



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

RE: 2150576 - CHRISMILL - MILLER RES.

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Chrismill Homes Project Name: Miller-Mick Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 3932 SW Watson Street, 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:

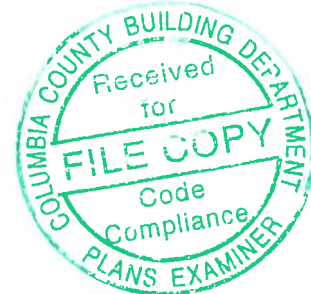
General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: 55.0 psf

This package includes 26 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	T18644257	F01	11/12/19	23	T18644279	T08	11/12/19
2	T18644258	F02	11/12/19	24	T18644280	T08G	11/12/19
3	T18644259	F03	11/12/19	25	T18644281	T09	11/12/19
4	T18644260	F04	11/12/19	26	T18644282	T09G	11/12/19
5	T18644261	F05	11/12/19				
6	T18644262	KW1	11/12/19				
7	T18644263	KW3	11/12/19				
8	T18644264	KW4	11/12/19				
9	T18644265	PB01	11/12/19				
10	T18644266	PB01G	11/12/19				
11	T18644267	T01	11/12/19				
12	T18644268	T01G	11/12/19				
13	T18644269	T02	11/12/19				
14	T18644270	T02G	11/12/19				
15	T18644271	T03	11/12/19				
16	T18644272	T04	11/12/19				
17	T18644273	T04G	11/12/19				
18	T18644274	T05	11/12/19				
19	T18644275	T06	11/12/19				
20	T18644276	T06G	11/12/19				
21	T18644277	T07	11/12/19				
22	T18644278	T07G	11/12/19				

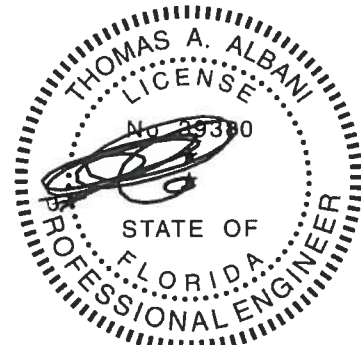


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

Truss Design Engineer's Name: Albani, Thomas

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



Thomas A. Albani PE No. 39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644257
2150576	F01	Floor	6	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244.

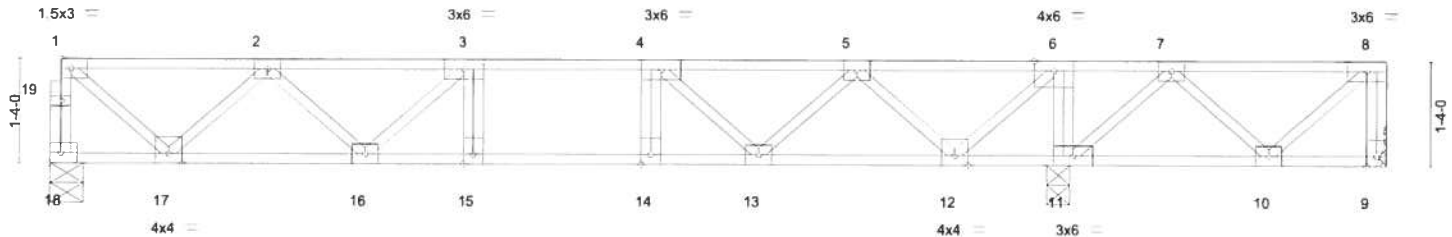
8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:07 2019 Page 1
ID: vUZHOFrz47zYU9CwvLrVGCyLb8S-l8JsMqqlcmmyAUbrddZgUNiveAUutaRXiZhJdyJuAg

0-1-8

1-3-0

2-0-0

Scale = 1:28.3



1-6-0
1-6-0

4-0-0
2-6-0

9-0-0
5-0-0

11-6-0
2-6-0

12-9-12 12-10-8
1-3-12 0-0-12

15-6-0
2-7-8

17-0-0
1-6-0

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)	-0.11 15-16	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.82	Vert(CT)	-0.14 15-16	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.46	Horz(CT)	0.02 9	n/a	n/a		
BCDL 5.0	Code FBC2017/TP12014		Matrix-S						
								Weight: 93 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, Except: 6-0-0 oc bracing: 11-12,10-11.

REACTIONS. (lb/size) 18=622/0-5-0, 9=-13/Mechanical, 11=1227/0-3-8
Max Uplift 9=-168(LC 3)
Max Grav 18=624(LC 3), 9=180(LC 7), 11=1235(LC 8)

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

TOP CHORD 1-18=-617/0, 1-2=-595/0, 2-3=-1310/0, 3-4=-1450/0, 4-5=-1017/0, 5-6=-270/312, 6-7=0/966
BOT CHORD 16-17=0/1116, 15-16=0/1450, 14-15=0/1450, 13-14=0/1450, 12-13=0/648, 11-12=-966/0, 10-11=-450/125
WEBS 6-11=-821/0, 1-17=0/765, 6-12=0/966, 2-17=-725/0, 5-12=-888/0, 2-16=0/270, 5-13=0/516, 4-13=-580/0, 8-10=-299/103, 7-11=-687/0, 7-10=-66/313

NOTES-

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x4 MT20 unless otherwise indicated.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=168.
- 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.
- CAUTION, Do not erect truss backwards.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

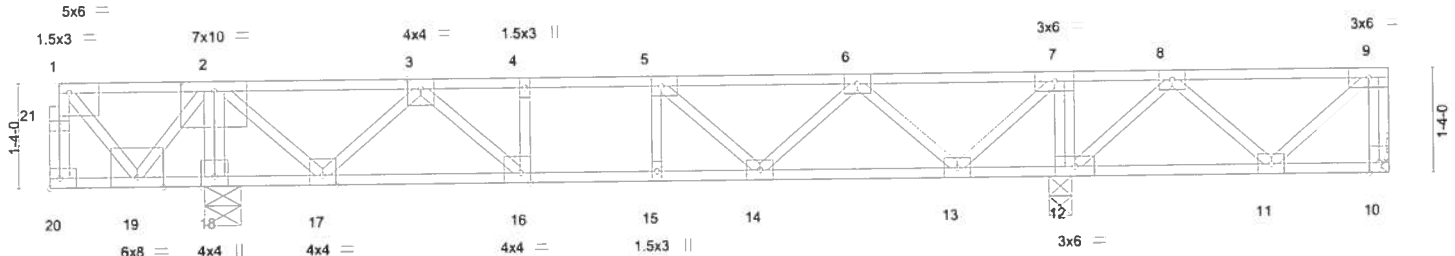
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644258
2150576	F02	Floor	4	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:08 2019 Page 1
ID: vUZHOFrz47zYU9CwvLrVGCyLb8S-nKsEZ9rwN4ueaK3oPK8oCiw2k2bSdlHbmMJE3yJuAf

0-1-8
0-10-4 0-10-4 1-3-0 1-6-8
Scale = 1:28.3



1-11-8	2-1-0	12-9-12	12-10-8	15-6-0	17-0-0
1-11-8	0-1-8	10-8-12	0-0-12	2-7-8	1-6-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [16:0-1-8,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)	0.08 16-17	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.39	Vert(CT)	0.10 16-17	>999	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.62	Horz(CT)	-0.02 10	n/a	n/a		
BCDL 5.0	Code FBC2017/TPI2014		Matrix-S					Weight: 95 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) *Except*
2-19: 2x4 SP No.2(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 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 10-11.

REACTIONS. (lb/size) 10=-152/Mechanical, 18=2648/0-5-8, 12=1011/0-3-8
Max Uplift 10=-305(LC 3)
Max Grav 10=104(LC 11), 18=2650(LC 3), 12=1111(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-10=-99/309, 1-2=0/1331, 2-3=0/2380, 3-4=-472/1482, 4-5=-472/1482, 5-6=-344/1092,
6-7=0/980, 7-8=0/1256, 8-9=0/378
BOT CHORD 18-19=-2727/0, 17-18=-2712/0, 16-17=-1991/217, 15-16=-1482/472, 14-15=-1482/472,
13-14=-868/162, 12-13=-1256/0, 11-12=-742/0
WEBS 2-18=-2532/0, 7-12=-650/70, 1-19=-2202/0, 2-19=0/2206, 7-13=-155/723, 2-17=0/841,
6-13=-677/146, 3-17=-927/0, 6-14=-312/257, 3-16=0/897, 5-14=-180/530, 4-16=-364/0,
5-15=-279/0, 9-11=-503/0, 8-12=-828/0, 8-11=0/506

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss connections.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=ib) 10=305.
 - 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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-20=-10, 1-9=-100
Concentrated Loads (lb)
Vert: 1=-1671



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644259
2150576	F03	Floor	6	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:08 2019 Page 1
ID.vUZHOFrz47zYU9CwLrVGCylb8S-nKsEZ9rwN4ueaK3oPK8oCiw4d2VQdLZbmMJE3yJuAf

0-1-8

1-3-0

1-11-8

0-1-8

Scale = 1.21.8

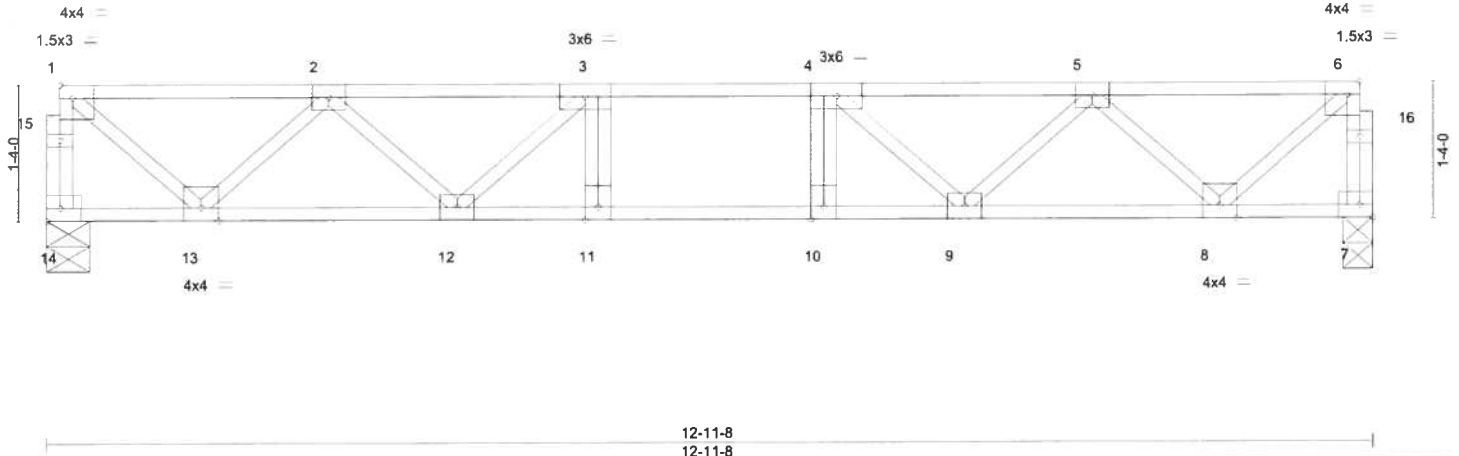


Plate Offsets (X,Y) - [1:Edge,0-1-8], [6:0-1-8,Edge]

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 0.42	Vert(LL)	-0.11 11-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.78	Vert(CT)	-0.13 11-12	>999	240		
BCCL 0.0	Rep Stress Incr	YES	WB 0.41	Horz(CT)	0.03 7	n/a	n/a		
BCDL 5.0	Code FBC2017/TPI2014		Matrix-S					Weight: 70 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. (lb/size) 14=693/0-5-0, 7=693/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-688/0, 6-7=-688/0, 1-2=-672/0, 2-3=-1533/0, 3-4=-1814/0, 4-5=-1533/0, 5-6=-672/0
BOT CHORD 12-13=0/1257, 11-12=0/1814, 10-11=0/1814, 9-10=0/1814, 8-9=0/1257
WEBS 6-8=0/866, 1-13=0/866, 5-8=-812/0, 2-13=-812/0, 5-9=0/401, 2-12=0/401, 4-9=-486/0, 3-12=-486/0

NOTES-

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x4 MT20 unless otherwise indicated.
- 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.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644260
2150576	F04	FLOOR	10	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

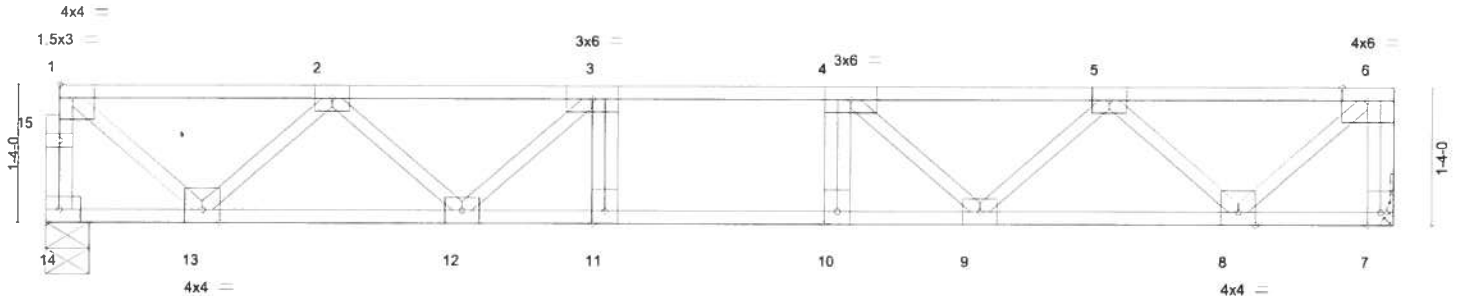
8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:09 2019 Page 1
ID.vUZHOFrz47zYU9CwvLrVGcyLb8S-FXQcnVsY7N0VCUe_z2f1lvSFCSrWMobk?02nNVyJuAe

0-1-8

1-3-0

2-0-0

Scale = 1.21.5



13-0-0
13-0-0

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

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	2-0-0	TC 0.44	Vert(LL)	-0.11 11-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.00		BC 0.79	Vert(CT)	-0.13 11-12	>999	240		
BCLL 0.0	Rep Stress Incr YES		WB 0.43	Horz(CT)	0.03 7	n/a	n/a		
BCDL 5.0	Code FBC2017/TPI2014		Matrix-S						
								Weight: 71 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. (lb/size) 14=695/0-5-0, 7=701/Mechanical

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

TOP CHORD 1-14=-691/0, 6-7=-696/0, 1-2=-675/0, 2-3=-1541/0, 3-4=-1825/0, 4-5=-1541/0, 5-6=-673/0

BOT CHORD 12-13=0/1261, 11-12=0/1825, 10-11=0/1825, 9-10=0/1825, 8-9=0/1263

WEBS 6-8=0/896, 1-13=0/869, 5-8=-820/0, 2-13=-816/0, 5-9=0/404, 2-12=0/405, 4-9=-491/0, 3-12=-491/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.
- 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.
- 5) CAUTION, Do not erect truss backwards.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

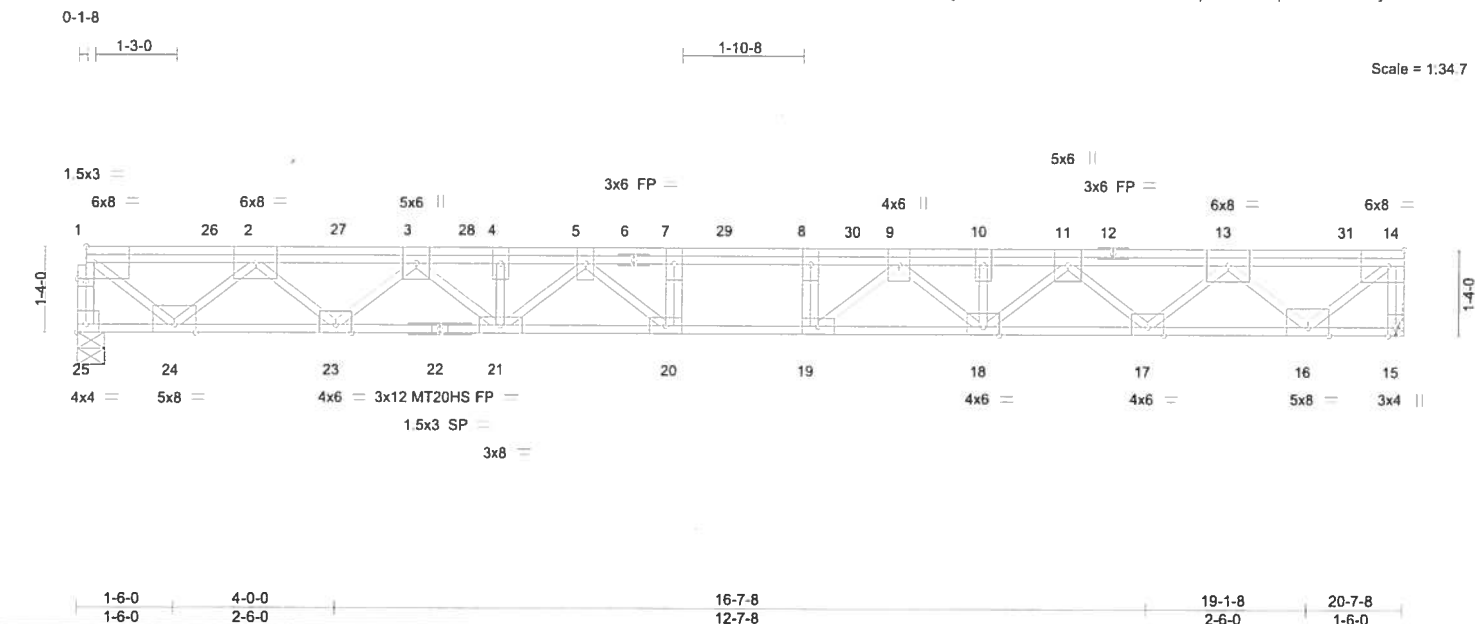
MiTek

6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644261
2150576	F05	Floor Girder	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:11 2019 Page 1
ID:vUZHOFrz47zYU9CwvLrVGCyLb8S-BvYNCBtof?GDRnoN4ThVqKYcUFX3qZW1SKXuSOyJuAc



LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.32	Vert(LL)	-0.42	19-20	>579	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.78	Vert(CT)	-0.47	19-20	>523	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	NO	WB 0.98	Horz(CT)	0.10	15	n/a		
BCDL 5.0	Code FBC2017/TPI2014		Matrix-S						
								Weight: 139 lb	FT = 20%F, 11%E

LUMBER-				BRACING-	
TOP CHORD	2x4 SP M 31(flat)			TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP M 31(flat)			BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
WEBS	2x4 SP No.3(flat)				10-0-0 oc bracing: 24-25, 15-16.

REACTIONS. (lb/size) 25=1439/0-5-0, 15=1311/Mechanical
Max Uplift 25=-543(LC 10), 15=-1026(LC 9)

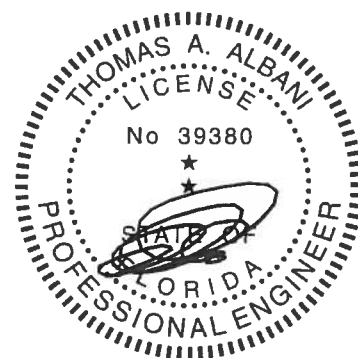
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-1432/545, 14-15=-1303/1028, 1-2=-1586/656, 2-3=-3937/1659, 3-4=-5572/2374, 4-5=-5572/2374, 5-7=-6246/2675, 7-8=-6246/2675, 8-9=-6246/2675, 9-10=-5246/2987, 10-11=-5246/2987, 11-13=-3600/2355, 13-14=-1413/1003
BOT CHORD 23-24=-1266/2979, 21-23=-2079/4867, 20-21=-2553/5993, 19-20=-2675/6246, 18-19=-2976/5762, 17-18=-2804/4492, 16-17=-1939/2678
WEBS 14-16=-1305/1840, 1-24=-847/2048, 13-16=-1715/1270, 2-24=-1891/828, 13-17=-565/1251, 2-23=-533/1299, 11-17=-1211/609, 3-23=-1262/570, 11-18=-307/1001, 3-21=-449/936, 9-18=-685/73, 5-21=-559/322, 9-19=-14/828, 5-20=-579/509, 7-20=-295/357, 8-19=-483/37

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x6 MT20 unless otherwise indicated.
- 4) The Fabrication Tolerance at joint 22 = 11%
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 25=543, 15=1026.
- 7) 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.
- 8) CAUTION, Do not erect truss backwards.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 160 lb down and 268 lb up at 2-1-4, 160 lb down and 268 lb up at 4-1-4, 160 lb down and 268 lb up at 6-1-4, 160 lb down and 268 lb up at 8-1-4, 83 lb down and 268 lb up at 10-1-4, 146 lb down and 268 lb up at 12-1-4, 84 lb down and 405 lb up at 14-1-4, 84 lb down and 405 lb up at 16-1-4, and 84 lb down and 405 lb up at 17-9-12, and 87 lb down and 390 lb up at 19-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES	T18644261
2150576	F05	Floor Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:11 2019 Page 2
ID: vUZHOFrz47zYU9CwvLrVGcyLb8S-BvYNCBtof?GDRnoN4ThVqKYcUFX3qZW1SKXuSOyJuAc

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 15-25=-10, 1-14=-100

Concentrated Loads (lb)

Vert: 12=-4(F) 13=-4(F) 10=-4(F) 5=-80(F) 26=-80(F) 27=-80(F) 28=-80(F) 29=-80(F) 30=-80(F) 31=-19(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIH-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd
Tampa, FL 36610

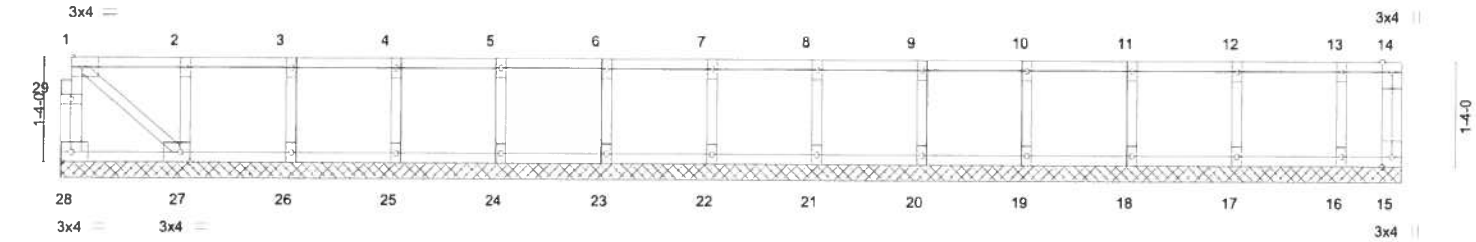
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644262
2150576	KW1	GABLE	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:11 2019 Page 1
ID vUZHOFrz47zYU9CwvLrVGcyLb8S-BvYNCBtoI?GDRnoN4ThVqKYgzFj7qoC1SKXuSOyJuAc

0-1-8

Scale = 1/28 2



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	17-0-0
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	1-4-0	0-9-4

Plate Offsets (X,Y)-- [27:0-1-8,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	15	n/a	n/a		
BCDL 5.0	Code FBC2017/TPI2014		Matrix-S							
									Weight: 78 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 17-0-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 28, 15, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16

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.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644263
2150576	KW3	GABLE	1	1	Job Reference (optional)	

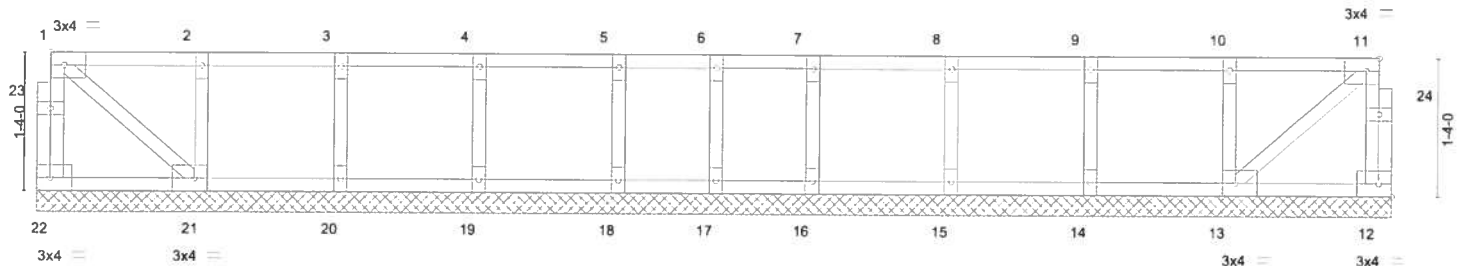
Builders FirstSource, Jacksonville, FL - 32244

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:12 2019 Page 1
ID: vUZHOFrz47zYU9CwvLrVGcyLb8S-f56lPXuQQIO43xNZeACkNY4rif3MZERBh_HS_qyJuAb

0-1-8

0-1-8

Scale = 1:21.4



1-6-12	2-10-12	4-2-12	5-6-12	6-5-15	7-5-2	8-9-2	10-1-2	11-5-2	12-11-14
1-6-12	1-4-0	1-4-0	1-4-0	0-11-3	0-11-3	1-4-0	1-4-0	1-4-0	1-6-12
Plate Offsets (X,Y) - [11:0-1-8,Edge], [13:0-1-8,Edge], [21:0-1-8,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	13	n/a	n/a		
BCDL 5.0	Code	FBC2017/TPI2014	Matrix-S						Weight: 64 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 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 21-22, 12-13.

REACTIONS. All bearings 12-11-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 13, 17, 14, 15, 16, 20, 19, 18

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.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd
Tampa, FL 33610

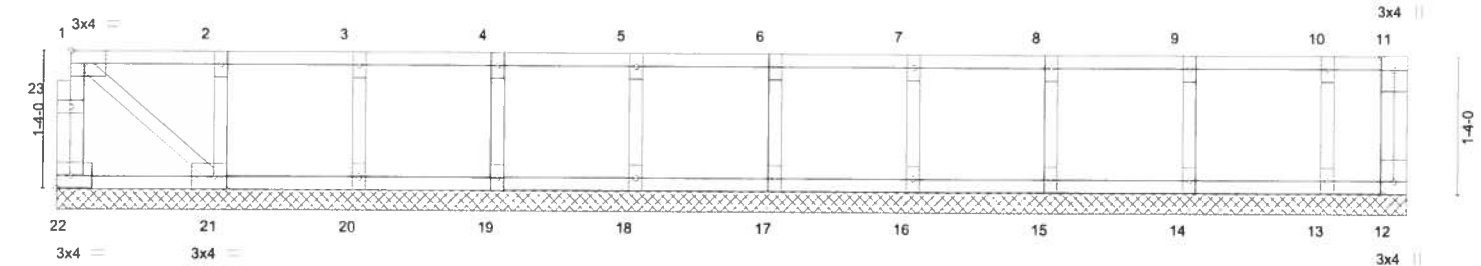
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644264
2150576	KW4	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244.

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:13 2019 Page 1
ID vUZHOFRz47zYU9CwvLrVGCyLb8S-7lg7ctv2BcXxg5xlcukzvd0T3PblhhKwe0?WHyJuAa

0-1-8

Scale = 1:21.5



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	13-0-0
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	0-9-4
Plate Offsets (X,Y)-- [21:0-1-8,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	MT20	244/190
TCCL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT)	n/a	-	n/a		
BCCL 0.0	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	12	n/a		
BCDL 5.0	Code FBC2017/TPI2014		Matrix-S					Weight: 62 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 13-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

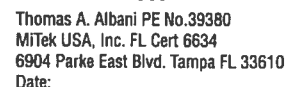
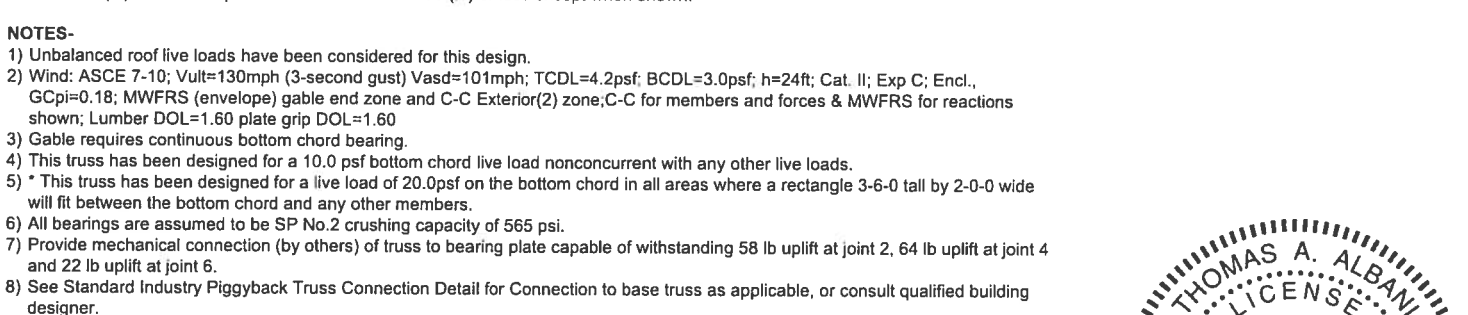
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd
Tampa, FL 33610

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:14 2019 Page 1
 ID.vUZHOfrz47zYU9CwvLrVGcYlB8S-bUEVQDwhywoflFWxmbfCSzACwTlX18lT8lmY2jyJuAZ
 2-6-0 5-0-0
 2-6-0 2-6-0



November 12.2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd
Tampa, FL 36610

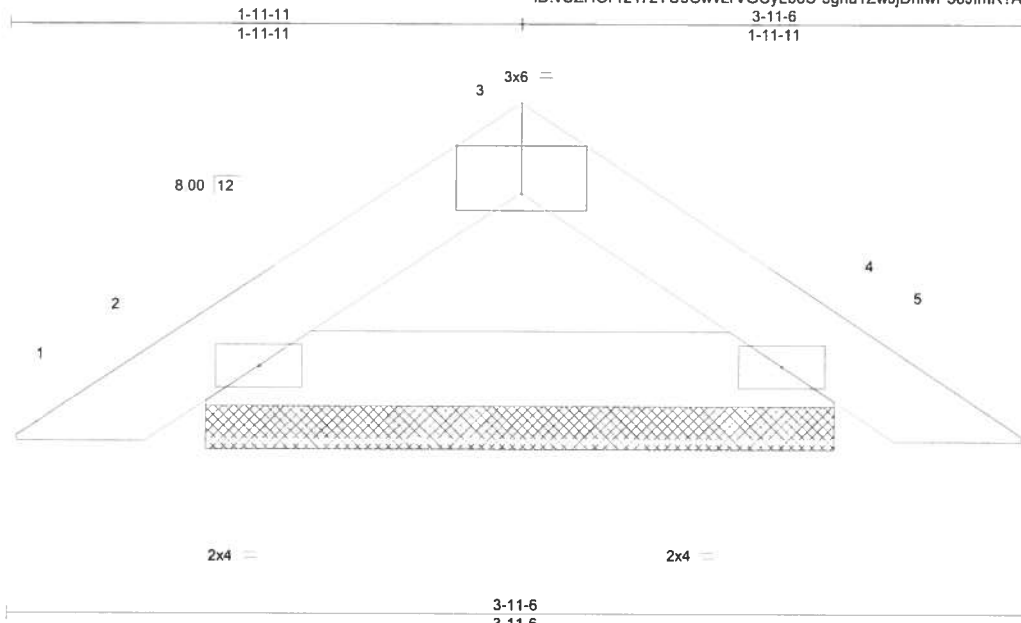
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644266
2150576	PB01G	GABLE	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:15 2019 Page 1

ID:vUZHOFrz47zYU9CwvLrVGcyLb8S-3gnu1ZwJjDnfwP58JlmR?AiN5i3BmbkdNyV6b9yJuAY

Job Reference (optional)



Scale = 1/8" = 1'-0"

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

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.03	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	0.00	4	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-P						Weight: 11 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-6 oc purins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size) 2=116/2-5-2, 4=116/2-5-2
Max Horz 2=37(LC 11)
Max Uplift 2=54(LC 12), 4=54(LC 13)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 2 and 54 lb uplift at joint 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644267
2150576	T01	Common	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:15 2019 Page 1
ID: vUZHOFrz47zYU9CwvLrVGcYlB8S-3gnu1ZwJjDnfwP58JlmR?AiKk10DmaTdNyV6b9yJuAY



4x4

Scale = 1:28.9

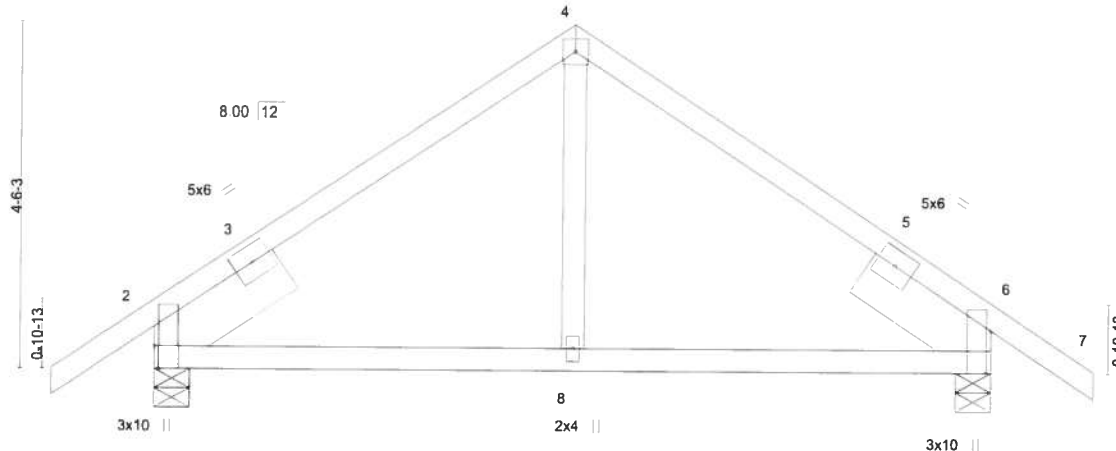


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [6:0-6-10,Edge]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.24	Vert(LL)	0.04	8-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.26	Vert(CT)	-0.04	8-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	-0.02	2	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS							
									Weight: 59 lb	FT = 20%

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

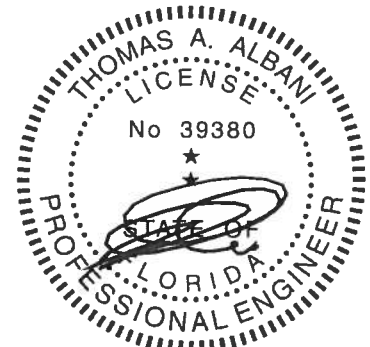
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=473/0-5-8, 6=473/0-5-8
Max Horz 2=-149(LC 10)
Max Uplift 2=-203(LC 12), 6=-203(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-405/231, 4-6=-405/231
BOT CHORD 2-8=-70/308, 6-8=-70/308

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C, Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 2 and 203 lb uplift at joint 6.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

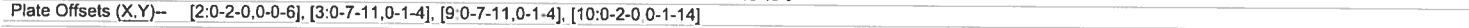
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd.
Tampa, FL 33610

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:17 2019 Page 1
ID.vUZHOfz47zYU9CwvLrVGCyLb8S-03veSEyZFr1M9iFWRjov4boiRgmGEVcwqG_Cf2yJuAW



NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDF=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2'-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" tall by 2'-0" wide will fit between the bottom chord and any other members.
- 8) All bearings are assumed to be SP No 2 crushing capacity of 565 psi.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 12 except (jt=lb) 15=121, 16=105, 13=120.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 10.



6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644269
2150576	T02	Common	3	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:18 2019 Page 1

ID:VUZHOFr247zYU9CwvLrVGcyLb8S-UFT0gazB089Dnsqj7RJ8cpKkF4lbzxx33wkmBUyJuAV

-1-4-0	5-10-14	10-11-0	15-11-3	21-10-0	23-2-0
1-4-0	5-10-14	5-0-3	5-0-2	5-10-13	1-4-0

4x6 ||

Scale = 1:50.7

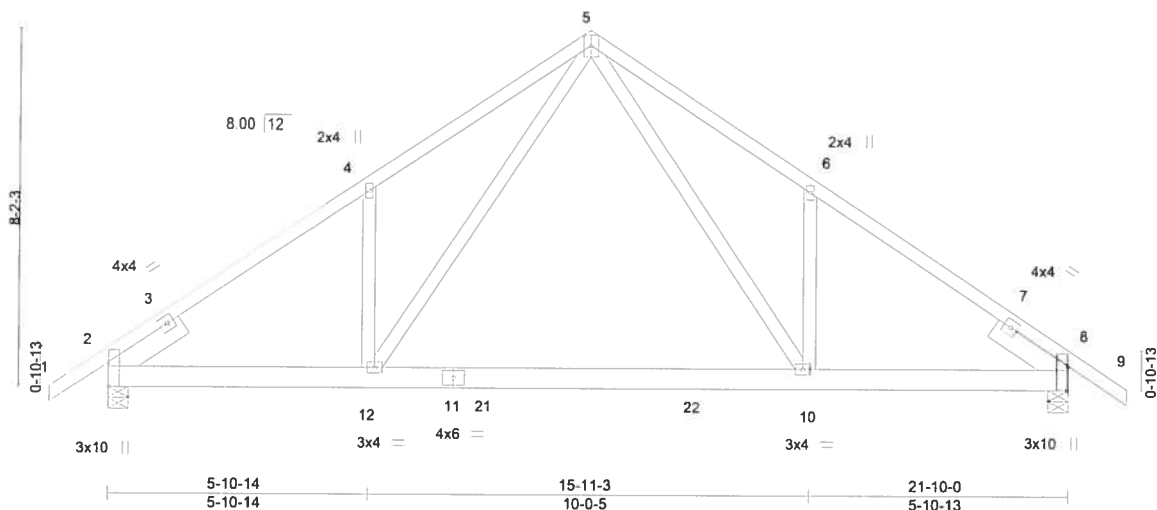


Plate Offsets (X,Y) - [2:0-6-10,Edge], [8:0-6-10,Edge]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	2-0-0	TC 0.67	Vert(LL) -0.23	10-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25		BC 0.98	Vert(CT) -0.45	10-12	>585	180		
BCLL 0.0	Rep Stress Incr NO		WB 0.93	Horz(CT) 0.03	8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 143 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-4-1 oc bracing.

REACTIONS.

(lb/size) 2=1181/0-5-8, 8=1181/0-5-8
 Max Horz 2=270(LC 11)
 Max Uplift 2=-516(LC 12), 8=-516(LC 13)
 Max Grav 2=1208(LC 19), 8=1208(LC 20)

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

TOP CHORD 2-4=-1700/764, 4-5=-1793/960, 5-6=-1793/960, 6-8=-1701/764
 BOT CHORD 2-12=-585/1516, 10-12=-271/943, 8-10=-475/1361
 WEBS 5-10=-580/1057, 6-10=-328/343, 5-12=-579/1057, 4-12=-328/343

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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, with BCDL = 10.0psf.
- 5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=516, 8=516.
- 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: 1-5=-54, 5-9=-54, 12-13=-20, 10-12=-80(F=-60), 10-17=-20



Thomas A. Albani PE No.39380
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

November 12,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

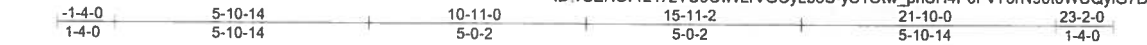
MiTek

6904 Parke East Blvd.
 Tampa, FL 36610

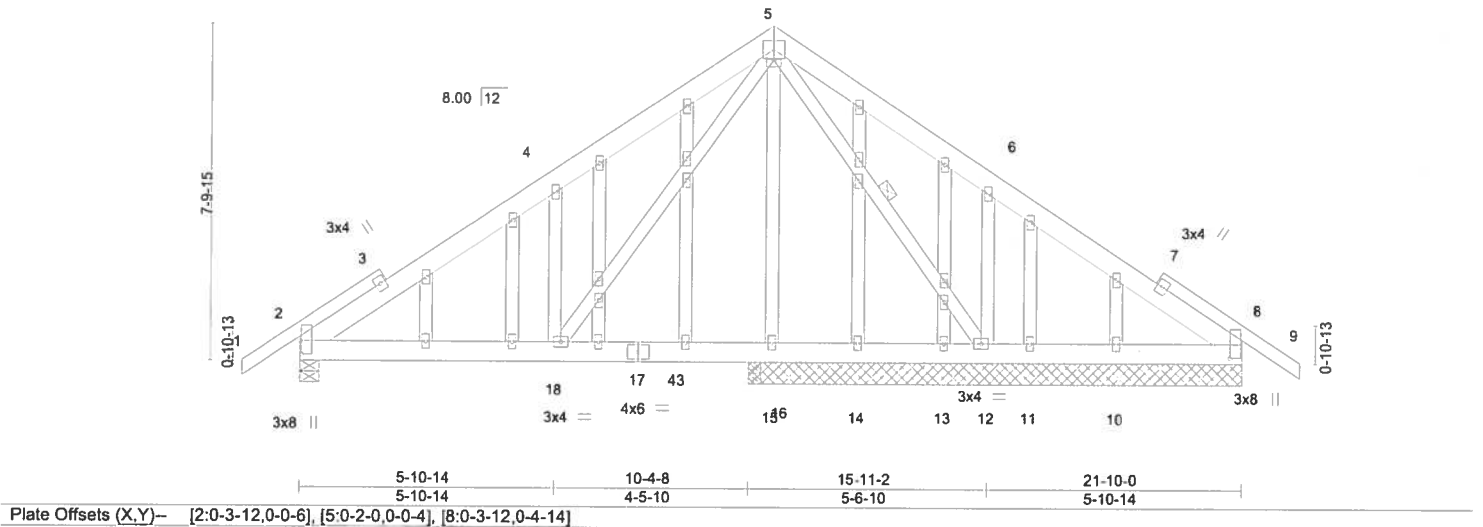
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644270
2150576	T02G	GABLE	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:19 2019 Page 1
ID: vUZHOFrz47zYU9CwvLrVGcYlB8S-yS1Otw_pnSH4P0PvY8rN90i0WUQyiG7DlaTJkwyJuAU



Scale = 1.51.7



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.25	Vert(LL) 0.03	18-37	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.14	Vert(CT) -0.03	18-37	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.61	Horz(CT) 0.01	8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS						
							Weight: 212 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD 2x6 SP No.2 *Except*		TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
1-3,7-9: 2x4 SP No.2		BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
BOT CHORD 2x6 SP No.2		WEBS	1 Row at midpt 5-12
WEBS 2x4 SP No.3			
OTHERS 2x4 SP No.3			

REACTIONS. All bearings 11-5-8 except (jt=length) 2=0-5-8, 16=0-3-8.
(lb) - Max Horz 2=-255(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 8, 11 except 2=-281(LC 12), 12=-435(LC 13), 15=-321(LC 19),
10=-101(LC 13), 16=-129(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 8, 15, 14, 13, 11, 10, 8 except 2=596(LC 1), 12=680(LC 1),
16=508(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-582/302, 4-5=-800/528
BOT CHORD 2-18=-262/605, 16-18=-80/283, 15-16=-80/283, 14-15=-80/283, 13-14=-80/283,
12-13=-80/283
WEBS 5-12=-437/198, 6-12=-421/380, 5-18=-424/643, 4-18=-451/395

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) 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, with BCDL = 10.0psf.
 - 8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 11, 8 except (jt=lb) 2=281, 12=435, 15=321, 10=101, 16=129.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N Lee Street, Suite 312, Alexandria, VA 22314.

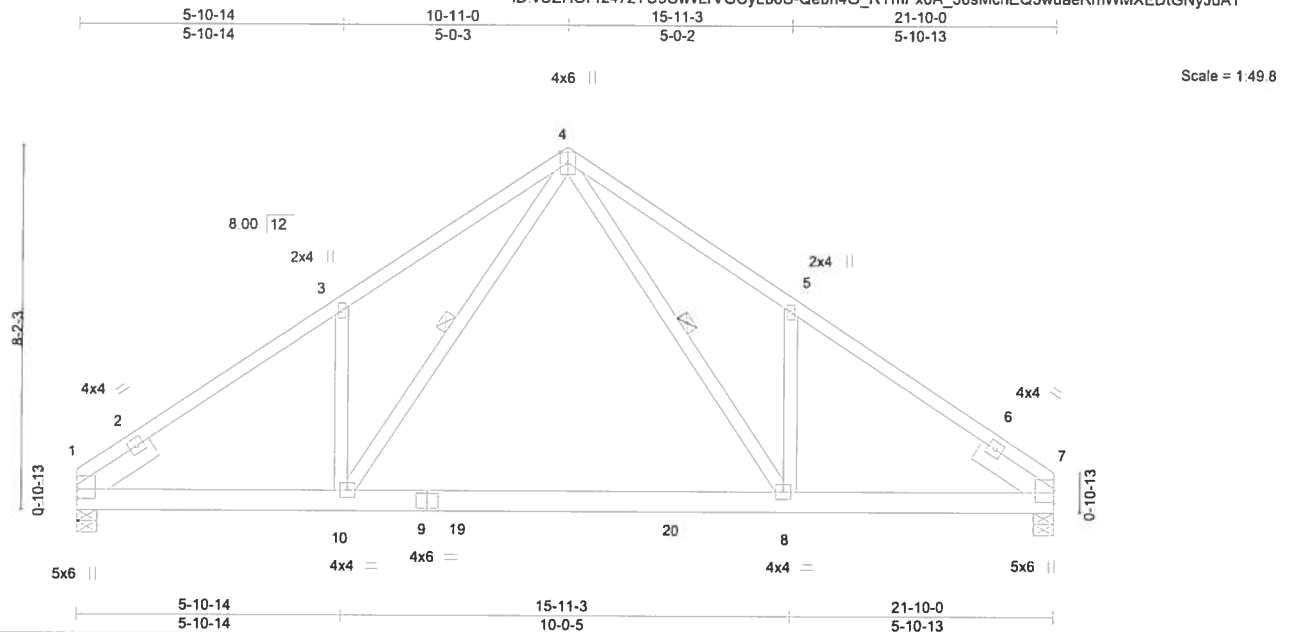
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES	T18644271
2150576	T03	Common	6	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:20 2019 Page 1

ID: vUZHOFrz47zYU9CwvLrVGcyLb8S-Qebn4G_RYmPx0A_56sMchEQ5wuueRmWMXEDtGNyJuAT



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.60	Vert(LL)	-0.22	8-10	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.95	Vert(CT)	-0.42	8-10	>621	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.41	Horz(CT)	0.03	7	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS							
									Weight: 138 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-14 oc purtins.
BOT CHORD Rigid ceiling directly applied or 8-5-3 oc bracing.
WEBS 1 Row at midpt 4-8, 4-10

REACTIONS. (lb/size) 1=1463/0-5-8, 7=1463/0-5-8
Max Horz 1=-241(LC 8)
Max Uplift 1=-646(LC 12), 7=-646(LC 13)
Max Grav 1=1511(LC 19), 7=1511(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-2022/910, 3-4=-2093/1109, 4-5=-2093/1109, 5-7=-2022/910
BOT CHORD 1-10=-736/1774, 8-10=-364/1081, 7-8=-635/1615
WEBS 4-8=-687/1278, 5-8=-336/349, 4-10=-687/1278, 3-10=-336/349

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=646, 7=646.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 11-15=-80(F=-60)



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MIT-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644272
2150576	T04	Common	10	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:21 2019 Page 1

ID: vUZHOfrz47zYU9CwvLrVGcyLb8S-uq99lc?4J3XoeKZlgZtrERyDWH?AACWVllyQopyJuAS

-1-4-0 8-0-0 15-11-0 20-0-0
1-4-0 8-0-0 7-11-0 4-1-0

5x8 =

Scale = 1:72.7

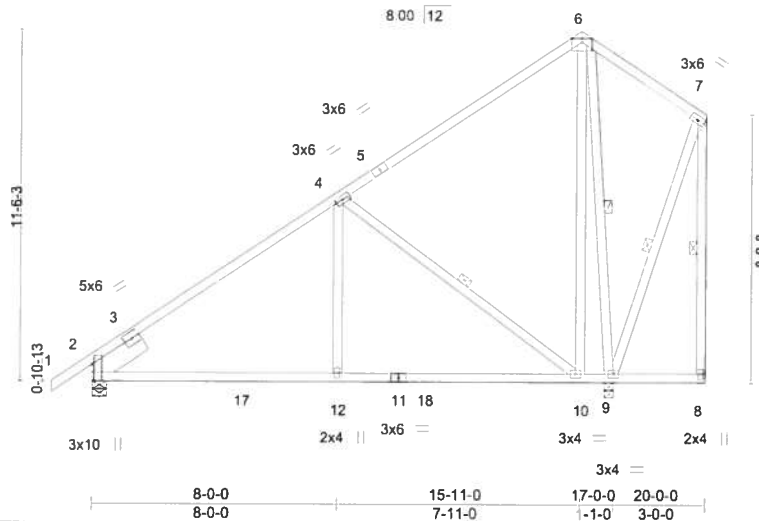


Plate Offsets (X,Y) - [2:0-6-10,Edge]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.73	Vert(LL)	0.14	12-15	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.54	Vert(CT)	-0.15	10-12	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.49	Horz(CT)	-0.05	2	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 155 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-11-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-10, 6-9, 7-8, 7-9

REACTIONS.

(lb/size) 2=679/0-5-8, 9=862/0-3-8
Max Horz 2=511(LC 12)
Max Uplift 2=-213(LC 12), 9=-487(LC 12)
Max Grav 2=743(LC 19), 9=957(LC 19)

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

TOP CHORD 2-4=-738/169
BOT CHORD 2-12=-443/703, 10-12=-443/703
WEBS 4-12=-1/377, 4-10=-800/520, 6-10=-149/496, 6-9=-806/355

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=213, 9=487.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N Lee Street, Suite 312, Alexandria, VA 22314.

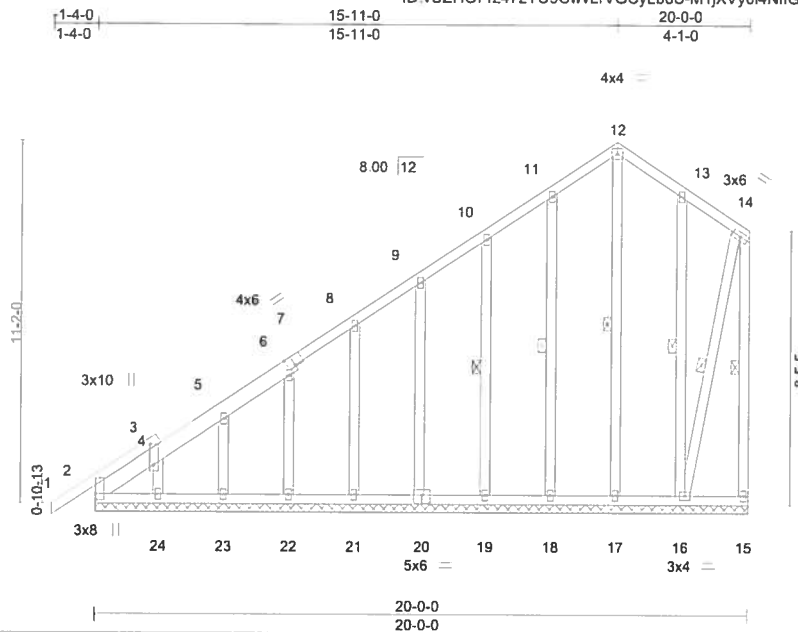
MiTek

6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES	T18644273
2150576	T04G	GABLE	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8 240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:22 2019 Page 1
ID: vUZHOFrz47zYU9CwvLrVGcyLb8S-M1jXVY0i4NffGU7UEHO4nVYEhTOvIUf_XizLFyJuAR



Scale = 1:68.3

Plate Offsets (X,Y)-- [2:0-2-4,0-0-2], [3:0-7-11 0-1-4], [7:0-2-9,Edge], [20:0-3-0 0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.10	Vert(LL)	0.00	1	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	-0.00	1	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.13	Horz(CT)	0.00	15	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S					Weight: 186 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 2-7: 2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
WEBS	2x4 SP No.3		10-0-0 oc bracing: 2-24,15-16.
OTHERS	2x4 SP No.3	WEBS	1 Row at midpt 14-15, 12-17, 11-18, 10-19, 13-16, 14-16

REACTIONS. All bearings 20-0-0.
(lb) - Max Horz 2=497(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 15, 2, 17, 23 except 18=123(LC 12), 19=122(LC 12), 20=119(LC 12), 21=124(LC 12), 22=138(LC 12), 24=187(LC 12), 16=164(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 15, 17, 18, 19, 20, 21, 22, 23, 24, 16 except 2=252(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=540/391, 3-5=434/299, 5-6=374/248, 6-8=278/175

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 2, 17, 23 except (jt=lb) 18=123, 19=122, 20=119, 21=124, 22=138, 24=187, 16=164.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.
2150576	T05	Common	4	1	T18644274

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:24 2019 Page 1

ID: vUZHOFrz47zYU9CwwLrVGCyLb8S-JPqHwe1yb_vNVnHsLhQZs4ajqV_oNbbYrRb4P8yJuAP

-1-4-0 8-0-0 15-11-0 23-10-0 31-10-0 33-2-0
1-4-0 8-0-0 7-11-0 7-11-0 8-0-0 1-4-0

4x6

Scale = 1:71.7

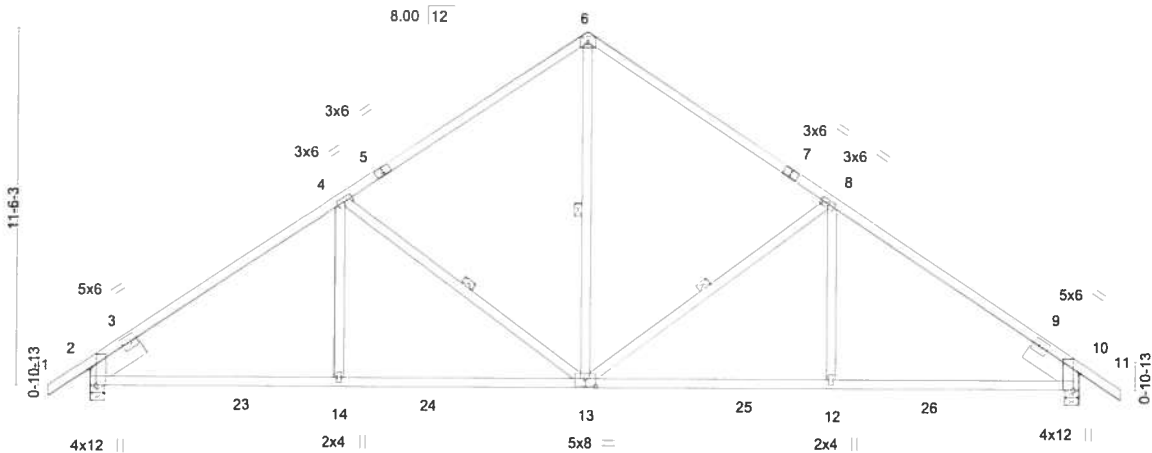


Plate Offsets (X,Y)- [2:0-6-10,Edge], [10:0-6-10,Edge] [13:0-4-0,0-3-0]

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 0.79	Vert(LL)	-0.13 12-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.74	Vert(CT)	-0.25 12-13	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.34	Horz(CT)	0.09 10	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 183 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-6-1 oc bracing.
WEBS 1 Row at midpt 6-13, 8-13, 4-13

REACTIONS.

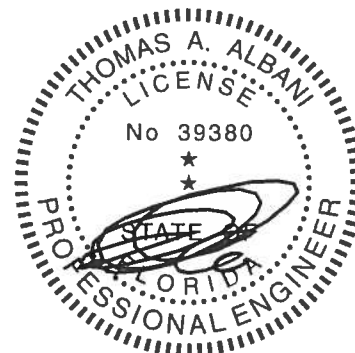
(lb/size) 2=1250/0-5-8, 10=1250/0-5-8
Max Horz 2=380(LC 11)
Max Uplift 2=-509(LC 12), 10=-509(LC 13)
Max Grav 2=1343(LC 19), 10=1343(LC 20)

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

TOP CHORD 2-4=-1701/764, 4-6=-1233/682, 6-8=-1233/682, 8-10=-1702/764
BOT CHORD 2-14=-577/1589, 13-14=-577/1589, 12-13=-451/1338, 10-12=-451/1338
WEBS 6-13=-445/930, 8-13=-698/473, 8-12=0/335, 4-13=-698/472, 4-14=0/335

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=509, 10=509.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see *ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644275
2150576	T06	Piggyback Base	6	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:25 2019 Page 1

ID: vUZHOFrz47zYU9CwvLrVGCyLb8S-ncOg8z2aM11E7xs3vPxoOH7rgvI060T5gVwexayJuAO

1-4-0 7-8-4 15-1-0 20-1-0 27-5-12 35-2-0 36-6-0
1-4-0 7-8-4 7-4-12 5-0-0 7-4-12 7-8-4 1-4-0

Scale = 1.68 6

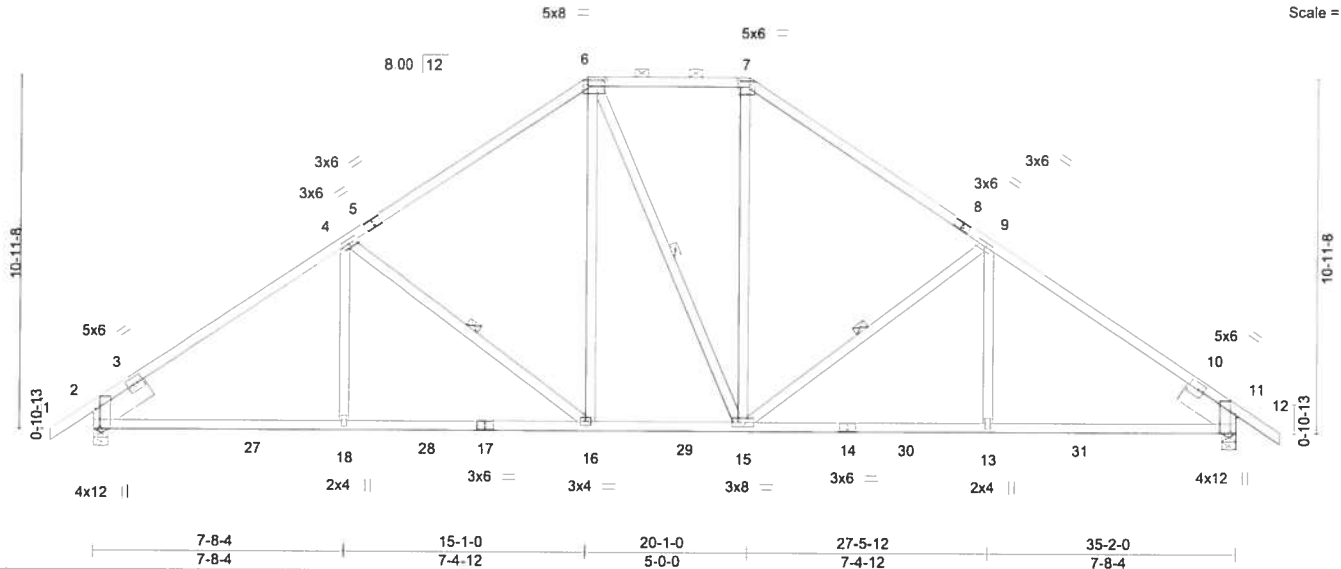


Plate Offsets (X,Y) - [2:0-6-10,Edge], [6:0-6-4,0-2-4], [7:0-4-4,0-2-4], [11:0-6-10,Edge]

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 0.98	Vert(LL)	-0.15	16-18	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.87	Vert(CT)	-0.31	16-18	>999		
BCLL 0.0	Rep Stress Incr	YES	WB 0.50	Horz(CT)	0.11	11	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS					Weight: 222 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (5-1-15 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 7-4-9 oc bracing.
WEBS 1 Row at midpt 4-16, 6-15, 9-15

REACTIONS.

(lb/size) 2=1373/0-5-8, 11=1373/0-5-8
Max Horz 2=363(LC 11)
Max Uplift 2=-540(LC 12), 11=-540(LC 13)
Max Grav 2=1424(LC 19), 11=1419(LC 20)

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

TOP CHORD 2-4=-1862/875, 4-6=-1416/808, 6-7=-1205/768, 7-9=-1408/808, 9-11=-1855/875
BOT CHORD 2-18=-612/1690, 16-18=-612/1690, 15-16=-262/1185, 13-15=-545/1469, 11-13=-545/1469
WEBS 4-18=0/303, 4-16=-643/442, 6-16=-225/580, 7-15=-198/530, 9-15=-644/442, 9-13=0/304

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=540, 11=540.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TR11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644276
2150576	T06G	GABLE	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:27 2019 Page 1
ID: vUZHOFrZ47zYU9CwvLrVGcyLb8S-j_WQYf4quvHyMF0R0q_GUIcPziAna?wO8pPk0TyJuAM

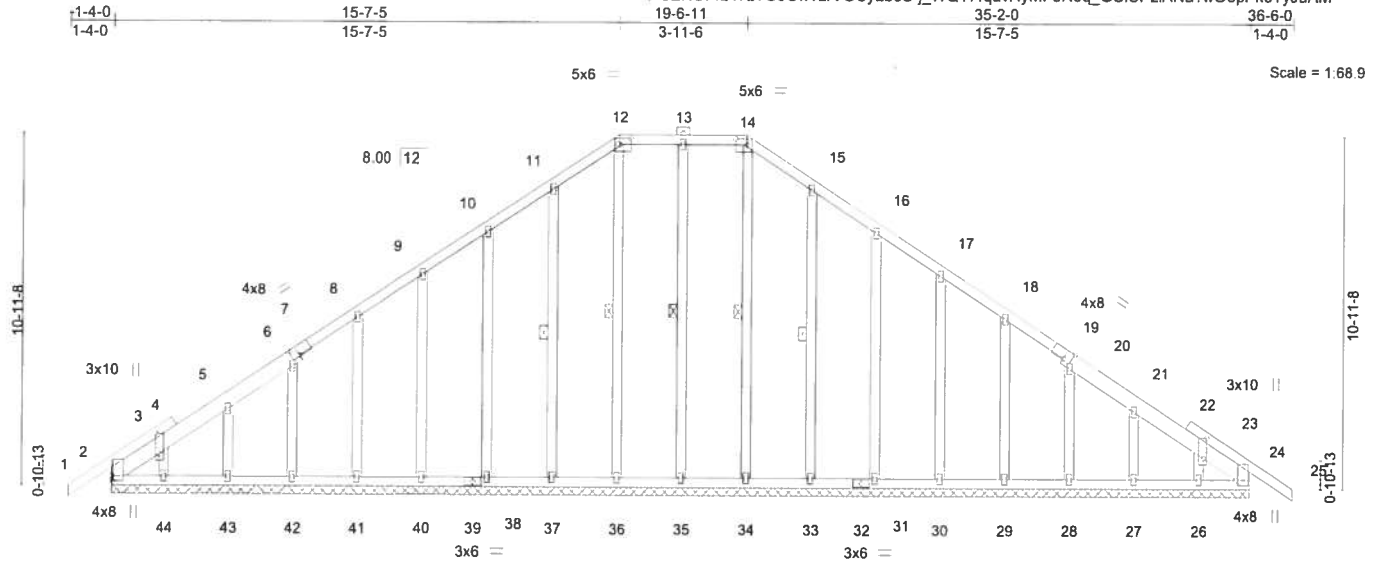


Plate Offsets (X,Y)--	[2:0-2-0,0-0-6], [3:0-7-11,0-1-4], [7:0-2-15,Edge], [12:0-4-4,0-2-4], [14:0-4-4,0-2-4], [19:0-2-15,Edge], [23:0-7-11,0-1-4], [24:0-2-0,0-0-14]
-----------------------	--

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 0.10	Vert(LL)	-0.00	25	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.04	Vert(CT)	-0.00	25	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.18	Horz(CT)	0.01	24	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S					Weight: 288 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-7,19-24: 2x6 SP No.2	2-0-0 oc purlins (6-0-0 max.); 12-14.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	WEBS 1 Row at midpt 13-35, 12-36, 11-37, 14-34, 15-33

REACTIONS. All bearings 35-2-0.
(lb) - Max Horz 2=-363(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 35, 36, 43, 24 except 2=-159(LC 8), 37=-124(LC 12), 38=-123(LC 12), 40=-120(LC 12), 41=-122(LC 12), 42=-132(LC 12), 44=-161(LC 12), 33=-121(LC 13), 31=-124(LC 13), 30=-120(LC 13), 29=-120(LC 13), 28=-129(LC 13), 27=-106(LC 13), 26=-140(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 35, 36, 37, 38, 40, 41, 42, 43, 44, 34, 33, 31, 30, 29, 28, 27, 26, 24

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-366/305, 3-5=-274/263, 9-10=-169/260, 10-11=-235/309, 11-12=-302/358, 12-13=-271/327, 13-14=-271/327, 14-15=-302/358, 15-16=-235/280, 23-24=-251/194
BOT CHORD 43-44=-171/253, 42-43=-171/253, 41-42=-171/253, 40-41=-171/253, 38-40=-171/253, 37-38=-171/253, 36-37=-171/253, 35-36=-171/253, 34-35=-171/253, 33-34=-171/253, 31-33=-171/253, 30-31=-171/253, 29-30=-171/253, 28-29=-171/253, 27-28=-171/253, 26-27=-171/253

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCp=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 35, 36, 43, 24 except (if lb) =159, 37=124, 38=123, 40=120, 41=122, 42=132, 44=161, 33=121, 31=124, 30=120, 29=120, 28=129, 27=106, 26=140.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644277
2150576	T07	Monopitch	10	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:28 2019 Page 1

ID: vUZHOfrz47zYU9CwvLrVGcyLb8S-BA4om?4TDPp_PbeaXVV0wiRN6LGJNWXMT9IvyJuAL



Scale = 1:17.8

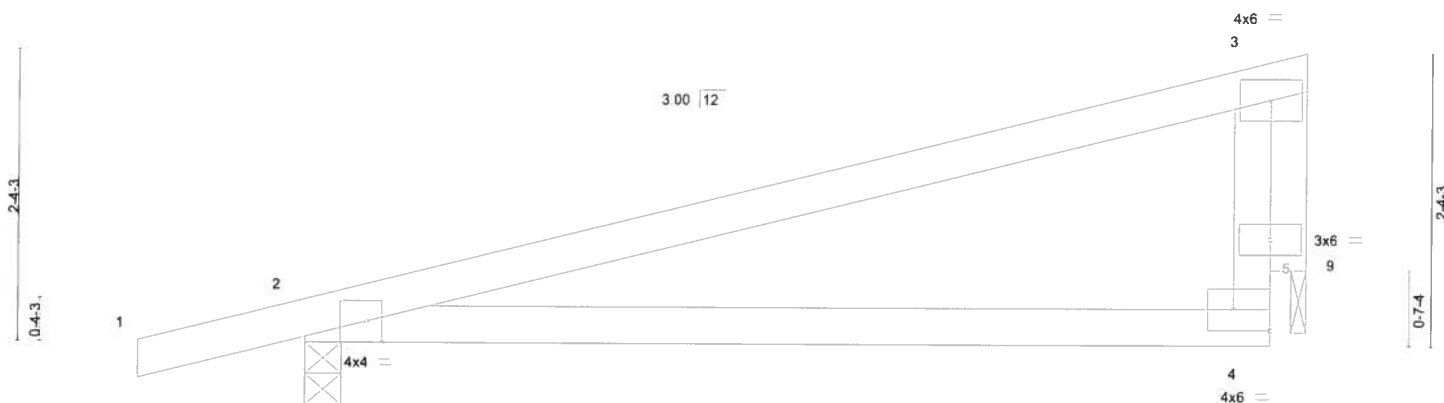


Plate Offsets (X,Y) - [2:0-1-8,Edge], [4:Edge,0-2-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	2-0-0	TC 0.69	Vert(LL) 0.32	4-8	>301	240		MT20	244/190
TCDL 7.0	Lumber DOL 1.25		BC 0.70	Vert(CT) 0.27	4-8	>348	180			
BCLL 0.0 *	Rep Stress Incr YES		WB 0.48	Horz(CT) -0.01	2	n/a	n/a			
BCDL 10.0	Code FBC2017/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 6-6-1 oc bracing.

REACTIONS. (lb/size) 2=371/0-3-8, 9=261/0-1-8
Max Horz 2=121(LC 8)
Max Uplift 2=-321(LC 8), 9=-228(LC 8)

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

TOP CHORD 2-3=-227/286, 4-5=-269/151, 3-5=-269/151
BOT CHORD 2-4=-343/192
WEBS 3-9=-281/495

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=321, 9=228.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-88 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644278
2150576	T07G	GABLE	2	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:28 2019 Page 1
ID:vUZHOFrZ47zYU9CwvLrVGcyLb8S-BA4om?4TfDPp_PbeaXVV0wlPC6NRJNSXMT9IYvyJuAL



Scale = 1:17.8

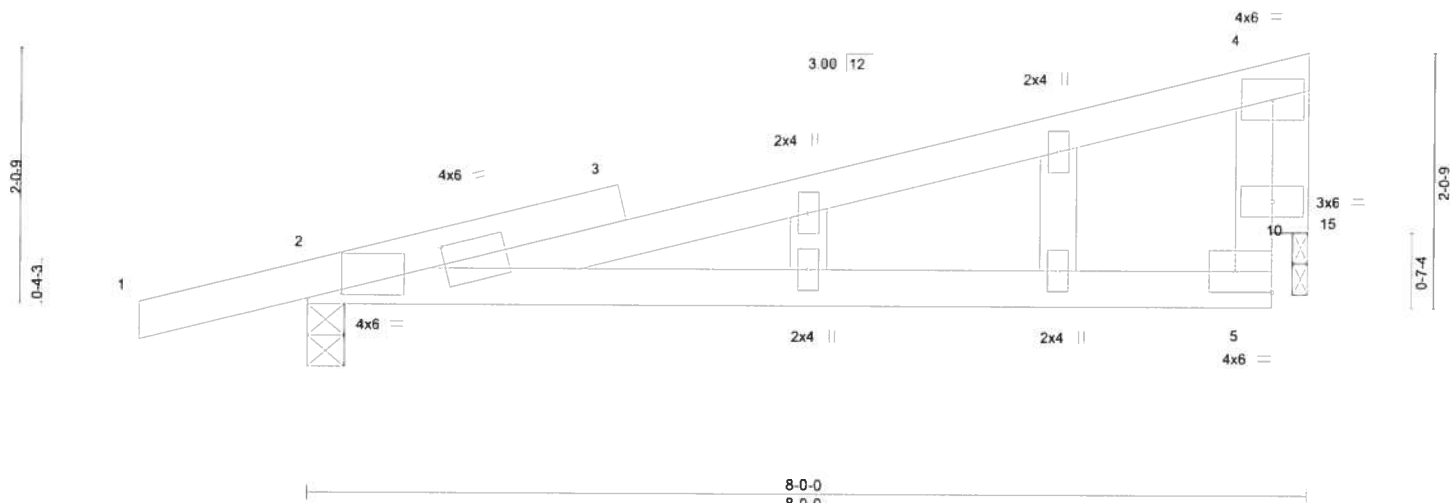


Plate Offsets (X,Y)-- [2:0-3-4,0-0-5], [2:1-1-8,0-1-12], [5:Edge,0-2-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.77	Vert(LL)	0.29	5-13	>321	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.63	Vert(CT)	0.25	5-13	>373		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.48	Horz(CT)	-0.01	2	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MR					Weight: 34 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 6-9-5 oc bracing.

REACTIONS. (lb/size) 2=375/0-3-8, 15=254/0-1-8
Max Horz 2=106(LC 8)
Max Uplift 2=330(LC 8), 15=219(LC 8)

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

TOP CHORD 2-4=-302/581, 5-10=-260/143, 4-10=-260/143
BOT CHORD 2-5=-393/222
WEBS 4-15=-285/498

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C, Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Gable studs spaced at 2-0-0 oc.
- 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 7) Bearing at joint(s) 15 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 at joint(s) 15.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=330, 15=219.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644279
2150576	T08	MONO TRUSS	16	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:29 2019 Page 1
ID:vUZHOFrz47zYU9CwvLrVGCyLb8S-fNeAzL55QXYfbYaq8F0kZ7HjrWrg2v3hb7ur4LyJuAK

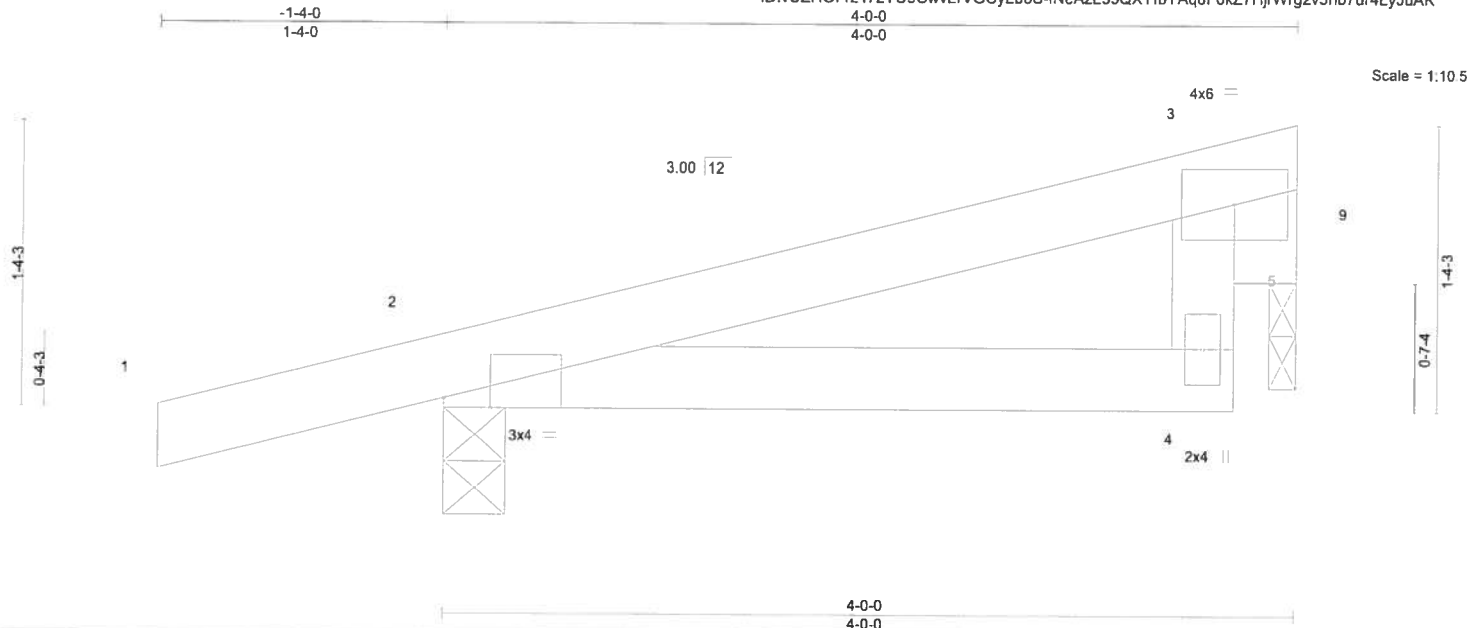


Plate Offsets (X,Y)-- [2:0-2-10,Edge]

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	4-8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.12	Vert(CT)	-0.01	4-8	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.14	Horz(CT)	-0.00	9	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MR						Weight: 15 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 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=229/0-3-8, 9=107/0-1-8
Max Horz 2=69(LC 8)
Max Uplift 2=-210(LC 8), 9=-91(LC 8)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 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) 9 except (jt=lb) 2=210.



Thomas A. Albani PE No.39380
MITek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES	T18644280
2150576	T08G	Monopitch Supported Gable	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:30 2019 Page 1

ID:vUZHOFrz47zYU9CwvLrVGcYlb8S-7ZCZh6jBqgWDi0iyXz5LqvwAznsQqneOdoyJuAJ

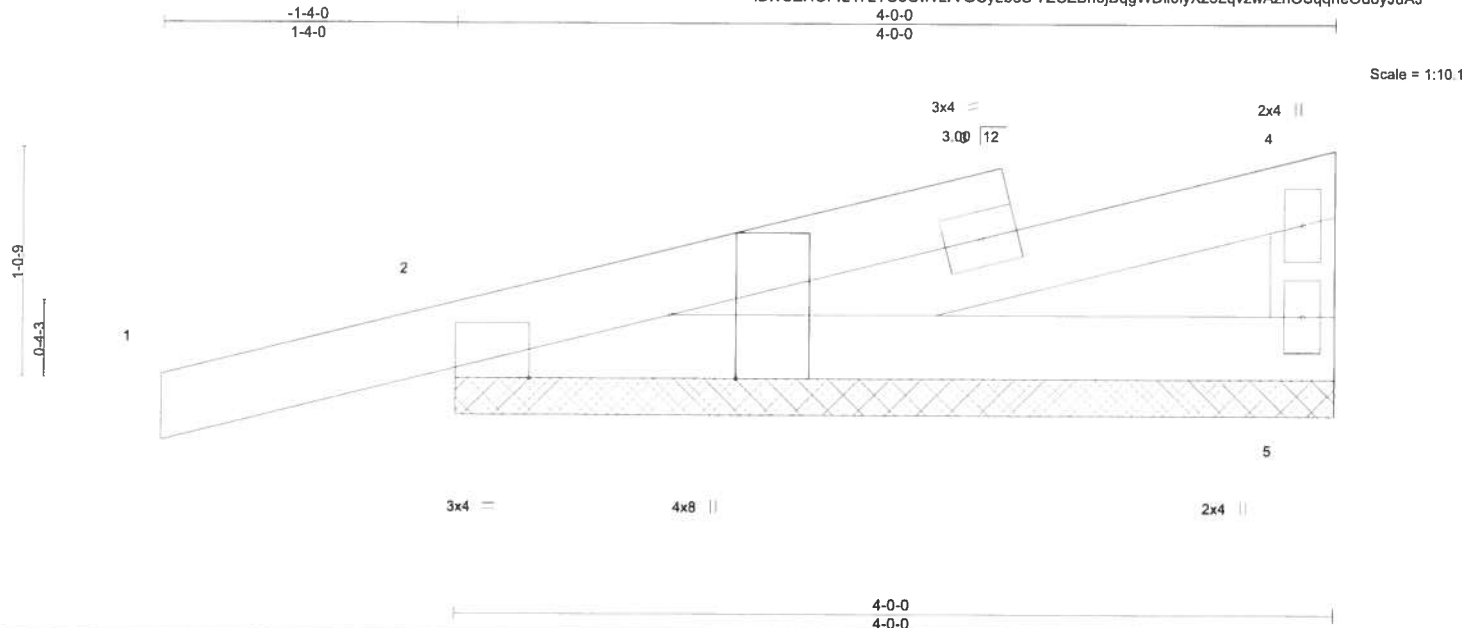


Plate Offsets (X,Y) - [2:0-3-8,Edge], [2:0-7-12,Edge]

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 0.18	Vert(CT)	0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00		n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-P						Weight: 17 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 2=227/4-0-0, 5=130/4-0-0
Max Horz 2=56(LC 8)
Max Uplift 2=164(LC 8), 5=67(LC 12)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Gable requires continuous bottom chord bearing.
- 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=164.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-T473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd
Tampa, FL 33610

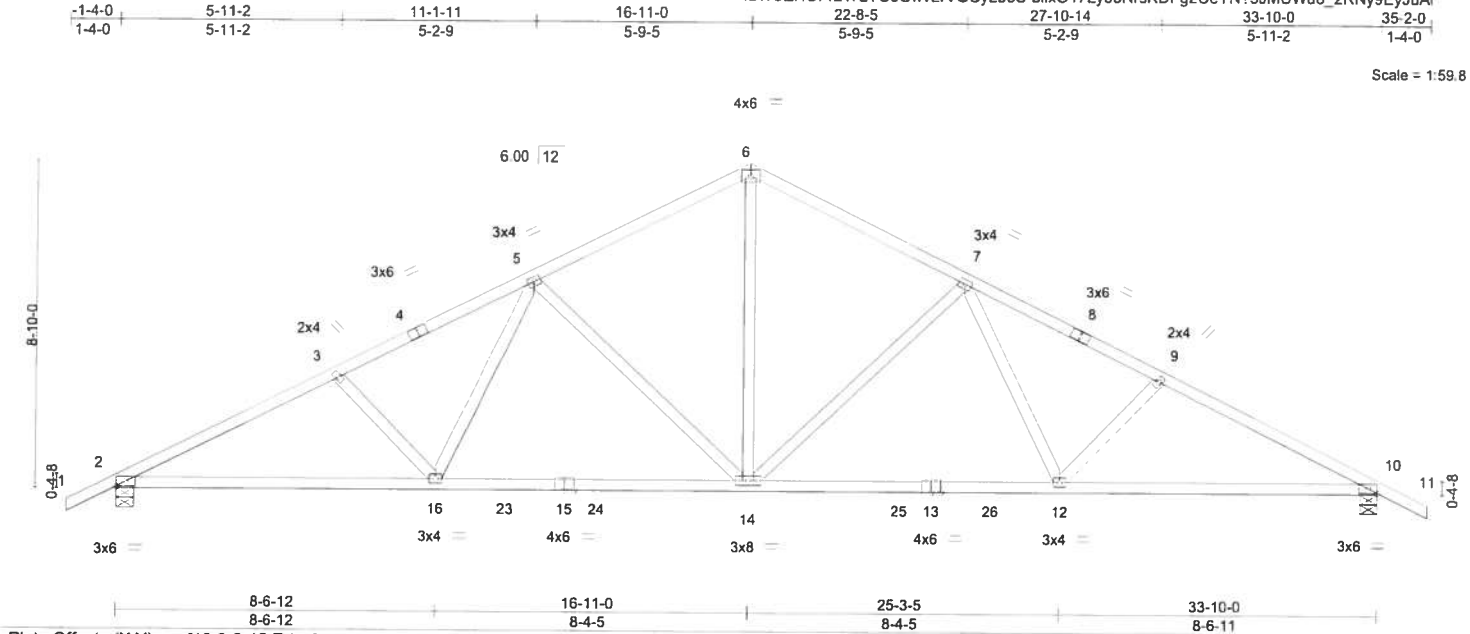
Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644281
2150576	T09	Common	16	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:31 2019 Page 1

ID: vUZHOFrz47zYU9CwvLrVGcYlB8S-bllxO17Ly8oNrsKDFg2CeYN?3JMUWd8_2RNY9EyJuAl

Scale = 1:59.8



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.47	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.80	Vert(LL) -0.18 12-14 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.87	Vert(CT) -0.34 12-14 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.10 10 n/a n/a		
	Code FBC2017/TPI2014			Weight: 176 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 3-5-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-7-4 oc bracing.

REACTIONS.

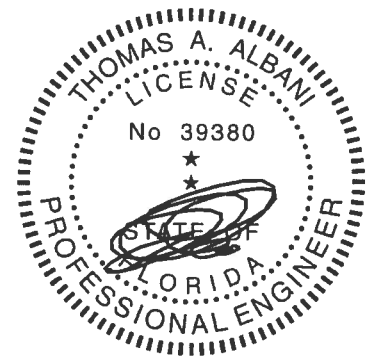
(lb/size) 2=1324/0-5-8, 10=1324/0-5-8
Max Horz 2=204(LC 12)
Max Uplift 2=-561(LC 12), 10=-561(LC 13)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2333/1357, 3-5=-2126/1291, 5-6=-1483/997, 6-7=-1483/997, 7-9=-2126/1291, 9-10=-2333/1357
BOT CHORD 2-16=-1073/2035, 14-16=-787/1671, 12-14=-790/1671, 10-12=-1084/2035
WEBS 6-14=-623/968, 7-14=-584/484, 7-12=-202/462, 9-12=-281/311, 5-14=-584/484, 5-16=-202/462, 3-16=-281/311

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=ib) 2=561, 10=561.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL - MILLER RES.	T18644282
2150576	T09G	Common Supported Gable	2	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Jul 14 2019 MiTek Industries, Inc. Tue Nov 12 15:17:33 2019 Page 1

ID:vUZHOFrz47zYU9CwvLrVGCyLb8S-Y8thpj8bUI254ATbN45gzSgQ7Eb_jOGWIs3D6yJuAG

-1-4-0 16-11-0 33-10-0 35-2-0
1-4-0 16-11-0 16-11-0 1-4-0

Scale = 1:61.4

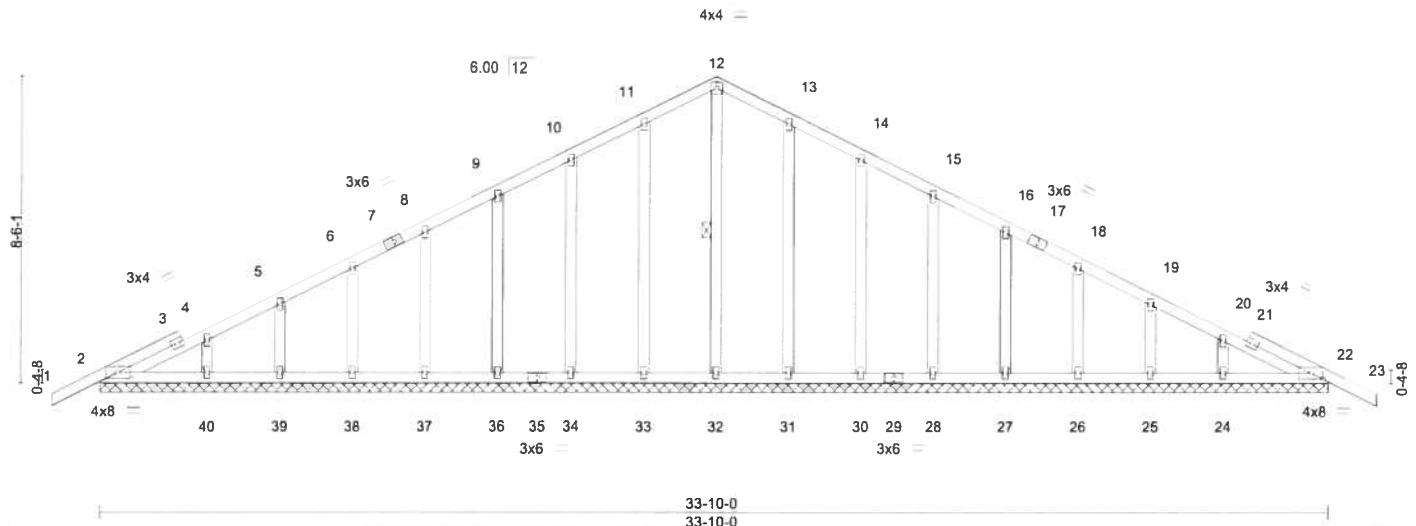


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [22:0-4-0,0-2-1]

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 0.14	Vert(LL)	-0.00	23	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	-0.00	23	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.12	Horz(CT)	0.01	22	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S							
									Weight: 211 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.
WEBS 1 Row at midpt 12-32

REACTIONS.

All bearings 33-10-0.

(lb) - Max Horz 2=197(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 2, 33, 36, 38, 40, 31, 28, 26, 24, 22 except 34=-103(LC 12), 37=-101(LC 12), 39=-103(LC 12), 30=-104(LC 13), 27=-101(LC 13), 25=-102(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 2, 32, 33, 34, 36, 37, 38, 39, 40, 31, 30, 28, 27, 26, 25, 24, 22

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

TOP CHORD 10-11=-100/280, 11-12=-121/340, 12-13=-121/340, 13-14=-100/280

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=24ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 33, 36, 38, 40, 31, 28, 26, 24, 22 except (jt=lb) 34=103, 37=101, 39=103, 30=104, 27=101, 25=102.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

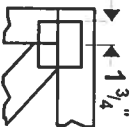
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



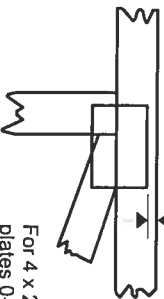
6904 Parke East Blvd
Tampa, FL 33610

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- 1/8" 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

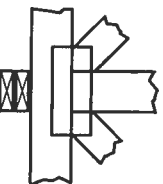
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

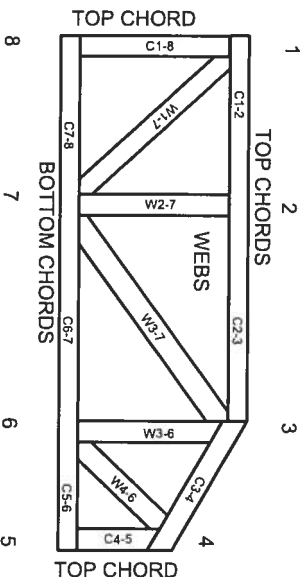


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

Lumber design values are in accordance with ANSI/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

© 2012 MITek® All Rights Reserved



MITek Engineering Reference Sheet: MII-7473 rev. 10/03/2015



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 ware at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 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/TP1 1 Quality Criteria.