#73

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

RE: 2719016 - MCCALL RES.

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

Site Information:
Customer Info: James R. & Tiffany McCall Project Name: McCall Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 341 SW Courage Court, N/A
City: Columbia Cty State: FL

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: 55.0 psf

This package includes 24 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	T25257175	F01	9/7/21	23	T25257197	TFG01	9/7/21
2	T25257176	F02	9/7/21	24	T25257198	TFG02	9/7/21
3	T25257177	F03	9/7/21				
4	T25257178	F04	9/7/21				
5	T25257179	F05	9/7/21				
6	T25257180	F07	9/7/21				
7	T25257181	KW1	9/7/21				
8	T25257182	KW3	9/7/21				
9	T25257183	PB01	9/7/21				
10	T25257184	PB01G	9/7/21				
11	T25257185	T06	9/7/21				
12	T25257186	T06G	9/7/21				
13	T25257187	T07	9/7/21				
14	T25257188	T07G	9/7/21				
15	T25257189	T08	9/7/21				
16	T25257190	T08G	9/7/21				
17	T25257191	T09	9/7/21				
18	T25257192	T09G	9/7/21				
19	T25257193	T10	9/7/21				
20	T25257194	T10G	9/7/21				
21	T25257195	T11	9/7/21				
22	T25257196	T11G	9/7/21				

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-Lake City, FL.

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2023.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 7,2021

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.

Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	F01	Floor	12	1	T25257175
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:40 2021 Page 1
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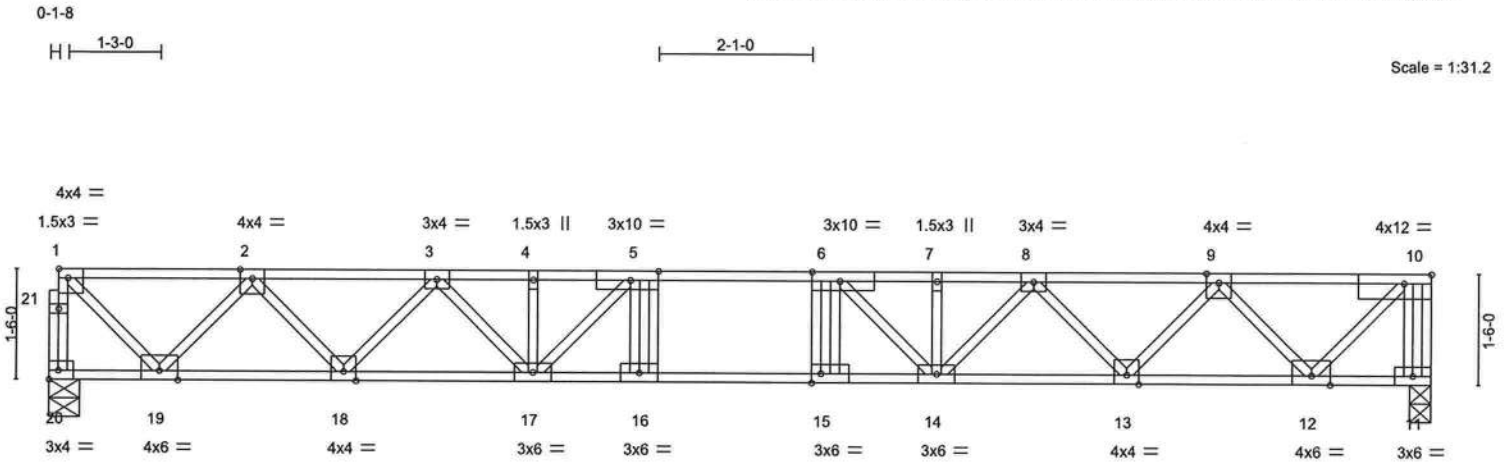

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-4-8,Edge], [6:0-4-8,Edge], [10:0-4-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.79	Vert(LL)	-0.21	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.54	Vert(CT)	-0.29	14-15	>773	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code FBC2020/TPI2014		Matrix-S							Weight: 111 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (size) 20=0-5-0, 11=0-3-8
Max Grav 20=1006(LC 1), 11=1012(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-1000/0, 10-11=-1005/0, 1-2=-902/0, 2-3=-2230/0, 3-4=-3073/0, 4-5=-3073/0, 5-6=-3346/0, 6-7=-3088/0, 7-8=-3088/0, 8-9=-2258/0, 9-10=-938/0
BOT CHORD 18-19=0/1700, 17-18=0/2735, 16-17=0/3345, 15-16=0/3346, 14-15=0/3346, 13-14=0/2754, 12-13=0/1736
WEBS 10-12=0/1298, 1-19=0/1240, 9-12=-1186/0, 2-19=-1186/0, 9-13=0/775, 2-18=0/788, 8-13=-738/0, 3-18=-751/0, 8-14=0/484, 3-17=0/489, 6-14=-683/48, 5-17=-697/34

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

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Date:
September 7,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	F02	Floor	2	1	T25257176
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:41 2021 Page 1
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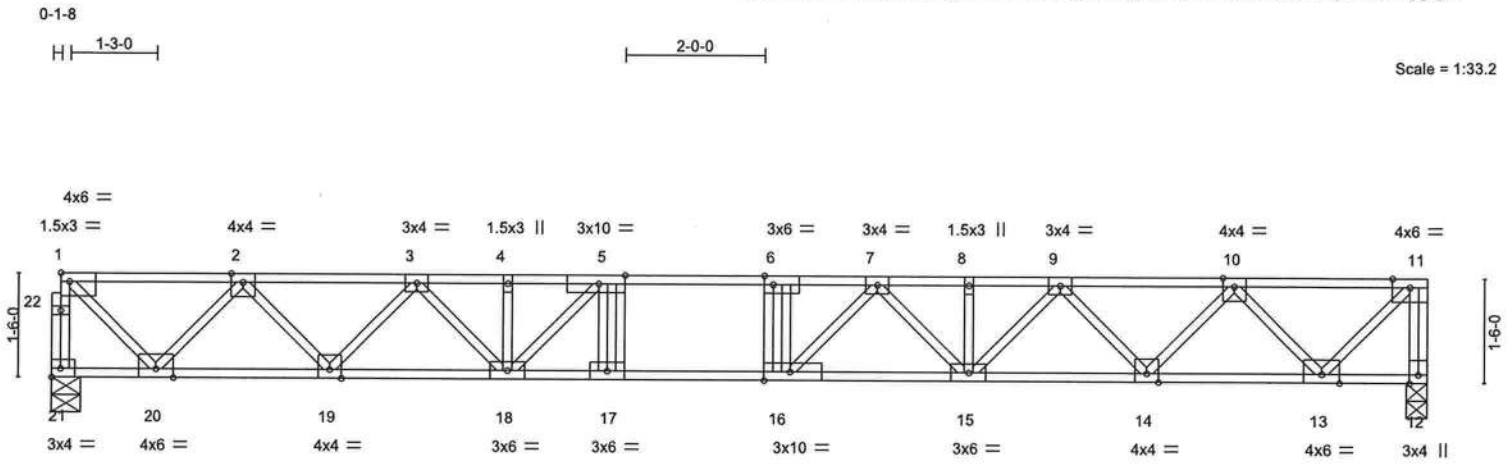

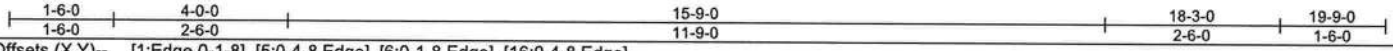

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-4-8,Edge], [6:0-1-8,Edge], [16:0-4-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	-0.26	15-16	>889	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.36	15-16	>658	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code FBC2020/TPI2014		Matrix-S							Weight: 115 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

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) 21=0-5-0, 12=0-3-8
Max Grav 21=1066(LC 1), 12=1072(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-1060/0, 11-12=-1067/0, 1-2=-962/0, 2-3=-2403/0, 3-4=-3345/0, 4-5=-3345/0, 5-6=-3752/0, 6-7=-3748/0, 7-8=-3369/0, 8-9=-3369/0, 9-10=-2399/0, 10-11=-962/0
BOT CHORD 19-20=0/1816, 18-19=0/2960, 17-18=0/3750, 16-17=0/3752, 15-16=0/3638, 14-15=0/2963, 13-14=0/1817
WEBS 11-13=0/1360, 1-20=0/1323, 10-13=-1271/0, 2-20=-1269/0, 10-14=0/866, 2-19=0/873, 9-14=-839/0, 3-19=-829/0, 9-15=0/588, 3-18=0/557, 7-15=-401/0, 5-18=-860/0, 7-16=-178/535, 6-16=-277/13

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

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Date:
September 7,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	F03	Floor	6	1	T25257177
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:42 2021 Page 1
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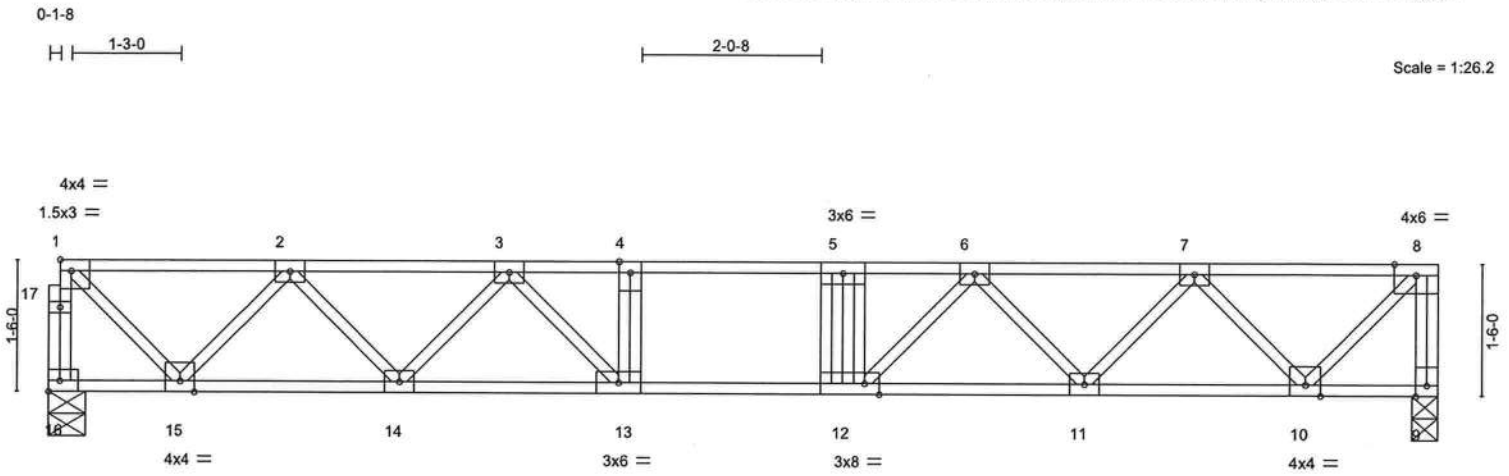

1-6-0	4-0-0	9-3-8	11-9-8	14-3-8	15-9-8
1-6-0	2-6-0	5-3-8	2-6-0	2-6-0	1-6-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.73	Vert(LL)	-0.18	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.22	11-12	>849	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2020/TPI2014		Matrix-S							Weight: 91 lb	FT = 20%F, 11%E

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

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

REACTIONS. (size) 16=0-5-0, 9=0-3-8
Max Grav 16=849(LC 1), 9=855(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-844/0, 8-9=-849/0, 1-2=-747/0, 2-3=-1786/0, 3-4=-2381/0, 4-5=-2381/0, 5-6=-2375/0, 6-7=-1789/0, 7-8=-745/0
BOT CHORD 14-15=0/1402, 13-14=0/2148, 12-13=0/2381, 11-12=0/2147, 10-11=0/1404
WEBS 8-10=0/1053, 1-15=0/1026, 7-10=-980/0, 2-15=-975/0, 7-11=0/572, 2-14=0/571, 6-11=-533/0, 3-14=-538/0, 6-12=0/547, 3-13=0/567, 4-13=-300/0, 5-12=-281/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

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September 7,2021

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Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	F04	Floor	2	1	T25257178
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:43 2021 Page 1
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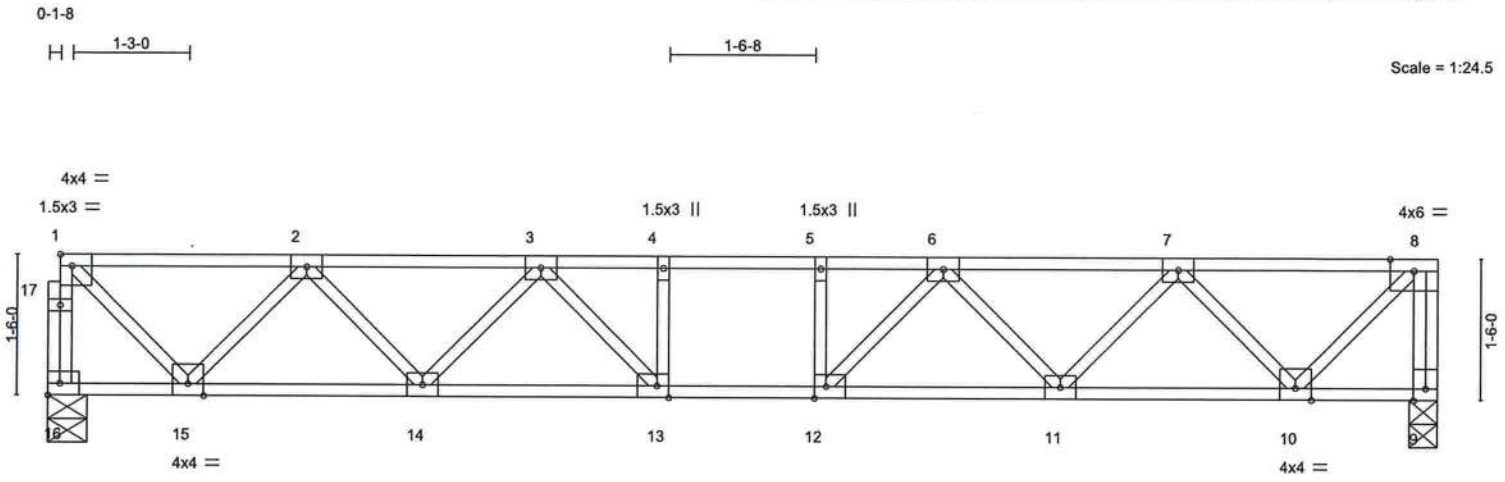

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [12:0-1-8,Edge], [13:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	-0.10	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.14	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2020/TPI2014		Matrix-S							Weight: 81 lb	FT = 20%F, 11%E

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

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

REACTIONS. (size) 16=0-5-0, 9=0-3-8
Max Grav 16=794(LC 1), 9=800(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-789/0, 8-9=-794/0, 1-2=-691/0, 2-3=-1634/0, 3-4=-2095/0, 4-5=-2095/0, 5-6=-2095/0, 6-7=-1634/0, 7-8=-690/0
BOT CHORD 14-15=0/1297, 13-14=0/1946, 12-13=0/2095, 11-12=0/1945, 10-11=0/1299
WEBS 8-10=0/976, 1-15=0/949, 7-10=-905/0, 2-15=-901/0, 7-11=0/499, 2-14=0/500, 6-11=-462/0, 3-14=-464/0, 6-12=-36/426, 3-13=-37/426

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

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Date:
September 7,2021

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Job	Truss	Truss Type	Qty	Ply	MCCALL RES. T25257179
2719016	F05	Floor	6	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:43 2021 Page 1
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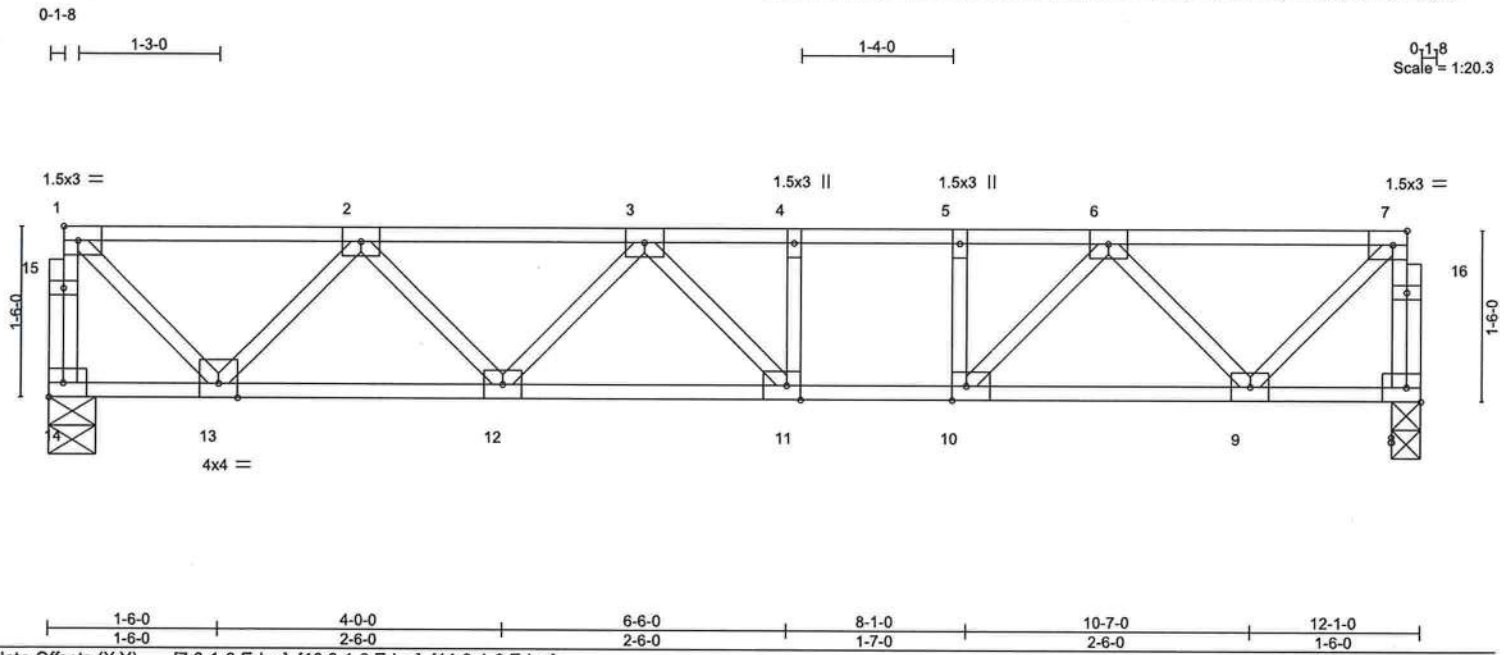

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.55	Vert(LL)	-0.09	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.12	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2020/TPI2014		Matrix-S							Weight: 67 lb	FT = 20%F, 11%E

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

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) 14=0-5-0, 8=0-3-0
Max Grav 14=645(LC 1), 8=645(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-637/0, 7-8=-631/0, 1-2=-539/0, 2-3=-1226/0, 3-4=-1322/0, 4-5=-1322/0, 5-6=-1322/0, 6-7=-526/0
BOT CHORD 12-13=0/1014, 11-12=0/1390, 10-11=0/1322, 9-10=0/1007
WEBS 7-9=0/720, 1-13=0/739, 6-9=-716/0, 2-13=-706/0, 6-10=0/549, 2-12=0/315, 5-10=-271/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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Date:
September 7,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	MCCALL RES. T25257180
2719016	F07	Floor	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:44 2021 Page 1
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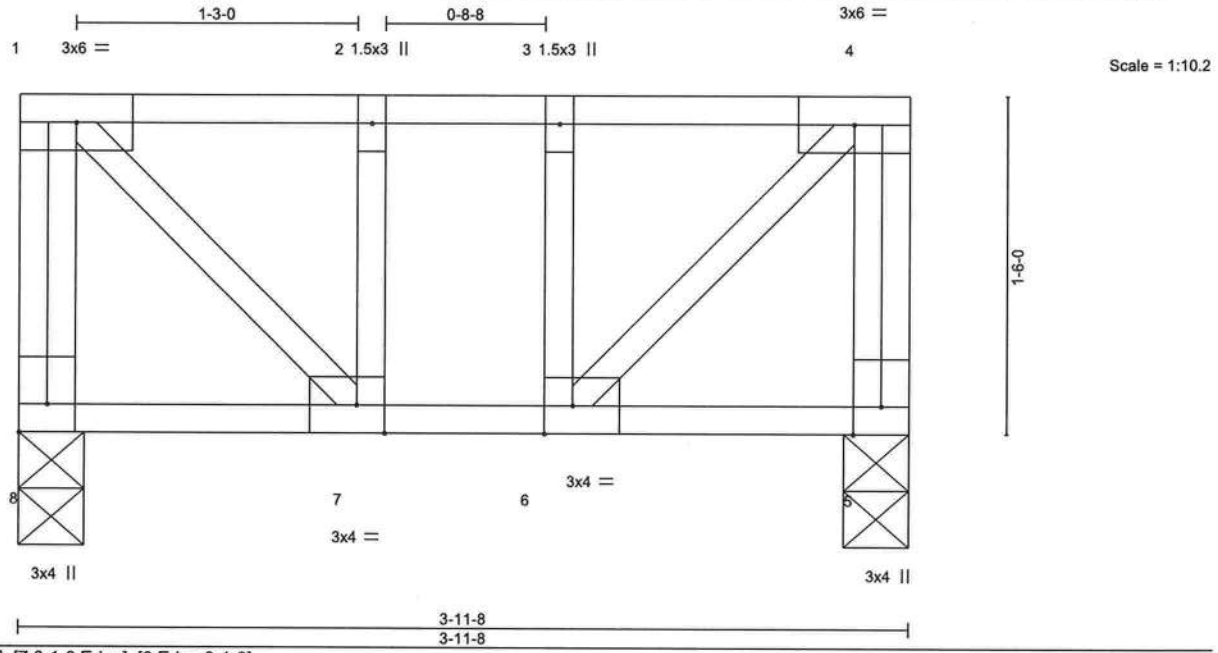

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,Edge], [8:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.13	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.08	Vert(CT)	-0.00	7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2020/TPI2014		Matrix-S							Weight: 28 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-8, 5=0-3-8
Max Grav 8=204(LC 1), 5=204(LC 1)

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

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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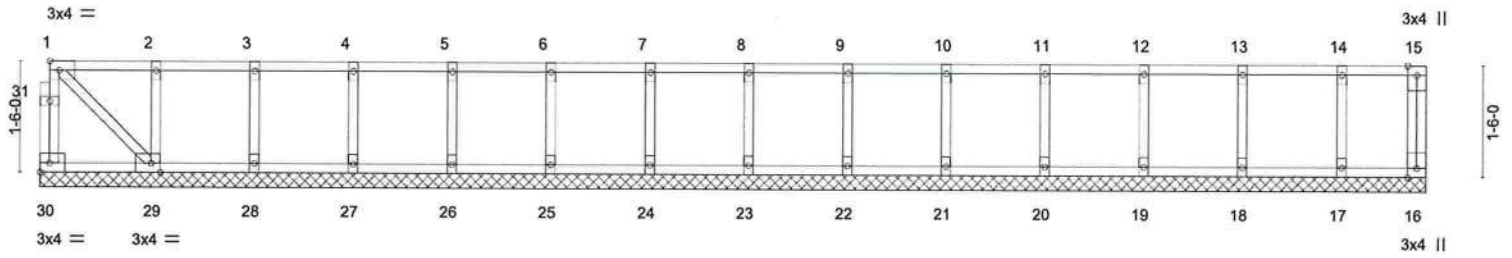
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	KW1	GABLE	1	1	T25257181
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:45 2021 Page 1
ID:A6O0Z2ikebN8vXHTJEo_2QzWkY3-_2g9FTWOxDI_3W7DQ1kAnnIAjgbpIJGiJpsu?xyghpG

0-1-8

Scale = 1:31.1



1-6-12	2-10-12	4-2-12	5-6-12	6-10-12	8-2-12	9-6-12	10-10-12	12-2-12	13-6-12	14-10-12	16-2-12	17-6-12	18-8-8
1-6-12	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-1-12

Plate Offsets (X,Y)-- [29:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	16	n/a	n/a		
BCDL	5.0	Code FBC2020/TPI2014		Matrix-S							Weight: 89 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

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

REACTIONS. All bearings 18-8-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	KW3	GABLE	1	1	T25257182
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:46 2021 Page 1
ID:A6O0Z2ikebN8vXHTJEo_2QzWkY3-SFDXTpW0iXQrhghP_kFPK?qLT4x21IWsYTcSYOyghpF

0-1-8

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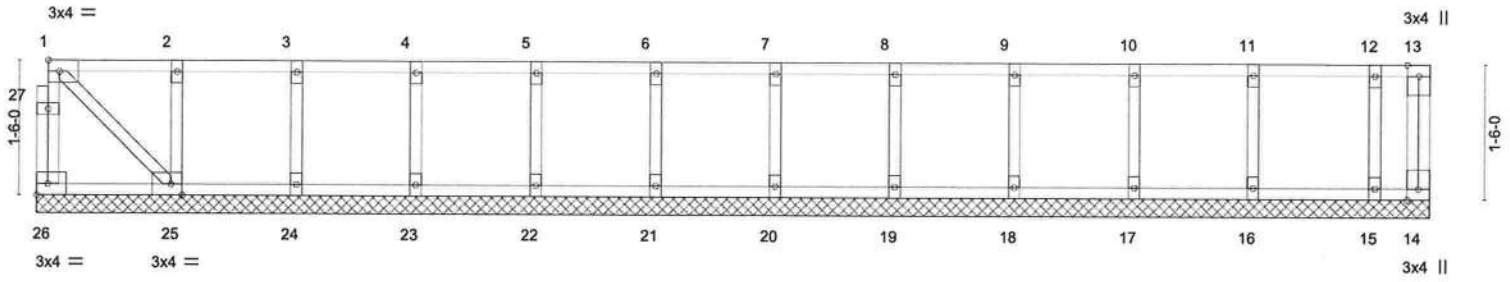

1-6-12	2-10-12	4-2-12	5-6-12	6-10-12	8-2-12	9-6-12	10-10-12	12-2-12	13-6-12	14-10-12	15-6-0
1-6-12	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-7-4

Plate Offsets (X,Y)-- [25:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	14	n/a	n/a		
BCDL	5.0	Code FBC2020/TPI2014		Matrix-S							Weight: 76 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

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

REACTIONS. All bearings 15-6-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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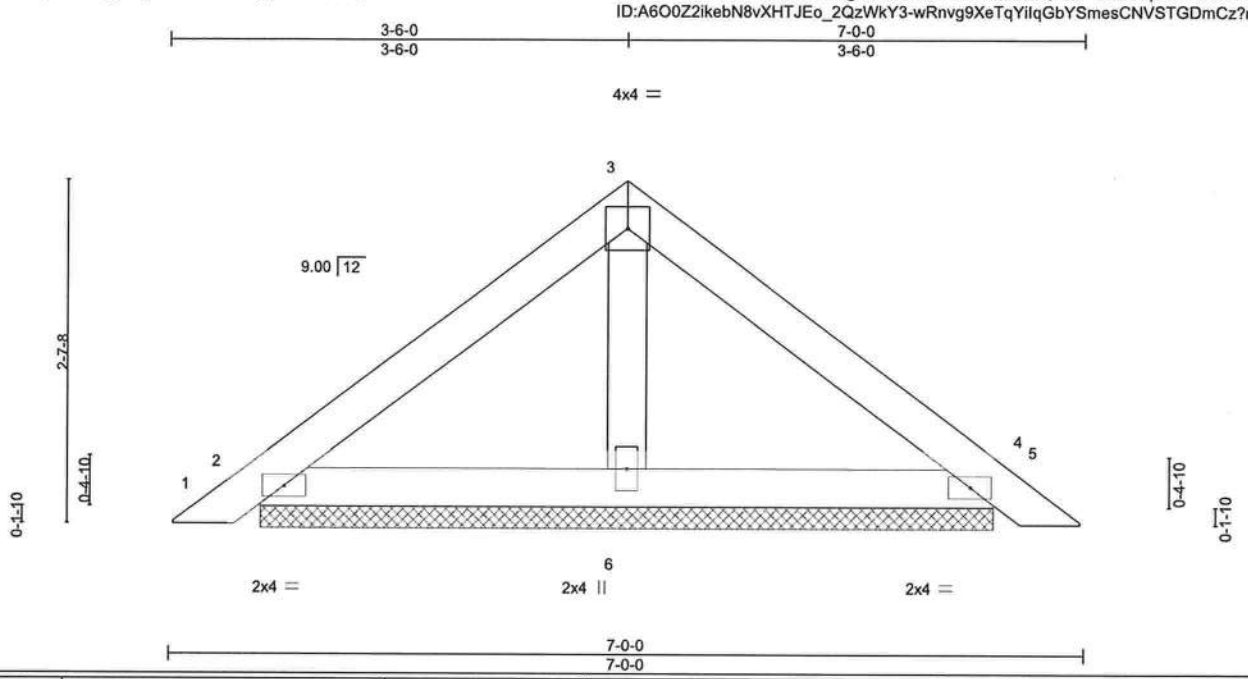
Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	PB01	Piggyback	23	1	T25257183
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:47 2021 Page 1
ID:A6O0Z2ikebN8vXHTJEo_2QzWkY3-wRnvg9XeTqYilqGbYSmesCNVSTGDmCz?n7L?4qyghpE



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)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	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: 24 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=5-7-5, 4=5-7-5, 6=5-7-5
Max Horz 2=-58(LC 10)
Max Uplift 2=-49(LC 12), 4=-57(LC 13), 6=-15(LC 12)
Max Grav 2=140(LC 1), 4=140(LC 1), 6=182(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=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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 49 lb uplift at joint 2, 57 lb uplift at joint 4 and 15 lb uplift at joint 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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Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	PB01G	GABLE	3	1	T25257184
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:48 2021 Page 1
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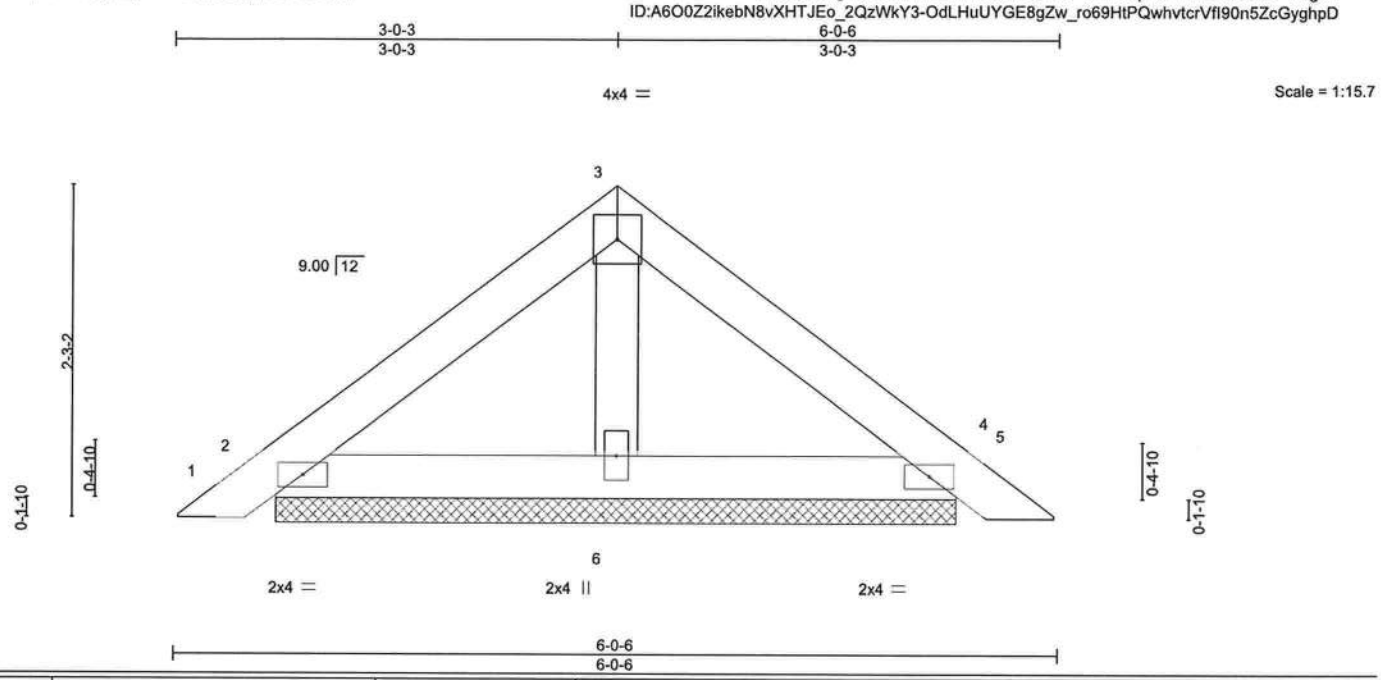

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		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=4-7-11, 4=4-7-11, 6=4-7-11
Max Horz 2=-49(LC 10)
Max Uplift 2=-43(LC 12), 4=-49(LC 13), 6=-11(LC 12)
Max Grav 2=121(LC 1), 4=121(LC 1), 6=150(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=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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 43 lb uplift at joint 2, 49 lb uplift at joint 4 and 11 lb uplift at joint 6.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	MCCALL RES.	T25257185
2719016	T06	Piggyback Base	9	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:49 2021 Page 1
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4-3-0	9-0-0	13-8-0	17-2-0	20-8-0	25-4-0	30-1-0	34-4-0
4-3-0	4-9-0	4-8-0	3-6-0	3-6-0	4-8-0	4-9-0	4-3-0

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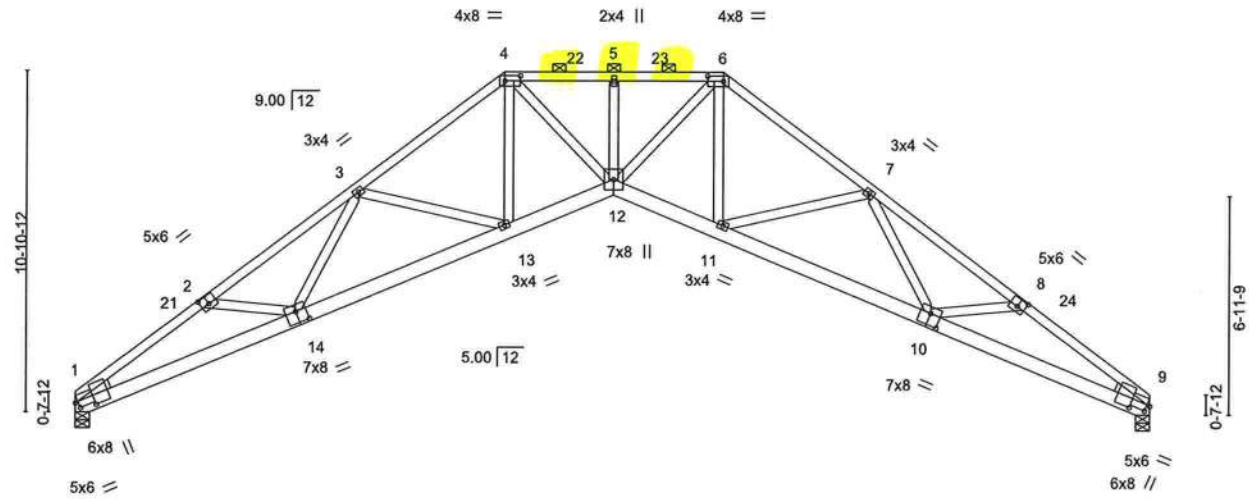

7-0-0	13-8-0	17-2-0	20-8-0	27-4-0	34-4-0
7-0-0	6-8-0	3-6-0	3-6-0	6-8-0	7-0-0

Plate Offsets (X,Y)-- [1:0-3-8,0-7-4], [1:0-1-4,0-2-6], [2:0-3-0,0-3-0], [4:0-6-0,0-2-0], [6:0-6-0,0-2-0], [8:0-3-0,0-3-0], [9:0-3-8,0-7-4], [9:0-1-4,0-2-6], [10:0-4-0,0-4-8], [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	0.59	Vert(LL)	-0.30	12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.55	12	>754	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.55	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 220 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 2-7-10 oc purlins, except
2-0-0 oc purlins (3-2-11 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 7-9-1 oc bracing.

REACTIONS. (size) 1=0-5-8, 9=0-5-8
Max Horz 1=244(LC 9)
Max Uplift 1=-294(LC 12), 9=-294(LC 13)
Max Grav 1=1270(LC 1), 9=1270(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3317/932, 2-3=-3140/833, 3-4=-2741/640, 4-5=-3060/641, 5-6=-3060/641, 6-7=-2742/527, 7-8=-3140/626, 8-9=-3317/733
BOT CHORD 1-14=-892/2767, 13-14=-694/2709, 12-13=-392/2293, 11-12=-250/2293, 10-11=-385/2709, 9-10=-548/2767
WEBS 3-13=-424/299, 4-13=-188/483, 4-12=-123/1325, 6-12=-337/1325, 6-11=-187/482, 7-11=-438/311

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=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-5-3, Interior(1) 3-5-3 to 13-8-0, Exterior(2R) 13-8-0 to 18-6-4, Interior(1) 18-6-4 to 20-8-0, Exterior(2R) 20-8-0 to 25-4-0, Interior(1) 25-4-0 to 34-4-0 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 294 lb uplift at joint 1 and 294 lb uplift at joint 9.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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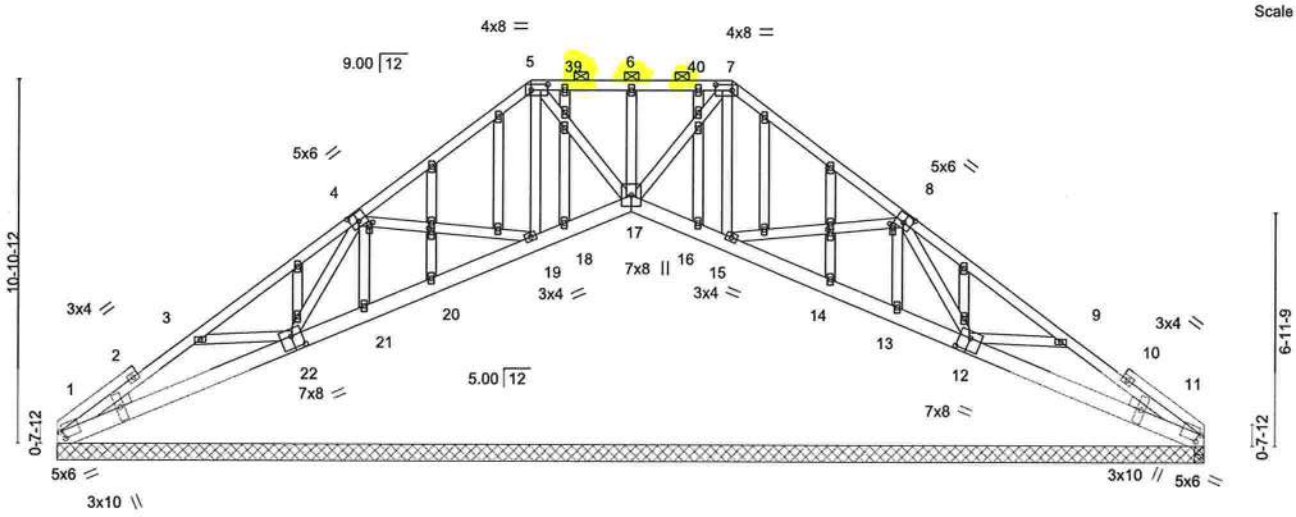
Job	Truss	Truss Type	Qty	Ply	MCCALL RES.	T25257186
2719016	T06G	GABLE I I	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:52 2021 Page 1
ID:A6O0Z2ikebN8vXHTJEo_2QzWkY3-HPboksbnINA?Pb9ZL?MpZG4IMUxFRPBkwP3ml1yghp9

4-3-0	9-0-0	14-1-13	17-2-0	20-2-3	25-4-0	30-1-0	34-4-0
4-3-0	4-9-0	5-1-13	3-0-3	3-0-3	5-1-13	4-9-0	4-3-0

Scale = 1:69.0



7-0-0	14-1-13	17-2-0	20-2-3	27-4-0	34-4-0
7-0-0	7-1-13	3-0-3	3-0-3	7-1-13	7-0-0

Plate Offsets (X,Y)-- [1:0-1-3,0-2-14], [4:0-1-11,0-1-0], [4:0-3-0,0-3-0], [5:0-6-0,0-2-0], [7:0-6-0,0-2-0], [8:0-1-11,0-1-0], [8:0-3-0,0-3-0], [11:0-1-3,0-2-14], [12:0-4-0,0-4-8], [22:0-4-0,0-4-8], [27:0-1-8,0-1-0], [36:0-1-8,0-1-0]

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	0.33	Vert(LL)	-0.02	1-22	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.05	1-22	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 272 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 34-4-0.
(lb) - Max Horz 1=240(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 11, 20, 13 except 19=-391(LC 12), 17=-132(LC 11), 15=-124(LC 13), 12=-241(LC 13), 1=-127(LC 13), 21=-103(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 17, 11, 11, 18, 20, 21, 16, 14 except 19=834(LC 19), 15=269(LC 24), 12=535(LC 24), 1=335(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-729/278, 3-4=-354/128, 4-5=-159/502, 5-6=-58/319, 6-7=-58/319, 7-8=-43/252, 8-9=-71/259, 9-11=-273/147
BOT CHORD 1-22=-373/746, 21-22=-154/283, 19-20=-143/259, 18-19=-369/350, 17-18=-361/350, 16-17=-210/306, 15-16=-210/304
WEBS 3-22=-379/287, 4-22=-17/299, 4-19=-487/322, 5-19=-478/207, 7-17=-253/110, 8-12=-366/218, 9-12=-358/280

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=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-5-2 to 3-11-15, Interior(1) 3-11-15 to 14-1-13, Exterior(2R) 14-1-13 to 19-0-1, Interior(1) 19-0-1 to 20-2-3, Exterior(2R) 20-2-3 to 25-4-0, Interior(1) 25-4-0 to 33-10-14 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) All plates are 2x4 MT20 unless otherwise indicated.
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.

Continued on page 2

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
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Date: September 7,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	T06G	GABLE I I	1	1	T25257186
					Job Reference (optional)

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 20, 13 except (jt=lb) 19=391, 17=132, 15=124, 12=241, 1=127, 21=103.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	MCCALL RES.	
2719016	T07	Piggyback Base	14	1	Job Reference (optional)	T25257187

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:53 2021 Page 1
ID:A6O0Z2ikebN8vXHTJEo_2QzWkY3-lb9AxCcP3gIs0lklujt26TdNsuAiAt?u93oKHUyghp8

1-6-0	6-6-0	13-8-0	20-8-0	27-10-0	34-4-0	35-10-0
1-6-0	6-6-0	7-2-0	7-0-0	7-2-0	6-6-0	1-6-0

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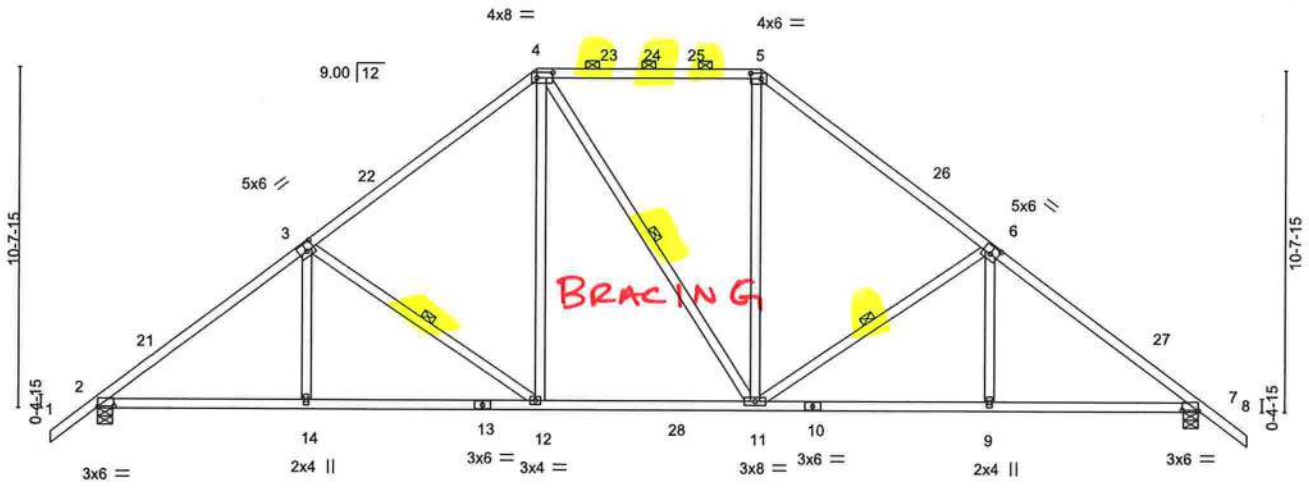

6-6-0	13-8-0	20-8-0	27-10-0	34-4-0
6-6-0	7-2-0	7-0-0	7-2-0	6-6-0

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

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	0.73	Vert(LL)	-0.13	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.20	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.08	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 205 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 3-10-11 oc purlins, except 2-0-0 oc purlins (4-3-8 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 9-4-3 oc bracing.
WEBS	1 Row at midpt 3-12, 4-11, 6-11

REACTIONS. (size) 2=0-5-8, 7=0-5-8
Max Horz 2=-271(LC 10)
Max Uplift 2=-332(LC 12), 7=-332(LC 13)
Max Grav 2=1457(LC 19), 7=1452(LC 20)

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

TOP CHORD	2-3=-1997/419, 3-4=-1527/378, 4-5=-1138/379, 5-6=-1519/378, 6-7=-1990/419
BOT CHORD	2-14=-389/1681, 12-14=-388/1686, 11-12=-160/1188, 9-11=-206/1543, 7-9=-206/1538
WEBS	3-14=0/287, 3-12=-608/292, 4-12=-117/627, 5-11=-110/591, 6-11=-608/292, 6-9=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=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-11-3, Interior(1) 1-11-3 to 13-8-0, Exterior(2R) 13-8-0 to 18-6-4, Interior(1) 18-6-4 to 20-8-0, Exterior(2R) 20-8-0 to 25-6-4, Interior(1) 25-6-4 to 35-10-0 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) 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=332, 7=332.
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	MCCALL RES.
2719016	T07G	Piggyback Base Supported Gable	2	1	T25257188
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:55 2021 Page 1
ID:A6O0Z2ikebN8vXHTJEo_2QzWkY3-h_GxMudfbIYaG3t807vWBuisgi?LeorBdNHQMMyghp6

1-6-0 | 14-1-13 | 20-2-3 | 34-4-0 | 35-10-0
1-6-0 | 14-1-13 | 6-0-6 | 14-1-13 | 1-6-0

Scale = 1:73.8

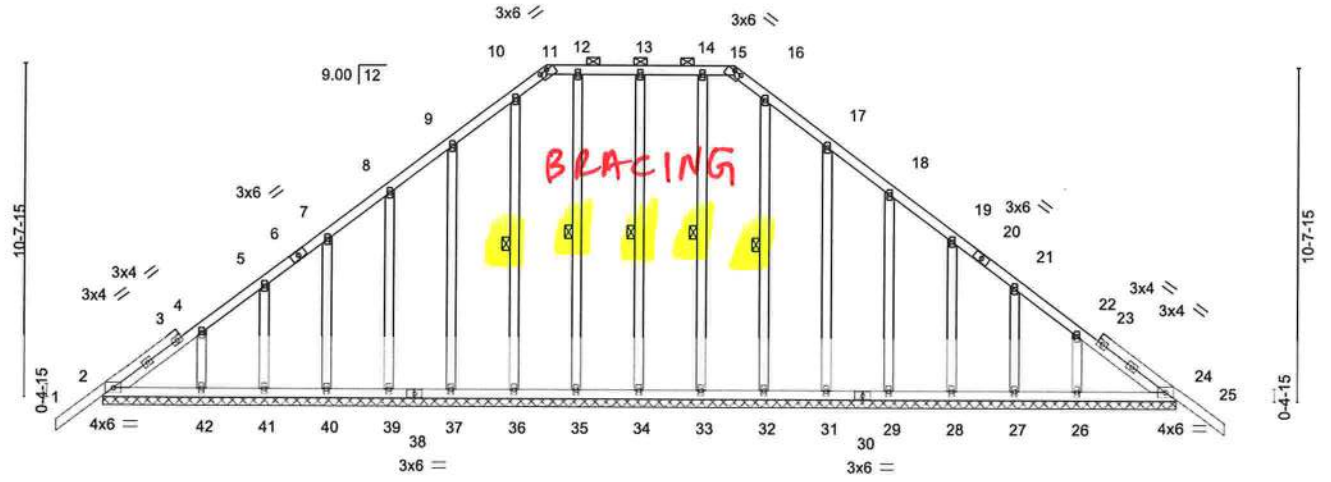

Plate Offsets (X,Y)-- [11:0-3-0,0-0-1], [15:0-3-0,0-0-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	25	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.01	25	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	24	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 272 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, except 2-0-0 oc purlins (6-0-0 max.): 11-15.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 13-34, 12-35, 10-36, 14-33, 16-32

REACTIONS. All bearings 34-4-0.
(lb) - Max Horz 2=271(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 34, 35, 36, 39, 40, 41, 42, 33, 32, 29, 28, 27, 26, 24 except 37=-101(LC 12), 31=-106(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 34, 35, 36, 37, 39, 40, 41, 42, 33, 32, 31, 29, 28, 27, 26, 24

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-264/199

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=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-11-3, Exterior(2N) 1-11-3 to 14-1-13, Corner(3R) 14-1-13 to 17-7-0, Exterior(2N) 17-7-0 to 20-2-3, Corner(3R) 20-2-3 to 23-7-6, Exterior(2N) 23-7-6 to 35-10-0 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) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 34, 35, 36, 39, 40, 41, 42, 33, 32, 29, 28, 27, 26, 24 except (jt=lb) 37=101, 31=106.
12) 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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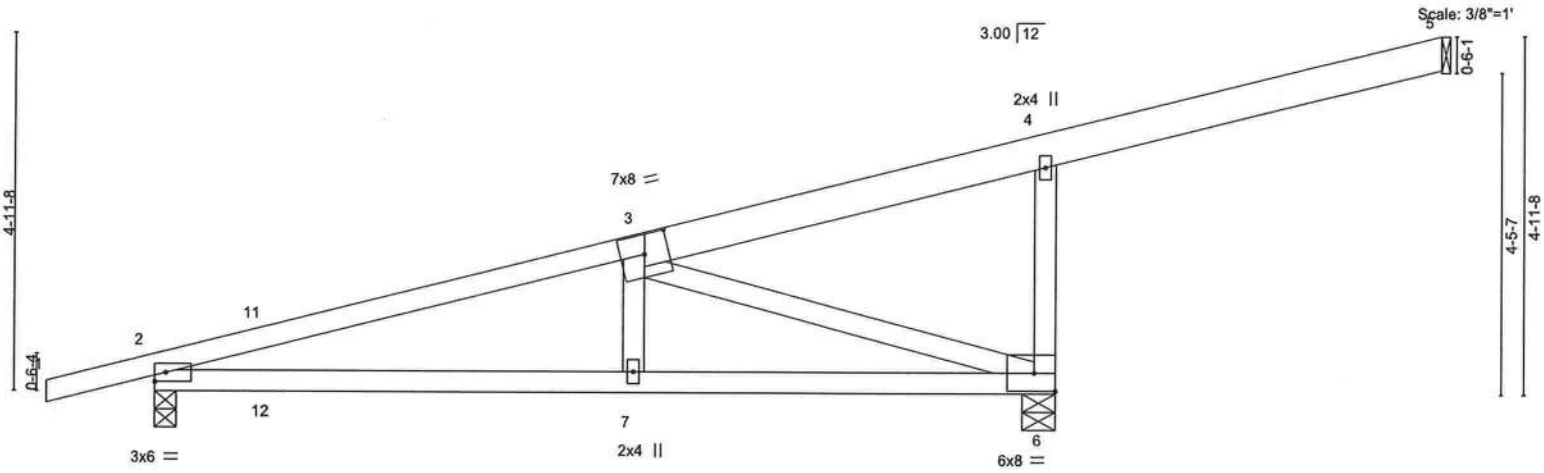
Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	T08	Monopitch	10	1	T25257189
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:56 2021 Page 1
ID:A6O0Z2ikebN8vXHTJEo_2QzWkY3-9AqJZDeHMbhQtCSKarQlk6F_26FHN9yKr11_upyghp5

-1-6-0	6-7-9	12-5-8	17-8-15
1-6-0	6-7-9	5-9-15	5-3-7

Scale: 3/8"=1'



6-7-9	12-5-8	17-8-15
6-7-9	5-9-15	5-3-7

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

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	0.35	Vert(LL)	0.10	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.08	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	-0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 73 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-3: 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 5-7-2 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-3-8, 6=0-5-8
Max Horz 2=179(LC 8)
Max Uplift 5=-65(LC 12), 2=-276(LC 8), 6=-373(LC 8)
Max Grav 5=109(LC 1), 2=526(LC 1), 6=647(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-850/880, 4-6=-333/212
BOT CHORD 2-7=-989/784, 6-7=-962/774
WEBS 3-7=-358/267, 3-6=-815/1001

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 17-8-3 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=276, 6=373.

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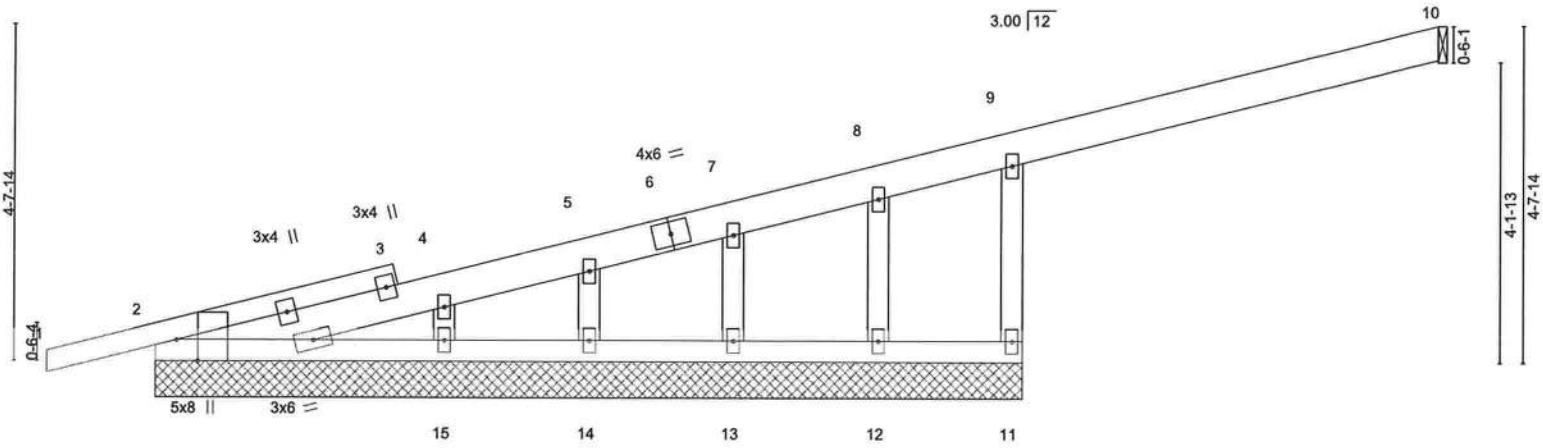
Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	T08G	Jack-Closed Supported Gable	1	1	T25257190
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:57 2021 Page 1
ID:A6O0Z2ikebN8vXHTJEo_2QzWkY3-eMOhnZfv7vpHVM1W7Yx_GJnCiVgE6kyT4hmXQFyghp4

-1-6-0 / 1-6-0 | 12-0-0 / 12-0-0 | 17-8-15 / 5-8-15

Scale: 3/8"=1'



12-0-0 / 12-0-0 | 17-8-15 / 5-8-15

Plate Offsets (X,Y)-- [2:0-3-8,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	0.16	Vert(LL)	-0.01	2-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	2-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 78 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-3: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 12-0-0 except (jt=length) 10=Mechanical.
(lb) - Max Horz 2=165(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 10, 2, 14, 15, 13 except 11=-185(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 10, 2, 14, 13, 12 except 11=343(LC 1), 15=250(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-266/85, 9-11=-329/374

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 17-8-3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable 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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2, 14, 15, 13 except (jt=lb) 11=185.

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Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	T09	Monopitch	14	1	T25257191
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:58 2021 Page 1
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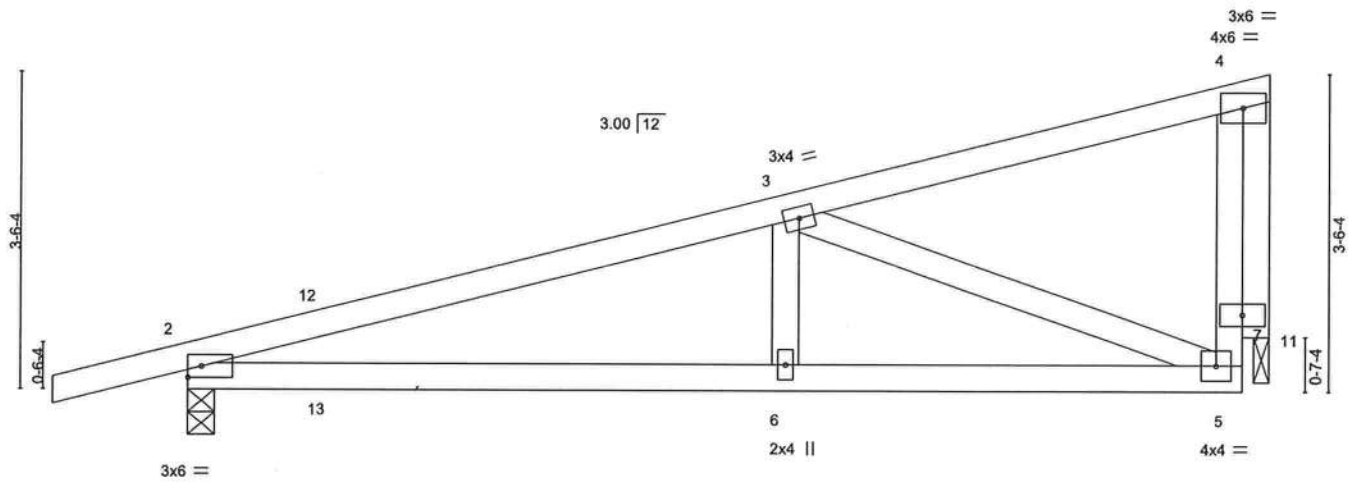
-1-6-0 / 1-6-0 | 6-7-9 / 6-7-9 | 12-0-0 / 5-4-7

Scale = 1:25.6



6-7-9 / 6-7-9 | 12-0-0 / 5-4-7

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	0.34	Vert(LL)	0.10	6-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.09	6-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 56 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-7-7 oc bracing.

REACTIONS. (size) 2=0-3-8, 11=0-2-0
Max Horz 2=126(LC 8)
Max Uplift 2=-291(LC 8), 11=-238(LC 8)
Max Grav 2=527(LC 1), 11=410(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-854/907, 5-7=-441/318, 4-7=-441/318
BOT CHORD 2-6=-959/789, 5-6=-959/789
WEBS 3-6=-330/249, 3-5=-773/943, 4-11=-415/495

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-6-12 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) 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) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=291, 11=238.

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Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	T09G	Monopitch Supported Gable	1	1	T25257192
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:59 2021 Page 1
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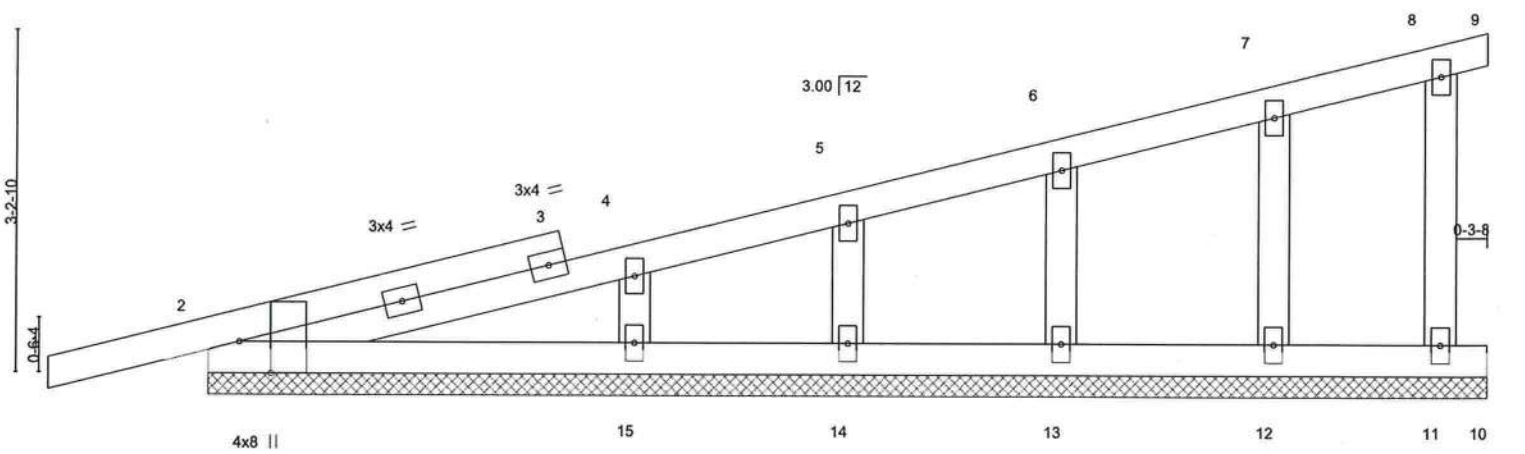
Scale = 1:21.6



12-0-0 / 12-0-0

Plate Offsets (X,Y)-- [2:0-3-8,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	0.13	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 55 lb	FT = 20%

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

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

REACTIONS. All bearings 12-0-0.
(lb) - Max Horz 2=116(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 9, 11, 10, 14, 15, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 9, 11, 14, 15, 13, 12

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 12-0-0 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
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9, 11, 10, 14, 15, 13, 12.

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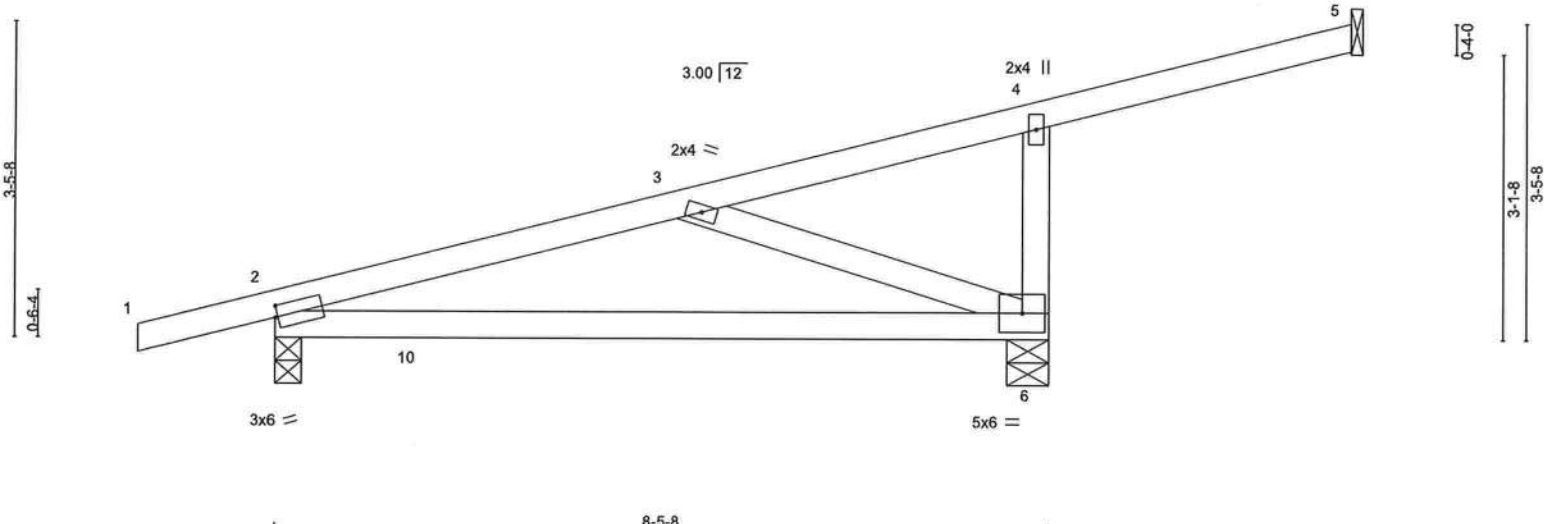
Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	T10	Monopitch	10	1	T25257193
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:32:59 2021 Page 1
ID:A6O0Z2ikebN8vXHTJEo_2QzWkY3-alWSCFgAeW3?kgBvFz_SLktRaJDdacPmY_FeV7yghp2

-1-6-0 | 4-7-14 | 8-5-8 | 11-8-15
1-6-0 | 4-7-14 | 3-9-10 | 3-3-7

Scale = 1:25.2



8-5-8
8-5-8

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

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	0.58	Vert(LL)	0.30	6-9	>338	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	0.26	6-9	>383	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: 42 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 4-11-6 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-3-8, 6=0-5-8
Max Horz 2=127(LC 8)
Max Uplift 5=-41(LC 8), 2=-210(LC 8), 6=-243(LC 8)
Max Grav 5=70(LC 1), 2=387(LC 1), 6=421(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-458/527
BOT CHORD 2-6=-670/428
WEBS 3-6=-427/619

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-8-3 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=210, 6=243.

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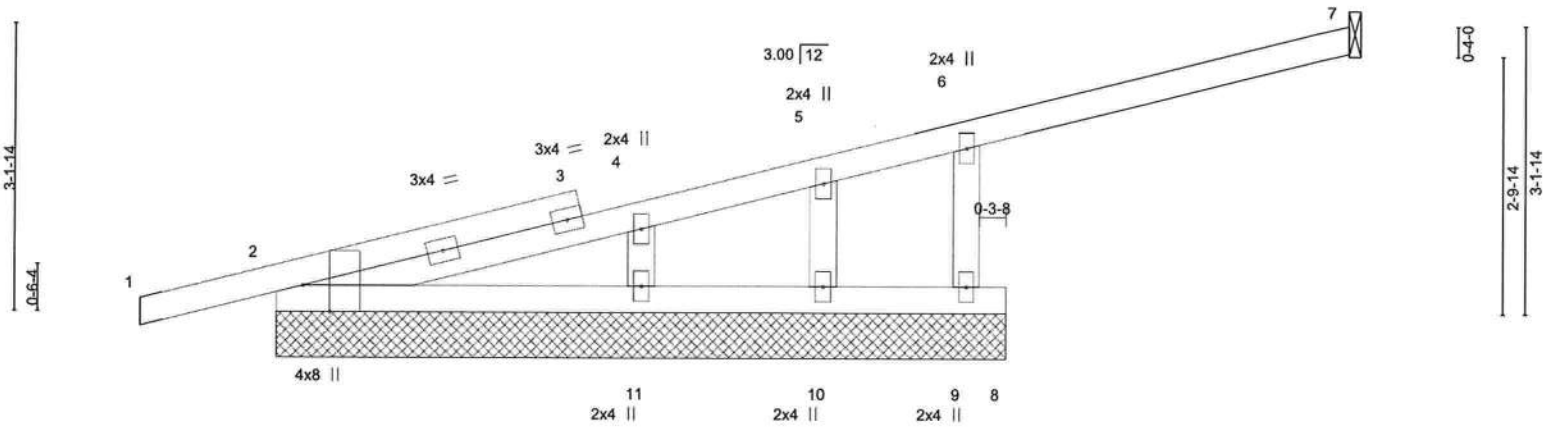
Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	T10G	Jack-Partial Supported Gable	1	1	T25257194
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:33:00 2021 Page 1
ID:A6O0Z2ikebN8vXHTJEo_2QzWkY3-2x4qPbhoPqBsMqm5phVhuyPiMjivJ4Pwme?B1ayghp1

-1-6-0 / 1-6-0 | 8-0-0 / 8-0-0 | 11-8-15 / 3-8-15

Scale = 1:25.3



8-0-0 / 8-0-0 | 11-8-15 / 3-8-15

Plate Offsets (X,Y)-- [2:0-3-8,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	0.20	Vert(LL)	-0.01	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	2-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 42 lb	FT = 20%

LUMBER-

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

BRACING-

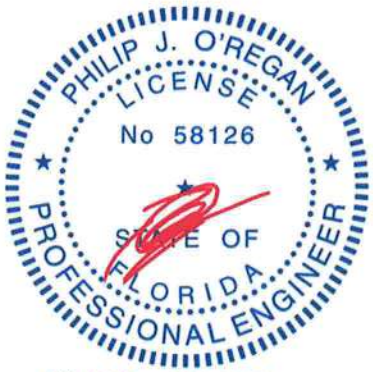
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 8-9.

REACTIONS. All bearings 8-0-0 except (jt=length) 7=Mechanical.
(lb) - Max Horz 2=113(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 7, 8, 11, 10 except 9=-122(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 7, 8, 11, 10 except 9=267(LC 1), 11=256(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-9=-225/321

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 11-8-3 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 studs spaced at 2-0-0 oc.
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) 2, 7, 8, 11, 10 except (jt=lb) 9=122.



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Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	T11	Monopitch	14	1	T25257195
					Job Reference (optional)

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-1-6-0 / 1-6-0 | 8-0-0 / 8-0-0

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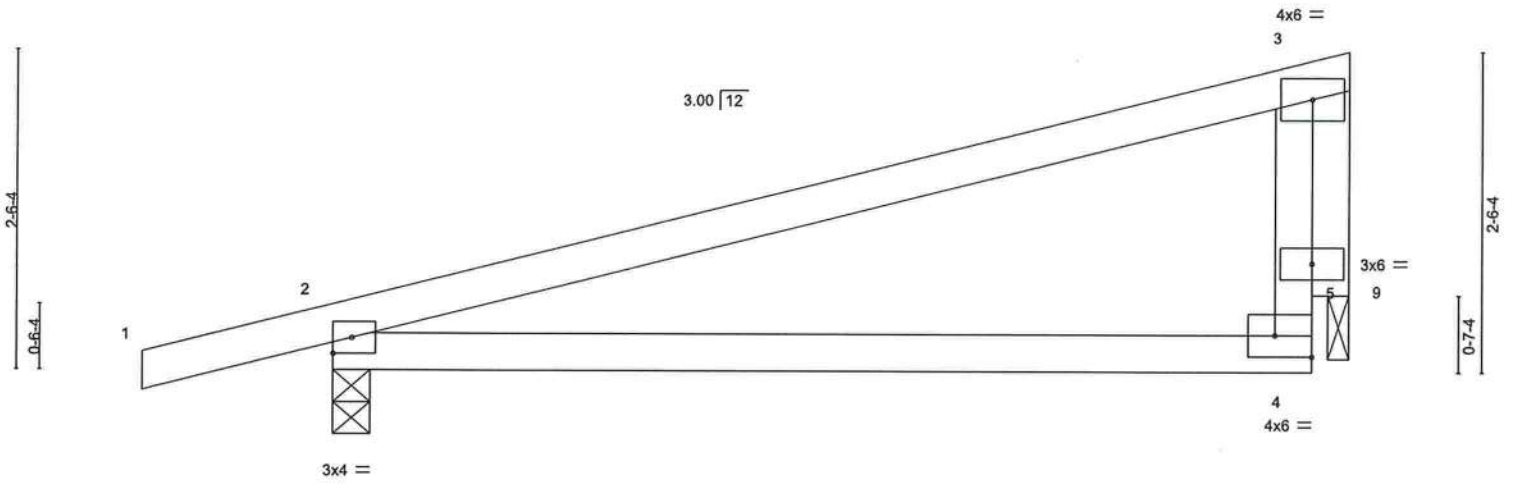

8-0-0 / 8-0-0

Plate Offsets (X,Y)-- [4:Edge,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	0.64	Vert(LL)	0.31	4-8	>311	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	0.27	4-8	>357	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	-0.03	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 31 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
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 6-11-2 oc bracing.

REACTIONS. (size) 2=0-3-8, 9=0-2-0
Max Horz 2=89(LC 8)
Max Uplift 2=-216(LC 8), 9=-150(LC 8)
Max Grav 2=381(LC 1), 9=260(LC 1)

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

TOP CHORD	4-5=-276/153, 3-5=-276/153
BOT CHORD	2-4=-299/170
WEBS	3-9=-275/472

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-6-12 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) 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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=216, 9=150.

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Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	T11G	Monopitch Supported Gable	1	1	T25257196
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:33:02 2021 Page 1
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-1-6-0 / 1-6-0 | 8-0-0 / 8-0-0

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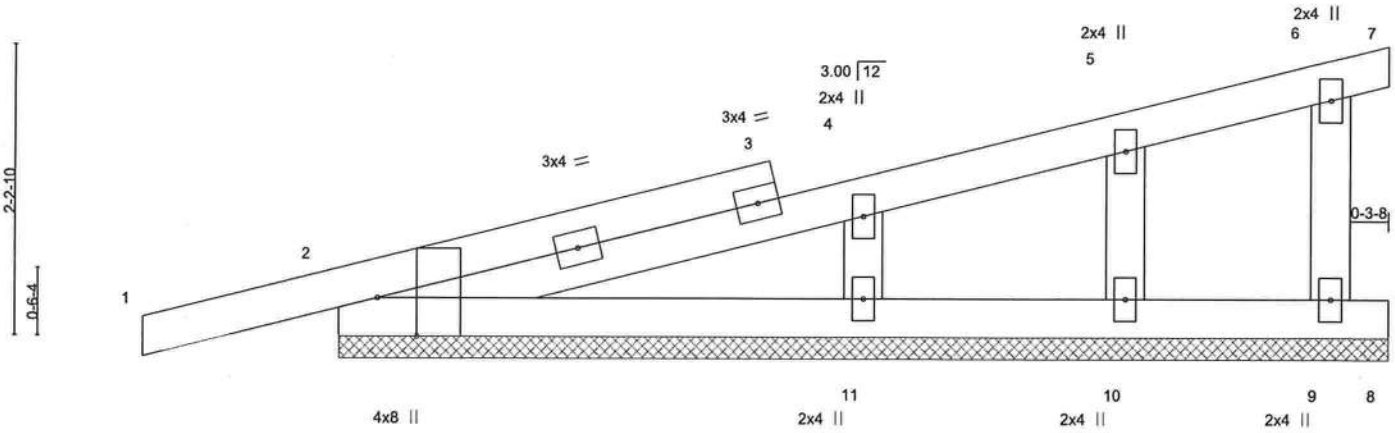

8-0-0 / 8-0-0

Plate Offsets (X,Y)-- [2:0-3-8,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	0.17	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 36 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. All bearings 8-0-0.
(lb) - Max Horz 2=79(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 7, 9, 8, 11, 10 except 2=-104(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 2, 7, 9, 11, 10

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=26ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 8-0-0 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
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) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 9, 8, 11, 10 except (jt=lb) 2=104.

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Job	Truss	Truss Type	Qty	Ply	MCCALL RES.	T25257197
2719016	TFG01	FLOOR	1	3	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:33:03 2021 Page 1
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1-10-12	5-0-0	8-3-0	10-4-0	13-2-6	15-11-0	18-7-10	22-0-0
1-10-12	3-1-4	3-3-0	2-1-0	2-10-6	2-8-10	2-8-10	3-4-6

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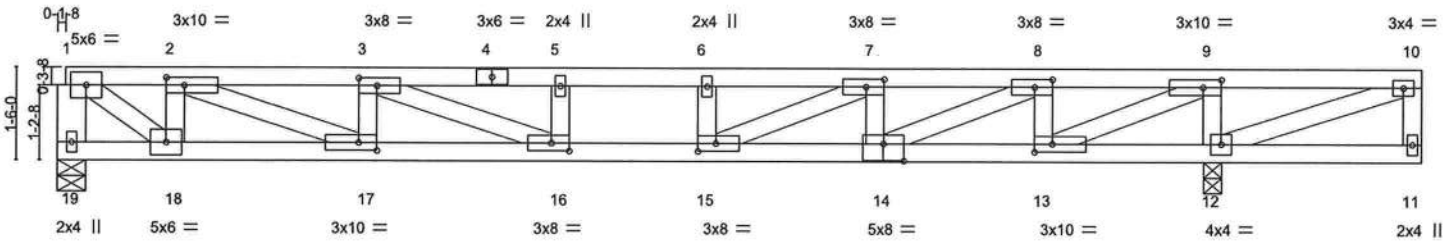

1-10-12	5-0-0	8-3-0	10-4-0	13-2-6	15-11-0	18-7-10	18-9-8	22-0-0
1-10-12	3-1-4	3-3-0	2-1-0	2-10-6	2-8-10	2-8-10	0-1-14	3-2-8

Plate Offsets (X,Y)-- [2:0-3-8,0-1-8], [3:0-3-8,0-1-8], [7:0-3-8,0-1-8], [8:0-3-8,0-1-8], [9:0-3-8,0-1-8], [13:0-3-8,0-1-8], [14:0-4-0,0-3-4], [15:0-3-8,0-1-8], [16:0-3-8,0-1-8], [17:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.31	15-16	>713	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.42	15-16	>528	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 317 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
1-19: 2x6 SP No.2, 2-17,3-16,8-14,9-13,7-15: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 12-13,11-12.

REACTIONS. (size) 19=0-5-8, 12=0-3-8
Max Grav 19=3924(LC 3), 12=5462(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-19=-3834/0, 1-2=-5109/0, 2-3=-11435/0, 3-5=-14429/0, 5-6=-14429/0, 6-7=-14429/0, 7-8=-11910/0, 8-9=-7109/0, 9-10=0/1432
BOT CHORD 17-18=0/5109, 16-17=0/11435, 15-16=0/14429, 14-15=0/12156, 13-14=0/7109, 12-13=-1432/0
WEBS 1-18=0/6025, 2-18=-3534/0, 2-17=0/6789, 3-17=-2489/0, 3-16=0/4123, 5-16=-1138/0, 7-14=-2340/0, 8-14=0/5539, 8-13=-3298/0, 9-13=0/7869, 9-12=-4761/0, 10-12=-1609/0, 6-15=-1095/0, 7-15=0/4008

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 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 floor live loads have been considered for this design.
4) The Fabrication Tolerance at joint 4 = 20%
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-10=-420, 11-19=-10

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

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

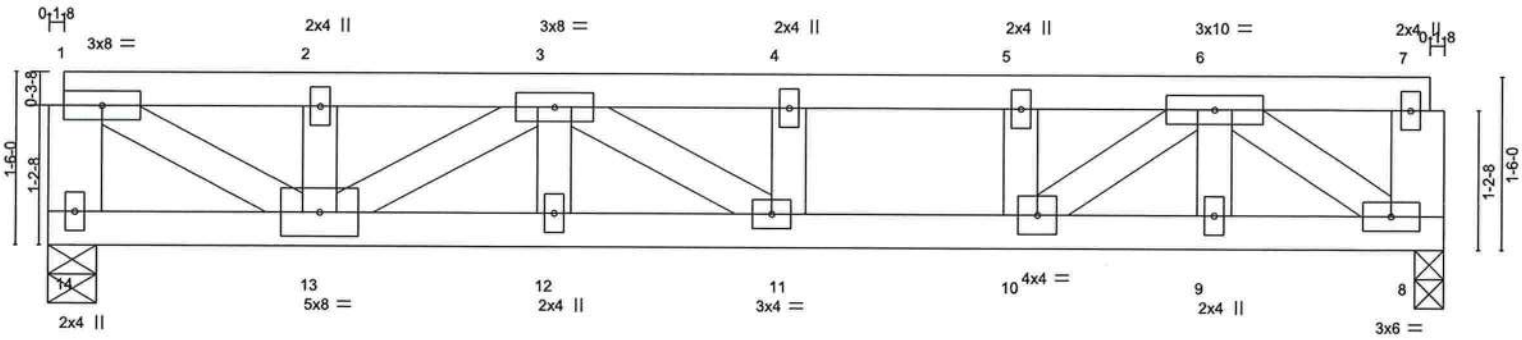
Job	Truss	Truss Type	Qty	Ply	MCCALL RES.
2719016	TFG02	FLOOR	1	3	T25257198

Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 11:33:03 2021 Page 1
ID:A6O0Z2ikebN8vXHTJEo_2QzWkY3-SWly1djgilZRDHVgUp2OWa1AowWrWJhMScDrevyghp_

2-4-2	4-4-8	6-4-14	8-5-0	10-1-2	12-1-0
2-4-2	2-0-6	2-0-6	2-0-2	1-8-2	1-11-14

Scale = 1:19.9



2-4-2	4-4-8	6-4-14	8-5-0	10-1-2	12-1-0
2-4-2	2-0-6	2-0-6	2-0-2	1-8-2	1-11-14

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	-0.09	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.12	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 181 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-14,7-8: 2x6 SP No.2

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

REACTIONS. (size) 14=0-5-0, 8=0-3-0
Max Grav 14=2499(LC 1), 8=2499(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-2402/0, 1-2=-3553/0, 2-3=-3553/0, 3-4=-5496/0, 4-5=-5496/0, 5-6=-5496/0, 7-8=-450/0
BOT CHORD 12-13=0/5615, 11-12=0/5615, 10-11=0/5496, 9-10=0/2972, 8-9=0/2972
WEBS 1-13=0/3867, 2-13=-802/0, 3-13=-2399/0, 3-12=0/302, 3-11=-629/889, 5-10=-1271/0, 6-10=0/3190, 6-9=-359/0, 6-8=-3393/0, 4-11=-493/0

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 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 floor live loads have been considered for this design.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-7=-420, 8-14=-10

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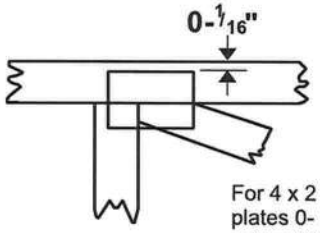
Symbols

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

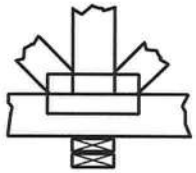
4 x 4

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

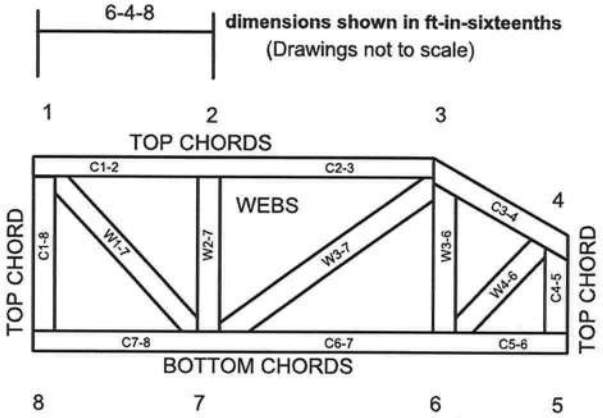


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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

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.