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

RE: 2584815 - CHRISMILL - FISHER RES.

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

Site Information:
Customer Info: Chrismill Homes Project Name: Fisher Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 224 SW Fordham Glen, N/A
City: Columbia Cty State: FL

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: N/A Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 20 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T22376815	T01	1/7/21
2	T22376816	T01G	1/7/21
3	T22376817	T02	1/7/21
4	T22376818	T02A	1/7/21
5	T22376819	T02G	1/7/21
6	T22376820	T03	1/7/21
7	T22376821	T03G	1/7/21
8	T22376822	T04	1/7/21
9	T22376823	T05	1/7/21
10	T22376824	T06	1/7/21
11	T22376825	T06G	1/7/21
12	T22376826	T07	1/7/21
13	T22376827	T07G	1/7/21
14	T22376828	T08	1/7/21
15	T22376829	T09	1/7/21
16	T22376830	T10	1/7/21
17	T22376831	T10G	1/7/21
18	T22376832	T11G	1/7/21
19	T22376833	T12G	1/7/21
20	T22376834	V01	1/7/21

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

Truss Design Engineer's Name: 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:
January 7,2021

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376815
25041815	T01	Common	6	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:33:51 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-6qUz4AwyhTlZGCC8cCULbaChwhPYUS?cY_Gnakzxm__

-1-4-0	4-10-8	11-4-0	17-9-8	22-8-0	24-0-0
1-4-0	4-10-8	6-5-8	6-5-8	4-10-8	1-4-0

Scale = 1:47.0

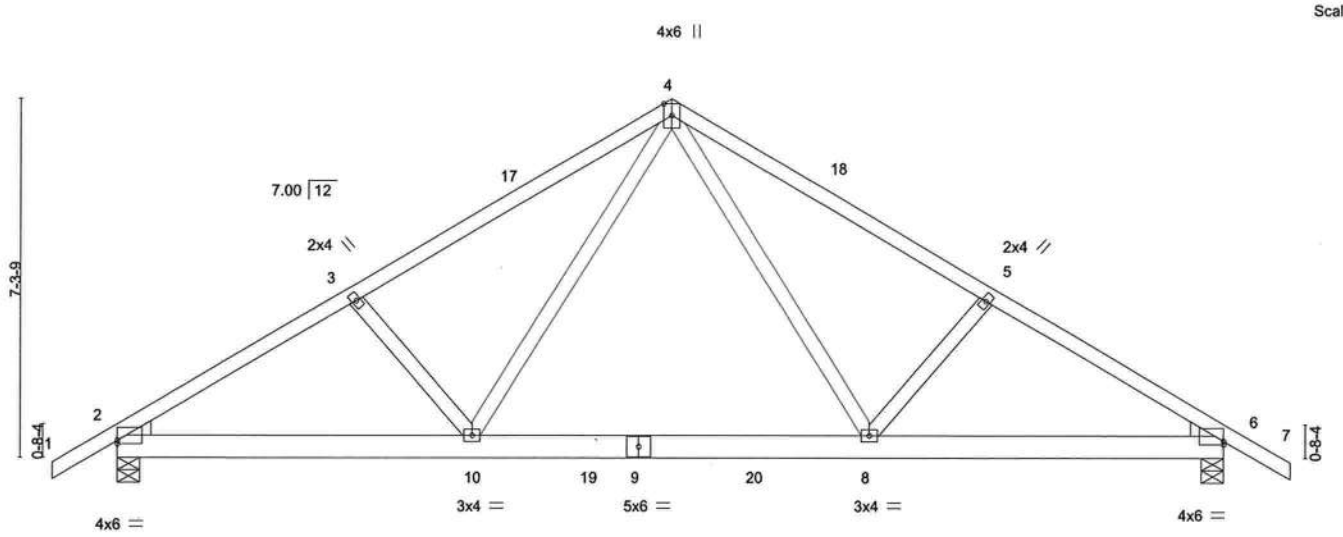

Plate Offsets (X,Y)-- [2:0-0-0,0-0-14], [6:Edge,0-0-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.16	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.28	8-10	>962	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 132 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-12 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=158(LC 11)
Max Uplift 2=-249(LC 12), 6=-249(LC 13)
Max Grav 2=1268(LC 19), 6=1268(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1922/383, 3-4=-1778/381, 4-5=-1778/381, 5-6=-1922/383
BOT CHORD 2-10=-364/1715, 8-10=-144/1101, 6-8=-258/1597
WEBS 4-8=-191/871, 5-8=-274/196, 4-10=-191/870, 3-10=-274/196

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-4-0, Exterior(2R) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 24-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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=249, 6=249.
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, 10-11=-20, 8-10=-80(F=-60), 8-14=-20

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Date:
January 7,2021

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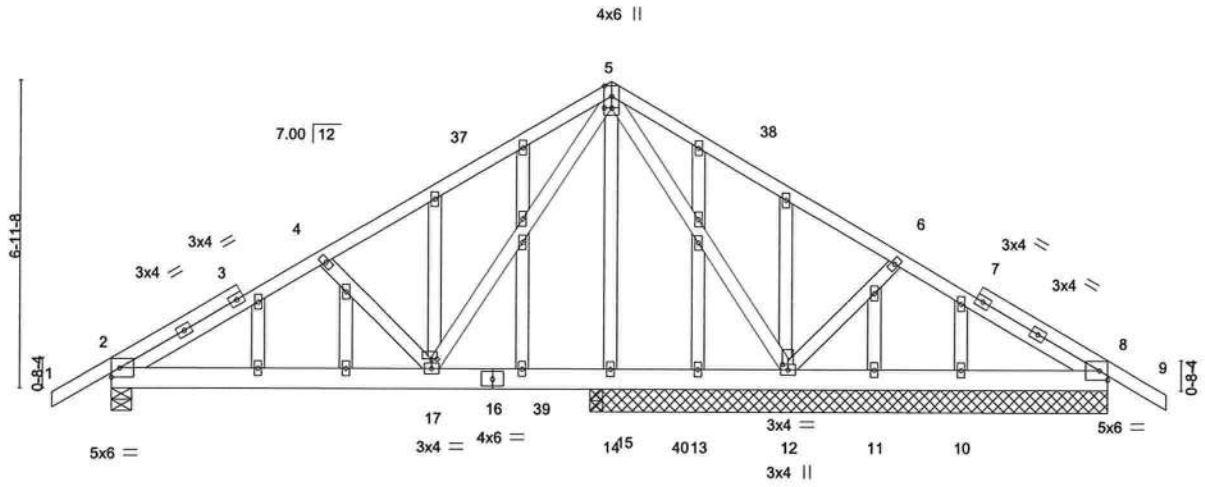
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376816
2584815	T01G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:33:52 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-a02MHVxaSmtQtMnKAv?a7nlxo5tJDq1Ine0L5Azxlzz

-1-4-0	4-10-8	11-4-0	17-9-8	22-8-0	24-0-0
1-4-0	4-10-8	6-5-8	6-5-8	4-10-8	1-4-0

Scale = 1:52.2



7-3-5	10-10-8	15-4-11	22-8-0
7-3-5	3-7-3	4-6-3	7-3-5

Plate Offsets (X,Y)-- [5:0-2-0,0-0-1], [12:0-1-8,0-1-8], [17:0-1-8,0-0-2]

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)	-0.02	17-33	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.04	17-33	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 183 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.

REACTIONS. All bearings 11-9-8 except (jt=length) 2=0-5-8, 15=0-3-8.
(lb) - Max Horz 2=151(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 8 except 2=-138(LC 12), 14=-390(LC 19), 12=-203(LC 13), 15=-145(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 14, 13, 11, 10 except 2=644(LC 19), 8=293(LC 24), 12=724(LC 1), 15=562(LC 19), 8=270(LC 1)

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

TOP CHORD	2-4=-715/165, 4-5=-562/149
BOT CHORD	2-17=-186/720
WEBS	5-12=-559/148, 6-12=-331/212, 5-17=-103/458, 4-17=-347/207

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-4-0, Exterior(2R) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 24-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable 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) 8, 8 except (jt=lb) 2=138, 14=390, 12=203, 15=145.

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Date:
January 7,2021

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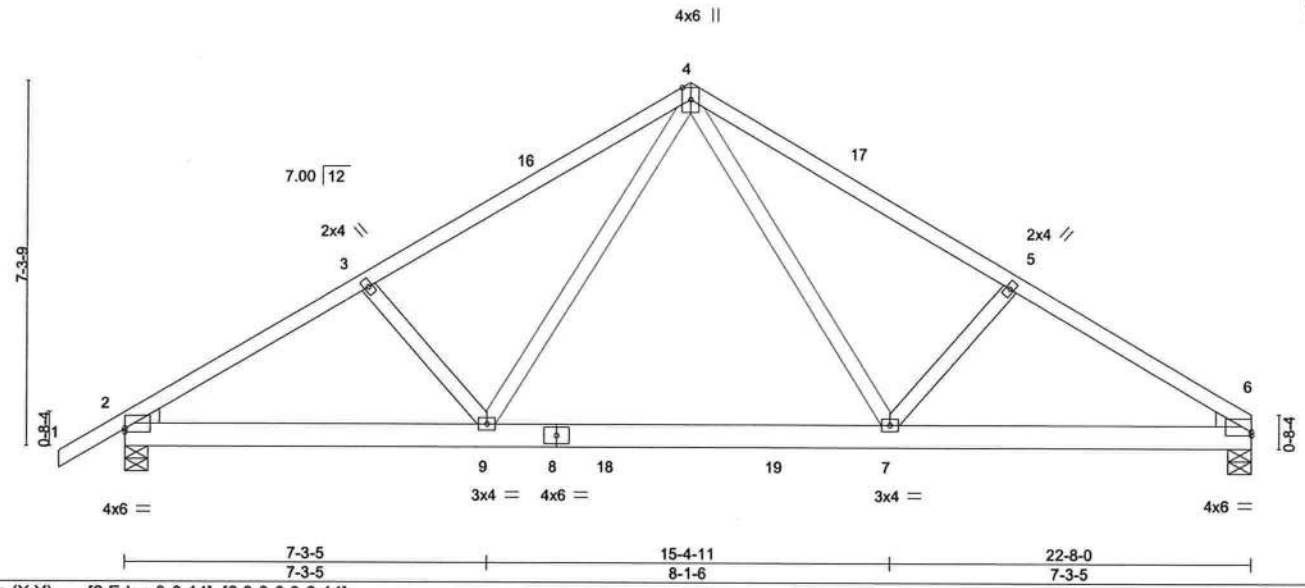
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376817
2584815	T02	Common	3	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:33:53 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-2DckVryCD4?HVWMWkdWpg?H1NV42yMSu?lludczxlzy

-1-4-0	4-10-8	11-4-0	17-9-8	22-8-0
1-4-0	4-10-8	6-5-8	6-5-8	4-10-8

Scale = 1:46.3



7-3-5	15-4-11	22-8-0
7-3-5	8-1-6	7-3-5

Plate Offsets (X,Y)-- [2:Edge,0-0-14], [6:0-0-0,0-0-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.15	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.28	7-9	>967	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 130 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-10 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=152(LC 11)
Max Uplift 6=-222(LC 13), 2=-250(LC 12)
Max Grav 6=1200(LC 20), 2=1269(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1923/384, 3-4=-1779/381, 4-5=-1788/386, 5-6=-1932/388
BOT CHORD 2-9=-375/1708, 7-9=-155/1095, 6-7=-285/1611
WEBS 4-7=-195/881, 5-7=-277/198, 4-9=-190/869, 3-9=-274/196

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-4-0, Exterior(2R) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 22-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 6=222, 2=250.
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, 4-6=-54, 9-13=-20, 7-9=-80(F=-60), 7-10=-20

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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
January 7,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376818
2584815	T02A	COMMON	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:33:54 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-WPA6iBzq_O787gxjlK12DCqlguPYho92EyVS93zxlzx

-1-4-0 | 4-10-8 | 11-4-0 | 17-9-8 | 22-8-0
1-4-0 | 4-10-8 | 6-5-8 | 6-5-8 | 4-10-8

Scale = 1:46.3

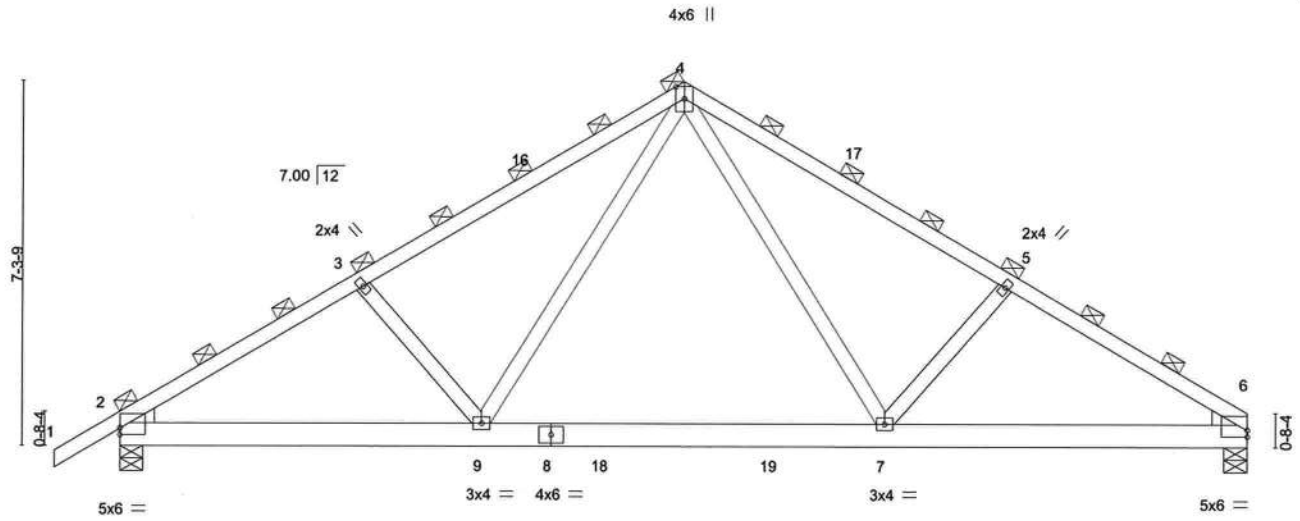


Plate Offsets (X,Y)-- [2:Edge,0-1-10], [6:0-0-0,0-1-10]

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	0.34	Vert(LL)	-0.15	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.28	7-9	>975	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 130 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (5-1-15 max.)
(Switched from sheeted: Spacing > 2-0-0).
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=178(LC 11)
Max Uplift 6=-248(LC 13), 2=-281(LC 12)
Max Grav 6=1360(LC 20), 2=1440(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2163/426, 3-4=-1996/424, 4-5=-2006/429, 5-6=-2173/432
BOT CHORD 2-9=-419/1920, 7-9=-170/1233, 6-7=-313/1808
WEBS 4-7=-215/979, 5-7=-318/229, 4-9=-210/966, 3-9=-314/227

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-4-0, Exterior(2R) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 22-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 6=248, 2=281.
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, 4-6=-63, 9-13=-23, 7-9=-83(F=-60), 7-10=-23

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
January 7,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

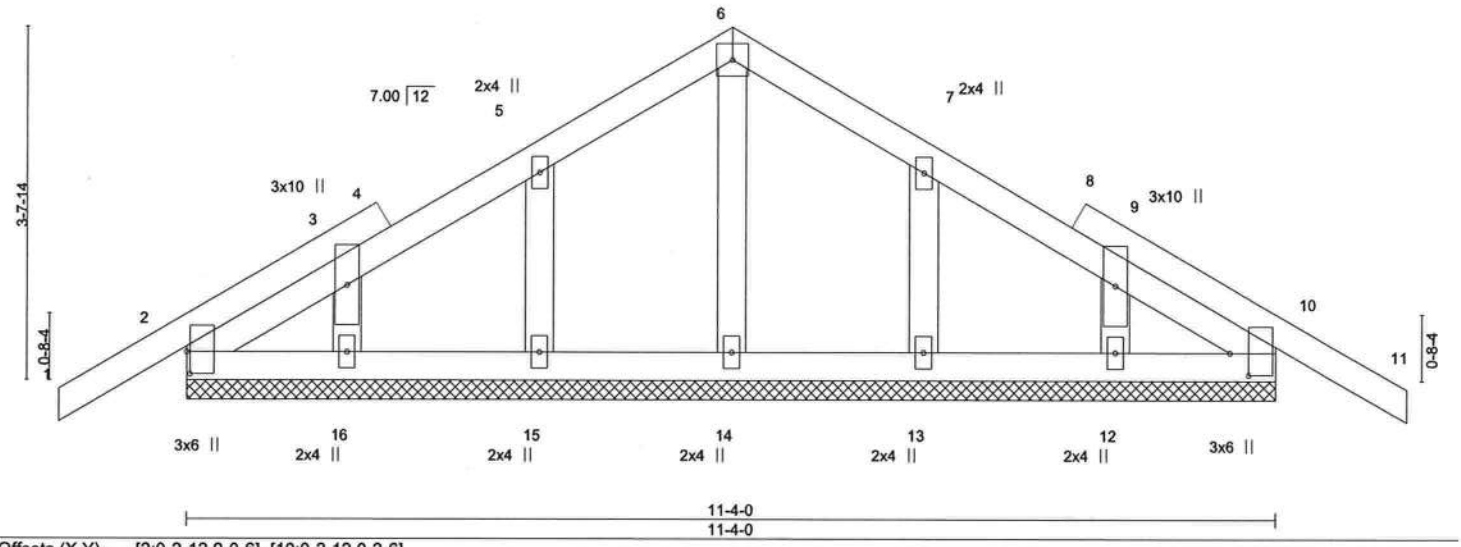
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376819
2584815	T02G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:33:55 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-_bkUvX_SlhF?lqWvr2YHlQNXHlxmQK9BTcE?iVzxlzw

-1-4-0 1-4-0 | 5-8-0 5-8-0 | 11-4-0 5-8-0 | 12-8-0 1-4-0

4x4 =

Scale: 1/2"=1'



11-4-0
11-4-0

Plate Offsets (X,Y)-- [2:0-2-12,0-0-6], [10:0-2-12,0-2-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	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: 61 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 11-4-0.
(lb) - Max Horz 2=80(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 Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 5-8-0, Corner(3R) 5-8-0 to 8-8-0, Exterior(2N) 8-8-0 to 12-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) 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.

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376820
2584815	T03	Common	11	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:33:56 2021 Page 1
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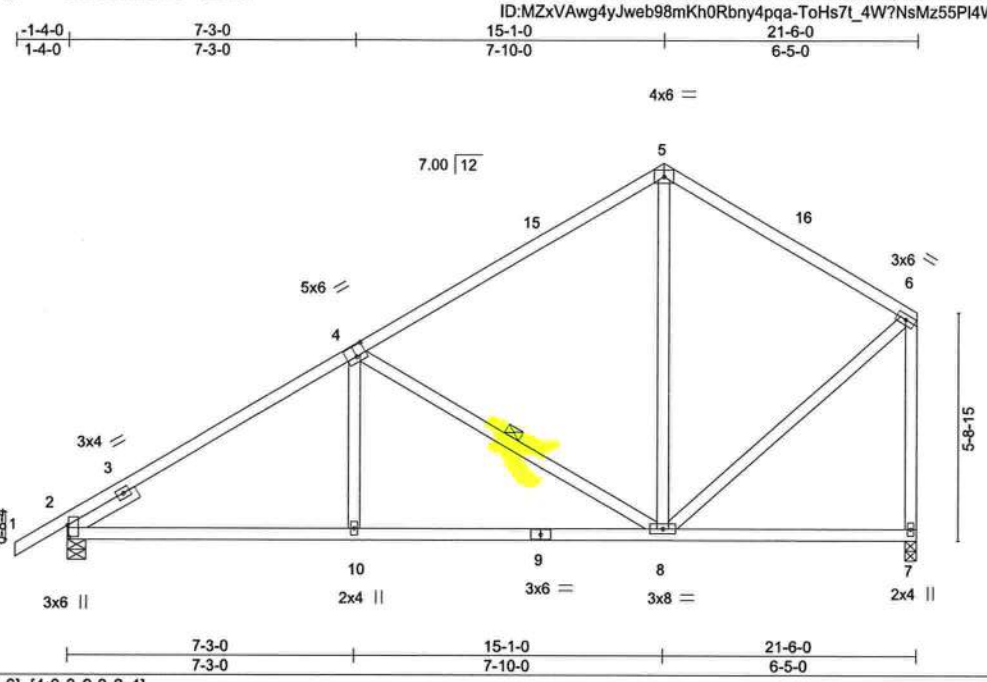

Plate Offsets (X,Y)-- [2:0-3-7,0-0-6], [4:0-3-0,0-3-4]

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	0.63	Vert(LL)	-0.07	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.15	8-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 127 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-5-8, 7=0-3-8
Max Horz 2=247(LC 12)
Max Uplift 2=-176(LC 12), 7=-167(LC 12)
Max Grav 2=864(LC 1), 7=788(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-956/206, 4-5=-586/143, 5-6=-549/158, 6-7=-737/180
BOT CHORD 2-10=-323/913, 8-10=-323/914
WEBS 4-10=0/300, 4-8=-597/265, 5-8=-3/256, 6-8=-123/520

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 15-1-0, Exterior(2R) 15-1-0 to 18-1-0, Interior(1) 18-1-0 to 21-4-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=176, 7=167.

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376821
2584815	T03G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:33:58 2021 Page 1
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-1-4-0 | 15-1-0 | 21-6-0
1-4-0 | 15-1-0 | 6-5-0

Scale = 1:54.2

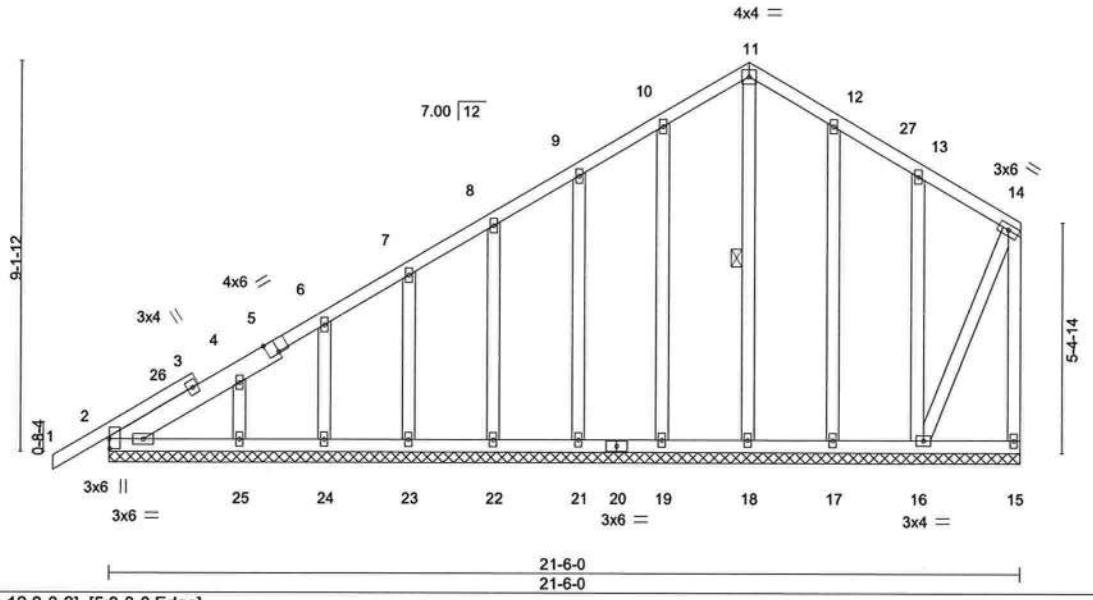

Plate Offsets (X,Y)-- [2:0-2-12,0-0-2], [5:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 167 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 2-5: 2x6 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 15-16.
WEBS	1 Row at midpt 11-18

REACTIONS. All bearings 21-6-0.
(lb) - Max Horz 2=237(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 15, 2, 19, 21, 22, 23, 24, 25, 17 except 16=-121(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 15, 2, 18, 19, 21, 22, 23, 24, 25, 17, 16

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 Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 15-1-0, Corner(3R) 15-1-0 to 18-1-0, Exterior(2N) 18-1-0 to 21-4-4 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) 15, 2, 19, 21, 22, 23, 24, 25, 17 except (jt=lb) 16=121.

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376822
2584815	T04	Common	3	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:33:59 2021 Page 1
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-1-4-0 | 7-3-0 | 15-1-0 | 22-11-0 | 30-2-0 | 31-6-0
1-4-0 | 7-3-0 | 7-10-0 | 7-10-0 | 7-3-0 | 1-4-0

Scale = 1:61.5

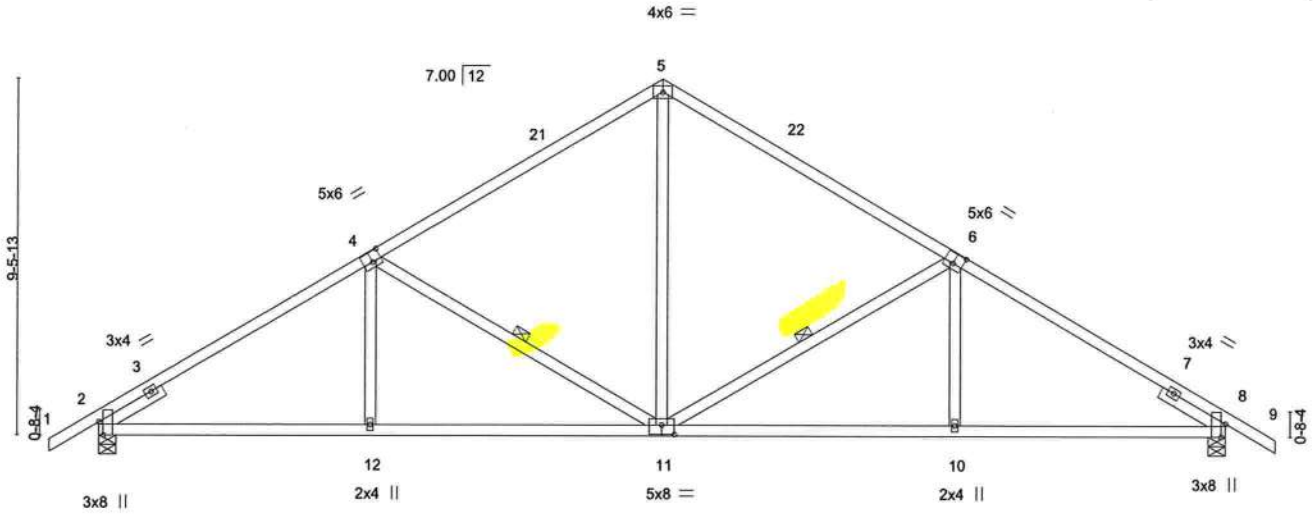

Plate Offsets (X,Y)-- [2:0-4-3,Edge], [4:0-3-0,0-3-4], [6:0-3-0,0-3-4], [8:0-4-3,Edge], [11:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.09	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.22	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 160 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-11, 4-11

REACTIONS. (size) 2=0-5-8, 8=0-5-8
Max Horz 2=-205(LC 10)
Max Uplift 2=-239(LC 12), 8=-239(LC 13)
Max Grav 2=1188(LC 1), 8=1188(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1539/322, 4-5=-1205/281, 5-6=-1205/281, 6-8=-1539/322
BOT CHORD 2-12=-313/1390, 11-12=-313/1390, 10-11=-178/1390, 8-10=-178/1390
WEBS 5-11=-121/704, 6-11=-555/257, 6-10=0/280, 4-11=-554/256, 4-12=0/280

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 15-1-0, Exterior(2R) 15-1-0 to 18-1-0, Interior(1) 18-1-0 to 31-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=239, 8=239.

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376823
2584815	T05	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:34:00 2021 Page 1
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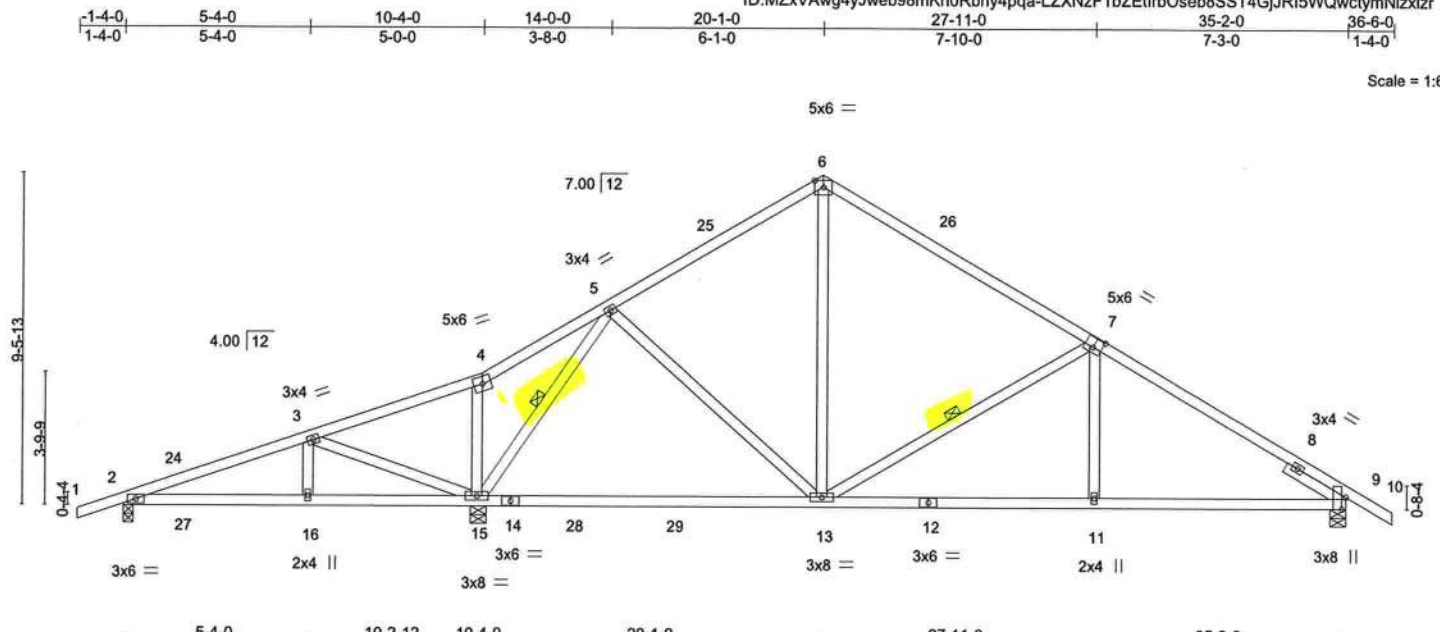

Plate Offsets (X,Y)-- [7:0-3-0,0-3-4], [9:0-4-3,Edge]

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	0.63	Vert(LL)	-0.29	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.48	13-15	>619	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 188 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-8-12 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-15, 7-13

REACTIONS. (size) 2=0-3-8, 15=0-5-8, 9=0-5-8
Max Horz 2=218(LC 11)
Max Uplift 2=-210(LC 8), 15=-314(LC 12), 9=-215(LC 13)
Max Grav 2=339(LC 23), 15=1634(LC 2), 9=1072(LC 20)

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

TOP CHORD	2-3=-308/261, 3-4=-164/415, 4-5=-132/485, 5-6=-824/257, 6-7=-821/247, 7-9=-1283/309
BOT CHORD	2-16=-240/272, 15-16=-240/272, 13-15=-55/476, 11-13=-166/1143, 9-11=-166/1142
WEBS	3-15=-602/448, 5-15=-1238/366, 5-13=-52/372, 6-13=-82/440, 7-13=-673/263, 7-11=0/275

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 20-1-0, Exterior(2R) 20-1-0 to 23-1-0, Interior(1) 23-1-0 to 36-6-0 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) 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=210, 15=314, 9=215.

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376824
2584815	T06	Common	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:34:02 2021 Page 1
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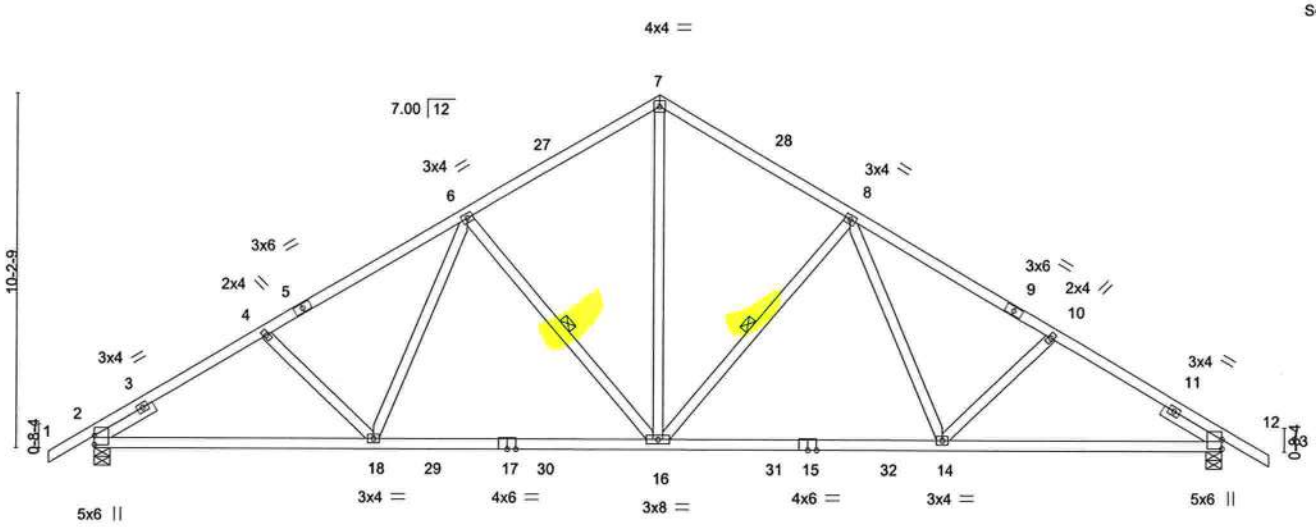
1-4-0	4-11-14	10-9-10	16-4-0	21-10-6	27-8-2	32-8-0	34-0-0
1-4-0	4-11-14	5-9-13	5-6-6	5-6-6	5-9-13	4-11-14	1-4-0

Scale = 1:66.6



8-1-2	16-4-0	24-6-15	32-8-0
8-1-2	8-2-14	8-2-15	8-1-2

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)	-0.21	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.36	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.09	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 188 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-6-0 oc bracing.
WEBS	1 Row at midpt 8-16, 6-16

REACTIONS. (size) 2=0-5-8, 12=0-5-8
Max Horz 2=-220(LC 10)
Max Uplift 2=-257(LC 12), 12=-257(LC 13)
Max Grav 2=1464(LC 19), 12=1464(LC 20)

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

TOP CHORD	2-4=-2120/370, 4-6=-1998/356, 6-7=-1434/318, 7-8=-1433/318, 8-10=-1998/356, 10-12=-2120/370
BOT CHORD	2-18=-383/1928, 16-18=-250/1629, 14-16=-151/1519, 12-14=-235/1763
WEBS	7-16=-209/1149, 8-16=-603/243, 8-14=-63/452, 6-16=-603/242, 6-18=-63/451

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 16-4-0, Exterior(2R) 16-4-0 to 19-4-0, Interior(1) 19-4-0 to 34-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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=257, 12=257.

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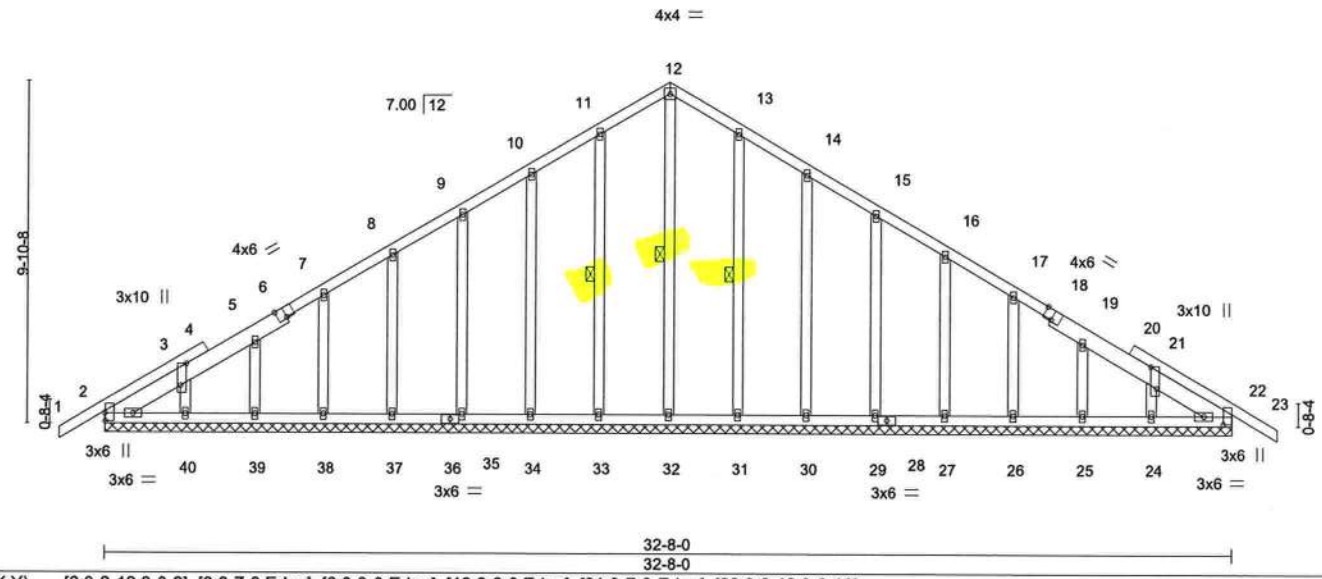
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376825
2584815	T06G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:34:04 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-EKmuoc56dSNjKCietRDOdJE30w0j0N8WXVwzWTzxlzn

1-4-0 | 16-4-0 | 32-8-0 | 34-0-0
1-4-0 | 16-4-0 | 16-4-0 | 1-4-0

Scale = 1:66.7



32-8-0
32-8-0

Plate Offsets (X,Y)-- [2:0-2-12,0-0-2], [3:0-7-8,Edge], [6:0-3-0,Edge], [18:0-3-0,Edge], [21:0-7-8,Edge], [22:0-2-12,0-6-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	-0.00	23	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	23	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	22	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 240 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 2-6,18-22: 2x6 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.
WEBS 1 Row at midpt 12-32, 11-33, 13-31

REACTIONS. All bearings 32-8-0.
(lb) - Max Horz 2=-213(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 33, 34, 35, 37, 38, 39, 40, 31, 30, 29, 27, 26, 25, 24, 22
Max Grav All reactions 250 lb or less at joint(s) 2, 32, 33, 34, 35, 37, 38, 39, 40, 31, 30, 29, 27, 26, 25, 24, 22

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 Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 16-4-0, Corner(3R) 16-4-0 to 19-4-0, Exterior(2N) 19-4-0 to 34-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 33, 34, 35, 37, 38, 39, 40, 31, 30, 29, 27, 26, 25, 24, 22.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

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Date:
January 7,2021

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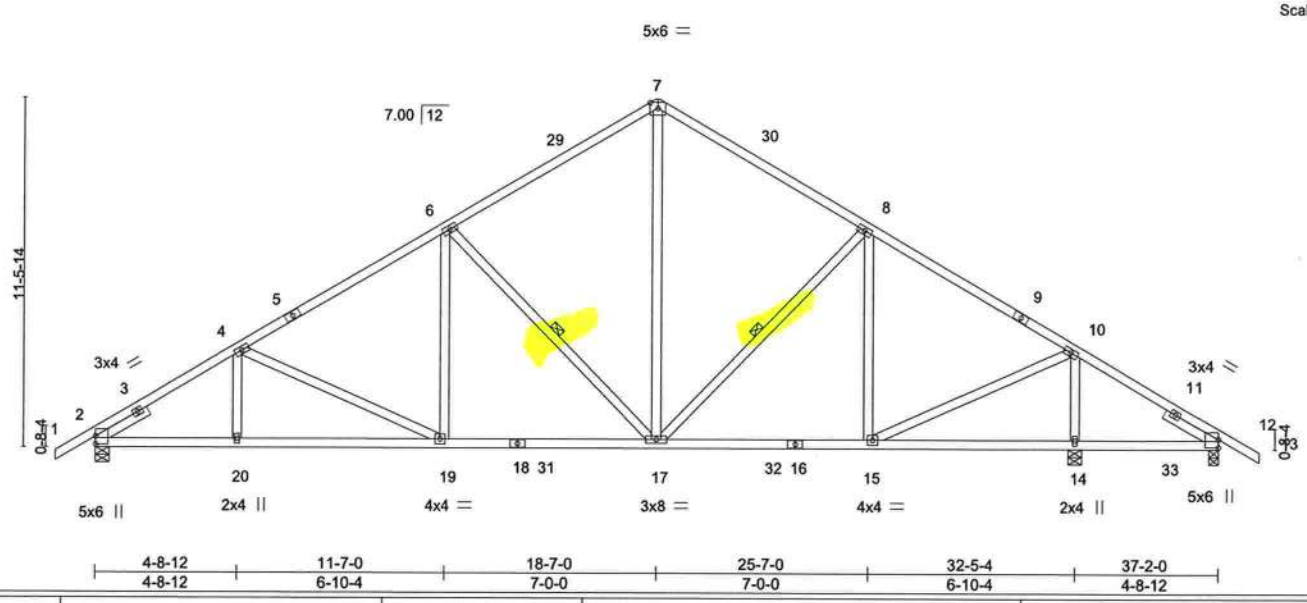
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	
2584815	T07	Common	2	1	Job Reference (optional)	T22376826

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:34:06 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-AjueDI6M94eRZWr0?rFsikKlPkWrUBVp?pP4bMzxlzl

1-4-0	4-8-12	11-7-0	18-7-0	25-7-0	32-5-4	37-2-0	38-6-0
1-4-0	4-8-12	6-10-4	7-0-0	7-0-0	6-10-4	4-8-12	1-4-0

Scale = 1:76.1



4-8-12	11-7-0	18-7-0	25-7-0	32-5-4	37-2-0
4-8-12	6-10-4	7-0-0	7-0-0	6-10-4	4-8-12

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.13	19-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.24	19-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.05	14	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 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -t 1-11-8, Right 2x4 SP No.3 -t 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-17, 8-17

REACTIONS. (size) 2=0-5-8, 14=0-5-8, 12=0-3-8
Max Horz 2=-248(LC 10)
Max Uplift 2=-260(LC 12), 14=-260(LC 13), 12=-116(LC 10)
Max Grav 2=1420(LC 19), 14=1804(LC 20), 12=136(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2084/363, 4-6=-1733/321, 6-7=-1175/305, 7-8=-1181/300, 8-10=-1197/250, 10-12=-41/426
BOT CHORD 2-20=-403/1921, 19-20=-403/1921, 17-19=-257/1584, 15-17=-71/986, 14-15=-291/76, 12-14=-291/76
WEBS 4-19=-370/161, 6-19=-25/457, 6-17=-802/273, 7-17=-164/804, 8-15=-350/112, 10-15=-162/1404, 10-14=-1591/288

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 18-7-0, Exterior(2R) 18-7-0 to 21-7-0, Interior(1) 21-7-0 to 38-6-0 zone; porch 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) All plates are 3x6 MT20 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, 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=260, 14=260, 12=116.

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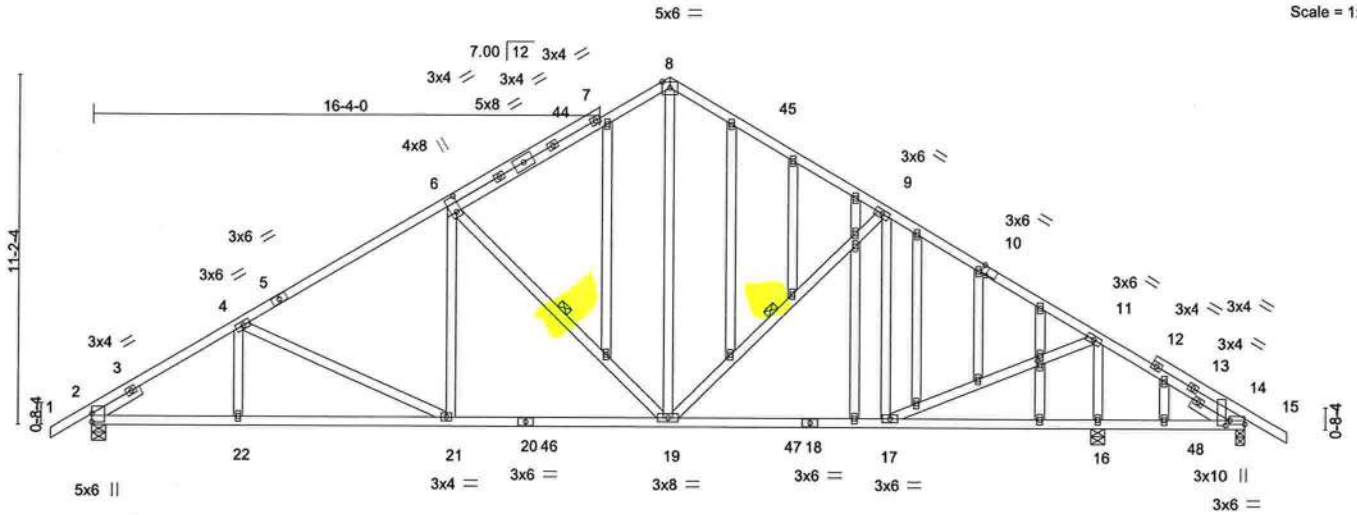
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376827
2584815	T07G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:34:08 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-650Pe_8chhu9op?P6GHKn9Pe7YCUy4G6S7uBfFzxlzj

1-4-0 | 4-8-12 | 11-7-0 | 18-7-0 | 25-7-0 | 32-5-4 | 37-2-0 | 38-6-0
1-4-0 | 4-8-12 | 6-10-4 | 7-0-0 | 7-0-0 | 6-10-4 | 4-8-12 | 1-4-0

Scale = 1:74.0



4-8-12 | 11-7-0 | 18-7-0 | 25-7-0 | 32-5-4 | 32-8-0 | 37-2-0
4-8-12 | 6-10-4 | 7-0-0 | 7-0-0 | 6-10-4 | 0-2-12 | 4-6-0

Plate Offsets (X,Y)-- [6:0-6-0,0-1-12], [10:0-2-3,Edge], [14:0-2-0,0-1-8], [14:Edge,0-1-8], [37:0-1-12,0-1-0]

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	0.54	Vert(LL)	-0.12	21-22	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.23	21-22	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.05	16	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 295 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
SLIDER	Left 2x4 SP No.3 -t 1-9-7, Right 2x4 SP No.3 -t 1-4-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 9-19, 6-19

REACTIONS. (size) 2=0-5-8, 14=0-3-8, 16=0-5-8
Max Horz 2=246(LC 11)
Max Uplift 2=-260(LC 12), 14=-132(LC 25), 16=-279(LC 13)
Max Grav 2=1416(LC 19), 14=106(LC 24), 16=1843(LC 20)

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

TOP CHORD	2-4=-2074/362, 4-6=-1746/323, 6-8=-1178/289, 8-9=-1204/294, 9-11=-1227/233, 11-14=-84/516
BOT CHORD	2-22=-396/1898, 21-22=-396/1898, 19-21=-259/1603, 17-19=-75/1012, 16-17=-385/97, 14-16=-391/98
WEBS	8-19=-157/812, 9-17=-345/114, 11-17=-186/1509, 11-16=-1629/309, 6-19=-805/270, 6-21=-22/436, 4-21=-324/151

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 18-7-0, Exterior(2R) 18-7-0 to 21-7-0, Interior(1) 21-7-0 to 38-6-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=260, 14=132, 16=279.

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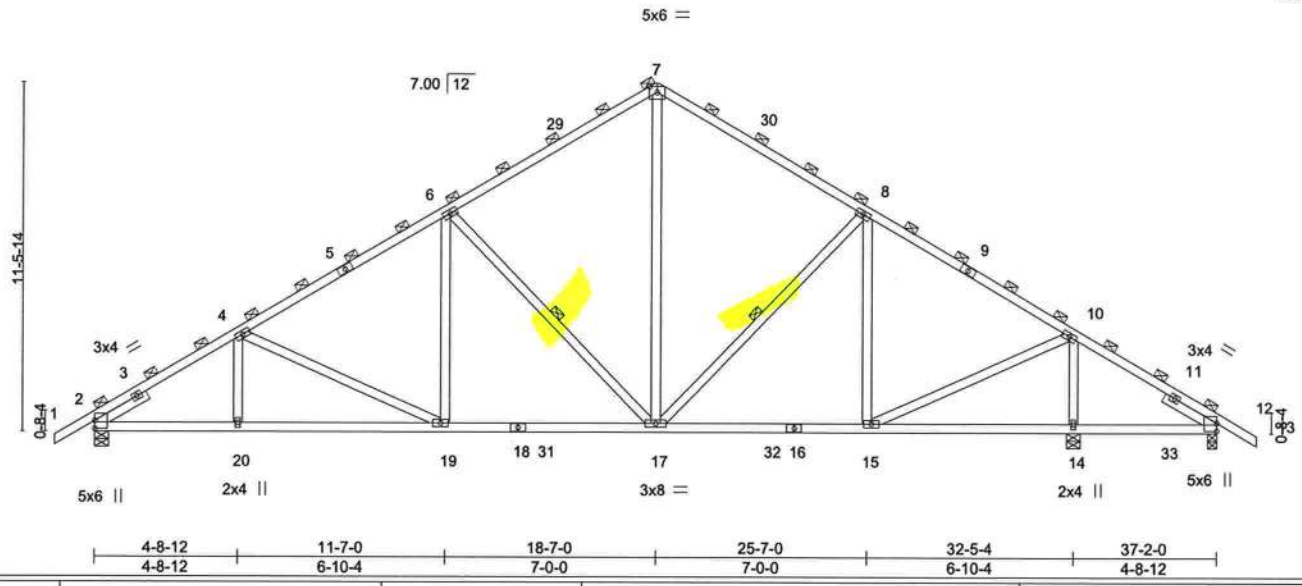
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376828
2584815	T08	COMMON	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:34:10 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-2U893f9sDl8t279nEhKosaUwmLqOQz9PvRNlk7zxlzh

1-4-0	4-8-12	11-7-0	18-7-0	25-7-0	32-5-4	37-2-0	38-6-0
1-4-0	4-8-12	6-10-4	7-0-0	7-0-0	6-10-4	4-8-12	1-4-0

Scale = 1:76.1



4-8-12	11-7-0	18-7-0	25-7-0	32-5-4	37-2-0
4-8-12	6-10-4	7-0-0	7-0-0	6-10-4	4-8-12

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	0.78	Vert(LL)	-0.15	19-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.28	19-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.06	14	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	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -t 1-11-8, Right 2x4 SP No.3 -t 1-11-8

BRACING-

TOP CHORD	2-0-0 oc purlins (2-10-11 max.) (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-17, 8-17

REACTIONS. (size) 2=0-5-8, 14=0-5-8, 12=0-3-8
Max Horz 2=-289(LC 10)
Max Uplift 2=-303(LC 12), 14=-304(LC 13), 12=-135(LC 10)
Max Grav 2=1657(LC 19), 14=2104(LC 20), 12=159(LC 24)

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

TOP CHORD	2-4=-2432/423, 4-6=-2022/375, 6-7=-1371/355, 7-8=-1378/350, 8-10=-1397/291, 10-12=-48/498
BOT CHORD	2-20=-470/2241, 19-20=-470/2241, 17-19=-299/1848, 15-17=-83/1151, 14-15=-339/88, 12-14=-339/88
WEBS	4-19=-432/187, 6-19=-30/533, 6-17=-936/319, 7-17=-191/938, 8-15=-409/130, 10-15=-188/1638, 10-14=-1857/335

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 18-7-0, Exterior(2R) 18-7-0 to 21-7-0, Interior(1) 21-7-0 to 38-6-0 zone; porch 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) All plates are 3x6 MT20 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, 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=303, 14=304, 12=135.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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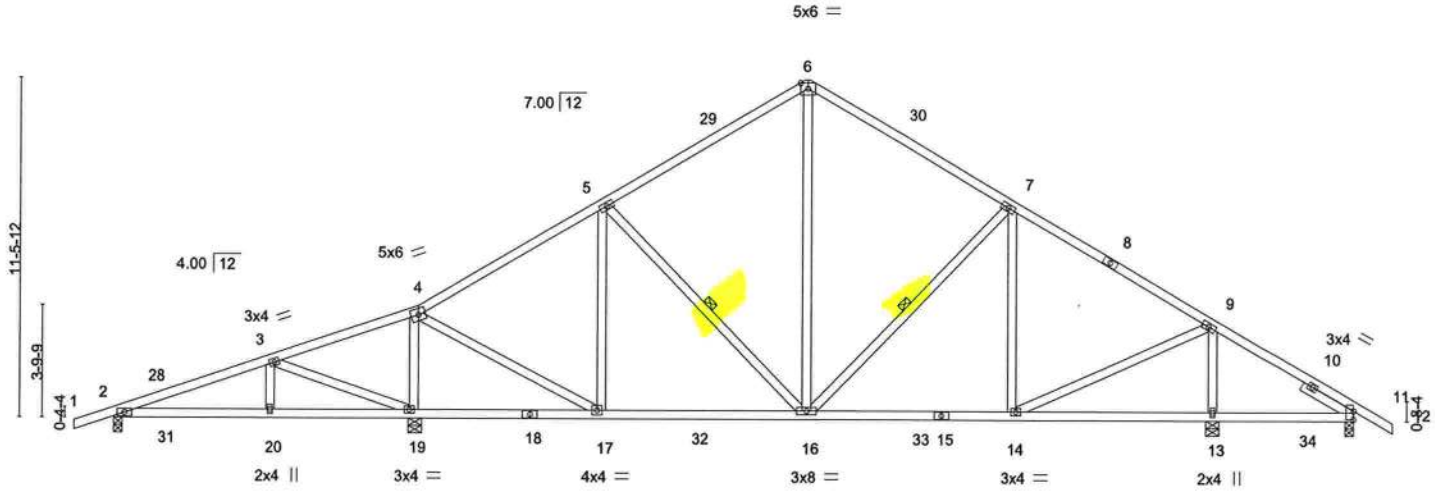
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376829
2584815	T09	Roof Special	7	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:34:11 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-WghXG?AV_cGkfHk_nPr1Po19alHw9TuY856rGZzxlzg

1-4-0	5-4-0	10-4-0	16-7-0	23-7-0	30-7-0	37-5-4	42-2-0	43-6-0
1-4-0	5-4-0	5-0-0	6-3-0	7-0-0	7-0-0	6-10-4	4-8-12	1-4-0

Scale = 1:78.2



5-4-0	10-2-12	10-4-0	16-7-0	23-7-0	30-7-0	37-5-4	42-2-0
5-4-0	4-10-12	0-1-4	6-3-0	7-0-0	7-0-0	6-10-4	4-8-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.07	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.13	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 246 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-6-3 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-16, 7-16

REACTIONS. All bearings 0-3-8 except (jt=length) 19=0-5-8, 13=0-5-8.
(lb) - Max Horz 2=261(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 11 except 2=-221(LC 8), 19=-351(LC 12), 13=-226(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 11 except 2=342(LC 23), 19=1706(LC 2), 13=1386(LC 20)

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

TOP CHORD	2-3=-323/291, 3-4=-190/458, 4-5=-901/223, 5-6=-877/318, 6-7=-847/313, 7-9=-1027/281
BOT CHORD	2-20=-235/305, 19-20=-235/305, 17-19=-332/222, 16-17=-96/824, 14-16=-63/819
WEBS	3-19=-661/418, 4-19=-1280/379, 4-17=-244/1133, 5-17=-355/168, 6-16=-134/495, 7-16=-296/192, 9-14=-78/936, 9-13=-1187/279

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 23-7-0, Exterior(2R) 23-7-0 to 26-7-0, Interior(1) 26-7-0 to 43-6-0 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are 3x6 MT20 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=221, 19=351, 13=226.

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376830
2584815 *	T10	Roof Special	3	1	Job Reference (optional)	

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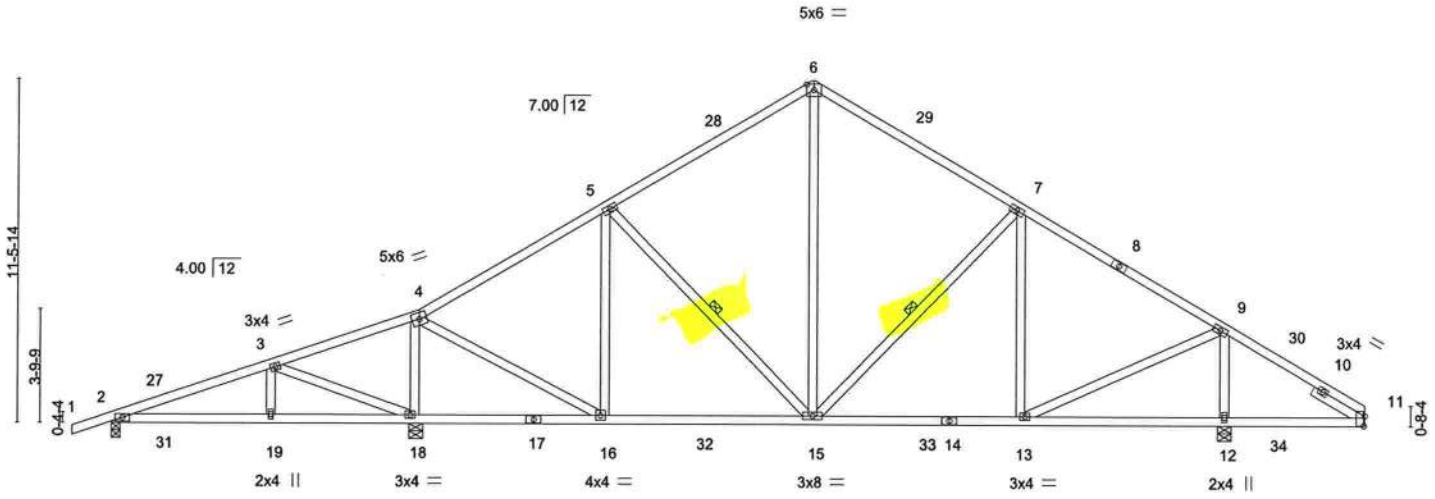
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-?tFvULB7kvObHRJAL6MGx?aKN9dFuwFhNlsPo0zxlzf

1-4-0	5-4-0	10-4-0	16-7-0	23-7-0	30-7-0	37-5-4	42-2-0
1-4-0	5-4-0	5-0-0	6-3-0	7-0-0	7-0-0	6-10-4	4-8-12

Scale = 1:77.3



5-4-0	10-2-12	10-4-0	16-7-0	23-7-0	30-7-0	37-5-4	37-8-0	42-2-0
5-4-0	4-10-12	0-1-4	6-3-0	7-0-0	7-0-0	6-10-4	0-2-12	4-6-0

Plate Offsets (X,Y)-- [11:0-3-15,0-0-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.07	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.13	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 244 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-15, 7-15

REACTIONS. (size) 2=0-3-8, 18=0-5-8, 12=0-5-8
Max Horz 2=259(LC 9)
Max Uplift 2=-219(LC 8), 18=-352(LC 12), 12=-280(LC 13)
Max Grav 2=342(LC 23), 18=1686(LC 2), 12=1517(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-323/285, 3-4=-194/449, 4-5=-881/199, 5-6=-851/285, 6-7=-822/294, 7-9=-967/242, 9-11=-144/291
BOT CHORD 2-19=-239/296, 18-19=-239/296, 16-18=-332/207, 15-16=-104/803, 13-15=-44/766
WEBS 3-18=-661/418, 4-18=-1260/371, 4-16=-248/1115, 5-16=-345/169, 6-15=-115/469, 7-15=-252/174, 9-13=-185/1022, 9-12=-1304/400

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 23-7-0, Exterior(2R) 23-7-0 to 26-7-0, Interior(1) 26-7-0 to 42-2-0 zone; cantilever right exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are 3x6 MT20 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, 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=219, 18=352, 12=280.

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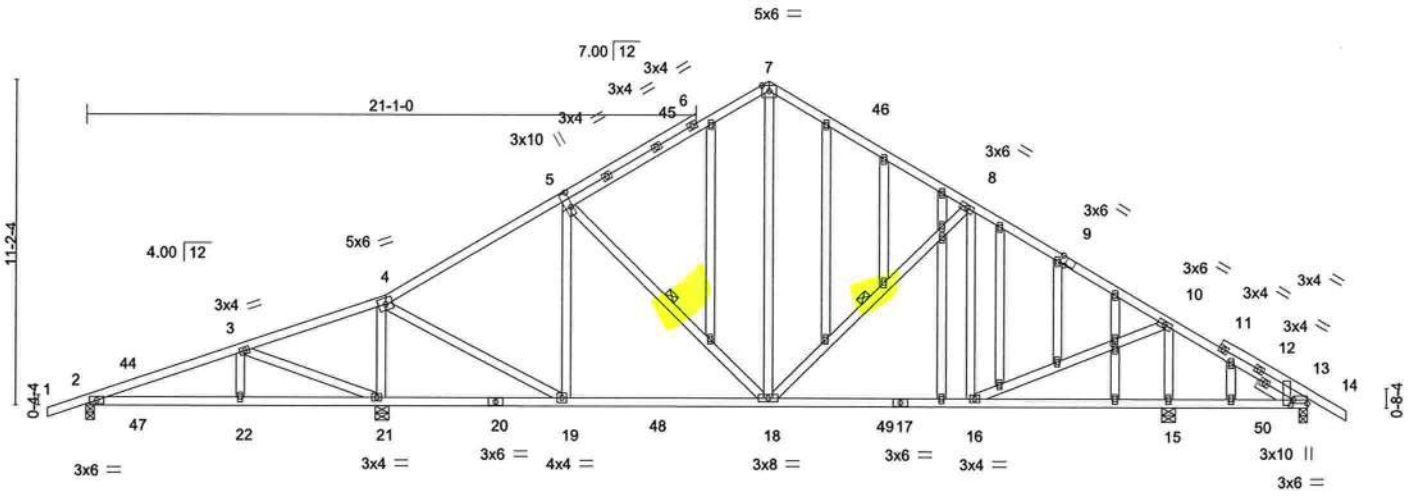
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376831
2584815	T10G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:34:16 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-teVQJjEdo8u0m2cxayQC6rk0Hm?Aqk2HINqcxnzxlzb

1-4-0	5-4-0	10-4-0	16-7-0	23-7-0	30-7-0	37-5-4	42-2-0
1-4-0	5-4-0	5-0-0	6-3-0	7-0-0	7-0-0	6-10-4	4-8-12

Scale = 1:79.5



5-4-0	10-2-12	10-4-0	16-7-0	23-7-0	30-7-0	37-5-4	37-8-0	42-2-0
5-4-0	4-10-12	0-1-4	6-3-0	7-0-0	7-0-0	6-10-4	0-2-12	4-6-0

Plate Offsets (X,Y)-- [5:0-6-8,0-0-12], [9:0-2-3,Edge], [13:0-2-4,0-1-4], [13:Edge,0-1-8], [38:0-1-12,0-1-0]

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	0.53	Vert(LL)	-0.07	18-19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.13	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	15	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 316 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
SLIDER	Right 2x4 SP No.3 -t 1-4-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-5-2 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-18, 8-18

REACTIONS. All bearings 0-3-8 except (jt=length) 21=0-5-8, 15=0-5-8.
(lb) - Max Horz 2=259(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 13 except 2=-220(LC 8), 21=-351(LC 12), 15=-246(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 13 except 2=339(LC 23), 21=1699(LC 2), 15=1409(LC 20)

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

TOP CHORD	2-3=-314/289, 3-4=-193/462, 4-5=-898/212, 5-7=-877/301, 7-8=-860/303, 8-10=-1052/263
BOT CHORD	2-22=-232/296, 21-22=-232/296, 19-21=-335/221, 18-19=-93/827, 16-18=-59/839
WEBS	3-21=-661/418, 4-21=-1273/373, 4-19=-247/1150, 5-19=-363/169, 7-18=-120/495, 8-18=-308/187, 10-16=-130/996, 10-15=-1216/320

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(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 23-7-0, Exterior(2R) 23-7-0 to 26-7-0, Interior(1) 26-7-0 to 43-6-0 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 13 except (jt=lb) 2=220, 21=351, 15=246.

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	T22376832
2504815	T11G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:34:17 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-Lq3oX3FGZS0tNCB88fyRe3HIbASuZHYQW1Z9TDzxlza

-1-4-0 | 3-11-0 | 7-10-0 | 9-2-0
1-4-0 | 3-11-0 | 3-11-0 | 1-4-0

Scale = 1:20.1

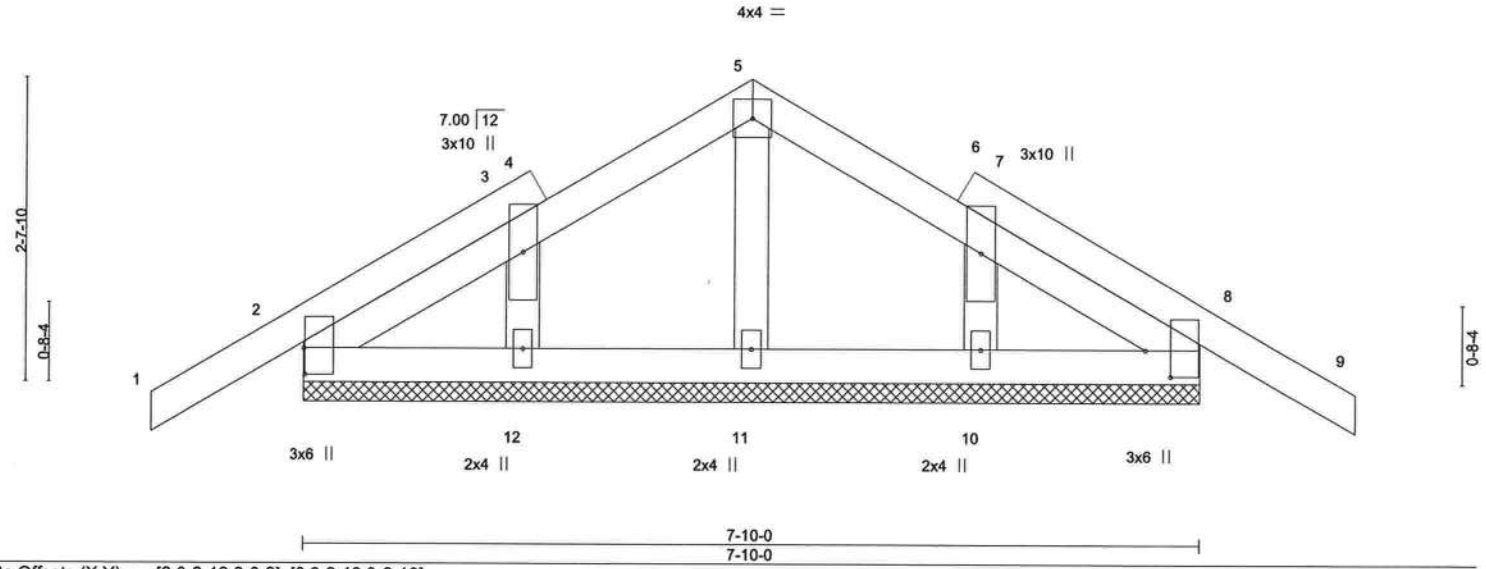

Plate Offsets (X,Y)-- [2:0-2-12,0-0-2], [8:0-2-12,0-2-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	8	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 7-10-0.
(lb) - Max Horz 2=-58(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11, 12, 10

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 Corner(3E) -1-4-0 to 1-11-0, Exterior(2N) 1-11-0 to 3-11-0, Corner(3R) 3-11-0 to 6-11-0, Exterior(2N) 6-11-0 to 9-2-0 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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, 8, 12, 10.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

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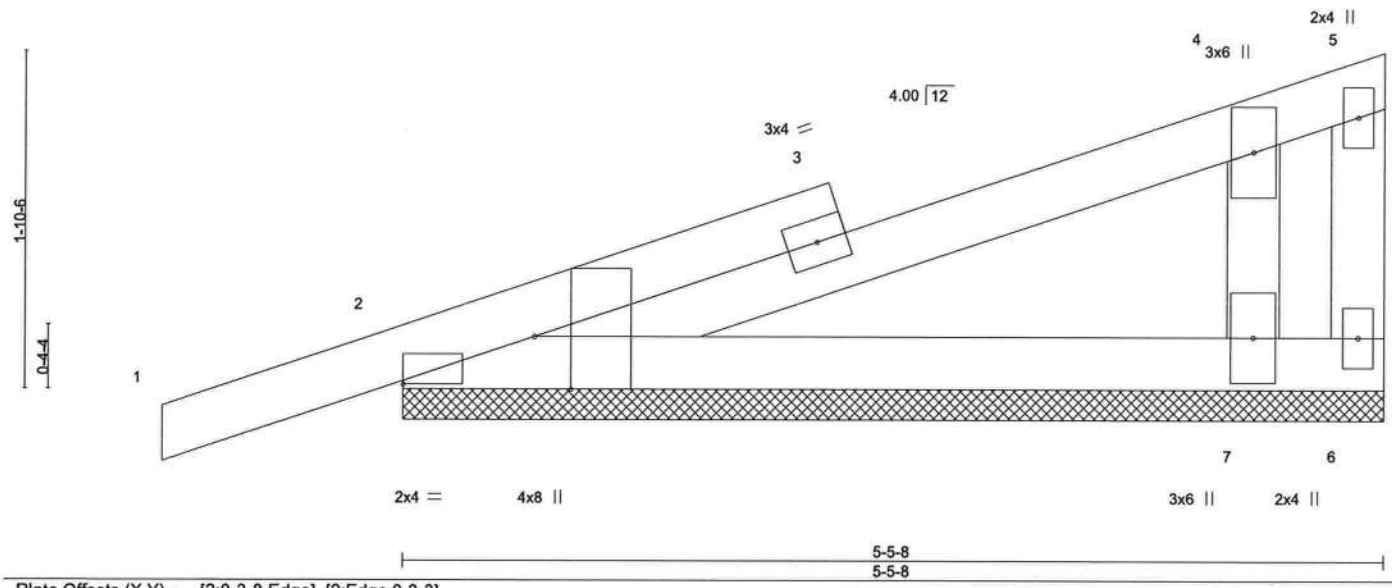
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.
2584815 *	T12G	Monopitch Supported Gable	2	1	T22376833
					Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:34:18 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-p0cBkOFuKl8k?MmKiNTgBGqRVZkTliEalhJj0fzxlzZ

-1-4-0 1-4-0 | 5-5-8 5-5-8

Scale = 1:12.8



5-5-8 5-5-8

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

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	0.22	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-P							Weight: 25 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 5-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=5-5-8, 6=5-5-8, 7=5-5-8
Max Horz 2=68(LC 8)
Max Uplift 2=-87(LC 8), 6=-216(LC 1), 7=-111(LC 12)
Max Grav 2=228(LC 1), 6=45(LC 12), 7=453(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-7=-304/456

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 Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 5-3-12 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
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
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 except (jt=lb) 6=216, 7=111.

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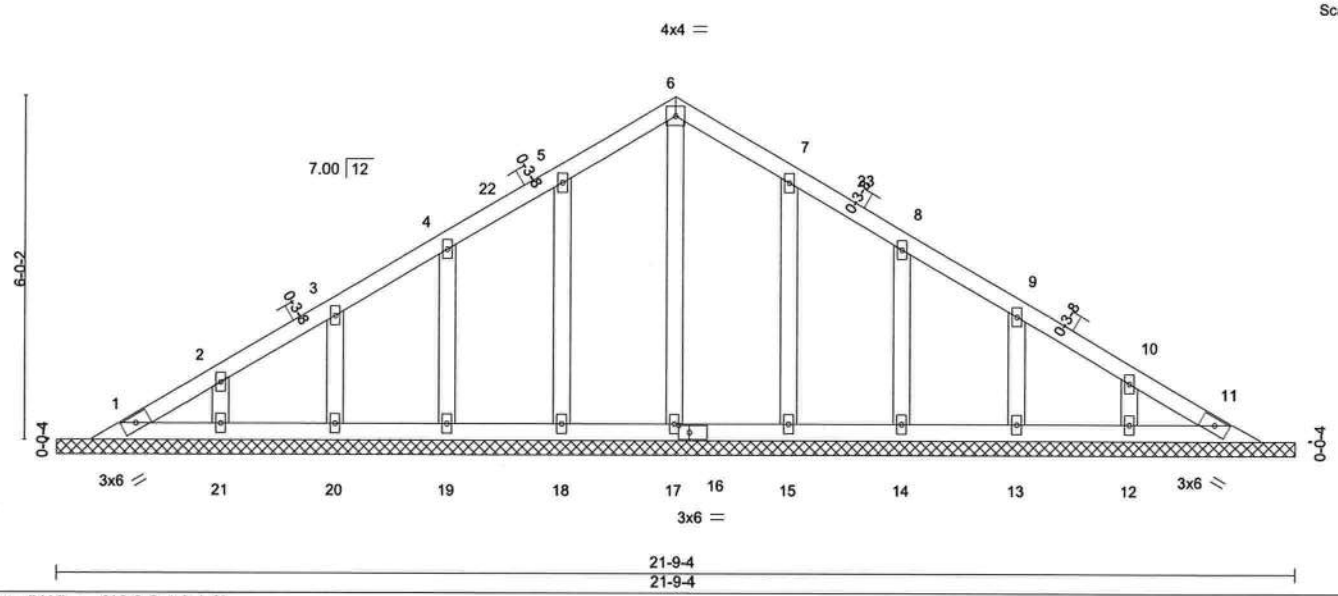
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - FISHER RES.	
2504815	V01	GABLE	1	1		T22376834
					Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Thu Jan 7 11:34:19 2021 Page 1
ID:MZxVAwg4yJweb98mKh0Rbny4pqa-HDAZykGW53GbdWLWF4_vjUMf3z7M1Bdj_L2GY6zxlzY

10-10-10 / 10-10-10 | 21-9-4 / 10-10-10

Scale = 1:40.4



21-9-4 / 21-9-4

Plate Offsets (X,Y)-- [16:0-2-4,0-1-8]

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	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 103 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 21-9-4.
(lb) - Max Horz 1=-122(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 18, 19, 20, 21, 15, 14, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 1, 11, 17, 18, 19, 20, 21, 15, 14, 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(2E) 1-1-7 to 4-1-7, Interior(1) 4-1-7 to 10-10-10, Exterior(2R) 10-10-10 to 13-10-10, Interior(1) 13-10-10 to 20-7-13 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) All plates are 2x4 MT20 unless otherwise indicated.
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) 1, 11, 18, 19, 20, 21, 15, 14, 13, 12.

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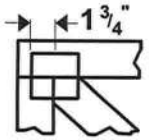
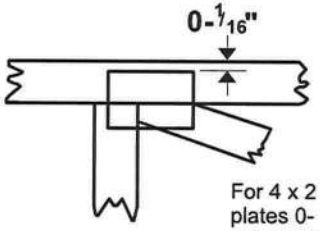
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

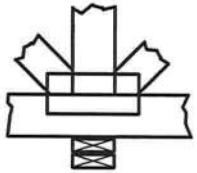
4 x 4

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

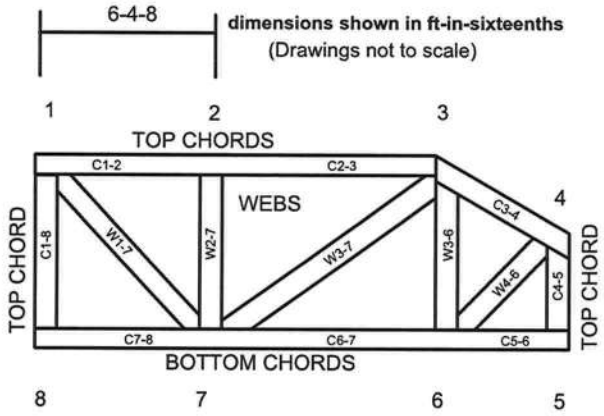


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

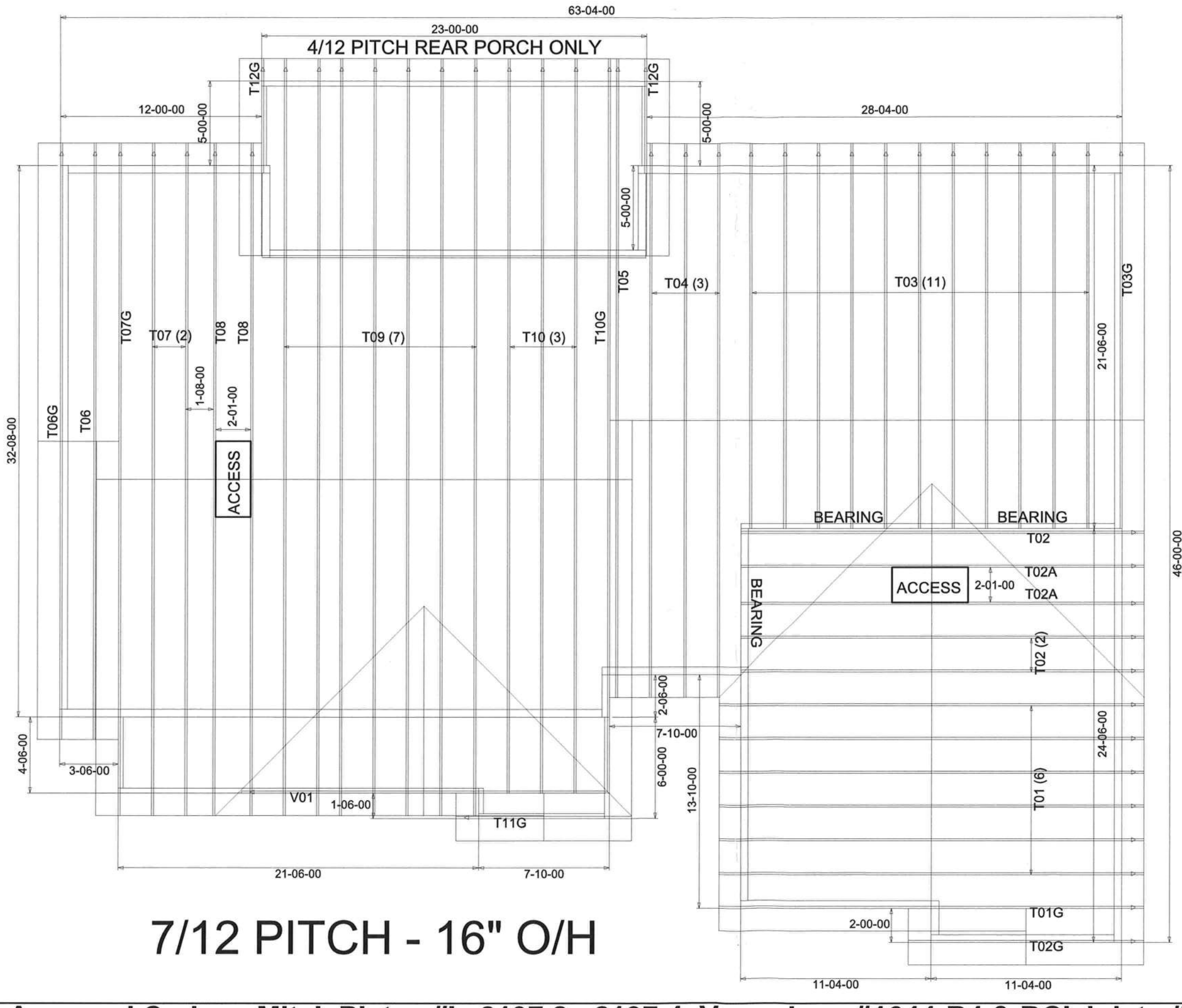
MiTek®

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.



7/12 PITCH - 16" O/H

FL Approval Codes - Mitek Plates #'s 2197.2 - 2197.4, Versa-Lam #1644-R4 & BCI Joists #1392-R4

BEARING HEIGHT SCHEDULE

	9' 1-1/8"

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.
3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
7) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

Builders FirstSource

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

Tampa
PHONE: 813-621-9831 FAX: 813-628-8956

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

BUILDER:	CHRISMILL HOMES
LEGAL ADDRESS:	FISHER RES.
MODEL:	Revision: / Rev. By:
DATE: 12-27-20	DRAWN BY: KLH
Original Reference #:	2584815
1st Level Job #:	2nd Level Job #:
Roof Job #:	2584815

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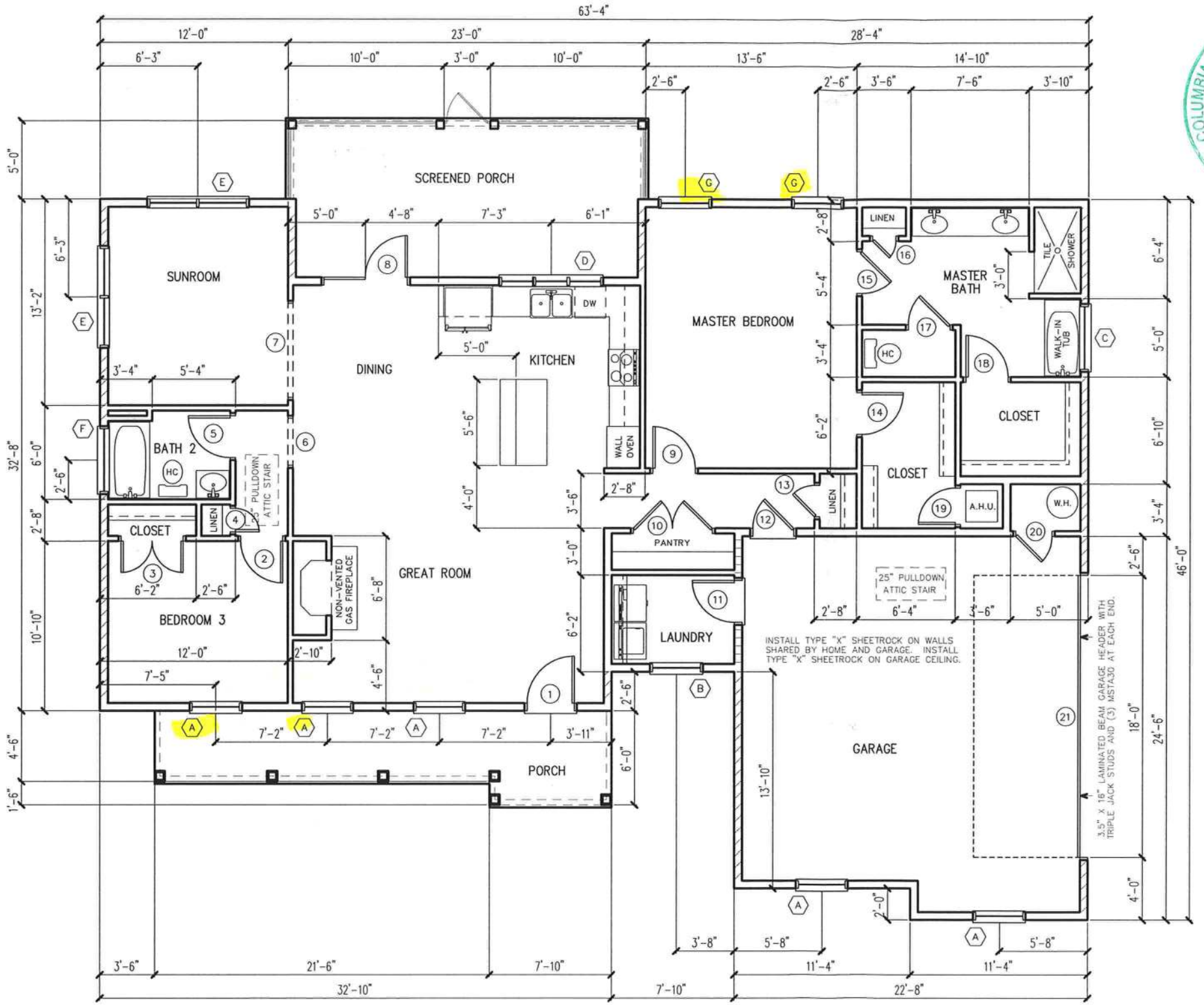

EXTERIOR SHEAR WALLS

INTERIOR SHEAR WALLS

FLOOR PLAN

SCALE: 1/8" = 1'-0"

DOOR SCHEDULE

MARK	WIDTH	HEIGHT	REMARKS
1	3'-0"	6'-8"	SOLID CORE F.G. DOOR
2	2'-8"	6'-8"	HOLLOW CORE DOOR
3	4'-0"	6'-8"	BI-HINGE DOOR UNIT
4	1'-6"	6'-8"	HOLLOW CORE DOOR
5	2'-8"	6'-8"	HOLLOW CORE DOOR
6	3'-0"	6'-8"	CASED OPENING
7	6'-0"	6'-8"	CASED OPENING
8	5'-4"	6'-8"	DOUBLE FULL LITE METAL
9	2'-8"	6'-8"	HOLLOW CORE DOOR
10	5'-0"	6'-8"	BI-HINGE DOOR UNIT
11	2'-8"	6'-8"	SOLID CORE METAL DOOR
12	2'-8"	6'-8"	SOLID CORE METAL DOOR
13	2'-0"	6'-8"	HOLLOW CORE DOOR
14	2'-8"	6'-8"	HOLLOW CORE DOOR
15	2'-8"	6'-8"	HOLLOW CORE DOOR
16	1'-6"	6'-8"	HOLLOW CORE DOOR
17	2'-8"	6'-8"	HOLLOW CORE DOOR
18	2'-8"	6'-8"	HOLLOW CORE DOOR
19	2'-4"	6'-8"	HOLLOW CORE DOOR
20	2'-4"	6'-8"	HOLLOW CORE DOOR
21	18'-0"	7'-0"	OVERHEAD GARAGE DOOR
22	2'-8"	6'-8"	SCREENED DOOR

WINDOW SCHEDULE

MARK	WIDTH	HEIGHT	EGRESS	REMARKS
A	3'-0"	6'-0"	***	SINGLE UNIT-SINGLE HUNG
B	3'-0"	3'-0"		SINGLE UNIT-TEMPERED
C	4'-0"	4'-0"		PICTURE UNIT-TEMPERED-OBS
D	2'-0"	3'-0"		TRIPLE UNIT-SINGLE HUNG
E	3'-0"	5'-0"		DOUBLE UNIT-SINGLE HUNG
F	4'-0"	0'-10"		PICTURE UNIT-CLEAR
G	3'-0"	5'-2"	***	SINGLE UNIT-SINGLE HUNG

*** MEETS FBCR 310.21 NET CLEAR OPENING REQUIREMENTS

WINDOWS AND DOORS SHALL BE LABELED TO BE IN ACCORDANCE WITH CURRENT WIND LOAD PRESSURE OF -40 PSF

These plans comply with 2020 Florida Building Code, 130 mph Load (3 sec. gust)

John K. Gentry, P.E.#16990
P.O. Box 1034
Perry, FL 32348
(850) 672-0145

DATE: 12-15-2020

PAGE 1 OF 10

SQUARE FOOTAGE

HEATED	1675 S.F.
GARAGE	546 S.F.
PORCH	368 S.F.
TOTAL	2589 S.F.

Greg & Gloria Fisher
224 SW Fordham Glen
Fort White, FL 32038