



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

RE: 2340296 - IC CONST. - STALVEY RES.

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: IC Construcion Project Name: Stalvey Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 982 Gabe Street, N/A
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

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

This package includes 49 individual, Truss Design Drawings and 0 Additional Drawings.

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

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T20177623	CJ01	5/11/20	23	T20177645	T13	5/11/20
2	T20177624	CJ03	5/11/20	24	T20177646	T14	5/11/20
3	T20177625	CJ05	5/11/20	25	T20177647	T15	5/11/20
4	T20177626	EJ01	5/11/20	26	T20177648	T16	5/11/20
5	T20177627	EJ02	5/11/20	27	T20177649	T17	5/11/20
6	T20177628	HJ10	5/11/20	28	T20177650	T18	5/11/20
7	T20177629	PB01	5/11/20	29	T20177651	T19G	5/11/20
8	T20177630	PB01G	5/11/20	30	T20177652	T20	5/11/20
9	T20177631	T01	5/11/20	31	T20177653	T20G	5/11/20
10	T20177632	T01G	5/11/20	32	T20177654	T21	5/11/20
11	T20177633	T02	5/11/20	33	T20177655	T22	5/11/20
12	T20177634	T03	5/11/20	34	T20177656	T22D	5/11/20
13	T20177635	T04	5/11/20	35	T20177657	T23	5/11/20
14	T20177636	T05	5/11/20	36	T20177658	T24	5/11/20
15	T20177637	T06	5/11/20	37	T20177659	T24G	5/11/20
16	T20177638	T06G	5/11/20	38	T20177660	T25	5/11/20
17	T20177639	T07	5/11/20	39	T20177661	T26	5/11/20
18	T20177640	T08	5/11/20	40	T20177662	T26G	5/11/20
19	T20177641	T09	5/11/20	41	T20177663	T27	5/11/20
20	T20177642	T10	5/11/20	42	T20177664	T28	5/11/20
21	T20177643	T11	5/11/20	43	T20177665	T29	5/11/20
22	T20177644	T12	5/11/20	44	T20177666	T29G	5/11/20

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

Truss Design Engineer's Name: Lee, Julius

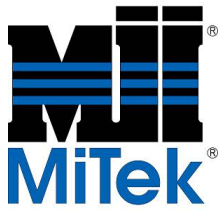
My license renewal date for the state of Florida is February 28, 2021.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 11,2020



RE: 2340296 - IC CONST. - STALVEY RES.

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

Site Information:

Customer Info: IC Construcion Project Name: Stalvey Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 982 Gabe Street, N/A
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
45	T20177667	V01	5/11/20
46	T20177668	V02	5/11/20
47	T20177669	V03	5/11/20
48	T20177670	V04	5/11/20
49	T20177671	V05	5/11/20

Job	Truss	Truss Type	Qty	Ply	IC CONST. - STALVEY RES.	T20177625
2340296	CJ05	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:16 2020 Page 1
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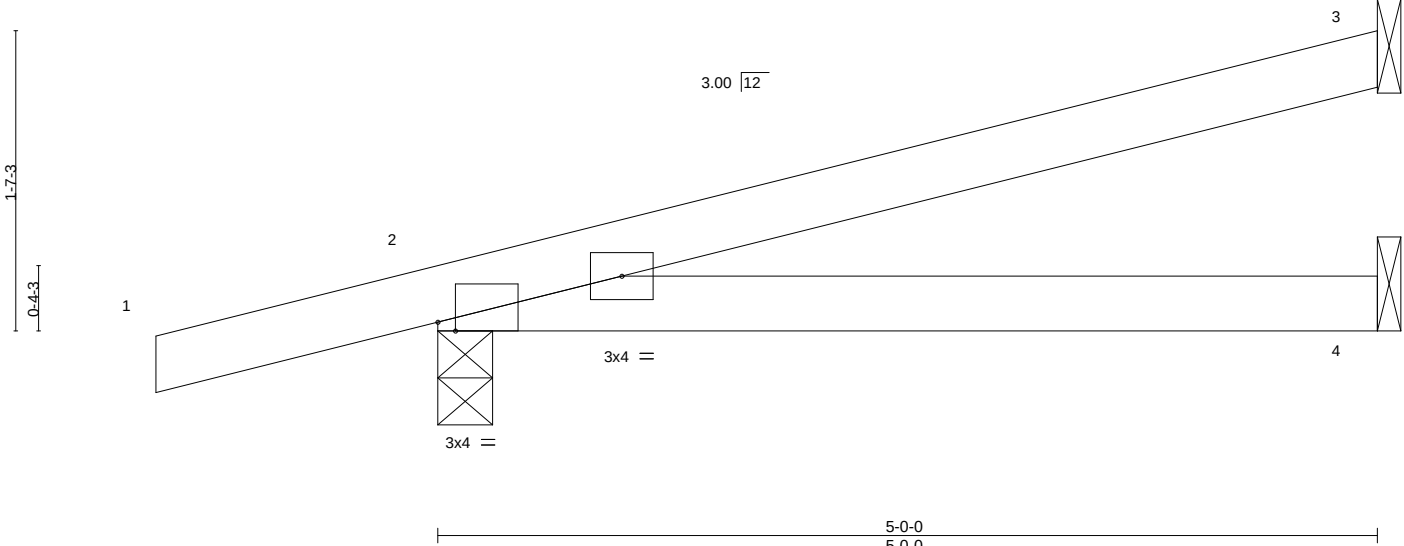


Plate Offsets (X,Y)--		[2:0-1-2,Edge]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.33		Vert(LL)	0.08 4-7	>751	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.34		Vert(CT)	0.07 4-7	>870	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00 3	n/a	n/a		
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MP						Weight: 18 lb	FT = 20%

LUMBER-

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

BRACING-

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

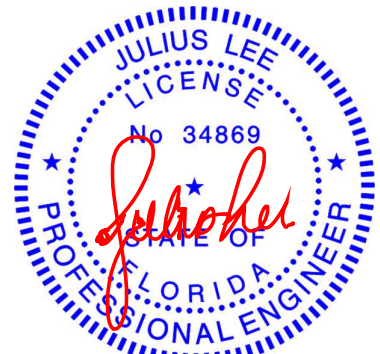
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=84(LC 8)
Max Uplift 3=88(LC 8), 2=232(LC 8), 4=49(LC 8)
Max Grav 3=110(LC 1), 2=276(LC 1), 4=85(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) 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) 3, 4 except (jt=lb) 2=232.



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Date:

May 11,2020

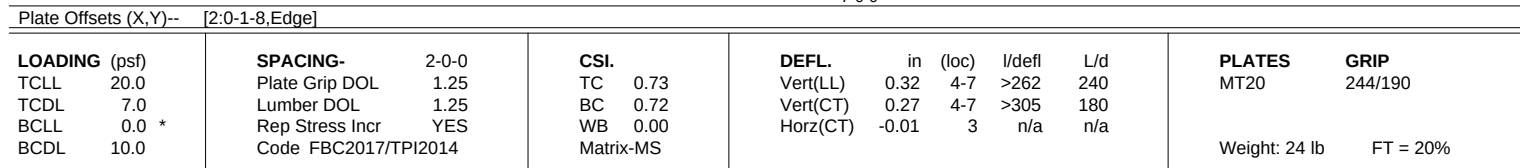
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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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8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:17 2020 Page 1
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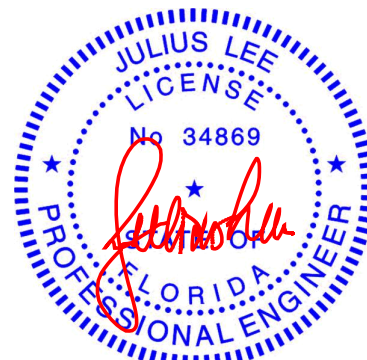


REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
 Max Horz 2=109(LC 8)
 Max Uplift 3=-129(LC 8), 2=-282(LC 8), 4=-71(LC 8)
 Max Grav 3=162(LC 1), 2=346(LC 1), 4=122(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) 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 except (jt=lb) 3=129, 2=282.



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Date:

May 11, 2020

Job 2340296	Truss EJ02	Truss Type Jack-Open	Qty 7	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177627
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:18 2020 Page 1

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1-6-0

2-0-0
2-0-0

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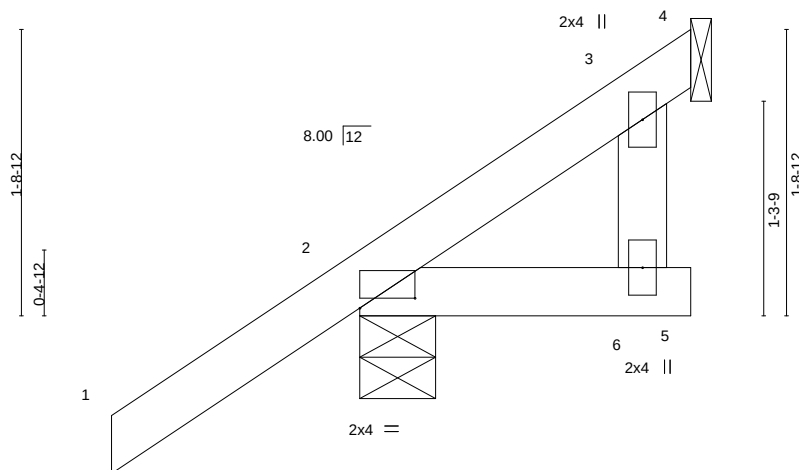


Plate Offsets (X,Y)-- [2:0-4-0,0-0-11]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.18	Vert(LL)	-0.00	9	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	-0.00	9	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	4	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						
								Weight: 11 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 4=Mechanical, 2=0-5-8
Max Horz 2=106(LC 12)
Max Uplift 4=-30(LC 12), 2=-88(LC 12)
Max Grav 4=52(LC 19), 2=185(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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) 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.



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Date:

May 11,2020

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Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:19 2020 Page 1
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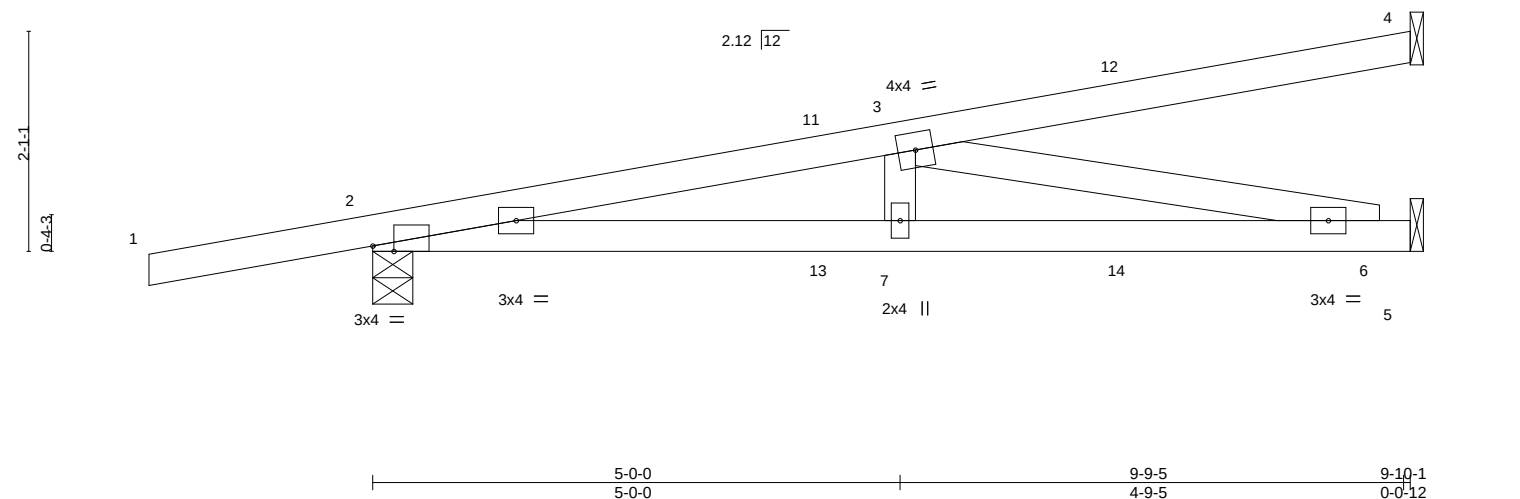


Plate Offsets (X,Y)-- [2:0-2-7,Edge]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	0.13	6-7	>911	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.12	6-7	>942	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 40 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-1-9 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-6-5 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=108(LC 4)
Max Uplift 4=-113(LC 8), 2=-448(LC 4), 5=-256(LC 4)
Max Grav 4=138(LC 1), 2=531(LC 1), 5=313(LC 1)

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

TOP CHORD 2-3=-1281/962
BOT CHORD 2-7=-1005/1253, 6-7=-1005/1253
WEBS 3-7=-138/261, 3-6=-1279/1026

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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 rafter 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=113, 2=448, 5=256.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 26 lb down and 38 lb up at 4-4-0, 26 lb down and 38 lb up at 4-4-0, and 48 lb down and 90 lb up at 7-1-15, and 48 lb down and 90 lb up at 7-1-15 on top chord , and 62 lb down and 22 lb up at 1-6-1, 62 lb down and 22 lb up at 1-6-1, 19 lb down and 36 lb up at 4-4-0, 19 lb down and 36 lb up at 4-4-0, and 40 lb down and 67 lb up at 7-1-15, and 40 lb down and 67 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 11=-0(F=-0, B=-0) 12=-68(F=-34, B=-34) 13=-13(F=-7, B=-7) 14=-63(F=-32, B=-32)



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

May 11, 2020



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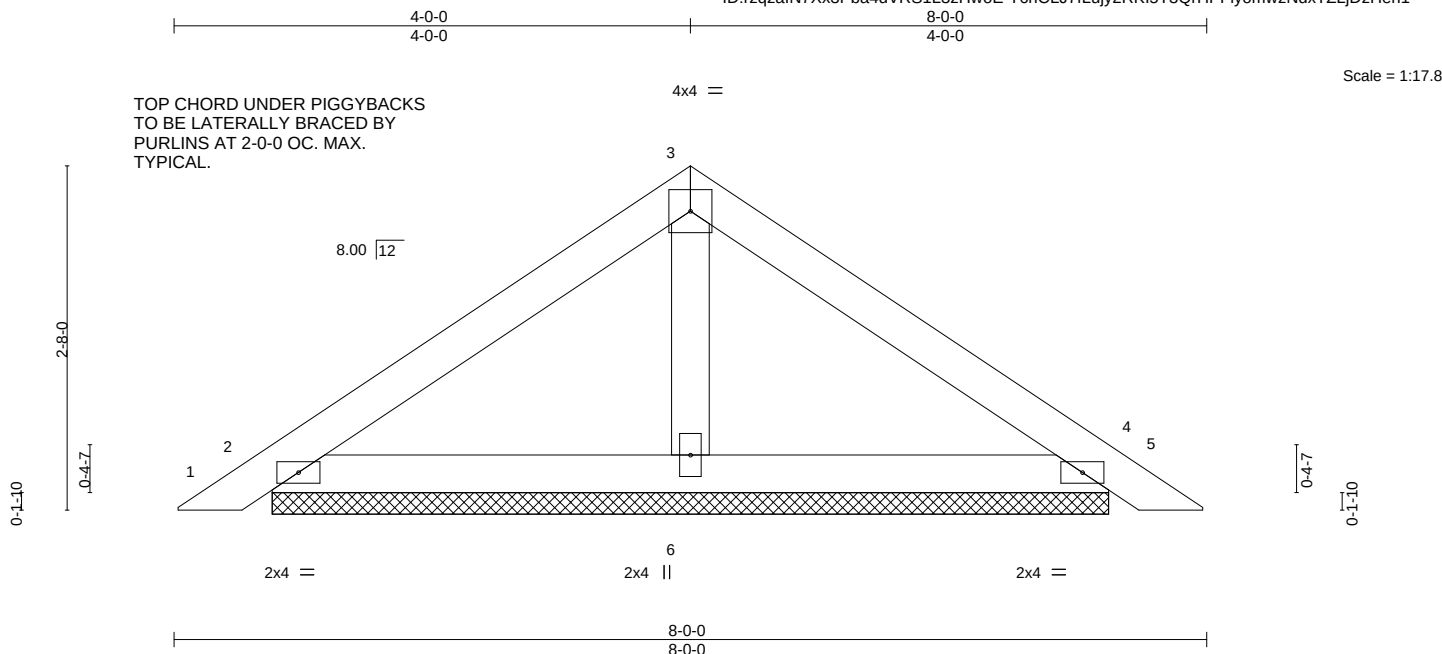
6904 Parke East Blvd.
Tampa, FL 36610

Job 2340296	Truss PB01	Truss Type Piggyback	Qty 17	Ply 1	IC CONST. - STALVEY RES. T20177629
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Builders FirstSource,

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:20 2020 Page 1
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.18	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.11	Vert(CT)	0.01	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-P						Weight: 27 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 2=6-5-12, 4=6-5-12, 6=6-5-12
Max Horz 2=-77(LC 10)
Max Uplift 2=-82(LC 12), 4=-92(LC 13), 6=-42(LC 12)
Max Grav 2=156(LC 1), 4=156(LC 1), 6=219(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Gable requires continuous bottom chord bearing.
- 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, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:

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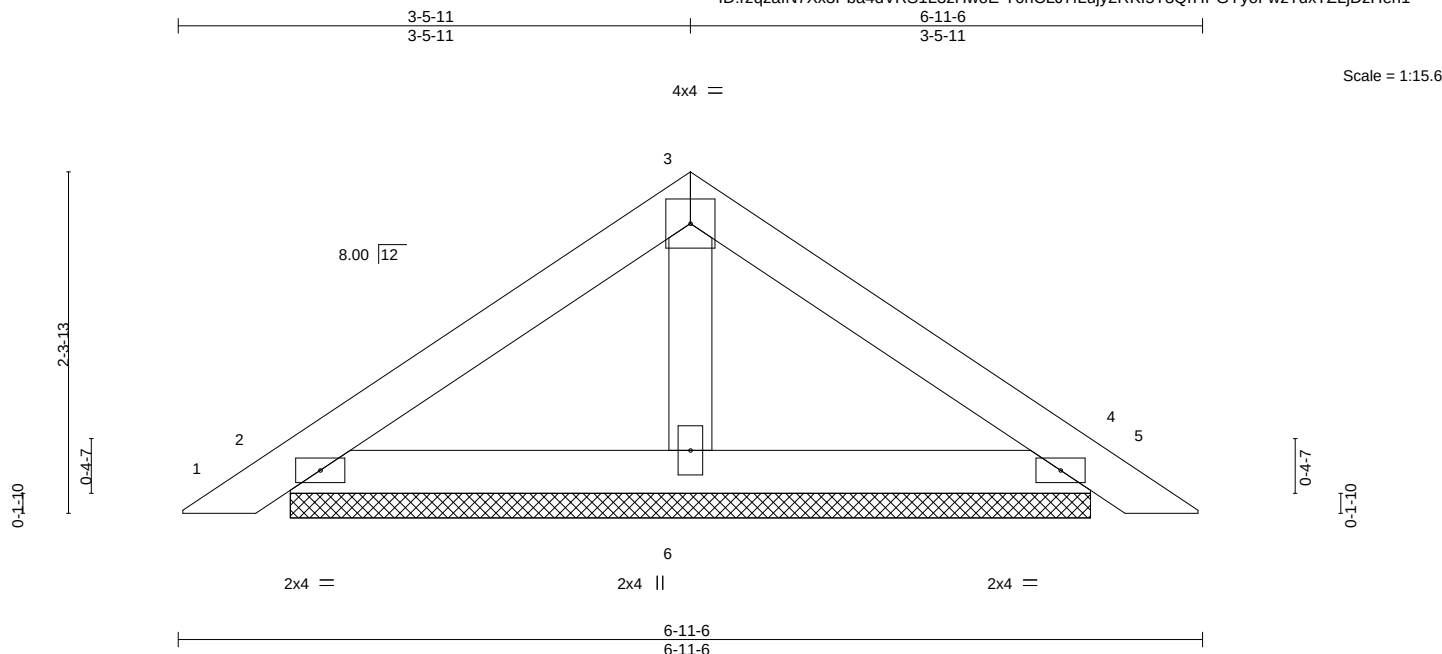


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Tampa, FL 33610

Job 2340296	Truss PB01G	Truss Type GABLE	Qty 2	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177630
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:20 2020 Page 1
ID: rzqzalN7Xx3Pba4dVRS1L3zHwoE-T6hCLJ7fLujy2RKI5T3QrHPGYyoFwzTdxTZLjDzHen1



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.12	Vert(LL) 0.00	5	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.07	Vert(CT) 0.00	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(CT) 0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-P					Weight: 23 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 2=5-5-2, 4=5-5-2, 6=5-5-2
Max Horz 2=-66(LC 10)
Max Uplift 2=-72(LC 12), 4=-80(LC 13), 6=-34(LC 12)
Max Grav 2=136(LC 1), 4=136(LC 1), 6=182(LC 1)

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

NOTES-

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



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Date:

May 11, 2020

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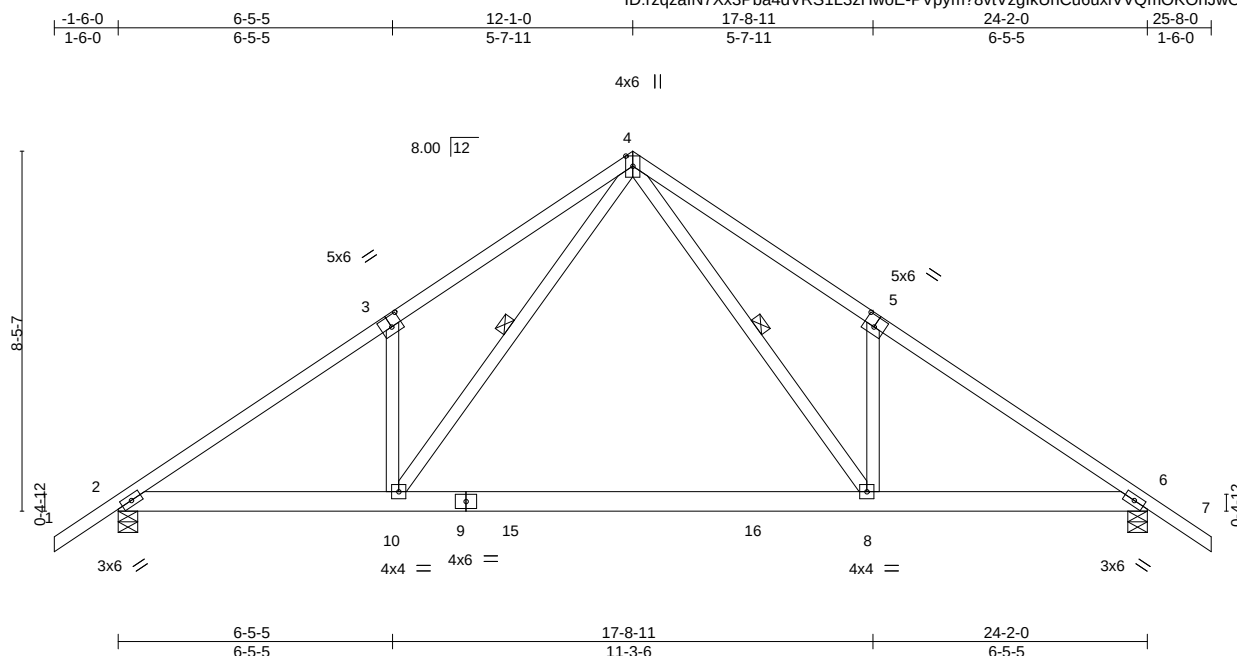
6904 Parke East Blvd.
Tampa, FL 33610

Job 2340296	Truss T01	Truss Type Common	Qty 4	Ply 1	IC CONST. - STALVEY RES. T20177631
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Builders FirstSource, Jacksonville, FL - 32244,

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ID: rzqzaIN7Xx3Pba4dVRS1L3zHwoE-PVpym?8vtVzglkUhCu6uxiVVQmOKOnJwOn2So6zHen?



Scale = 1:54.1

Plate Offsets (X,Y)--		[3:0-3-0,0-3-0], [5:0-3-0,0-3-0]								
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 0.55	Vert(LL)	-0.24 8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.42	Vert(CT)	-0.47 8-10	>615	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB 0.45	Horz(CT)	0.02 6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 145 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-8, 4-10

REACTIONS.

(size) 2=0-5-8, 6=0-5-8
Max Horz 2=-282(LC 10)
Max Uplift 2=-530(LC 12), 6=-530(LC 13)
Max Grav 2=1348(LC 19), 6=1348(LC 20)

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

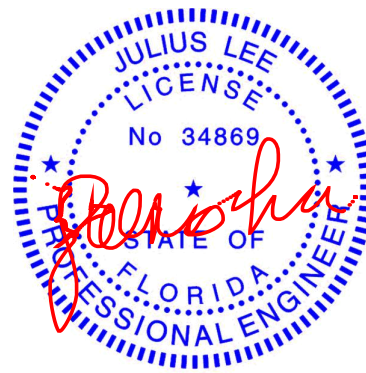
TOP CHORD 2-3=-2175/858, 3-4=-2232/1071, 4-5=-2232/1071, 5-6=-2175/858
BOT CHORD 2-10=-673/1924, 8-10=-287/1112, 6-8=-561/1753
WEBS 4-8=-656/1399, 5-8=-408/378, 4-10=-657/1399, 3-10=-408/378

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=530, 6=530.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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



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Date:

May 11,2020

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6904 Parke East Blvd.
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Job 2340296	Truss T01G	Truss Type GABLE	Qty 1	Ply 1	IC CONST. - STALVEY RES. T20177632
Job Reference (optional)					

Builders FirstSource, Jacksonville, FL - 32244,

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ID: rzqzalN7Xx3Pba4dVRS1L3zHwoE-uhNKzK9Xep5Xvu2tmbd7Tw1hEAjL7G23dRn?KYzHen_

-1-6-0	6-5-5	12-1-0	17-8-11	24-2-0	25-8-0
1-6-0	6-5-5	5-7-11	5-7-11	6-5-5	1-6-0

4x6 ||

Scale = 1:54.6

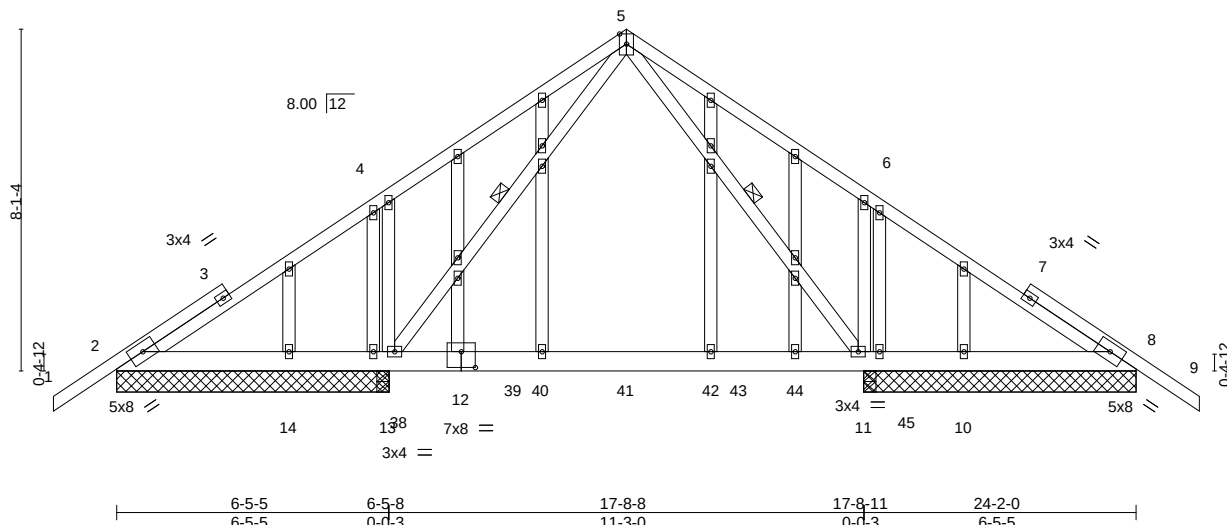


Plate Offsets (X,Y)--		[12:0-4-0,0-4-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc)		l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC 0.48		Vert(LL) -0.11 11-13		>999 240		MT20 244/190	
TCDL	7.0	Lumber DOL 1.25		BC 0.50		Vert(CT) -0.19 11-13		>700 180			
BCLL	0.0 *	Rep Stress Incr NO		WB 0.29		Horz(CT) 0.01 8		n/a n/a			
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 198 lb FT = 20%	

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 9-8-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-11, 5-13

REACTIONS.

All bearings 6-5-8.
(lb) - Max Horz 2=-271(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 8 except 11=-497(LC 9), 13=-547(LC 8), 14=-236(LC 27), 10=-235(LC 28)
Max Grav All reactions 250 lb or less at joint(s) 8, 14, 10, 8 except 11=1089(LC 34), 11=789(LC 1), 13=1363(LC 33), 13=1088(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-245/565, 4-5=-15/550, 6-8=-183/272
BOT CHORD 2-14=-445/331, 13-14=-445/331, 11-13=-154/272, 10-11=-201/283, 8-10=-201/283
WEBS 6-11=-385/369, 5-13=-609/99, 4-13=-370/366

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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.
- N/A
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 8 except (jt=lb) 11=497, 13=547, 14=236, 10=235.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 56 lb down and 40 lb up at 6-0-12, 56 lb down and 40 lb up at 8-0-12, 56 lb down and 40 lb up at 10-0-12, 56 lb down and 40 lb up at 12-1-0, 56 lb down and 40 lb up at 14-1-4, and 56 lb down and 40 lb up at 16-1-4, and 56 lb down and 40 lb up at 18-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)

Standard



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May 11,2020

Continued on page 2

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - STALVEY RES.	T20177632
2340296	T01G	GABLE	1	1	Job Reference (optional)	

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-5=-54, 5-9=-54, 33-37=-20

Concentrated Loads (lb)

Vert: 12=-23(F) 38=-23(F) 40=-23(F) 41=-23(F) 42=-23(F) 44=-23(F) 45=-23(F)

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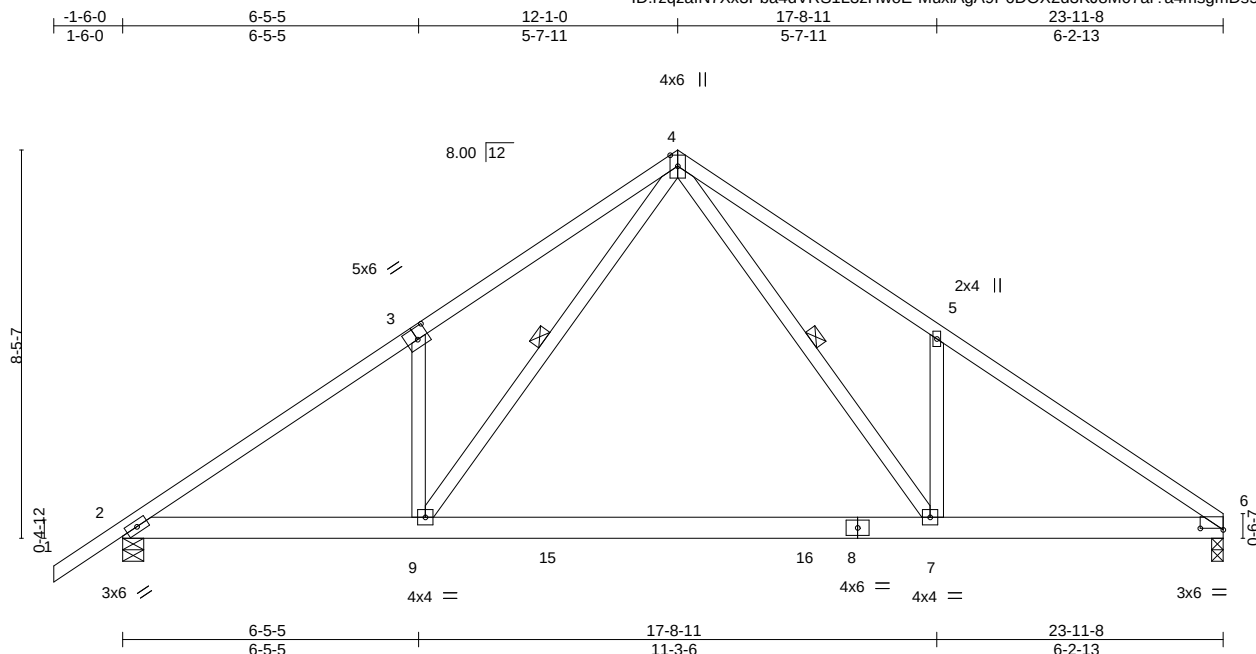
6904 Parke East Blvd.
Tampa, FL 36610

Job 2340296	Truss T02	Truss Type Common	Qty 5	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177633
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Builders FirstSource, Jacksonville, FL - 32244,

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Scale = 1:50.2

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [6:0-6-0,0-0-6]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	L/defl	PLATES
TCLL 20.0	Plate Grip DOL	1.25	TC 0.54	Vert(LL)	-0.24	7-9 >999	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.42	Vert(CT)	-0.47	7-9 >610	GRIP
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.45	Horz(CT)	0.02	6 n/a	244/190
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS				Weight: 142 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-5-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-7, 4-9

REACTIONS.

(size) 6=0-3-0, 2=0-5-8
Max Horz 2=271(LC 9)
Max Uplift 6=-475(LC 13), 2=-528(LC 12)
Max Grav 6=1261(LC 20), 2=1337(LC 19)

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

TOP CHORD 2-3=-2157/857, 3-4=-2214/1070, 4-5=-2181/1066, 5-6=-2121/846
BOT CHORD 2-9=-694/1892, 7-9=-307/1078, 6-7=-592/1684
WEBS 4-7=-654/1354, 5-7=-401/379, 4-9=-658/1403, 3-9=-408/378

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=475, 2=528.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 2-9=-20, 7-9=-80(F=-60), 7-10=-20



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Date:

May 11,2020

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Tampa, FL 33610

Job 2340296	Truss T04	Truss Type Half Hip	Qty 1	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177635
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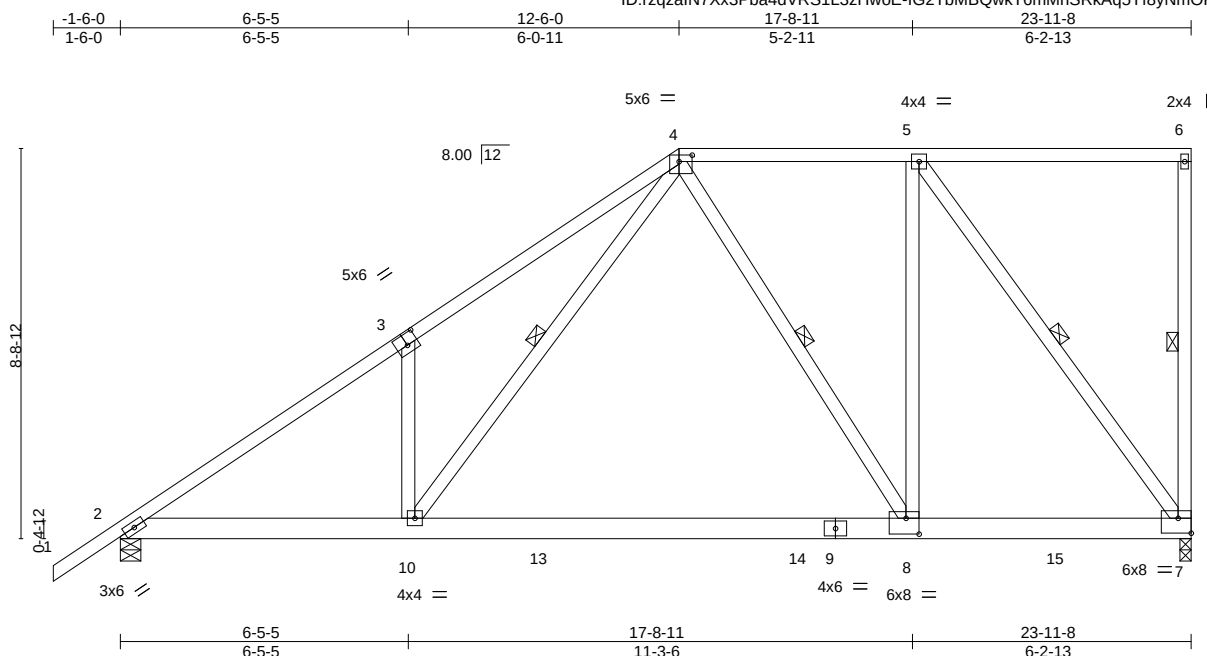


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [4:0-3-8,0-1-12], [7:Edge,0-4-0], [8:0-3-8,0-4-4]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.22 8-10 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.43 8-10 >661 180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.02 7 n/a n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS				Weight: 171 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-7, 4-10, 4-8, 5-7

REACTIONS.

(size) 7=0-3-0, 2=0-5-8
Max Horz 2=449(LC 12)
Max Uplift 7=537(LC 9), 2=487(LC 12)
Max Grav 7=1225(LC 2), 2=1324(LC 19)

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

TOP CHORD 2-3=-2124/788, 3-4=-2199/1018, 4-5=-843/423
BOT CHORD 2-10=-928/1791, 8-10=-532/943, 7-8=-423/843
WEBS 3-10=-448/404, 4-10=-689/1428, 4-8=-273/239, 5-8=-335/1030, 5-7=-1426/712

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=537, 2=487.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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



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Date:

May 11,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job 2340296	Truss T05	Truss Type Half Hip	Qty 1	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177636
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-1-6-0	6-5-5	12-1-0	14-2-8	17-8-11	23-11-8
1-6-0	6-5-5	5-7-11	2-1-8	3-6-3	6-2-13

Scale = 1:57.4

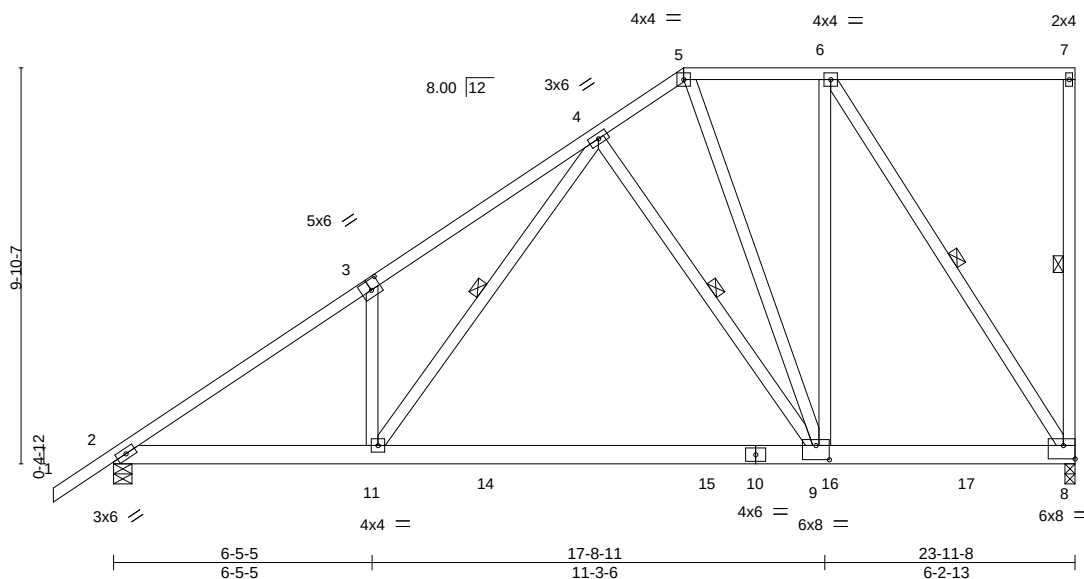


Plate Offsets (X, Y)-- [3:0-3-0,0-3-0], [8:Edge,0-4-0], [9:0-4-0,0-4-4]

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 0.46	Vert(LL)	-0.21	9-11	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.40	Vert(CT)	-0.41	9-11	>693	180	
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.86	Horz(CT)	0.02	8	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 190 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-8-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-8, 4-11, 6-8, 4-9

REACTIONS.

(size) 8=0-3-0, 2=0-5-8
Max Horz 2=504(LC 12)
Max Uplift 8=532(LC 9), 2=483(LC 12)
Max Grav 8=1230(LC 2), 2=1348(LC 19)

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

TOP CHORD 2-3=-2154/745, 3-4=-2204/953, 4-5=-804/389, 5-6=-765/388
BOT CHORD 2-11=-941/1827, 9-11=-581/1046, 8-9=-382/747
WEBS 3-11=-400/363, 4-11=-636/1346, 5-9=-193/431, 6-9=-371/1053, 6-8=-1381/702, 4-9=-755/481

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 8=532, 2=483.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-7=-54, 2-11=-20, 11-16=-80(F=-60), 8-16=-20



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
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Date:

May 11, 2020

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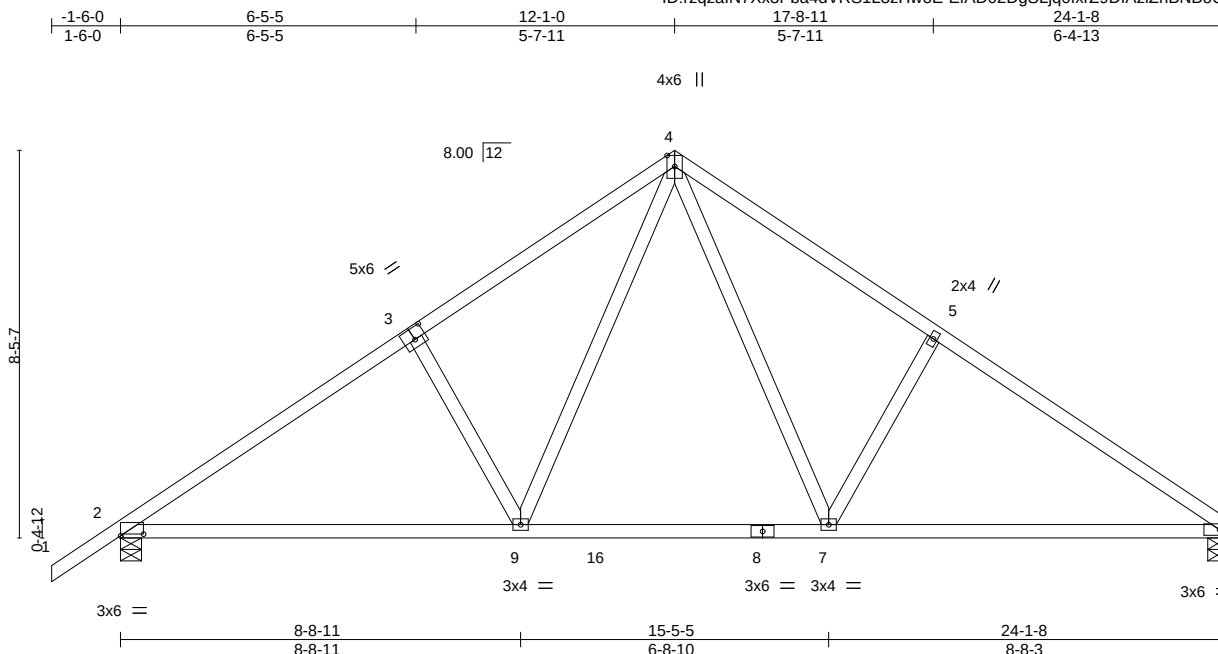


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Job 2340296	Truss T06	Truss Type Common	Qty 1	Ply 1	IC CONST. - STALVEY RES. T20177637
Job Reference (optional)					

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:28 2020 Page 1
ID: rzqzaIN7Xx3Pba4dVRS1L3zHwoE-EfAD02DgSLjq0fxrZ9DIAziZhBNBoUwonjVm_IzHemv



Scale = 1:50.2

Plate Offsets (X,Y)-- [2:0-6-0,0-0-7], [3:0-3-0,0-3-0]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.43	Vert(LL)	-0.14 9-15	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.65	Vert(CT)	-0.29 9-15	>999	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.44	Horz(CT)	0.03 6	n/a	n/a
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS				
				PLATES	GRIP		
				MT20	244/190		
				Weight: 121 lb	FT = 20%		

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-9-13 oc bracing.

REACTIONS.

(size) 6=0-5-0, 2=0-5-8
Max Horz 2=271(LC 9)
Max Uplift 6=320(LC 13), 2=373(LC 12)
Max Grav 6=890(LC 1), 2=976(LC 1)

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

TOP CHORD 2-3=-1249/557, 3-4=-1193/610, 4-5=-1186/615, 5-6=-1250/560
BOT CHORD 2-9=-425/1138, 7-9=-152/741, 6-7=-361/995
WEBS 4-7=-295/595, 5-7=-397/345, 4-9=-284/583, 3-9=-404/340

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=320, 2=373.



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Date:

May 11,2020

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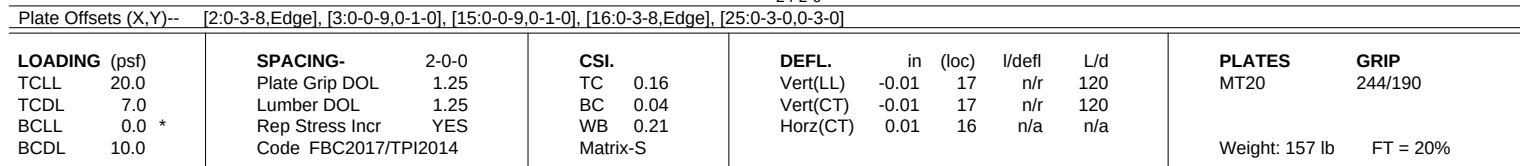
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ID:rzqzalN7Xx3Pba4dVRS1L3zHwoE-A1l_RkFw_yzYFz5DgaFmFOqYW_D3GRz5E1_t3ezHemt

1-6-0 12-1-0 24-2-0 25-8-0
1-6-0 12-1-0 12-1-0 1-6-0

4x4 = Scale = 1:53.4



REACTIONS. All bearings 24-2-0.
(lb) - Max Horz 2=271(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 28, 18 except 24=-112(LC 12), 25=-113(LC 12),
26=-113(LC 12), 27=-102(LC 12), 22=-108(LC 13), 21=-115(LC 13), 20=-112(LC 13), 19=-105(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 23, 24, 25, 26, 27, 28, 22, 21, 20, 19, 18

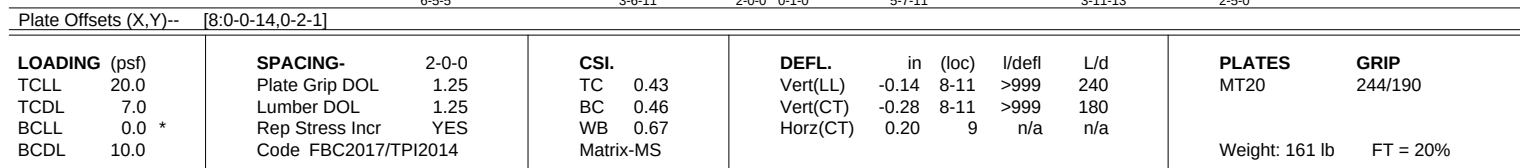
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=3.0psf; h=18ft; 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 requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 2'-0" o.c.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 28, 18 except (it=lb) 24=112, 25=113, 26=113, 27=102, 22=108, 21=115, 20=112, 19=105.



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ID:rzqaIN7X3Pba4dVRS1L3zHwoE-#EsMf3FYIG5Pt7gPEHm?ocN3?QsN?n5ETHjQb4zHems
1-6-0 6-5-5 12-1-0 17-8-11 21-8-8 24-1-8
1-6-0 6-5-5 5-7-11 5-7-11 3-11-13 2-5-0
5x6 = Scale = 1:56.8



REACTIONS. (size) 9=0-5-0, 2=0-5-8
 Max Horz 2=271(LC 9)
 Max Uplift 9=-307(LC 13), 2=-364(LC 12)
 Max Grav 9=912(LC 1), 2=992(LC 1)

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

TOP CHORD	2-4=-1321/532, 4-5=-1244/560, 5-6=-1057/521, 6-7=-1053/488, 7-8=-1591/641, 8-19=-557/250
BOT CHORD	2-16=-399/1088, 5-15=-218/502, 12-15=-256/980, 11-12=-470/1414, 8-11=-469/1414
WEBS	15-16=-389/1093, 7-12=-817/432, 6-12=-418/977, 5-12=-512/285

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=3.0psf; h=18ft; 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) 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) except (jt=lb) 9=307. 2=364.



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Date:

May 11, 2020



WARNING – Verify design parameters and READ NOTES on this and INCLUDED MITER CONNECTION PAGE MP1473 (rev. 10/03/2023) BEFORE USE.

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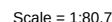


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8.240 s Mar. 9 2020 MiTek Industries, Inc. Mon May 11 07:06:33 2020 Page 1

Job Reference (optional)

ID:r9qzaIN7Xx3Pba4dVRS1L3zHwoE-bc 63lHpHTL66OpoLoTt1SMmC2HTijXw?CXqzzHema



TOP CHORD	Structural wood sheathing directly applied or 4-9-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 3-10-3 oc bracing. Except: 10-0-0 oc bracing: 22-24

Max Horz 2=-264(LC 25)
Max Uplift 2=-356(LC 27), 12=-510(LC 5), 17=-1054(LC 9)
Max Grav 2=933(LC 1), 12=515(LC 20), 17=1997(LC 1)

TOP CHORD	2-3=-1219/404, 3-4=-1093/438, 4-5=-837/392, 5-6=-888/402, 6-7=-1153/441, 7-8=-321/226, 8-9=-122/486, 9-10=-627/982, 10-11=-671/1006, 11-12=-1075/1144
BOT CHORD	2-25=-407/1037, 4-22=-212/472, 21-22=-264/918, 20-21=-251/878, 19-20=-359/969, 8-19=-259/871, 16-17=-1220/817, 9-16=-1098/747, 15-16=-655/257, 14-15=-1050/1028, 12-14=-1050/1028
WEBS	22-25=-398/1047, 4-21=-503/289, 5-21=-349/735, 6-21=-352/296, 7-19=-1035/349, 8-17=-1039/344, 9-15=-1022/1397, 11-15=-435/380

- 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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=356, 12=510, 17=1054.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 148 lb down and 132 lb up at 25-1-4, and 266 lb down and 245 lb up at 27-2-0 on top chord, and 82 lb down and 93 lb up at 25-1-4, and 351 lb down and 383 lb up at 27-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-7=-54, 7-10=-54, 10-13=-54, 24-26=-20, 23-24=-20, 19-22=-20, 17-18=-20, 16-29=-20



May 11, 2020

Continued on page 2



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	Truss	Truss Type	Qty	Ply	IC CONST. - STALVEY RES.	T20177640
2340296	T08	Roof Special Girder	1	1	Job Reference (optional)	

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 10=-170(B) 15=-351(B) 32=-108(B) 33=-66(B)

 **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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Job 2340296	Truss T09	Truss Type Roof Special	Qty 1	Ply 1	IC CONST. - STALVEY RES. T20177641
Builders FirstSource, Jacksonville, FL - 32244,					

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:35 2020 Page 1
ID: rzqzaIN7Xx3Pba4dVRS1L3zHwoE-X?5tURI3pVbqMkzBT7xySXgu?nMxdoqQJhekrzHemo

1-6-0	6-5-5	10-0-0	12-1-0	19-4-6	21-8-8	24-1-8	25-2-0	28-6-0	34-2-0	35-8-0
1-6-0	6-5-5	3-6-11	2-1-0	7-3-6	2-4-2	2-5-0	1-0-8	3-4-0	5-8-0	1-6-0

Scale = 1:80.7

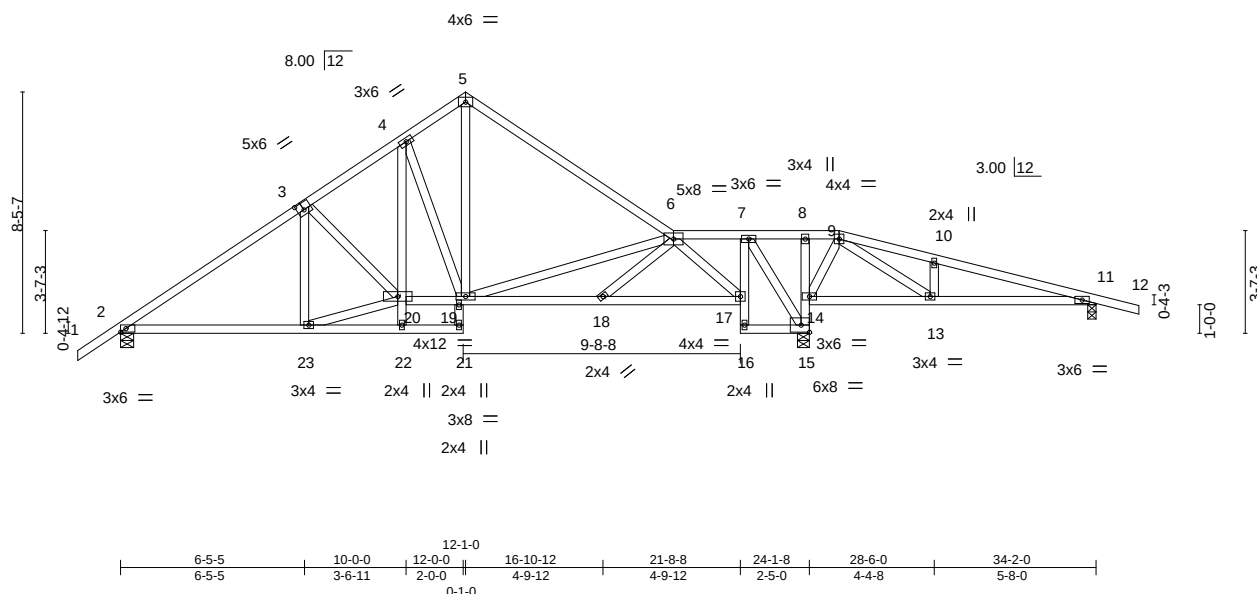


Plate Offsets (X,Y)-- [3:0-2-12,0-3-0]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.76	Vert(LL)	0.07 23-26	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.61	Vert(CT)	-0.14 21	>999	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.56	Horz(CT)	0.07 15	n/a	n/a
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS				
				Weight: 209 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-22: 2x4 SP No.3
WEBS 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 5-9-9 oc bracing. Except:
10-0-0 oc bracing: 20-22

REACTIONS.

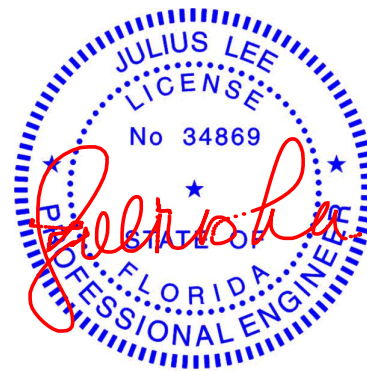
(size) 2=0-5-8, 11=0-3-8, 15=0-5-0
Max Horz 2=-266(LC 10)
Max Uplift 2=-352(LC 12), 11=-374(LC 9), 15=-531(LC 13)
Max Grav 2=935(LC 1), 11=344(LC 24), 15=1472(LC 1)

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

TOP CHORD 2-3=-1223/500, 3-4=-1128/516, 4-5=-916/466, 5-6=-948/424, 7-8=-92/412,
8-9=-157/547, 9-10=-319/734, 10-11=-307/665
BOT CHORD 2-23=-402/1026, 4-20=-209/503, 19-20=-255/903, 18-19=-331/1119, 17-18=-377/1007,
7-17=-368/892, 14-15=-671/575, 13-14=-366/118, 11-13=-585/281
WEBS 20-23=-393/1040, 4-19=-480/257, 5-19=-263/674, 6-19=-504/322, 6-18=0/314,
6-17=-1102/527, 7-15=-1015/418, 9-14=-418/396, 9-13=-851/688, 10-13=-278/257

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=352, 11=374, 15=531.



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

May 11, 2020

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

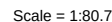
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6904 Parke East Blvd.
Tampa, FL 33610

T20177642

Job Reference (optional)



TOP CHORD	Structural wood sheathing directly applied or 4-6-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-6-12 oc bracing. Except: 10-0-0 oc bracing; 20-22

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

TOP CHORD 2-3=-1229/503, 3-4=-1129/520, 4-5=-928/470, 5-6=-943/432, 8-9=-27/316,
9-10=-140/484, 10-11=-336/672

BOT CHORD 2-23=-404/1031, 4-20=-216/486, 9-20=-258/909, 18-19=-329/1029, 17-18=-327/1035,
16-17=-811/357, 14-15=-633/611, 14-24=-361/254, 13-14=-593/309, 11-13=-593/309

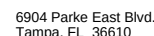
WEBS 20-23=-397/1039, 4-19=-472/271, 5-19=-283/718, 6-19=-396/327, 6-17=-1119/453,
8-16=-397/953, 8-15=-894/329, 10-14=-720/894

- 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=18ft; Cat. II; Exp C; Encl., GCpI=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch right 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=353. 11=370. 15=525.

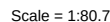


May 11, 2020

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.



8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:38 2020 Page 1
ID:rzqza1N7Xx3Pba4dVRS1L3zHwoE-xan?7TLx5Q_PDCim8FOea49G4Dm880LG4HwJLazHeml



TOP CHORD	Structural wood sheathing directly applied or 4-9-8 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-4-10 oc bracing. Except: 10-0-0 oc bracing: 20-22

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

TOP CHORD
2-3=1238/511, 3-4=1131/528, 4-5=928/483, 5-6=935/449, 6-7=990/503,
7-8=271/208, 8-9=26/329, 9-10=119/442, 10-11=377/697

BOT CHORD
2-23=407/1038, 4-20=214/496, 19-20=262/918, 18-19=313/1015, 17-18=79/350,
8-17=272/775, 14-15=540/558, 9-14=266/199, 13-14=617/349, 11-13=617/349

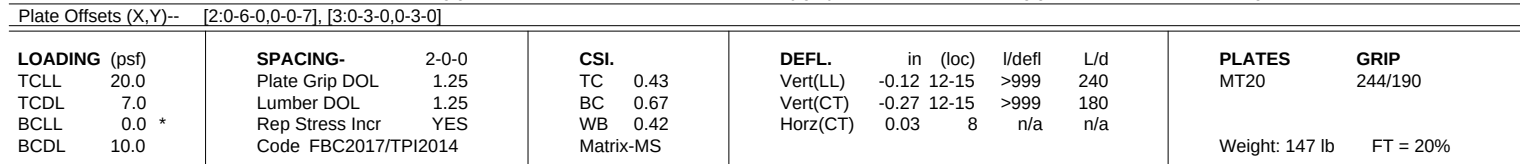
WEBS
20-23=398/1048, 4-19=488/276, 5-19=324/752, 10-19=376/309, 6-18=561/303,
7-18=365/927, 7-17=677/264, 8-15=1070/419, 10-14=727/898

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch right 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
2=355, 11=370, 15=516.



May 11, 2020

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:39 2020 Page 1
ID:rzqzaIN7Xx3Pba4dVRS1L3zHwoE-QmLNkpMasj6GgqLHyizvt7liiR0d8QtTyQJxfrtdzHemk
-1-6-0 6-5-5 12-1-0 17-1-6 19-2-0 24-1-8
1-6-0 6-5-5 5-7-11 5-0-6 2-0-10 4-11-8
4x6 II Scale = 1:51.4



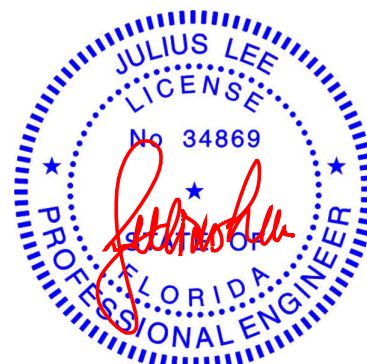
REACTIONS. (size) 2=0-5-8, 8=0-5-0
 Max Horz 2=308(LC 12)
 Max Uplift 2=-364(LC 12), 8=-330(LC 13)
 Max Grav 2=971(LC 1), 8=885(LC 1)

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

TOP CHORD	2-3=-1260/544, 3-4=-1124/596, 4-5=-1044/580, 5-6=-738/401, 6-7=-793/387, 7-8=-835/437
BOT CHORD	2-12=-508/1101, 10-12=-249/701, 9-10=-420/910
WEBS	3-12=-401/339, 4-12=-282/593, 4-10=-234/440, 5-10=-315/260, 5-9=-523/226, 7-9=-403/888

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=3.0psf; h=18ft; 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 grid 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) 2=364, 8=330.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 11, 2020



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6904 Parke East Blvd.
Tampa, FL 36610

Job 2340296	Truss T13	Truss Type Roof Special	Qty 1	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177645
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:40 2020 Page 1
ID: rzqzaIN7Xx3Pba4dVRS1L3zHwoE-uzvmX8MCd1E7SVs8GgQ6fVEaS0TBcuiZXbPPP3zHemj

-1-6-0 1-6-0	6-5-5 6-5-5	12-1-0 5-7-11	16-4-6 4-3-6	17-2-0 0-9-10	24-1-8 6-11-8
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4x6 ||

Scale = 1:55.1

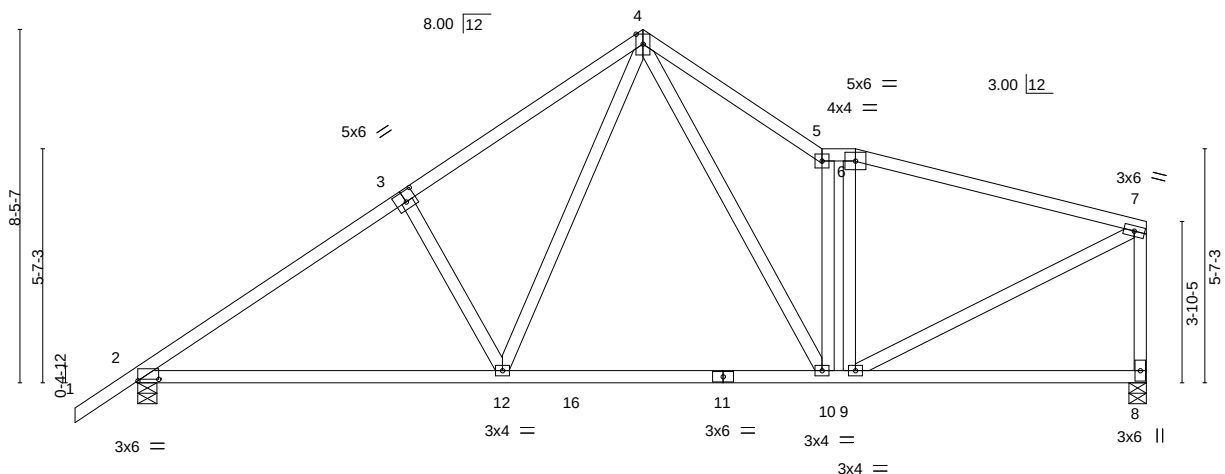


Plate Offsets (X,Y)-- [2:0-6-0,0-0-7], [3:0-3-0,0-3-0]

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 0.58	Vert(LL)	-0.18 10-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.70	Vert(CT)	-0.27 10-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.52	Horz(CT)	0.02 8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 144 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-7-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-13 oc bracing.

REACTIONS.

(size) 2=0-5-8, 8=0-5-0
Max Horz 2=308(LC 12)
Max Uplift 2=-364(LC 12), 8=-330(LC 13)
Max Grav 2=971(LC 1), 8=885(LC 1)

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

TOP CHORD 2-3=-1264/551, 3-4=-1119/603, 4-5=-1099/668, 5-6=-868/481, 6-7=-942/459, 7-8=-827/450
BOT CHORD 2-12=-509/1104, 10-12=-250/695, 9-10=-389/868
WEBS 3-12=-401/340, 4-12=-285/624, 4-10=-316/513, 5-10=-576/331, 7-9=-417/942

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=364, 8=330.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 11,2020

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

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



6904 Parke East Blvd.
Tampa, FL 33610

Job 2340296	Truss T14	Truss Type Roof Special	Qty 4	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177646
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:41 2020 Page 1
ID: rzqzalN7Xx3Pba4dVRS1L3zHwoE-M9S8IUqOLM_4fQKpNyLCjnnPQp7LJzmF8yyVzHemi

-1-6-0 1-6-0	6-5-5 6-5-5	12-1-0 5-7-11	15-10-10 3-9-10	20-2-0 4-3-6	24-1-8 3-11-8
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4x6 ||

Scale = 1:51.1

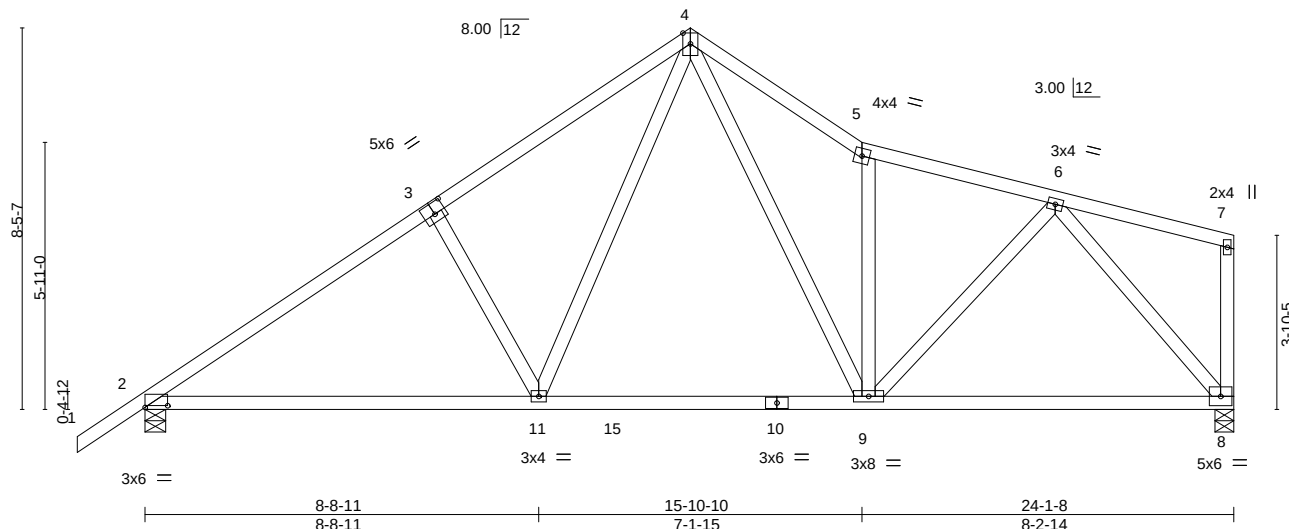


Plate Offsets (X, Y)-- [2:0-6-0,0-0-7], [3:0-3-0,0-3-0]

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 0.43	Vert(LL)	-0.14 9-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.65	Vert(CT)	-0.28 11-14	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.64	Horz(CT)	0.03 8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 143 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-9-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-13 oc bracing.

REACTIONS.

(size) 2=0-5-8, 8=0-5-0
Max Horz 2=308(LC 12)
Max Uplift 2=-364(LC 12), 8=-330(LC 13)
Max Grav 2=971(LC 1), 8=885(LC 1)

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

TOP CHORD 2-3=-1242/556, 3-4=-1108/609, 4-5=-1101/668, 5-6=-919/479
BOT CHORD 2-11=-509/1099, 9-11=-250/698, 8-9=-322/624
WEBS 3-11=-406/341, 4-11=-284/598, 4-9=-317/525, 5-9=-558/398, 6-9=-105/423, 6-8=-942/500

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=364, 8=330.



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6904 Parke East Blvd. Tampa FL 33610
Date:

May 11, 2020

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

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

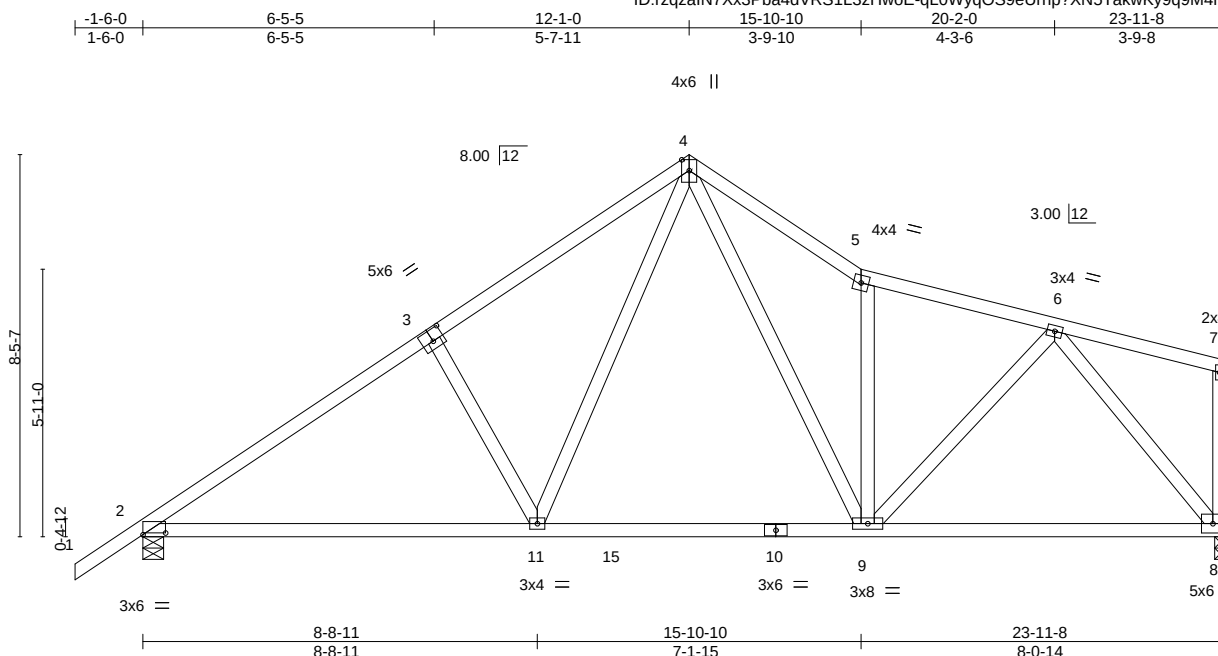


6904 Parke East Blvd.
Tampa, FL 33610

Job 2340296	Truss T15	Truss Type Roof Special	Qty 3	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177647
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:42 2020 Page 1
ID: rzqzaIN7Xx3Pba4dVRS1L3zHwoE-qL0WYqOS9eUrhP?XN5TakwKy9qM4njs?uuVUxzHemh



Scale = 1:51.0

Plate Offsets (X, Y)-- [2:0-6-0,0-0-7], [3:0-3-0,0-3-0]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.43	Vert(LL)	-0.14 9-11	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.65	Vert(CT)	-0.27 11-14	>999	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.61	Horz(CT)	0.03 8	n/a	n/a
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS				
				PLATES	MT20	GRIP	244/190
				Weight: 142 lb		FT = 20%	

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-9-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-15 oc bracing.

REACTIONS.

(size) 2=0-5-8, 8=0-3-0
Max Horz 2=309(LC 12)
Max Uplift 2=362(LC 12), 8=327(LC 13)
Max Grav 2=965(LC 1), 8=879(LC 1)

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

TOP CHORD 2-3=-1231/550, 3-4=-1098/603, 4-5=-1079/657, 5-6=-900/469
BOT CHORD 2-11=-507/1091, 9-11=-248/689, 8-9=-309/597
WEBS 3-11=-406/341, 4-11=-284/599, 4-9=-306/507, 5-9=-552/395, 6-9=-110/434, 6-8=-926/492

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=362, 8=327.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 11, 2020

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

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - STALVEY RES.	T20177648
2340296	T16	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:06:43 2020 Page 1

ID: rzqzalN7Xx3Pba4dVRS1L3zHwoE-IYauAAP4wyciJzajxo_pH8s7FERFpBN0DYd30OzHemg

-1-6-0	2-8-3	5-0-0	10-2-0	12-1-0	14-6-0	19-2-12	23-11-8
1-6-0	2-8-3	2-3-13	5-2-0	1-11-0	2-5-0	4-8-12	4-8-12

4x6 ||

Scale = 1:53.7

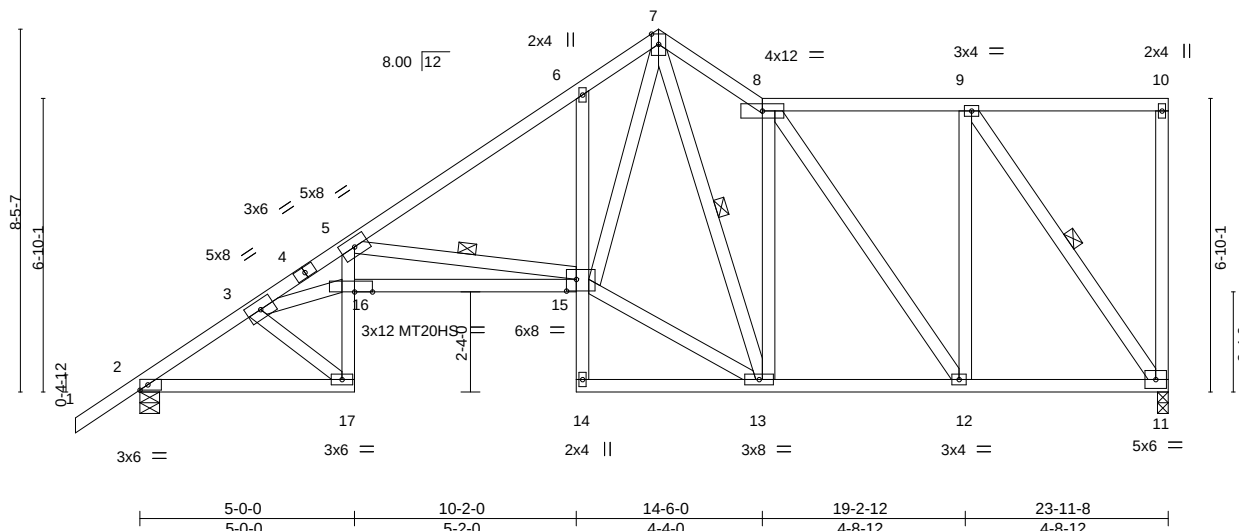


Plate Offsets (X,Y)--		[15:0-2-12,0-3-4], [16:0-5-0,0-0-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	0.31 15-16	>917	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.44 15-16	>653	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.31 11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 186 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 6-14: 2x4 SP No.3
 WEBS 2x4 SP No.3 *Except*
 3-16: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-9-1 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
 WEBS 1 Row at midpt 5-15, 7-13, 9-11

REACTIONS.

(size) 11=0-3-0, 2=0-5-8
 Max Horz 2=390(LC 12)
 Max Uplift 11=-357(LC 13), 2=-345(LC 12)
 Max Grav 11=879(LC 1), 2=965(LC 1)

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

TOP CHORD 2-3=-1355/525, 3-5=-3932/2084, 5-6=-1435/693, 6-7=-1424/828, 7-8=-953/526, 8-9=-521/266
 BOT CHORD 2-17=-672/1216, 16-17=-466/907, 5-16=-902/1763, 15-16=-2062/3687, 6-15=-311/279, 12-13=-399/769, 11-12=-266/521
 WEBS 3-17=-1385/772, 3-16=-1905/3372, 5-15=-2576/1445, 13-15=-449/867, 7-15=-747/1330, 8-13=-343/238, 8-12=-456/227, 9-12=-150/469, 9-11=-900/460

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- 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) 11=357, 2=345.



Julius Lee PE No.34869
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

May 11, 2020

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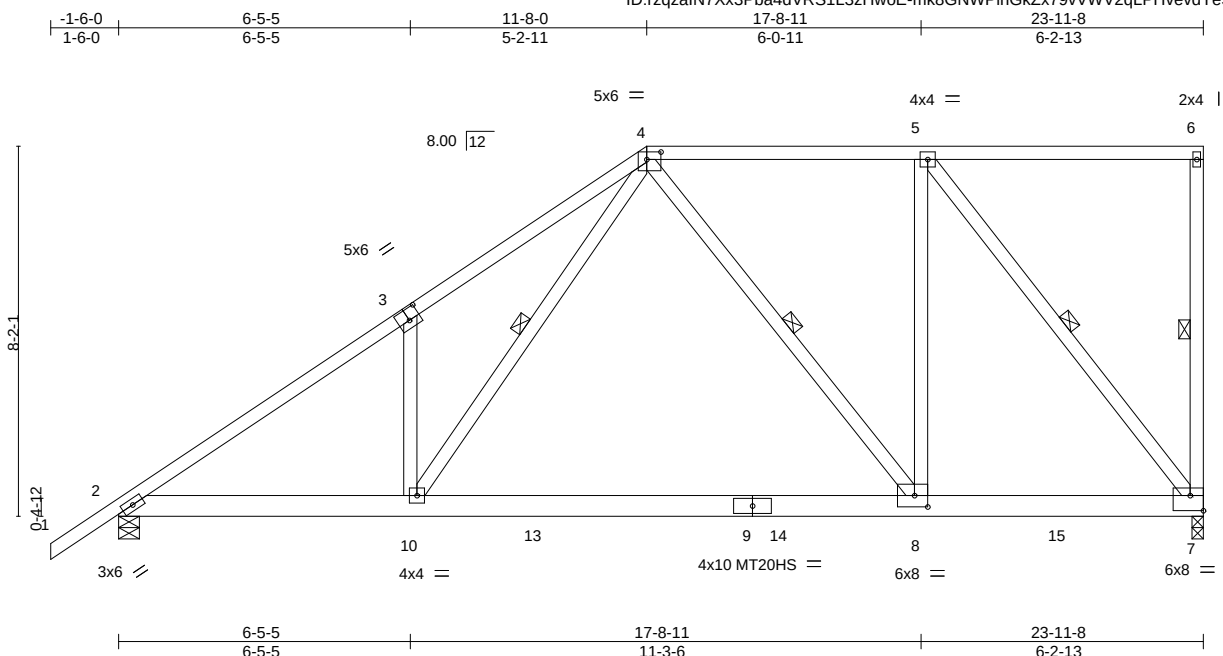
6904 Parke East Blvd.
 Tampa, FL 33610

Job 2340296	Truss T17	Truss Type Half Hip	Qty 1	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177649
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Builders FirstSource, Jacksonville, FL - 32244,

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ID: rzqzalN7Xx3Pba4dVRS1L3zHwoE-mk8GNWPihGkZx79vVWV2qLPHvevdYeS9SCNcYqzHemf



Scale = 1:50.9

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [4:0-3-12,0-2-0], [7:Edge,0-4-0], [8:0-3-8,0-3-0]									
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	0.48	Vert(LL)	-0.21 8-10 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.42 8-10 >676 180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.02 7 n/a n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS				Weight: 167 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-8-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-7, 4-10, 4-8, 5-7

REACTIONS.

(size) 7=0-3-0, 2=0-5-8
Max Horz 2=421(LC 12)
Max Uplift 7=541(LC 9), 2=487(LC 12)
Max Grav 7=1222(LC 1), 2=1307(LC 19)

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

TOP CHORD 2-3=-2091/804, 3-4=-2148/1011, 4-5=-896/451
BOT CHORD 2-10=-911/1752, 8-10=-564/989, 7-8=-451/896
WEBS 3-10=-409/370, 4-10=-637/1360, 4-8=-251/218, 5-8=-303/983, 5-7=-1449/726

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- 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) except (jt=lb) 7=541, 2=487.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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



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Date:

May 11,2020

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6904 Parke East Blvd.
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Job 2340296	Truss T18	Truss Type Half Hip	Qty 1	Ply 1	IC CONST. - STALVEY RES. T20177650
Builders FirstSource, Jacksonville, FL - 32244,					

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-1-6-0 1-6-0	6-5-5 6-5-5	13-8-0 7-2-11	17-8-11 4-0-11	23-11-8 6-2-13
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Scale = 1:55.7

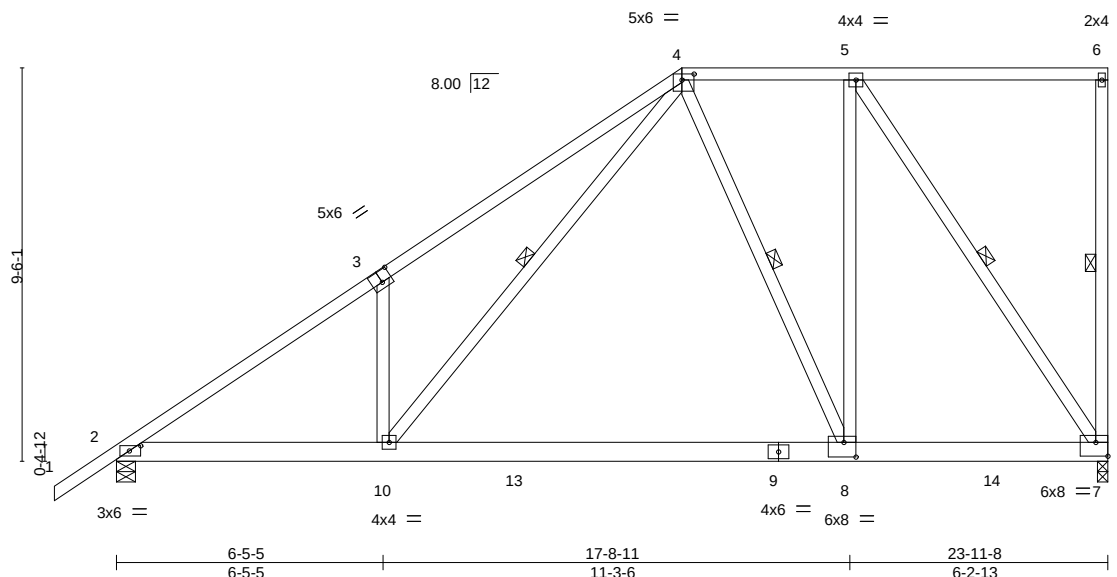


Plate Offsets (X,Y)--		[2:0-3-5,0-1-8], [3:0-3-0,0-3-4], [4:0-3-8,0-1-12], [7:Edge,0-4-0], [8:0-3-8,0-4-4]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL 20.0		Plate Grip DOL		1.25		TC 0.58		Vert(LL)		-0.23 8-10		>999		240		MT20		244/190	
TCDL 7.0		Lumber DOL		1.25		BC 0.41		Vert(CT)		-0.44 8-10		>654		180					
BCLL 0.0 *		Rep Stress Incr		NO		WB 0.85		Horz(CT)		0.02 7		n/a		n/a					
BCDL 10.0		Code FBC2017/TPI2014				Matrix-MS										Weight: 177 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
3-4: 2x4 SP M 31
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-8-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-7, 4-10, 4-8, 5-7

REACTIONS.

(size) 7=0-3-0, 2=0-5-8
Max Horz 2=486(LC 12)
Max Uplift 7=-532(LC 9), 2=-484(LC 12)
Max Grav 7=1244(LC 2), 2=1346(LC 19)

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

TOP CHORD 2-3=-2168/766, 3-4=-2269/1026, 4-5=-787/392
BOT CHORD 2-10=-952/1844, 8-10=-488/889, 7-8=-392/787
WEBS 3-10=-501/451, 4-10=-762/1522, 4-8=-311/275, 5-8=-386/1101, 5-7=-1416/701

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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) Provide adequate drainage to prevent water ponding.
- 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) 7=532, 2=484.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 11,2020

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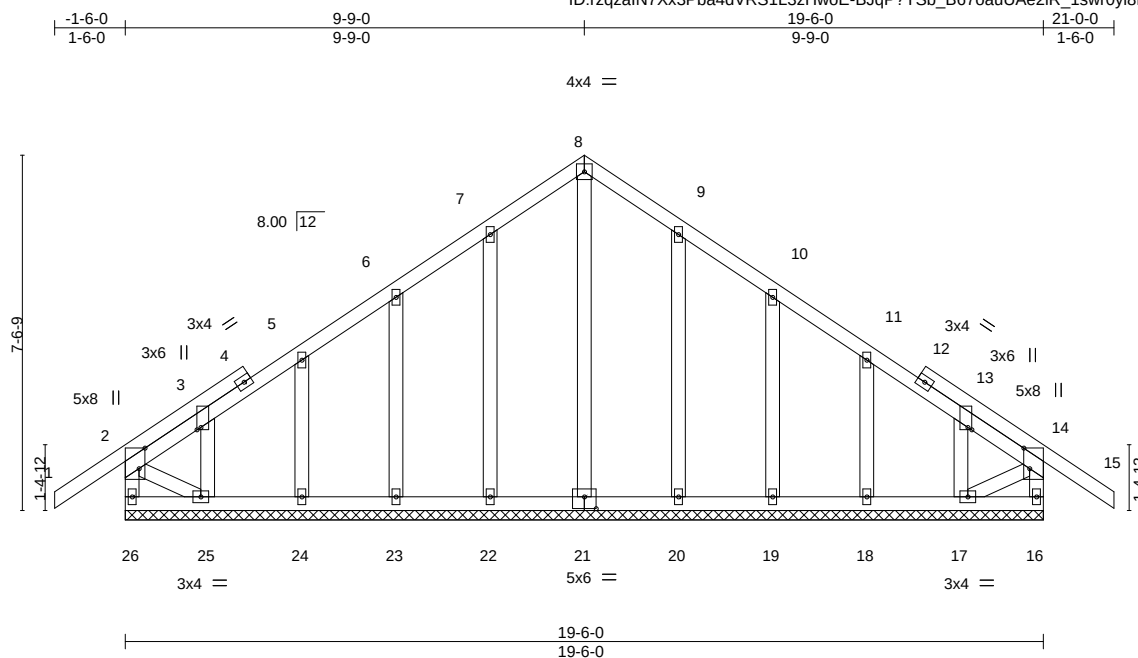
6904 Parke East Blvd.
Tampa, FL 33610

Job 2340296	Truss T19G	Truss Type Common Supported Gable	Qty 1	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177651
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ID: rzqzaIN7Xx3Pba4dVRS1L3zHwoE-BJqP?YSb_B670auUAe2IR_1swr0yl8Lb8AbG99zHemc



Scale = 1:48.9

Plate Offsets (X,Y)-- [2:0-5-4,Edge], [3:0-0-9,0-1-0], [13:0-0-9,0-1-0], [14:0-5-4,Edge], [21:0-3-0,0-3-0]									
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	0.18	Vert(LL)	-0.01 15 n/r 120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.01 15 n/r 120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00 16 n/a n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S				Weight: 139 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 25-26,16-17.

REACTIONS.

All bearings 19-6-0.
(lb) - Max Horz 26=-268(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 26=-128(LC 8), 22=-113(LC 12), 23=-115(LC 12), 24=-105(LC 12), 25=-185(LC 12), 20=-111(LC 13), 19=-115(LC 13), 18=-107(LC 13), 17=-168(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 26, 16, 21, 22, 23, 24, 25, 20, 19, 18, 17

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; 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 2x4 MT20 unless otherwise indicated.
- 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 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16 except (jt=lb) 26=128, 22=113, 23=115, 24=105, 25=185, 20=111, 19=115, 18=107, 17=168.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 11,2020

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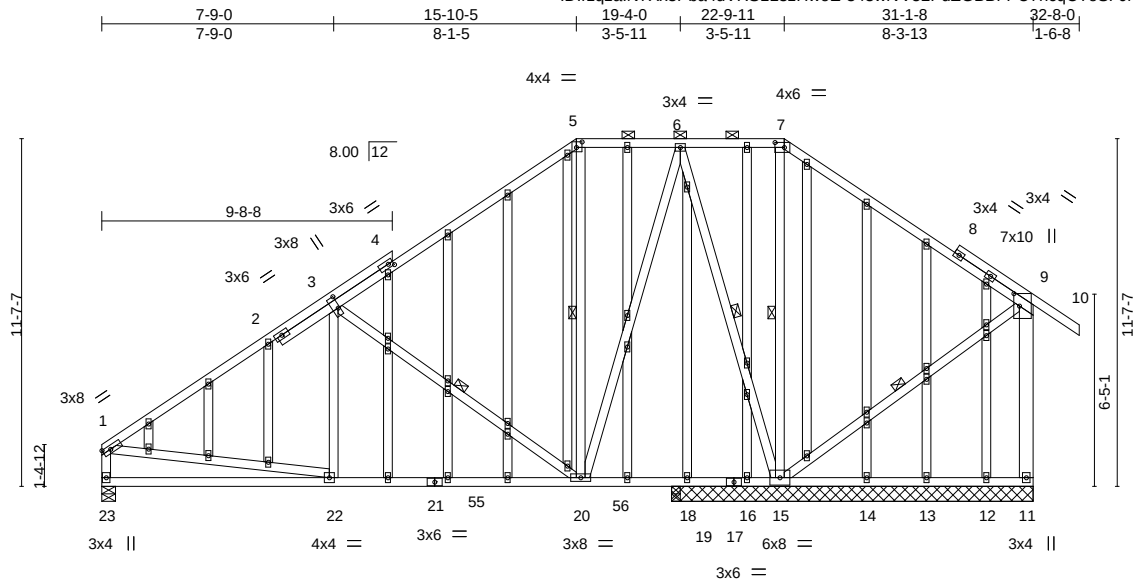
6904 Parke East Blvd.
Tampa, FL 33610

Job 2340296	Truss T20G	Truss Type GABLE II	Qty 1	Ply 1	IC CONST. - STALVEY RES. T20177653
Job Reference (optional)					

Builders FirstSource, Jacksonville, FL - 32244,

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		7-9-0		15-10-5		19-4-0		22-9-11		31-1-8	
		7-9-0		8-1-5		3-5-11		3-5-11		8-3-13	
Plate Offsets (X,Y)-- [3:0-5-0,0-0-12], [4:0-2-0,0-1-8], [5:0-2-4,0-2-4], [7:0-3-12,0-2-0], [9:0-5-0,0-2-4]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc)		l/defl		L/d	
TCLL	20.0	Plate Grip DOL 1.25		TC	0.50	Vert(LL) -0.09 20-22		>999		240	
TCDL	7.0	Lumber DOL 1.25		BC	0.60	Vert(CT) -0.19 20-22		>999		180	
BCLL	0.0 *	Rep Stress Incr YES		WB	1.00	Horz(CT) -0.02 11		n/a		n/a	
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 405 lb FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
9-11: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-2-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-20, 5-20, 6-15, 7-15, 9-15

REACTIONS.

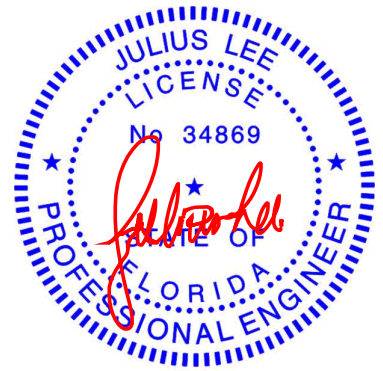
All bearings 12-1-0 except (jt=length) 23=0-5-8, 19=0-3-8.
(lb) - Max Horz 23=447(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 18, 13, 12 except 23=-229(LC 12), 11=-184(LC 23), 15=-692(LC 13), 19=-104(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11, 18, 16, 14, 13, 12, 19 except 23=719(LC 23), 15=1544(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-858/318, 3-5=-376/219, 5-6=-296/263, 6-7=-40/294, 7-9=-195/421, 1-23=-653/270, 9-11=-106/294
BOT CHORD 22-23=-422/472, 20-22=-430/851, 19-20=-343/348, 18-19=-343/348, 16-18=-343/348, 15-16=-343/348
WEBS 3-22=0/292, 3-20=-729/493, 6-15=-819/464, 7-15=-489/322, 1-22=-115/572, 9-15=-616/499, 6-20=-371/776

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 13, 12 except (jt=lb) 23=229, 11=184, 15=692, 19=104.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 11, 2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job 2340296	Truss T21	Truss Type Piggyback Base	Qty 3	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177654
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Builders FirstSource, Jacksonville, FL - 32244,

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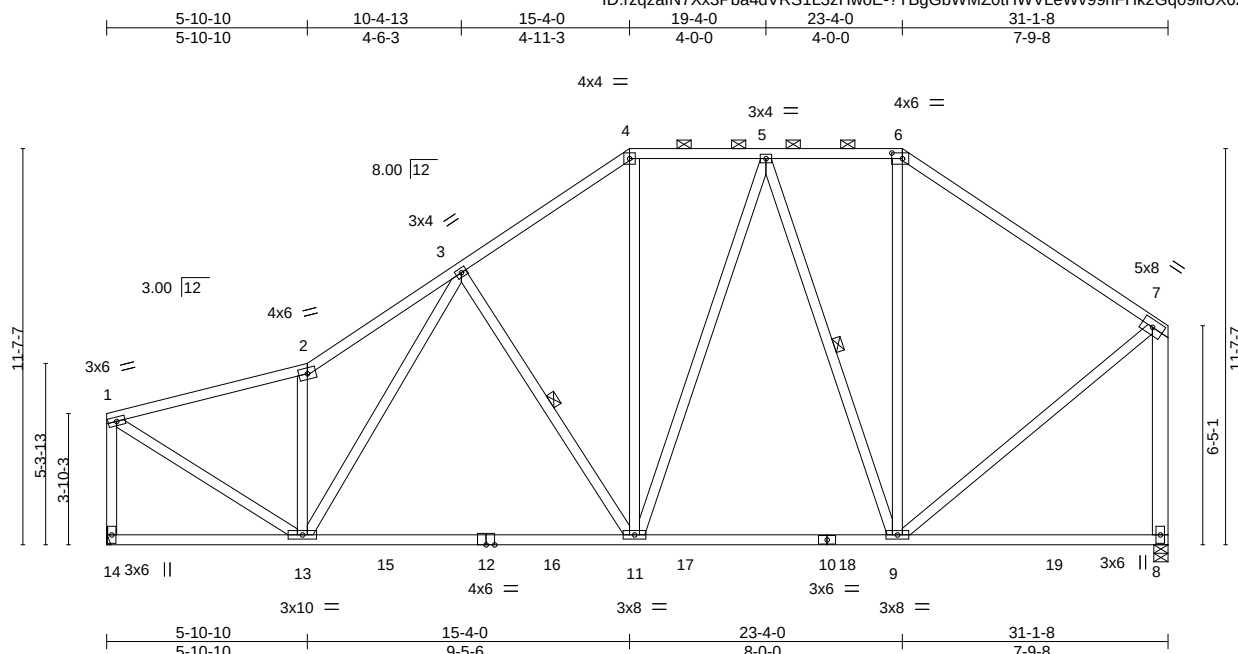


Plate Offsets (X,Y)-- [6:0-3-12,0-2-0]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.78	Vert(LL)	-0.29 11-13	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.97	Vert(CT)	-0.50 11-13	>731	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.59	Horz(CT)	0.03 8	n/a	n/a
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS				
				PLATES	GRIP		
				MT20	244/190		
				Weight: 243 lb		FT = 20%	

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 3-11, 5-9

REACTIONS.

(size) 14=Mechanical, 8=0-5-0
Max Horz 14=411(LC 11)
Max Uplift 14=-408(LC 12), 8=-335(LC 13)
Max Grav 14=1139(LC 2), 8=1212(LC 2)

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

TOP CHORD 1-2=-1195/533, 2-3=-1427/761, 3-4=-1079/642, 4-5=-858/594, 5-6=-706/518,
6-7=-850/504, 1-14=-1123/547, 7-8=-1071/561
BOT CHORD 13-14=-410/249, 11-13=-622/1073, 9-11=-414/764
WEBS 2-13=-722/492, 3-13=-185/282, 3-11=-435/360, 4-11=-181/378, 5-9=-469/291,
1-13=-538/1322, 7-9=-318/764, 5-11=-144/370

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 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) 14=408, 8=335.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

May 11,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - STALVEY RES.	T20177655
2340296	T22	Piggyback Base	6	1		

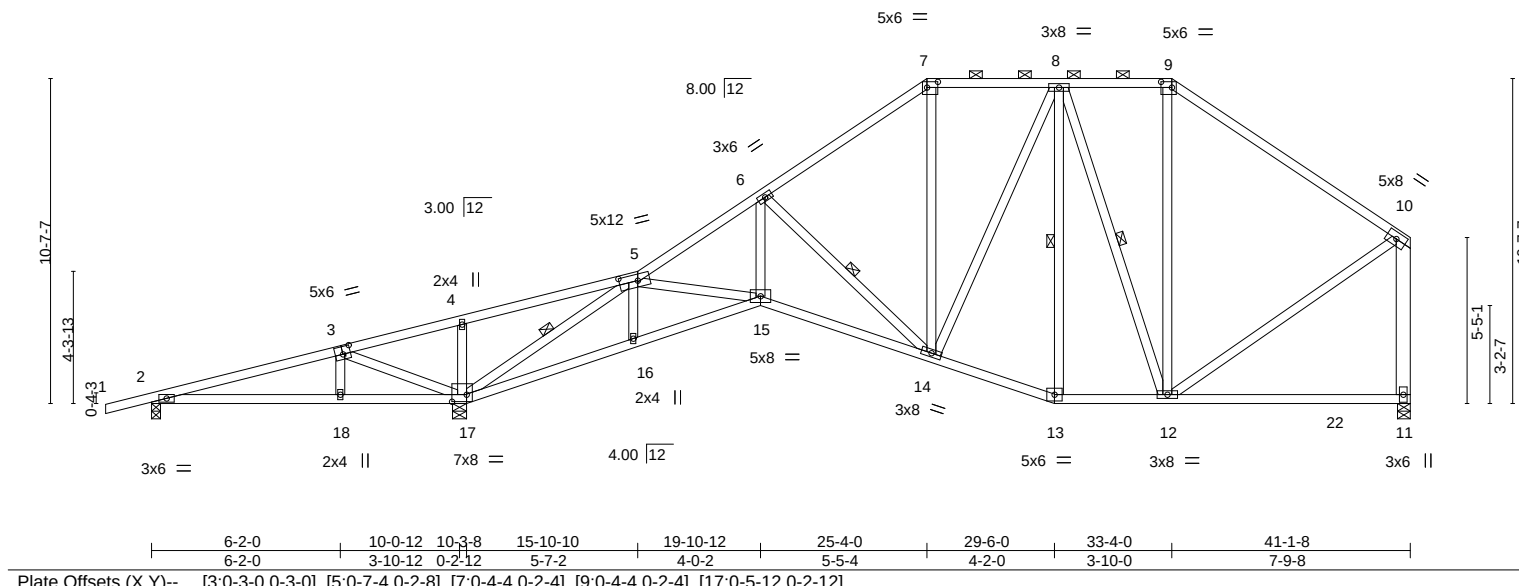
Builders FirstSource, Jacksonville, FL - 32244,

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ID:rzqzalN7Xx3Pba4dVRS1L3zHwoE-Uf12TxX_KK?87fwq4chOESpw4f15u9PdImo8vFzHemV

1-6-0	6-2-0	10-3-8	15-10-10	19-10-12	25-4-0	29-6-0	33-4-0	41-1-8
1-6-0	6-2-0	4-1-8	5-7-2	4-0-2	5-5-4	4-2-0	3-10-0	7-9-8

Scale = 1:75.3



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.76	Vert(LL)	0.13 15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.47	Vert(CT)	-0.24 14-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.82	Horz(CT)	0.13 11	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 276 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except*
 10-11: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-9.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-17, 6-14, 8-13, 8-12

REACTIONS.

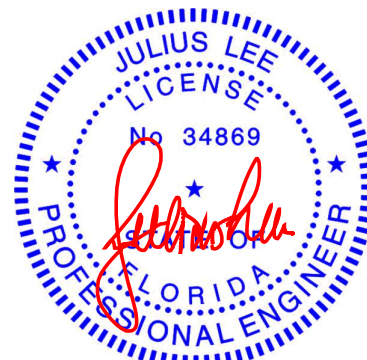
(size) 2=0-3-8, 17=0-5-8, 11=0-5-0
 Max Horz 2=431(LC 11)
 Max Uplift 2=-351(LC 8), 17=-821(LC 12), 11=-300(LC 13)
 Max Grav 2=92(LC 23), 17=2027(LC 1), 11=1001(LC 1)

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

TOP CHORD 2-3=-392/1037, 3-4=-1058/1510, 4-5=-1003/1532, 5-6=-1724/748, 6-7=-988/549,
 7-8=-803/525, 8-9=-660/474, 9-10=-783/451, 10-11=-928/462
 BOT CHORD 2-18=-869/181, 17-18=-870/181, 16-17=-427/1003, 15-16=-435/993, 14-15=-774/1494,
 13-14=-327/693, 12-13=-310/643
 WEBS 3-17=-703/840, 4-17=-287/251, 5-17=-2913/1445, 5-15=-329/505, 6-15=-291/771,
 6-14=-989/517, 7-14=-108/298, 8-14=-129/347, 8-12=-348/222, 10-12=-225/619

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- The Fabrication Tolerance at joint 17 = 0%
- 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) except (jt=lb) 2=351, 17=821, 11=300.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - STALVEY RES.	T20177656
2340296	T22D	Piggyback Base	2	1		

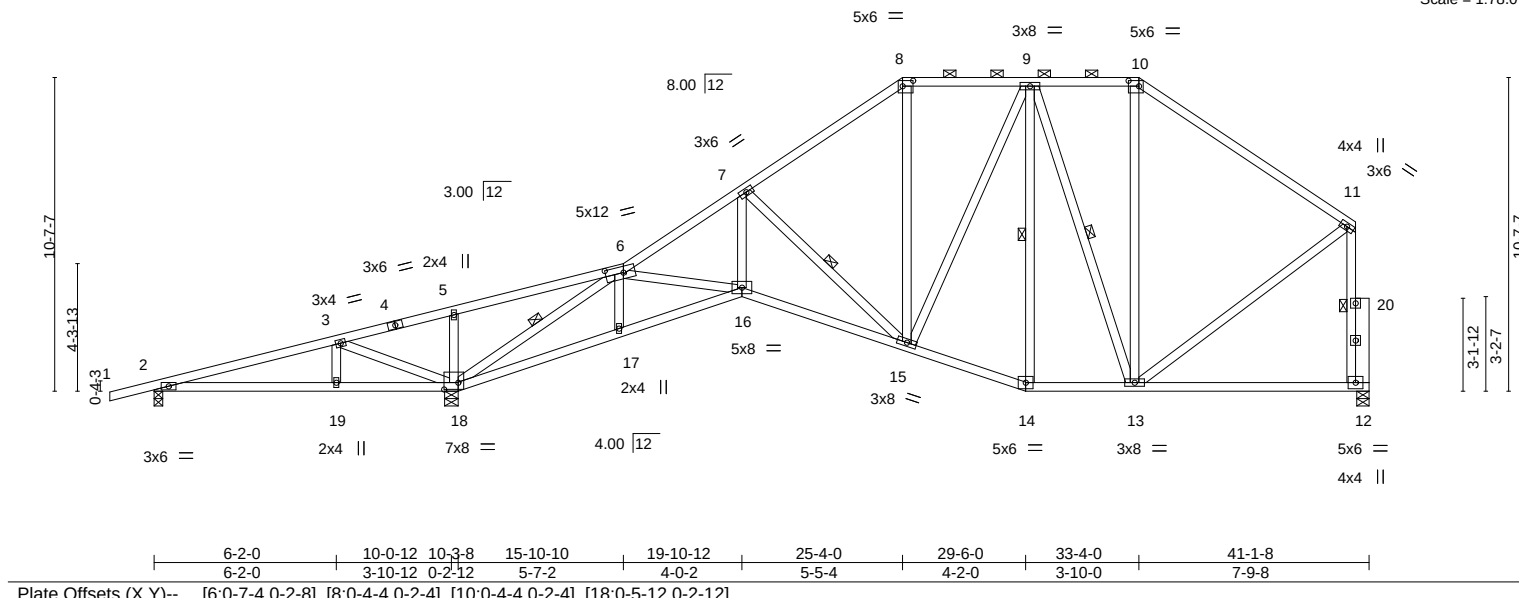
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ID:rzqzaIN7Xx3Pba4dVRS1L3zHwoE-Q2spudZEsxFsNz4DC1jsJivFST_ZM3uwD4HF_7zHemT

1-6-0	6-2-0	10-3-8	15-10-10	19-10-12	25-4-0	29-6-0	33-4-0	41-1-8
1-6-0	6-2-0	4-1-8	5-7-2	4-0-2	5-5-4	4-2-0	3-10-0	7-9-8

Scale = 1:78.0



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 0.83	Vert(LL)	0.13	16	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.47	Vert(CT)	-0.24	15-16	>999	180	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.82	Horz(CT)	0.13	12	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 278 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except*
 12-20: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-6 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 8-10.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 6-18, 7-15, 9-14, 9-13, 11-12

REACTIONS.

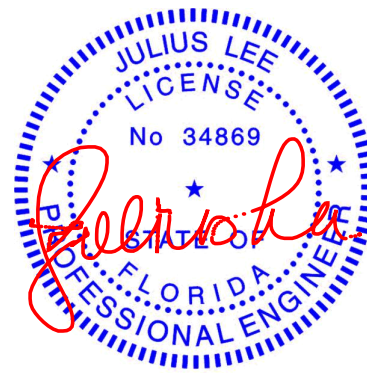
(size) 2=0-3-8, 18=0-5-8, 12=0-5-0
 Max Horz 2=435(LC 11)
 Max Uplift 2=-350(LC 8), 18=-822(LC 12), 12=-281(LC 13)
 Max Grav 2=91(LC 23), 18=2028(LC 1), 12=981(LC 1)

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

TOP CHORD 2-3=-395/1044, 3-5=-1067/1513, 5-6=-1011/1534, 6-7=-1722/751, 7-8=-988/548,
 8-9=-801/524, 9-10=-658/472, 10-11=-773/453, 11-12=-914/453
 BOT CHORD 2-19=-866/182, 18-19=-866/182, 17-18=-441/1016, 16-17=-449/1006, 15-16=-794/1512,
 14-15=-338/692, 13-14=-320/643
 WEBS 3-18=-709/849, 5-18=-289/253, 6-18=-2912/1452, 6-16=-334/506, 7-16=-301/779,
 7-15=-997/525, 8-15=-107/298, 9-15=-131/347, 9-13=-349/221, 11-13=-218/574

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- The Fabrication Tolerance at joint 18 = 0%
- 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) 2=350, 18=822, 12=281.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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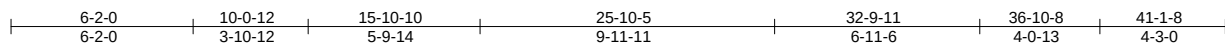
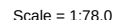
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T20177659

BRACING-	
TOP CHORD	Structural wood sheathing directly applied or 5-1-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 5-18, 8-16

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2'-0" oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Refer to girder(s) for truss to truss connections.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 15 except (jt=lb) 1=237, 21=731, 13=443.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



May 11, 2020

Job	Truss	Truss Type	Qty	Ply	IC CONST. - STALVEY RES.	T20177660
2340296	T25	Roof Special	4	1		

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ID: rzqzalN7Xx3Pba4dVRS1L3zHwoE-jOoSM0edD57sj16Z6?LV5MhSIIMXVBPYqgT6jDzHemM

6-2-0	10-0-12	15-10-10	22-11-0	29-6-0	33-0-0	37-4-0	38-10-0
6-2-0	3-10-12	5-9-14	7-0-6	6-7-0	3-6-0	4-4-0	1-6-0

Scale = 1:69.0

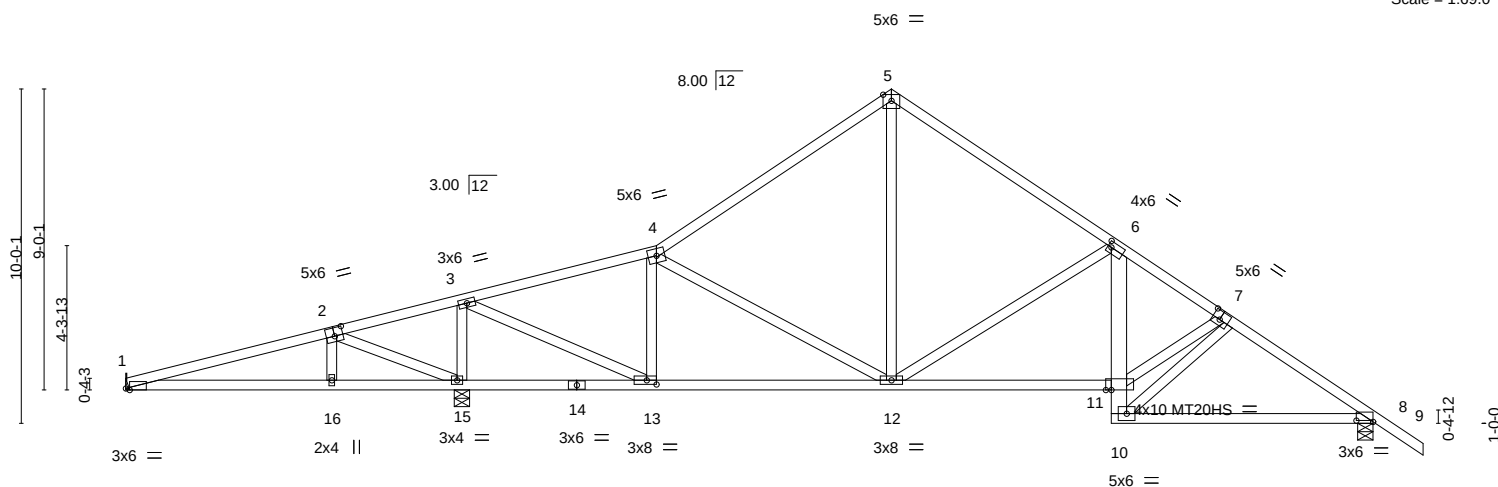


Plate Offsets (X, Y)--	[1:0-1-6,Edge], [2:0-3-0,0-3-0], [6:0-1-4,0-2-0], [7:0-2-12,0-3-0], [8:0-6-0,0-0-8], [11:0-2-0,0-0-0], [13:0-3-8,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.73	Vert(LL)	-0.09 10-22	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	-0.20 10-22	>999	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.90	Horz(CT)	0.06 8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 205 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 6-10: 2x6 SP No.2
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(size) 1=Mechanical, 8=0-5-8, 15=0-5-8
 Max Horz 1=311(LC 11)
 Max Uplift 1=-148(LC 8), 8=-424(LC 13), 15=-653(LC 12)
 Max Grav 1=216(LC 23), 8=1022(LC 1), 15=1640(LC 1)

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

TOP CHORD 1-2=-112/260, 2-3=-298/722, 3-4=-862/452, 4-5=-940/492, 5-6=-947/505,
 6-7=-1413/651, 7-8=-1392/626
 BOT CHORD 1-16=-251/206, 15-16=-254/205, 13-15=-684/412, 12-13=-258/813, 11-12=-381/1249,
 10-11=-238/812, 6-11=-98/395, 8-10=-395/1110
 WEBS 2-15=-689/398, 3-15=-1291/654, 3-13=-661/1614, 4-13=-541/316, 5-12=-281/655,
 6-12=-757/448, 7-11=-214/924, 7-10=-1041/359

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
- All plates are MT20 plates unless otherwise indicated.
- 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.
- 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=148, 8=424, 15=653.



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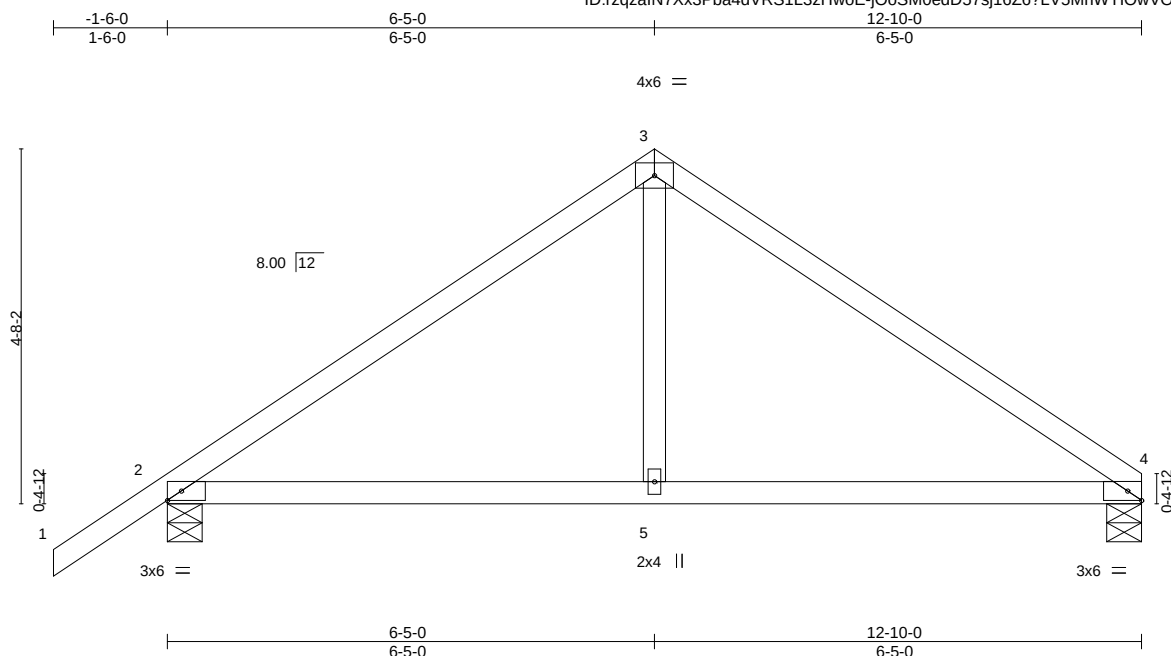
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-1-6-0 6-5-0 12-10-0 6-5-0

1-6-0 6-5-0 6-5-0

4x6 = Scale = 1:30.4



LUMBER-		BRACING-
TOP CHORD	2x4 SP No.2	TOP CHORD
BOT CHORD	2x4 SP No.2	BOT CHORD
WEBS	2x4 SP No.3	Structural wood sheathing directly applied or 6'-0" oc purlins. Rigid ceiling directly applied or 10'-0" oc bracing.

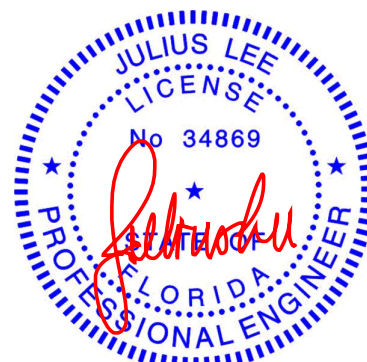
REACTIONS. (size) 4=0-5-8, 2=0-5-8
Max Horz 2=154(LC 9)
Max Uplift 4=-169(LC 13), 2=-225(LC 12)
Max Grav 4=470(LC 1), 2=561(LC 1)

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

TOP CHORD	2-3=-573/257, 3-4=-571/255
BOT CHORD	2-5=-100/403, 4-5=-100/403
WEBS	3-5=-30/298

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCdL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCp=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) except (jt=lb) 4=169, 2=225.



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Tampa, FL 36610

Job 2340296	Truss T26G	Truss Type Common Supported Gable	Qty 1	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177662
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ID:rzqzaIN7Xx3Pba4dVRS1L3zHwoE-BaLqaMfF_PfjKBhlgskdZEmshq5Es652KdGgGzHemL

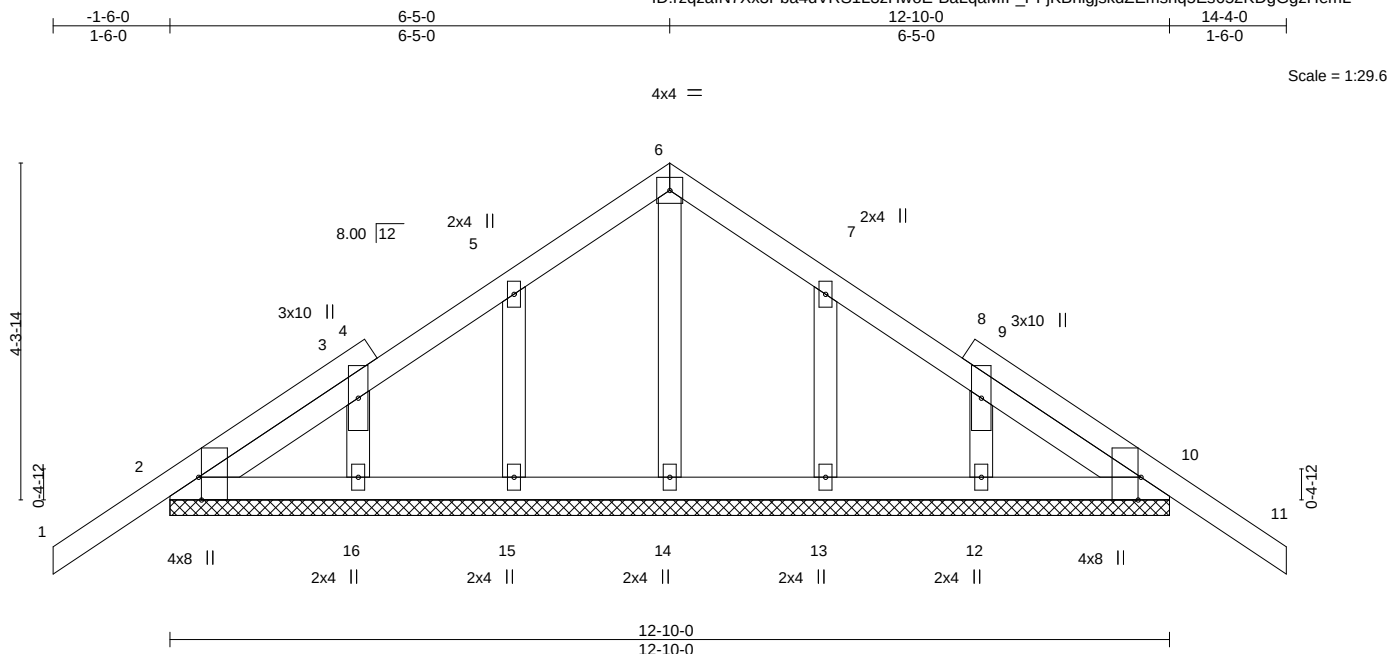


Plate Offsets (X,Y)--		[2:0-3-8,Edge], [10:0-3-8,Edge]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	20.0	Plate Grip DOL 1.25		TC	0.16	Vert(LL)	-0.01	11	n/r	120	MT20
TCDL	7.0	Lumber DOL 1.25		BC	0.04	Vert(CT)	-0.01	11	n/r	120	244/190
BCLL	0.0 *	Rep Stress Incr YES		WB	0.04	Horz(CT)	0.00	10	n/a	n/a	
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							
									Weight: 72 lb FT = 20%		

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 12-10-0.
(lb) - Max Horz 2=-153(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 16 except 15=-115(LC 12), 13=-116(LC 13), 12=-100(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES-

- 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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 16 except (jt=lb) 15=115, 13=116, 12=100.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 11,2020

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

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



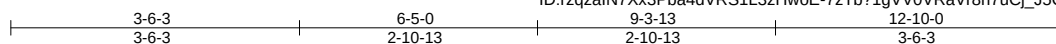
6904 Parke East Blvd.
Tampa, FL 36610

Job 2340296	Truss T27	Truss Type Common Girder	Qty 1	Ply 2	IC CONST. - STALVEY RES. Job Reference (optional)	T20177663
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Builders FirstSource, Jacksonville, FL - 32244,

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ID: rzqzalN7Xx3Pba4dVRS1L3zHwoE-7zTb?1gVV0VRaVr8n7uCj_J5CVRpiajOWdinKYzHemJ



4x6 ||

Scale = 1:28.1

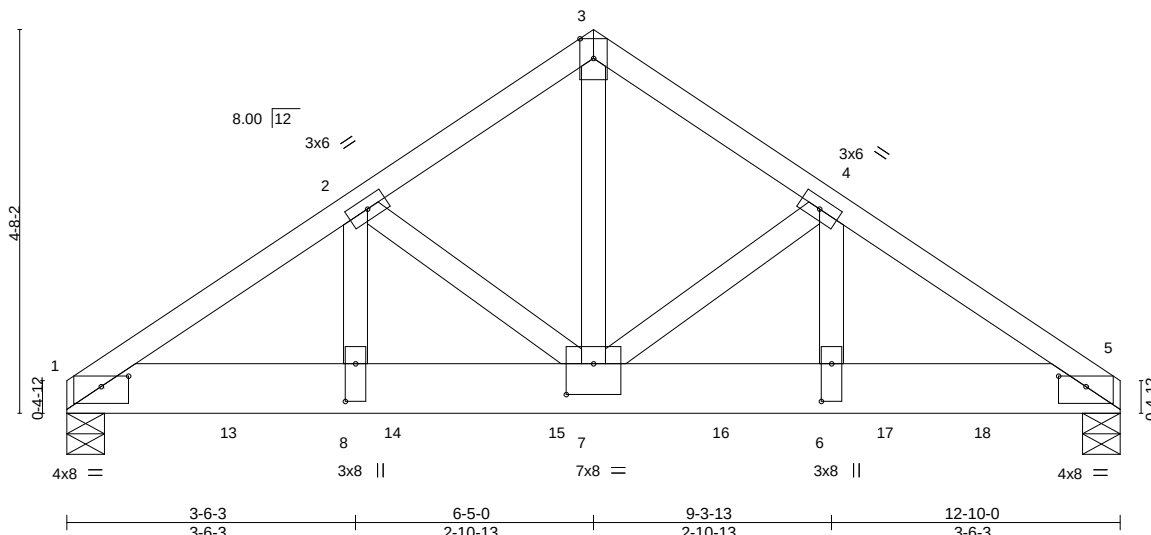


Plate Offsets (X,Y)--	[1:0-4-0,0-1-9], [5:0-4-0,0-1-9], [6:0-5-8,0-1-8], [7:0-4-0,0-4-8], [8:0-5-8,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	-0.05	7	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.28	Vert(CT)	-0.09	7	>999	180	
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.80	Horz(CT)	0.02	5	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 167 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 1=0-5-8, 5=0-5-8
Max Horz 1=-133(LC 6)
Max Uplift 1=-1303(LC 8), 5=-1506(LC 9)
Max Grav 1=3555(LC 1), 5=4092(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5438/1993, 2-3=-3983/1501, 3-4=-3984/1503, 4-5=-5794/2128
BOT CHORD 1-8=-1677/4501, 7-8=-1677/4501, 6-7=-1715/4804, 5-6=-1715/4804
WEBS 3-7=-1556/4191, 4-7=-1921/807, 4-6=-732/2040, 2-7=-1537/659, 2-8=-570/1616

NOTES-

- 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 0-7-0 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=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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 (it=lb) 1=1303, 5=1506.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1115 lb down and 423 lb up at 2-0-12, 1115 lb down and 423 lb up at 4-0-12, 1115 lb down and 423 lb up at 6-0-12, 1119 lb down and 428 lb up at 8-0-12, and 1119 lb down and 428 lb up at 10-0-12, and 1119 lb down and 428 lb up at 11-3-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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, 1-5=-20



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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May 11, 2020

Continued on page 2

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

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



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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - STALVEY RES.	T20177663
2340296	T27	Common Girder	1	2	Job Reference (optional)	

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 13=-1115(B) 14=-1115(B) 15=-1115(B) 16=-1118(B) 17=-1118(B) 18=-1118(B)

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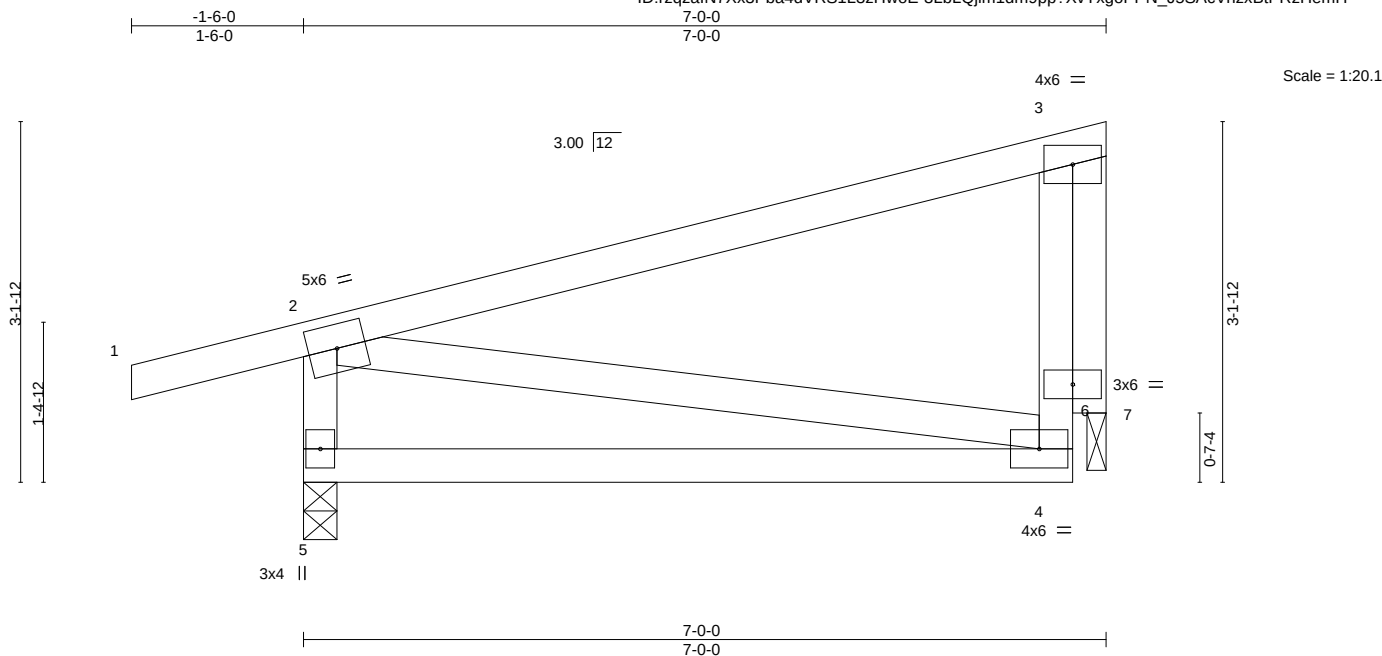
Job	Truss	Truss Type	Qty	Ply	IC CONST. - STALVEY RES.	T20177665
2340296	T29	Monopitch	16	1	Job Reference (optional)	

Builders FirstSource,

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:07:08 2020 Page 1

ID:rzqzalN7Xx3Pba4dVRS1L3zHwoE-3LbLQjim1dm9pp?XvYxgoPPN_J5SAcVhzxBtPRzHemH



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)	0.12 4-5	>656	240	MT20	244/190
BCLL 7.0	Lumber DOL	1.25	BC 0.40	Vert(CT)	-0.11 4-5	>736	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.27	Horz(CT)	-0.01 7	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 41 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-11-13 oc bracing.

REACTIONS.

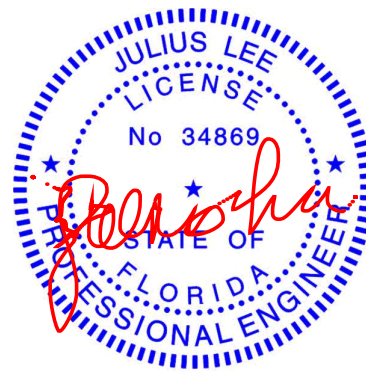
(size) 5=0-3-8, 7=0-2-0
 Max Horz 5=90(LC 9)
 Max Uplift 5=-274(LC 8), 7=-187(LC 8)
 Max Grav 5=350(LC 1), 7=214(LC 1)

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

TOP CHORD 2-5=-286/324
 BOT CHORD 4-5=-400/173
 WEBS 2-4=-122/269, 3-7=-220/402

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical 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
- 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.
- Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 5=274, 7=187.



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 Date:

May 11,2020

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



6904 Parke East Blvd.
 Tampa, FL 33610

Job 2340296	Truss T29G	Truss Type GABLE	Qty 2	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177666
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Builders FirstSource, Jacksonville, FL - 32244,

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ID:rzqzalN7Xx3Pba4dVRS1L3zHwoE-0kj5qPk0ZF0s268v0zz8tqUj16nueXO_RFg_TKzHemF

-1-6-0
1-6-0
7-0-0
7-0-0

Scale = 1:18.0

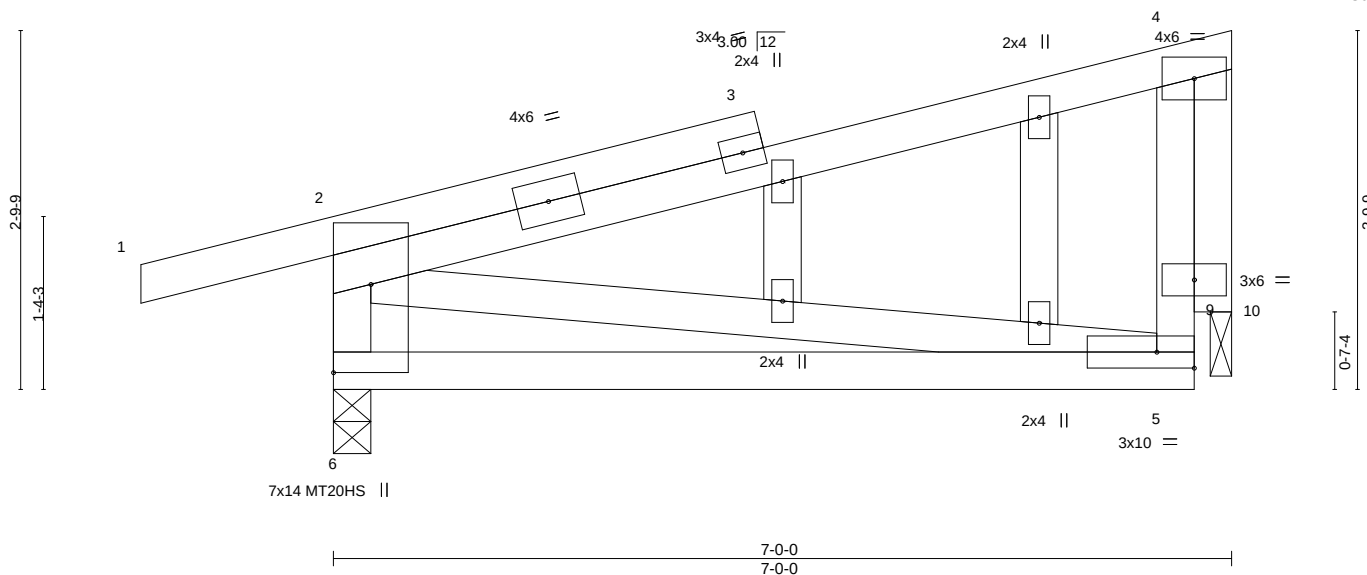


Plate Offsets (X,Y)-- [6:0-0-0,0-1-12], [6:Edge,0-3-8]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc)		I/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.12 5-6	>657	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.11 5-6	>746	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	-0.00 10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 48 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-7-12 oc bracing.

REACTIONS.

(size) 6=0-3-8, 10=0-2-0
Max Horz 6=76(LC 9)
Max Uplift 6=-280(LC 8), 10=-181(LC 8)
Max Grav 6=350(LC 1), 10=214(LC 1)

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

TOP CHORD 2-6=-285/332
BOT CHORD 5-6=-437/191
WEBS 2-5=-135/292, 4-10=-221/394

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical 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
- 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 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=280, 10=181.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 11,2020

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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.



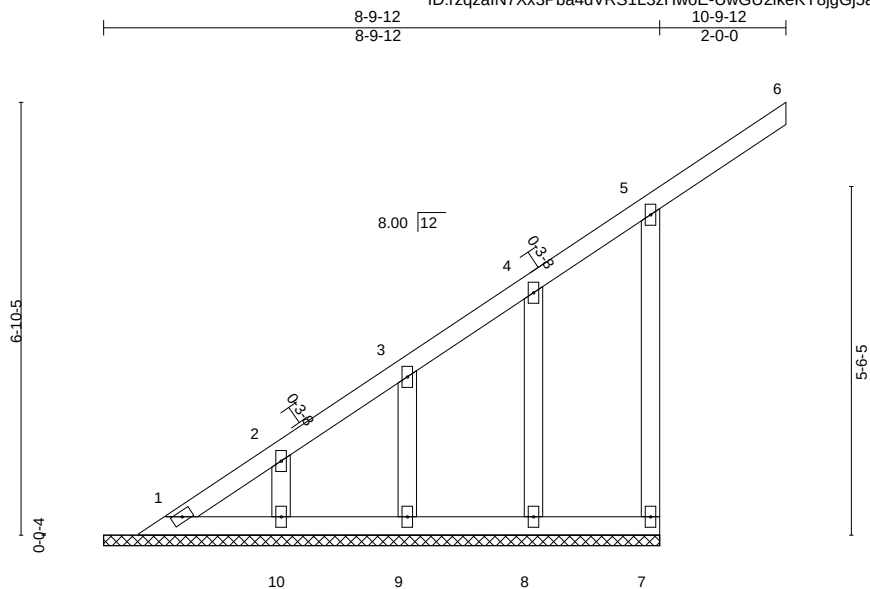
6904 Parke East Blvd.
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Job 2340296	Truss V01	Truss Type GABLE	Qty 2	Ply 1	IC CONST. - STALVEY RES. T20177667
Job Reference (optional)					

Builders FirstSource, Jacksonville, FL - 32244,

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ID: rzqzalN7Xx3Pba4dVRS1L3zHwoE-UwGU2IkeKY8jGj5ahUNQ21wdWDtN1U7fvPY?mzHemE



Scale = 1:36.5

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 0.38	Vert(LL)	0.03	6	n/r	120	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	0.01	6	n/r	120	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.00	7	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						
									Weight: 47 lb FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 8-9-12.
(lb) - Max Horz 1=308(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8 except 7=-219(LC 12), 9=-124(LC 12), 10=-116(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 8, 9, 10 except 7=250(LC 19)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-424/297, 2-3=-345/231, 5-7=-271/394

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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) All plates are 2x4 MT20 unless otherwise indicated.
- 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) 1, 8 except (jt=lb) 7=219, 9=124, 10=116.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 11,2020

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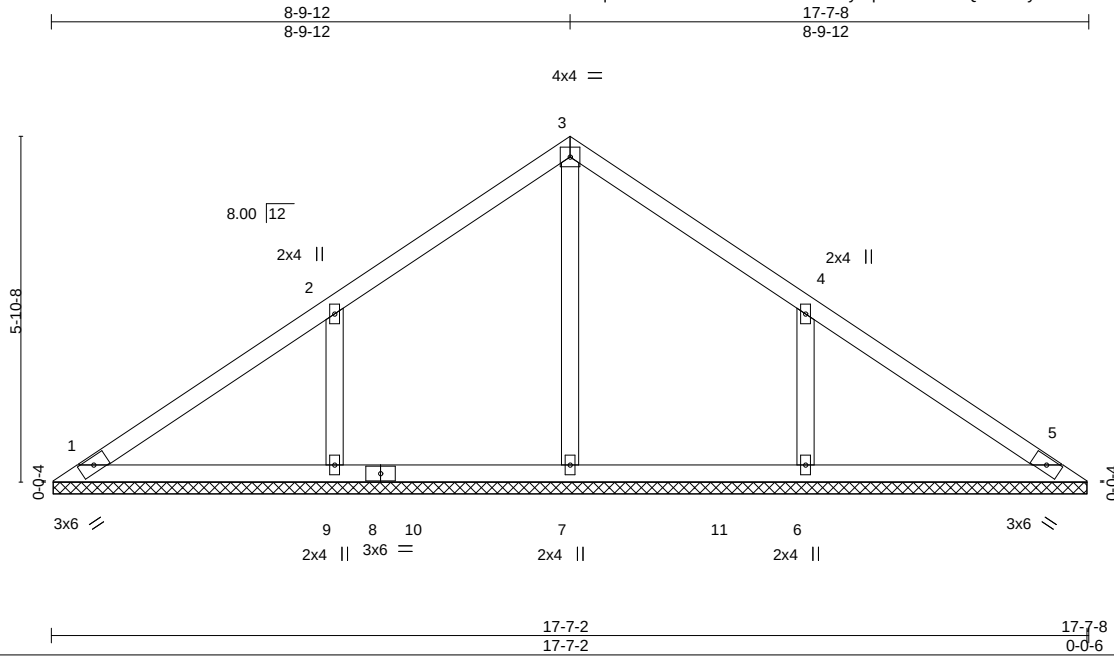
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6904 Parke East Blvd.
Tampa, FL 36610

Job 2340296	Truss V02	Truss Type Valley	Qty 1	Ply 1	IC CONST. - STALVEY RES. T20177668
Builders FirstSource, Jacksonville, FL - 32244,					

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:07:12 2020 Page 1
ID: rzqzaIN7Xx3Pba4dVRS1L3zHwoE-y7qsF5IG5sGalQII8O?cyFZ78wWC6THHuZ95YCzHemD



LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.21	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.15	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.09	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						
	Code FBC2017/TPI2014						Weight: 72 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.

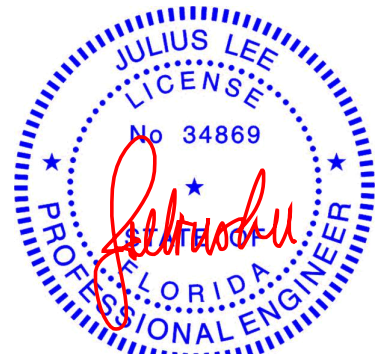
All bearings 17-6-12.
(lb) - Max Horz 1=-173(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-284(LC 12), 6=-284(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=332(LC 19), 9=435(LC 19), 6=435(LC 20)

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

WEBS 2-9=-336/301, 4-6=-336/300

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Gable requires continuous bottom chord bearing.
- 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, 5 except (jt=lb) 9=284, 6=284.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 11, 2020

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

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



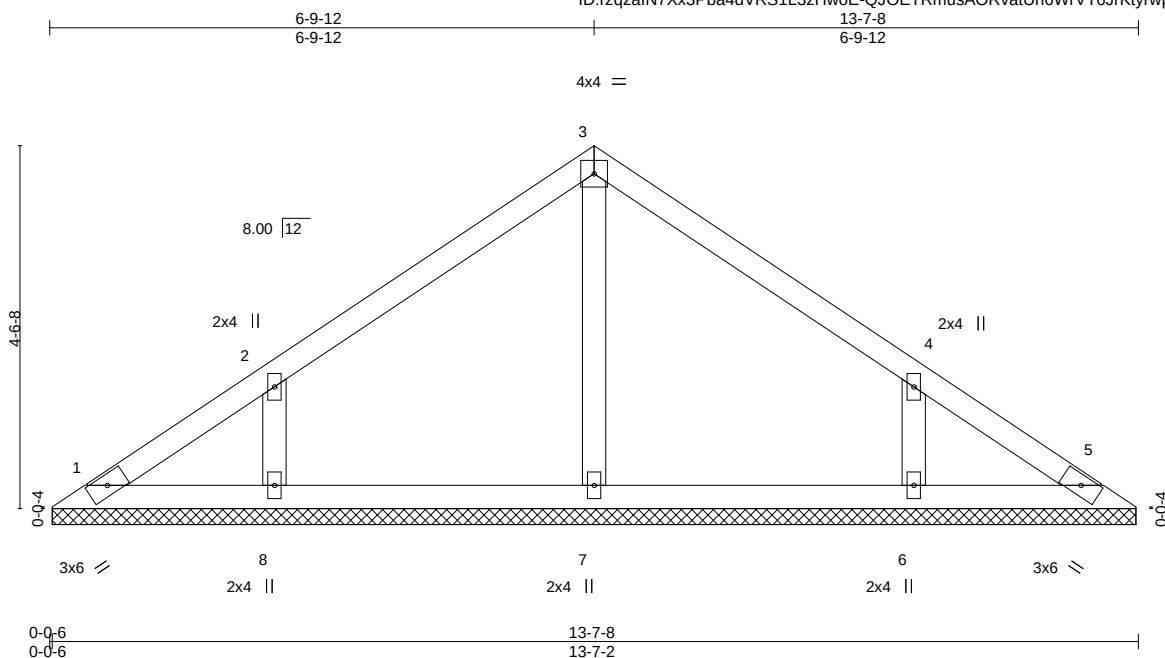
6904 Parke East Blvd.
Tampa, FL 33610

Job 2340296	Truss V03	Truss Type Valley	Qty 1	Ply 1	IC CONST. - STALVEY RES. Job Reference (optional)	T20177669
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:07:13 2020 Page 1

ID:rzqzalN7Xx3Pba4dVRS1L3zHwoE-QJOETRmusAORvatUh6WrVT6JrKtyrwpQ7Due4ezHemC



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.15	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.12	Vert(CT)	n/a	-	n/a	999	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	5	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						
								Weight: 53 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 13-6-12.
(lb) - Max Horz 1=-131(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-221(LC 12), 6=-221(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=317(LC 19), 6=317(LC 20)

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

WEBS 2-8=-268/241, 4-6=-268/241

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Gable requires continuous bottom chord bearing.
- 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, 7 except (jt=lb) 8=221, 6=221.



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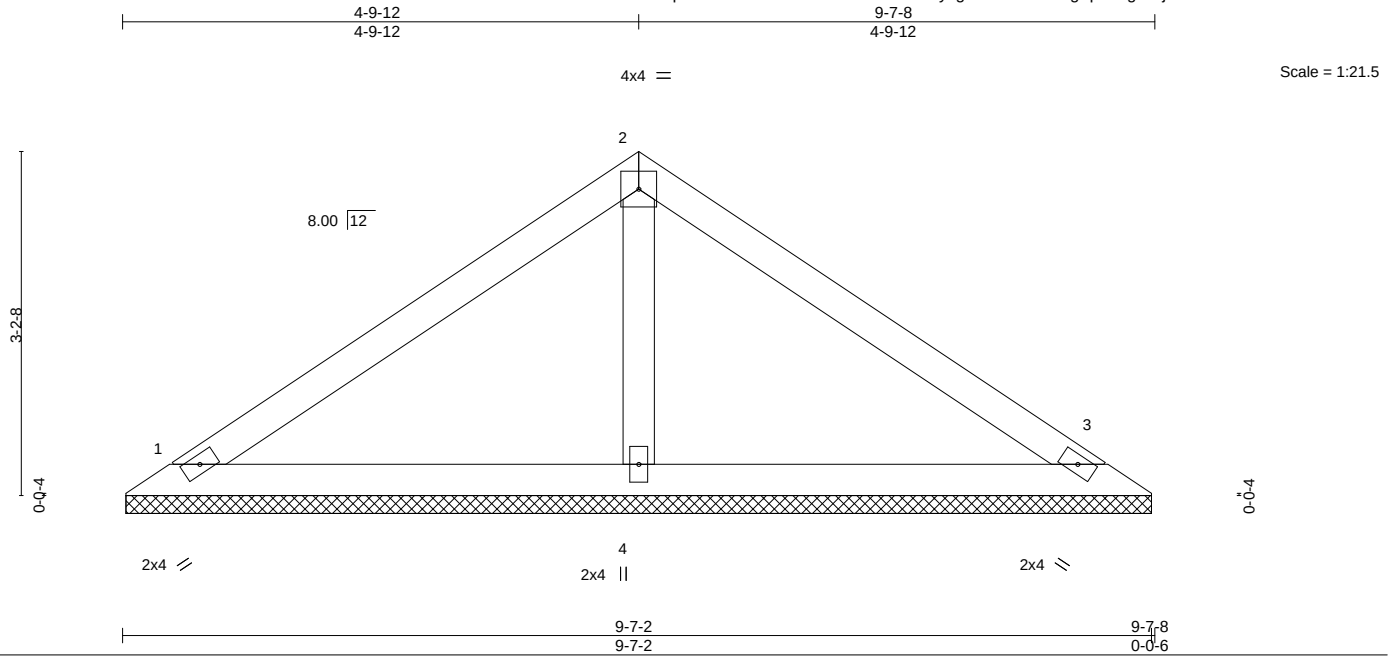
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 2340296	Truss V04	Truss Type Valley	Qty 1	Ply 1	IC CONST. - STALVEY RES. T20177670
Builders FirstSource, Jacksonville, FL - 32244,					

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:07:14 2020 Page 1
ID: rzqzaIN7Xx3Pba4dVRS1L3zHwoE-uVycgmXdTWIXkSgFp141gfTPjCBaOSaMteCc5zHemB



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.22	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.18	Vert(CT)	n/a	-	n/a	999	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						
									Weight: 34 lb FT = 20%

LUMBER-

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

BRACING-

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

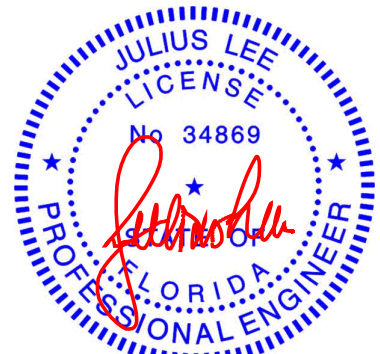
REACTIONS.

(size) 1=9-6-12, 3=9-6-12, 4=9-6-12
Max Horz 1=-90(LC 10)
Max Uplift 1=-70(LC 12), 3=-82(LC 13), 4=-90(LC 12)
Max Grav 1=157(LC 1), 3=158(LC 20), 4=327(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=3.0psf; h=18ft; 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
- Gable requires continuous bottom chord bearing.
- 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, 3, 4.



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May 11, 2020

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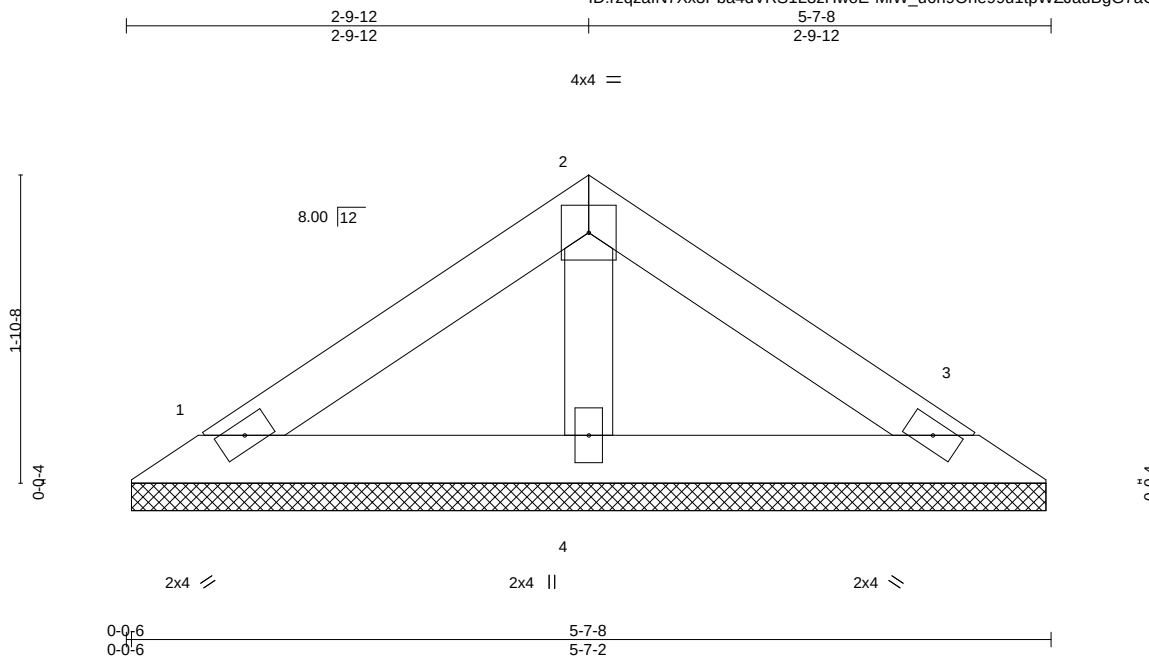


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Job 2340296	Truss V05	Truss Type Valley	Qty 1	Ply 1	IC CONST. - STALVEY RES. T20177671
Job Reference (optional)					

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 11 07:07:15 2020 Page 1
ID: rzqzalN7Xx3Pba4dVRS1L3zHwoE-MiW_u6n9One99u1tpWZJauBgG7aQJr5jaXNI9XzHemA



Scale = 1:14.0

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 0.09	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	n/a	-	n/a	999	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-P						
									Weight: 18 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 5-7-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

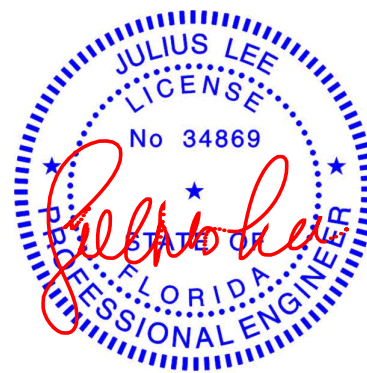
REACTIONS.

(size) 1=5-6-12, 3=5-6-12, 4=5-6-12
Max Horz 1=48(LC 11)
Max Uplift 1=45(LC 12), 3=52(LC 13), 4=33(LC 12)
Max Grav 1=92(LC 1), 3=92(LC 1), 4=160(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; 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
- Gable requires continuous bottom chord bearing.
- 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, 3, 4.



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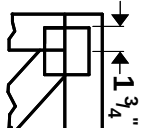
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



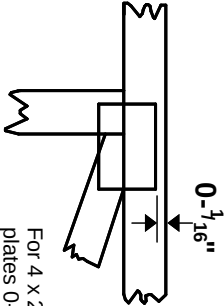
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Tampa, FL 36610

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 2012 software or upon request.**

PLATE SIZE

4 X 4

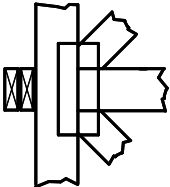
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



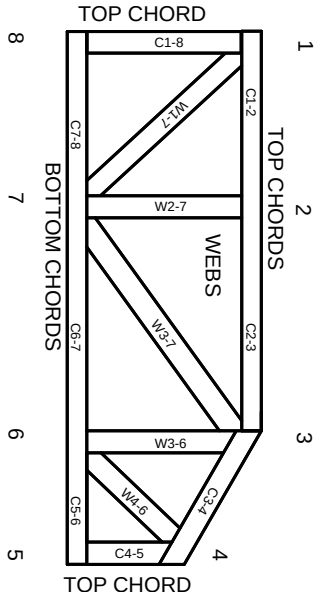
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI.1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: 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/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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