



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

RE: 2368249 - RWK ENT. - HISCOCK RES.

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

Site Information:

Customer Info: RWK Enterprises Project Name: Hiscock Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 101 Ginnie Springs Rd., N/A
City: Gilchrist 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 24 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T20682635	T01	7/9/20	23	T20682657	V12	7/9/20
2	T20682636	T01G	7/9/20	24	T20682658	V13	7/9/20
3	T20682637	T02	7/9/20				
4	T20682638	T03	7/9/20				
5	T20682639	T04	7/9/20				
6	T20682640	T05	7/9/20				
7	T20682641	T06	7/9/20				
8	T20682642	T07	7/9/20				
9	T20682643	T07G	7/9/20				
10	T20682644	T08	7/9/20				
11	T20682645	T08G	7/9/20				
12	T20682646	V01	7/9/20				
13	T20682647	V02	7/9/20				
14	T20682648	V03	7/9/20				
15	T20682649	V04	7/9/20				
16	T20682650	V05	7/9/20				
17	T20682651	V06	7/9/20				
18	T20682652	V07	7/9/20				
19	T20682653	V08	7/9/20				
20	T20682654	V09	7/9/20				
21	T20682655	V10	7/9/20				
22	T20682656	V11	7/9/20				



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: Velez, Joaquin

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.



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

July 9, 2020

Velez, Joaquin

1 of 1

173

Job	Truss	Truss Type	Qty	Ply	RWK ENT. - HISCOCK RES.	T20682635
2368249	T01	Common	5	1		

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ID:nxAp0lu8aVJEoCbDQL0yp6y5Ask-1fMydJcRX6j2SLfAqleu7kse?UUtS6uAj28gBDyZpVb

-1-6-0	8-0-0	15-2-0	22-4-0	30-4-0	31-10-0
1-6-0	8-0-0	7-2-0	7-2-0	8-0-0	1-6-0

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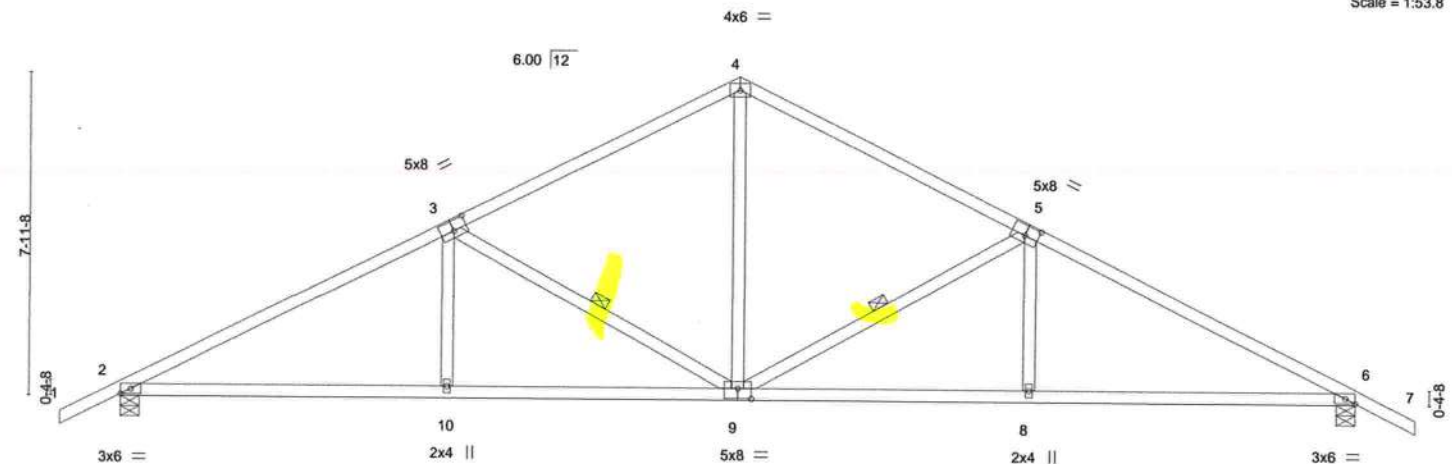


Plate Offsets (X,Y)--	[3:0-4-0,0-3-0], [5:0-4-0,0-3-0], [6:0-2-15,Edge], [9:0-4-0,0-3-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.66	Vert(LL)	0.15 10-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.70	Vert(CT)	-0.25 8-16	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.49	Horz(CT)	0.08 6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 147 lb	FT = 20%

LUMBER-			BRACING-		
TOP CHORD	2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 3-2-4 oc purlins.	
BOT CHORD	2x4 SP No.2		BOT CHORD	Rigid ceiling directly applied or 6-4-0 oc bracing.	
WEBS	2x4 SP No.3		WEBS	1 Row at midpt	5-9, 3-9

REACTIONS. (size) 2=0-5-8, 6=0-5-8
Max Horz 2=-175(LC 13)
Max Uplift 2=-470(LC 12), 6=-470(LC 13)
Max Grav 2=1203(LC 1), 6=1203(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1993/1046, 3-4=-1358/810, 4-5=-1358/810, 5-6=-1993/1046
BOT CHORD 2-10=-772/1711, 9-10=-772/1707, 8-9=-781/1707, 6-8=-781/1711
WEBS 4-9=-436/798, 5-9=-683/493, 5-8=0/322, 3-9=-683/493, 3-10=0/322

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) 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
 - 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 470 lb uplift at joint 2 and 470 lb uplift at joint 6.



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July 9,2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.
Tampa, FL 33610

Job 2368249	Truss T01G	Truss Type Common Supported Gable	Qty 2	Ply 1	RWK ENT. - HISCOCK RES.	T20682636
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Builders FirstSource, Jacksonville, FL - 32244,

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30-4-0 31-10-0
15-2-0 1-6-0

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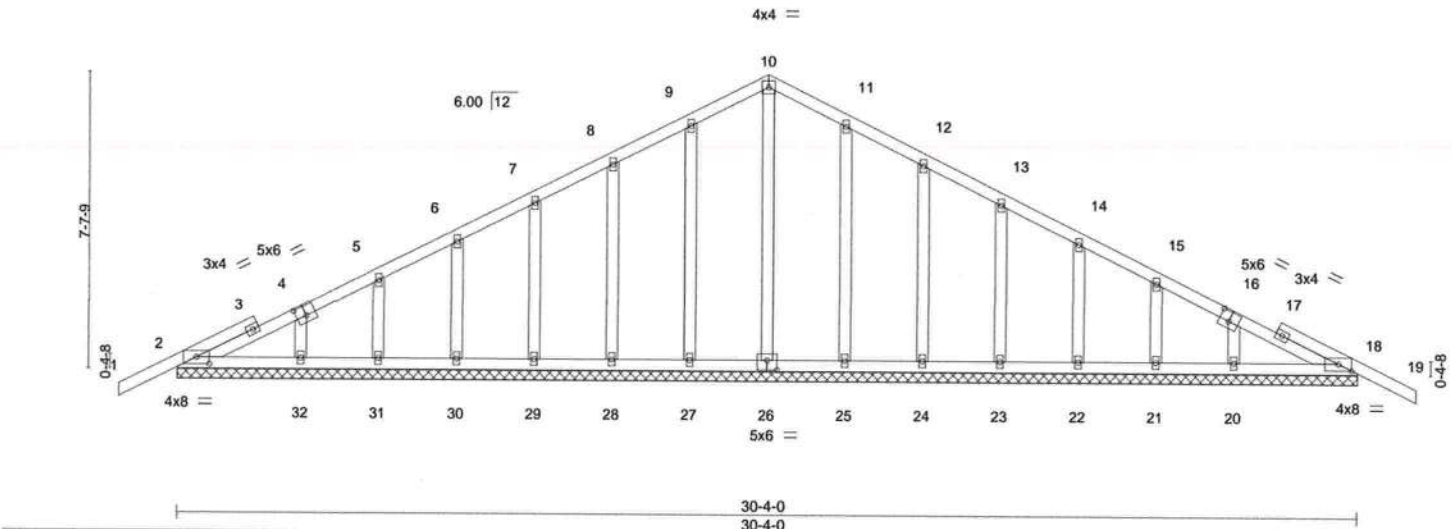


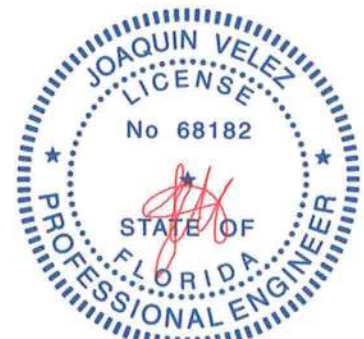
Plate Offsets (X,Y)--									
[2:0-4-0,0-2-1], [4:0-3-0,0-3-0], [16:0-3-0,0-3-0], [18:0-4-0,0-2-1], [26:0-3-0,0-3-0]									
LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES
TCLL 20.0	Plate Grip DOL	1.25	TC 0.17	Vert(LL)	-0.00	19	n/r	120	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	-0.01	19	n/r	120	GRIP
BCLL 0.0	Rep Stress Incr	YES	WB 0.17	Horz(CT)	0.01	18	n/a	n/a	244/190
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						
									Weight: 180 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
OTHERS 2x4 SP No.3	6-0-0 oc bracing: 2-32,18-20.

REACTIONS.	All bearings 30-4-0.
(lb) - Max Horz	2=168(LC 13)
Max Uplift	All uplift 100 lb or less at joint(s) 2, 27, 28, 29, 30, 31, 32, 25, 24, 23, 22, 21, 18 except
	20=104(LC 13)
Max Grav	All reactions 250 lb or less at joint(s) 2, 26, 27, 28, 29, 30, 31, 32, 25, 24, 23, 22, 21, 20, 18

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	9-10=101/289, 10-11=101/289

- 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 27, 28, 29, 30, 31, 32, 25, 24, 23, 22, 21, 18 except (jt=lb) 20=104.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 18.



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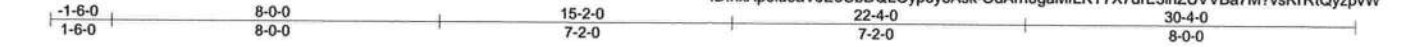
July 9,2020

Job 2368249	Truss T02	Truss Type Common	Qty 6	Ply 1	RWK ENT. - HISCOCK RES.	T20682637
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Builders FirstSource, Jacksonville, FL - 32244,

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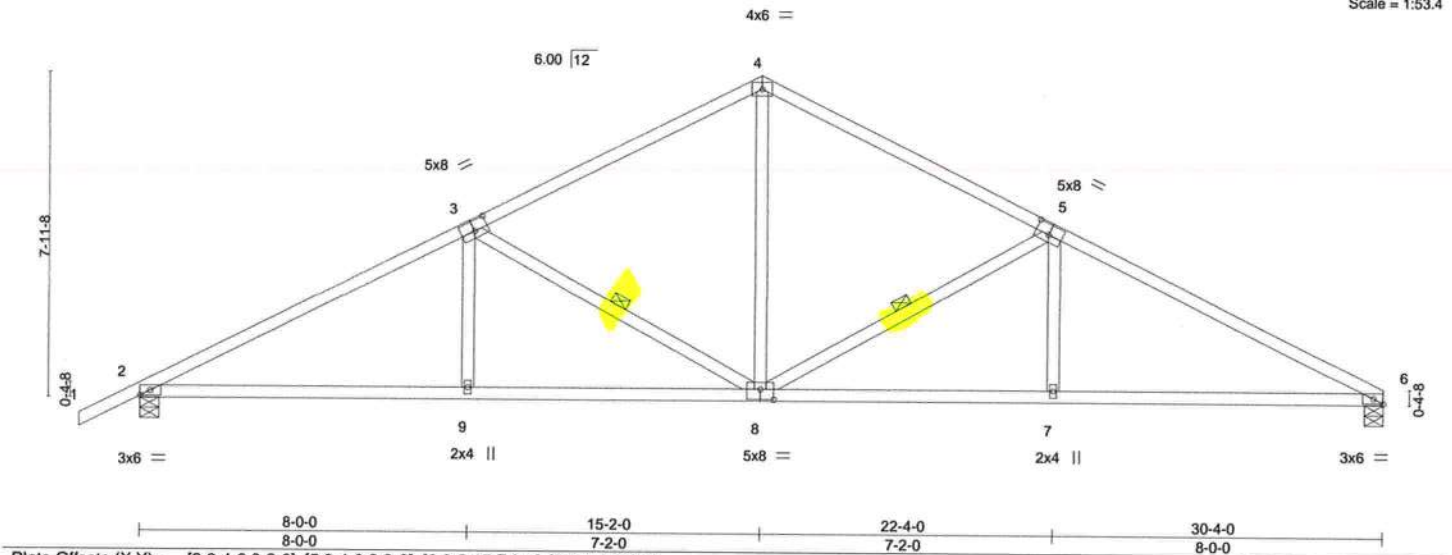


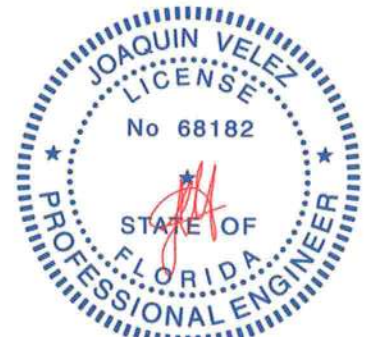
Plate Offsets (X,Y)--		[3:0-4-0,0-3-0], [5:0-4-0,0-3-0], [6:0-2-15,Edge], [8:0-4-0,0-3-0]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.67
TCDL 7.0	Lumber DOL	1.25	BC 0.73
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.50
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS
DEFL.	in	(loc)	L/defl
Vert(LL)	0.17	7-15	>999
Vert(CT)	-0.27	7-15	>999
Horz(CT)	0.08	6	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 144 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-9 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-10-2 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-8, 3-8

REACTIONS. (size) 2=0-5-8, 6=0-5-8
 Max Horz 2=191(LC 12)
 Max Uplift 2=471(LC 12), 6=419(LC 13)
 Max Grav 2=1205(LC 1), 6=1120(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1998/1054, 3-4=-1362/818, 4-5=-1363/818, 5-6=-2008/1063
 BOT CHORD 2-9=-823/1715, 8-9=-824/1712, 7-8=-833/1722, 6-7=-833/1726
 WEBS 4-8=-444/803, 5-8=-696/505, 5-7=0/323, 3-8=-683/494, 3-9=0/322

- 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=471, 6=419.



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 Date:

July 9,2020

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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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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 6904 Parke East Blvd.
 Tampa, FL 33610

Job 2368249	Truss T03	Truss Type Common	Qty 4	Ply 1	RWK ENT. - HISCOCK RES.	T20682638
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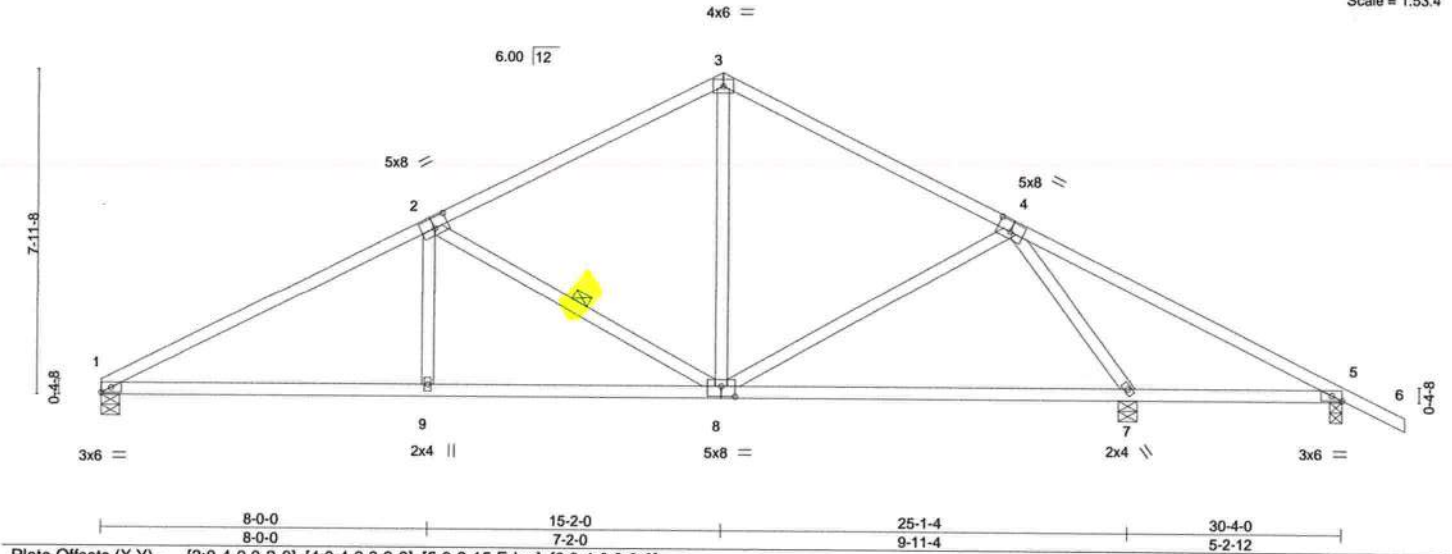
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:43 2020 Page 1

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8-0-0	15-2-0	22-4-0	30-4-0	31-10-0
8-0-0	7-2-0	7-2-0	8-0-0	1-6-0

Scale = 1:53.4



Job	Truss	Truss Type	Qty	Ply	RWK ENT. - HISCOCK RES.	T20682639
2368249	T04	ROOF SPECIAL	3	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:44 2020 Page 1
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Job Reference (optional)



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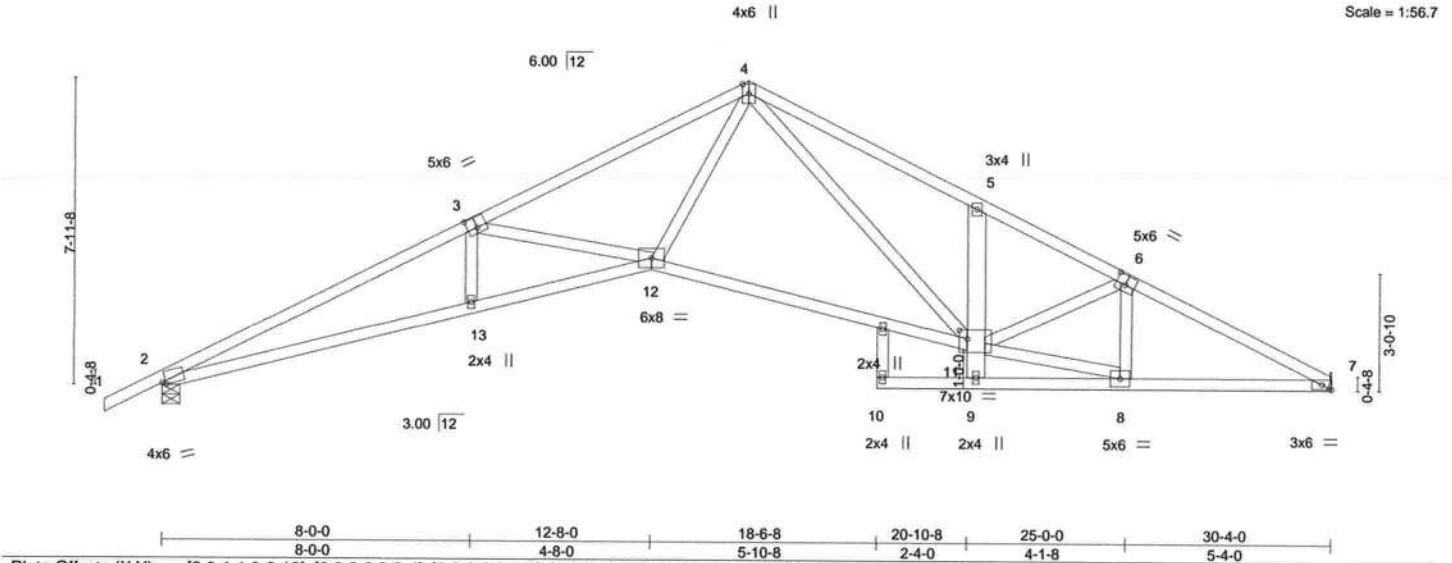


Plate Offsets (X,Y)--		2-0-1-1,0-0-12], [3:0-3-0,0-3-4], [6:0-3-0,0-3-0], [7:0-2-15,Edge], [11:0-2-8,0-2-12]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL 20.0	Plate Grip DOL	1.25	TC 0.81	Vert(LL)	-0.30 11-12	>999	240	MT20	244/190		
TCDL 7.0	Lumber DOL	1.25	BC 0.97	Vert(CT)	-0.68 11-12	>538	180				
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.72	Horz(CT)	0.30 7	n/a	n/a				
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS								
										Weight: 160 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 3-4: 2x4 SP M 31	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x4 SP No.2 *Except* 5-9: 2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
WEBS	2x4 SP No.3		10-0-0 oc bracing: 9-11

REACTIONS. (size) 2=0-5-8, 7=Mechanical
Max Horz 2=191(LC 12)
Max Uplift 2=465(LC 12), 7=408(LC 13)
Max Grav 2=1223(LC 1), 7=1154(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3634/1797, 3-4=-2889/1391, 4-5=-2440/1372, 5-6=-2318/1162, 6-7=-2187/1102
BOT CHORD 2-13=-1532/3271, 12-13=-1533/3274, 11-12=-603/1757, 5-11=-317/318, 7-8=-902/1907
WEBS 3-12=-725/585, 4-12=-695/1704, 4-11=-478/753, 8-11=-755/1777, 6-8=-364/206

- 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., 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
 - 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.
 - Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=465, 7=408.



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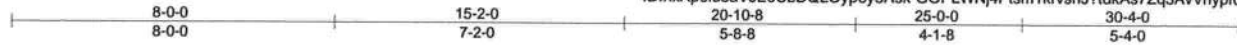
Job 2368249	Truss T05	Truss Type Roof Special	Qty 5	Ply 1	RWK ENT. - HISCOCK RES.	T20682640
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:45 2020 Page 1

ID:nxAp0lu8aVJEoCbDQLOyp6y5Ask-GOPLWNj4Plsm1krvshJ?tdkAs7Zq3AvVnypf0ByzpvS

Job Reference (optional)



4x6 =

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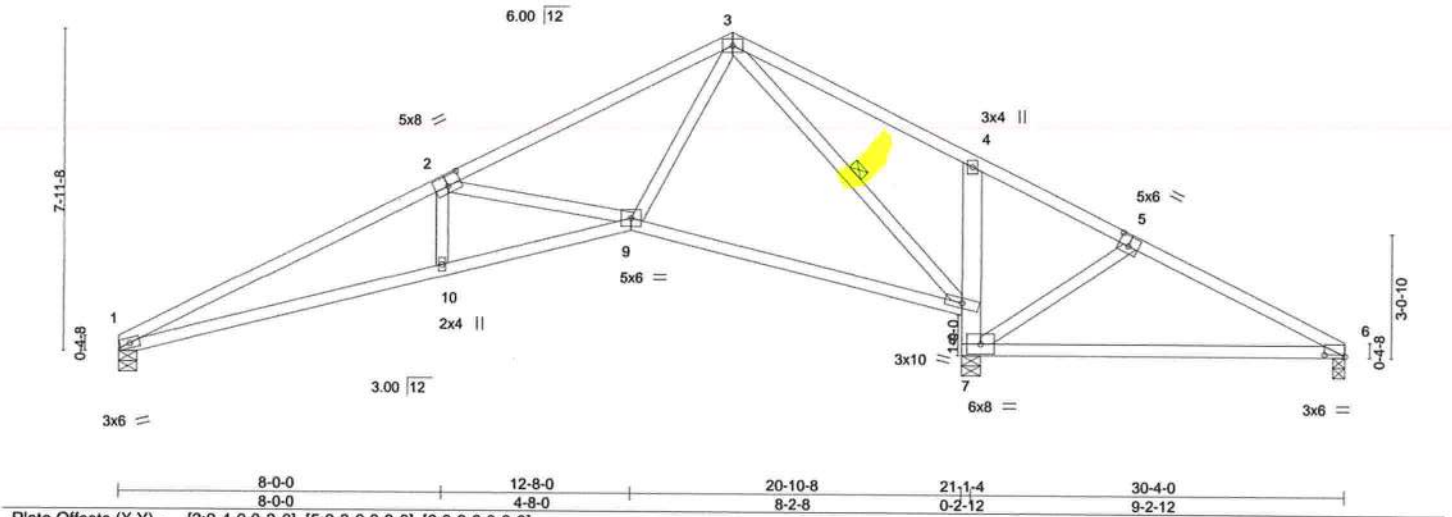


Plate Offsets (X,Y)-- [2:0-4-0,0-3-0], [5:0-3-0,0-3-0], [6:0-6-0,0-0-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCCL 20.0	Plate Grip DOL	1.25	TC 0.65	Vert(LL)	0.35	7-16	>312	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.65	Vert(CT)	0.29	7-16	>381	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.50	Horz(CT)	0.09	7	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 *Except*
4-7: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-5-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-8

REACTIONS.

(size) 1=0-5-8, 7=0-5-8, 6=0-3-8
Max Horz 1=159(LC 12)
Max Uplift 1=285(LC 12), 7=441(LC 12), 6=214(LC 8)
Max Grav 1=700(LC 1), 7=1389(LC 1), 6=240(LC 24)

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

TOP CHORD 1-2=-1917/1087, 2-3=-1041/618, 3-4=-80/539, 4-5=-106/435, 5-6=-129/290
BOT CHORD 1-10=-887/1712, 9-10=-879/1696, 8-9=-69/436, 7-8=-1119/440, 4-8=-266/270
WEBS 2-10=0/256, 2-9=-826/650, 3-9=-365/918, 3-8=-1191/438, 5-7=-312/386

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
- 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) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=285, 7=441, 6=214.



Joaquin Velez PE No.68182
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Date:

July 9, 2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job 2368249	Truss T06	Truss Type Roof Special	Qty 5	Ply 1	RWK ENT. - HISCOCK RES.	T20682641
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Builders FirstSource, Jacksonville, FL - 32244,

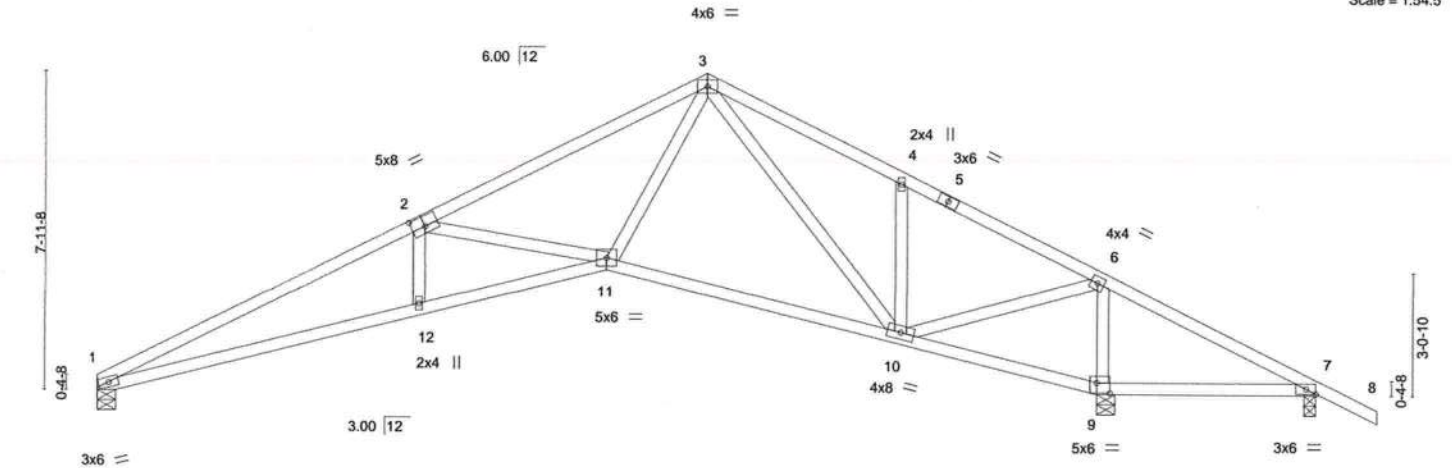
8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:46 2020 Page 1

ID:nxAp0lu8aVJEoCbDQLOyp6y5Ask-kbzkjijAB_deuQ5QQqEPrgLPWvaoYne0bZCYeyzpvR

Job Reference (optional)

8-0-0	15-2-0	20-0-0	24-10-8	30-4-0	31-10-0
8-0-0	7-2-0	4-10-0	4-10-8	5-5-8	1-6-0

Scale = 1:54.5



		8-0-0		12-8-0		20-0-0		24-10-8		25-1-4		30-4-0	
		8-0-0		4-8-0		7-4-0		4-10-8		0-2-12		5-2-12	
Plate Offsets (X,Y)--		[2:0-4-0,0-3-0], [7:0-2-15,Edge], [9:0-4-0,0-3-0]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc)		l/defl L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC 0.66		Vert(LL) 0.16 12-15		>999 240		MT20		244/190	
TCDL	7.0	Lumber DOL 1.25		BC 0.68		Vert(CT) -0.28 10-11		>999 180					
BCLL	0.0 *	Rep Stress Incr YES		WB 0.78		Horz(CT) 0.15 9		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 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-3-7 oc bracing.

REACTIONS.

(size) 1=0-5-8, 9=0-5-8, 7=0-3-8
Max Horz 1=-191(LC 13)
Max Uplift 1=-315(LC 12), 9=-577(LC 12), 7=-364(LC 23)
Max Grav 1=792(LC 1), 9=1822(LC 1), 7=153(LC 12)

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

TOP CHORD 1-2=-2288/1166, 2-3=-1428/704, 3-4=-422/432, 4-6=-422/289, 6-7=-466/1253
BOT CHORD 1-12=-923/2051, 11-12=-917/2037, 10-11=-133/713, 9-10=-1176/578, 7-9=-1054/513
WEBS 2-12=0/259, 2-11=-814/645, 3-11=-397/1075, 3-10=-636/254, 4-10=-272/279,
6-10=-563/1500, 6-9=-1427/761

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
- 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) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=315, 9=577, 7=364.



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Date:

July 9,2020



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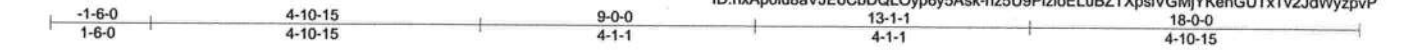


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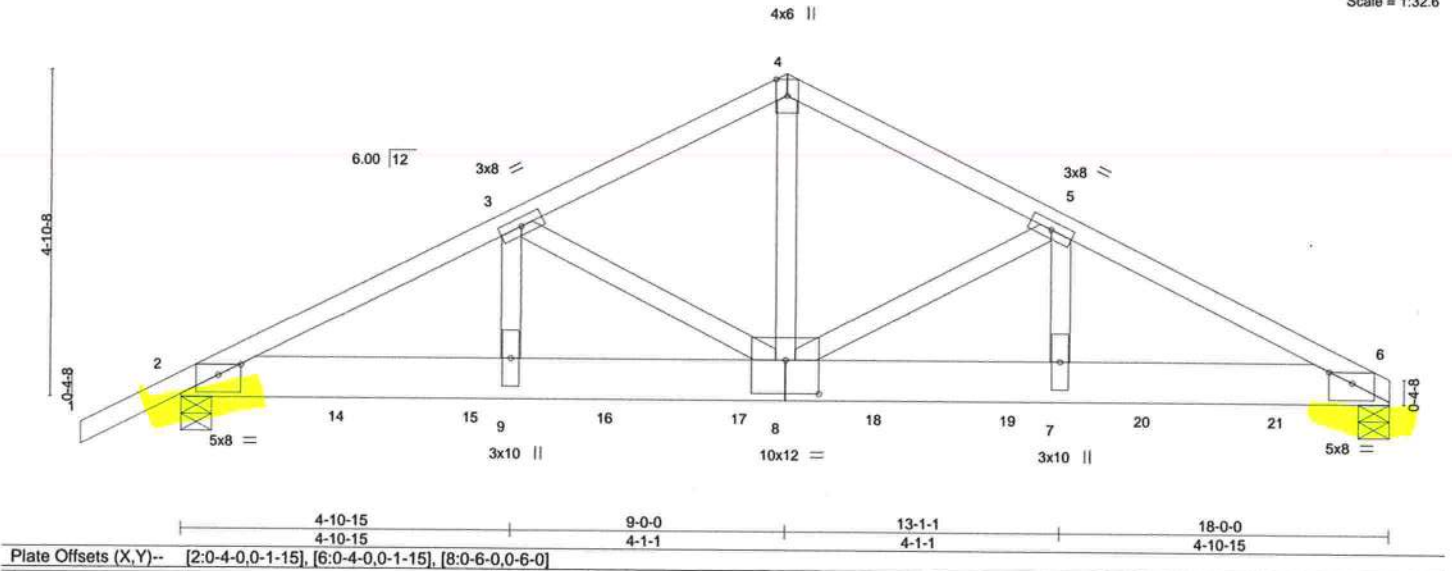
Job 2368249	Truss T07	Truss Type Common Girder	Qty 1	Ply 2	RWK ENT. - HISCOCK RES.	T20682642
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:48 2020 Page 1
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Scale = 1:32.6



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.56	Vert(LL) 0.13	8-9	>999	240		MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.44	Vert(CT) -0.23	7-8	>944	180			
BCLL 0.0 *	Rep Stress Incr NO	WB 0.64	Horz(CT) 0.05	6	n/a	n/a			
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS							
								Weight: 225 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 "Except"
4-8: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-5-8, 2=0-5-8
Max Horz 2=126(LC 12)
Max Uplift 6=1999(LC 9), 2=1921(LC 8)
Max Grav 6=5343(LC 1), 2=4979(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-9384/3558, 3-4=-6662/2541, 4-5=-6673/2541, 5-6=-9612/3601
BOT CHORD 2-9=-3204/8371, 8-9=-3204/8371, 7-8=-3149/8579, 6-7=-3149/8579
WEBS 4-8=-2135/5684, 5-8=-3073/1237, 5-7=-922/2623, 3-8=-2833/1192, 3-9=-884/2412

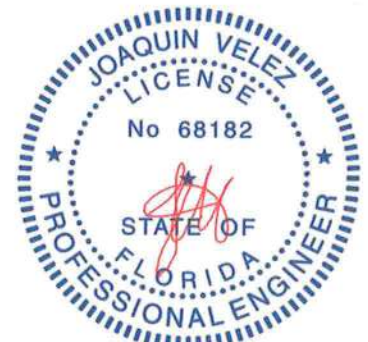
NOTES-

- 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 0-6-0 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 (jt=lb) 6=1999, 2=1921.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1100 lb down and 439 lb up at 2-4-12, 1100 lb down and 439 lb up at 4-4-12, 1100 lb down and 439 lb up at 6-4-12, 1100 lb down and 439 lb up at 8-4-12, 1100 lb down and 439 lb up at 10-4-12, 1136 lb down and 429 lb up at 12-4-12, and 1136 lb down and 429 lb up at 14-4-12, and 1136 lb down and 429 lb up at 16-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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, 2-6=-20

Continued on page 2



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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Date:

July 9,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	RWK ENT. - HISCOCK RES.	T20682642
2368249	T07	Common Girder	1	2	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:48 2020 Page 2
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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 14=-1100(B) 15=-1100(B) 16=-1100(B) 17=-1100(B) 18=-1100(B) 19=-1136(B) 20=-1136(B) 21=-1136(B)



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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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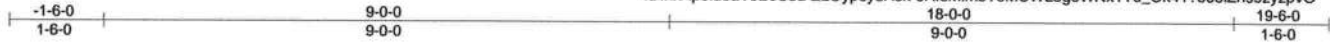
Job	Truss	Truss Type	Qty	Ply	RWK ENT. - HISCOCK RES.	T20682643
2368249	T07G	Common Supported Gable	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:49 2020 Page 1

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Job Reference (optional)



Scale = 1:34.8

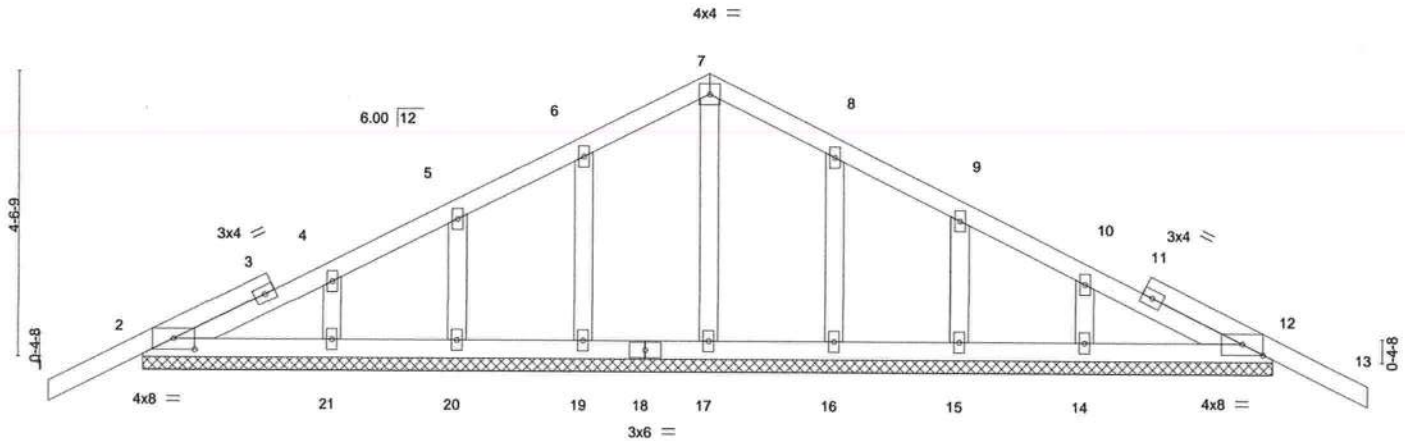


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [12:0-4-0,0-2-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.17	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.06	Vert(CT)	-0.01	13	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.04	Horz(CT)	0.00	12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-S							

Weight: 91 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 18-0-0.
(lb) - Max Horz 2=104(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 21, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 19, 20, 21, 16, 15, 14

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., GCpl=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 19, 20, 21, 16, 15, 14.



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

July 9,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2368249	Truss T08	Truss Type Scissor	Qty 5	Ply 1	RWK ENT. - HISCOCK RES.	T20682644
Builders FirstSource, Jacksonville, FL - 32244,						Job Reference (optional)

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:50 2020 Page 1
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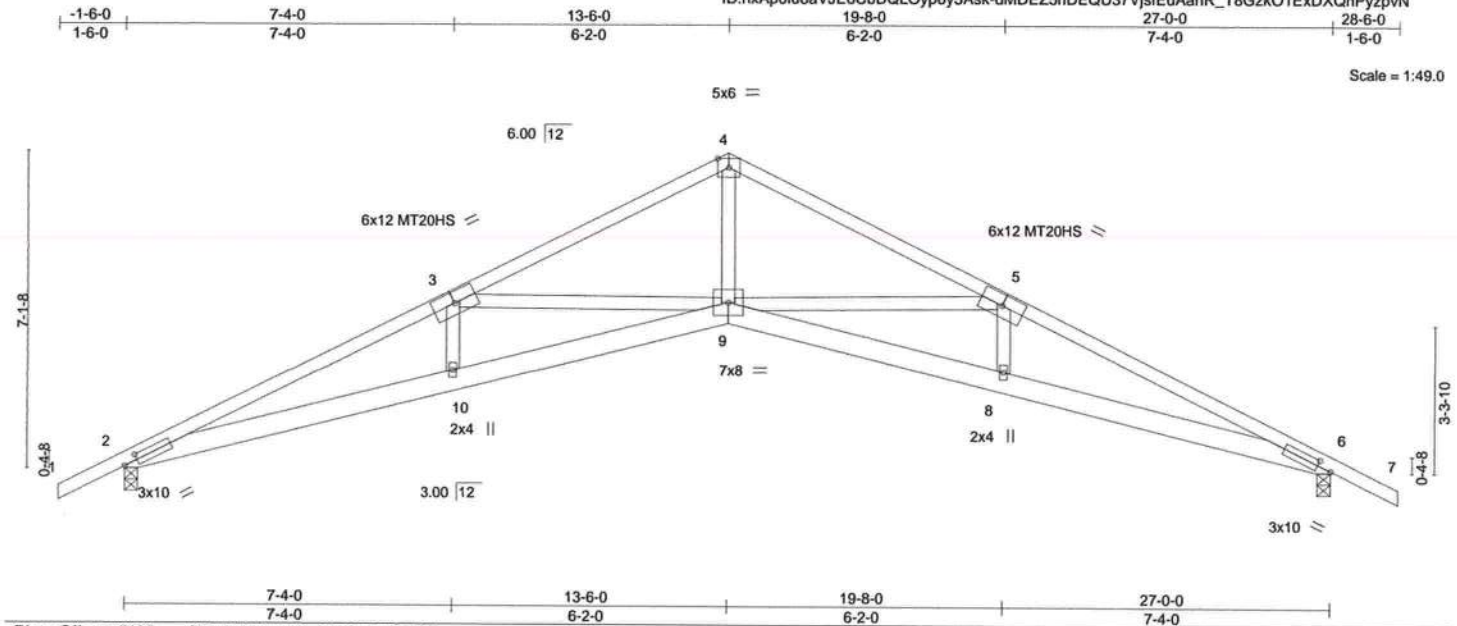


Plate Offsets (X,Y)--		[2:0-3-11,0-1-8], [6:0-3-11,0-1-8]									
LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.85	Vert(LL)	0.53	9-10	>612	240	MT20	244/190	
TCDL 7.0	Lumber DOL	1.25	BC 0.65	Vert(CT)	0.45	9-10	>723	180	MT20HS	187/143	
BCLL 0.0	Rep Stress Incr	YES	WB 0.70	Horz(CT)	-0.35	6	n/a	n/a			
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS								
										Weight: 142 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 "Except"	TOP CHORD	Structural wood sheathing directly applied or 3-2-6 oc purlins.
	1-3,5-7: 2x4 SP M 31	BOT CHORD	Rigid ceiling directly applied or 2-10-14 oc bracing.
BOT CHORD	2x6 SP No.2		
WEBS	2x4 SP No.3		

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=158(LC 16)
Max Uplift 2=477(LC 9), 6=477(LC 8)
Max Grav 2=1080(LC 1), 6=1080(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=3294/5314, 3-4=2303/3502, 4-5=2303/3502, 5-6=3294/5335
BOT CHORD 2-10=4671/2997, 9-10=4528/2998, 8-9=4547/2998, 6-8=4692/2997
WEBS 4-9=2860/1677, 5-9=944/1832, 5-8=604/273, 3-9=944/1834, 3-10=605/273

- 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; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) All plates are MT20 plates unless otherwise indicated.
 - 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) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=477, 6=477.



Joaquin Velez PE No.68182
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Date:

July 9, 2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job 2368249	Truss T08G	Truss Type GABLE	Qty 1	Ply 2	RWK ENT. - HISCOCK RES.	T20682645
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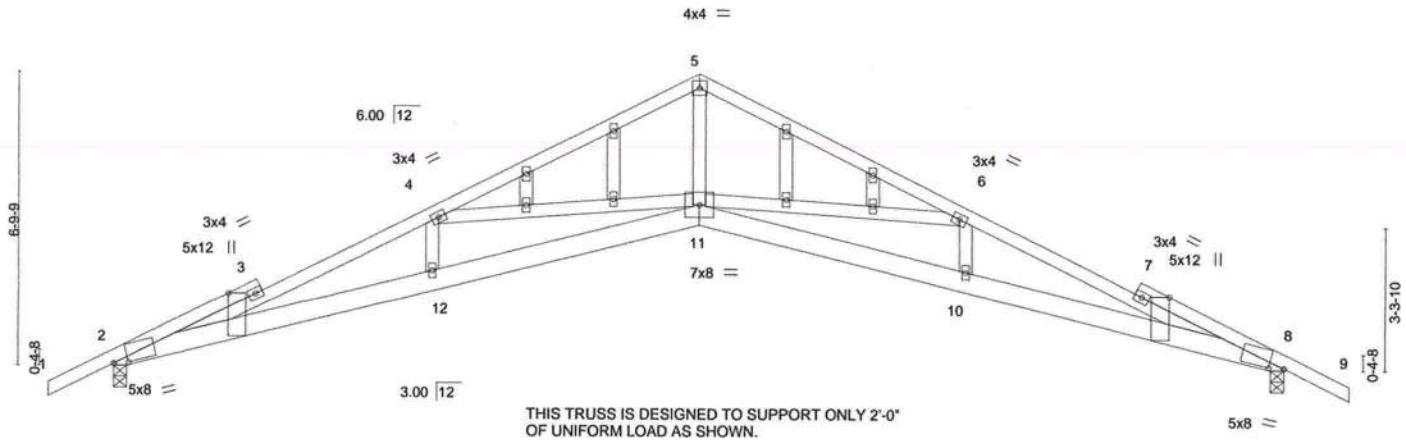
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:51 2020 Page 1

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Scale = 1:50.5



		7-4-0		13-6-0		19-8-0		27-0-0	
		7-4-0		6-2-0		6-2-0		7-4-0	
Plate Offsets (X,Y)--		[2:0-4-0,0-0-11], [2:1-7-11,Edge], [8:0-4-0,0-0-11], [8:1-7-11,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 0.94		Vert(LL) 0.48 11-12 >668 240		MT20 244/190	
TCDL	7.0	Lumber DOL 1.25		BC 0.41		Vert(CT) 0.41 11-12 >789 180			
BCLL	0.0 *	Rep Stress Incr YES		WB 0.36		Horz(CT) -0.28 8 n/a n/a			
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS				Weight: 302 lb FT = 20%	

LUMBER-
TOP CHORD 2x4 SP M 31 "Except"
1-3,7-9: 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 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-6-5 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-151(LC 13)
Max Uplift 2=-475(LC 9), 8=-475(LC 8)
Max Grav 2=1077(LC 1), 8=1077(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-3614/5918, 4-5=-2505/3813, 5-6=-2505/3813, 6-8=-3614/5950
BOT CHORD 2-12=-5327/3387, 11-12=-5217/3407, 10-11=-5247/3407, 8-10=-5359/3387
WEBS 5-11=-3170/1875, 6-11=-1132/2199, 6-10=-435/196, 4-11=-1132/2200, 4-12=-437/196

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: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 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 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 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) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=475, 8=475.
- Studding applied to ply: 1(Front)



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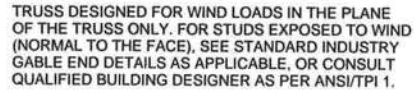
July 9,2020

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8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:52 2020 Page 1
ID:nxAp0lu8aVJEoCbDQLOyp6y5Ask-ZkK?_noTm1knNptFmfxf6WXGx6rCR_XOX0WmHyZpVL



REACTIONS. All bearings 27-9-1.
(lb) - Max Horz 27=132(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 26, 27, 20, 22, 23, 24, 18, 17, 16, 15 except 25=131(LC 12),
14=127(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 26, 13, 27, 19, 20, 22, 23, 24, 25, 18, 17, 16, 15, 14

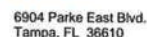
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=3.0psf; h=18ft; Cat. II; Exp C; Encl., Gcpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 27, 20, 22, 23, 24, 18, 17, 16, 15 except (It=lb) 25=131, 14=127.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job 2368249	Truss V02	Truss Type Valley	Qty 1	Ply 1	RWK ENT. - HISCOCK RES. T20682647
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Builders FirstSource, Jacksonville, FL - 32244,

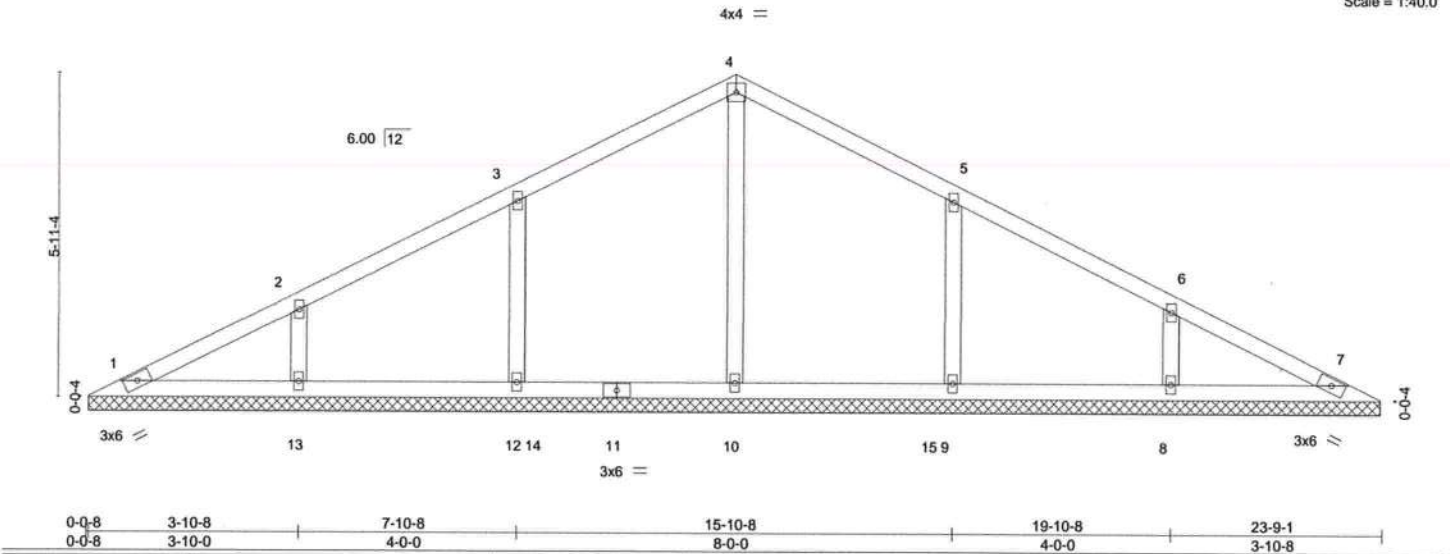
8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:54 2020 Page 1

ID:nxAp0lu8aVJEoCbDQLOyp6y5Ask-V7SIPsQkle_Uc61du4z6kXbrCIm9gLLqsrVdqAyzpvJ

Job Reference (optional)

3-10-8	7-10-8	11-10-8	15-10-8	19-10-8	23-9-1
3-10-8	4-0-0	4-0-0	4-0-0	4-0-0	3-10-8

Scale = 1:40.0



0-0-8	3-10-8	7-10-8	15-10-8	19-10-8	23-9-1
0-0-8	3-10-0	4-0-0	8-0-0	4-0-0	3-10-8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.16	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.19	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Vert(CT) n/a - n/a 999		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-S	Horz(CT) 0.00 7 n/a n/a		
				Weight: 95 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 23-8-1.
(lb) - Max Horz 1=118(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 12=202(LC 12), 13=183(LC 12), 9=201(LC 13), 8=183(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=367(LC 19), 12=319(LC 25), 13=295(LC 1), 9=319(LC 26), 8=295(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-12=236/250, 5-9=236/250

- 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) All plates are 2x4 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 12=202, 13=183, 9=201, 8=183.



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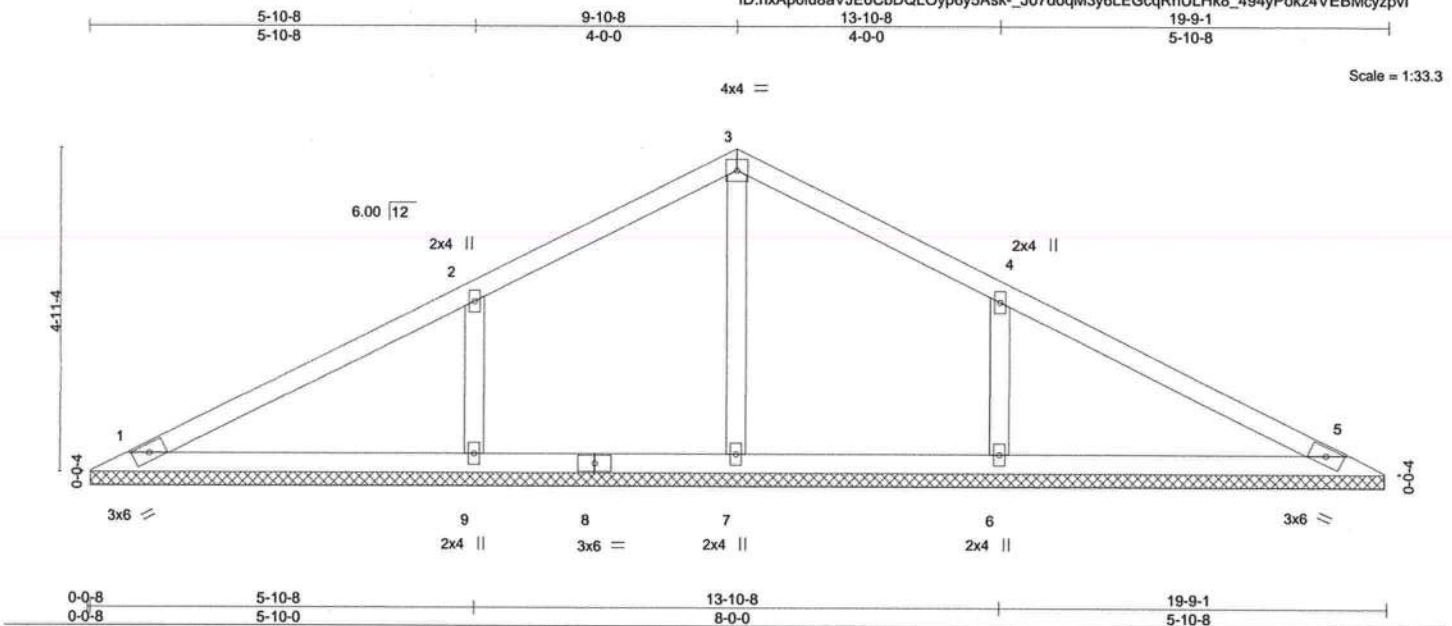
July 9, 2020

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Job 2368249	Truss V03	Truss Type Valley	Qty 1	Ply 1	RWK ENT. - HISCOCK RES.	T20682648
Builders FirstSource, Jacksonville, FL - 32244,						8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:55 2020 Page 1
Job Reference (optional)						ID:nxAp0lu8aVJEoCbDQLOyp6y5Ask-_J07doqM3y6LEGcqRnULHk8_494yPokz4VEBMcyzpyl



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.22	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 74 lb	FT = 20%

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

REACTIONS. All bearings 19-8-1.
 (lb) - Max Horz 1=-97(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-269(LC 12), 6=-269(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 9=425(LC 23), 6=425(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-304/321, 4-6=-304/321

- 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) 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, 5 except (jt=lb) 9=269, 6=269.



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Job 2368249	Truss V04	Truss Type Valley	Qty 1	Ply 1	RWK ENT. - HISCOCK RES. T20682649
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Builders FirstSource, Jacksonville, FL - 32244,

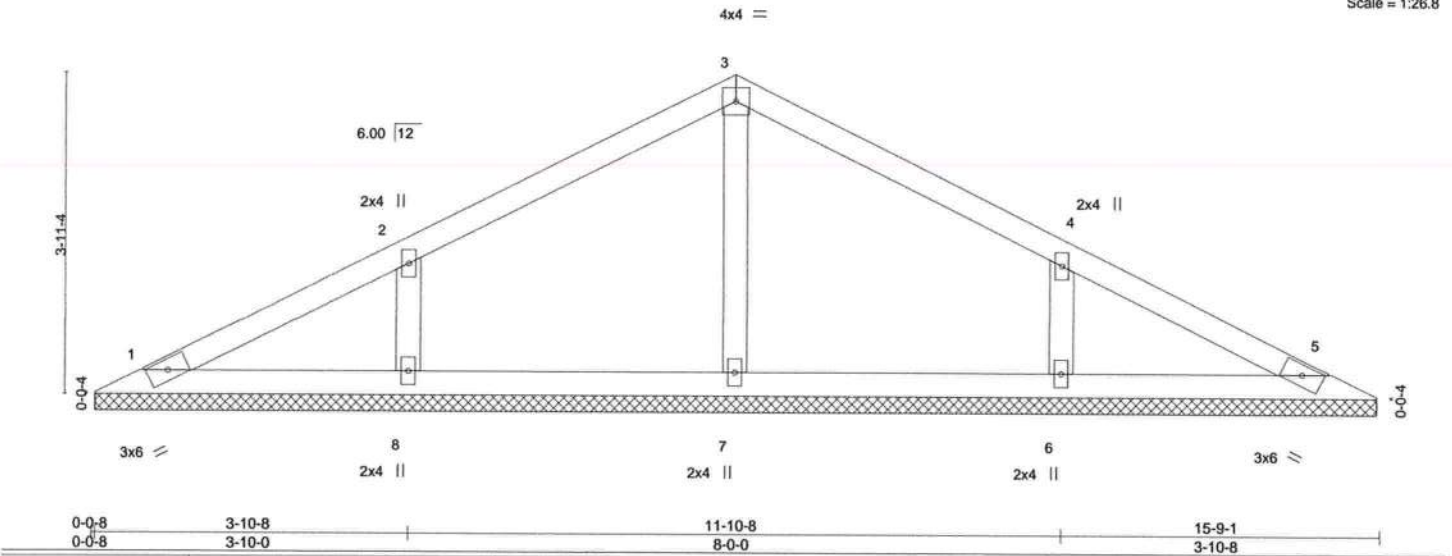
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Job Reference (optional)

3-10-8	7-10-8	11-10-8	15-9-1
3-10-8	4-0-0	4-0-0	3-10-8

Scale = 1:26.8



0-0-8	3-10-8	11-10-8	15-9-1
0-0-8	3-10-0	8-0-0	3-10-8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.16	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.11	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Vert(CT) n/a - n/a 999		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
				Weight: 57 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 15-8-1.
(lb) - Max Horz 1=76(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=204(LC 12), 6=204(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=254(LC 1), 8=317(LC 23), 6=317(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=234/254, 4-6=234/254

- 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=204, 6=204.



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July 9,2020

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Job	Truss	Truss Type	Qty	Ply	RWK ENT. - HISCOCK RES.	T20682650
2368249	V05	Valley	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

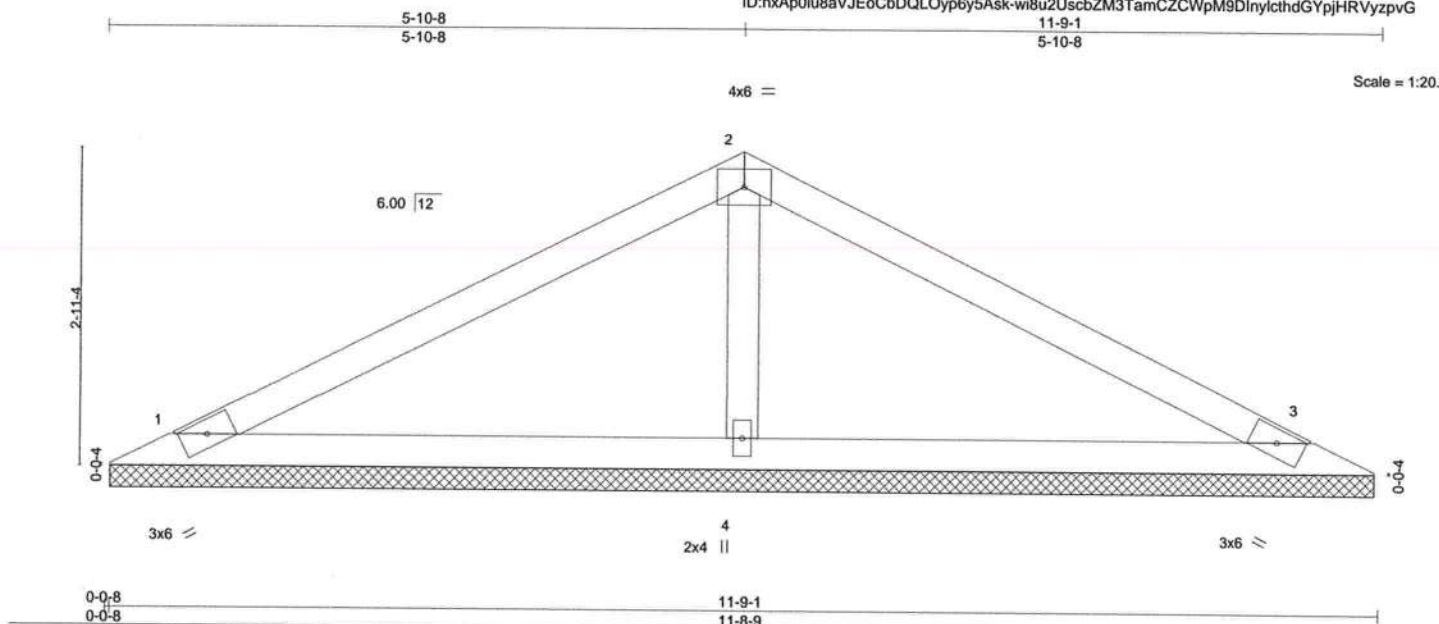
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Job Reference (optional)

11-9-1
5-10-8

Scale = 1:20.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.27	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S							

Weight: 38 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=11-8-1, 3=11-8-1, 4=11-8-1
Max Horz 1=55(LC 12)
Max Uplift 1=84(LC 12), 3=94(LC 13), 4=122(LC 12)
Max Grav 1=178(LC 23), 3=178(LC 24), 4=424(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=273/232

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) 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, 3 except (jt=lb) 4=122.



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Job 2368249	Truss V06	Truss Type Valley	Qty 1	Ply 1	RWK ENT. - HISCOCK RES. Job Reference (optional)	T20682651
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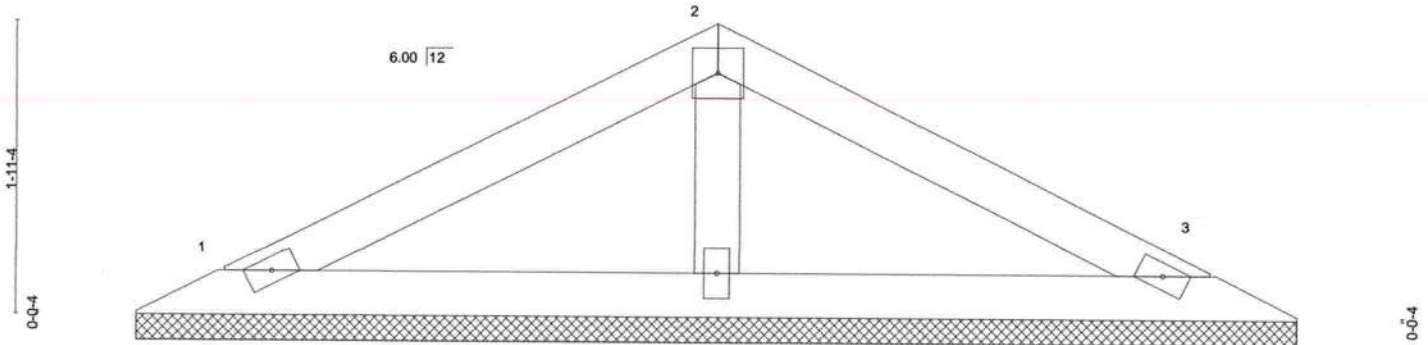
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8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:57 2020 Page 1
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3-10-8 3-10-8 7-9-1 3-10-8

Scale = 1:14.4

4x4 =



2x4 =

2x4 ||

2x4 =

0-0-8
0-0-8

7-9-1
7-8-9

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 0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCCL 7.0	Lumber DOL	1.25	BC 0.10	Vert(CT)	n/a	-	n/a	999		
BCCL 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: 24 lb	FT = 20%

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

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

REACTIONS. (size) 1=7-8-1, 3=7-8-1, 4=7-8-1
Max Horz 1=34(LC 13)
Max Uplift 1=52(LC 12), 3=58(LC 13), 4=76(LC 12)
Max Grav 1=110(LC 23), 3=110(LC 24), 4=262(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.



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

July 9,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job 2368249	Truss V07	Truss Type Valley	Qty 1	Ply 1	RWK ENT. - HISCOCK RES. Job Reference (optional)	T20682652
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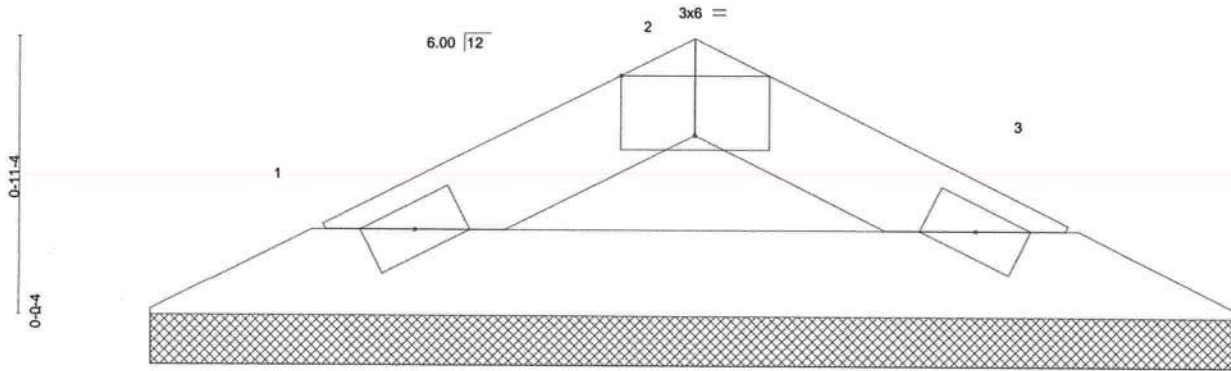
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:58 2020 Page 1

ID:nxAp0lu8aVJEoCbDQLOyp6y5Ask-OuhGFtEMtUw5kKO7v22uNmY7M8uc9yPnTTrxyzpvF

1-10-8 1-10-8 3-9-1 1-10-8

Scale = 1:7.4



0-0-8		3-9-1	
0-0-8		3-8-9	
Plate Offsets (X,Y)-- [2:0-3-0,Edge]			
LOADING (psf)		SPACING- 2-0-0	
TCL 20.0		Plate Grip DOL 1.25	
TCDL 7.0		Lumber DOL 1.25	
BCLL 0.0		Rep Stress Incr YES	
BCDL 10.0		Code FBC2017/TPI2014	
CSL		DEFL.	
TC 0.04		in (loc) l/defl L/d	
BC 0.07		Vert(LL) n/a - n/a 999	
WB 0.00		Vert(CT) n/a - n/a 999	
Matrix-P		Horz(CT) 0.00 3 n/a n/a	
PLATES		GRIP	
MT20		244/190	
Weight: 10 lb		FT = 20%	

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-8-1, 3=3-8-1
Max Horz 1=13(LC 12)
Max Uplift 1=34(LC 12), 3=34(LC 13)
Max Grav 1=92(LC 1), 3=92(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; 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) 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, 3.



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Date:

July 9,2020

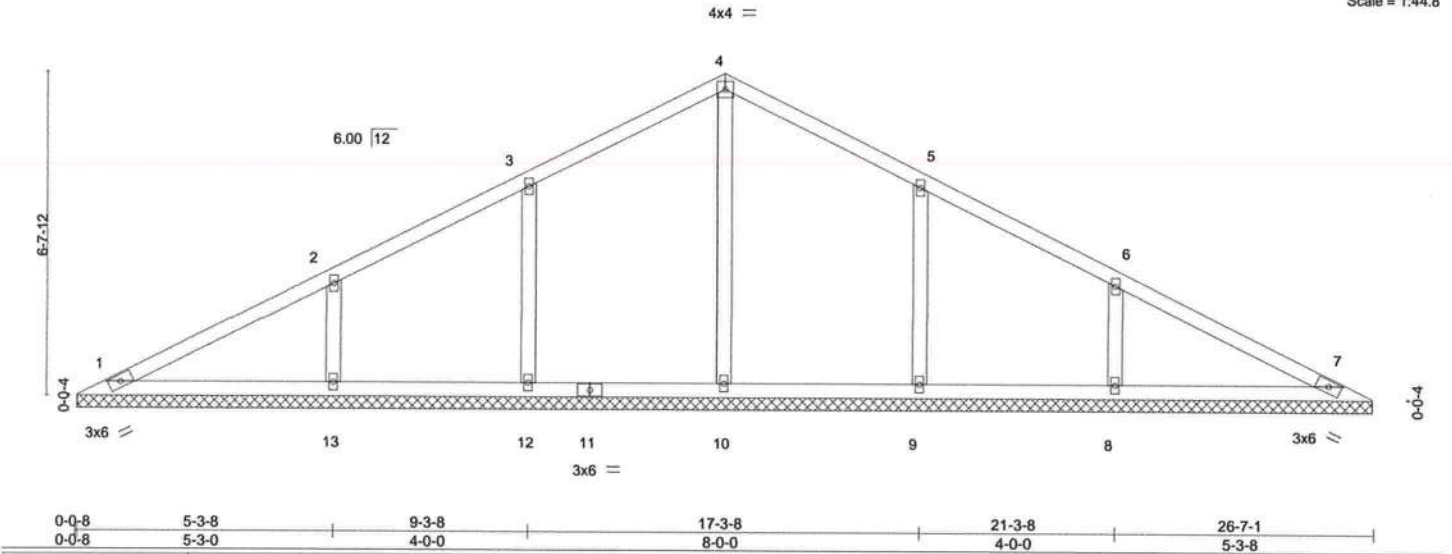
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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6904 Parke East Blvd.
Tampa, FL 33610

Job 2368249	Truss V08	Truss Type Valley	Qty 1	Ply 1	RWK ENT. - HISCOCK RES.	T20682653
Builders FirstSource, Jacksonville, FL - 32244,						8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:47:59 2020 Page 1
Job Reference (optional)						ID:nxAp0lu8aVJEoCbDQLOyp6y5Ask-s5FeSAts6BdniuvbgdZHRaJg6mSELa0Z77COVOyzpvE

5-3-8	9-3-8	13-3-8	17-3-8	21-3-8	26-7-1
5-3-8	4-0-0	4-0-0	4-0-0	4-0-0	5-3-8

Scale = 1:44.8



0-0-8	5-3-8	9-3-8	17-3-8	21-3-8	26-7-1
0-0-8	5-3-0	4-0-0	8-0-0	4-0-0	5-3-8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.21	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.19	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.14	Vert(CT) n/a - n/a 999		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-S	Horz(CT) 0.00 7 n/a n/a		
				Weight: 109 lb	FT = 20%

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

REACTIONS.	All bearings 26-6-1.
(lb) - Max Horz	1=133(LC 12)
Max Uplift	All uplift 100 lb or less at joint(s) 1, 7 except 12=187(LC 12), 13=231(LC 12), 9=187(LC 13), 8=231(LC 13)
Max Grav	All reactions 250 lb or less at joint(s) 1, 7 except 10=383(LC 22), 12=308(LC 25), 13=370(LC 1), 9=308(LC 26), 8=370(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	2-13=262/280, 6-8=262/280

- 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) All plates are 2x4 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 12=187, 13=231, 9=187, 8=231.



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MiTek USA, Inc. FL Cert 6634
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July 9,2020

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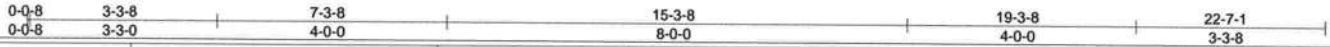
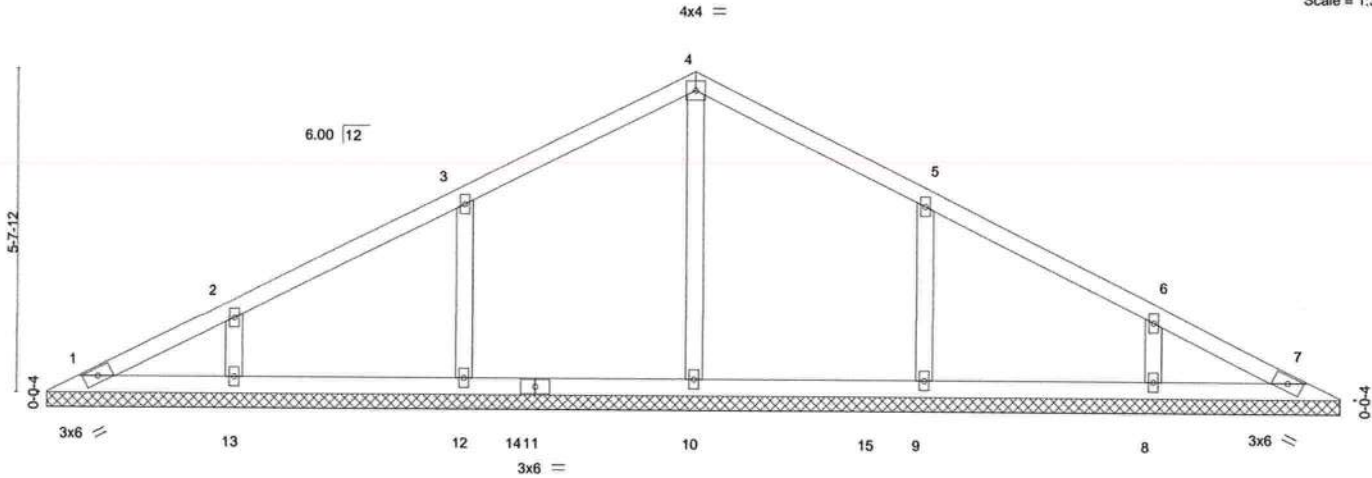
Job 2368249	Truss V09	Truss Type Valley	Qty 1	Ply 1	RWK ENT. - HISCOCK RES. Job Reference (optional)	T20682654
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:48:01 2020 Page 1
ID:nxAp0lu8aVJEoCbDQLOyp6y5Ask-oTNOtsv7eotVyB3zo2blW7O1MZ8zpVCsTRhVaGyzpvc



Scale = 1:38.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.17	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.18	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.10	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 7 n/a n/a		
	Code FBC2017/TPI2014			Weight: 89 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 22-6-1.
(lb) - Max Horz 1=112(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 12=205(LC 12), 13=168(LC 12), 9=205(LC 13), 8=168(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=357(LC 19), 12=321(LC 23), 13=270(LC 1), 9=321(LC 24), 8=270(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-12=239/254, 5-9=239/254

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 2x4 MT20 unless otherwise indicated.
- 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, 7 except (jt=lb) 12=205, 13=168, 9=205, 8=168.



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:

July 9, 2020

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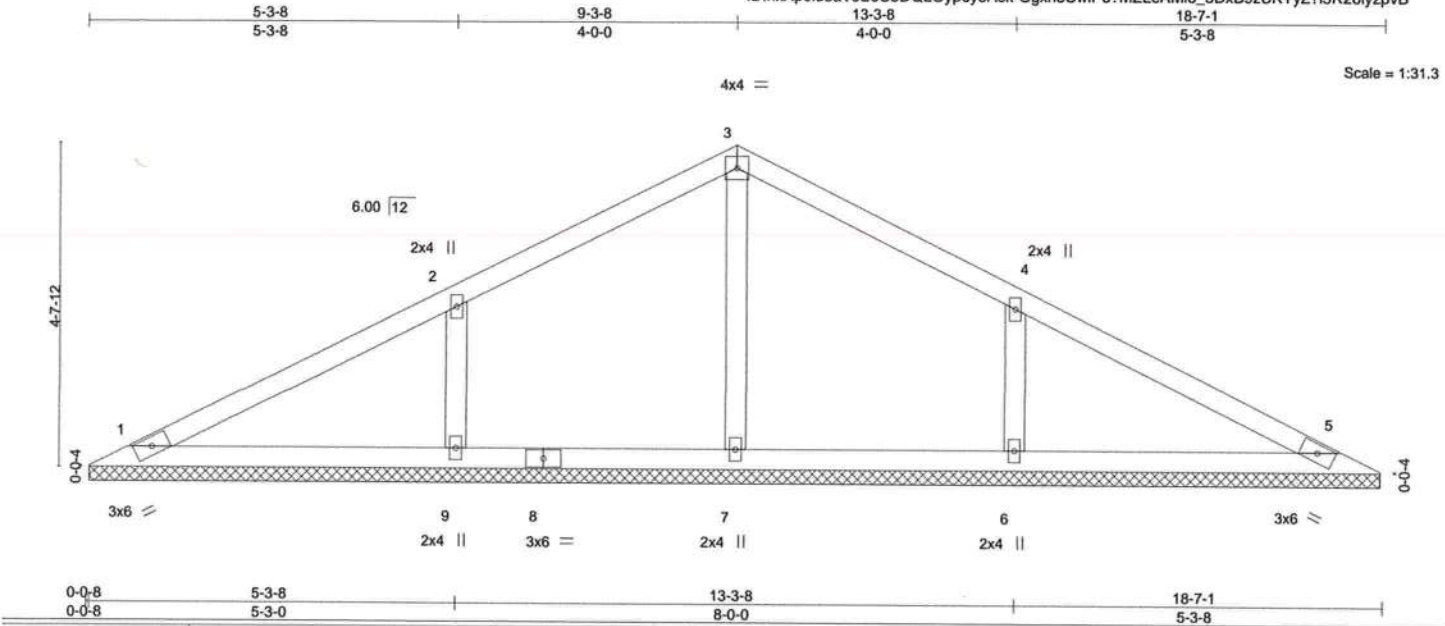
Job 2368249	Truss V10	Truss Type Valley	Qty 1	Ply 1	RWK ENT. - HISCOCK RES. T20682655
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:48:02 2020 Page 1
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Job Reference (optional)

Scale = 1:31.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.23	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.17	Vert(LL) n/a - n/a 999		
BCDL 0.0	Lumber DOL 1.25	WB 0.09	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
	Code FBC2017/TPI2014			Weight: 69 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 18-6-1.
(lb) - Max Horz 1=91(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=248(LC 12), 6=248(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 9=390(LC 23), 6=390(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-281/296, 4-6=-281/296

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) 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, 5 except (it=lb) 9=248, 6=248.



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
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July 9, 2020

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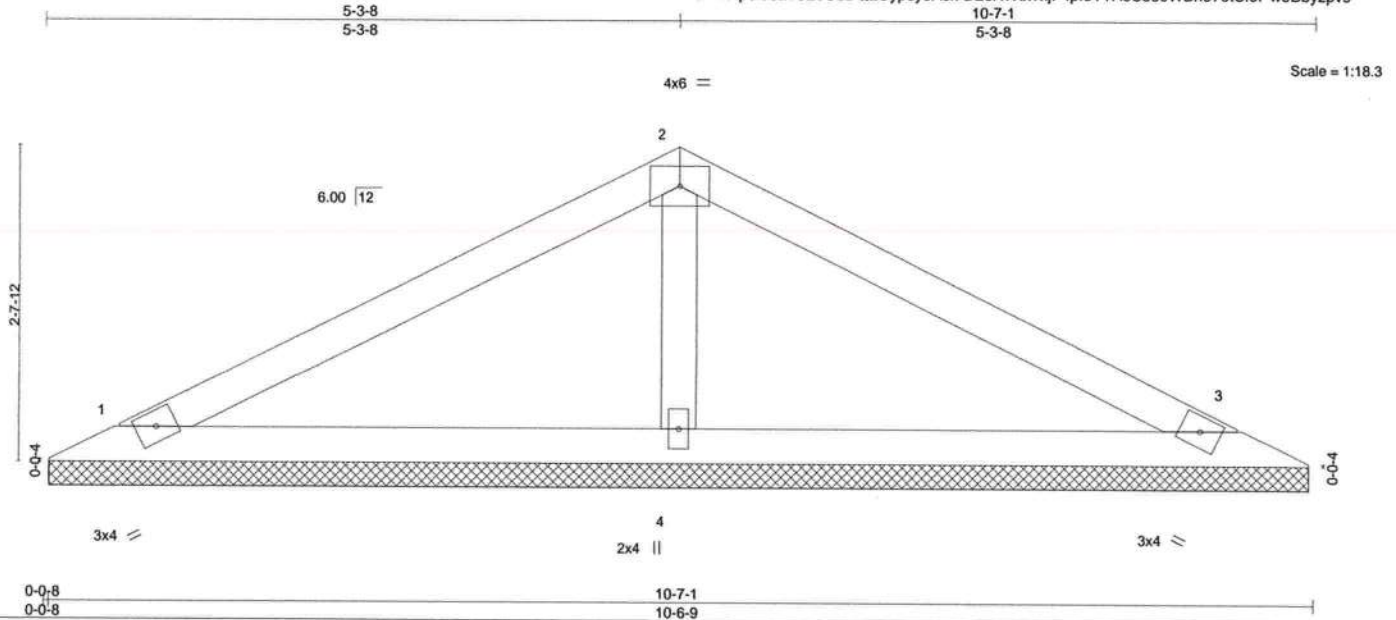
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Job 2368249	Truss V12	Truss Type Valley	Qty 1	Ply 1	RWK ENT. - HISCOCK RES. Job Reference (optional)	T20682657
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:48:04 2020 Page 1
ID:nxAp0lu8aVJEoCbDQLQyp6y5Ask-D23XWtx?xjF4pfoYTA8S8e0WBn970tSI9Pw9BByzpv9



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 0.26	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.21	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	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=10-6-1, 3=10-6-1, 4=10-6-1
Max Horz 1=49(LC 12)
Max Uplift 1=75(LC 12), 3=84(LC 13), 4=109(LC 12)
Max Grav 1=159(LC 23), 3=159(LC 24), 4=377(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) 1, 3 except (jt=lb) 4=109.



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

July 9,2020

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Tampa, FL 33610

Job 2368249	Truss V13	Truss Type Valley	Qty 1	Ply 1	RWK ENT. - HISCOCK RES. Job Reference (optional)	T20682658
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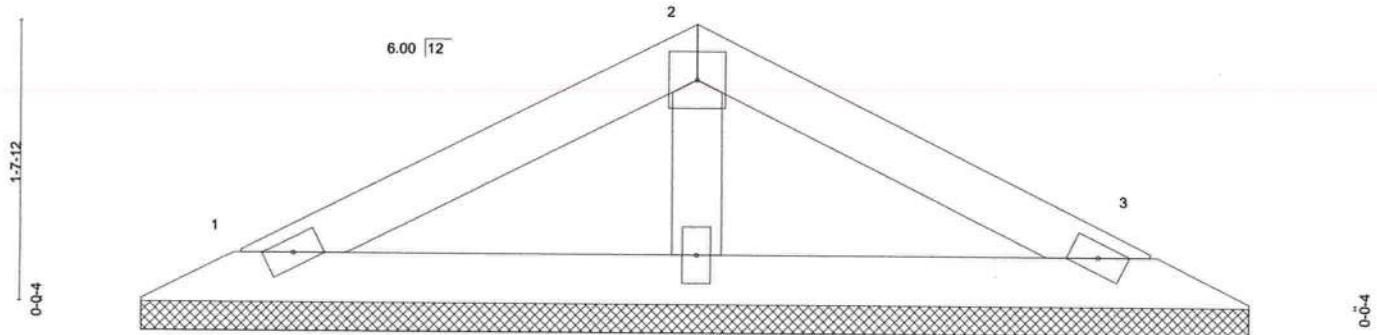
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Jul 9 10:48:05 2020 Page 1
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3-3-8 3-3-8 6-7-1 3-3-8

4x4 =

Scale = 1:12.8



2x4 //

2x4 ||

2x4 //

0-0-8
0-0-8

6-7-1
6-6-9

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.13	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-P						

Weight: 20 lb FT = 20%

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

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

REACTIONS. (size) 1=6-6-1, 3=6-6-1, 4=6-6-1
Max Horz 1=28(LC 17)
Max Uplift 1=50(LC 12), 3=56(LC 13), 4=47(LC 12)
Max Grav 1=99(LC 1), 3=99(LC 1), 4=196(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) 1, 3, 4.



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

July 9,2020



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

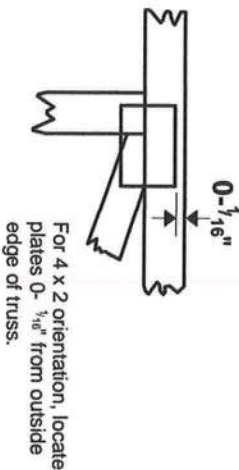
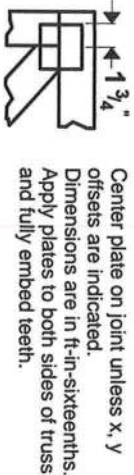
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



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 SIZE

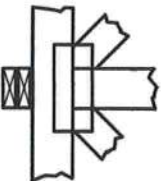
4 X 4
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or L bracing if indicated.

BEARING

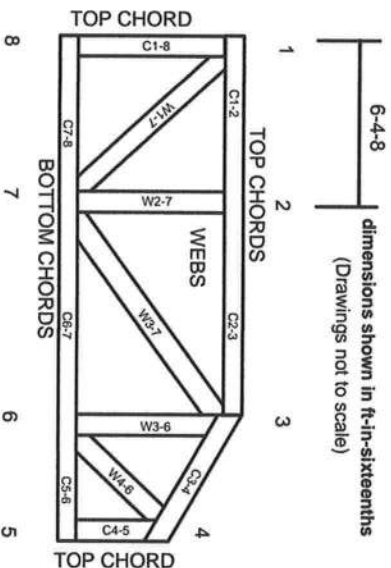


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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MITek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.