



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

RE: 814104 -

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: STARR CUSTOM HOMES Project Name: 814104 Model: 4098
Lot/Block: 167 Subdivision: PABLO CREEK RESERVE
Address: N/A
City: DUVAL CTY State: Florida

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

Name: Pontigo, Luis Antonio, PE License #: 53311
Address: 420 Osceola Ave.
City: Jacksonville Beach State: Florida

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

Design Code: FBC2014/TPI2007 Design Program: MiTek 20/20 7.6
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: 55.0 psf

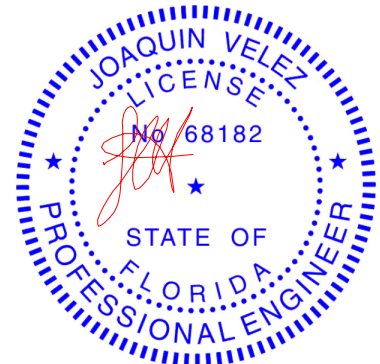
This package includes 49 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T8846950	F01	6/15/016	18	T8846967	P01	6/15/016
2	T8846951	F02	6/15/016	19	T8846968	P02	6/15/016
3	T8846952	F03	6/15/016	20	T8846969	T01	6/15/016
4	T8846953	F05	6/15/016	21	T8846970	T02	6/15/016
5	T8846954	F06	6/15/016	22	T8846971	T03	6/15/016
6	T8846955	F07	6/15/016	23	T8846972	T04	6/15/016
7	T8846956	F08	6/15/016	24	T8846973	T05	6/15/016
8	T8846957	F09	6/15/016	25	T8846974	T06	6/15/016
9	T8846958	F10	6/15/016	26	T8846975	T07	6/15/016
10	T8846959	F11	6/15/016	27	T8846976	T08	6/15/016
11	T8846960	F11A	6/15/016	28	T8846977	T09	6/15/016
12	T8846961	F12	6/15/016	29	T8846978	T10	6/15/016
13	T8846962	F13	6/15/016	30	T8846979	T11	6/15/016
14	T8846963	F15	6/15/016	31	T8846980	T12	6/15/016
15	T8846964	F16	6/15/016	32	T8846981	T13	6/15/016
16	T8846965	F17	6/15/016	33	T8846982	T14	6/15/016
17	T8846966	F18	6/15/016	34	T8846983	T15	6/15/016

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

Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2017.

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.



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

June 15,2016

RE: 814104 -

Site Information:

Customer Info: STARR CUSTOM HOMES Project Name: 814104 Model: 4098
Lot/Block: 167 Subdivision: PABLO CREEK RESERVE
Address: N/A
City: DUVAL CTY State: Florida

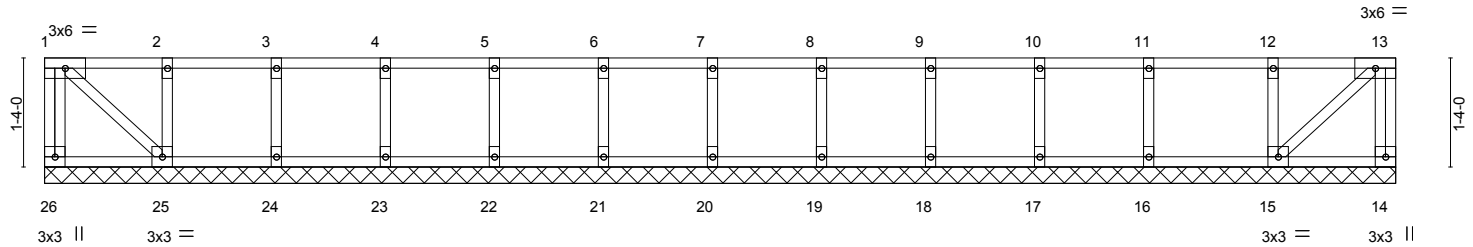
No.	Seal#	Truss Name	Date
35	T8846984	T16	6/15/016
36	T8846985	T17	6/15/016
37	T8846986	T18	6/15/016
38	T8846987	T19	6/15/016
39	T8846988	T20	6/15/016
40	T8846989	T21	6/15/016
41	T8846990	T22	6/15/016
42	T8846991	T23	6/15/016
43	T8846992	T24	6/15/016
44	T8846993	T25	6/15/016
45	T8846994	T26	6/15/016
46	T8846995	T27	6/15/016
47	T8846996	T28	6/15/016
48	T8846997	T29	6/15/016
49	T8846998	T30	6/15/016

Job 814104	Truss F01	Truss Type Floor Supported Gable	Qty 1	Ply 1	Job Reference (optional) T8846950
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Builders FirstSource, Jacksonville, FL 32244

7,640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:18:51 2016 Page 1
ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-V2i5sgJ7qy95magQfmNyS7FJv0?I8eqApwHNmaz63gY

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LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	80.0	Plate Grip DOL	2-0-0	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	20.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999	Weight: 78 lb FT = 11%F, 11%E		
BCLL	0.0	Rep Stress Incr	YES	WB	0.08	Horz(TL)	-0.00	14	n/a	n/a			
BCDL	5.0	Code	FBC2014/TPI2007	(Matrix)									

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 25-26,14-15.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS. All bearings 16-6-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14 except 25=326(LC 1), 24=269(LC 1), 23=283(LC 1), 22=279(LC 1), 21=280(LC 1), 20=280(LC 1), 19=280(LC 1), 18=281(LC 1), 17=275(LC 1), 16=296(LC 1), 15=347(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-25=-308/0, 3-24=-256/0, 4-23=-269/0, 5-22=-266/0, 6-21=-267/0, 7-20=-267/0, 8-19=-266/0, 9-18=-268/0, 10-17=-262/0, 11-16=-282/0, 12-15=-328/0

- NOTES-** (7-8)
- 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) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 6) 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.
 - 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

<p>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.</p>	 6904 Parke East Blvd. Tampa, FL 36610
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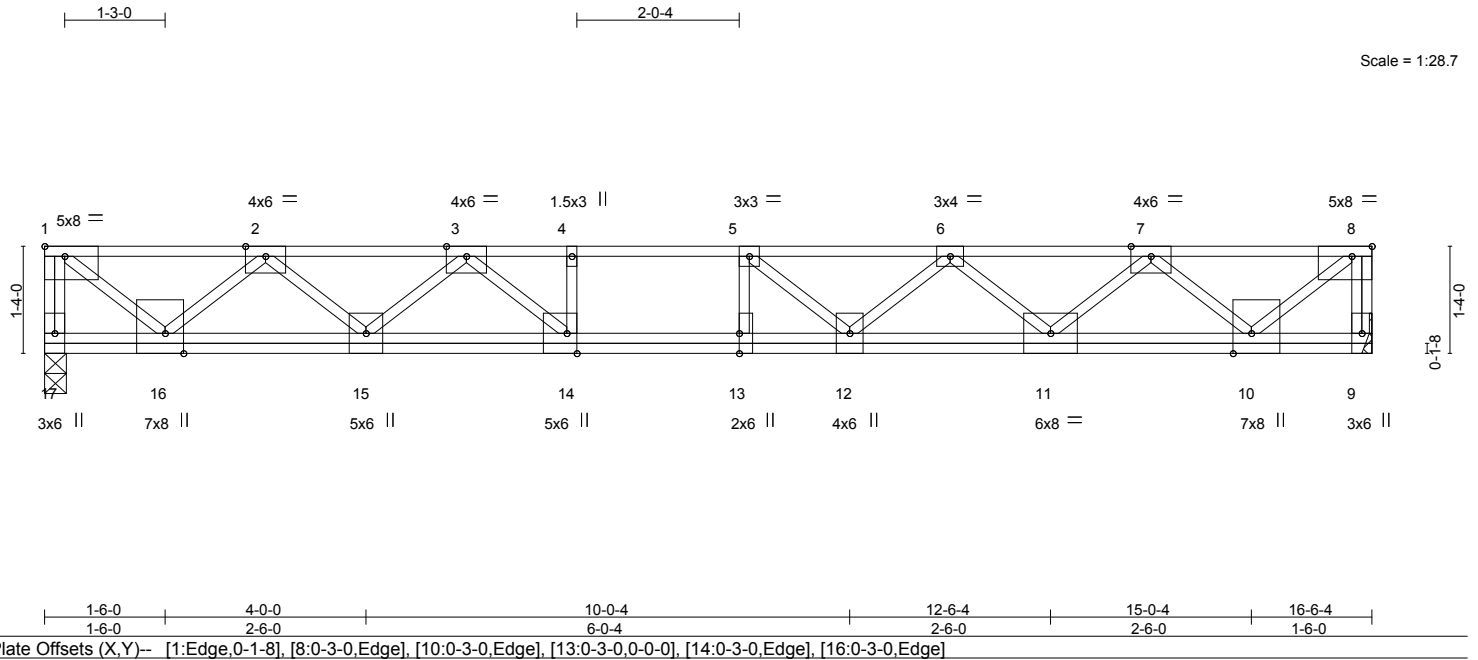
Job 814104	Truss F02	Truss Type Floor	Qty 8	Ply 1	Job Reference (optional) T8846951
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 80.0	2-0-0	TC 0.54	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.96	Vert(LL) -0.26 13 >740 360		
BCLL 0.0	Lumber DOL 1.00	WB 0.65	Vert(TL) -0.39 13 >505 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.05 9 n/a n/a		
	Code FBC2014/TPI2007			Weight: 108 lb	FT = 11%F, 11%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.2(flat) *Except*
1-17,8-9,4-14,5-13: 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: 2-2-0 oc bracing: 13-14.

REACTIONS. (lb/size) 17=1708/0-3-4, 9=1708/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-1694/0, 8-9=-1688/0, 1-2=-1782/0, 2-3=-4294/0, 3-4=-5930/0, 4-5=-5930/0, 5-6=-5687/0, 6-7=-4333/0, 7-8=-1770/0
BOT CHORD 15-16=0/3368, 14-15=0/5274, 13-14=0/5930, 12-13=0/5930, 11-12=0/5286, 10-11=0/3365
WEBS 8-10=0/2304, 1-16=0/2320, 7-10=-2164/0, 2-16=-2151/0, 7-11=0/1312, 2-15=0/1255, 6-11=-1293/0, 3-15=-1330/0, 6-12=0/702, 3-14=0/1263, 5-12=-917/271, 4-14=-382/0, 5-13=-574/276

- NOTES-** (5-6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 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) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 6) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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 36610

Job 814104	Truss F03	Truss Type Floor	Qty 3	Ply 1	Job Reference (optional) T8846952
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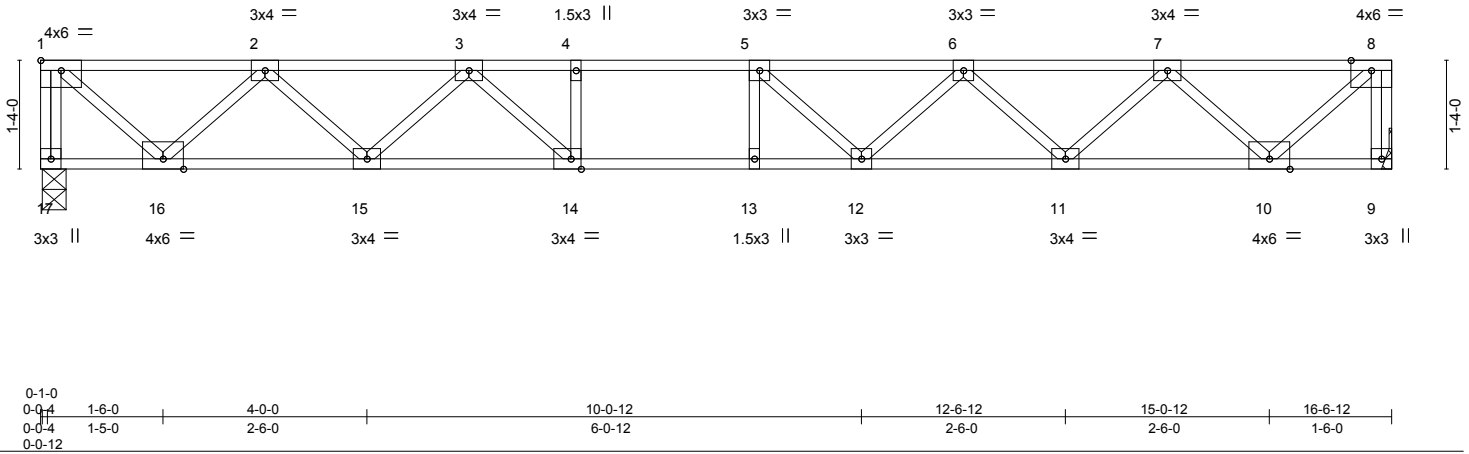


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [14:0-1-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.77	Vert(LL)	-0.22	12-13	>897	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.98	Vert(TL)	-0.33	12-13	>589		
BCLL 0.0	Rep Stress Incr YES	WB 0.57	Horz(TL)	0.05	9	n/a		
BCDL 5.0	Code FBC2014/TPI2007	(Matrix)					Weight: 86 lb	FT = 11%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-10-15 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 13-14,12-13.

REACTIONS. (lb/size) 17=897/0-3-8, 9=897/Mechanical

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

TOP CHORD 1-17=-893/0, 8-9=-891/0, 1-2=-899/0, 2-3=-2157/0, 3-4=-2978/0, 4-5=-2978/0, 5-6=-2847/0, 6-7=-2176/0, 7-8=-892/0
 BOT CHORD 15-16=0/1686, 14-15=0/2628, 13-14=0/2978, 12-13=0/2978, 11-12=0/2649, 10-11=0/1681
 WEBS 8-10=0/1188, 1-16=0/1196, 7-10=-1097/0, 2-16=-1095/0, 7-11=0/688, 2-15=0/655, 6-11=-658/0, 3-15=-656/0, 6-12=0/385, 3-14=0/692, 5-12=-441/92, 4-14=-299/0

NOTES- (5-6)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 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) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 6) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss F05	Truss Type Floor	Qty 2	Ply 1	Job Reference (optional) T8846953
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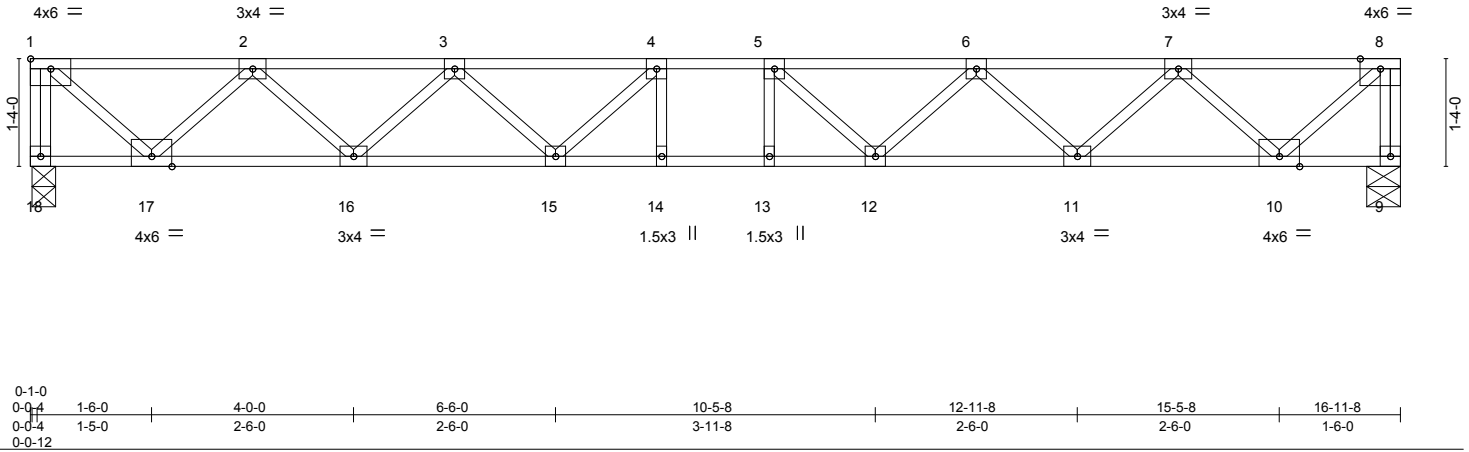


Plate Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0 Plate Grip DOL 1.00	TC 0.56	Vert(LL) -0.20	13-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 1.00	Vert(TL) -0.31	13-14	>648	240		
BCLL 0.0	Rep Stress Incr YES	WB 0.58	Horz(TL) 0.06	9	n/a	n/a		
BCDL 5.0	Code FBC2014/TPI2007	(Matrix)					Weight: 90 lb	FT = 11%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 1-4-12 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 18=919/0-3-8, 9=919/0-5-0

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-18=-913/0, 8-9=-913/0, 1-2=-917/0, 2-3=-2245/0, 3-4=-2960/0, 4-5=-3176/0, 5-6=-2960/0, 6-7=-2245/0, 7-8=-917/0
 BOT CHORD 16-17=0/1730, 15-16=0/2734, 14-15=0/3176, 13-14=0/3176, 12-13=0/3176, 11-12=0/2734, 10-11=0/1730
 WEBS 8-10=0/1221, 1-17=0/1221, 7-10=-1131/0, 2-17=-1131/0, 7-11=0/717, 2-16=0/717, 6-11=-679/0, 3-16=-679/0, 6-12=0/401, 3-15=0/401, 5-12=-480/33, 4-15=-480/33

- NOTES- (5-6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x3 MT20 unless otherwise indicated.
 - 3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 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) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 6) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss F06	Truss Type Floor	Qty 2	Ply 1	Job Reference (optional) T8846954
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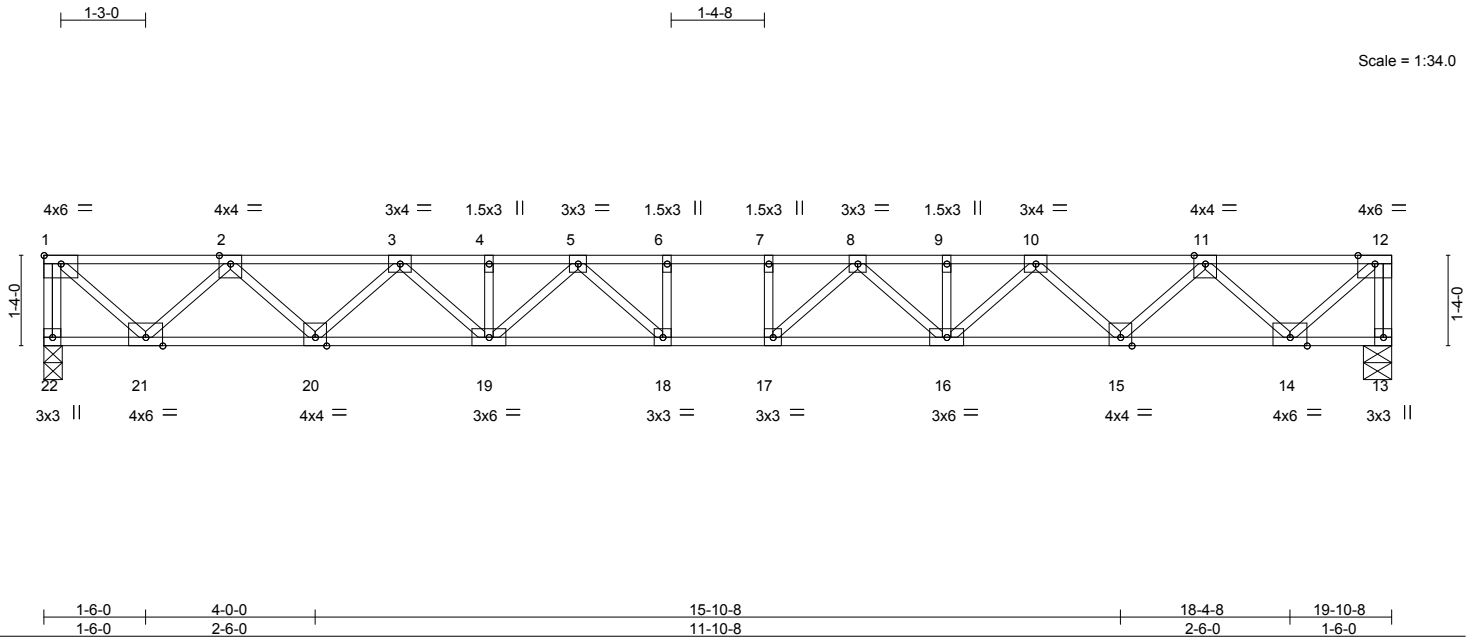


Plate Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.60	Vert(LL)	-0.35	17-18	>681	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.83	Vert(TL)	-0.54	17-18	>436		
BCLL 0.0	Lumber DOL 1.00	WB 0.70	Horz(TL)	0.09	13	n/a		
BCLD 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2014/TPI2007						Weight: 106 lb	FT = 11%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 5-7-1 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 22=1079/0-3-4, 13=1079/0-5-0

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

TOP CHORD 1-22=-1072/0, 12-13=-1072/0, 1-2=-1101/0, 2-3=-2752/0, 3-4=-3861/0, 4-5=-3861/0, 5-6=-4357/0, 6-7=-4357/0, 7-8=-4357/0, 8-9=-3861/0, 9-10=-3861/0, 10-11=-2752/0, 11-12=-1101/0

BOT CHORD 20-21=0/2081, 19-20=0/3395, 18-19=0/4184, 17-18=0/4357, 16-17=0/4184, 15-16=0/3395, 14-15=0/2081

WEBS 12-14=0/1466, 1-21=0/1466, 11-14=-1363/0, 2-21=-1363/0, 11-15=0/932, 2-20=0/932, 10-15=-895/0, 3-20=-895/0, 10-16=0/633, 3-19=0/633, 8-16=-455/0, 5-19=-455/0, 8-17=-152/559, 5-18=-152/559, 6-18=-261/24, 7-17=-261/24

- NOTES- (4-5)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 5) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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.



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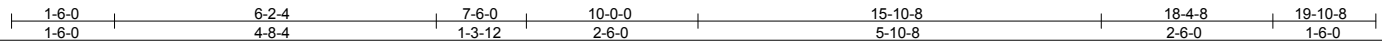
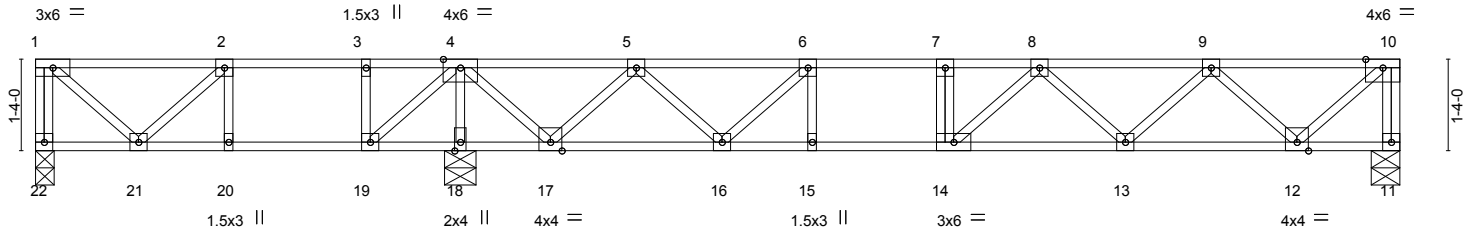
Job 814104	Truss F07	Truss Type Floor	Qty 2	Ply 1	Job Reference (optional) T8846955
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7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:18:54 2016 Page 1
ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-vdODUil?7tXgd2O?Kuxf4mll7DpTLvecVuV1Nvz63gV



Scale = 1:33.6



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 0.54	Vert(LL)	-0.14	13-14	>999	360	MT20
TCDL 10.0	Lumber DOL	1.00	BC 0.91	Vert(TL)	-0.21	13-14	>769	240	244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.46	Horz(TL)	0.04	11	n/a	n/a	
BCDL 5.0	Code	FBC2014/TPI2007	(Matrix)						
									Weight: 105 lb FT = 11%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 22=320/0-3-4, 11=740/0-5-0, 18=1099/0-5-8
Max Grav 22=366(LC 3), 11=744(LC 7), 18=1111(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-366/0, 10-11=-736/0, 1-2=-282/0, 2-3=-489/47, 3-4=-489/47, 4-5=-685/0, 5-6=-1655/0, 6-7=-2039/0, 7-8=-2039/0, 8-9=-1689/0, 9-10=-719/0
BOT CHORD 20-21=-47/489, 19-20=-47/489, 16-17=0/1304, 15-16=0/2039, 14-15=0/2039, 13-14=0/1975, 12-13=0/1357
WEBS 4-18=-1149/0, 1-21=0/375, 4-19=0/554, 2-21=-281/81, 10-12=0/957, 4-17=0/954, 9-12=-888/0, 5-17=-886/0, 9-13=0/461, 5-16=0/528, 8-13=-398/0, 6-16=-579/0, 8-14=-79/325

- NOTES-** (6-7)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x3 MT20 unless otherwise indicated.
 - 3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 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.
 - 6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 7) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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.



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Job 814104	Truss F08	Truss Type Floor	Qty 5	Ply 1	Job Reference (optional) T8846956
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Builders FirstSource, Jacksonville, FL 32244

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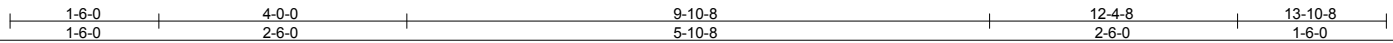
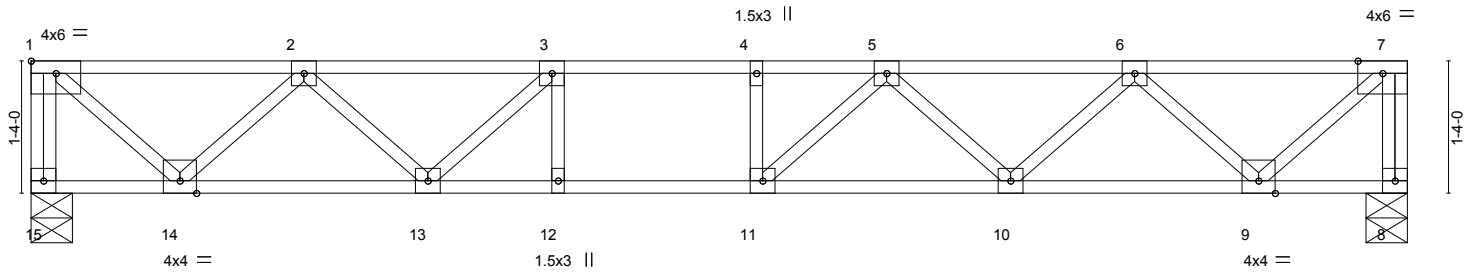


Plate Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.58	Vert(LL)	-0.15	10-11	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.94	Vert(TL)	-0.22	10-11	>757		
BCLL 0.0	Lumber DOL 1.00	WB 0.46	Horz(TL)	0.03	8	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2014/TPI2007						Weight: 73 lb	FT = 11%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: 2-2-0 oc bracing: 11-12.

REACTIONS. (lb/size) 15=749/0-5-0, 8=749/0-5-0

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-745/0, 7-8=-742/0, 1-2=-726/0, 2-3=-1700/0, 3-4=-2069/0, 4-5=-2069/0, 5-6=-1704/0, 6-7=-725/0
BOT CHORD 13-14=0/1359, 12-13=0/2069, 11-12=0/2069, 10-11=0/1996, 9-10=0/1369
WEBS 7-9=0/965, 1-14=0/967, 6-9=-895/0, 2-14=-881/0, 6-10=0/467, 2-13=0/484, 5-10=-405/0, 3-13=-588/0, 5-11=-106/360

- NOTES-** (5-6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x3 MT20 unless otherwise indicated.
 - 3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 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) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 6) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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

Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314. **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



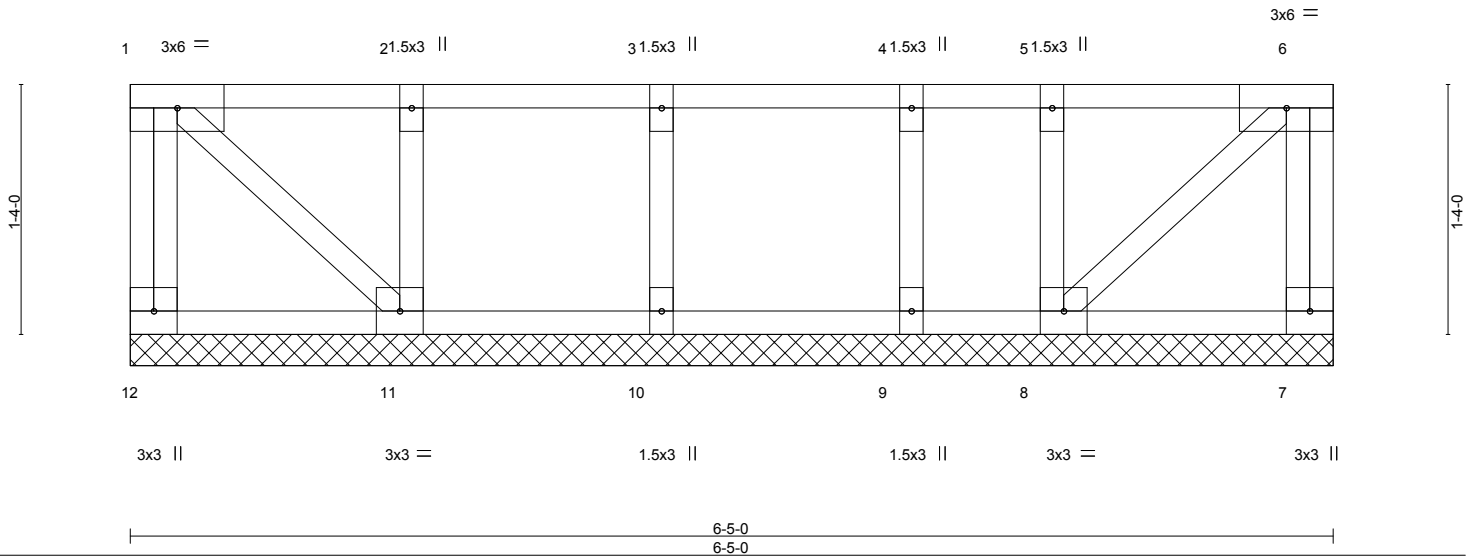
6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss F09	Truss Type Floor Supported Gable	Qty 1	Ply 1	Job Reference (optional) T8846957
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Builders FirstSource, Jacksonville, FL 32244

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Scale = 1:12.3



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
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(TL)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(TL)	-0.00	7	n/a		
BCDL 5.0	Code	FBC2014/TPI2007	(Matrix)						
								Weight: 37 lb	FT = 11%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-5-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 6-5-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 9, 8

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

- NOTES-** (6-7)
- Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 14-0 oc.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 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.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

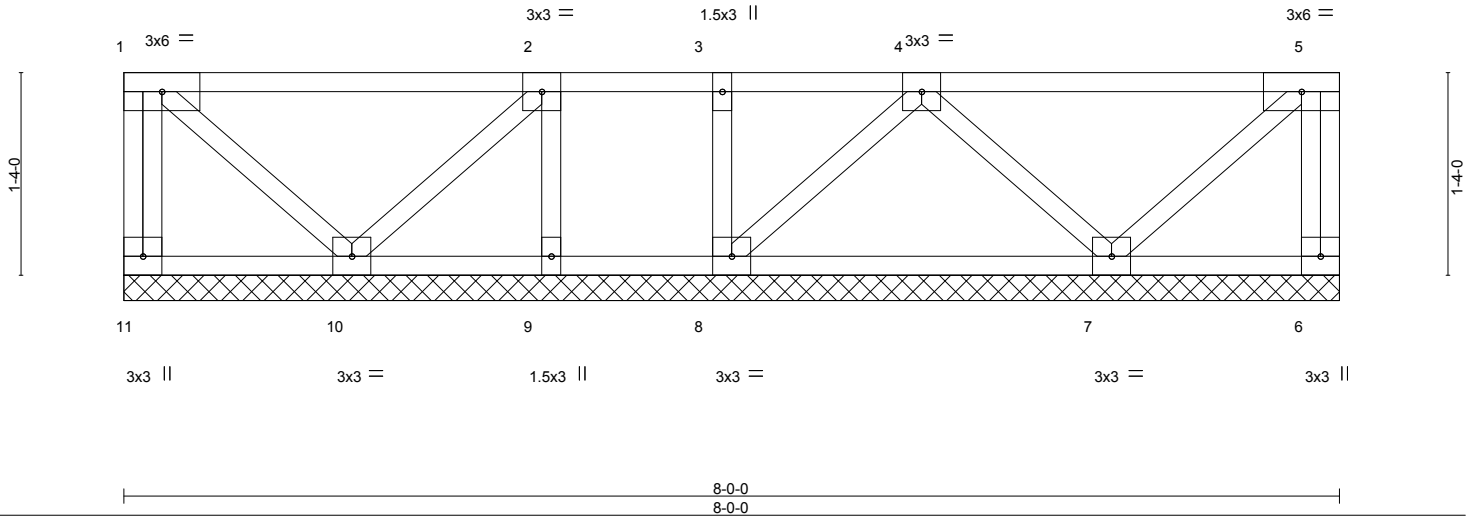
Job 814104	Truss F10	Truss Type Floor Supported Gable	Qty 1	Ply 1	Job Reference (optional) T8846958
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Scale = 1:15.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.40	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.06	Vert(TL)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.06	Horz(TL)	0.00	6	n/a		
BCDL 5.0	Code	FBC2014/TPI2007	(Matrix)						
								Weight: 46 lb	FT = 11%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 8-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. All bearings 8-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 11, 6, 7, 10, 8 except 9=266(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-259/0

- NOTES-** (4-5)
- 1) Gable requires continuous bottom chord bearing.
 - 2) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 5) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

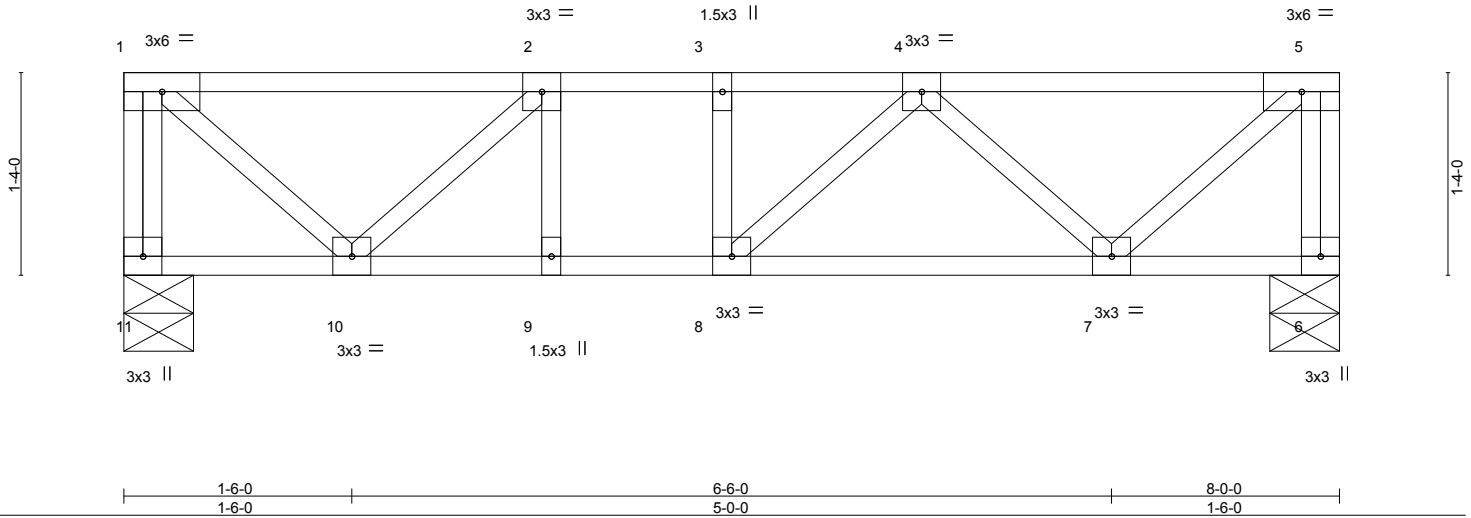
Job 814104	Truss F11	Truss Type Floor	Qty 7	Ply 1	Job Reference (optional)	T8846959
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7,640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:18:56 2016 Page 1
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Scale = 1:15.2



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 0.45	Vert(LL)	-0.03	7-8	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.31	Vert(TL)	-0.04	7-8	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.23	Horz(TL)	0.01	6	n/a	n/a		
BCDL 5.0	Code	FBC2014/TPI2007	(Matrix)							
									Weight: 46 lb	FT = 11%F, 11%E

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

REACTIONS. (lb/size) 11=426/0-5-8, 6=426/0-5-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-11=-420/0, 5-6=-421/0, 1-2=-354/0, 2-3=-673/0, 3-4=-673/0, 4-5=-358/0
 BOT CHORD 9-10=0/673, 8-9=0/673, 7-8=0/661
 WEBS 5-7=0/477, 1-10=0/472, 4-7=-422/0, 2-10=-433/0

- NOTES-** (4-5)
- Unbalanced floor live loads have been considered for this design.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 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.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

Job 814104	Truss F11A	Truss Type FLOOR	Qty 1	Ply 3	Job Reference (optional) T8846960
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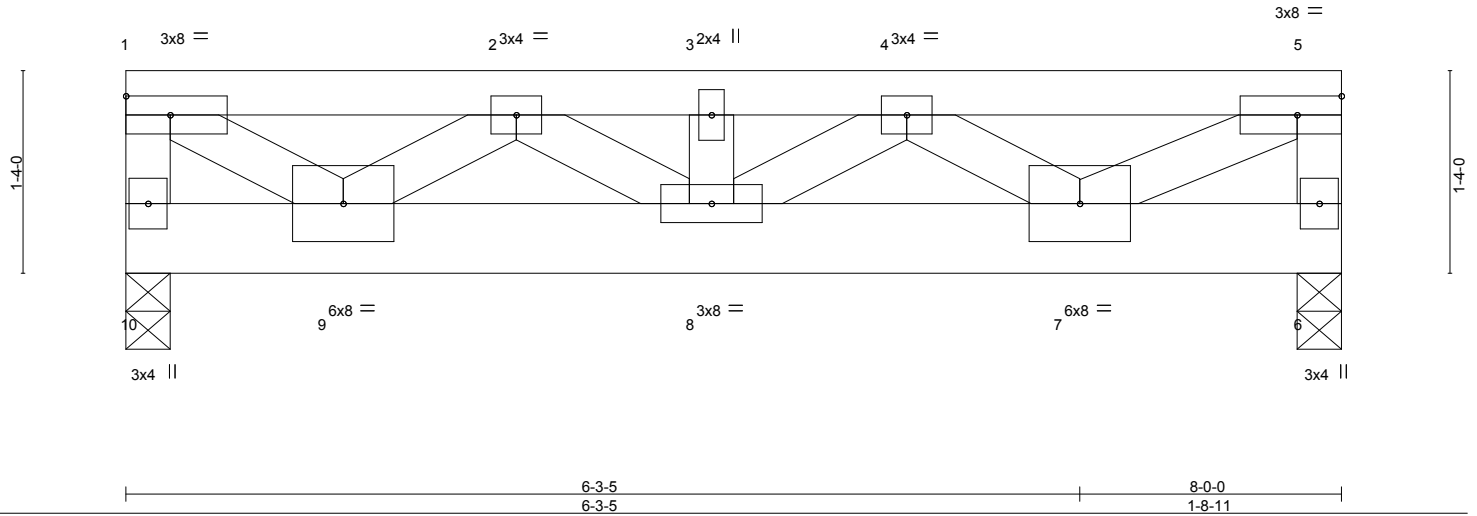
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7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:18:57 2016 Page 1
ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-KB3M6kNuPovEU7a?0UMiOVEpQr_YAL2Cski_Ez63gS

1-1-11

1-5-3

Scale = 1:15.2



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 0.64	Vert(LL)	-0.05	8	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.85	Vert(TL)	-0.08	8	>999		
BCLL 0.0	Rep Stress Incr	NO	WB 0.84	Horz(TL)	0.02	6	n/a		
BCDL 5.0	Code	FBC2014/TPI2007	(Matrix)						
								Weight: 135 lb	FT = 11%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) 10=4694/0-3-8, 6=4694/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-4111/0, 5-6=-4082/0, 1-2=-4417/0, 2-3=-8747/0, 3-4=-8747/0, 4-5=-5126/0
BOT CHORD 9-10=0/493, 8-9=0/7937, 7-8=0/8456, 6-7=0/592
WEBS 1-9=0/4895, 2-9=-4601/0, 2-8=0/1010, 3-8=-332/0, 4-8=0/362, 4-7=-4352/0, 5-7=0/5306

- NOTES-** (5-6)
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 2 rows staggered at 0-4-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 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.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-10=-208(F=-198), 1-5=-1010(F=-910)

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

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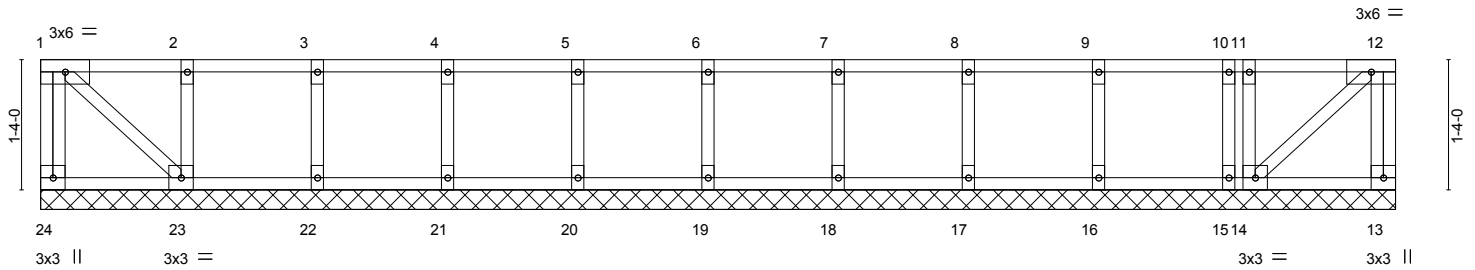
6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss F12	Truss Type GABLE	Qty 1	Ply 1	Job Reference (optional) T8846961
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Scale = 1:23.6



1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-4-0	13-10-8
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	0-6-8
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 40.0	Plate Grip DOL	1.00	TC 0.10	Vert(LL)	n/a	-	n/a	MT20	244/190	
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(TL)	n/a	-	n/a			
BCLL 0.0	Rep Stress Incr	YES	WB 0.04	Horz(TL)	-0.00	13	n/a			
BCDL 5.0	Code	FBC2014/TPI2007	(Matrix)							
								Weight: 69 lb	FT = 11%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: 23-24,13-14.

REACTIONS. All bearings 13-10-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

- NOTES-** (7-8)
- 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) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 6) 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.
 - 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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 36610

Job 814104	Truss F13	Truss Type Floor	Qty 6	Ply 1	Job Reference (optional) T8846962
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Builders FirstSource, Jacksonville, FL 32244

7,640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:18:58 2016 Page 1

ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-oOdkK4OWA6156fimZk7bEc1QbqAxHjYQVUFWgz63gR



Scale = 1:23.2

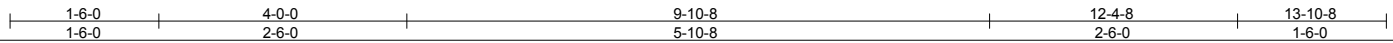
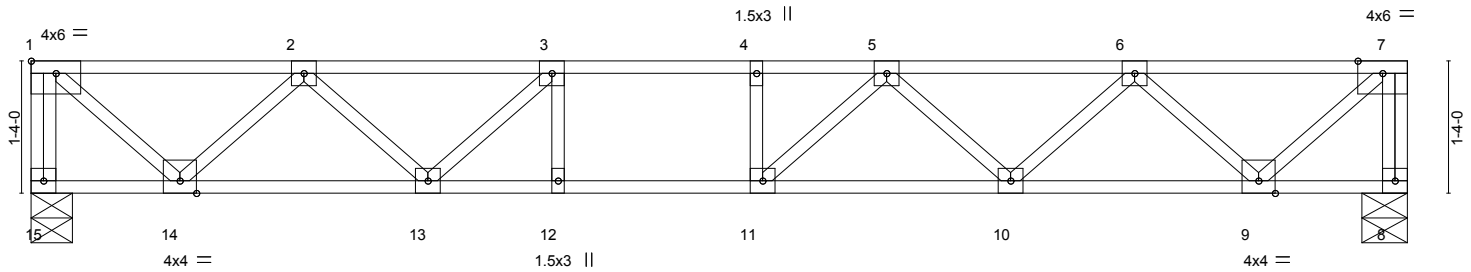


Plate Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.58	Vert(LL)	-0.15	10-11	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.94	Vert(TL)	-0.22	10-11	>757		
BCLL 0.0	Lumber DOL 1.00	WB 0.46	Horz(TL)	0.03	8	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2014/TPI2007						Weight: 73 lb	FT = 11%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3(flat)	2-2-0 oc bracing: 11-12.

REACTIONS. (lb/size) 15=749/0-5-0, 8=749/0-5-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-15=-745/0, 7-8=-742/0, 1-2=-726/0, 2-3=-1700/0, 3-4=-2069/0, 4-5=-2069/0, 5-6=-1704/0, 6-7=-725/0
 BOT CHORD 13-14=0/1359, 12-13=0/2069, 11-12=0/2069, 10-11=0/1996, 9-10=0/1369
 WEBS 7-9=0/965, 1-14=0/967, 6-9=-895/0, 2-14=-881/0, 6-10=0/467, 2-13=0/484, 5-10=-405/0, 3-13=-588/0, 5-11=-106/360

- NOTES- (5-6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x3 MT20 unless otherwise indicated.
 - 3) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 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) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 6) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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.



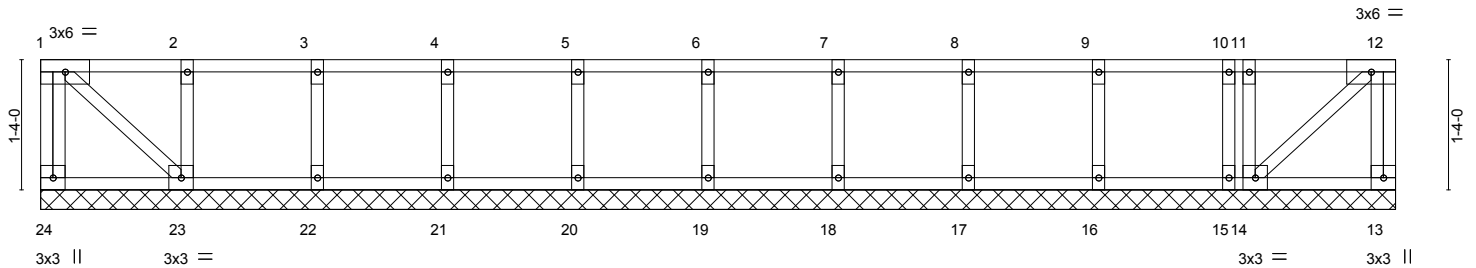
6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss F15	Truss Type Floor Supported Gable	Qty 1	Ply 1	Job Reference (optional) T8846963
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Builders FirstSource, Jacksonville, FL 32244

7,640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:18:58 2016 Page 1
ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-oOdkK4OWA6156fimZk?bEc1Y3qOPHqBCQVUFWgz63gR

Scale = 1:23.6



13-10-8
13-10-8

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.10	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(TL)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.04	Horz(TL)	-0.00	13	n/a		
BCDL 5.0	Code	FBC2014/TPI2007	(Matrix)						
								Weight: 69 lb	FT = 11%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 23-24,13-14.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 13-10-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

- NOTES-** (7-8)
- 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) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 6) 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.
 - 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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.



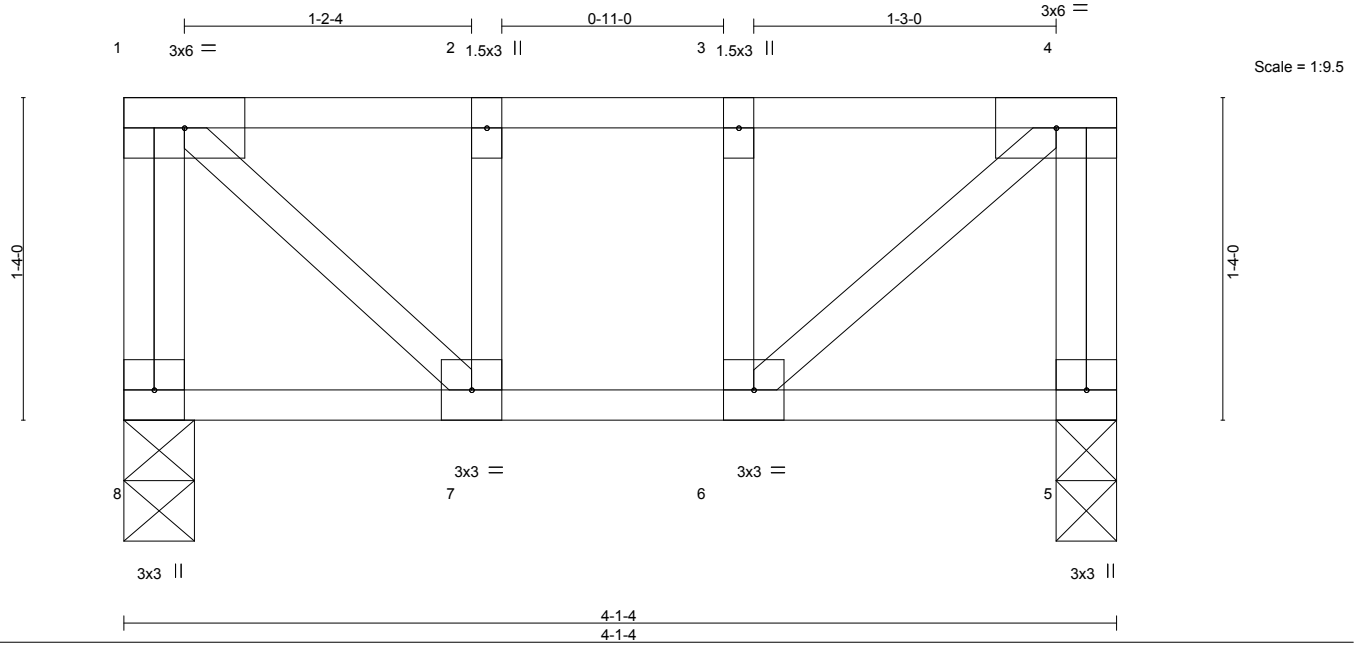
6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss F16	Truss Type Floor	Qty 3	Ply 1	Job Reference (optional) T8846964
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Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:18:58 2016 Page 1

ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-oOdkK4OWA6156fimZk?bEc1XbqN3Hp3CQVUFWgz63gR



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.13	Vert(LL)	-0.00	6	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.10	Vert(TL)	-0.01	6	>999		
BCLL 0.0	Rep Stress Incr	YES	WB 0.11	Horz(TL)	0.00	5	n/a		
BCDL 5.0	Code	FBC2014/TPI2007	(Matrix)					Weight: 27 lb	FT = 11%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 4-1-4 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 8=212/0-3-8, 5=212/0-3-0

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

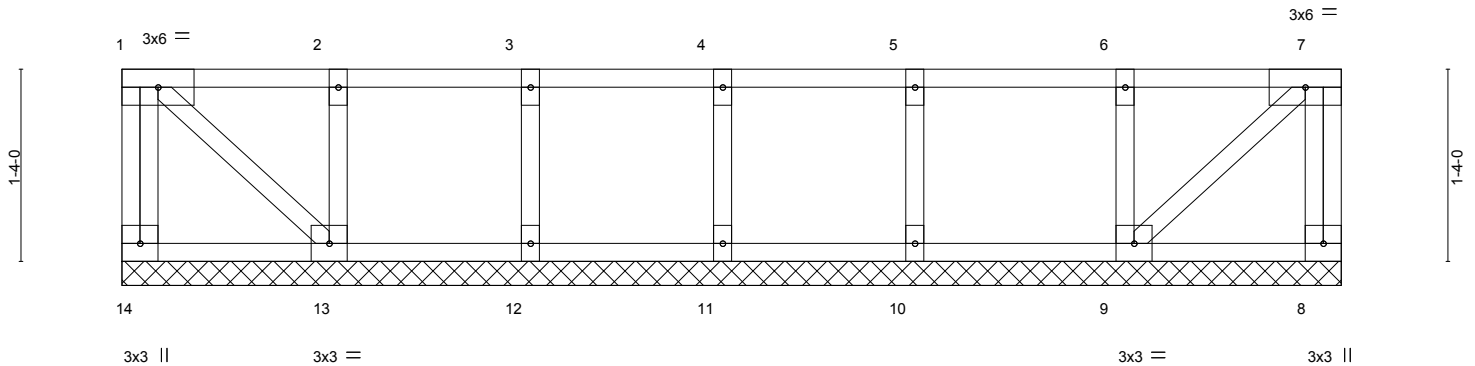
- NOTES-** (4-5)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 5) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

Job 814104	Truss F17	Truss Type Floor Supported Gable	Qty 1	Ply 1	Job Reference (optional) T8846965
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7,640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:18:59 2016 Page 1
ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-GaB6XPP8xP9yjpHy7RXqnpajhEkd0HQLf9Do26z63gQ

Scale: 3/4"=1'



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999	Weight: 44 lb FT = 11%F, 11%E		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	8	n/a	n/a			
BCDL	5.0	Code	FBC2014/TPI2007	(Matrix)									

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 8-5-8 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS. All bearings 8-5-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

- NOTES-** (7-8)
- 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) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 6) 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.
 - 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

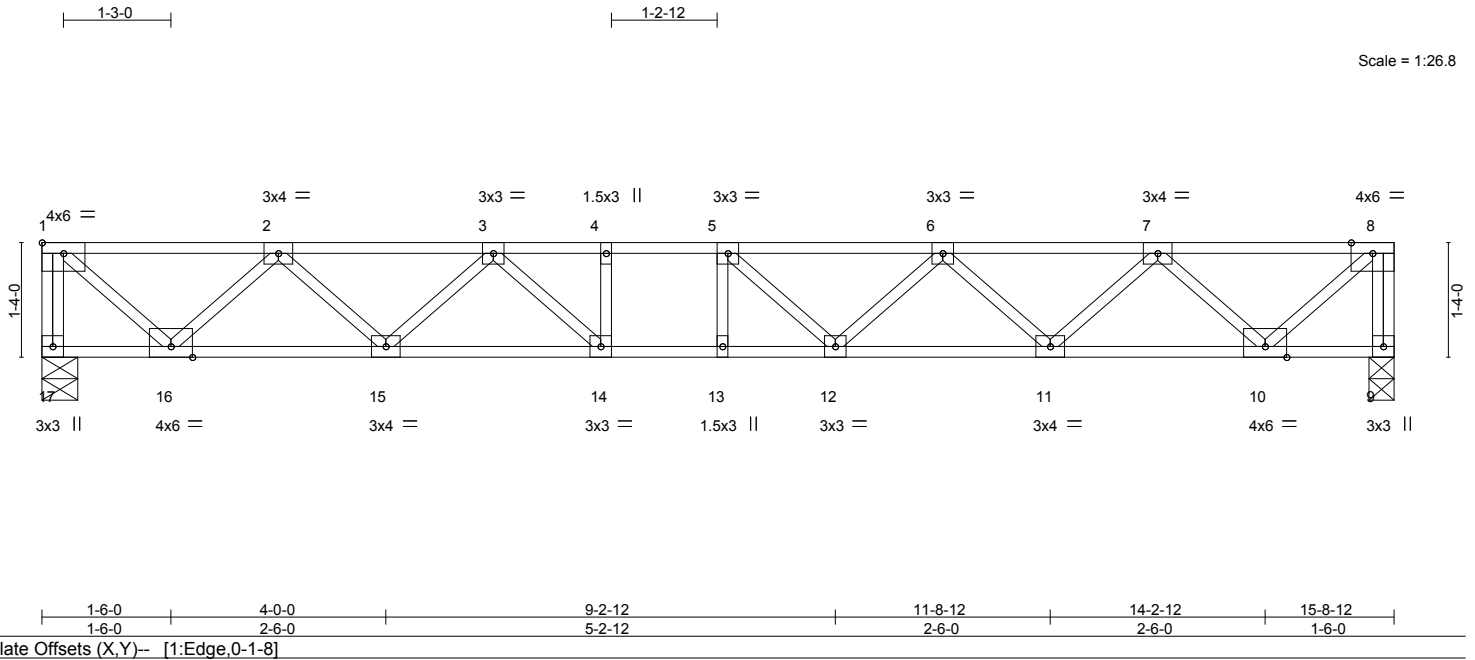
Job 814104	Truss F18	Truss Type Floor	Qty 6	Ply 1	Job Reference (optional) T8846966
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Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:18:59 2016 Page 1

ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-GaB6XPP8xP9yjpHy7RXqnpacTEZG09dLf9Do26z63gQ

Scale = 1:26.8



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.57	Vert(LL)	-0.16	12-13	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.74	Vert(TL)	-0.24	12-13	>766		
BCLL 0.0	Lumber DOL 1.00	WB 0.54	Horz(TL)	0.04	9	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2014/TPI2007						Weight: 83 lb	FT = 11%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 17=851/0-5-0, 9=851/0-3-8

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

TOP CHORD 1-17=-847/0, 8-9=-845/0, 1-2=-845/0, 2-3=-2015/0, 3-4=-2698/0, 4-5=-2698/0, 5-6=-2605/0, 6-7=-2029/0, 7-8=-840/0

BOT CHORD 15-16=0/1587, 14-15=0/2435, 13-14=0/2698, 12-13=0/2698, 11-12=0/2454, 10-11=0/1582

WEBS 8-10=0/1119, 1-16=0/1125, 7-10=-1032/0, 2-16=-1031/0, 7-11=0/622, 2-15=0/596, 6-11=-591/0, 3-15=-585/0, 6-12=0/314, 3-14=0/541, 5-12=-341/112

- NOTES- (4-5)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 5) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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

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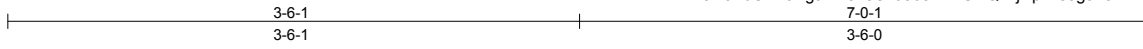
6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss P01	Truss Type GABLE	Qty 1	Ply 1	T8846967
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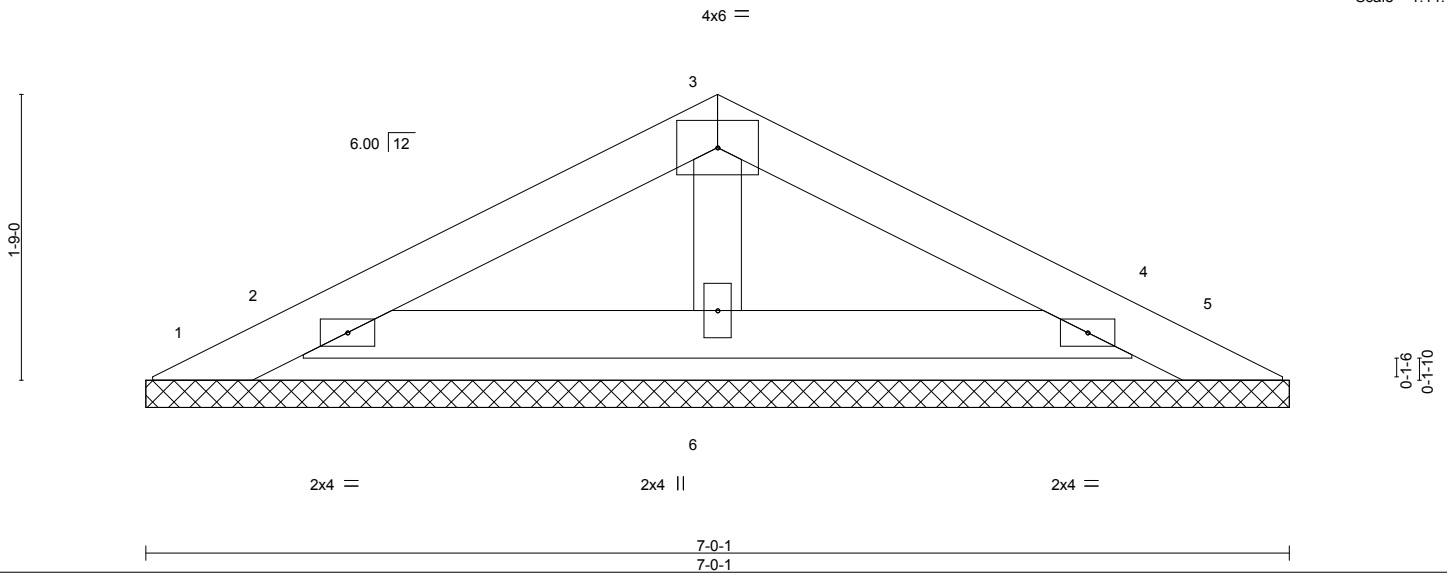
Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:00 2016 Page 1

ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-kmlUklQmijHpLzs8g923K17uae31lKpVupzMaZz63gP



Scale = 1:14.1



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 0.10	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.06	Vert(TL)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(TL)	0.00	4	n/a		
BCDL 10.0	Code	FBC2014/TPI2007	(Matrix)						
								Weight: 21 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 7-0-1.
 (lb) - Max Horz 1=23(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 2, 4, 6
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 2, 4, 6

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

NOTES- (11-12)

- 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=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 2, 4, 6.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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

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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.

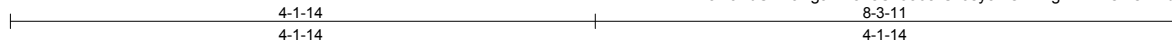


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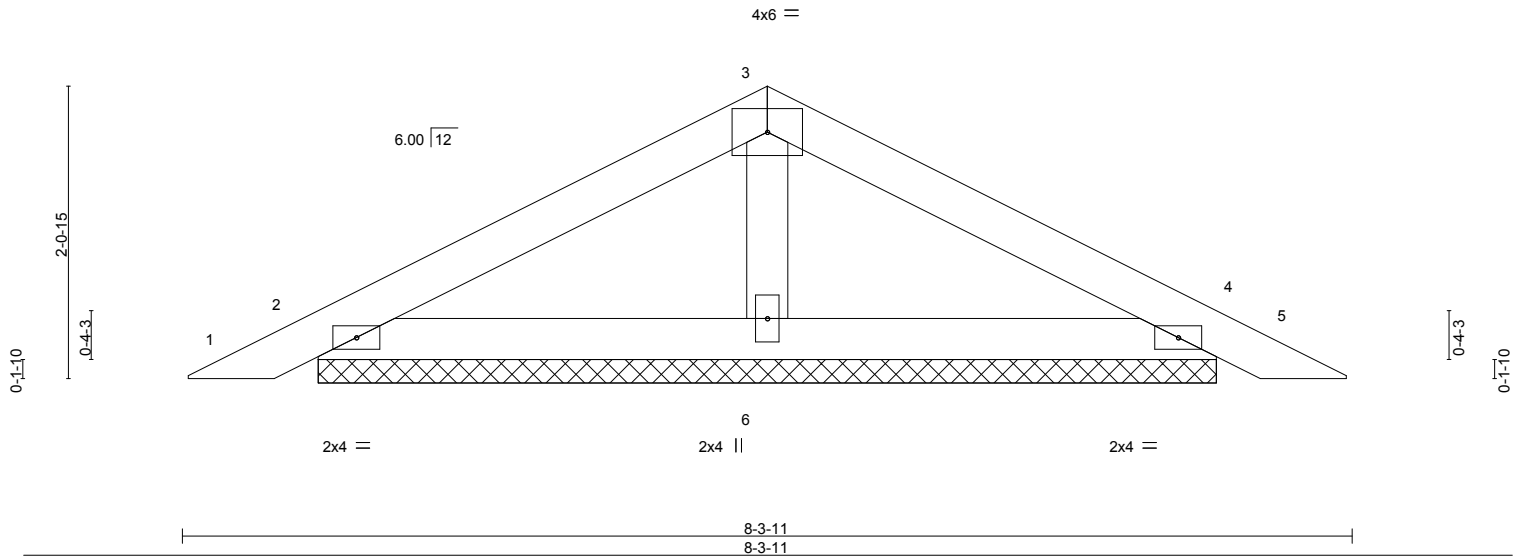
Job 814104	Truss P02	Truss Type Piggyback	Qty 6	Ply 1	Job Reference (optional) T8846968
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7,640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:01 2016 Page 1
ID:Zx5HcAbCliz9Xgaf1n5?sCz6568-CzJsy5ROT1PgZ7RLEsZIsEf1q2PgUBne6Tiv7?z63gO



Scale = 1:16.4



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.19	Vert(LL)	0.01	5	n/r	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.10	Vert(TL)	0.01	5	n/r		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.05	Horz(TL)	0.00	4	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2014/TPI2007						Weight: 25 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 2=155/6-4-9, 4=155/6-4-9, 6=229/6-4-9
Max Horz 2=-28(LC 10)
Max Uplift 2=-55(LC 12), 4=-60(LC 13), 6=-28(LC 12)

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

NOTES- (9-10)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vu1t=130mph (3-second gust) Vasd=101mph; TCDL=4,2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 10) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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 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.

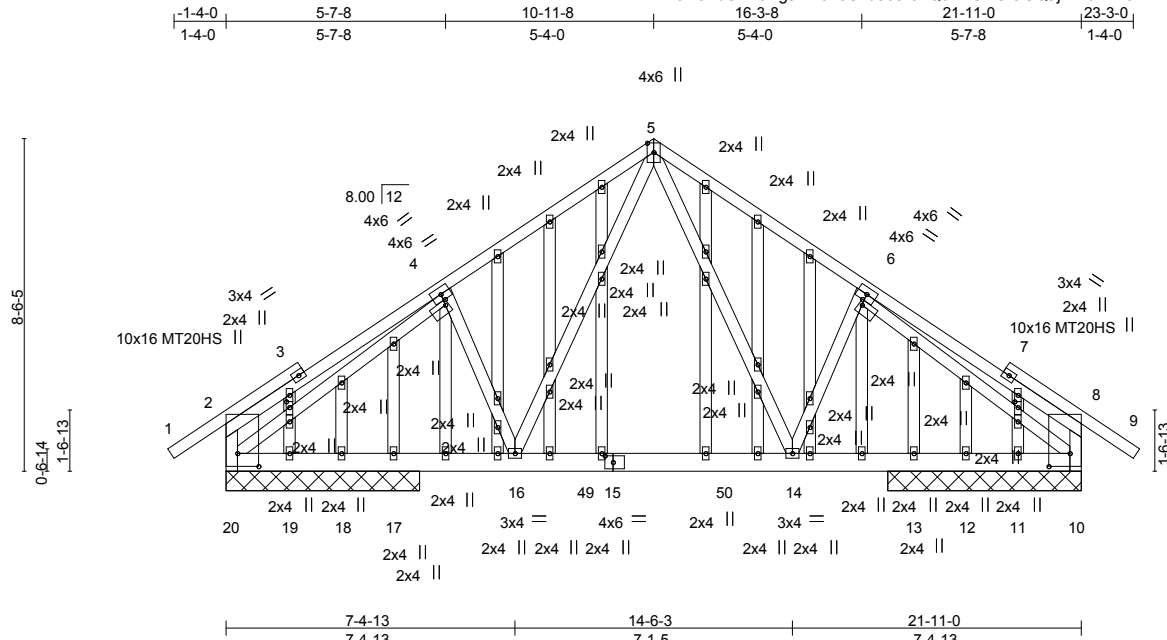


6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T01	Truss Type Common Structural Gable	Qty 1	Ply 1	Job Reference (optional)	T8846969
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Builders FirstSource, Jacksonville, FL 32244

7,640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:03 2016 Page 1
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Scale = 1:59.0

Plate Offsets (X,Y)-- [2:0-4-0,0-6-8], [4:0-1-0,0-1-8], [6:0-1-0,0-0-1-8], [8:0-4-0,0-6-8], [15:0-2-8,0-2-0], [33:0-1-13,0-1-0], [48:0-1-13,0-1-0]							
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.39	Vert(LL) -0.07	14-16	>999	240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.79	Vert(TL) -0.15	14-16	>999	180	MT20HS 187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.77	Horz(TL) 0.01	11	n/a	n/a	
BCDL 10.0	Code FBC2014/TPI2007	(Matrix-M)					Weight: 246 lb FT = 20%


LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	
2-20,8-10: 2x4 SP No.2	
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 4-11-8.
 (lb) - Max Horz 20=-317(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 19 except 20=-329(LC 12), 17=-127(LC 12), 18=-211(LC 1), 13=-293(LC 13), 12=-1262(LC 20), 11=-719(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 18, 19 except 20=703(LC 19), 17=291(LC 1), 13=646(LC 1), 12=622(LC 13), 11=1556(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-255/211, 4-5=-794/489, 5-6=-738/458, 2-20=-347/313
 BOT CHORD 19-20=-290/765, 18-19=-290/765, 17-18=-290/765, 16-17=-290/765, 16-49=-88/508, 15-49=-88/508, 15-50=-88/508, 14-50=-88/508, 13-14=-160/551, 12-13=-160/551, 11-12=-160/551, 10-11=-160/551
 WEBS 5-14=-178/254, 6-14=-283/312, 5-16=-241/393, 4-16=-303/322, 4-20=-676/215, 6-10=-845/324

- NOTES-** (12-13)
- 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=25ft; 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
 - 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 MT20 plates unless otherwise indicated.
 - Gable studs spaced at 1-4-0 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, with BCDL = 10.0psf.
 - Bearing at joint(s) 20 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 capable of withstanding 100 lb uplift at joint(s) 19 except (jt=lb) 20=329, 17=127, 18=211, 13=293, 12=1262, 11=719.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.

Continued on page 2

<p>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 ANSITPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.</p>	 6904 Parke East Blvd. Tampa, FL 36610
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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
814104	T01	Common Structural Gable	1	1	T8846969

Builders FirstSource, Jacksonville, FL 32244

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ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-8LQdNnSf?efOCQajMHbmxflJFrvMyw1xanB0Btz63gM

- 12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 13) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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.



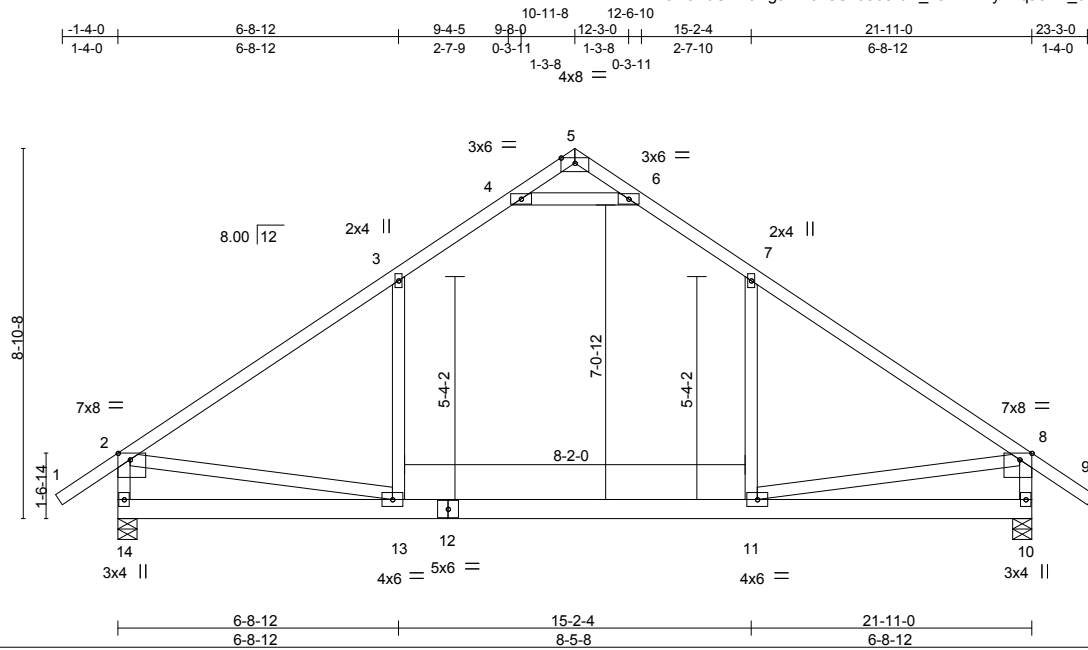
6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T02	Truss Type ATTIC	Qty 10	Ply 1	Job Reference (optional) T8846970
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Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:04 2016 Page 1

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Scale = 1:55.3

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.88	Vert(LL)	-0.37	11-13	>703	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.46	Vert(TL)	-0.81	11-13	>319		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.30	Horz(TL)	0.01	10	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)	Attic	-0.15	11-13	690		
	Code FBC2014/TPI2007					360	Weight: 138 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP M 31	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP M 26	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 2-14,8-10: 2x4 SP No.2	

REACTIONS. (lb/size) 14=1068/0-5-8, 10=1068/0-5-8
 Max Horz 14=-269(LC 10)
 Max Uplift 14=-79(LC 12), 10=-79(LC 13)
 Max Grav 14=1253(LC 20), 10=1253(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1437/209, 3-4=-1003/313, 4-5=-192/869, 5-6=-192/868, 6-7=-1003/313,
 7-8=-1437/209, 2-14=-1166/344, 8-10=-1166/344
 BOT CHORD 13-14=-303/579, 12-13=0/1110, 11-12=0/1110, 10-11=-164/465
 WEBS 7-11=-24/486, 3-13=-24/486, 4-6=-2055/613, 2-13=-19/850, 8-11=-23/853

- NOTES-** (11-12)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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
 - The Fabrication Tolerance at joint 2 = 12%, joint 8 = 12%
 - 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.
 - Ceiling dead load (5.0 psf) on member(s), 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s)-7-11, 3-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 10.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI1-7473 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.



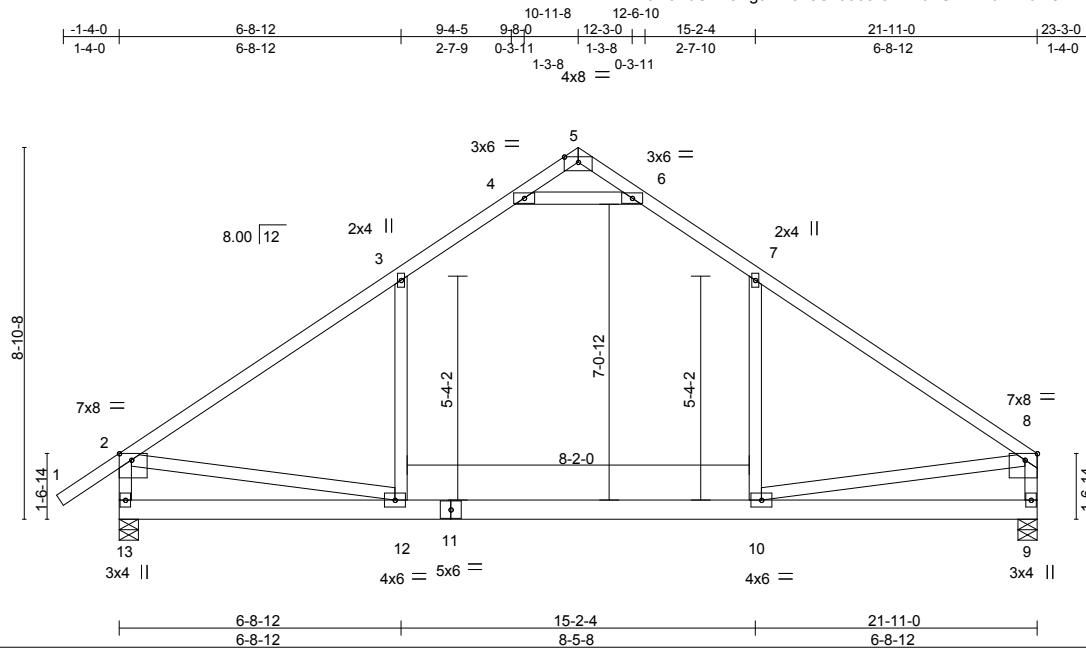
6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T03	Truss Type ATTIC	Qty 1	Ply 1	Job Reference (optional) T8846971
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Scale = 1:55.0


LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.90	Vert(LL) -0.38	10-12	>684	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.46	Vert(TL) -0.83	10-12	>312	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.34	Horz(TL) 0.01	9	n/a	n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix-M)	Attic -0.15	10-12	688	360		
							Weight: 135 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP M 31	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP M 26	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 2-13,8-9: 2x4 SP No.2	

REACTIONS. (lb/size) 13=1071/0-5-8, 9=980/0-5-8
 Max Horz 13=260(LC 11)
 Max Uplift 13=-79(LC 12), 9=-48(LC 13)
 Max Grav 13=1255(LC 20), 9=1171(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1445/212, 3-4=-1005/313, 4-5=-208/887, 5-6=-204/888, 6-7=-1009/317,
 7-8=-1430/200, 2-13=-1173/346, 8-9=-1113/234
 BOT CHORD 12-13=-319/565, 11-12=-71/1101, 10-11=-71/1101, 9-10=-166/305
 WEBS 7-10=-29/467, 3-12=-25/492, 4-6=-2088/633, 2-12=-19/856, 8-10=-2/926

- NOTES-** (11-12)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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
 - The Fabrication Tolerance at joint 8 = 12%, joint 2 = 12%
 - 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.
 - Ceiling dead load (5.0 psf) on member(s), 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s), 7-10, 3-12
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 10-12
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 9.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

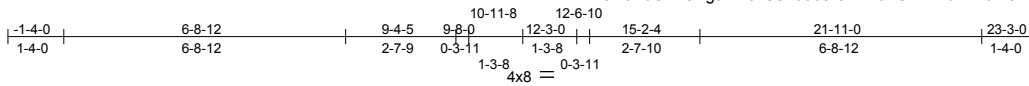
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.</p>	 <p>6904 Parke East Blvd. Tampa, FL 36610</p>
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Job 814104	Truss T04	Truss Type ATTIC	Qty 2	Ply 1	Job Reference (optional) T8846972
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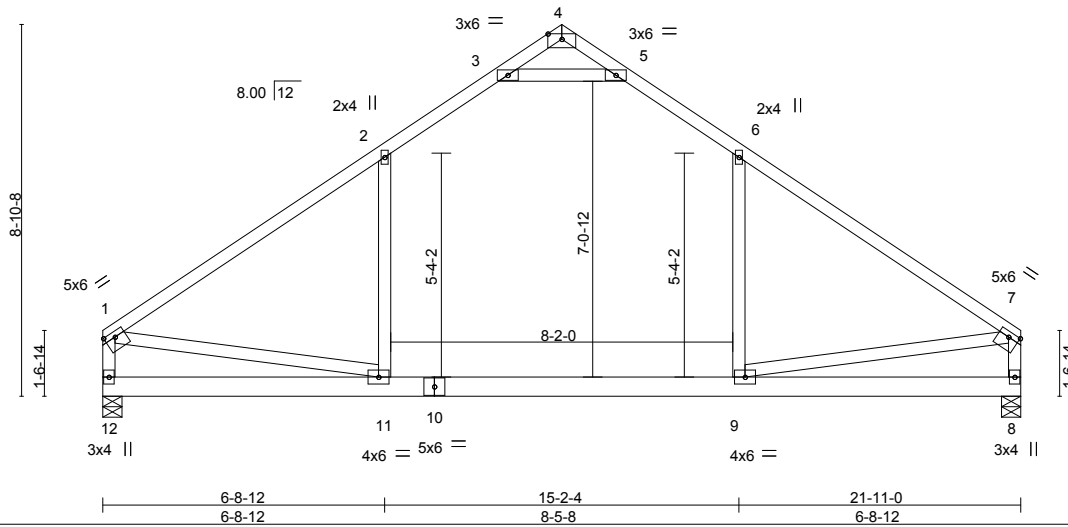


Plate Offsets (X,Y)-- [1:0-3-0-0-1-8], [7:0-3-0-0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.90	Vert(LL) -0.39	9-11	>666	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.46	Vert(TL) -0.85	9-11	>304	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.34	Horz(TL) 0.01	8	n/a	n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix-M)	Attic -0.15	9-11	685	360		
							Weight: 133 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP M 31
 BOT CHORD 2x6 SP M 26
 WEBS 2x4 SP No.3

BRACING-

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

REACTIONS.

(lb/size) 12=984/0-5-8, 8=984/0-5-8
 Max Horz 12=-241(LC 8)
 Max Uplift 12=-47(LC 12), 8=-47(LC 13)
 Max Grav 12=1173(LC 20), 8=1173(LC 21)

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

TOP CHORD 1-2=-1438/202, 2-3=-1011/316, 3-4=-219/908, 4-5=-219/908, 5-6=-1011/316,
 6-7=-1438/202, 1-12=-1119/236, 7-8=-1119/236
 BOT CHORD 11-12=-290/460, 10-11=-72/1107, 9-10=-72/1107, 8-9=-164/301
 WEBS 6-9=-30/472, 2-11=-30/472, 3-5=-2113/649, 1-11=0/932, 7-9=0/934

NOTES- (10-11)

- 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=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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.
- Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s).6-9, 2-11
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 9-11
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 8.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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

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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.

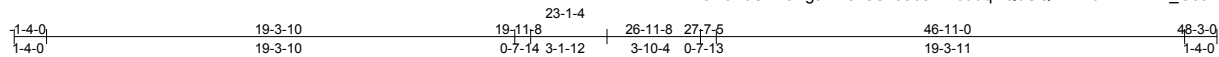


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Tampa, FL 36610

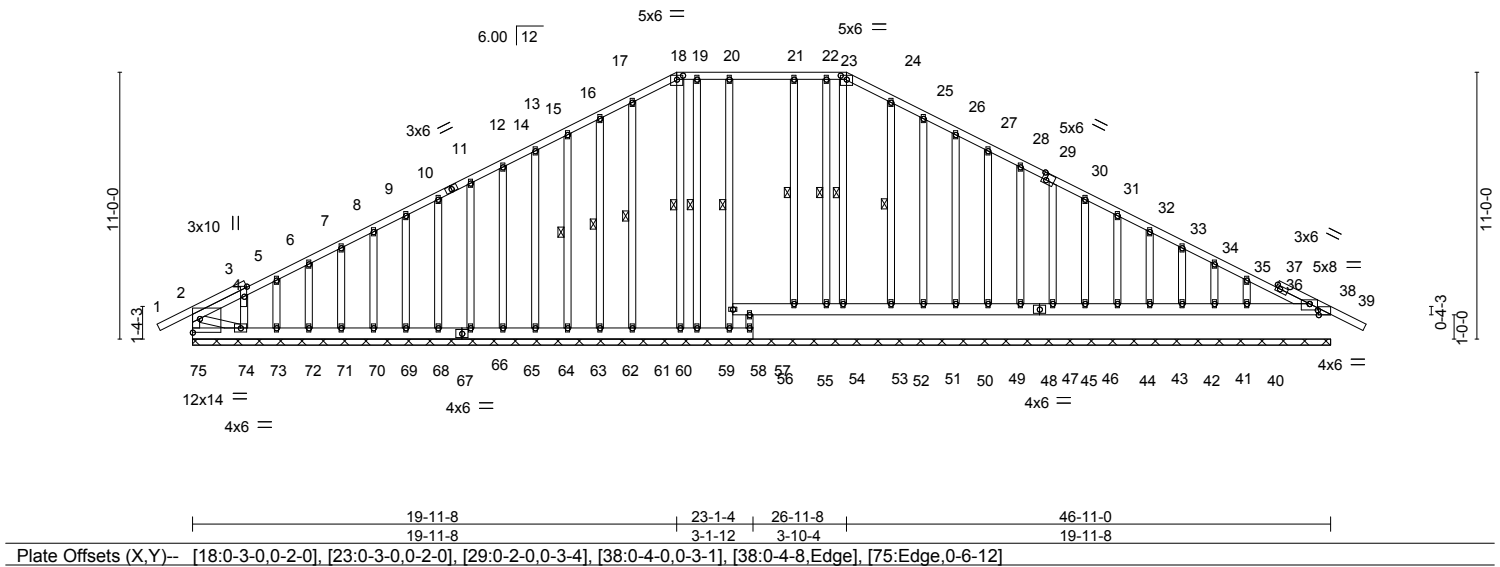
Job 814104	Truss T05	Truss Type Piggyback Base Supported Gable	Qty 1	Ply 1	T8846973
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7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:09 2016 Page 1
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Scale = 1:95.0



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.18	Vert(LL)	-0.00	39	n/r	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.04	Vert(TL)	-0.00	39	n/r		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.20	Horz(TL)	0.04	38	n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix)					Weight: 478 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 74-75,59-60,58-59,55-56,54-55,53-54.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 20-58, 19-59, 17-61, 16-62, 15-63, 21-55, 22-54, 24-52, 18-60, 23-53
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 46-11-0.
 (lb) - Max Horz 75=-225(LC 17)
 Max Uplift All uplift 100 lb or less at joint(s) 58, 59, 61, 62, 63, 64, 65, 66, 68, 69, 70, 71, 72, 73, 55, 54, 52, 51, 50, 49, 48, 46, 45, 44, 43, 42, 41 except 75=-222(LC 13), 74=-168(LC 12), 40=-131(LC 13), 38=-131(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 75, 58, 59, 61, 62, 63, 64, 65, 66, 68, 69, 70, 71, 72, 73, 74, 55, 54, 52, 51, 50, 49, 48, 46, 45, 44, 43, 42, 41, 40, 60, 53, 38, 57

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-213/254, 4-5=-186/264, 5-6=-164/292, 6-7=-136/313, 7-8=-113/335, 8-9=-101/357, 9-10=-98/379, 10-11=-112/398, 11-12=-108/401, 12-13=-127/424, 13-14=-142/446, 14-15=-157/483, 15-16=-172/526, 16-17=-187/571, 17-18=-206/617, 18-19=-190/582, 19-20=-189/582, 20-21=-188/577, 21-22=-188/577, 22-23=-188/578, 23-24=-204/612, 24-25=-186/566, 25-26=-171/521, 26-27=-156/478, 27-28=-141/435, 28-29=-122/392, 29-30=-126/388, 30-31=-111/349, 31-32=-96/306, 32-33=-81/264

- NOTES-** (13-14)
- 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=25ft; 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
 - 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 1-4-0 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 58, 59, 61, 62, 63, 64, 65, 66, 68, 69, 70, 71, 72, 73, 55, 54, 52, 51, 50, 49, 48, 46, 45, 44, 43, 42, 41 except (jt=lb) 75=222, 74=168, 40=131, 38=131.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 55, 54, 52, 51, 50, 49, 48, 46, 45, 44, 43, 42, 41, 40, 60, 53, 38

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
814104	T05	Piggyback Base Supported Gable	1	1	T8846973

Builders FirstSource, Jacksonville, FL 32244

7,640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:09 2016 Page 2

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NOTES- (13-14)

- 12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 13) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 14) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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.



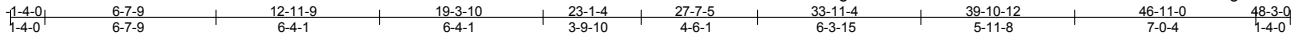
6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T06	Truss Type Piggyback Base	Qty 6	Ply 1	Job Reference (optional) T8846974
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Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:10 2016 Page 1

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Scale = 1:89.3

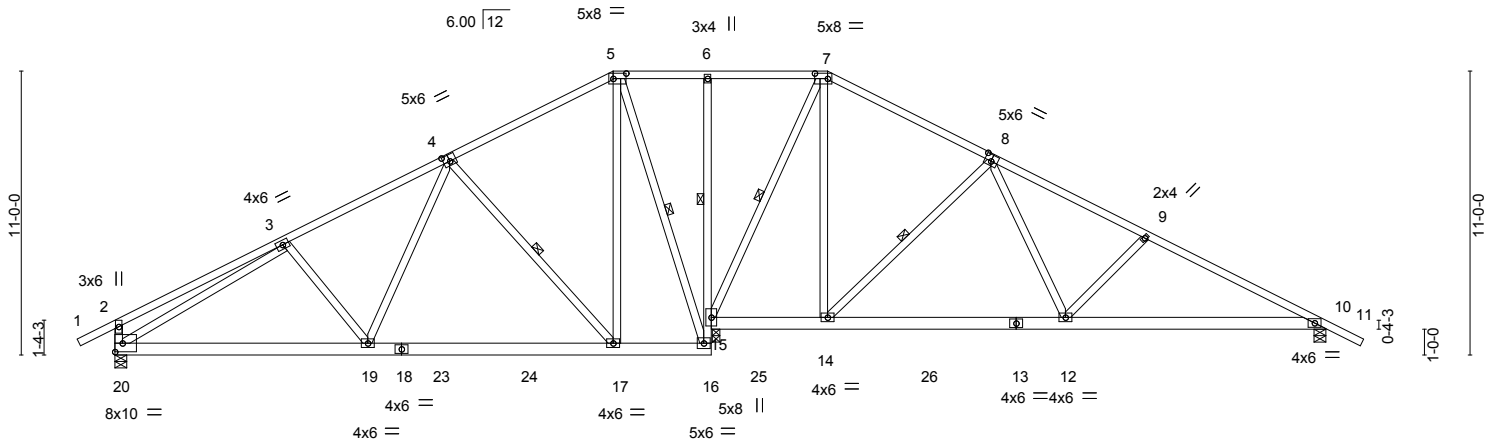


Plate Offsets (X,Y)-- [4:0-3-0,0-3-0], [5:0-6-0,0-2-8], [7:0-6-0,0-2-8], [8:0-3-0,0-3-0]

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 0.47	Vert(LL) -0.09 17-19 >999 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.64	Vert(TL) -0.24 12-22 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.88	Horz(TL) -0.03 15 n/a n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix-M)		Weight: 341 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x6 SP No.2 *Except*
 6-16: 2x4 SP No.2
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-9-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
 1 Row at midpt 6-15
 WEBS 1 Row at midpt 4-17, 5-16, 7-15, 8-14

REACTIONS. (lb/size) 15=2045/0-3-8, 20=767/0-5-8, 10=809/0-5-8
 Max Horz 20=-182(LC 10)
 Max Uplift 15=-348(LC 12), 20=-241(LC 12), 10=-278(LC 13)
 Max Grav 15=2045(LC 1), 20=825(LC 23), 10=832(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-289/310, 3-4=-787/621, 4-5=-156/355, 5-6=0/401, 6-7=0/403, 7-8=-177/370,
 8-9=-966/731, 9-10=-1203/810, 2-20=-351/395
 BOT CHORD 19-20=-404/773, 18-19=-154/476, 18-23=-154/476, 23-24=-154/476, 17-24=-154/476,
 15-16=-438/904, 6-15=-252/178, 14-26=-208/581, 13-26=-208/581, 12-13=-208/581,
 10-12=-563/1021
 WEBS 3-19=-234/325, 4-19=-201/492, 4-17=-634/542, 5-17=-408/747, 5-16=-1014/512,
 7-15=-952/432, 7-14=-290/680, 8-14=-700/580, 8-12=-267/579, 9-12=-325/363,
 3-20=-700/376

NOTES- (8-9)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=348, 20=241, 10=278.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 9) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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

Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314. **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

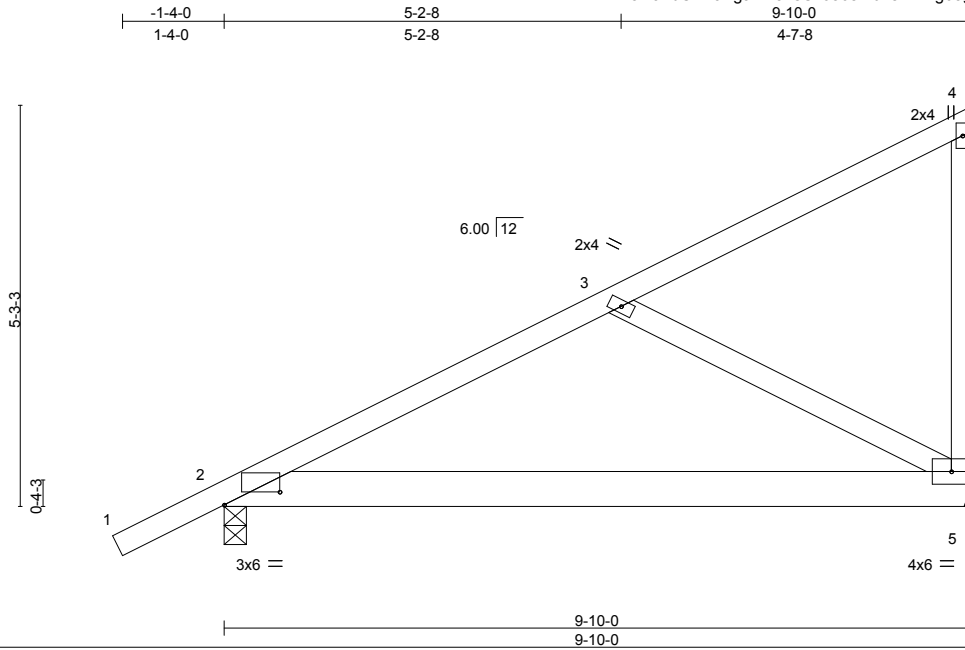


6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T07	Truss Type Monopitch	Qty 12	Ply 1	Job Reference (optional) T8846975
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Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:11 2016 Page 1
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Scale = 1:30.2

Plate Offsets (X,Y)-- [2:0-8-12.0-2-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.49	Vert(LL)	0.24	5-7	>481	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.53	Vert(TL)	-0.23	5-7	>500		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.18	Horz(TL)	-0.01	5	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)					Weight: 56 lb	FT = 20%
	Code FBC2014/TPI2007							

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 7-6-15 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) 2=439/0-3-8, 5=353/Mechanical
Max Horz 2=196(LC 12)
Max Uplift 2=161(LC 9), 5=207(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=372/276
BOT CHORD 2-5=513/316
WEBS 3-5=341/542

- NOTES-** (7-8)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=161, 5=207.
 - 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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

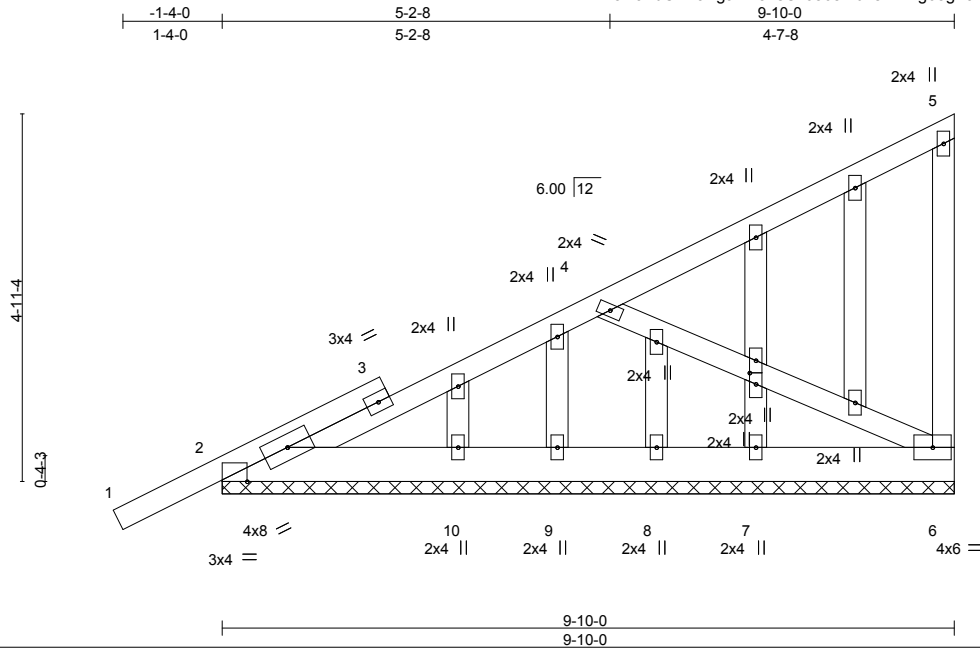
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 36610

Job 814104	Truss T08	Truss Type GABLE	Qty 1	Ply 1	Job Reference (optional) 7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:11 2016 Page 1	T8846976
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Builders FirstSource, Jacksonville, FL 32244 ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-vuve2WYg65gF9fCGqzkeGL4jw4oMqgH6Q17RTQz63gE



Scale = 1:30.9


Plate Offsets (X,Y)-- [2:0-6-8,Edge], [14:0-1-13,0-1-0]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.28	Vert(LL)	0.00	1	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.14	Vert(TL)	0.01	1	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.17	Horz(TL)	0.00	6	n/a		
BCDL 10.0	Code	FBC2014/TPI2007	(Matrix)					Weight: 72 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 9-10-0.
 (lb) - Max Horz 2=184(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 8, 9, 10 except 2=104(LC 12), 6=159(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) 7, 8, 9, 10 except 2=335(LC 1), 6=268(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-392/202, 3-4=-354/215
 BOT CHORD 2-10=-430/319, 9-10=-430/319, 8-9=-430/319, 7-8=-430/319, 6-7=-430/319
 WEBS 4-6=-344/462

- NOTES-** (9-10)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) 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 1-4-0 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 9, 10 except (jt=lb) 2=104, 6=159.
 - 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 10) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

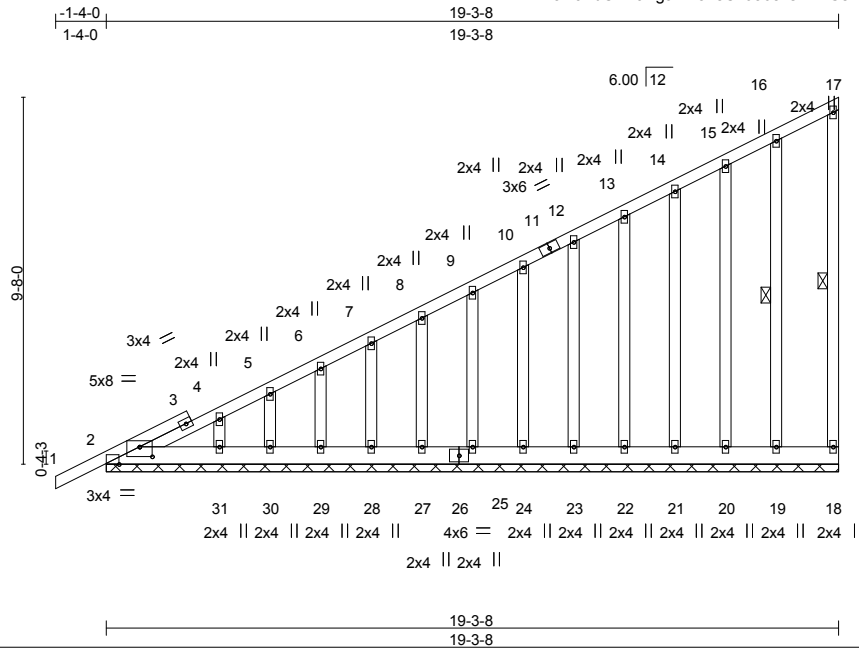
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.</p>	 <p>6904 Parke East Blvd. Tampa, FL 36610</p>
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Job 814104	Truss T09	Truss Type Monopitch Supported Gable	Qty 1	Ply 1	Job Reference (optional) T8846977
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Builders FirstSource, Jacksonville, FL 32244

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Scale = 1:60.7

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.15	Vert(LL) 0.00	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.03	Vert(TL) 0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Horz(TL) -0.00	18	n/a	n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix)					Weight: 175 lb	FT = 20%

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

REACTIONS. All bearings 19-3-8.
 (lb) - Max Horz 2=512(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 18, 25, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20, 19
 Max Grav All reactions 250 lb or less at joint(s) 18, 2, 25, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20, 19

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-533/185, 3-4=-528/197, 4-5=-504/176, 5-6=-458/163, 6-7=-415/148, 7-8=-372/133,
 8-9=-329/118, 9-10=-286/103

- NOTES-** (9-10)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; 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
 - 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 1-4-0 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 25, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20, 19.
 - 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 10) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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

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Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314. **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



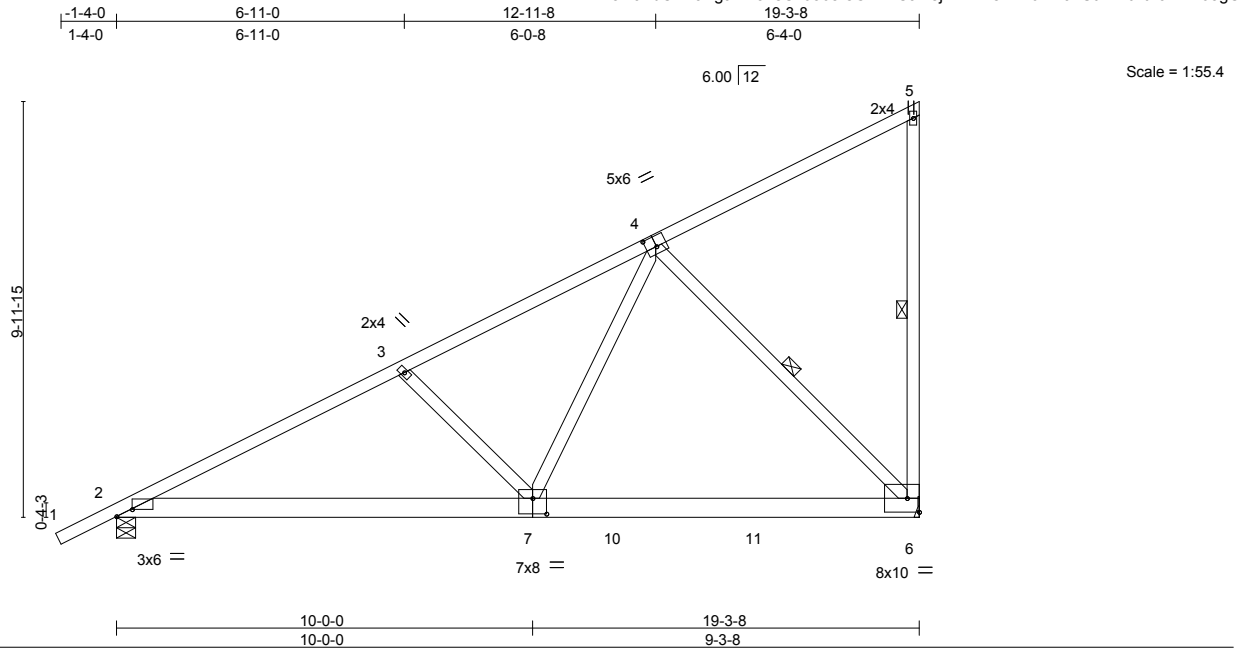
6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T10	Truss Type Monopitch	Qty 2	Ply 1	Job Reference (optional) T8846978
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Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:13 2016 Page 1

ID:Zx5HcAbCliz9Xgaf1n5?sCz6568-sG1PTCawejwzPzLexNn6Lm91UIPIIYtPtLcYYIz63gC



Scale = 1:55.4

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.40	Vert(LL) -0.08	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.47	Vert(TL) -0.21	7-9	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.29	Horz(TL) 0.02	6	n/a	n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix-M)					Weight: 122 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-1-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-1-14 oc bracing.
 WEBS 1 Row at midpt 5-6, 4-6

REACTIONS. (lb/size) 6=706/Mechanical, 2=787/0-5-8
 Max Horz 2=368(LC 12)
 Max Uplift 6=-295(LC 12), 2=-153(LC 12)
 Max Grav 6=713(LC 19), 2=787(LC 1)

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

TOP CHORD 2-3=-1094/361, 3-4=-871/277
 BOT CHORD 2-7=-760/938, 7-10=-403/491, 10-11=-403/491, 6-11=-403/491
 WEBS 3-7=-325/366, 4-7=-252/594, 4-6=-695/570

NOTES- (7-8)

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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, with BCDL = 10.0psf.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=295, 2=153.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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

Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314. **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

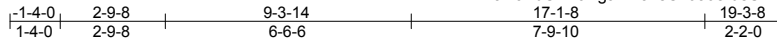


6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T11	Truss Type Monopitch	Qty 5	Ply 1	Job Reference (optional)	T8846979
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Builders FirstSource, Jacksonville, FL 32244

7.640 s Nov 10 2015 MiTek Industries, Inc. Wed Jun 15 11:26:40 2016 Page 1
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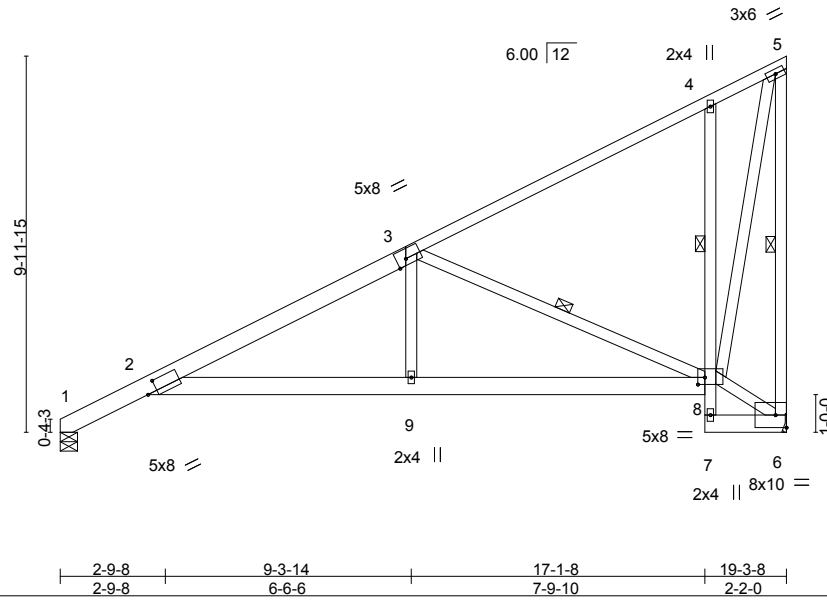


Plate Offsets (X,Y)-- [2:0-3-2,0-3-7], [3:0-3-0,Edge], [8:0-2-4,0-2-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.65	Vert(LL)	0.17	9-12	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.67	Vert(TL)	-0.33	9-12	>698		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.82	Horz(TL)	0.17	6	n/a		
BCDL 10.0	Code	FBC2014/TPI2007	(Matrix-M)						
								Weight: 139 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-3: 2x6 SP M 26
BOT CHORD 2x6 SP No.2 *Except*
4-7: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-2-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 4-8
1 Row at midpt 5-6, 3-8

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=668/Mechanical, 1=757/0-5-8 (min. 0-1-9)
Max Horz 1=347(LC 12)
Max Uplift 6=-280(LC 12), 1=-127(LC 12)

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

TOP CHORD 1-2=-370/0, 2-3=-1111/412, 3-4=-304/0, 5-6=-628/487
BOT CHORD 2-9=-778/987, 8-9=-779/997, 4-8=-338/413
WEBS 3-9=-27/393, 3-8=-894/690, 5-8=-622/766

NOTES- (8-9)

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) Refer to girder(s) for truss to truss connections.
- 5) Bearing at joint(s) 1 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 capable of withstanding 280 lb uplift at joint 6 and 127 lb uplift at joint 1.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 9) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

LOAD CASE(S) Standard

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

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6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T12	Truss Type Monopitch Supported Gable	Qty 1	Ply 1	T8846980
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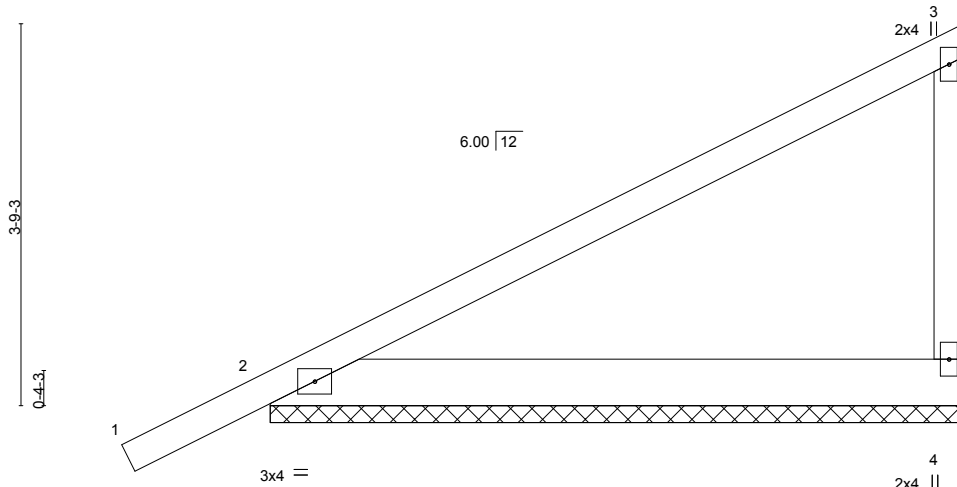
Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:14 2016 Page 1

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Scale = 1:22.7



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.87	Vert(LL) -0.02 1 n/r 120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.24	Vert(TL) 0.06 1 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL) 0.00 n/a n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix)		Weight: 34 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) 4=240/6-10-0, 2=331/6-10-0
 Max Horz 2=141(LC 12)
 Max Uplift 4=99(LC 12), 2=76(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=173/270

- NOTES-** (7-8)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Gable requires continuous bottom chord bearing.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
 - 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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.

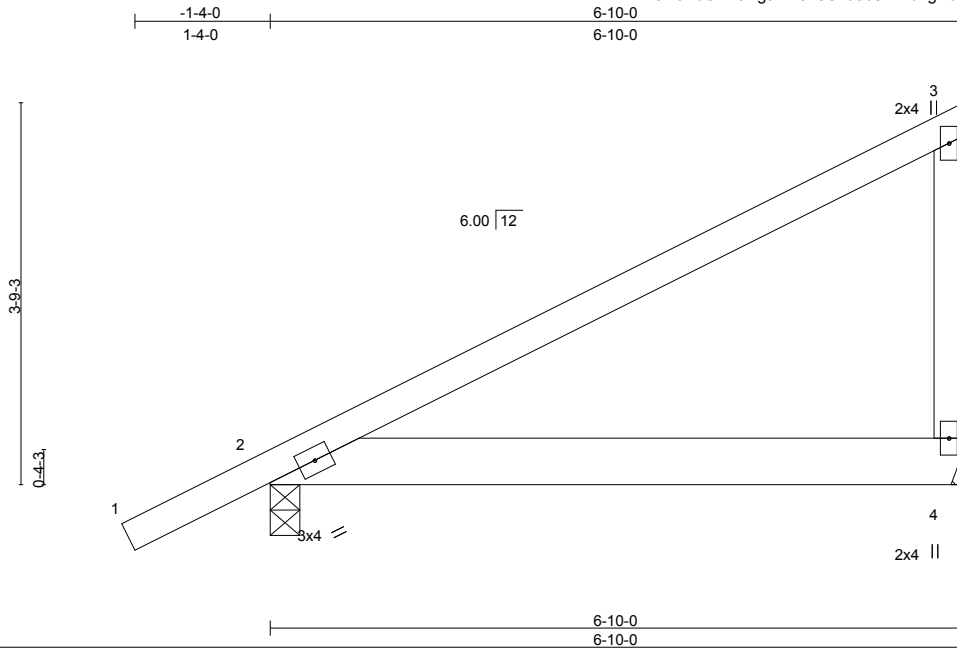


6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T13	Truss Type Monopitch	Qty 8	Ply 1	T8846981
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Builders FirstSource, Jacksonville, FL 32244

Job Reference (optional)
7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:14 2016 Page 1
ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-KTbngYbYP02q17wrV5iLu_iBpHoe13iZ6?M54Iz63gB



Scale = 1:22.7

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	Vert(LL)	0.05 4-6	>999	240	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.30	Vert(TL)	-0.09 4-6	>898	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(TL)	0.00 4	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)					Weight: 34 lb	FT = 20%
	Code FBC2014/TPI2007							

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

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

REACTIONS. (lb/size) 4=240/Mechanical, 2=331/0-3-8
Max Horz 2=141(LC 12)
Max Uplift 4=-100(LC 12), 2=-75(LC 12)

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

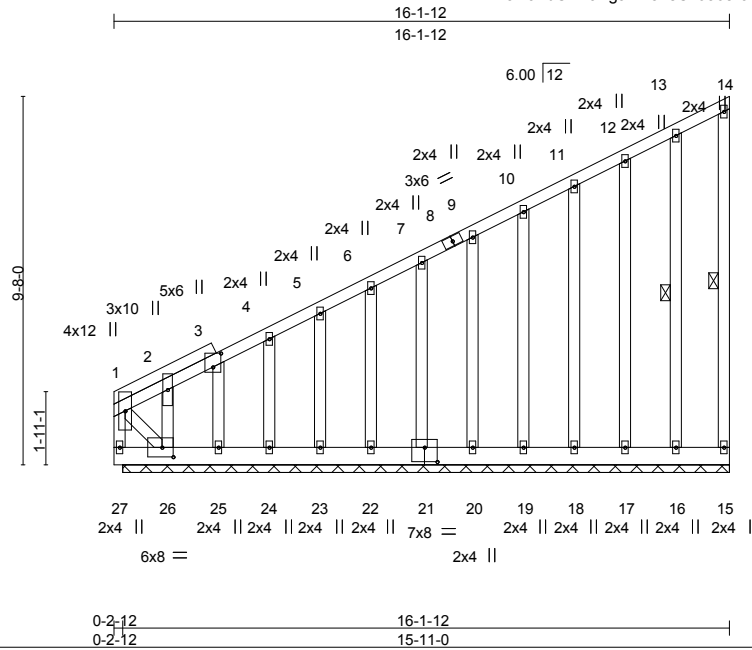
- NOTES-** (7-8)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has 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) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
 - 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

Job 814104	Truss T14	Truss Type Monopitch Supported Gable	Qty 1	Ply 1	Job Reference (optional) T8846982
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Scale = 1:60.4

Plate Offsets (X,Y)-- [3:0-4-6,0-2-8], [21:0-4-0,0-4-8], [26:0-3-8,0-3-0]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.02	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.20	Vert(TL) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 15 n/a n/a		
	Code FBC2014/TPI2007			Weight: 166 lb	FT = 20%

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

REACTIONS. All bearings 15-11-0.
 (lb) - Max Horz 27=405(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 15, 21, 22, 23, 24, 20, 19, 18, 17, 16 except 25=106(LC 12), 26=512(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) 15, 21, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16 except 27=624(LC 12)

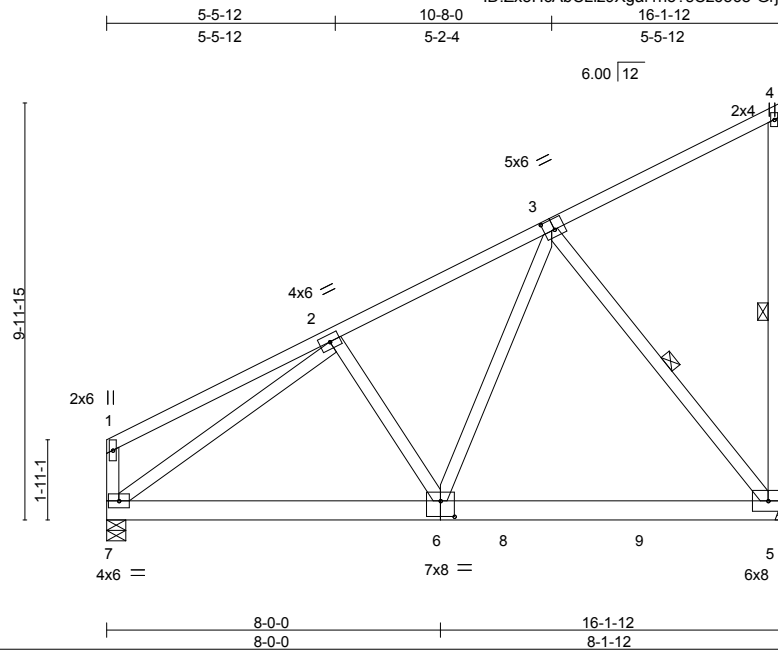
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-27=-680/228, 1-2=-490/174, 2-3=-453/161, 3-4=-393/139, 4-5=-369/132, 5-6=-327/117, 6-7=-284/102
 BOT CHORD 26-27=-435/152
 WEBS 1-26=-230/657

- NOTES-** (10-11)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; 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
 - 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) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 21, 22, 23, 24, 20, 19, 18, 17, 16 except (jt=lb) 25=106, 26=512.
 - 8) na
 - 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 11) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

Job 814104	Truss T15	Truss Type Monopitch	Qty 7	Ply 1	Job Reference (optional) T8846983
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7,640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:16 2016 Page 1
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Scale = 1:55.2

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.30	Vert(LL)	-0.05	5-6	>999	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.30	Vert(TL)	-0.10	5-6	>999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.49	Horz(TL)	0.01	5	n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix-M)						
							Weight: 119 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-11-10 oc bracing.
WEBS 1 Row at midpt 4-5, 3-5

REACTIONS. (lb/size) 5=587/Mechanical, 7=587/0-5-8
Max Horz 7=288(LC 12)
Max Uplift 5=-275(LC 12), 7=-73(LC 12)
Max Grav 5=603(LC 19), 7=587(LC 1)

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

TOP CHORD 2-3=-547/174
BOT CHORD 6-7=-548/511, 6-8=-306/317, 8-9=-306/317, 5-9=-306/317
WEBS 2-6=-141/310, 3-6=-214/391, 3-5=-508/492, 2-7=-570/55

NOTES- (7-8)

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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, with BCDL = 10.0psf.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 5=275.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314. **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

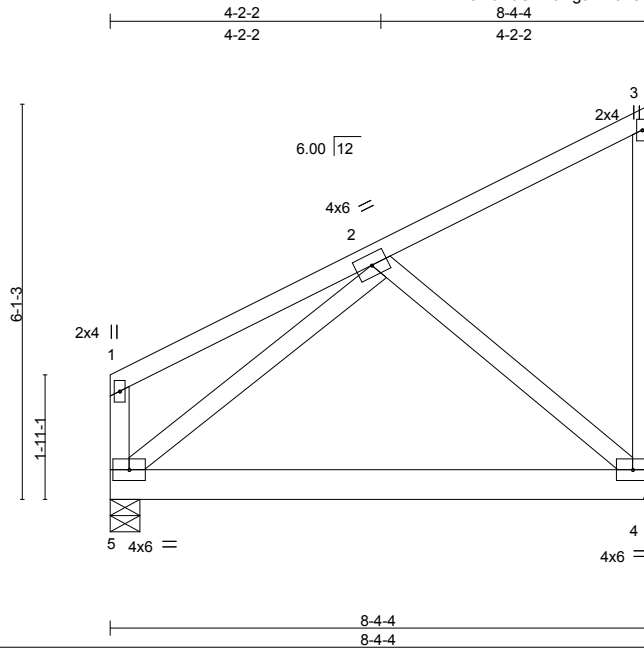


6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T16	Truss Type Monopitch	Qty 3	Ply 1	Job Reference (optional) T8846984
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Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:16 2016 Page 1
ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-GrjX5DcpxeYQG4DcWKpzPnZr5TBVyRrZJrC9dz63g9



Scale = 1:35.6

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.33	Vert(LL)	-0.05 4-5	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.29	Vert(TL)	-0.12 4-5	>796	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(TL)	-0.00 4	n/a	n/a		
BCDL 10.0	Code	FBC2014/TPI2007	(Matrix-M)					Weight: 58 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) 4=298/Mechanical, 5=298/0-5-8
Max Horz 5=146(LC 12)
Max Uplift 4=-154(LC 12), 5=-23(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-5=-287/160
WEBS 2-4=-202/374

- NOTES-** (7-8)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) 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) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 4=154.
 - 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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 36610

Job 814104	Truss T17	Truss Type Monopitch Supported Gable	Qty 1	Ply 1	Job Reference (optional)	T8846985
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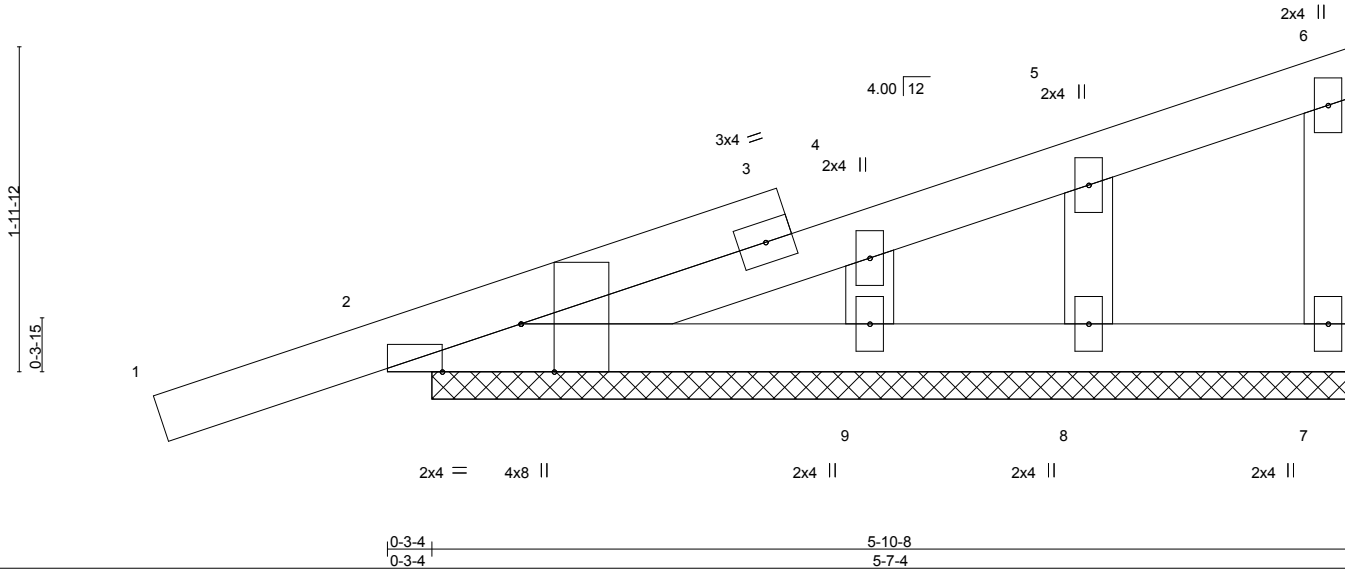
Builders FirstSource, Jacksonville, FL 32244

7,640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:17 2016 Page 1

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Scale = 1:14.0



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.13	Vert(LL) 0.00	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.07	Vert(TL) -0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.04	Horz(TL) 0.00		n/a	n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix)					Weight: 27 lb	FT = 20%

LUMBER-

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

BRACING-

- TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins, except end verticals.
- BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

- All bearings 5-7-4.
- (lb) - Max Horz 2=82(LC 8)
- Max Uplift All uplift 100 lb or less at joint(s) 2, 7, 9, 8
- Max Grav All reactions 250 lb or less at joint(s) 2, 7, 9, 8

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

NOTES- (9-10)

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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 studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7, 9, 8.
- na
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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 36610

Job 814104	Truss T18	Truss Type Monopitch	Qty 13	Ply 1	Job Reference (optional)	T8846986
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Builders FirstSource, Jacksonville, FL 32244

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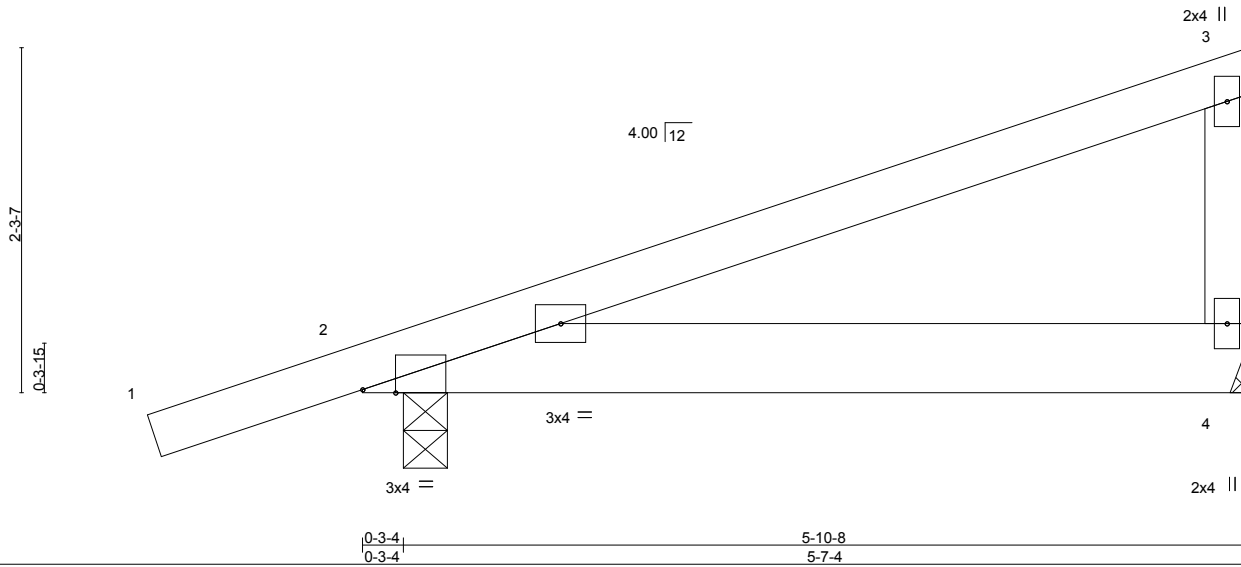


Plate Offsets (X,Y)-- [2:0-2-10,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.33	Vert(LL)	0.06	4-6	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.32	Vert(TL)	-0.05	4-6	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(TL)	-0.00	4	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)						
	Code FBC2014/TPI2007						Weight: 27 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=203/Mechanical, 2=295/0-3-8
 Max Horz 2=95(LC 8)
 Max Uplift 4=-137(LC 8), 2=-193(LC 8)

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

NOTES- (7-8)

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=137, 2=193.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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

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Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314. **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T19	Truss Type Monopitch	Qty 4	Ply 1	Job Reference (optional)	T8846987
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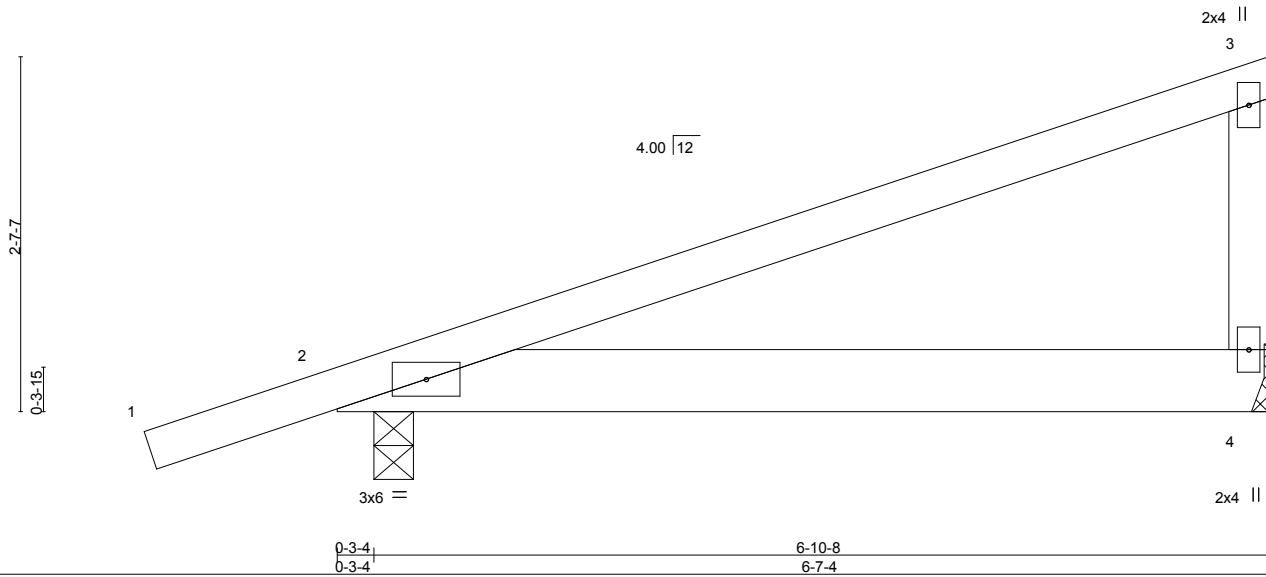
Builders FirstSource, Jacksonville, FL 32244

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Scale = 1:17.0



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.47	Vert(LL)	0.12 4-6	>681	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.44	Vert(TL)	-0.10 4-6	>845	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00 4	n/a	n/a		
BCDL 10.0	Code	FBC2014/TPI2007	(Matrix-M)					Weight: 32 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 4=241/Mechanical, 2=331/0-3-8
 Max Horz 2=107(LC 8)
 Max Uplift 4=-164(LC 8), 2=-213(LC 8)

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

NOTES- (7-8)

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=164, 2=213.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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

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Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314. **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T20	Truss Type Common Supported Gable	Qty 2	Ply 1	Job Reference (optional) T8846988
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Builders FirstSource, Jacksonville, FL 32244

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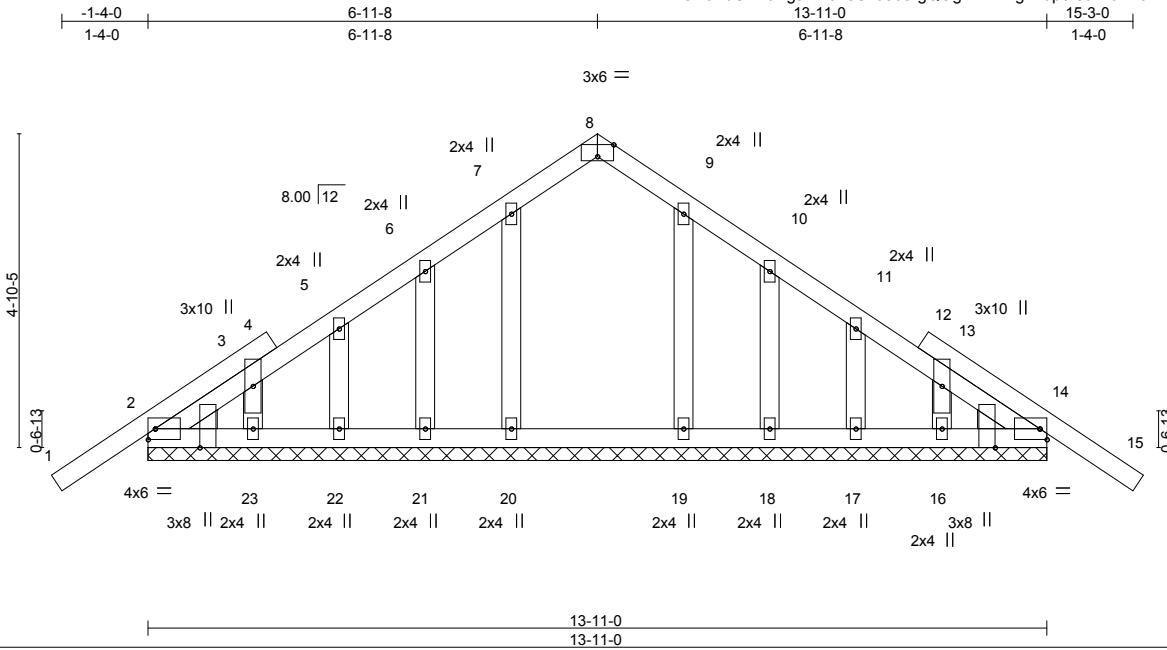


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [8:0-3-0,Edge], [14:0-3-8,Edge]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.19	Vert(LL) -0.01 15 n/r 120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.06	Vert(TL) -0.01 15 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(TL) 0.00 14 n/a n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix)		Weight: 83 lb	FT = 20%

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


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

REACTIONS. All bearings 13-11-0.
(lb) - Max Horz 2=-175(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 20, 21, 22, 23, 19, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 23, 19, 18, 17, 16

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

- NOTES-** (10-11)
- 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=25ft; 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 1-4-0 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 20, 21, 22, 23, 19, 18, 17, 16.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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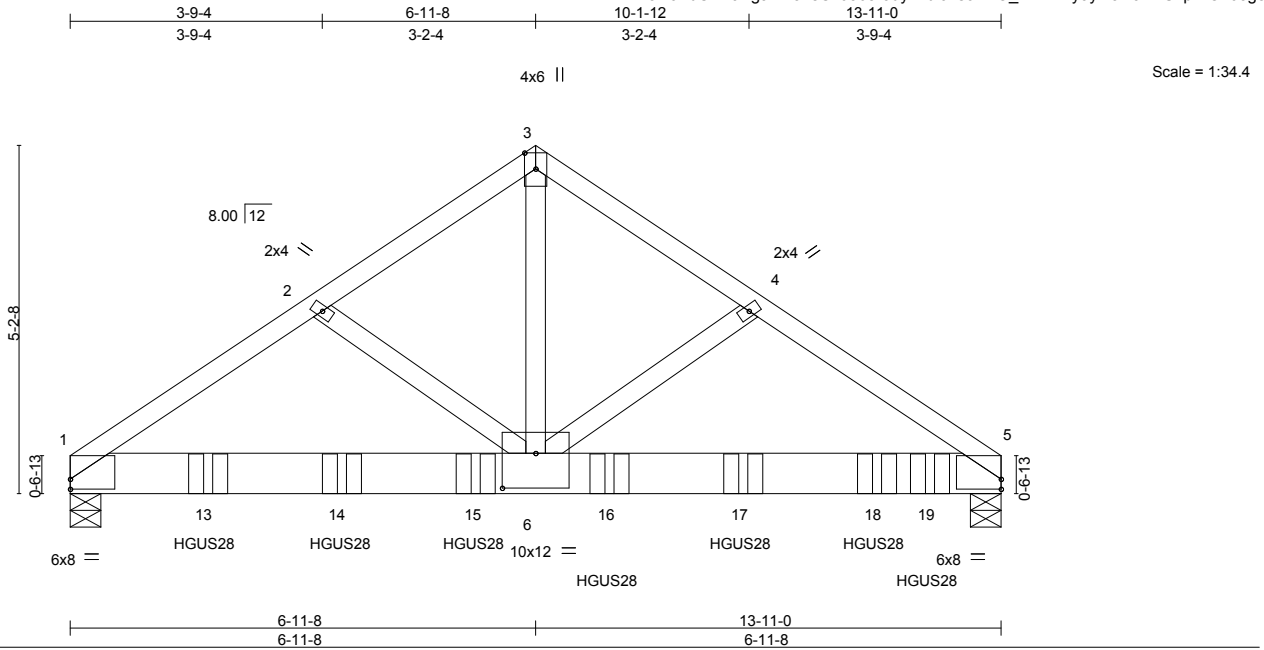


6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T21	Truss Type COMMON GIRDER	Qty 2	Ply 2	Job Reference (optional)	T8846989
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Scale = 1:34.4

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.65	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.55	Vert(LL) -0.09 6-12 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.75	Vert(TL) -0.21 6-12 >792 180		
BCDL 10.0	Rep Stress Incr NO	(Matrix-M)	Horz(TL) 0.01 5 n/a n/a		
	Code FBC2014/TPI2007			Weight: 172 lb	FT = 20%


LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins.
BOT CHORD 2x8 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 3-6: 2x4 SP No.2	

REACTIONS. (lb/size) 1=5136/0-5-8, 5=6571/0-5-8
Max Horz 1=124(LC 24)
Max Uplift 1=-1257(LC 8), 5=-1612(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6375/1573, 2-3=-6211/1553, 3-4=-6221/1555, 4-5=-6418/1583
BOT CHORD 1-13=-1325/5305, 13-14=-1325/5305, 14-15=-1325/5305, 6-15=-1325/5305,
6-16=-1291/5378, 16-17=-1291/5378, 17-18=-1291/5378, 18-19=-1291/5378,
5-19=-1291/5378
WEBS 3-6=-1647/6686, 4-6=-328/175

- NOTES-** (11-12)
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - 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=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1257, 5=1612.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - Use Simpson Strong-Tie HGUS28 (36-10d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 12-10-4 to connect truss(es) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

LOAD CASE(S) Standard
Continued on page 2

<p>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.</p>	 6904 Parke East Blvd. Tampa, FL 36610
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Job 814104	Truss T21	Truss Type COMMON GIRDER	Qty 2	Ply 2	Job Reference (optional) T8846989
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Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:20 2016 Page 2
ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-9dy2xbfJ?sozl2O_rMPI7Fy9yin5RcPRUxpPIOz63g5

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-54, 7-10=-20

Concentrated Loads (lb)

Vert: 13=-1527(B) 14=-1527(B) 15=-1527(B) 16=-1527(B) 17=-1527(B) 18=-1527(B) 19=-1514(B)

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

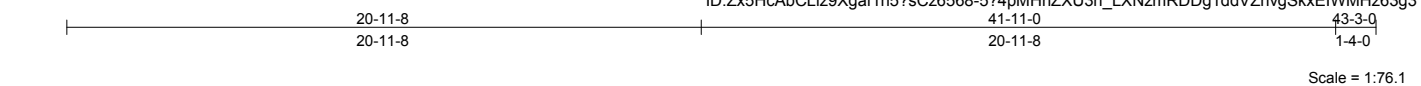
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 36610

Job 814104	Truss T22	Truss Type Common Supported Gable	Qty 1	Ply 1	T8846990
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Builders FirstSource, Jacksonville, FL 32244
 7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:22 2016 Page 1
 ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-5?4pMHhZ XU3h_LXNzmRDDg1ddVZnvsgSkxElWMHhZ63g3



Scale = 1:76.1


Plate Offsets (X,Y)-- [1:0-4-0-0-3-1], [11:0-2-12-0-3-4], [17:0-3-0,Edge], [23:0-2-12-0-3-4], [33:0-4-0-0-3-1], [43:0-2-8-0-1-8], [54:0-2-8-0-1-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.19	Vert(LL) -0.00 34 n/r 120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.09	Vert(TL) -0.00 34 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Horz(TL) 0.02 33 n/a n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix)			
				Weight: 344 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
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 16-49, 15-50, 14-51, 18-48, 19-47, 20-46

REACTIONS. All bearings 41-11-0.
 (lb) - Max Horz 1=-259(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 50, 51, 52, 53, 55, 56, 57, 58, 59, 60, 61, 46, 45, 44, 42, 41, 40, 39, 38, 37, 36, 33 except 62=-122(LC 12), 47=-115(LC 13), 35=-107(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 1, 49, 50, 51, 52, 53, 55, 56, 57, 58, 59, 60, 61, 48, 47, 46, 45, 44, 42, 41, 40, 39, 38, 37, 36, 35, 33 except 62=262(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-347/92, 2-3=-343/107, 3-4=-277/72, 15-16=-113/312, 16-17=-108/280, 17-18=-108/280, 18-19=-113/312, 31-32=-264/107, 32-33=-270/92
 BOT CHORD 1-62=-100/334, 61-62=-100/334, 60-61=-100/334, 59-60=-100/334, 58-59=-100/334, 57-58=-100/334, 56-57=-100/334, 55-56=-100/334, 54-55=-100/334, 53-54=-100/334, 52-53=-100/334, 51-52=-100/334, 50-51=-100/334, 49-50=-100/334, 48-49=-100/334, 47-48=-100/334, 46-47=-100/334, 45-46=-100/334, 44-45=-100/334, 43-44=-100/334, 42-43=-100/334, 41-42=-100/334, 40-41=-100/334, 39-40=-100/334, 38-39=-100/334, 37-38=-100/334, 36-37=-100/334, 35-36=-100/334, 33-35=-100/334

- NOTES-** (11-12)
- 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=25ft; 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 1-4-0 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 50, 51, 52, 53, 55, 56, 57, 58, 59, 60, 61, 46, 45, 44, 42, 41, 40, 39, 38, 37, 36, 33 except (jt=lb) 62=122, 47=115, 35=107.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

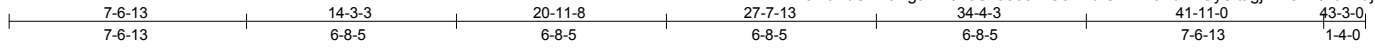
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before 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.</p>	 6904 Parke East Blvd. Tampa, FL 36610
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Job 814104	Truss T23	Truss Type Common	Qty 8	Ply 1	Job Reference (optional)	T8846991
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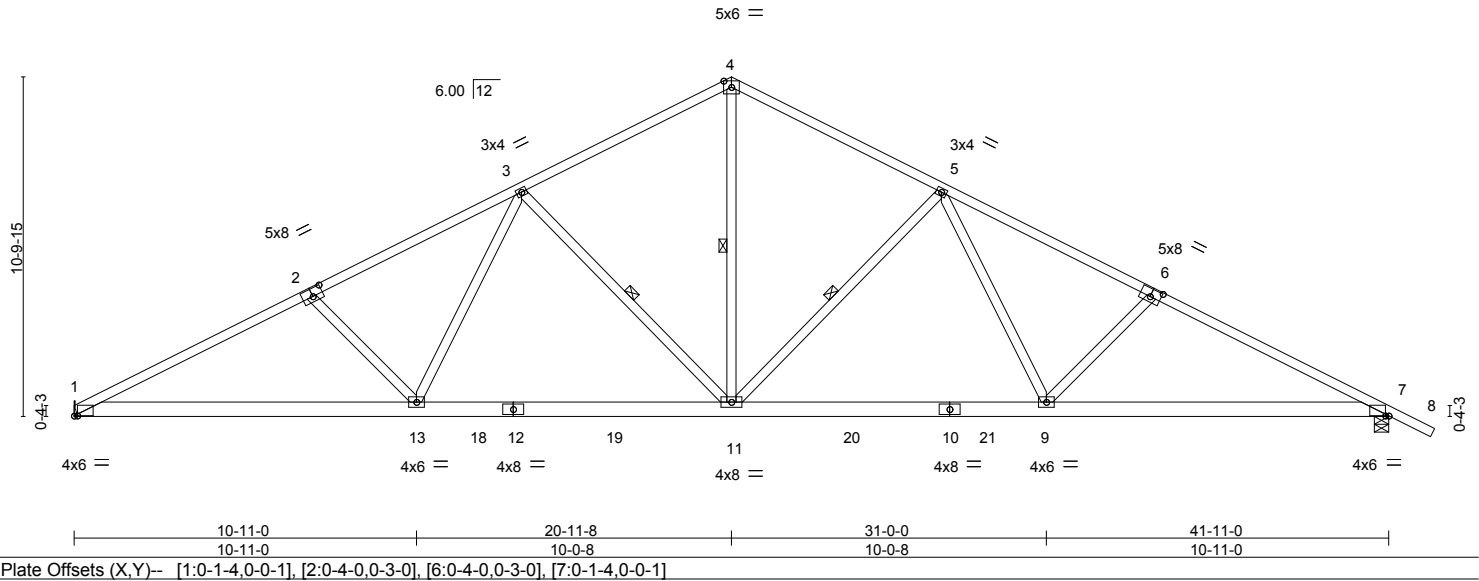
Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:23 2016 Page 1

ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-ZCeBZdiClnBYcv6ZXUySltagjvk7e1FtAu14ujz63g2



Scale = 1:73.5




LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.68	Vert(LL) -0.22 9-11 >999 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.79	Vert(TL) -0.49 9-17 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.49	Horz(TL) 0.13 7 n/a n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix-M)			
				Weight: 250 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-5-14 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-11-8 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 4-11, 5-11, 3-11

REACTIONS. (lb/size) 1=1547/Mechanical, 7=1625/0-5-8
Max Horz 1=-165(LC 8)
Max Uplift 1=-370(LC 12), 7=-400(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2941/1743, 2-3=-2683/1659, 3-4=-1845/1265, 4-5=-1845/1265, 5-6=-2689/1658,
6-7=-2932/1743
BOT CHORD 1-13=-1397/2569, 13-18=-993/2077, 12-18=-993/2077, 12-19=-993/2077,
11-19=-993/2077, 11-20=-993/2077, 10-20=-993/2077, 10-21=-993/2077, 9-21=-993/2077,
7-9=-1398/2576
WEBS 4-11=-820/1293, 5-11=-741/615, 5-9=-307/636, 6-9=-364/409, 3-11=-739/615,
3-13=-307/629, 2-13=-361/408

- NOTES-** (8-9)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vuult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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.
 - 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) 1=370, 7=400.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

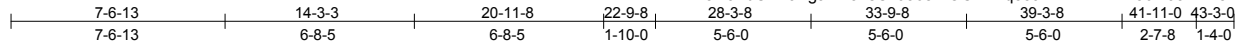
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before 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.</p>	 6904 Parke East Blvd. Tampa, FL 36610
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Job 814104	Truss T24	Truss Type Roof Special	Qty 7	Ply 1	Job Reference (optional) T8846992
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Builders FirstSource, Jacksonville, FL 32244

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ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-1OCZnziq35JPDfmm4BThl56rkJ34NR81PYndRAz63g1



Scale = 1:81.5

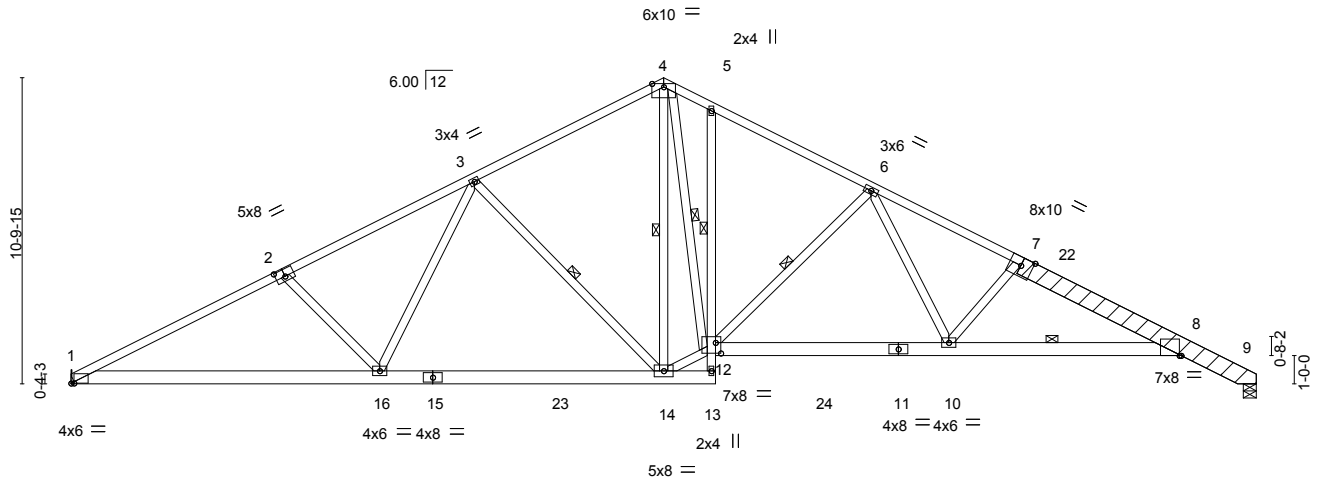


Plate Offsets (X,Y)--	[1:0-1-4,0-0-1], [2:0-4-0,0-3-0], [8:0-0-12,0-0-0], [12:0-2-4,0-4-8]
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LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.66	Vert(LL) -0.25 10-12 >999 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.87	Vert(TL) -0.62 10-12 >812 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.64	Horz(TL) 0.30 9 n/a n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix-M)		Weight: 308 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 2-7-6 oc purlins.
7-9: 2x8 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 5-10-15 oc bracing. Except:
BOT CHORD 2x6 SP No.2 *Except*	1 Row at midpt 5-12
5-13: 2x4 SP No.3	5-5-0 oc bracing: 8-10
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 4-14, 6-12, 4-12, 3-14
OTHERS 2x8 SP 2400F 2.0E	
LBR SCAB 7-9 2x8 SP 2400F 2.0E one side	

REACTIONS. (lb/size) 1=1534/Mechanical, 9=1552/0-5-8
 Max Horz 1=-154(LC 8)
 Max Uplift 1=-368(LC 12), 9=-368(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-2909/1725, 2-3=-2649/1638, 3-4=-1821/1253, 4-5=-2051/1487, 5-6=-2131/1400,
 6-7=-3152/1905, 7-22=-3310/1997, 8-9=-686/419
 BOT CHORD 1-16=-1414/2541, 15-16=-1012/2049, 15-23=-1012/2049, 14-23=-1012/2049,
 12-24=-1194/2411, 11-24=-1194/2411, 10-11=-1194/2411, 8-10=-1715/3175
 WEBS 2-16=-362/408, 3-16=-295/626, 6-12=-814/617, 6-10=-427/820, 7-10=-639/521,
 4-12=-936/1594, 12-14=-561/1708, 3-14=-733/615

- NOTES-** (10-11)
- Attached 9-3-13 scab 7 to 9, back face(s) 2x8 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c. except : starting at 0-0-0 from end at joint 7, nail 2 row(s) at 7" o.c. for 2-0-0; starting at 4-3-13 from end at joint 7, nail 2 row(s) at 3" o.c. for 3-0-5.
 - 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=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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.
 - Refer to girder(s) for truss to truss connections.
 - 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 capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=368, 9=368.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

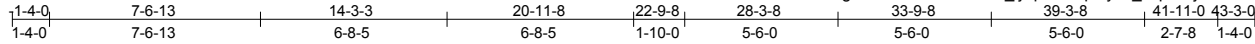
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.</p>	 <p>6904 Parke East Blvd. Tampa, FL 36610</p>
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Job 814104	Truss T25	Truss Type ROOF SPECIAL	Qty 2	Ply 1	T8846993
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Builders FirstSource, Jacksonville, Fl 32244

Job Reference (optional)
7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:25 2016 Page 1

ID:Zx5HcAbCLiz9Xgaf1n5?CsZ6568-Valx_ljSpPRGrpGyev_wqif0OjPj6tPAeCWAzcz63g0



Scale = 1:82.7

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


LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.87	Vert(LL) -0.26 11-13 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.64	Vert(TL) -0.62 11-13 >804 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)	Horz(TL) 0.31 10 n/a n/a		
	Code FBC2014/TPI2007			Weight: 311 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 2-6-7 oc purlins.
8-10: 2x8 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 5-11-0 oc bracing. Except:
BOT CHORD 2x6 SP No.2 *Except*	1 Row at midpt 6-13
6-14: 2x4 SP No.3	5-5-0 oc bracing: 9-11
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-15, 7-13, 5-13, 4-15
OTHERS 2x8 SP 2400F 2.0E	
LBR SCAB 8-10 2x8 SP 2400F 2.0E one side	

REACTIONS. (lb/size) 2=1613/0-3-8, 10=1553/0-5-8
Max Horz 2=165(LC 11)
Max Uplift 2=398(LC 12), 10=368(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2902/1726, 3-4=-2657/1638, 4-5=-1823/1253, 5-6=-2053/1487, 6-7=-2134/1400,
7-8=-3155/1905, 8-23=-3313/1997, 9-10=-686/419
BOT CHORD 2-17=-1415/2550, 16-17=-1012/2054, 16-24=-1012/2054, 15-24=-1012/2054,
12-13=-1194/2413, 12-25=-1194/2413, 25-26=-1194/2413, 11-26=-1194/2413,
9-11=-1715/3177
WEBS 3-17=-365/409, 4-17=-295/634, 7-13=-814/617, 7-11=-427/814, 8-11=-639/521,
5-13=-935/1596, 13-15=-561/1706, 4-15=-736/615

- NOTES-** (9-10)
- 1) Attached 9-3-13 scab 8 to 10, back face(s) 2x8 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c. except : starting at 4-3-13 from end at joint 8, nail 2 row(s) at 3" o.c. for 3-0-5.
 - 2) Unbalanced roof live loads have been considered for this design.
 - 3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=398, 10=368.
 - 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 10) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

<p>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.</p>	 <p>6904 Parke East Blvd. Tampa, FL 36610</p>
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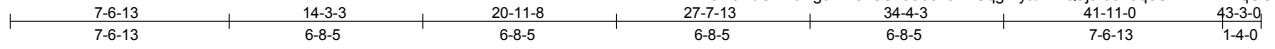
Job 814104	Truss T26	Truss Type GABLE	Qty 1	Ply 1	T8846994
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Builders FirstSource, Jacksonville, FL 32244

Job Reference (optional)

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:29 2016 Page 1

ID:Zx5HcAbCLiz9Xgaf1n5?sCz6568-OL?SqgmytdxiKQajtk3s?8qeUKIF2kimYqUO5Nz63fy



Scale = 1:79.7

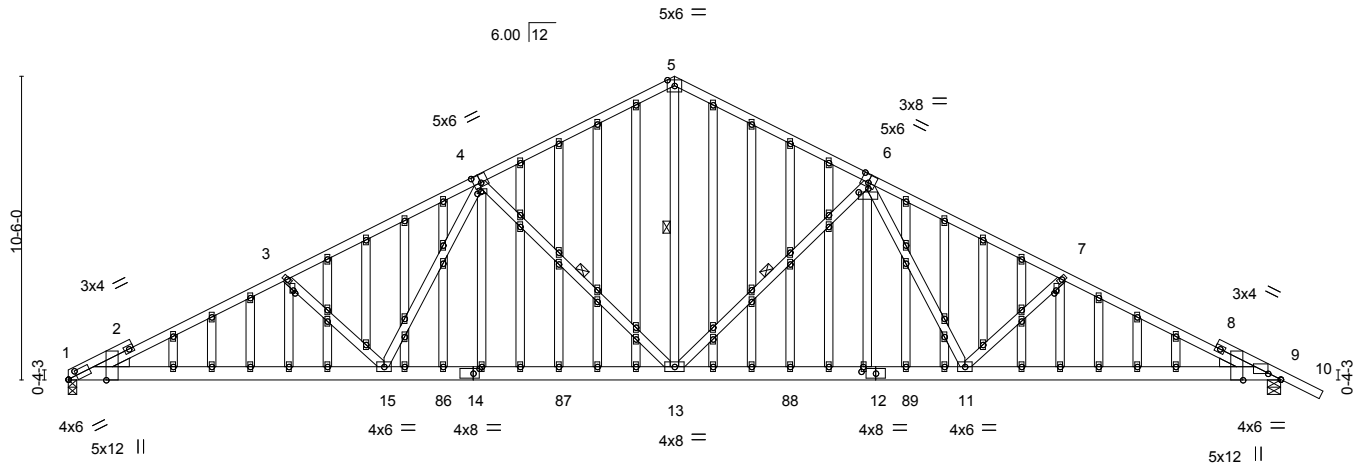


Plate Offsets (X,Y)-- [1:0-3-12,0-2-0], [1:0-0-4,Edge], [3:0-1-3,0-0-12], [4:0-1-8,0-0-13], [4:0-3-0,0-3-4], [6:0-4-0,0-1-8], [6:0-3-0,0-3-4], [7:0-1-3,0-0-12], [9:0-0-4,Edge], [9:0-5-4,0-2-7], [14:0-2-8,0-2-0], [59:0-2-0,0-0-12]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.91	Vert(LL)	0.28 15-78	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.93	Vert(TL)	-0.57 15-78	>877	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.49	Horz(TL)	0.14 9	n/a	n/a		
BCDL 10.0	Code	FBC2014/TPI2007	(Matrix-M)					Weight: 445 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
8-10: 2x4 SP No.1, 1-4,6-9: 2x4 SP M 31
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-13, 6-13, 4-13

REACTIONS.

(lb/size) 1=1547/0-3-8, 9=1631/0-5-8
Max Horz 1=-260(LC 13)
Max Uplift 1=-644(LC 12), 9=-699(LC 13)

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

TOP CHORD 1-2=-2889/1681, 2-3=-3102/1851, 3-4=-2823/1723, 4-5=-1873/1268, 5-6=-1873/1268,
6-7=-2796/1703, 7-8=-3069/1827, 8-9=-2853/1655
BOT CHORD 1-15=-1532/2781, 15-86=-1048/2147, 14-86=-1048/2147, 14-87=-1048/2147,
13-87=-1048/2147, 13-88=-1041/2137, 12-88=-1041/2137, 12-89=-1041/2137,
11-89=-1041/2137, 9-11=-1506/2745
WEBS 5-13=-820/1297, 6-13=-762/631, 6-11=-449/448, 4-13=-775/641,
4-15=-348/697, 3-15=-467/462

NOTES- (10-11)

- 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=25ft; 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 1-4-0 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=644, 9=699.
- 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 11) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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.

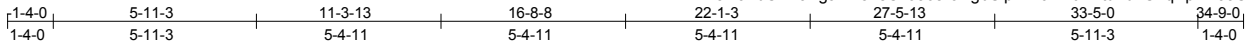


6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T27	Truss Type Common Structural Gable	Qty 1	Ply 1	Job Reference (optional) 7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:32 2016 Page 1	T8846995
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Builders FirstSource, Jacksonville, FL 32244

ID: Zx5HcAbCLiz9Xgaf1n5?sCz6568-owgbSiprAYJHBullYtdZdnSFqXpHF09CFoj2iiz63fv



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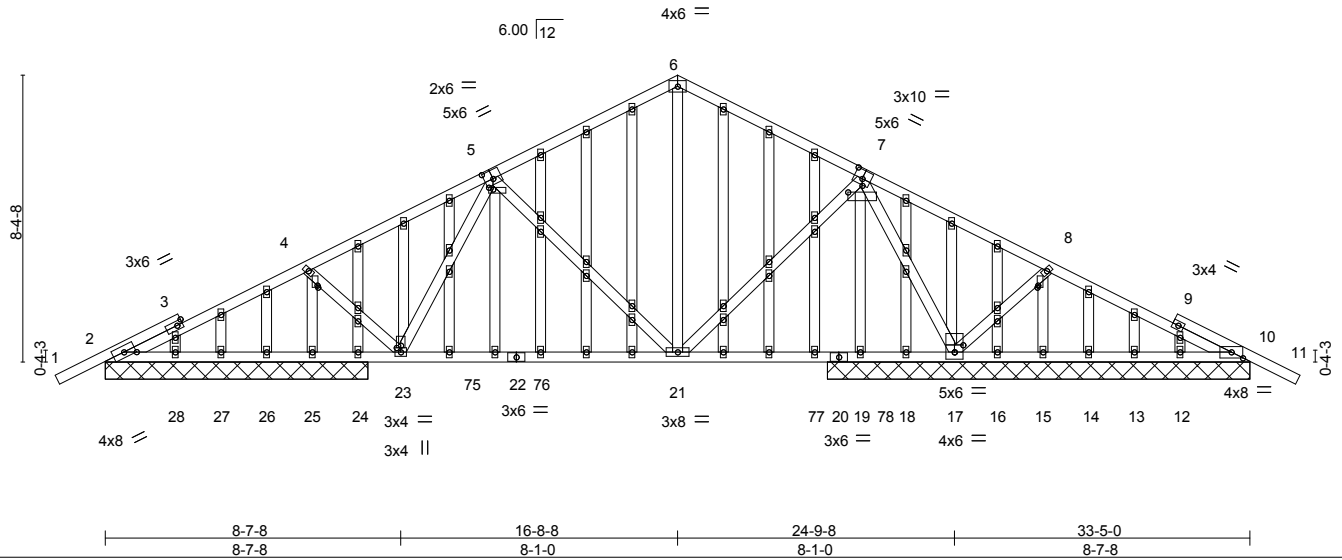


Plate Offsets (X,Y)-- [2:0-4-0,0-1-15], [5:0-1-8,0-0-10], [5:0-3-0,0-3-0], [7:0-5-0,0-2-5], [7:0-3-0,0-3-0], [10:0-4-0,0-2-1], [17:0-3-0,0-2-8], [23:0-0-13,0-1-8], [45:0-0-11,0-0-4], [63:0-0-11,0-0-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.52	Vert(LL)	-0.13 21-23	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.78	Vert(TL)	-0.33 21-23	>526	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.77	Horz(TL)	0.02 17	n/a	n/a		
BCDL 10.0	Code FBC2014/TPI2007		(Matrix-M)					Weight: 297 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-7-1 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 12-4-0 except (jt=length) 2=7-8-0, 24=7-8-0, 25=7-8-0, 26=7-8-0, 27=7-8-0, 28=7-8-0, 2=7-8-0.
 (lb) - Max Horz 2=197(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 26, 27, 18, 14, 13, 10 except 2=-195(LC 12), 24=-357(LC 12), 25=-351(LC 1), 28=-191(LC 12), 17=-566(LC 13), 12=-152(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 25, 26, 27, 19, 18, 16, 15, 14, 13, 12, 10, 10 except 2=486(LC 1), 24=580(LC 1), 28=269(LC 1), 17=1183(LC 1), 2=486(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-867/482, 3-4=-875/527, 4-5=-732/438, 5-6=-482/413, 6-7=-482/413, 7-8=-219/510, 8-9=-114/288
 BOT CHORD 2-28=-404/830, 27-28=-404/830, 26-27=-404/830, 25-26=-404/830, 24-25=-404/830, 23-24=-404/830, 23-75=-231/628, 22-75=-231/628, 22-76=-231/628, 21-76=-231/628
 WEBS 7-21=-130/418, 7-17=-1084/698, 8-17=-260/305, 5-21=-325/308, 4-23=-272/313

- NOTES-** (10-11)
- 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=25ft; 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 studs spaced at 1-4-0 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 27, 18, 14, 13, 10, 10 except (jt=lb) 2=195, 24=357, 25=351, 28=191, 17=566, 12=152, 2=195.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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.

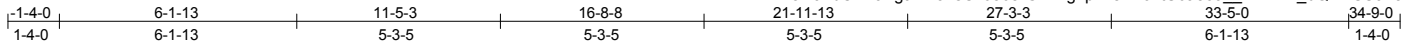
6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T28	Truss Type Common	Qty 2	Ply 1	Job Reference (optional) T8846996
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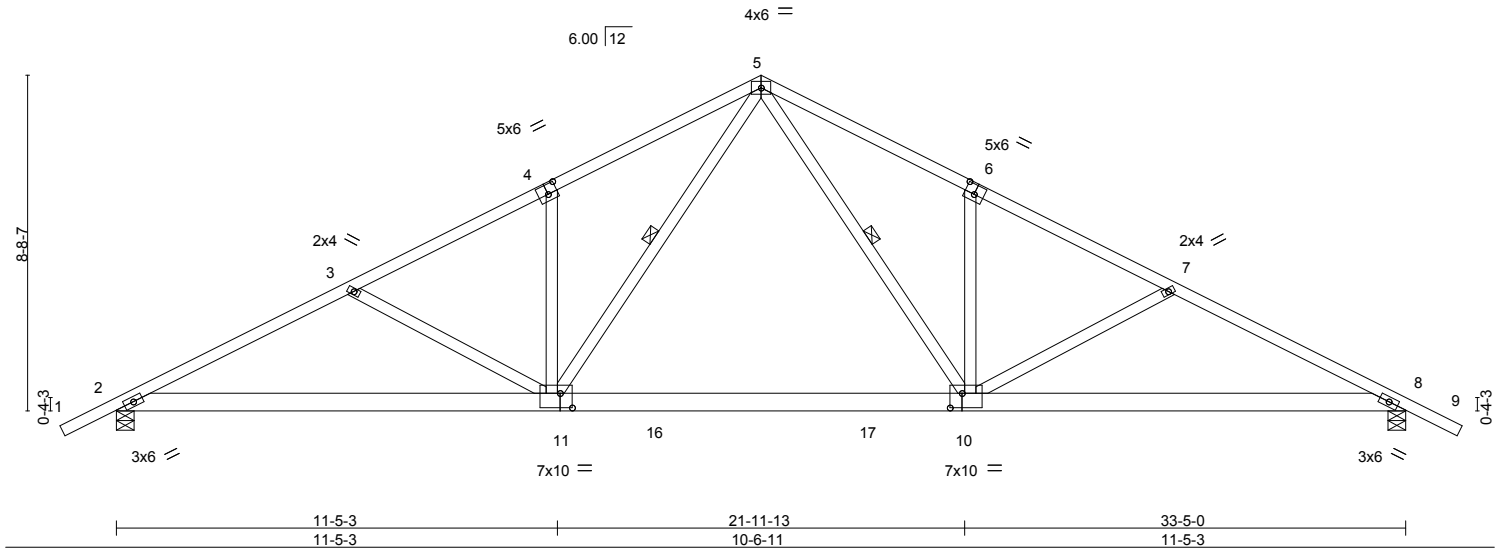
Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:33 2016 Page 1

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Scale = 1:59.7



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.46	Vert(LL)	-0.21	10-11	>999	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.67	Vert(TL)	-0.45	11-13	>889		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.32	Horz(TL)	0.09	8	n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix-M)					Weight: 200 lb	FT = 20%


LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-11 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-10-12 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-10, 5-11

REACTIONS. (lb/size) 2=1312/0-5-8, 8=1312/0-5-8
 Max Horz 2=-131(LC 10)
 Max Uplift 2=-325(LC 12), 8=-325(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2274/1377, 3-4=-1961/1184, 4-5=-1946/1338, 5-6=-1946/1338, 6-7=-1961/1185,
 7-8=-2274/1377
 BOT CHORD 2-11=-1085/2005, 11-16=-454/1243, 16-17=-454/1243, 10-17=-454/1243,
 8-10=-1094/2005
 WEBS 5-10=-552/866, 6-10=-291/346, 7-10=-349/367, 5-11=-552/867, 4-11=-291/346,
 3-11=-349/367

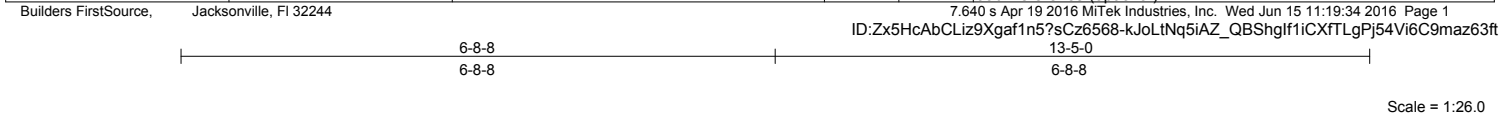
- NOTES-** (7-8)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=325, 8=325.
 - 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - 8) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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.

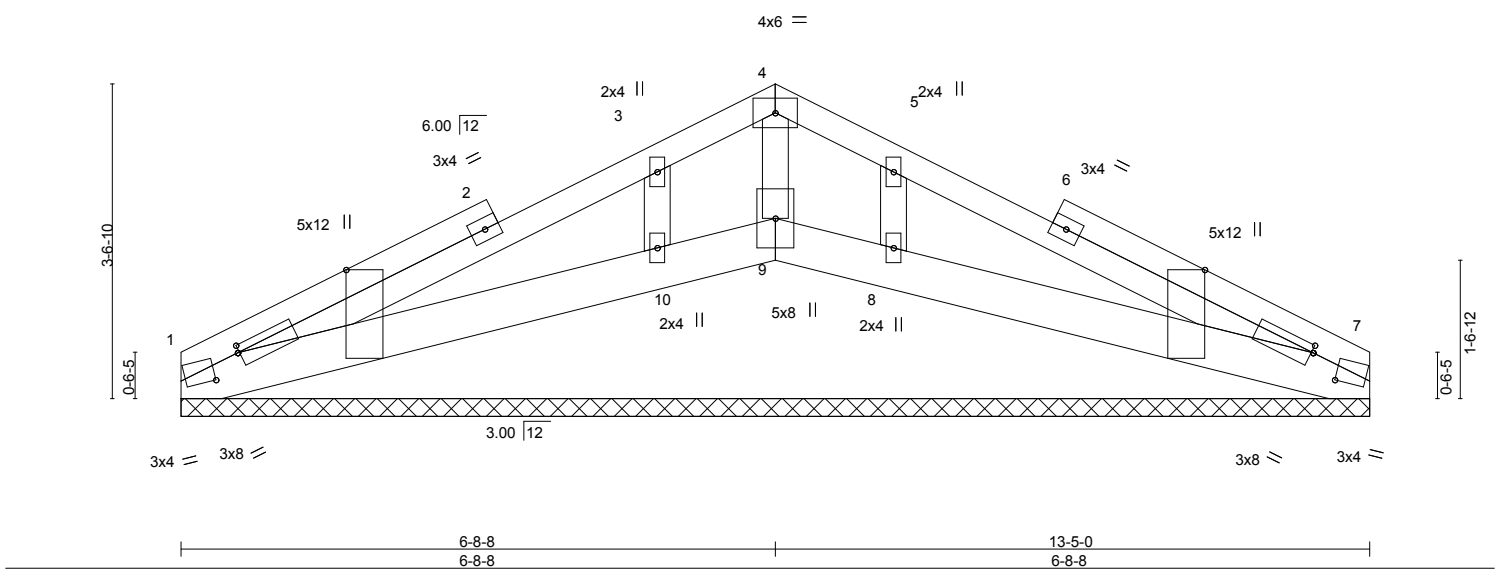


6904 Parke East Blvd.
Tampa, FL 36610

Job 814104	Truss T29	Truss Type GABLE	Qty 1	Ply 1	Job Reference (optional) 7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:34 2016 Page 1 ID:Zx5HcAbCLiz9Xgaf1n5?S Cz6568-kJoLtnQ5iAZ_QBSHglf1iCXfTLgPJ54Vi6C9maz63ft	T8846997
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Scale = 1:26.0



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.26	Vert(LL) n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.10	Vert(TL) n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.10	Horz(TL) 0.00	7	n/a	n/a		
BCDL 10.0	Code FBC2014/TPI2007	(Matrix)					Weight: 69 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 13-5-0.
 (lb) - Max Horz 1=-47(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 9=194(LC 1), 10=-163(LC 12), 8=-163(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 1, 7, 9 except 10=435(LC 1), 8=435(LC 1)

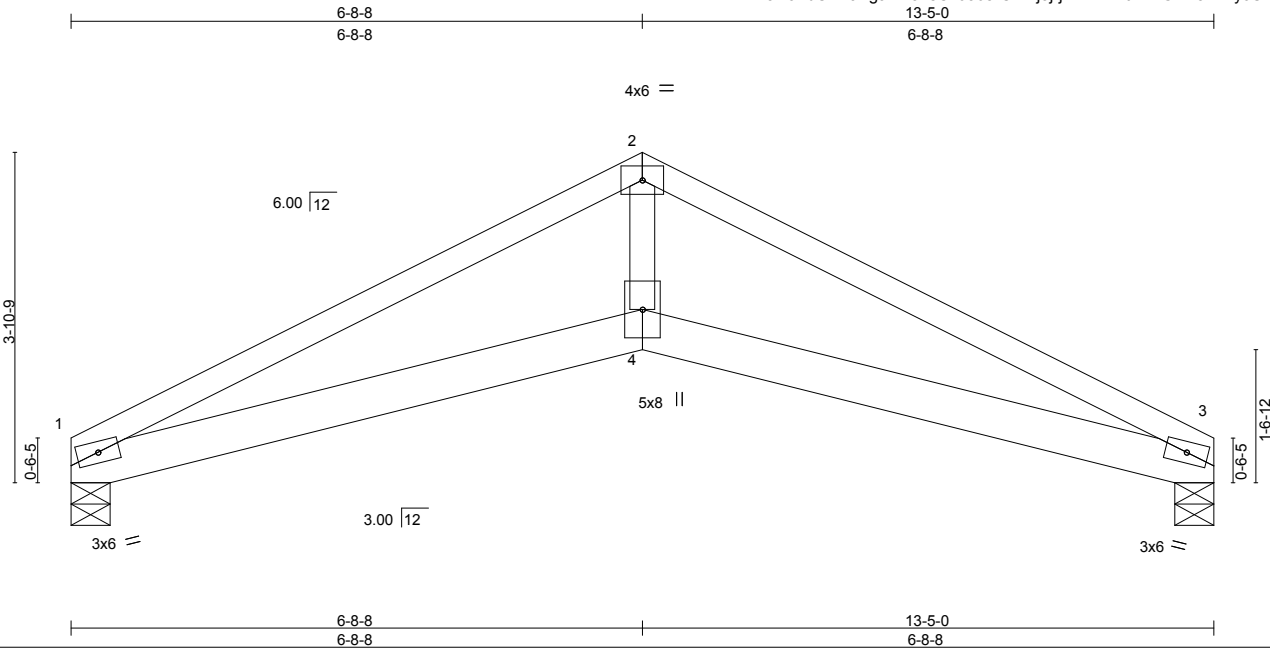
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-10=-277/342, 5-8=-277/342

- NOTES-** (11-12)
- 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=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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 1-4-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 9=194, 10=163, 8=163.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 9, 10, 8.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

Job 814104	Truss T30	Truss Type Scissor	Qty 7	Ply 1	Job Reference (optional) T8846998
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Builders FirstSource, Jacksonville, FL 32244

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 15 11:19:35 2016 Page 1
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Scale = 1:27.1

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 0.43	Vert(LL)	0.04	4-10	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.28	Vert(TL)	-0.09	4-10	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.24	Horz(TL)	0.04	3	n/a		
BCDL 10.0	Code	FBC2014/TPI2007	(Matrix-M)						
								Weight: 58 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-11-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-14 oc bracing.

REACTIONS.

(lb/size) 1=496/0-5-8, 3=496/0-5-8
Max Horz 1=-49(LC 8)
Max Uplift 1=-118(LC 12), 3=-118(LC 13)

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

TOP CHORD 1-2=-1128/662, 2-3=-1128/662
BOT CHORD 1-4=-490/987, 3-4=-491/988
WEBS 2-4=-277/633

NOTES- (8-9)

- 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=25ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Bearing at joint(s) 1, 3 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 capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=118, 3=118.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 9) Note: Visually graded lumber designation SP, represents new lumber design values as per SPIB.

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

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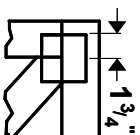
Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314. **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



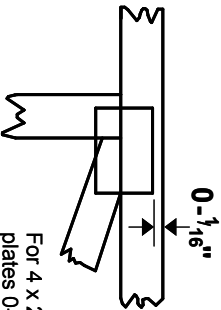
6904 Parke East Blvd.
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.



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

* Plate location details available in **MITek 2020 software** or upon request.

PLATE SIZE

4 X 4

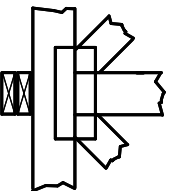
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



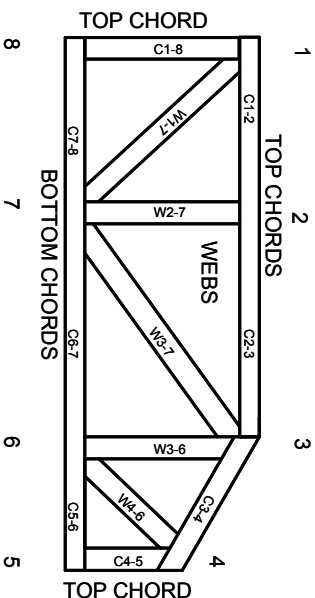
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP11: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

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



JOINTS ARE GENERALLY NUMBERED/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 section 6.3. These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: Mill-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 wane 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.