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

RE: 2584809 - CHRISMILL HOMES - TODD RES.

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

Site Information:

Customer Info: Chrismill Homes Project Name: Todd Res. 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 47 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.

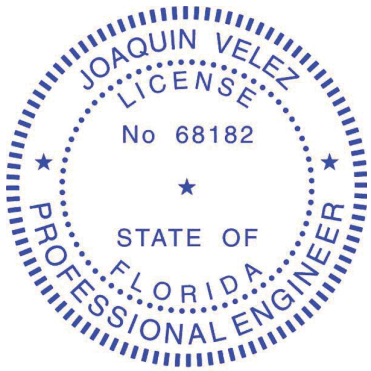
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T22973341	CJ01	2/25/21	15	T22973355	PB07	2/25/21
2	T22973342	CJ03	2/25/21	16	T22973356	T01G	2/25/21
3	T22973343	CJ05	2/25/21	17	T22973357	T02	2/25/21
4	T22973344	EJ01	2/25/21	18	T22973358	T02A	2/25/21
5	T22973345	EJ02	2/25/21	19	T22973359	T02G	2/25/21
6	T22973346	EJ03	2/25/21	20	T22973360	T03	2/25/21
7	T22973347	HJ09	2/25/21	21	T22973361	T04	2/25/21
8	T22973348	HJ10	2/25/21	22	T22973362	T05	2/25/21
9	T22973349	PB01	2/25/21	23	T22973363	T06	2/25/21
10	T22973350	PB02	2/25/21	24	T22973364	T07	2/25/21
11	T22973351	PB03	2/25/21	25	T22973365	T08	2/25/21
12	T22973352	PB04	2/25/21	26	T22973366	T09	2/25/21
13	T22973353	PB05	2/25/21	27	T22973367	T10	2/25/21
14	T22973354	PB06	2/25/21	28	T22973368	T11	2/25/21

This item has been electronically signed and sealed by Velez, Joaquin, PE using a Digital Signature.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

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: Velez, Joaquin
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.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

RE: 2584809 - CHRISMILL HOMES - TODD RES.

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

Site Information:

Customer Info: Chrismill Homes Project Name: Todd Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
29	T22973369	T12	2/25/21
30	T22973370	T13	2/25/21
31	T22973371	T14	2/25/21
32	T22973372	T15	2/25/21
33	T22973373	T16	2/25/21
34	T22973374	T17	2/25/21
35	T22973375	T18	2/25/21
36	T22973376	T19	2/25/21
37	T22973377	T20	2/25/21
38	T22973378	T21	2/25/21
39	T22973379	T22	2/25/21
40	T22973380	T23	2/25/21
41	T22973381	T24	2/25/21
42	T22973382	T24G	2/25/21
43	T22973383	T25	2/25/21
44	T22973384	T26G	2/25/21
45	T22973385	T27	2/25/21
46	T22973386	T27G	2/25/21
47	T22973387	T28	2/25/21

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	CJ01	Jack-Open	6	1	T22973341
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:03 2021 Page 1
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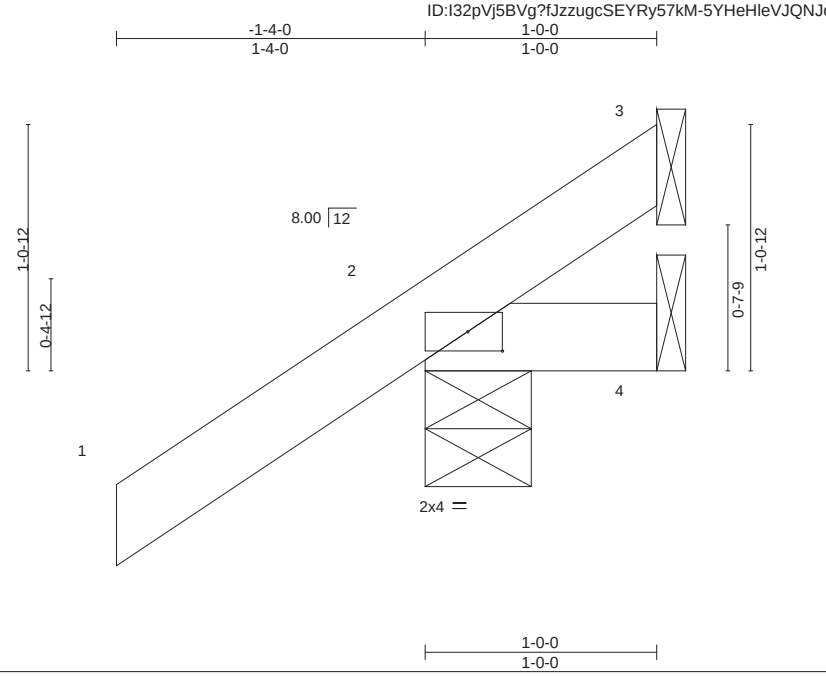

Plate Offsets (X,Y)-- [2:0-1-13,0-1-0]

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	0.10	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=47(LC 12)
Max Uplift 3=-3(LC 12), 2=-55(LC 12), 4=-13(LC 1)
Max Grav 3=6(LC 8), 2=157(LC 1), 4=17(LC 16)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

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Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	CJ03	Jack-Open	6	1	T22973342
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:04 2021 Page 1
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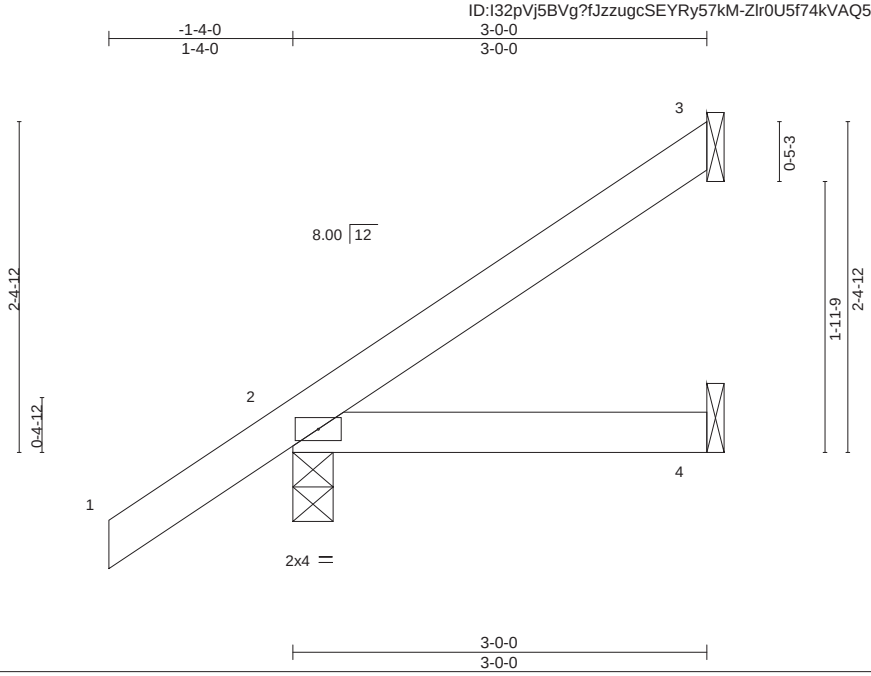

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP							Weight: 12 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=91(LC 12)
Max Uplift 3=-43(LC 12), 2=-41(LC 12)
Max Grav 3=66(LC 19), 2=197(LC 1), 4=51(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

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Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	CJ05	Jack-Open	5	1	T22973343
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:05 2021 Page 1
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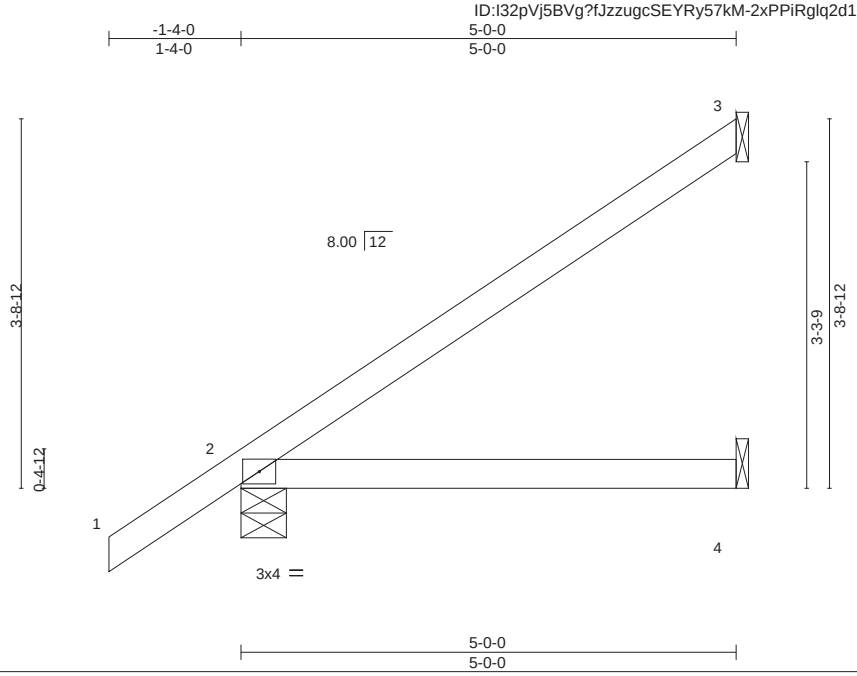

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 19 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=135(LC 12)
Max Uplift 3=-79(LC 12), 2=-41(LC 12), 4=-1(LC 12)
Max Grav 3=121(LC 19), 2=264(LC 1), 4=90(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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

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Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	EJ01	Jack-Partial	26	1	T22973344
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:05 2021 Page 1
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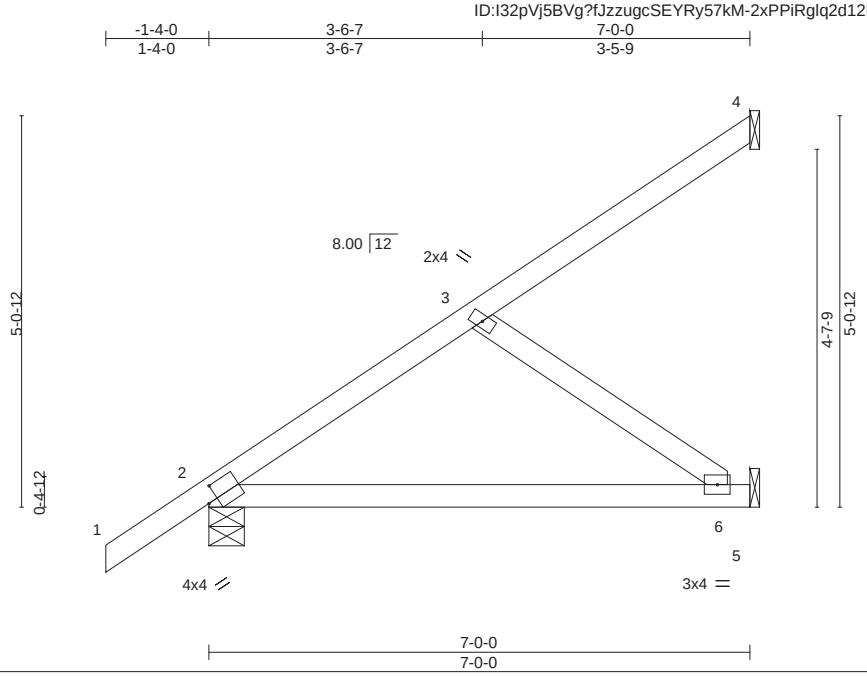

Plate Offsets (X,Y)-- [2:0-1-9,0-2-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.08	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.16	6-9	>527	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 31 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-5-8, 5=Mechanical
Max Horz 2=180(LC 12)
Max Uplift 4=-57(LC 12), 2=-44(LC 12), 5=-58(LC 12)
Max Grav 4=75(LC 19), 2=336(LC 1), 5=186(LC 19)

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.

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Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	EJ02	Jack-Open	2	1	T22973345
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:06 2021 Page 1
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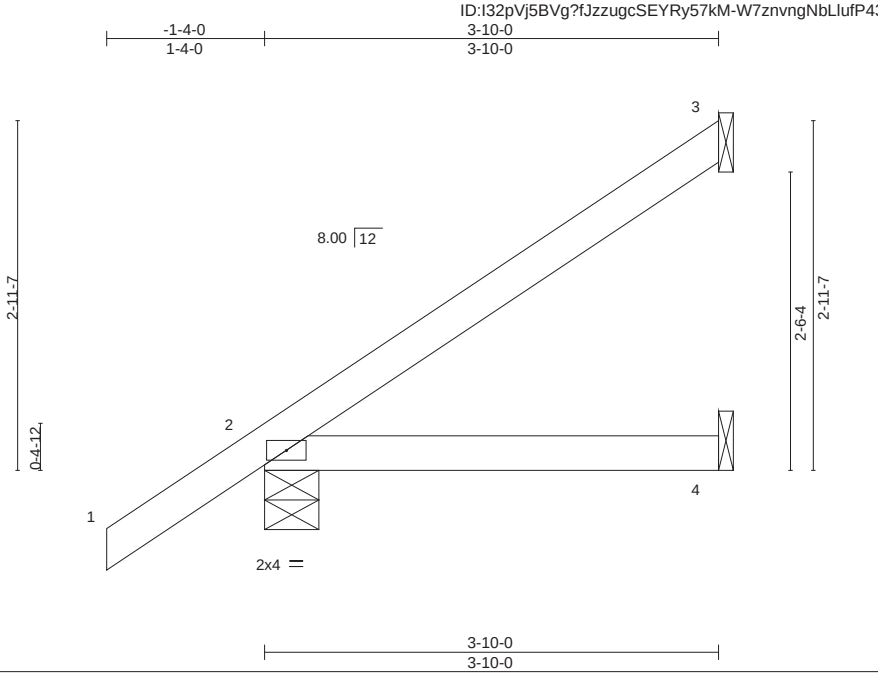

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.02	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 15 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=109(LC 12)
Max Uplift 3=-58(LC 12), 2=-40(LC 12)
Max Grav 3=89(LC 19), 2=224(LC 1), 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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

This item has been electronically signed and sealed by Velez, Joaquin, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	EJ03	Jack-Open Girder	1	1	T22973346
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:07 2021 Page 1
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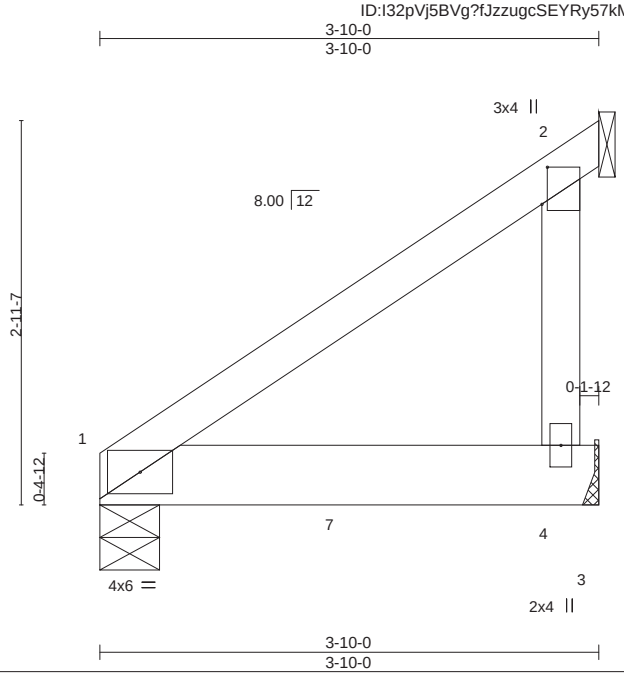

Plate Offsets (X,Y)-- [2:0-3-7,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.03	4-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.05	4-6	>883	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 19 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

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

REACTIONS. (size) 1=0-5-8, 4=Mechanical, 2=Mechanical
Max Horz 1=79(LC 8)
Max Uplift 1=-117(LC 8), 4=-128(LC 8), 2=-57(LC 8)
Max Grav 1=706(LC 2), 4=703(LC 2), 2=109(LC 29)

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 1=117, 4=128.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1275 lb down and 250 lb up at 1-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 1-3=-20
Concentrated Loads (lb)
Vert: 7=-1170(F)

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Date:

February 25,2021

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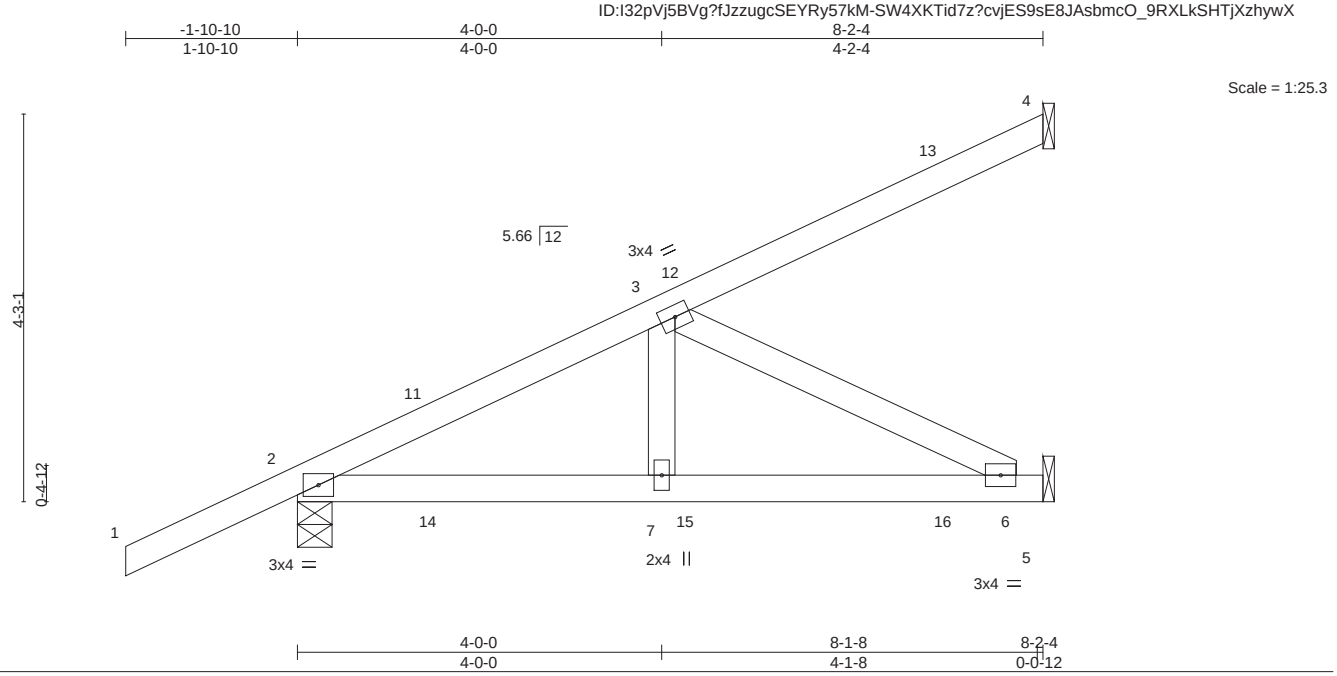
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	HJ09	Diagonal Hip Girder	1	1	T22973347
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:08 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-SW4XKTid7z?cvjES9sE8JAsbmcO_9RXLkSHTjXzhywX



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)	-0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.04	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.15	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 38 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=153(LC 8)
Max Uplift 4=-89(LC 8), 2=-142(LC 4), 5=-113(LC 5)
Max Grav 4=133(LC 1), 2=342(LC 19), 5=238(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-447/169
BOT CHORD 2-7=-212/345, 6-7=-212/345
WEBS 3-6=-387/237

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) 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 except (jt=lb) 2=142, 5=113.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 58 lb down and 57 lb up at 1-6-1, 58 lb down and 57 lb up at 1-6-1, 77 lb down and 46 lb up at 4-4-0, and 77 lb down and 46 lb up at 4-4-0, and 101 lb down and 89 lb up at 7-1-15 on top chord, and 37 lb down and 44 lb up at 1-6-1, 37 lb down and 44 lb up at 1-6-1, 47 lb down at 4-4-0, and 47 lb down at 4-4-0, and 67 lb down and 16 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 11=115(F=57, B=57) 13=-50(F) 15=-8(F=-4, B=-4) 16=-35(F)

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Date:

February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	HJ10	Diagonal Hip Girder	2	1	T22973348
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:09 2021 Page 1
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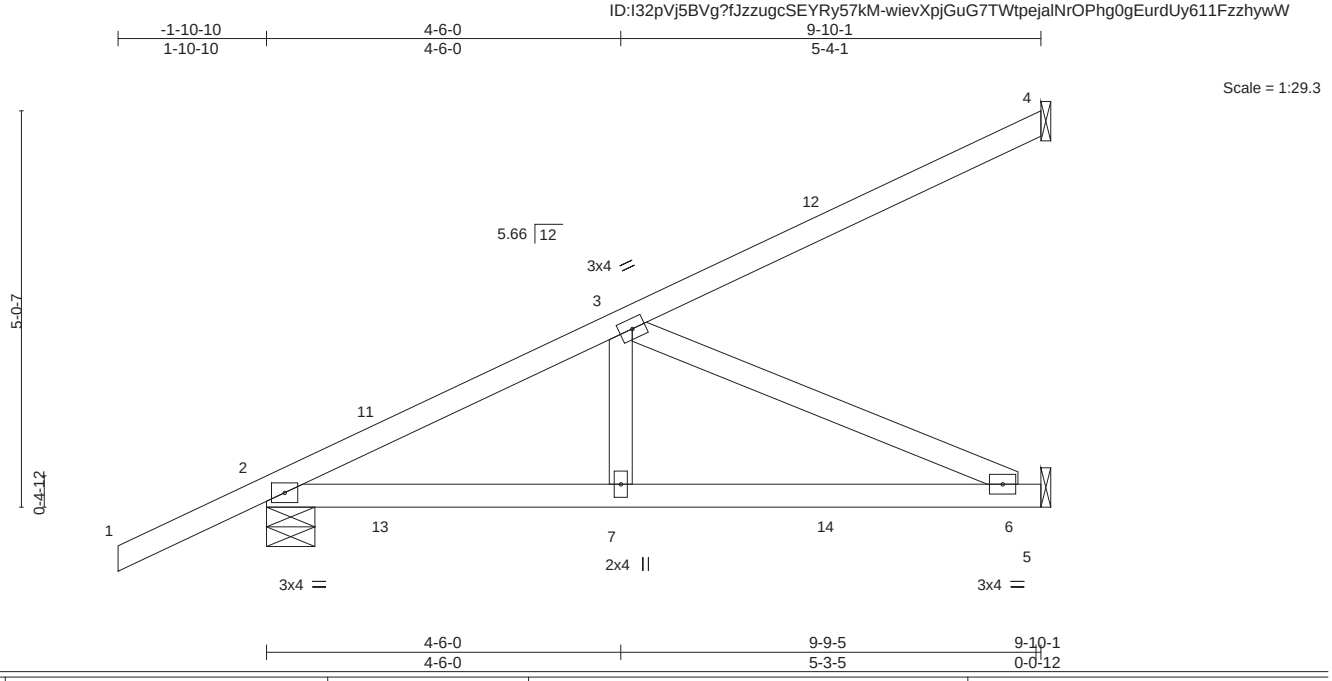

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.11	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 45 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-7-6, 5=Mechanical
Max Horz 2=179(LC 8)
Max Uplift 4=-104(LC 8), 2=-152(LC 8), 5=-108(LC 8)
Max Grav 4=152(LC 1), 2=417(LC 1), 5=297(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-670/191
BOT CHORD 2-7=-271/536, 6-7=-271/536
WEBS 3-7=0/287, 3-6=-586/296

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=104, 2=152, 5=108.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 58 lb down and 57 lb up at 1-6-1, 58 lb down and 57 lb up at 1-6-1, 77 lb down and 46 lb up at 4-4-0, 77 lb down and 46 lb up at 4-4-0, and 107 lb down and 90 lb up at 7-1-15, and 107 lb down and 90 lb up at 7-1-15 on top chord, and 15 lb down and 44 lb up at 1-6-1, 15 lb down and 44 lb up at 1-6-1, 25 lb down at 4-4-0, 25 lb down at 4-4-0, and 47 lb down and 16 lb up at 7-1-15, and 47 lb down and 16 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=-8(F=-4, B=-4) 11=115(F=57, B=57) 12=-75(F=-38, B=-38) 14=-62(F=-31, B=-31)

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	PB01	Piggyback	5	1	T22973349
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:10 2021 Page 1
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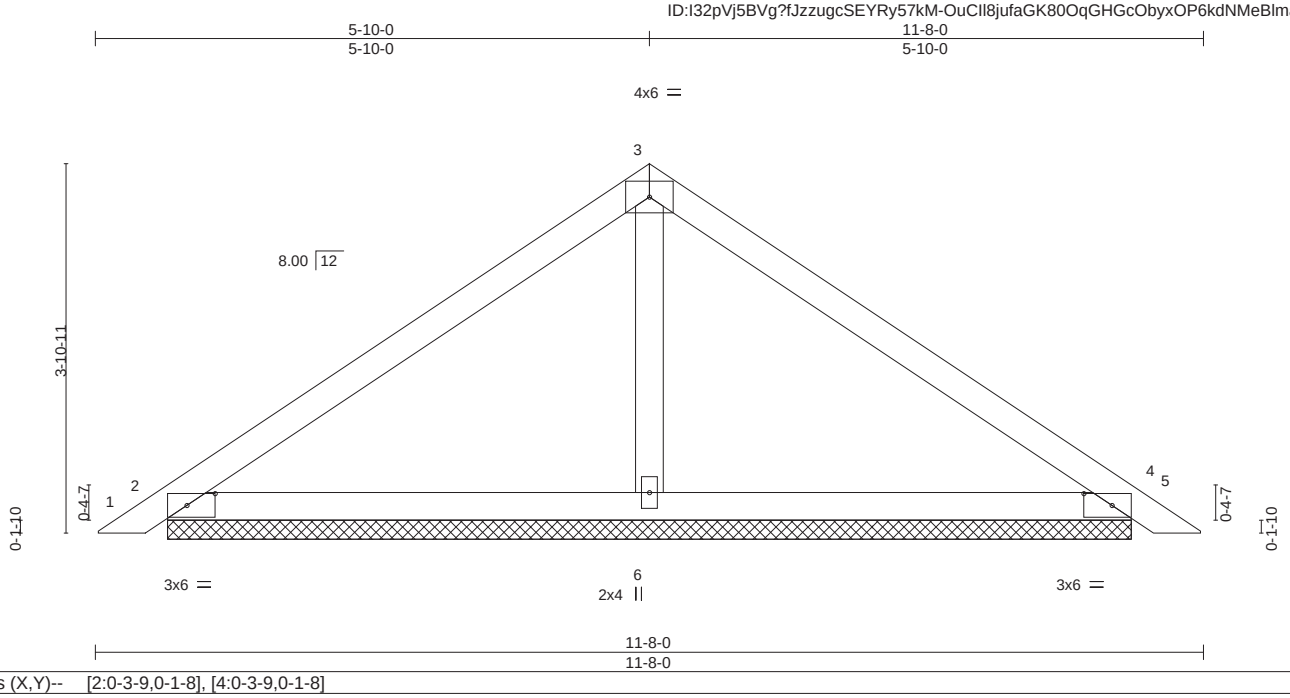

Plate Offsets (X,Y)-- [2:0-3-9,0-1-8], [4:0-3-9,0-1-8]

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	0.29	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	0.02	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 40 lb	FT = 20%

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

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

REACTIONS. (size) 2=10-1-12, 4=10-1-12, 6=10-1-12
Max Horz 2=79(LC 11)
Max Uplift 2=-56(LC 12), 4=-66(LC 13), 6=-48(LC 12)
Max Grav 2=210(LC 1), 4=210(LC 1), 6=382(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	PB02	GABLE	1	1	T22973350
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:10 2021 Page 1
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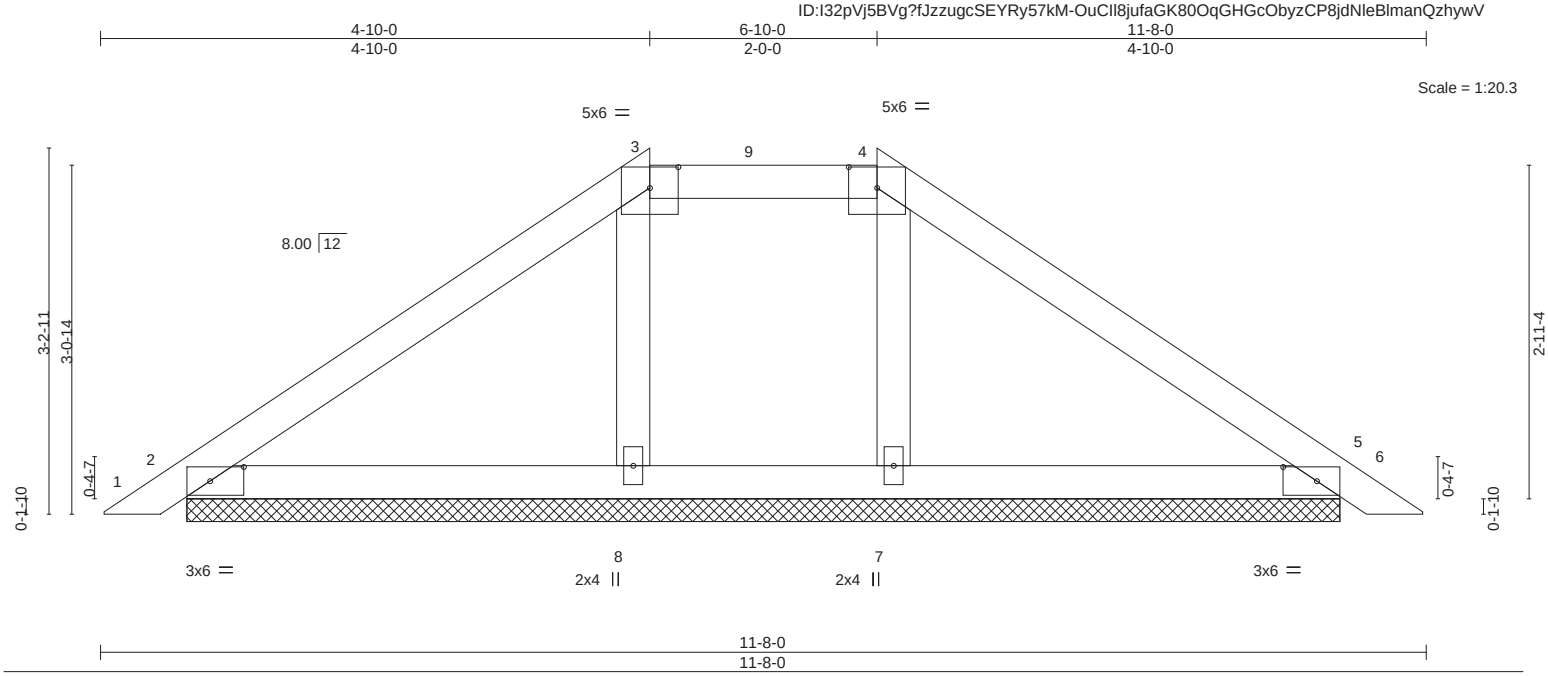

Plate Offsets (X,Y)-- [2:0-3-9,0-1-8], [3:0-3-0,0-2-3], [4:0-3-0,0-2-3], [5:0-3-9,0-1-8]

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	0.18	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	0.01	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 43 lb	FT = 20%

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

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

REACTIONS. All bearings 10-1-12.
(lb) - Max Horz 2=-64(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 5, 7, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 5 except 7=254(LC 24), 8=254(LC 23)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5, 7, 8.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	PB03	Piggyback	1	1	T22973351
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:11 2021 Page 1
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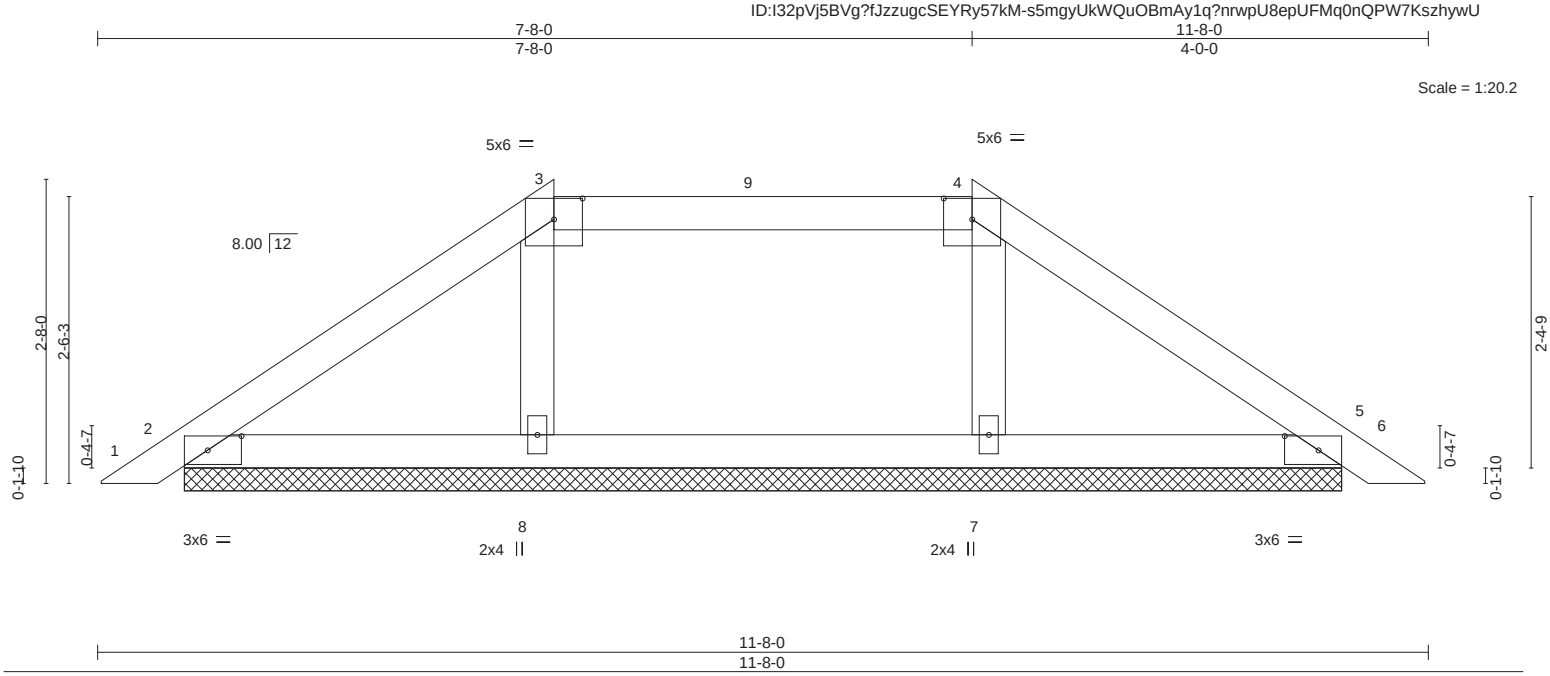

Plate Offsets (X,Y)-- [2:0-3-9,0-1-8], [3:0-3-0,0-2-3], [4:0-3-0,0-2-3], [5:0-3-9,0-1-8]

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	0.13	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 40 lb	FT = 20%

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

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

REACTIONS. All bearings 10-1-12.
(lb) - Max Horz 2=-52(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 5, 7, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 5 except 7=272(LC 24), 8=272(LC 23)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5, 7, 8.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	PB04	Piggyback	1	1	T22973352
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:12 2021 Page 1
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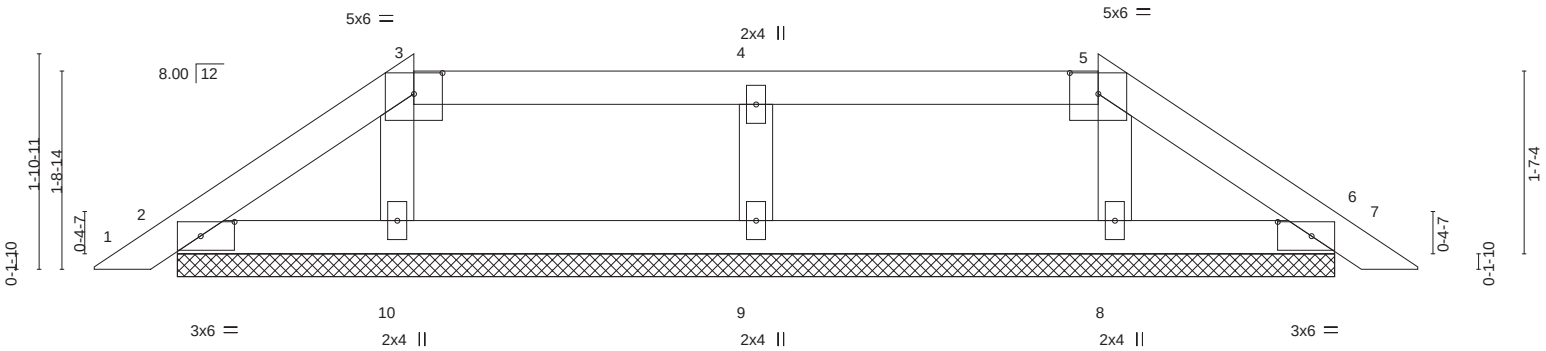

11-8-0
11-8-0

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

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	0.10	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 39 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.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 10-1-12.
(lb) - Max Horz 2=35(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 8, 10, 9
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 8, 10 except 9=254(LC 24)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 8, 10, 9.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

February 25,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	PB05	GABLE	1	1	T22973353
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:13 2021 Page 1
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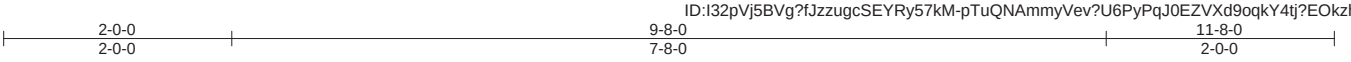

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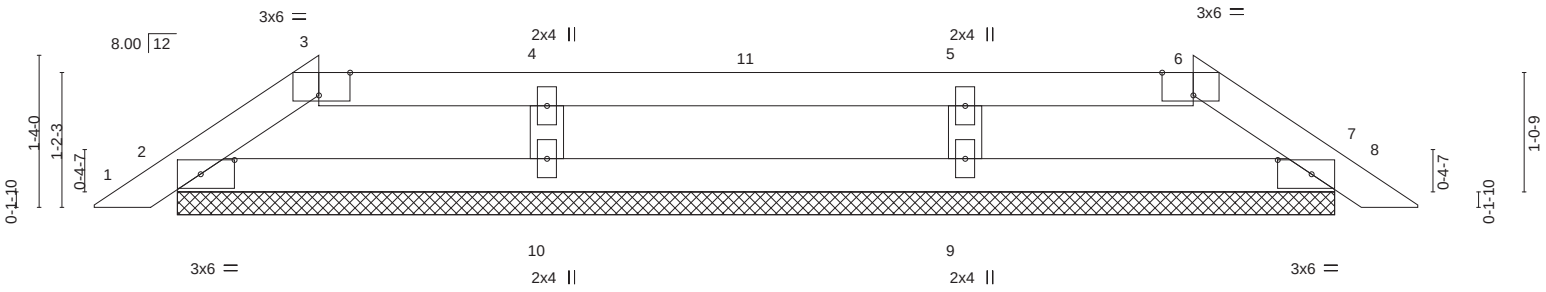

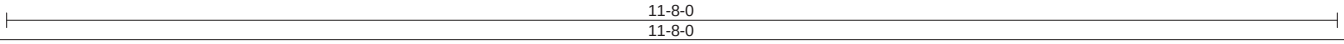

Plate Offsets (X,Y)-- [2:0-3-9,0-1-8], [3:0-3-5,Edge], [6:0-3-5,Edge], [7:0-3-9,0-1-8]

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	0.11	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.00	8	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 35 lb	FT = 20%

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

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

REACTIONS. All bearings 10-1-12.
(lb) - Max Horz 2=-23(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 7, 9, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 7 except 9=266(LC 24), 10=266(LC 23)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7, 9, 10.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

February 25,2021

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6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	PB06	Piggyback	5	1	T22973354
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:14 2021 Page 1
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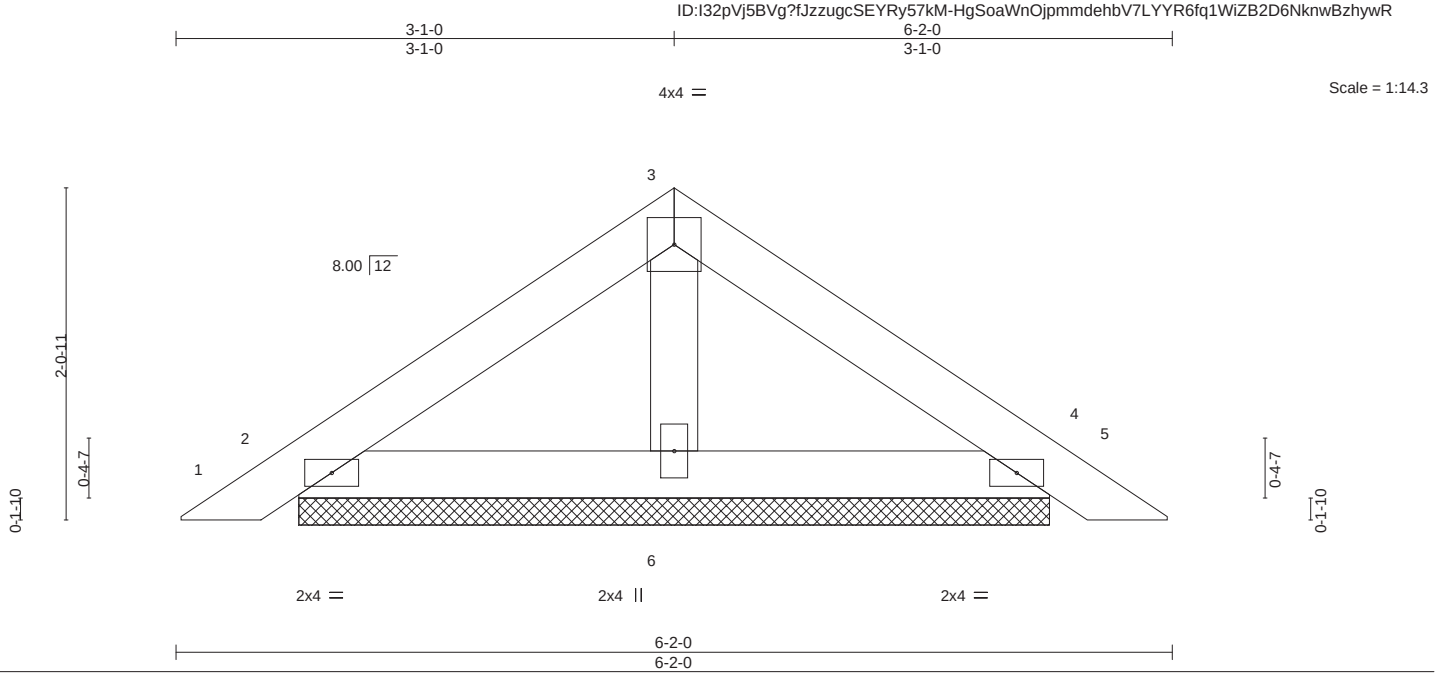

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-P							Weight: 20 lb	FT = 20%

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

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

REACTIONS. (size) 2=4-7-12, 4=4-7-12, 6=4-7-12
Max Horz 2=-40(LC 10)
Max Uplift 2=-37(LC 12), 4=-43(LC 13), 6=-9(LC 12)
Max Grav 2=120(LC 1), 4=120(LC 1), 6=155(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	PB07	Piggyback	1	1	T22973355
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:15 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-ls?Bosn1U6ucFoGo3qsn5ffqhQsFIeLNL1ULTdzhywQ

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6-2-0

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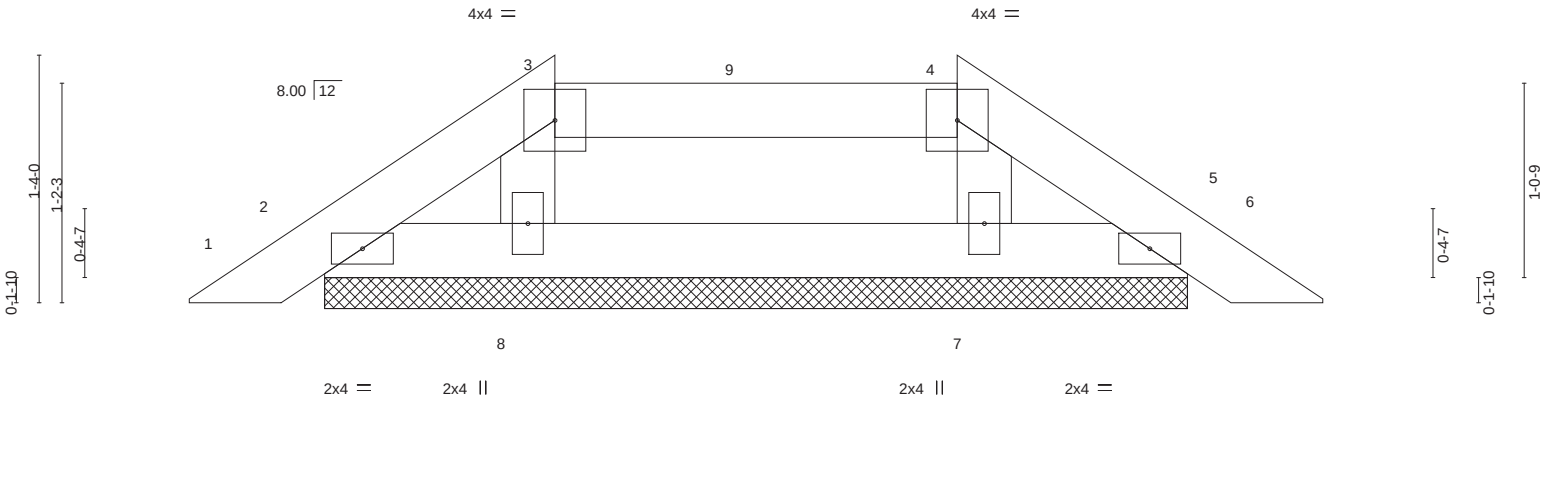

6-2-0
6-2-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-P							Weight: 19 lb	FT = 20%

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

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

REACTIONS. All bearings 4-7-12.
(lb) - Max Horz 2=-23(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 5, 8, 7
Max Grav All reactions 250 lb or less at joint(s) 2, 5, 8, 7

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5, 8, 7.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T01G	Common Supported Gable	1	1	T22973356
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:16 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-D2ZZ?CofFQ0Tsxr_dYN0dsB?tqCY15QWZhDu?3zhywP

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1-4-0 | 6-0-0 | 6-0-0 | 1-4-0

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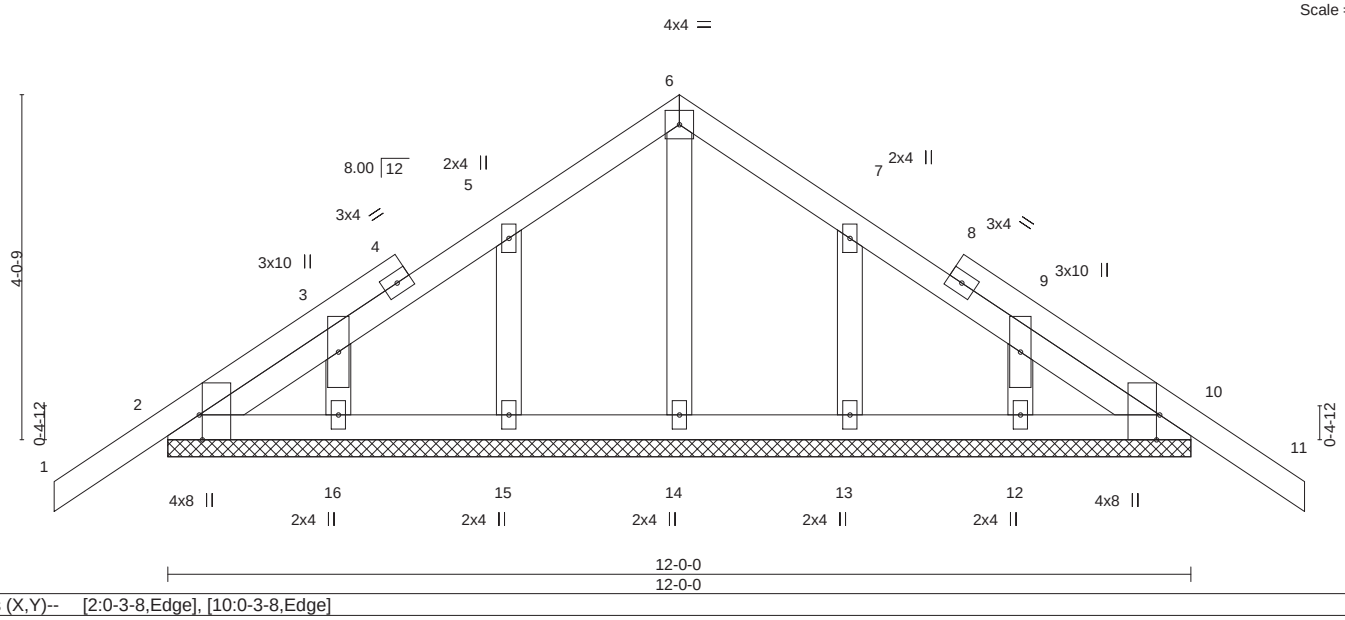

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [10:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 67 lb	FT = 20%

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

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

REACTIONS. All bearings 12-0-0.
(lb) - Max Horz 2=97(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 16, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 15, 16, 13, 12.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 10.

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Date:

February 25,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T02	COMMON	8	1	T22973357
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:17 2021 Page 1
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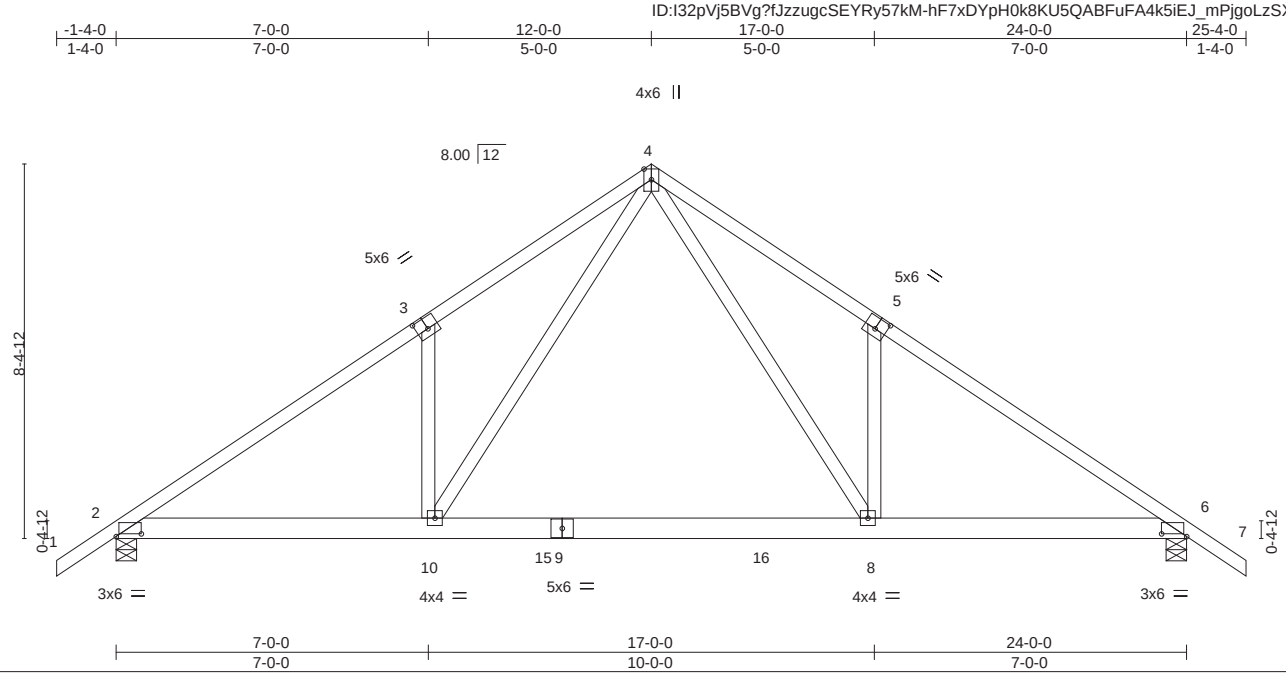

Plate Offsets (X,Y)-- [2:0-6-12,0-0-11], [3:0-3-0,0-3-0], [5:0-3-0,0-3-0], [6:0-6-12,0-0-11]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.23	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.43	8-10	>675	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 144 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 3-9-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-5-8, 6=0-5-8
Max Horz 2=-190(LC 10)
Max Uplift 2=-270(LC 12), 6=-270(LC 13)
Max Grav 2=1386(LC 19), 6=1386(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2110/383, 3-4=-2138/538, 4-5=-2138/538, 5-6=-2110/383
BOT CHORD 2-10=-327/1806, 8-10=-131/1111, 6-8=-230/1699
WEBS 4-8=-359/1298, 5-8=-338/244, 4-10=-359/1298, 3-10=-338/244

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=270, 6=270.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-20, 8-10=-80(F=-60), 6-8=-20

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Date:

February 25,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T02A	COMMON	2	1	T22973358
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:18 2021 Page 1
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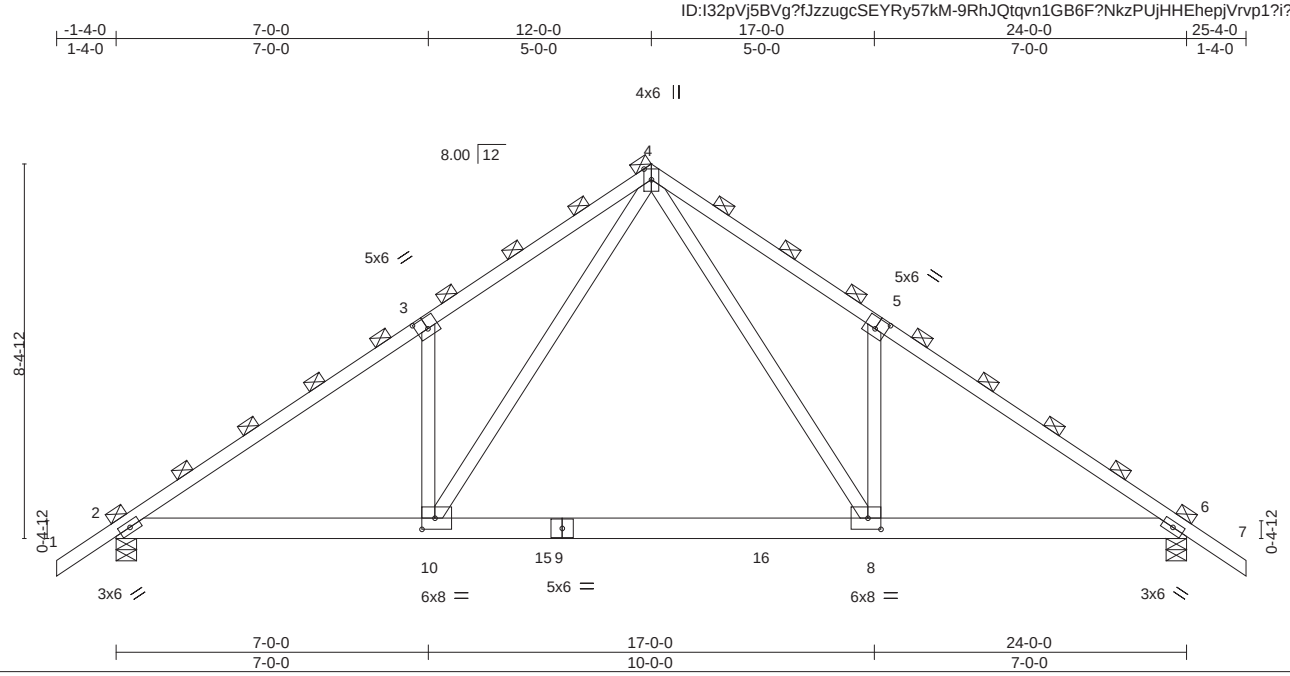

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [5:0-3-0,0-3-0], [8:0-3-8,0-3-0], [10:0-3-8,0-3-0]

LOADING (psf)		SPACING- 2-4-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.20	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.36	8-10	>789	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 144 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (3-5-10 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-5-8, 6=0-5-8
Max Horz 2=222(LC 11)
Max Uplift 2=-302(LC 12), 6=-302(LC 13)
Max Grav 2=1568(LC 19), 6=1568(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2355/419, 3-4=-2388/599, 4-5=-2388/599, 5-6=-2354/419
BOT CHORD 2-10=-358/2018, 8-10=-140/1244, 6-8=-246/1894
WEBS 4-8=-400/1444, 5-8=-395/284, 4-10=-400/1444, 3-10=-395/284

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=302, 6=302.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-63, 4-7=-63, 2-10=-23, 8-10=-83(F=-60), 6-8=-23

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Date:

February 25,2021

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6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T02G	GABLE	1	1	T22973359
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:19 2021 Page 1
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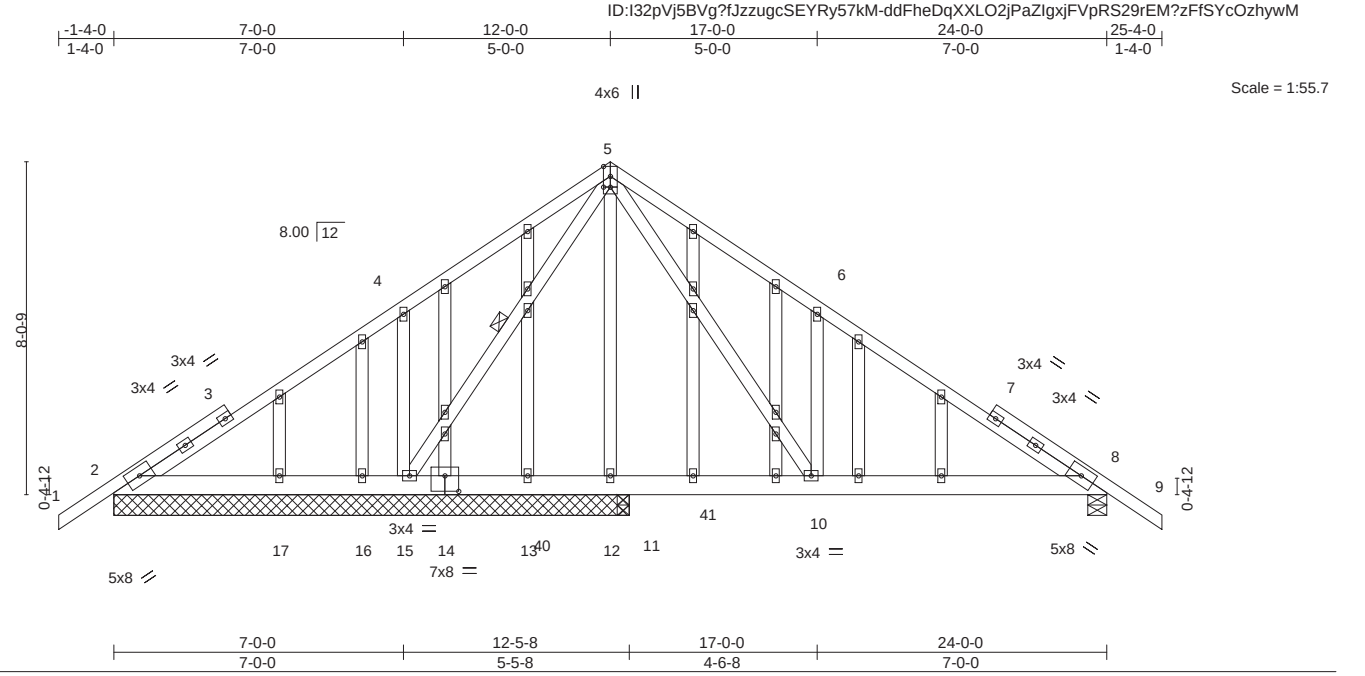

Plate Offsets (X,Y)-- [5:0-2-0,0-0-0], [14:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	-0.04	10-39	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.08	10-39	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 207 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 8-10.
WEBS	1 Row at midpt 5-15

REACTIONS. All bearings 12-5-8 except (jt=length) 8=0-5-8, 11=0-3-8.
(lb) - Max Horz 2=-183(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 17, 11 except 8=-155(LC 13), 15=-277(LC 12), 12=-435(LC 20), 16=-150(LC 23)
Max Grav All reactions 250 lb or less at joint(s) 12, 13, 16 except 8=634(LC 20), 15=1101(LC 1), 17=315(LC 19), 11=601(LC 20)

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

TOP CHORD	2-4=-127/531, 4-5=0/499, 5-6=-674/308, 6-8=-614/151
BOT CHORD	2-17=-410/198, 16-17=-410/198, 15-16=-410/198, 8-10=-14/465
WEBS	5-10=-269/733, 6-10=-370/241, 5-15=-817/118, 4-15=-331/233

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 11 except (jt=lb) 8=155, 15=277, 12=435, 16=150.

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T03	Monopitch	4	1	T22973360
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:20 2021 Page 1
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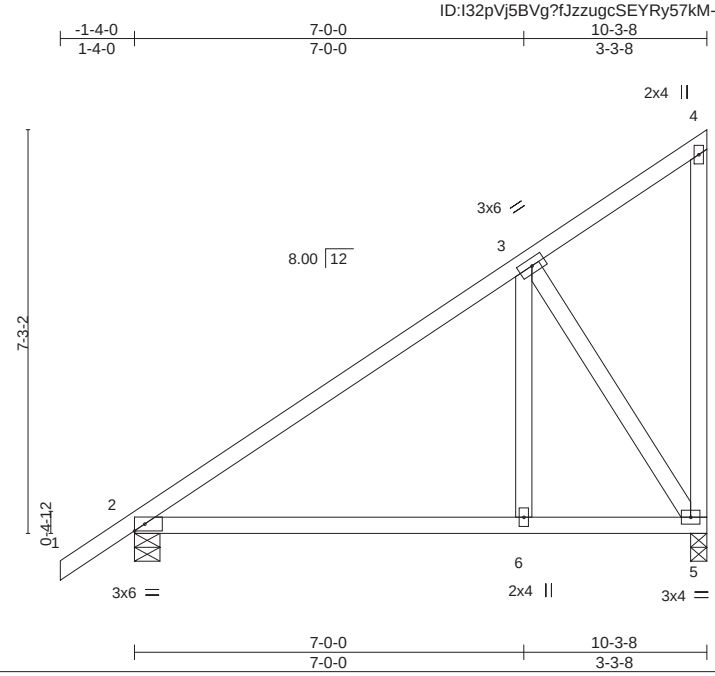

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.06	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.13	6-9	>935	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 61 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-5-8, 5=0-3-8
Max Horz 2=251(LC 12)
Max Uplift 2=-49(LC 12), 5=-171(LC 12)
Max Grav 2=452(LC 1), 5=387(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-371/0
WEBS 3-6=0/267, 3-5=-448/200

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 5=171.

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T04	Flat Girder	1	1	T22973361
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:22 2021 Page 1
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5-4-13	10-7-15	15-11-0	21-2-1	26-5-3	31-10-0
5-4-13	5-3-1	5-3-1	5-3-1	5-3-1	5-4-13

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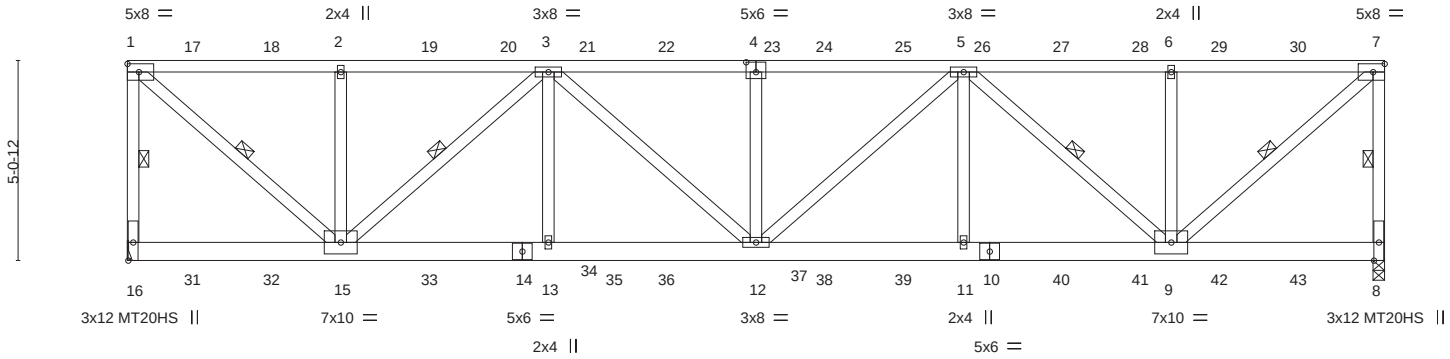

5-4-13	10-7-15	15-11-0	21-2-1	26-5-3	31-10-0
5-4-13	5-3-1	5-3-1	5-3-1	5-3-1	5-4-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	0.24	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.39	12-13	>968	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 225 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
1-15,3-15,3-12,5-12,5-9,7-9: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-9-14 oc bracing.
WEBS 1 Row at midpt 1-16, 7-8, 1-15, 3-15, 5-9, 7-9

REACTIONS. (size) 16=Mechanical, 8=0-3-8
Max Uplift 16=-1035(LC 4), 8=-1050(LC 4)
Max Grav 16=2511(LC 1), 8=2502(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-2313/984, 1-2=-2458/1017, 2-3=-2458/1017, 3-4=-4343/1798, 4-5=-4343/1798, 5-6=-2454/1015, 6-7=-2454/1015, 7-8=-2348/1017
BOT CHORD 13-15=-1604/3872, 12-13=-1604/3872, 11-12=-1605/3873, 9-11=-1605/3873
WEBS 1-15=-1347/3260, 2-15=-352/233, 3-15=-1896/786, 3-13=-138/553, 3-12=-260/631, 4-12=-327/216, 5-12=-259/630, 5-11=-140/556, 5-9=-1902/790, 6-9=-351/231, 7-9=-1345/3257

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=1035, 8=1050.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 64 lb down and 44 lb up at 1-7-4, 64 lb down and 44 lb up at 3-7-4, 64 lb down and 44 lb up at 5-7-4, 64 lb down and 44 lb up at 7-7-4, 64 lb down and 44 lb up at 9-7-4, 64 lb down and 44 lb up at 11-7-4, 64 lb down and 44 lb up at 13-7-4, 64 lb down and 44 lb up at 15-7-4, 64 lb down and 44 lb up at 17-7-4, 64 lb down and 44 lb up at 19-7-4, 64 lb down and 44 lb up at 21-7-4, 64 lb down and 44 lb up at 23-7-4, 64 lb down and 44 lb up at 25-7-4, 64 lb down and 44 lb up at 27-7-4, and 64 lb down and 44 lb up at 29-7-4, and 52 lb down and 52 lb up at 31-8-4 on top chord, and 158 lb down and 78 lb up at 1-7-4, 158 lb down and 78 lb up at 3-7-4, 158 lb down and 78 lb up at 5-7-4, 158 lb down and 78 lb up at 7-7-4, 158 lb down and 78 lb up at 9-7-4, 158 lb down and 78 lb up at 11-7-4, 158 lb down and 78 lb up at 13-7-4, 158 lb down and 78 lb up at 15-7-4, 158 lb down and 78 lb up at 17-7-4, 158 lb down and 78 lb up at 19-7-4, 158 lb down and 78 lb up at 21-7-4, 158 lb down and 78 lb up at 23-7-4, 158 lb down and 78 lb up at 25-7-4, and 158 lb down and 78 lb up at 27-7-4, and 158 lb down and 78 lb up at 29-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

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Date:
February 25,2021

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6904 Parke East Blvd.
Tampa, FL 36610

NOTES-

10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

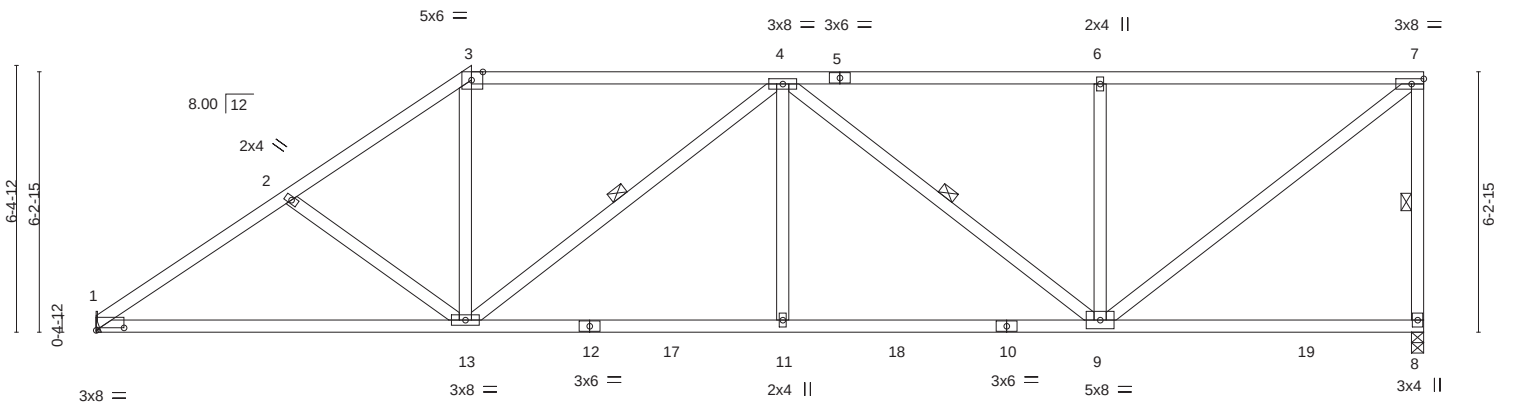
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-7=-54, 8-16=-20
   Concentrated Loads (lb)
   Vert: 7=-42(F) 15=-158(F) 2=-18(F) 10=-158(F) 17=-18(F) 18=-18(F) 19=-18(F) 20=-18(F) 21=-18(F) 22=-18(F) 23=-18(F) 24=-18(F) 25=-18(F) 26=-18(F) 27=-18(F) 28=-18(F) 29=-18(F) 30=-18(F) 31=-158(F) 32=-158(F) 33=-158(F) 34=-158(F) 35=-158(F) 36=-158(F) 37=-158(F) 38=-158(F) 39=-158(F) 40=-158(F) 41=-158(F) 42=-158(F) 43=-158(F)

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T05	Half Hip	1	1	T22973362
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:25 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-SncyuHvI7B8CRK1jfx27Vm3QiS4Se?qrebvtp2zhywG

4-8-3	9-0-0	16-5-9	24-0-15	31-10-0
4-8-3	4-3-13	7-5-9	7-7-5	7-9-1

Scale = 1:55.2



9-0-0	16-5-9	24-0-15	31-10-0
9-0-0	7-5-9	7-7-5	7-9-1

Plate Offsets (X,Y)-- [1:0-8-0,0-0-12], [3:0-3-4,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	0.61	Vert(LL)	-0.14	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.28	13-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 180 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-4-1 oc bracing.
WEBS 1 Row at midpt 7-8, 4-13, 4-9

REACTIONS. (size) 1=Mechanical, 8=0-3-8
Max Horz 1=197(LC 12)
Max Uplift 1=-179(LC 9), 8=-293(LC 9)
Max Grav 1=1292(LC 2), 8=1333(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1953/328, 2-3=-1797/328, 3-4=-1445/294, 4-6=-1351/299, 6-7=-1351/299, 7-8=-1184/311
BOT CHORD 1-13=-353/1609, 11-13=-397/1833, 9-11=-397/1833
WEBS 2-13=-257/165, 3-13=-65/717, 4-13=-558/198, 4-11=0/382, 4-9=-611/124, 6-9=-440/205, 7-9=-372/1684

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=179, 8=293.

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T06	Half Hip	1	1	T22973363
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:26 2021 Page 1
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5-6-0	11-0-0	18-0-5	25-6-4	33-0-3	40-4-0
5-6-0	5-6-0	7-0-5	7-5-15	7-5-15	7-3-13

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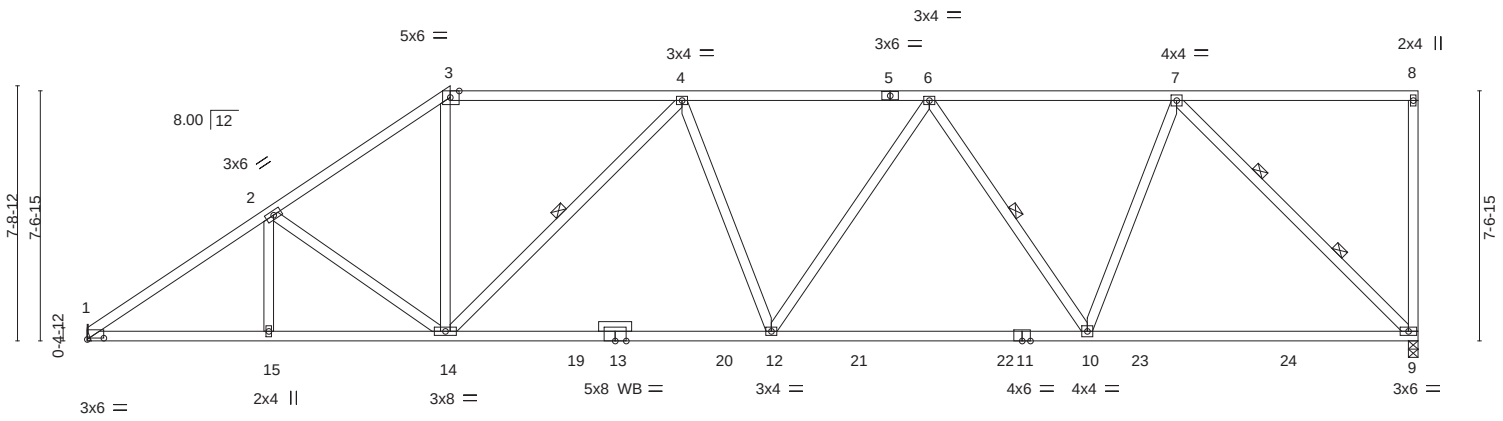

5-6-0	11-0-0	20-8-13	30-3-11	40-4-0
5-6-0	5-6-0	9-8-13	9-6-15	10-0-5

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.33	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.55	9-10	>876	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 237 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-13 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-14, 6-10 2 Rows at 1/3 pts 7-9

REACTIONS. (size) 1=Mechanical, 9=0-3-8
Max Horz 1=241(LC 12)
Max Uplift 1=-232(LC 9), 9=-372(LC 9)
Max Grav 1=1661(LC 2), 9=1715(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2645/414, 2-3=-2329/427, 3-4=-1874/378, 4-6=-2398/488, 6-7=-1807/364
BOT CHORD 1-15=-439/2154, 14-15=-439/2154, 12-14=-511/2349, 10-12=-486/2209, 9-10=-320/1413
WEBS 2-14=-409/199, 3-14=-125/996, 4-14=-745/260, 6-12=-36/362, 6-10=-731/222, 7-10=-129/1133, 7-9=-1981/452

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=232, 9=372.

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6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

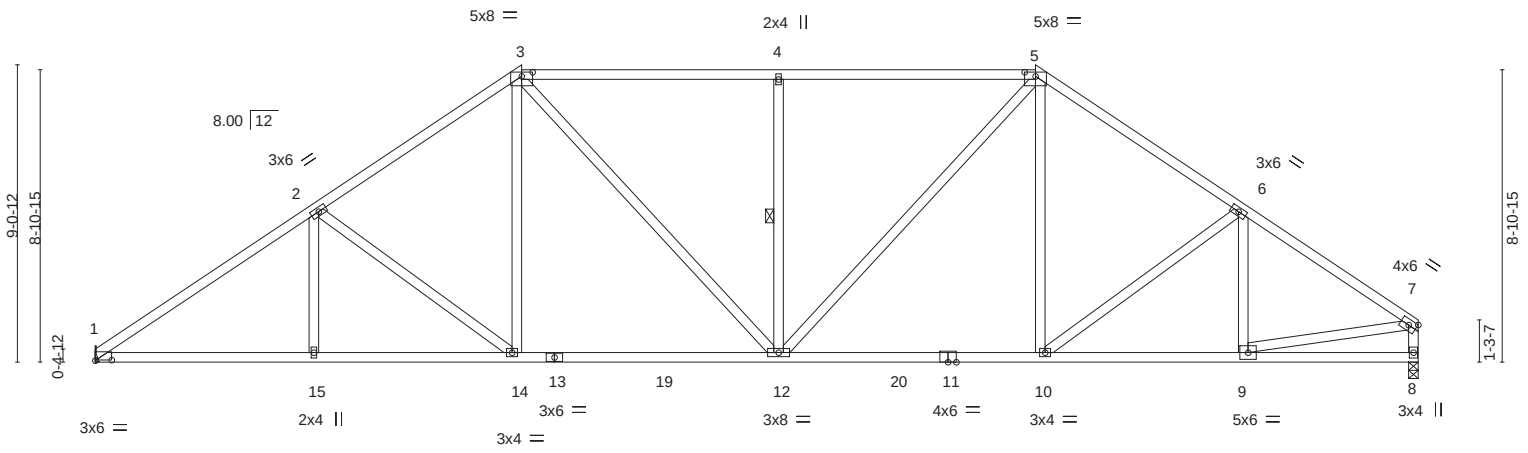
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T07	Hip	1	1	T22973364
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:27 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-OAkjJyxYfoPwheB5mM4baB9kYGlH6wp85vOzuwzhywE

6-8-0	13-0-0	20-10-0	28-8-0	35-0-0	40-4-0
6-8-0	6-4-0	7-10-0	7-10-0	6-4-0	5-4-0

Scale = 1:70.2



6-8-0	13-0-0	20-10-0	28-8-0	35-0-0	40-4-0
6-8-0	6-4-0	7-10-0	7-10-0	6-4-0	5-4-0

Plate Offsets (X,Y)-- [1:0-6-0,0-0-4], [3:0-4-0,0-1-9], [5:0-4-0,0-1-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.22	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.38	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 242 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-11 oc bracing.
WEBS 1 Row at midpt 4-12

REACTIONS. (size) 1=Mechanical, 8=0-3-8
Max Horz 1=181(LC 9)
Max Uplift 1=-301(LC 12), 8=-291(LC 13)
Max Grav 1=1651(LC 2), 8=1656(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2598/475, 2-3=-2167/438, 3-4=-2019/403, 4-5=-2019/402, 5-6=-2030/404, 6-7=-2109/382, 7-8=-1566/303
BOT CHORD 1-15=-454/2106, 14-15=-454/2106, 12-14=-277/1735, 10-12=-161/1626, 9-10=-259/1709
WEBS 2-15=0/252, 2-14=-549/224, 3-14=-86/621, 3-12=-202/510, 4-12=-507/234, 5-12=-211/655, 5-10=-47/429, 7-9=-233/1636

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=301, 8=291.

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Date:

February 25,2021

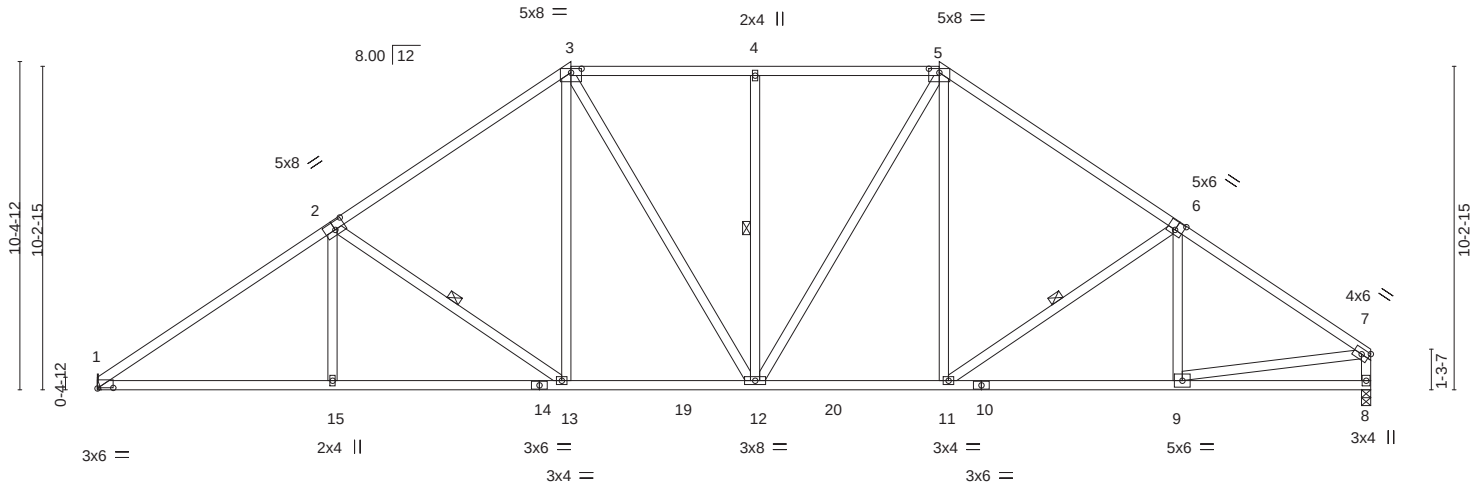
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T08	Hip	1	1	T22973365
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:28 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-tMI5WIxAQ6XmInmIK3bq7OhtPg6MrN1HKZ7XQNzhywD

7-5-6	15-0-0	20-10-0	26-8-0	34-2-10	40-4-0
7-5-6	7-6-10	5-10-0	5-10-0	7-6-10	6-1-6

Scale = 1:73.0



7-5-6	15-0-0	20-10-0	26-8-0	34-2-10	40-4-0
7-5-6	7-6-10	5-10-0	5-10-0	7-6-10	6-1-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.83	Vert(LL)	-0.15	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.26	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.10	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 255 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-5-13 oc bracing.
WEBS 1 Row at midpt 2-13, 4-12, 6-11

REACTIONS. (size) 1=Mechanical, 8=0-3-8
Max Horz 1=210(LC 9)
Max Uplift 1=-296(LC 12), 8=-287(LC 13)
Max Grav 1=1639(LC 2), 8=1643(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2560/463, 2-3=-2017/413, 3-4=-1712/377, 4-5=-1712/376, 5-6=-1929/389, 6-7=-2143/383, 7-8=-1550/300
BOT CHORD 1-15=-455/2131, 13-15=-455/2130, 12-13=-233/1592, 11-12=-138/1523, 9-11=-253/1734
WEBS 2-15=0/314, 2-13=-679/267, 3-13=-105/652, 3-12=-177/348, 4-12=-368/175, 5-12=-181/462, 5-11=-73/484, 6-11=-359/201, 7-9=-221/1643

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=296, 8=287.

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6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

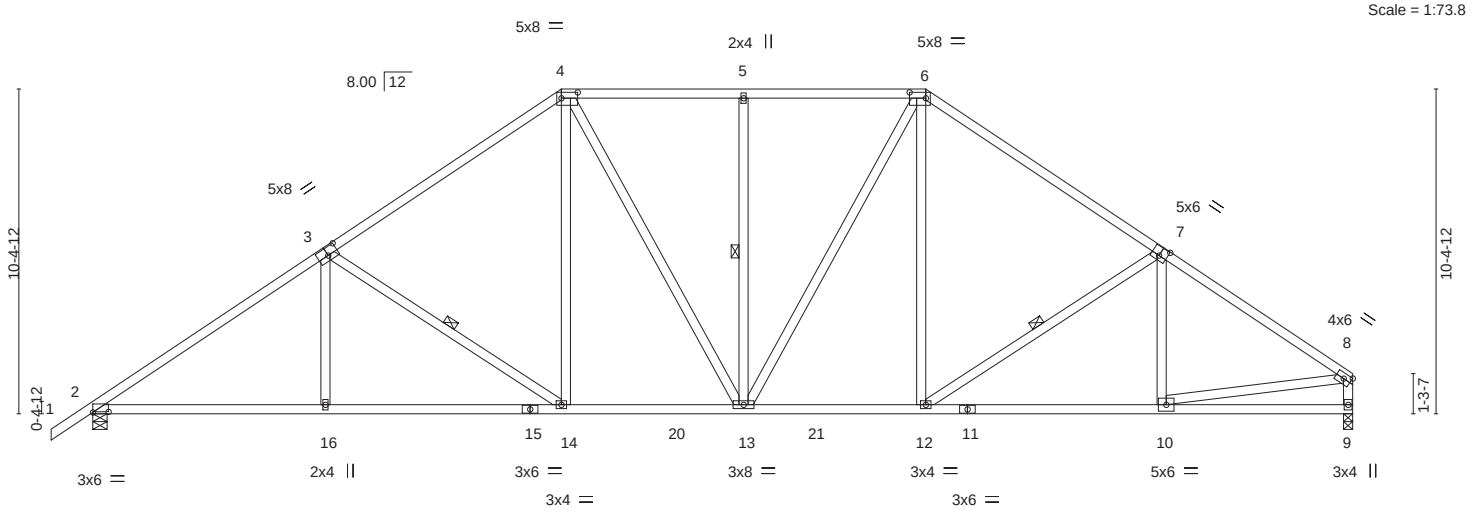
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T09	Piggyback Base	4	1	T22973366
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:29 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-LYsTkeypBQfdwxKUun63fcE294SlaqFRZDt4ypzhywC

1-4-0	7-5-6	15-0-0	20-10-0	26-8-0	34-2-10	40-4-0
1-4-0	7-5-6	7-6-10	5-10-0	5-10-0	7-6-10	6-1-6

Scale = 1:73.8



7-5-6	15-0-0	20-10-0	26-8-0	34-2-10	40-4-0
7-5-6	7-6-10	5-10-0	5-10-0	7-6-10	6-1-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.83	Vert(LL)	-0.15	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.29	14-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 259 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, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 8-7-1 oc bracing.
WEBS	1 Row at midpt 3-14, 5-13, 7-12

REACTIONS. (size) 2=0-5-8, 9=0-3-8
Max Horz 2=225(LC 9)
Max Uplift 2=-323(LC 12), 9=-286(LC 13)
Max Grav 2=1697(LC 2), 9=1640(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2550/456, 3-4=-1989/406, 4-5=-1679/373, 5-6=-1679/373, 6-7=-1908/384, 7-8=-2140/382, 8-9=-1549/298
BOT CHORD 2-16=-451/2120, 14-16=-451/2120, 13-14=-228/1575, 12-13=-134/1508, 10-12=-253/1732
WEBS 3-16=0/320, 3-14=-700/268, 4-14=-102/658, 4-13=-177/329, 5-13=-347/172, 6-13=-181/434, 6-12=-72/496, 7-12=-387/207, 8-10=-220/1644

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=323, 9=286.

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6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

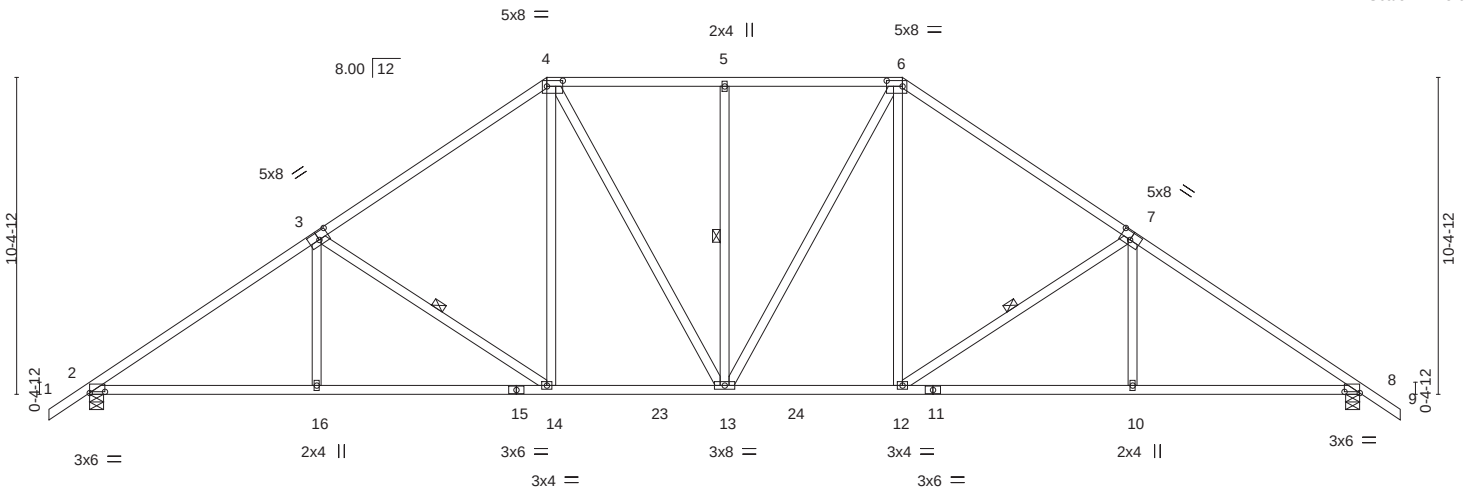
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T10	Piggyback Base	2	1	T22973367
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:30 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-plPrx_zRyjnUY5vgRUdICpnCkTolJJ1antceVFzhywB

1-4-0	7-5-6	15-0-0	20-10-0	26-8-0	34-2-10	41-8-0	43-0-0
1-4-0	7-5-6	7-6-10	5-10-0	5-10-0	7-6-10	7-5-6	1-4-0

Scale = 1:75.6



7-5-6	15-0-0	20-10-0	26-8-0	34-2-10	41-8-0
7-5-6	7-6-10	5-10-0	5-10-0	7-6-10	7-5-6

Plate Offsets (X,Y)-- [2:0-6-0,0-0-8], [3:0-4-0,0-3-0], [4:0-6-4,0-2-4], [6:0-6-4,0-2-4], [7:0-4-0,0-3-0], [8:0-6-0,0-0-7]

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	0.84	Vert(LL)	-0.17	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.32	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.13	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 256 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.
BOT CHORD	Rigid ceiling directly applied or 8-9-10 oc bracing.
WEBS	1 Row at midpt 3-14, 5-13, 7-12

REACTIONS. (size) 2=0-5-8, 8=0-5-8
Max Horz 2=-233(LC 10)
Max Uplift 2=-330(LC 12), 8=-330(LC 13)
Max Grav 2=1756(LC 2), 8=1756(LC 2)

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

TOP CHORD	2-3=-2654/468, 3-4=-2095/418, 4-5=-1802/387, 5-6=-1802/387, 6-7=-2095/418, 7-8=-2654/469
BOT CHORD	2-16=-429/2216, 14-16=-429/2216, 13-14=-207/1663, 12-13=-120/1663, 10-12=-272/2147, 8-10=-272/2148
WEBS	3-16=0/320, 3-14=-699/268, 4-14=-102/657, 4-13=-181/387, 5-13=-347/171, 6-13=-181/387, 6-12=-102/657, 7-12=-699/269, 7-10=0/320

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=330, 8=330.

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Date:

February 25,2021

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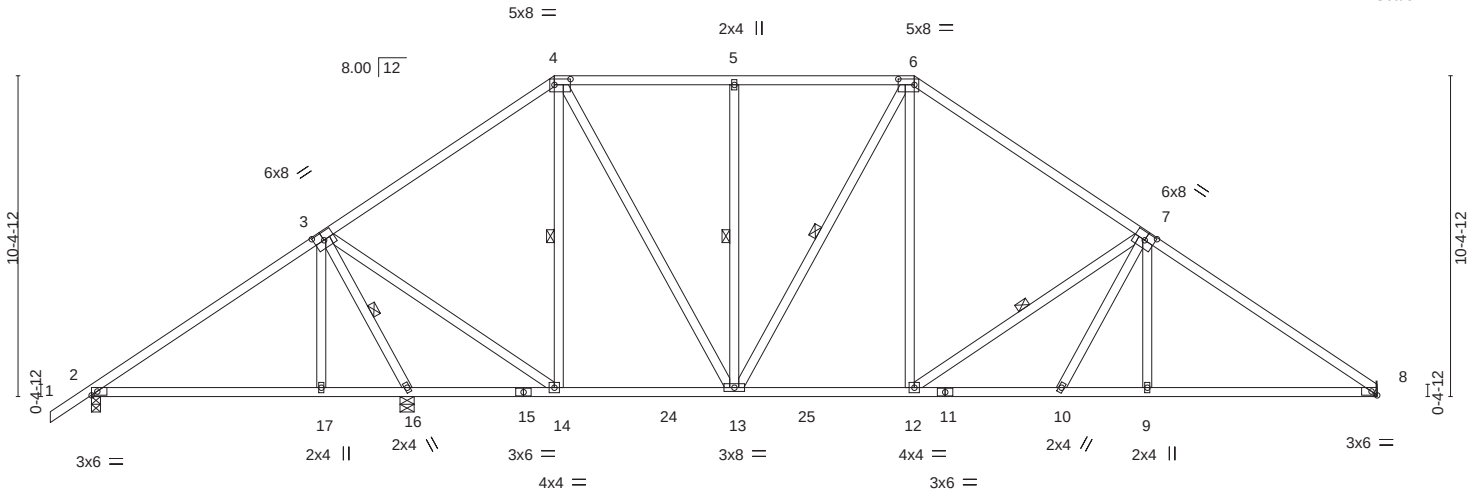
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T11	Piggyback Base	3	1	T22973368
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:32 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-I7XcMg_hUL1CnP33ZvgmHEsbKHUjnDutFB5kZ8zhyw9

1-4-0	7-5-6	15-0-0	20-10-0	26-8-0	34-2-10	41-8-0
1-4-0	7-5-6	7-6-10	5-10-0	5-10-0	7-6-10	7-5-6

Scale = 1:74.7



7-5-6	10-2-12	15-0-0	20-10-0	26-8-0	31-5-4	34-2-10	41-8-0
7-5-6	2-9-6	4-9-4	5-10-0	5-10-0	4-9-4	2-9-6	7-5-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.12	9-23	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.23	9-23	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 270 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 3-7-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 14-16.
WEBS 1 Row at midpt 3-16, 4-14, 5-13, 6-13, 7-12

REACTIONS. (size) 2=0-3-8, 16=0-5-8, 8=Mechanical
Max Horz 2=227(LC 9)
Max Uplift 2=-107(LC 12), 16=-298(LC 12), 8=-262(LC 13)
Max Grav 2=558(LC 25), 16=1610(LC 2), 8=1310(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-528/125, 3-4=-846/230, 4-5=-986/304, 5-6=-986/304, 6-7=-1382/350, 7-8=-1932/408
BOT CHORD 2-17=-198/423, 16-17=-198/423, 14-16=-537/204, 13-14=-123/633, 12-13=-61/1070, 10-12=-230/1597, 9-10=-248/1565, 8-9=-248/1565
WEBS 3-17=-85/256, 3-16=-1745/369, 3-14=-111/1327, 4-14=-543/95, 4-13=-172/789, 5-13=-350/172, 6-13=-267/97, 6-12=-110/651, 7-12=-747/256, 7-9=0/264

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=107, 16=298, 8=262.

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Date:

February 25,2021

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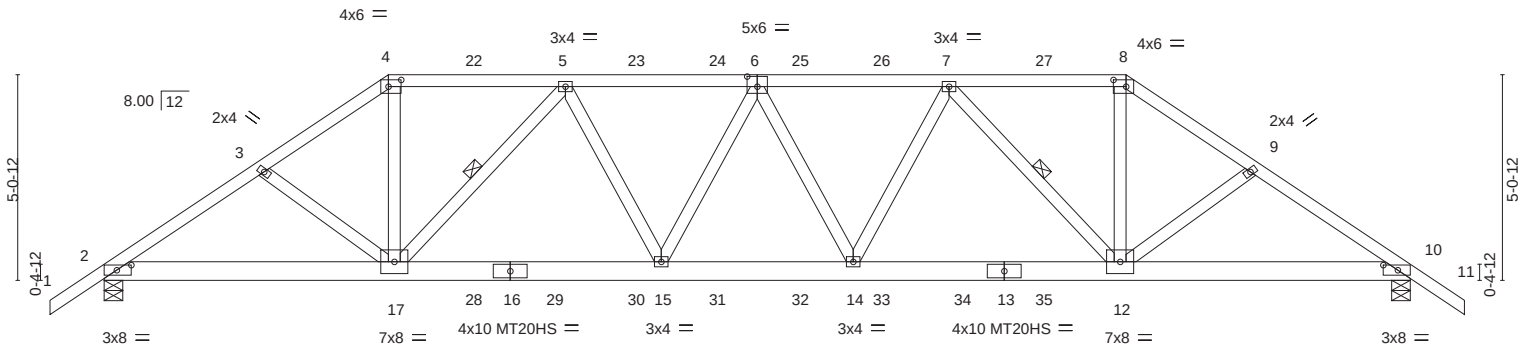
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T12	Hip Girder	1	1	T22973369
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:34 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-hWfMnM0x?yHw0iDRgKiEMfx_34GXF32AiUare0zhyw7

-1-4-0	3-11-4	7-0-0	11-4-5	16-1-0	20-9-11	25-2-0	28-2-12	32-2-0	33-6-0
1-4-0	3-11-4	3-0-12	4-4-5	4-8-11	4-8-11	4-4-5	3-0-12	3-11-4	1-4-0

Scale = 1:56.7



7-0-0	13-8-10	18-5-6	25-2-0	32-2-0
7-0-0	6-8-10	4-8-12	6-8-10	7-0-0

Plate Offsets (X,Y)-- [2:0-4-5,0-1-8], [4:0-3-12,0-2-0], [6:0-3-0,0-3-0], [8:0-3-12,0-2-0], [10:0-4-5,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.23	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.38	12-14	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 204 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-2 oc bracing.
WEBS 1 Row at midpt 5-17, 7-12

REACTIONS. (size) 2=0-5-8, 10=0-5-8
Max Horz 2=-119(LC 25)
Max Uplift 2=-912(LC 8), 10=-946(LC 9)
Max Grav 2=2415(LC 1), 10=2458(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3976/1551, 3-4=-3823/1531, 4-5=-3202/1322, 5-6=-4487/1822, 6-7=-4504/1825, 7-8=-3264/1372, 8-9=-3899/1592, 9-10=-4053/1613
BOT CHORD 2-17=-1286/3260, 15-17=-1656/4121, 14-15=-1831/4571, 12-14=-1655/4154, 10-12=-1257/3324
WEBS 4-17=-715/1890, 5-17=-1414/656, 5-15=-324/842, 7-14=-285/799, 7-12=-1362/606, 8-12=-681/1857

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=912, 10=946.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 64 lb down and 61 lb up at 7-0-0, 64 lb down and 58 lb up at 9-0-12, 64 lb down and 58 lb up at 11-0-12, 64 lb down and 58 lb up at 13-0-12, 64 lb down and 58 lb up at 15-0-12, 64 lb down and 58 lb up at 17-1-4, 64 lb down and 58 lb up at 19-1-4, 64 lb down and 58 lb up at 21-1-4, and 64 lb down and 58 lb up at 23-1-4, and 163 lb down and 176 lb up at 25-2-0 on top chord, and 416 lb down and 215 lb up at 7-0-0, 158 lb down and 78 lb up at 9-0-12, 158 lb down and 78 lb up at 11-0-12, 158 lb down and 78 lb up at 13-0-12, 158 lb down and 78 lb up at 15-0-12, 158 lb down and 78 lb up at 17-1-4, 158 lb down and 78 lb up at 19-1-4, 158 lb down and 78 lb up at 21-1-4, and 158 lb down and 78 lb up at 23-1-4, and 416 lb down and 215 lb up at 25-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

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February 25,2021

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LOAD CASE(S) Standard

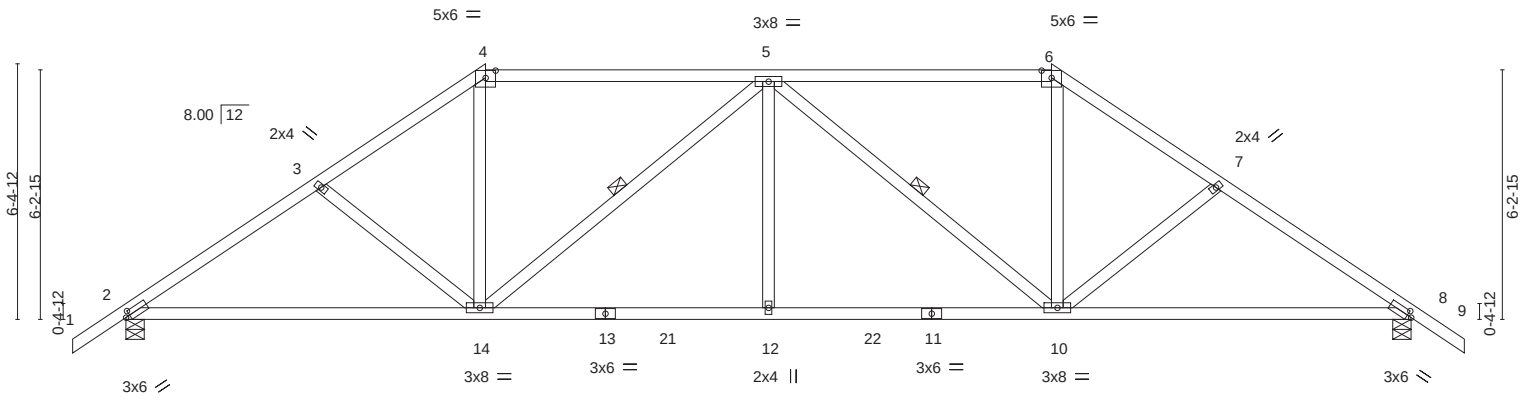
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-8=-54, 8-11=-54, 2-10=-20
   Concentrated Loads (lb)
   Vert: 4=-18(B) 8=-93(B) 17=-416(B) 5=-18(B) 7=-18(B) 12=-416(B) 22=-18(B) 23=-18(B) 24=-18(B) 25=-18(B) 26=-18(B) 27=-18(B) 28=-158(B) 29=-158(B) 30=-158(B) 31=-158(B) 32=-158(B) 33=-158(B) 34=-158(B) 35=-158(B)

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T13	Hip	1	1	T22973370
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:35 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-9iDk?h1ZmGPnesoeE1DTvtU8pUVy_d4Jx8KPATzhyw6

-1-4-0	4-10-10	9-0-0	16-1-0	23-2-0	27-3-6	32-2-0	33-6-0
1-4-0	4-10-10	4-1-6	7-1-0	7-1-0	4-1-6	4-10-10	1-4-0

Scale = 1:57.7



9-0-0	16-1-0	23-2-0	32-2-0
9-0-0	7-1-0	7-1-0	9-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.13	10-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.28	10-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 173 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 5-10

REACTIONS. (size) 2=0-5-8, 8=0-5-8
Max Horz 2=-146(LC 10)
Max Uplift 2=-267(LC 12), 8=-267(LC 13)
Max Grav 2=1368(LC 2), 8=1368(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1963/378, 3-4=-1813/352, 4-5=-1459/330, 5-6=-1459/330, 6-7=-1813/352, 7-8=-1963/379
BOT CHORD 2-14=-321/1612, 12-14=-292/1868, 10-12=-292/1868, 8-10=-224/1612
WEBS 4-14=-88/746, 5-14=-591/196, 5-12=0/355, 5-10=-591/196, 6-10=-88/746

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=267, 8=267.

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Date:

February 25,2021

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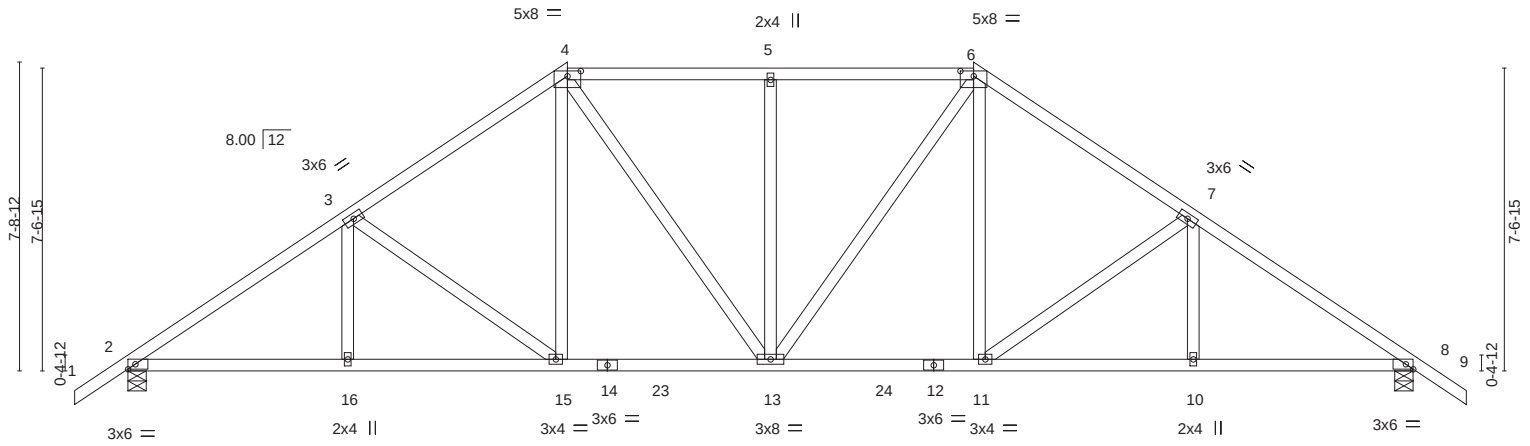
Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T14	Hip	1	1	T22973371
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:36 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-evn7C12CXZXeG0NqolkiR40Nkuvcj30TAo3yivzhyw5

-1-4-0	5-6-0	11-0-0	16-1-0	21-2-0	26-8-0	32-2-0	33-6-0
1-4-0	5-6-0	5-6-0	5-1-0	5-1-0	5-6-0	5-6-0	1-4-0

Scale = 1:57.7



5-6-0	11-0-0	16-1-0	21-2-0	26-8-0	32-2-0
5-6-0	5-6-0	5-1-0	5-1-0	5-6-0	5-6-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.10	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.17	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.08	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 No.2
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-11-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-5-8, 8=0-5-8
Max Horz 2=174(LC 11)
Max Uplift 2=-263(LC 12), 8=-263(LC 13)
Max Grav 2=1366(LC 2), 8=1366(LC 2)

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

TOP CHORD	2-3=-2027/361, 3-4=-1660/332, 4-5=-1485/306, 5-6=-1485/306, 6-7=-1660/332, 7-8=-2027/361
BOT CHORD	2-16=-322/1674, 15-16=-322/1674, 13-15=-176/1321, 11-13=-95/1321, 10-11=-205/1640, 8-10=-205/1640
WEBS	3-15=-460/184, 4-15=-72/479, 4-13=-145/358, 5-13=-329/152, 6-13=-145/358, 6-11=-72/479, 7-11=-460/184

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=263, 8=263.

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February 25,2021

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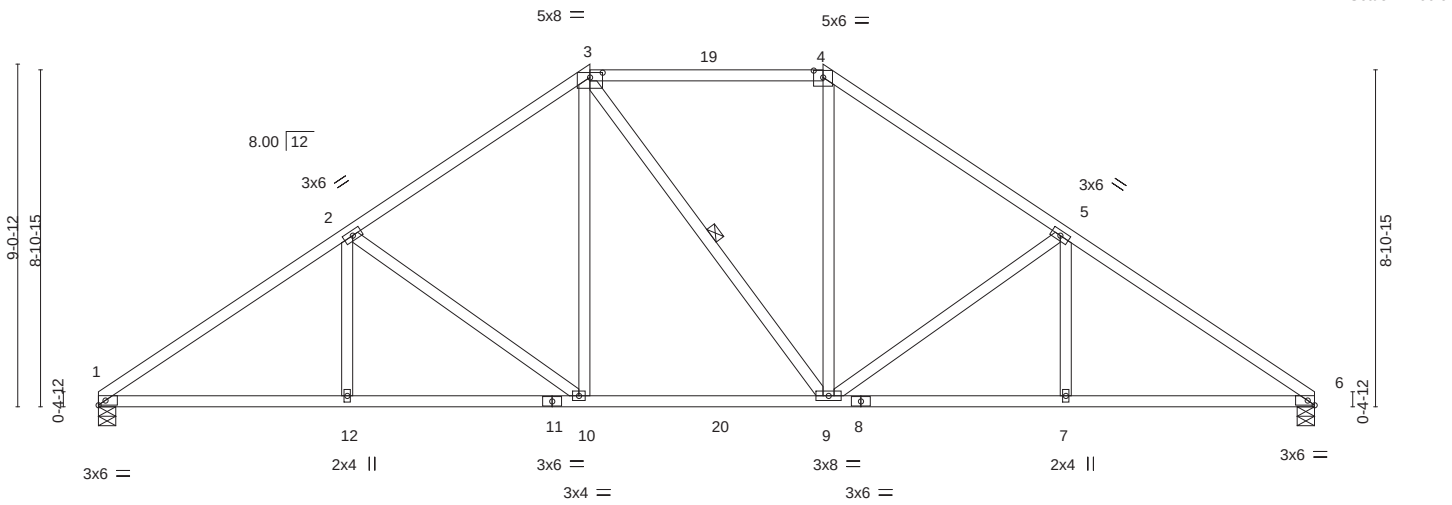
Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T15	Hip	1	1	T22973372
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:37 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-65LVPN2qItfVtAy0MSFx_IZVSIEOSR_cOSpVELzhyw4

6-6-15	13-0-0	19-2-0	25-7-1	32-2-0
6-6-15	6-5-1	6-2-0	6-5-1	6-6-15

Scale = 1:60.9



6-6-15	13-0-0	19-2-0	25-7-1	32-2-0
6-6-15	6-5-1	6-2-0	6-5-1	6-6-15

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.13	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.21	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.07	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 179 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 3-9-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-11-1 oc bracing.
WEBS 1 Row at midpt 3-9

REACTIONS. (size) 1=0-5-8, 6=0-5-8
Max Horz 1=-184(LC 10)
Max Uplift 1=-231(LC 12), 6=-231(LC 13)
Max Grav 1=1301(LC 19), 6=1296(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1986/353, 2-3=-1533/312, 3-4=-1195/311, 4-5=-1524/312, 5-6=-1978/353
BOT CHORD 1-12=-336/1693, 10-12=-336/1693, 9-10=-146/1214, 7-9=-212/1593, 6-7=-212/1593
WEBS 2-12=0/266, 2-10=-575/231, 3-10=-92/595, 4-9=-78/554, 5-9=-576/231, 5-7=0/265

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=231, 6=231.

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Date:

February 25,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T16	Piggyback Base	1	1	T22973373
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:38 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-aHutdj3S3BnMVKXDv9mAXV6gDiZdBuxmd6Y3nozhyw3

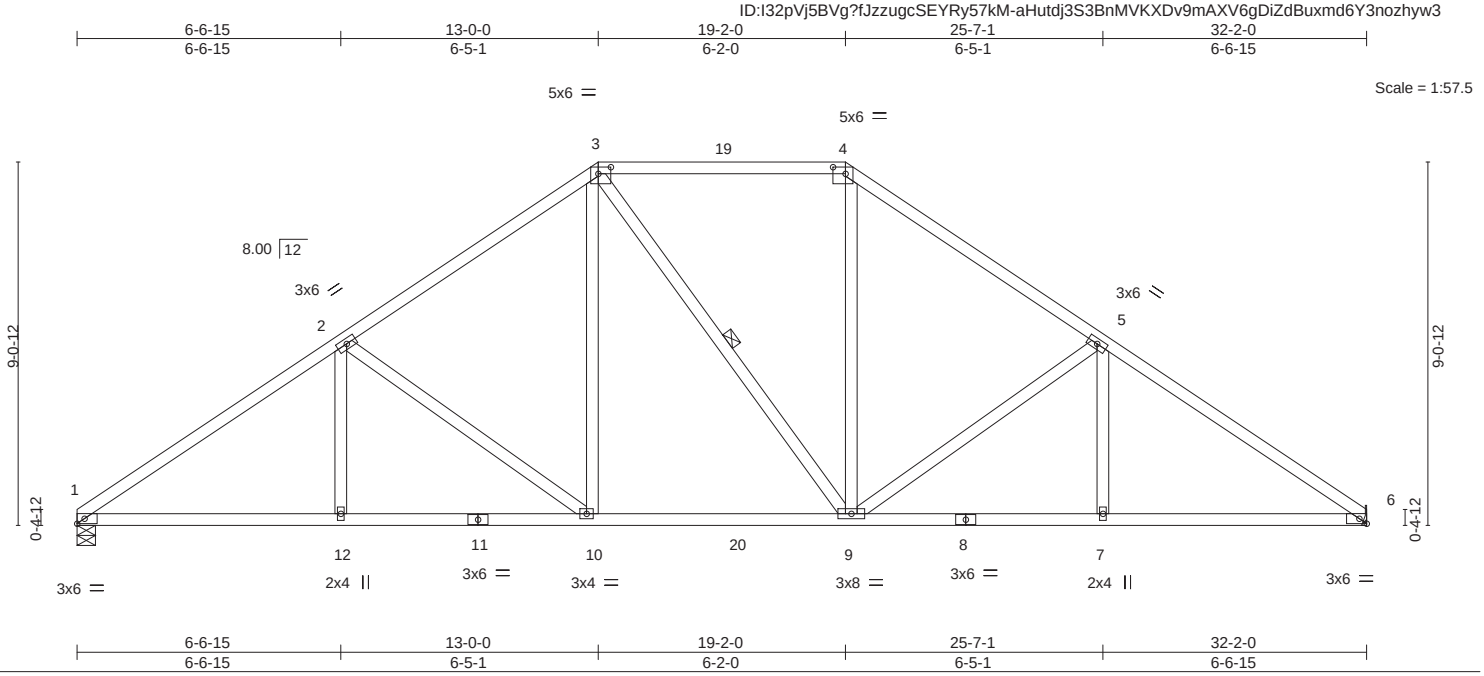

Plate Offsets (X,Y)-- [3:0-3-12,0-2-0], [4:0-3-12,0-2-0], [6:0-2-3,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.13	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.21	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.07	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 179 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 3-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-15 oc bracing.
WEBS 1 Row at midpt 3-9

REACTIONS. (size) 1=0-5-8, 6=Mechanical
Max Horz 1=-186(LC 8)
Max Uplift 1=-230(LC 12), 6=-230(LC 13)
Max Grav 1=1301(LC 19), 6=1296(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1987/352, 2-3=-1529/312, 3-4=-1181/310, 4-5=-1520/312, 5-6=-1978/353
BOT CHORD 1-12=-337/1694, 10-12=-337/1694, 9-10=-144/1202, 7-9=-212/1594, 6-7=-212/1594
WEBS 2-12=0/266, 2-10=-592/235, 3-10=-94/605, 4-9=-81/564, 5-9=-592/236, 5-7=0/265

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=230, 6=230.

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Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

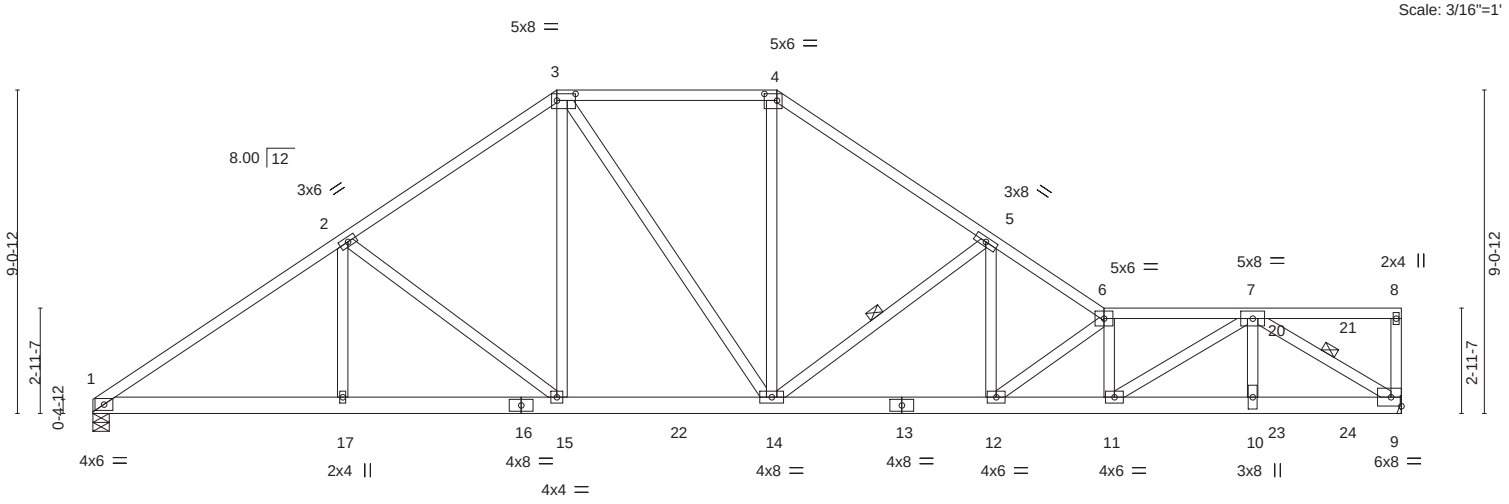
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T17	Piggyback Base Girder	1	1	T22973374
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:39 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-2TSFq344qUvD7U5PTtIP3jeoN5rqwKYvsmlcJEzhyw2

7-0-0	13-0-0	19-2-0	25-2-0	28-4-0	32-6-0	36-8-0
7-0-0	6-0-0	6-2-0	6-0-0	3-2-0	4-2-0	4-2-0

Scale: 3/16"=1'



7-0-0	13-0-0	19-2-0	25-2-0	28-4-0	32-6-0	36-8-0
7-0-0	6-0-0	6-2-0	6-0-0	3-2-0	4-2-0	4-2-0

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.23	12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.40	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 250 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-1-9 oc bracing.
WEBS 1 Row at midpt 5-14, 7-9

REACTIONS. (size) 1=0-5-8, 9=Mechanical
Max Horz 1=180(LC 24)
Max Uplift 1=-248(LC 8), 9=-483(LC 9)
Max Grav 1=1557(LC 2), 9=2192(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2462/387, 2-3=-1977/342, 3-4=-1764/380, 4-5=-2183/395, 5-6=-3549/635, 6-7=-4455/825
BOT CHORD 1-17=-404/2024, 15-17=-404/2024, 14-15=-217/1583, 12-14=-507/2959, 11-12=-832/4500, 10-11=-655/3130, 9-10=-655/3130
WEBS 2-17=0/301, 2-15=-620/238, 3-15=-100/597, 3-14=-140/424, 4-14=-133/909, 5-14=-1518/417, 5-12=-236/1442, 6-12=-1987/419, 6-11=-855/226, 7-11=-369/1677, 7-10=-105/840, 7-9=-3670/761

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=248, 9=483.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 93 lb down and 62 lb up at 32-2-12, and 79 lb down and 63 lb up at 33-1-4, and 79 lb down and 63 lb up at 35-1-4 on top chord, and 668 lb down and 148 lb up at 32-2-12, and 37 lb down and 11 lb up at 33-1-4, and 37 lb down and 11 lb up at 35-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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Date:

February 25,2021

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

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, 6-8=-54, 1-9=-20
   Concentrated Loads (lb)
   Vert: 10=-636(B) 7=-53(B) 20=-30(B) 21=-30(B) 23=-23(B) 24=-23(B)

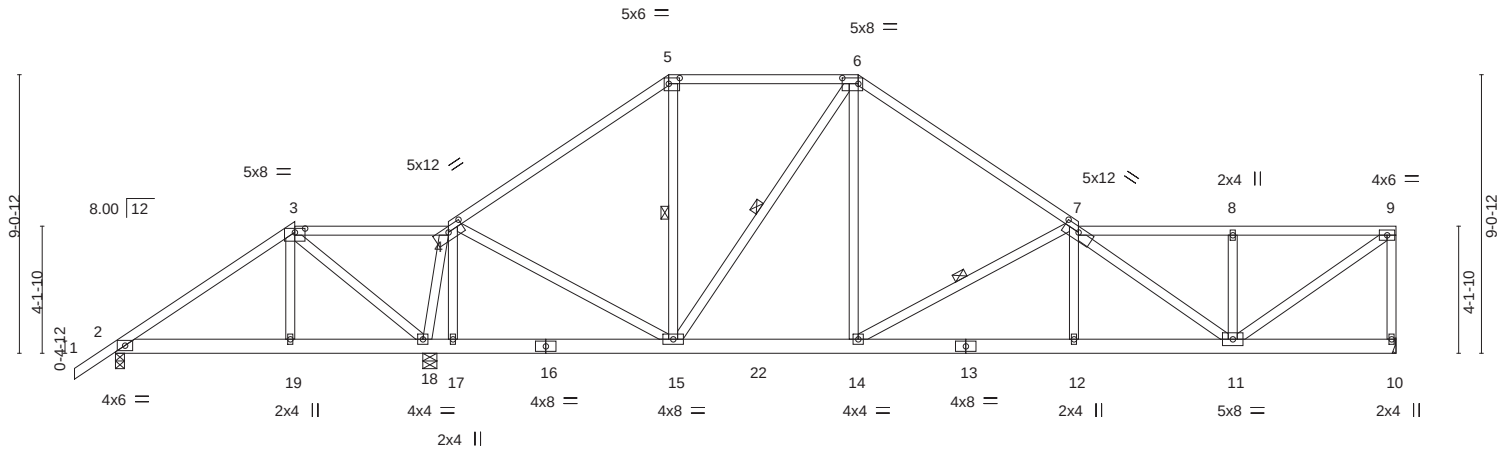
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T18	Piggyback Base Girder	1	1	T22973375
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:41 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-_sa0Fl5KM6AwMnFobIKt88k49vdJOEVCJ4njN7zhyw0

1-4-0	5-10-0	10-10-0	18-0-0	24-2-0	31-4-0	36-4-4	41-8-0
1-4-0	5-10-0	5-0-0	7-2-0	6-2-0	7-2-0	5-0-4	5-3-12

Scale = 1:75.0



5-10-0	10-0-0	10-10-0	18-0-0	24-2-0	31-4-0	36-4-4	41-8-0
5-10-0	4-2-0	0-10-0	7-2-0	6-2-0	7-2-0	5-0-4	5-3-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	-0.11	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.19	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 288 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-15, 6-15, 7-14

REACTIONS. (size) 10=Mechanical, 2=0-3-8, 18=0-5-8
Max Horz 2=222(LC 27)
Max Uplift 10=-228(LC 28), 2=-100(LC 8), 18=-415(LC 8)
Max Grav 10=1157(LC 2), 2=334(LC 19), 18=2179(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-210/377, 3-4=-130/786, 4-5=-852/162, 5-6=-633/166, 6-7=-1248/220, 7-8=-1348/254, 8-9=-1347/253, 9-10=-1069/238
BOT CHORD 2-19=-312/208, 18-19=-314/200, 17-18=-531/159, 15-17=-530/161, 14-15=-86/973, 12-14=-366/2066, 11-12=-367/2057
WEBS 3-19=-169/386, 3-18=-931/296, 4-15=-169/1309, 6-15=-636/154, 6-14=-108/847, 7-14=-1247/317, 7-11=-891/143, 8-11=-304/161, 9-11=-305/1642, 4-18=-1368/206

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=228, 2=100, 18=415.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 210 lb down and 141 lb up at 5-10-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-54, 4-5=-54, 5-6=-54, 6-7=-54, 7-9=-54, 2-10=-20

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Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

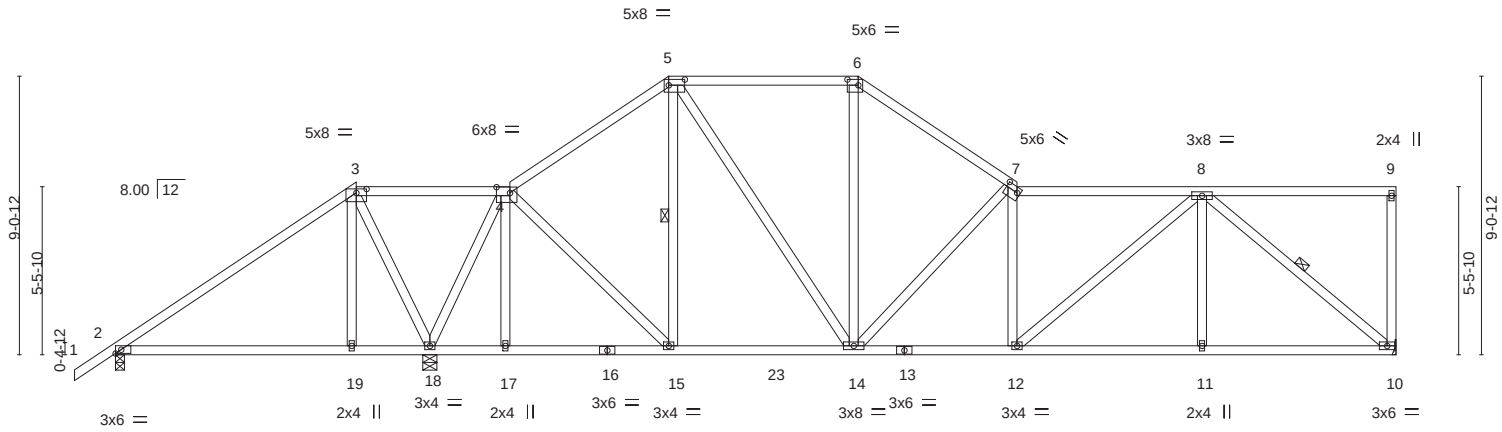
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 19=-186(B)

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T19	Piggyback Base	1	1	T22973376
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:42 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-S28OT56y7PIn_xq_8?r6hLGJ1JyQ7cxLYkWGwZzhyw?

1-4-0	7-10-0	12-10-0	18-0-0	24-2-0	29-4-0	35-4-4	41-8-0
1-4-0	7-10-0	5-0-0	5-2-0	6-2-0	5-2-0	6-0-4	6-3-12

Scale = 1:75.0



7-10-0	10-2-12	12-10-0	18-0-0	24-2-0	29-4-0	35-4-4	41-8-0
7-10-0	2-4-12	2-7-4	5-2-0	6-2-0	5-2-0	6-0-4	6-3-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.13	19-22	>931	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.25	19-22	>495	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 270 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-15, 8-10

REACTIONS. (size) 10=Mechanical, 2=0-3-8, 18=0-5-8
Max Horz 2=248(LC 12)
Max Uplift 10=-231(LC 13), 2=-76(LC 24), 18=-329(LC 12)
Max Grav 10=1145(LC 2), 2=264(LC 23), 18=2099(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-91/429, 3-4=-70/642, 4-5=-791/152, 5-6=-924/227, 6-7=-1175/217, 7-8=-1583/278
BOT CHORD 2-19=-326/70, 18-19=-334/69, 14-15=-102/596, 12-14=-275/1576, 11-12=-219/1132, 10-11=-219/1132
WEBS 3-19=-102/315, 3-18=-874/217, 4-18=-1491/179, 4-15=-84/817, 5-15=-383/94, 5-14=-140/615, 6-14=-25/394, 7-14=-924/236, 8-12=-76/587, 8-11=0/275, 8-10=-1457/281

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 10=231, 18=329.

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Date:

February 25,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T20	Piggyback Base	1	1	T22973377
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:43 2021 Page 1
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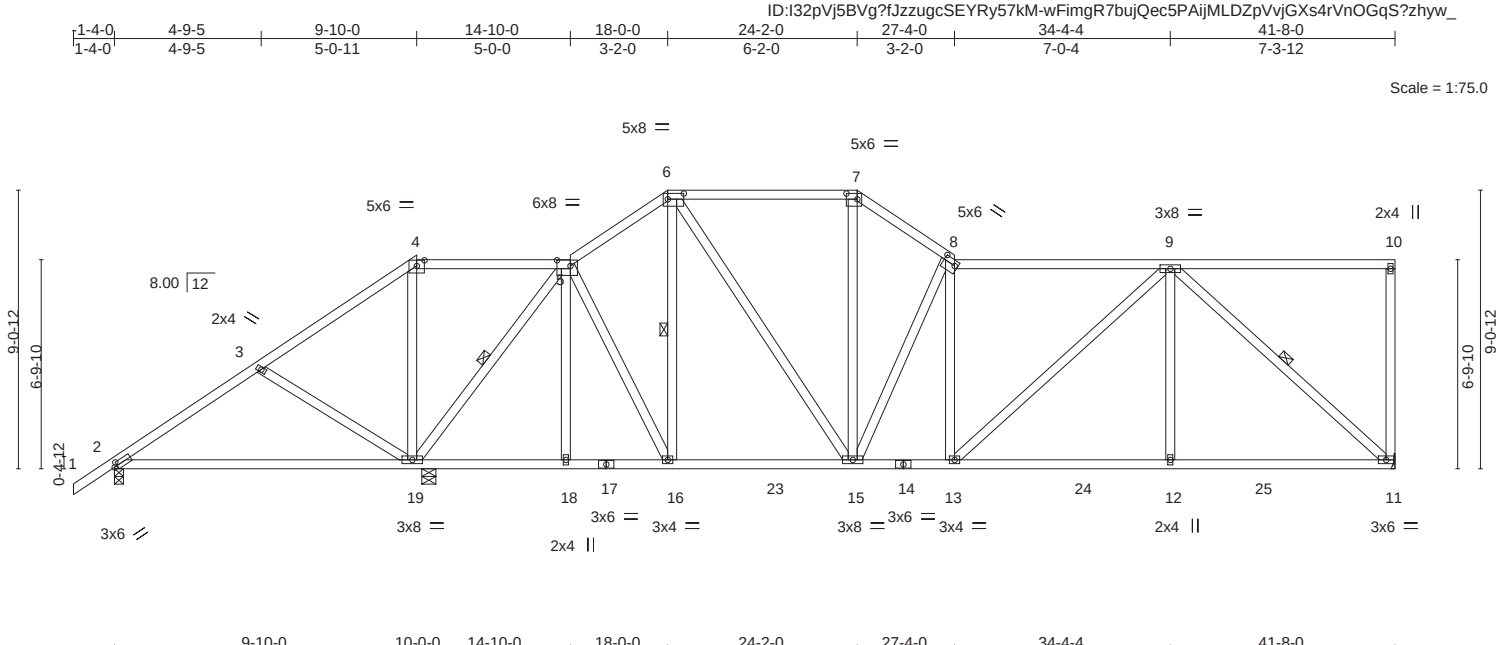

Plate Offsets (X,Y)-- [2:0-1-5,0-1-8], [4:0-3-0,0-2-3], [5:0-5-4,0-2-4], [6:0-6-4,0-2-4], [7:0-4-4,0-2-4], [8:0-4-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.17	19-22	>672	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.35	19-22	>333	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 288 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-19.
WEBS 1 Row at midpt 5-19, 6-16, 9-11

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 19=0-5-8
Max Horz 2=273(LC 12)
Max Uplift 11=-233(LC 13), 2=-109(LC 24), 19=-401(LC 12)
Max Grav 11=1219(LC 2), 2=171(LC 23), 19=2210(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-119/490, 3-4=-168/711, 4-5=-74/541, 5-6=-807/131, 6-7=-965/199, 7-8=-1204/207, 8-9=-1358/217
BOT CHORD 2-19=-361/79, 18-19=-68/378, 16-18=-70/377, 15-16=-106/629, 13-15=-215/1355, 12-13=-197/1092, 11-12=-197/1092
WEBS 3-19=-341/191, 4-19=-591/210, 5-19=-1487/197, 5-16=-84/581, 6-16=-331/96, 6-15=-136/616, 7-15=-45/458, 8-15=-883/205, 9-13=-47/357, 9-12=0/431, 9-11=-1453/261

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=233, 2=109, 19=401.

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Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T21	Piggyback Base	1	1	T22973378
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:45 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-tdpW569rQKgMrPZZq8OpJ_uuXWz6K_lnEilwWuzhyvy

1-4-0	6-1-3	11-10-0	16-10-0	18-0-0	24-2-0	25-4-0	29-10-0	35-6-13	41-8-0
1-4-0	6-1-3	5-8-13	5-0-0	1-2-0	6-2-0	1-2-0	4-6-0	5-8-13	6-1-3

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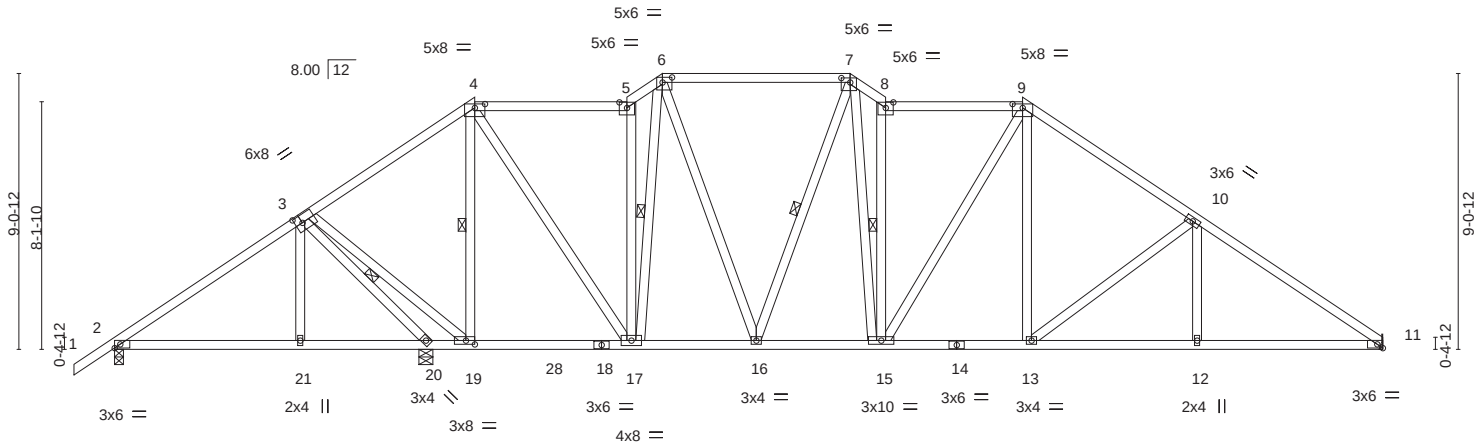

6-1-3	10-2-12	11-10-0	16-10-0	21-1-0	25-4-0	29-10-0	35-6-13	41-8-0
6-1-3	4-1-9	1-7-4	5-0-0	4-3-0	4-3-0	4-6-0	5-8-13	6-1-3

Plate Offsets (X,Y)-- [3:0-2-12,0-3-0], [4:0-4-0,0-1-9], [5:0-3-0,0-2-3], [6:0-3-12,0-2-0], [7:0-3-8,0-1-12], [8:0-3-0,0-2-3], [9:0-4-0,0-1-9], [11:0-2-3,Edge], [19:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.12	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.20	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 300 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-1-3 oc bracing: 19-20.
WEBS 1 Row at midpt 3-20, 4-19, 6-17, 7-16, 8-15

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 20=0-5-8
Max Horz 2=198(LC 9)
Max Uplift 11=-239(LC 13), 2=-99(LC 12), 20=-285(LC 12)
Max Grav 11=1267(LC 2), 2=519(LC 25), 20=1662(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-510/67, 3-4=-375/111, 4-5=-880/206, 5-6=-1067/259, 6-7=-1027/253, 7-8=-1535/385, 8-9=-1278/304, 9-10=-1541/338, 10-11=-1947/370
BOT CHORD 2-21=-125/447, 20-21=-125/447, 19-20=-1106/283, 17-19=-84/336, 16-17=-126/867, 15-16=-119/1142, 13-15=-65/1217, 12-13=-232/1571, 11-12=-232/1571
WEBS 3-20=-2008/380, 3-19=-191/1675, 4-19=-1017/169, 4-17=-163/1134, 5-17=-730/208, 6-16=-104/520, 7-16=-389/126, 7-15=-292/1023, 8-15=-960/280, 9-13=-88/517, 10-13=-517/206

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 11=239, 20=285.

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Date:

February 25,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T22	Hip	1	1	T22973379
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:46 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-LqNvIS9TBeoDTY8lNrw2rBR0KwHQ3UHxTMUU2Kzhyvx

1-4-0	7-1-3	13-10-0	20-10-0	27-10-0	34-6-13	41-8-0
1-4-0	7-1-3	6-8-13	7-0-0	7-0-0	6-8-13	7-1-3

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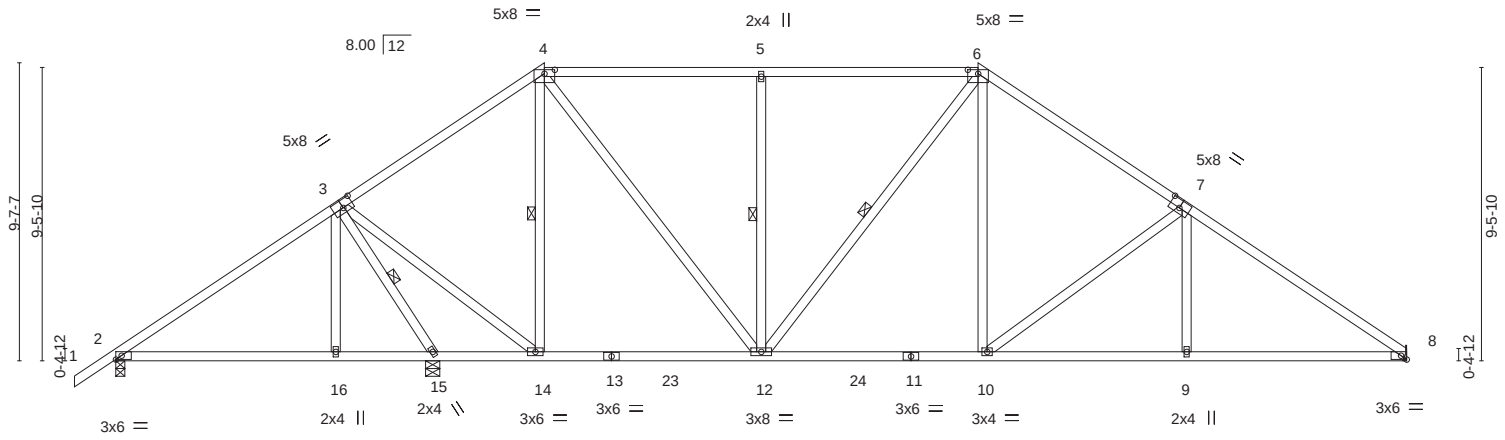

7-1-3	10-2-12	13-10-0	20-10-0	27-10-0	34-6-13	41-8-0
7-1-3	3-1-9	3-7-4	7-0-0	7-0-0	6-8-13	7-1-3

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.13	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.22	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 253 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 3-7-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-15.
WEBS	1 Row at midpt 3-15, 4-14, 5-12, 6-12

REACTIONS. (size) 2=0-3-8, 15=0-5-8, 8=Mechanical
Max Horz 2=208(LC 9)
Max Uplift 2=-113(LC 12), 15=-293(LC 12), 8=-264(LC 13)
Max Grav 2=547(LC 25), 15=1640(LC 2), 8=1300(LC 2)

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

TOP CHORD	2-3=-515/109, 3-4=-716/198, 4-5=-1097/310, 5-6=-1097/311, 6-7=-1479/368, 7-8=-1963/405
BOT CHORD	2-16=-190/407, 15-16=-187/402, 14-15=-654/210, 12-14=-126/563, 10-12=-79/1153, 9-10=-247/1566, 8-9=-246/1574
WEBS	3-16=-78/259, 3-15=-1872/362, 3-14=-133/1470, 4-14=-673/119, 4-12=-198/954, 5-12=-448/210, 6-10=-102/644, 7-10=-610/243, 7-9=0/287

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=113, 15=293, 8=264.

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T23	Hip	1	1	T22973380
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:47 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-p0xHWoA5xyw44ijxxYRHOP_8SKbao?X4h0E1amzhyvw

1-4-0	8-0-0	15-10-0	20-10-0	25-10-0	33-8-0	41-8-0
1-4-0	8-0-0	7-10-0	5-0-0	5-0-0	7-10-0	8-0-0

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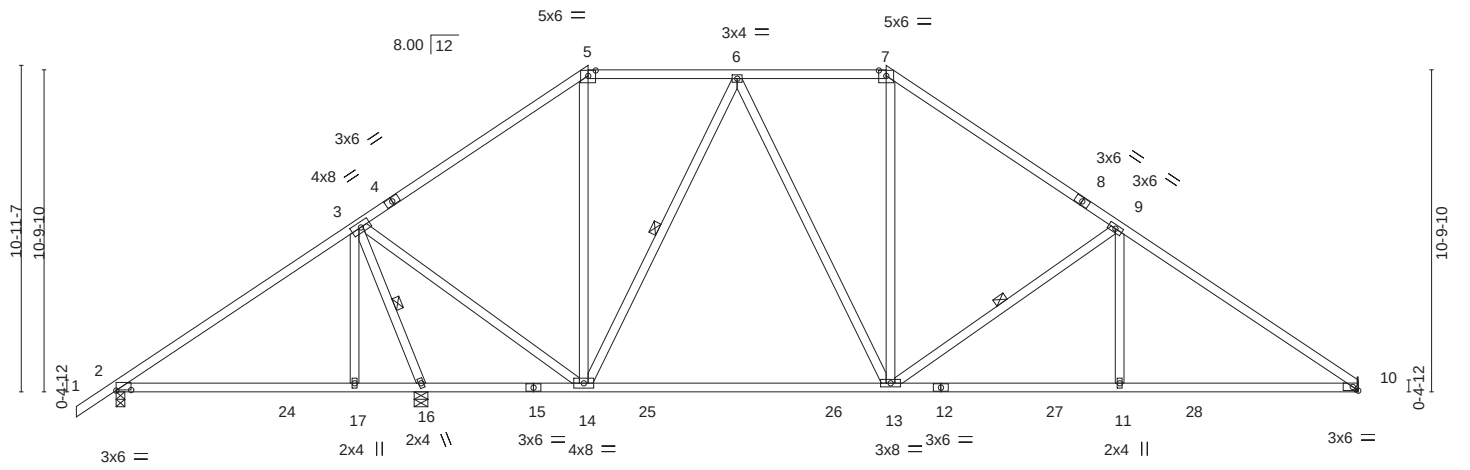

8-0-0	10-2-12	15-10-0	25-10-0	33-8-0	41-8-0
8-0-0	2-2-12	5-7-4	10-0-0	7-10-0	8-0-0

Plate Offsets (X,Y)-- [2:0-6-0,0-0-4], [5:0-3-0,0-2-3], [7:0-3-0,0-2-3], [10:0-2-3,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	0.13	17-20	>967	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.58	13-14	>651	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 251 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
12-15: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 14-16.
WEBS 1 Row at midpt 3-16, 6-14, 9-13

REACTIONS. (size) 2=0-3-8, 16=0-5-8, 10=Mechanical
Max Horz 2=237(LC 9)
Max Uplift 2=-98(LC 12), 16=-306(LC 12), 10=-257(LC 13)
Max Grav 2=521(LC 25), 16=1719(LC 2), 10=1354(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-437/111, 3-5=-860/229, 5-6=-624/219, 6-7=-1046/340, 7-9=-1368/336, 9-10=-1956/391
BOT CHORD 2-17=-191/350, 16-17=-191/350, 14-16=-536/205, 13-14=-115/892, 11-13=-227/1581, 10-11=-227/1581
WEBS 3-17=-97/382, 3-16=-1904/352, 3-14=-93/1339, 6-14=-650/183, 6-13=-91/446, 7-13=-52/444, 9-13=-761/288, 9-11=0/378

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 16=306, 10=257.

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6904 Parke East Blvd. Tampa FL 33610
Date:

February 25,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T24	Common	4	1	T22973381
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:48 2021 Page 1
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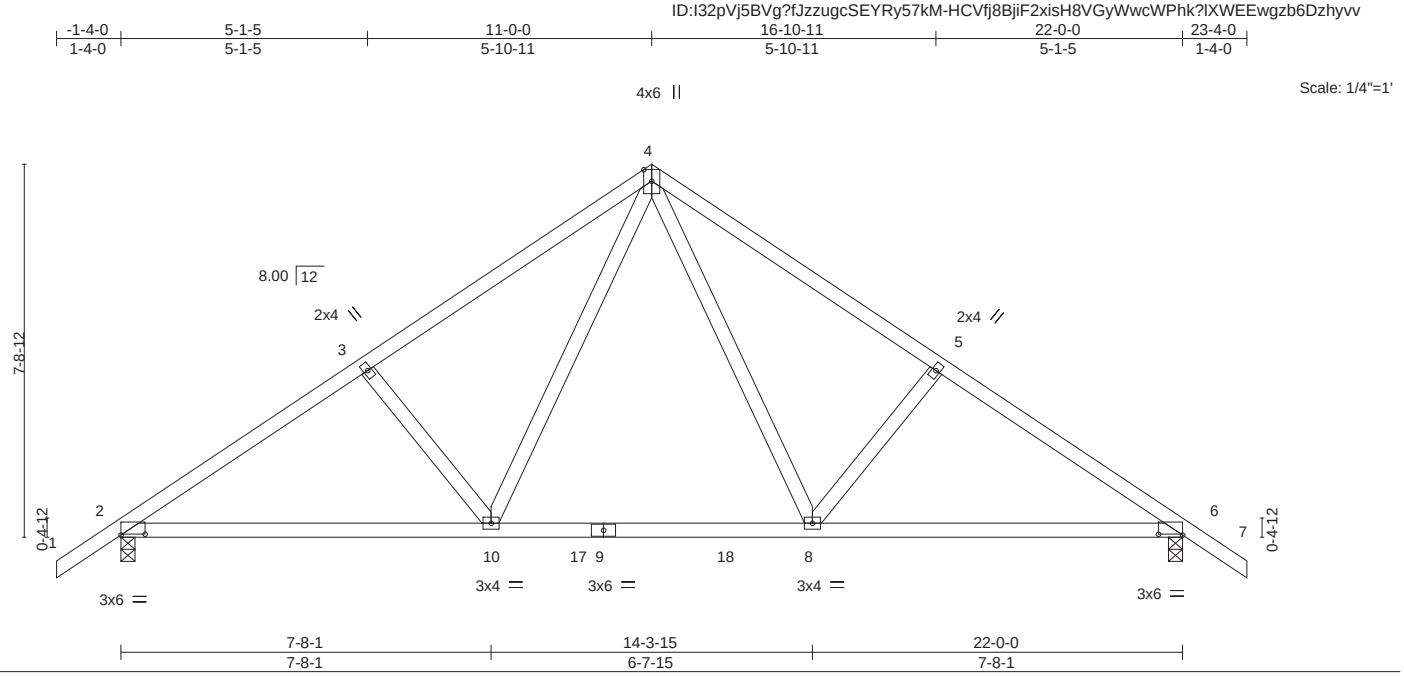

Plate Offsets (X,Y)-- [2:0-6-0,0-0-3], [6:0-6-0,0-0-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.08	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.16	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 113 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-176(LC 10)
Max Uplift 2=-179(LC 12), 6=-179(LC 13)
Max Grav 2=951(LC 2), 6=951(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1256/229, 3-4=-1137/242, 4-5=-1137/242, 5-6=-1256/229
BOT CHORD 2-10=-259/1025, 8-10=-119/671, 6-8=-111/1025
WEBS 4-8=-177/518, 5-8=-299/200, 4-10=-177/518, 3-10=-299/200

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=179, 6=179.

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Date:

February 25,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T24G	GABLE	1	1	T22973382
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:49 2021 Page 1
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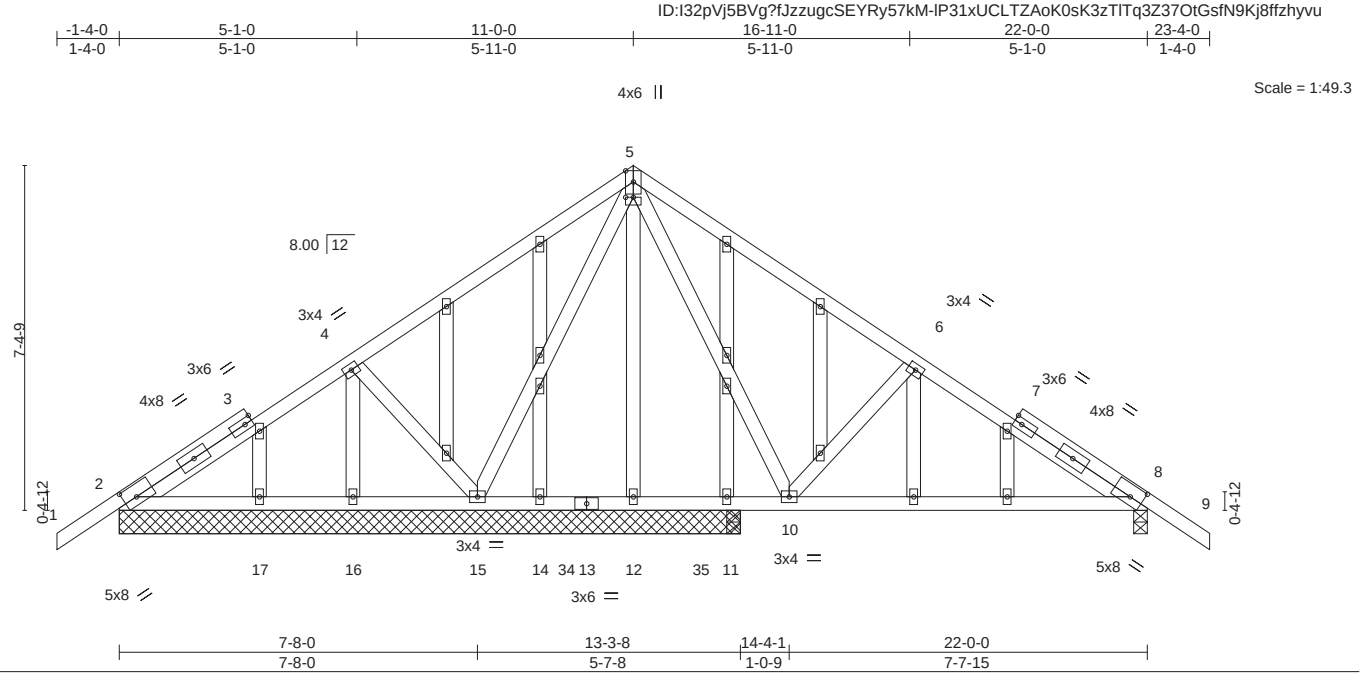

Plate Offsets (X,Y)-- [2:0-3-5,0-3-0], [5:0-2-0,0-0-0], [8:0-3-5,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.06	10-33	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.12	10-33	>890	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 168 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.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 13-3-8 except (jt=length) 8=0-3-8, 11=0-3-8, 11=0-3-8.
(lb) - Max Horz 2=-169(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 11 except 8=-131(LC 13), 15=-211(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 12, 14, 16, 17, 11, 11, 2 except 2=265(LC 23), 8=603(LC 20), 15=801(LC 19)

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

TOP CHORD	4-5=-29/250, 5-6=-467/144, 6-8=-604/143
BOT CHORD	8-10=-46/501
WEBS	5-10=-96/462, 6-10=-352/203, 5-15=-564/87, 4-15=-300/204

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 11, 2 except (jt=lb) 8=131, 15=211.

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Date:

February 25,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T25	Common Girder	1	2	T22973383

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:51 2021 Page 1
ID:I32pVj5BVg?fJzzugcSEYRy57kM-hnBoLADc?AQWZK0jAOVDYF8sOx2hkj9gceCFjXzhyvs

4-2-11	7-7-5	11-0-0	14-4-11	17-9-5	22-0-0
4-2-11	3-4-11	3-4-11	3-4-11	3-4-11	4-2-11

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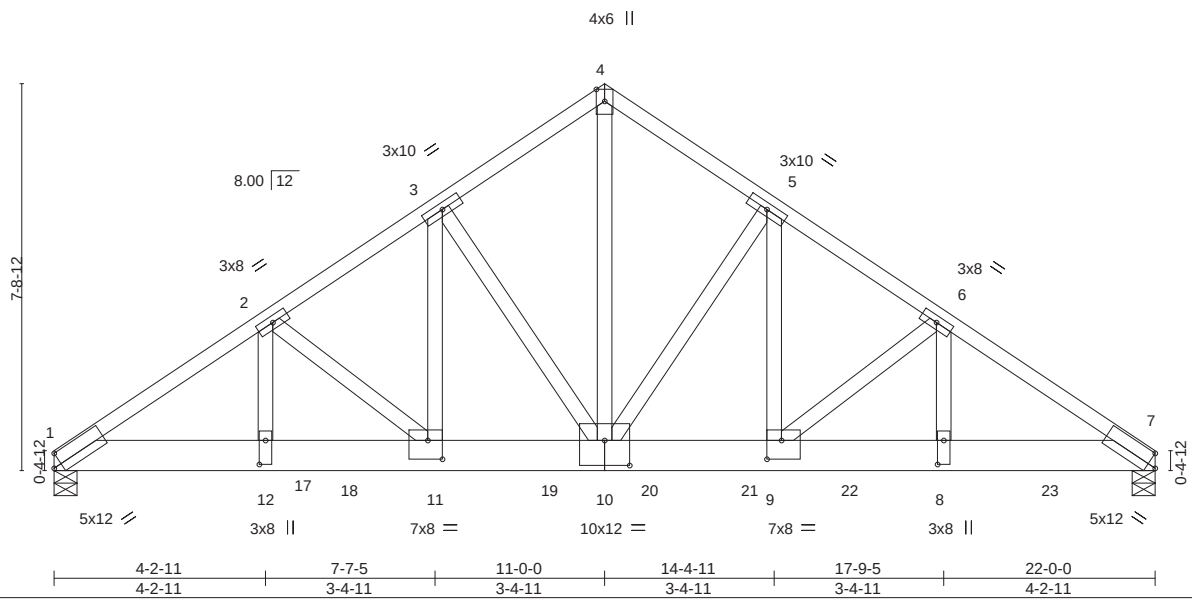

4-2-11	7-7-5	11-0-0	14-4-11	17-9-5	22-0-0
4-2-11	3-4-11	3-4-11	3-4-11	3-4-11	4-2-11

Plate Offsets (X,Y)-- [1:Edge,0-3-0], [7:Edge,0-3-0], [8:0-5-12,0-1-8], [9:0-3-8,0-4-8], [10:0-6-0,0-6-0], [11:0-3-8,0-4-8], [12:0-5-12,0-1-8]

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	0.59	Vert(LL)	-0.16	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.28	9-10	>948	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 333 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
4-10: 2x4 SP No.2

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

REACTIONS. (size) 1=0-5-8, 7=0-5-8
Max Horz 1=157(LC 26)
Max Uplift 1=-1374(LC 8), 7=-1443(LC 9)
Max Grav 1=6495(LC 2), 7=6941(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-11254/2381, 2-3=-9014/1905, 3-4=-7024/1525, 4-5=-7024/1526, 5-6=-9083/1905, 6-7=-11276/2343
BOT CHORD 1-12=-2025/9337, 11-12=-2025/9337, 10-11=-1553/7473, 9-10=-1497/7528, 8-9=-1889/9364, 7-8=-1889/9364
WEBS 4-10=-1610/7560, 5-10=-3025/721, 5-9=-732/3521, 6-9=-2362/569, 6-8=-511/2536, 3-10=-2928/720, 3-11=-730/3397, 2-11=-2397/607, 2-12=-559/2602

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-8-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 2-12 2x4 - 1 row at 0-4-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1374, 7=1443.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2172 lb down and 503 lb up at 3-10-12, 1137 lb down and 248 lb up at 5-10-12, 1125 lb down and 251 lb up at 7-10-12, 1199 lb down and 253 lb up at 9-10-12, 1247 lb down and 259 lb up at 11-10-12, 1280 lb down and 284 lb up at 13-10-12, 1310 lb down and 277 lb up at 15-10-12, and 1278 lb down and 282 lb up at 17-10-12, and 1278 lb down and 282 lb up at 19-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

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Date:
February 25,2021

LOAD CASE(S) Standard

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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: 1-4=-54, 4-7=-54, 1-7=-20
   Concentrated Loads (lb)
   Vert: 8=-1164(F) 11=-1044(F) 17=-2043(F) 18=-1049(F) 19=-1049(F) 20=-1145(F) 21=-1159(F) 22=-1148(F) 23=-1164(F)

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T26G	GABLE	1	1	T22973384
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:52 2021 Page 1
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1-4-0 4-6-0 4-6-0 1-4-0

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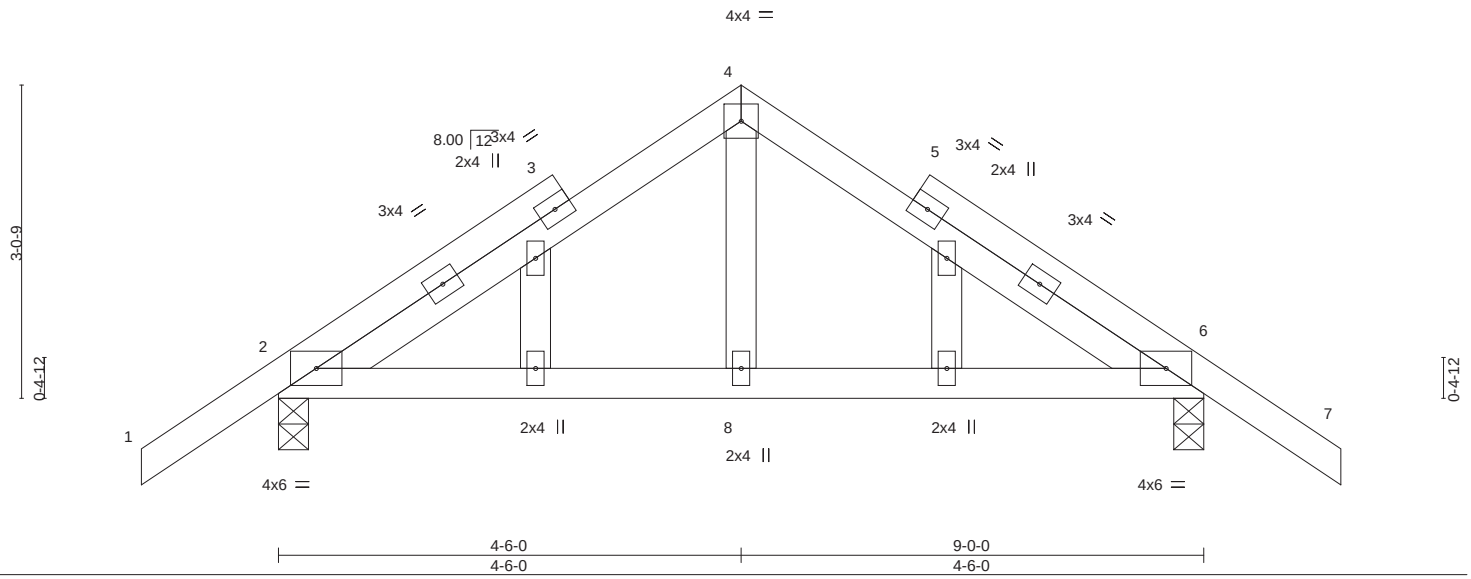

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	-0.01	8-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.01	8-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 50 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
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. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-76(LC 10)
Max Uplift 2=-93(LC 12), 6=-93(LC 13)
Max Grav 2=402(LC 1), 6=402(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-347/70, 4-6=-347/70
BOT CHORD 2-8=-48/268, 6-8=-48/268

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.

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Date:

February 25,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T27	Common	1	1	T22973385
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:53 2021 Page 1
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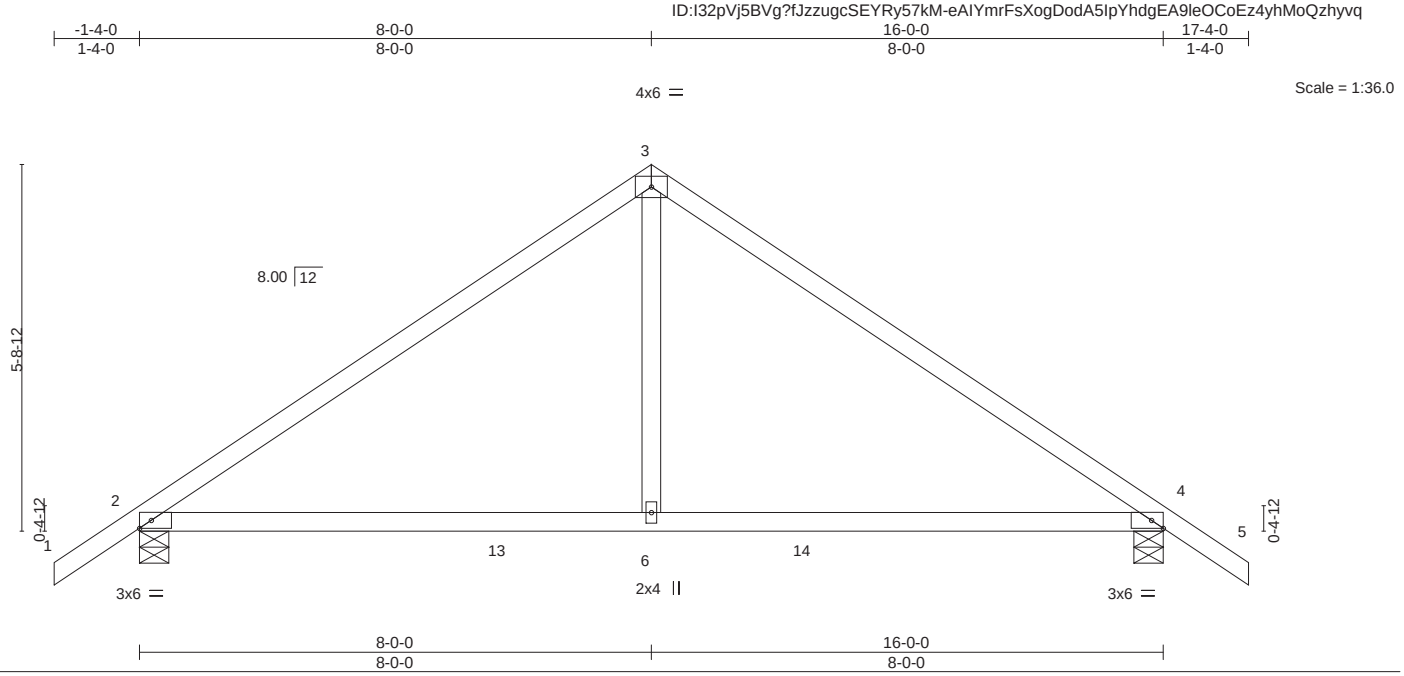

Plate Offsets (X,Y)-- [4:0-2-3,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	-0.16	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.26	6-9	>744	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 65 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 3-7-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-5-8, 4=0-5-8
Max Horz 2=-133(LC 10)
Max Uplift 2=-138(LC 12), 4=-138(LC 13)
Max Grav 2=760(LC 19), 4=760(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-817/148, 3-4=-816/148
BOT CHORD 2-6=-44/654, 4-6=-44/654
WEBS 3-6=0/462

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=138, 4=138.

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T27G	Common Supported Gable	1	1	T22973386
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:54 2021 Page 1
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1-4-0 8-0-0 8-0-0 1-4-0

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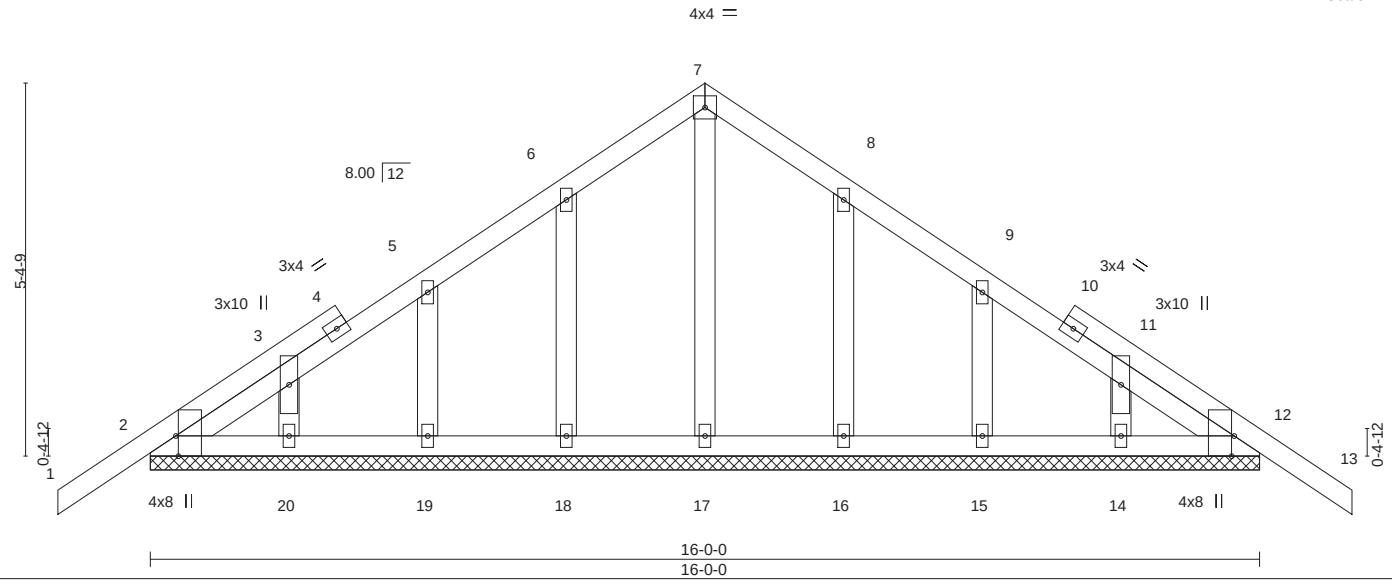

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [12:0-3-8,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	-0.00	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 92 lb	FT = 20%

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

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

REACTIONS. All bearings 16-0-0.
(lb) - Max Horz 2=126(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 18, 19, 20, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 18, 19, 20, 16, 15, 14

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 18, 19, 20, 16, 15, 14.

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February 25,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TODD RES.
2584809	T28	Common Girder	1	2	T22973387

Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Feb 24 09:55:56 2021 Page 1
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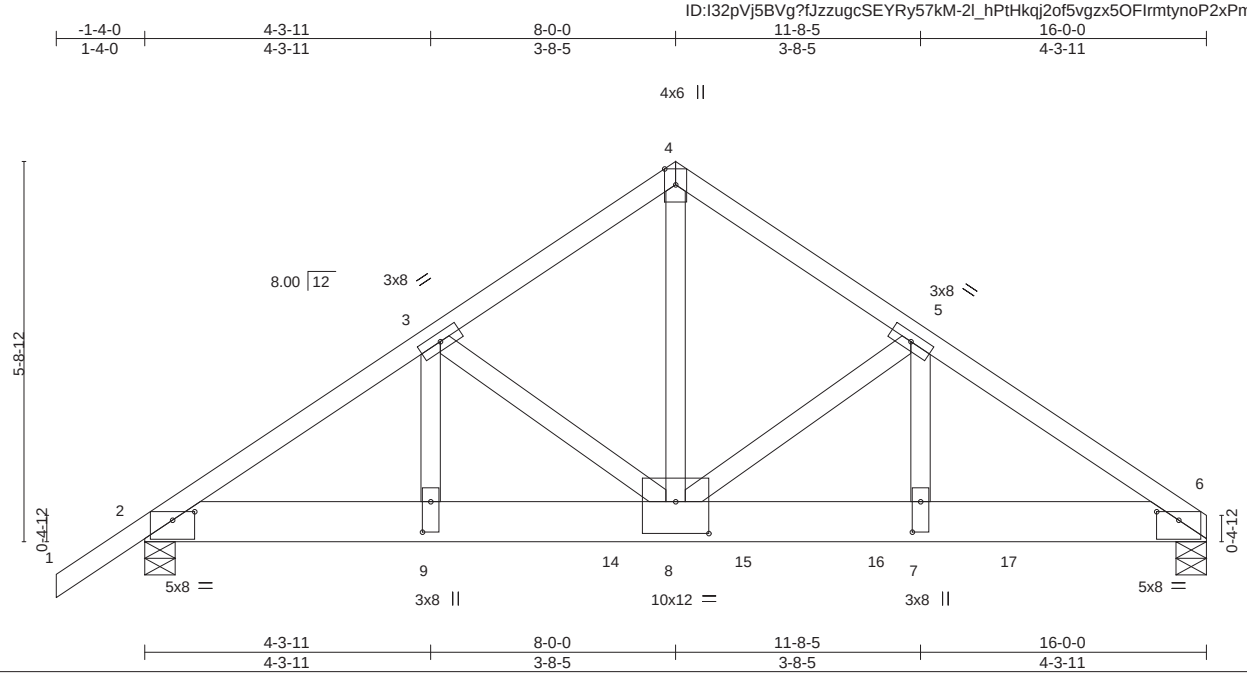

Plate Offsets (X,Y)-- [2:0-4-0,0-1-9], [6:0-4-0,0-1-9], [7:0-5-8,0-1-8], [8:0-6-0,0-5-12], [9:0-5-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.08	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.14	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.63	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 215 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
4-8: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-5-8, 2=0-5-8
Max Horz 2=127(LC 24)
Max Uplift 6=-1376(LC 9), 2=-947(LC 8)
Max Grav 6=6183(LC 2), 2=3357(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5743/1642, 3-4=-5196/1468, 4-5=-5210/1469, 5-6=-8010/1870
BOT CHORD 2-9=-1379/4731, 8-9=-1379/4731, 7-8=-1504/6653, 6-7=-1504/6653
WEBS 4-8=-1544/5500, 5-8=-3057/546, 5-7=-460/3283, 3-8=-555/301, 3-9=-196/456

NOTES-
1) 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: 2x8 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=1376, 2=947.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2491 lb down and 1055 lb up at 7-0-12, 1272 lb down and 199 lb up at 9-0-12, 1641 lb down and 252 lb up at 11-0-12, and 1631 lb down and 321 lb up at 13-0-12, and 1620 lb down and 316 lb up at 15-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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Continued on page 2

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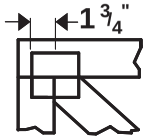
Tampa, FL 36610

LOAD CASE(S) Standard

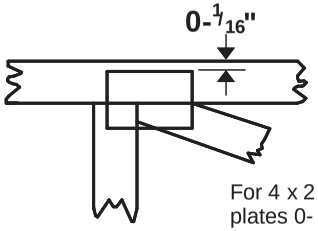
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-6=-54, 2-6=-20
   Concentrated Loads (lb)
   Vert: 11=-1468(F) 14=-2491(F) 15=-1152(F) 16=-1467(F) 17=-1467(F)

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

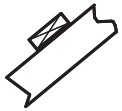
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

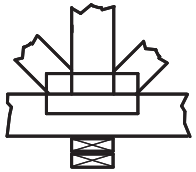
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

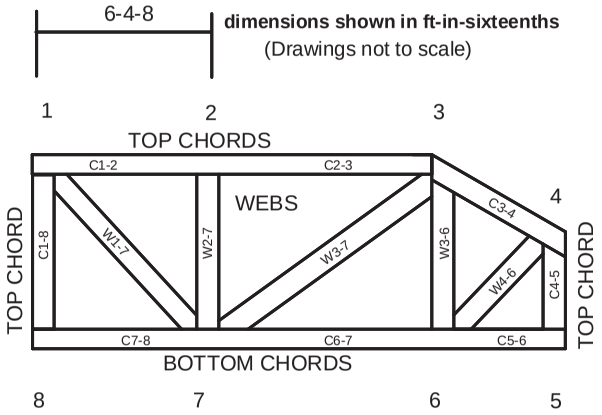


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

21.The design does not take into account any dynamic or other loads other than those expressly stated.