



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

RE: 2868122 - CHRISMILL HOMES - TRUJILLO RES.

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

Site Information:

Customer Info: Chrismill Homes Project Name: Trujillo Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 204 SW Madison Court, N/A
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 15 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
1	T24688861	PB01	7/15/21
2	T24688862	PB01G	7/15/21
3	T24688863	T01	7/15/21
4	T24688864	T01G	7/15/21
5	T24688865	T02	7/15/21
6	T24688866	T02G	7/15/21
7	T24688867	T03G	7/15/21
8	T24688868	T04	7/15/21
9	T24688869	T04G	7/15/21
10	T24688870	T05	7/15/21
11	T24688871	T06	7/15/21
12	T24688872	T07	7/15/21
13	T24688873	T07G	7/15/21
14	T24688874	T08	7/15/21
15	T24688875	V01	7/15/21



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

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

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.



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

July 15,2021

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.	T24688861
2868122	PB01	Piggyback	15	1	Job Reference (optional)	

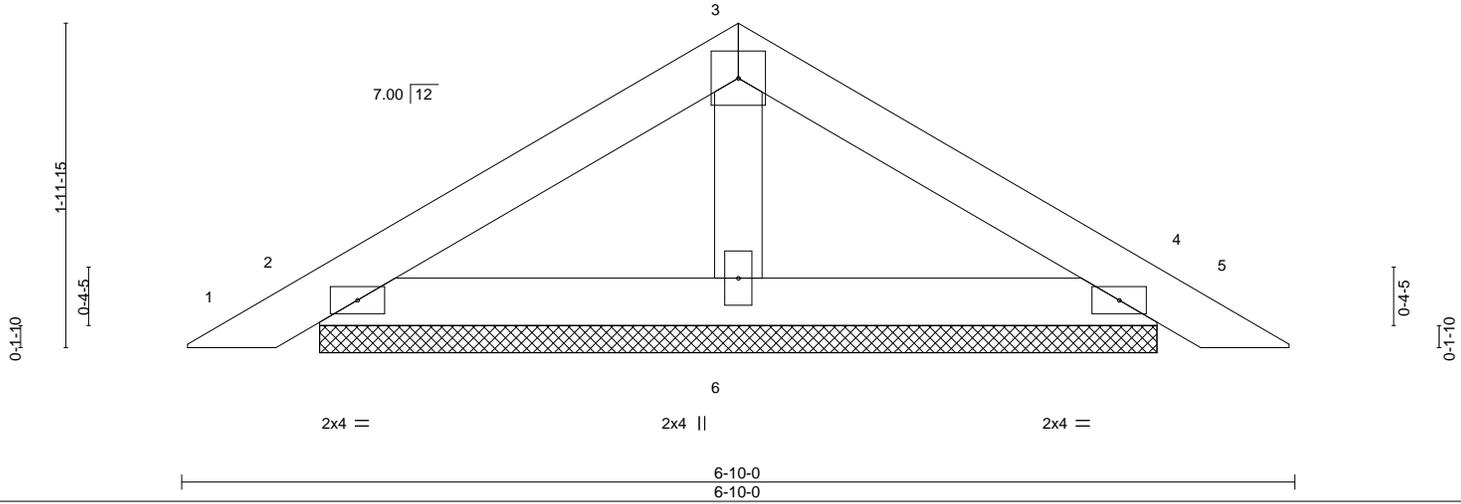
Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:03 2021 Page 1

ID:We8OseewMcDtQL_RCC7W7nyzCKy-c0EMDoxQTffNUriOyLnRD4fGc8q83mJFZnBEkyxUP6



Scale = 1:14.1

4x4 =



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)	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 FBC2020/TPI2014		Matrix-P						Weight: 21 lb	FT = 20%

LUMBER-

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

BRACING-

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

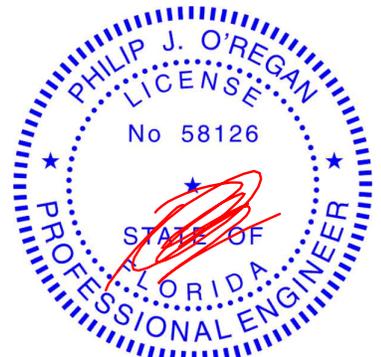
REACTIONS.

(size) 2=5-1-11, 4=5-1-11, 6=5-1-11
 Max Horz 2=40(LC 11)
 Max Uplift 2=-43(LC 12), 4=-48(LC 13), 6=-14(LC 12)
 Max Grav 2=131(LC 1), 4=131(LC 1), 6=177(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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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:

July 15,2021

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

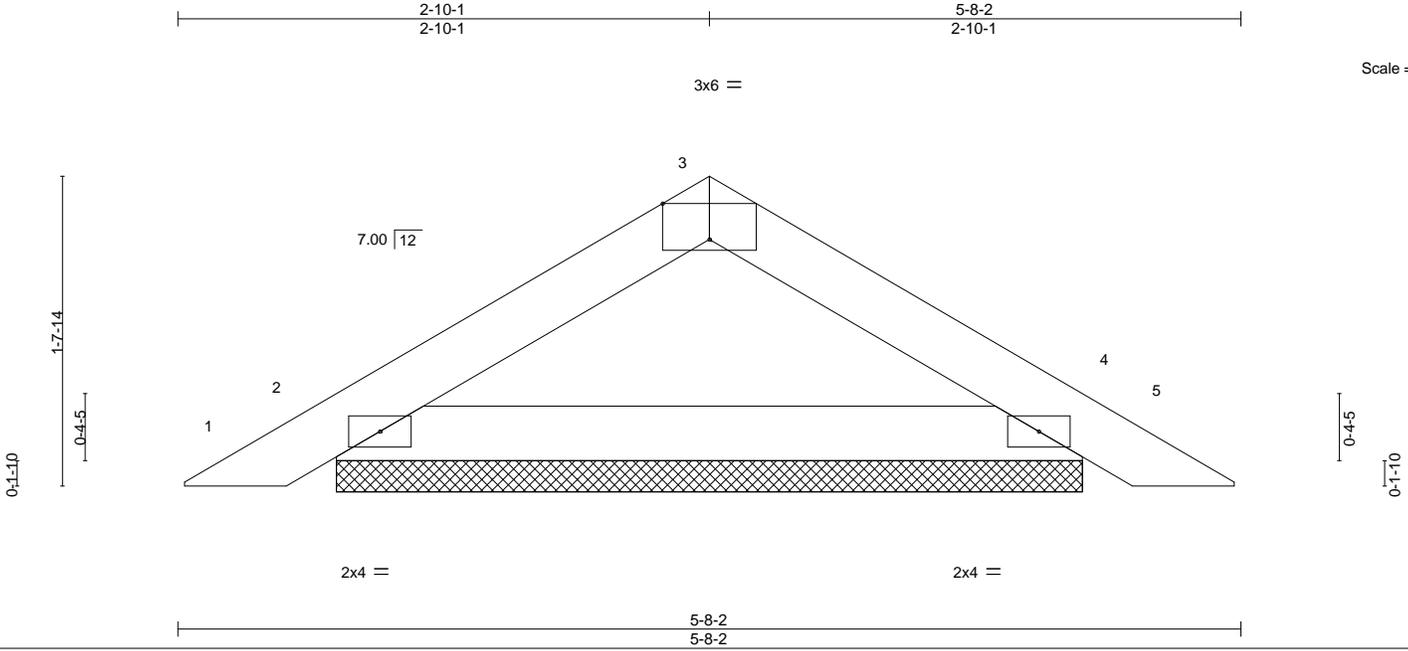


6904 Parke East Blvd.
 Tampa, FL 36610

Job 2868122	Truss PB01G	Truss Type GABLE	Qty 2	Ply 1	CHRISMILL HOMES - TRUJILLO RES. T24688862
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:04 2021 Page 1

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Scale = 1:12.2

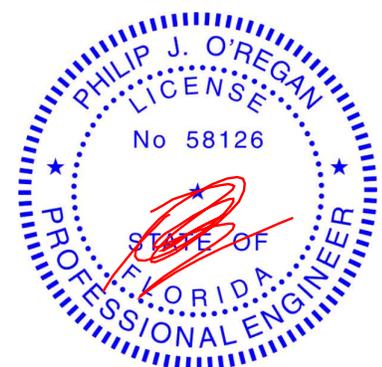
LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	0.00	5	n/r	120	MT20	244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	0.00	5	n/r	120	Weight: 16 lb FT = 20%		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a			
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-P									

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-8-2 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=3-11-13, 4=3-11-13
 Max Horz 2=-33(LC 10)
 Max Uplift 2=-42(LC 12), 4=-42(LC 13)
 Max Grav 2=177(LC 1), 4=177(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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

July 15,2021

Job 2868122	Truss T01	Truss Type Common	Qty 8	Ply 1	CHRISMILL HOMES - TRUJILLO RES. T24688863
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:06 2021 Page 1

ID:We8OseewMcDtQL_RCC7W7nyzCKY-0bwUsqzJma1xLITzeUK8riHivqyrLIOxX0rr3yxuP3



5x6 =

Scale = 1:71.9

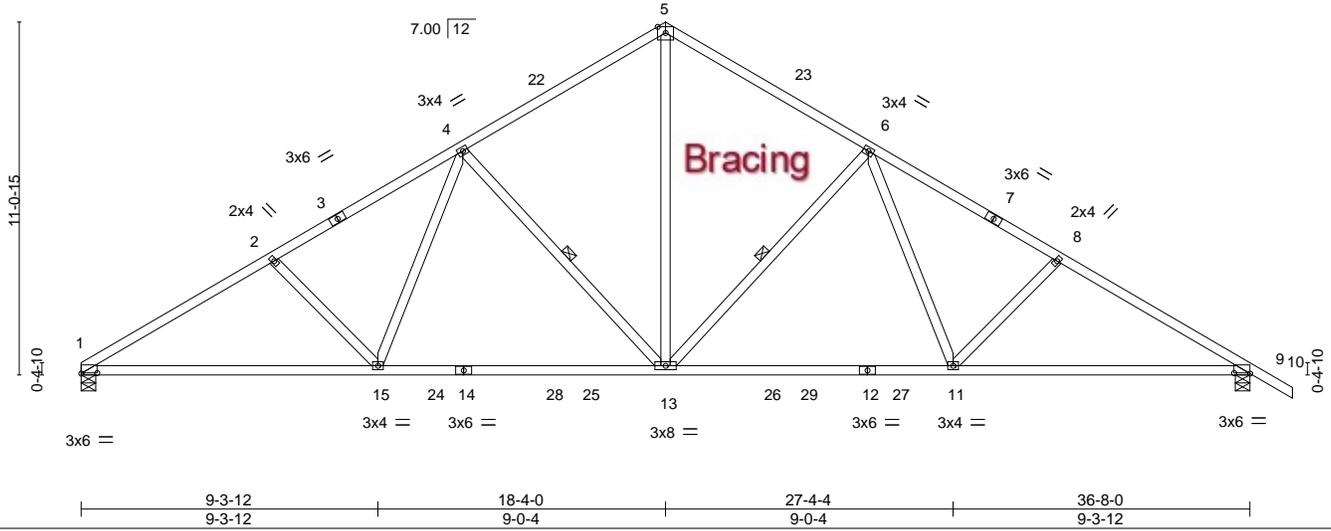


Plate Offsets (X,Y)-- [1:0-6-0,0-0-3], [9:0-6-0,0-0-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.41	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.94	Vert(LL) -0.25 11-13 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.54	Vert(CT) -0.41 11-13 >999 180		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS	Horz(CT) 0.09 9 n/a n/a		
				Weight: 199 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP M 31 *Except*
 12-14: 2x4 SP No.2
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-3-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
 WEBS 1 Row at midpt 6-13, 4-13

REACTIONS.

(size) 1=0-5-8, 9=0-5-8
 Max Horz 1=-247(LC 8)
 Max Uplift 1=-275(LC 12), 9=-304(LC 13)
 Max Grav 1=1572(LC 19), 9=1640(LC 20)

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

TOP CHORD 1-2=-2601/469, 2-4=-2418/450, 4-5=-1655/379, 5-6=-1656/378, 6-8=-2410/445,
 8-9=-2592/464
 BOT CHORD 1-15=-483/2386, 13-15=-314/1940, 11-13=-193/1805, 9-11=-306/2187
 WEBS 5-13=-242/1311, 6-13=-741/284, 6-11=-93/642, 8-11=-310/192, 4-13=-744/286,
 4-15=-97/650, 2-15=-315/195

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-8-0, Interior(1) 3-8-0 to 18-4-0, Exterior(2R) 18-4-0 to 22-0-0, Interior(1) 22-0-0 to 38-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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) 1=275, 9=304.



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 Date:

July 15, 2021

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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



6904 Parke East Blvd.
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.	T24688864
2868122	T01G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL),

Lake City, FL - 32055,

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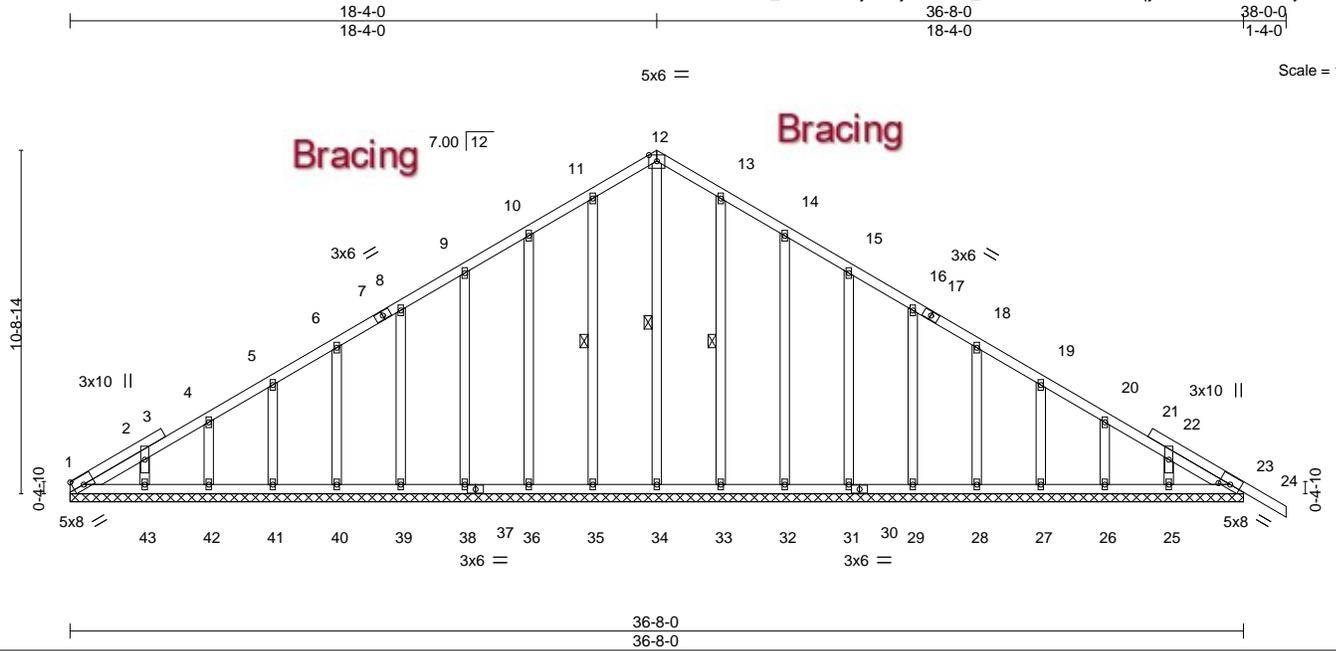


Plate Offsets (X,Y)-- [1:Edge,0-3-4], [23:0-4-1,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.10	Vert(LL) -0.00	24	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.04	Vert(CT) -0.01	24	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.14	Horz(CT) 0.01	23	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 261 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6'-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.
 WEBS 1 Row at midpt 12-34, 11-35, 13-33

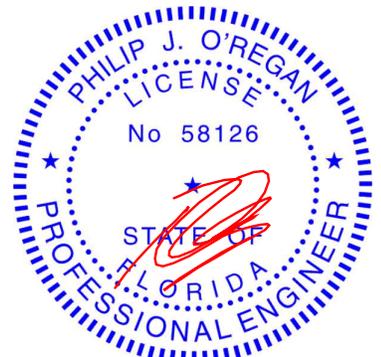
REACTIONS.

All bearings 36-8-0.
 (lb) - Max Horz 1=-240(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 35, 36, 38, 39, 40, 41, 42, 43, 33, 32, 31, 29, 28, 27, 26, 25, 23
 Max Grav All reactions 250 lb or less at joint(s) 1, 34, 35, 36, 38, 39, 40, 41, 42, 43, 33, 32, 31, 29, 28, 27, 26, 25, 23

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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-0-0 to 3-8-0, Exterior(2N) 3-8-0 to 18-4-0, Corner(3R) 18-4-0 to 22-0-0, Exterior(2N) 22-0-0 to 38-0-0 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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) 1, 35, 36, 38, 39, 40, 41, 42, 43, 33, 32, 31, 29, 28, 27, 26, 25, 23.



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

July 15,2021

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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 2868122	Truss T02G	Truss Type Common Supported Gable	Qty 1	Ply 1	CHRISMILL HOMES - TRUJILLO RES. Job Reference (optional)	T24688866
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:11 2021 Page 1

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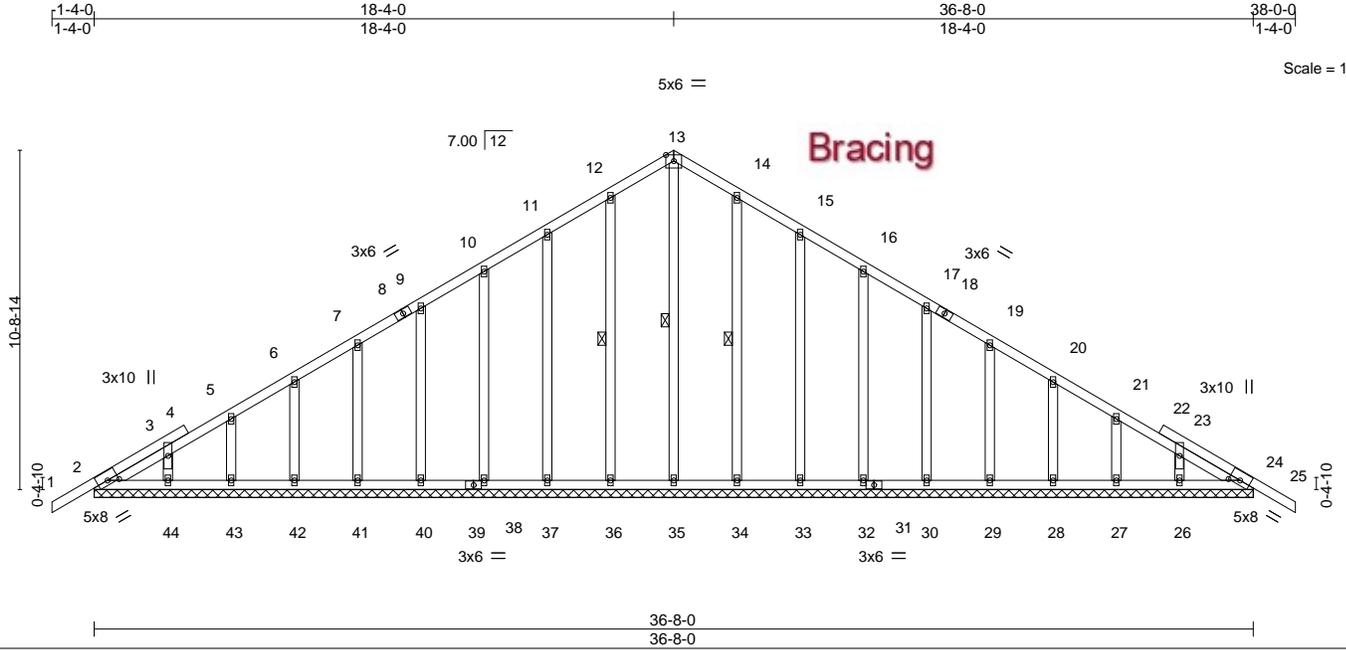


Plate Offsets (X,Y)-- [2:0-4-1,0-1-12], [24:0-4-1,0-1-12]

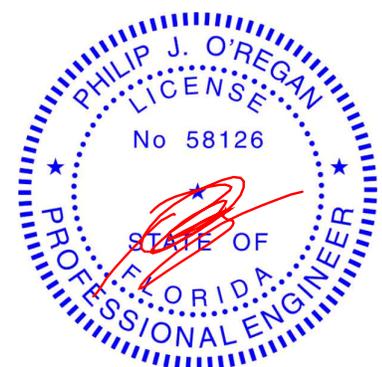
LOADING (psf)	SPACING-	CSI.	DEFL.	VERT.	Horz.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.10	in (loc) l/defl L/d	Vert(LL) -0.00 25 n/r 120	Vert(CT) -0.01 25 n/r 120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.04		Horz(CT) 0.01 24 n/a n/a			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.14					
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					
						Weight: 264 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	WEBS 1 Row at midpt 13-35, 12-36, 14-34

REACTIONS. All bearings 36-8-0.
 (lb) - Max Horz 2=-245(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 36, 37, 38, 40, 41, 42, 43, 44, 34, 33, 32, 30, 29, 28, 27, 26, 24
 Max Grav All reactions 250 lb or less at joint(s) 2, 35, 36, 37, 38, 40, 41, 42, 43, 44, 34, 33, 32, 30, 29, 28, 27, 26, 24

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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-4-0 to 2-4-0, Exterior(2N) 2-4-0 to 18-4-0, Corner(3R) 18-4-0 to 22-0-0, Exterior(2N) 22-0-0 to 38-0-0 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.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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, 36, 37, 38, 40, 41, 42, 43, 44, 34, 33, 32, 30, 29, 28, 27, 26, 24.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



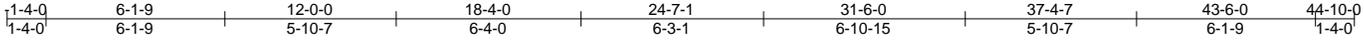
Philip J. O'Regan PE No.58126
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

July 15,2021

Job 2868122	Truss T03G	Truss Type GABLE	Qty 1	Ply 1	CHRISMILL HOMES - TRUJILLO RES. T24688867
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:13 2021 Page 1

ID: We8OseewMcDiQL_RCC7W7nyzCKy-Jxr8KD2i6kvvhNVJYSyndB4tCeM7UQmnY7Cja9yxuOy



Scale = 1:78.6

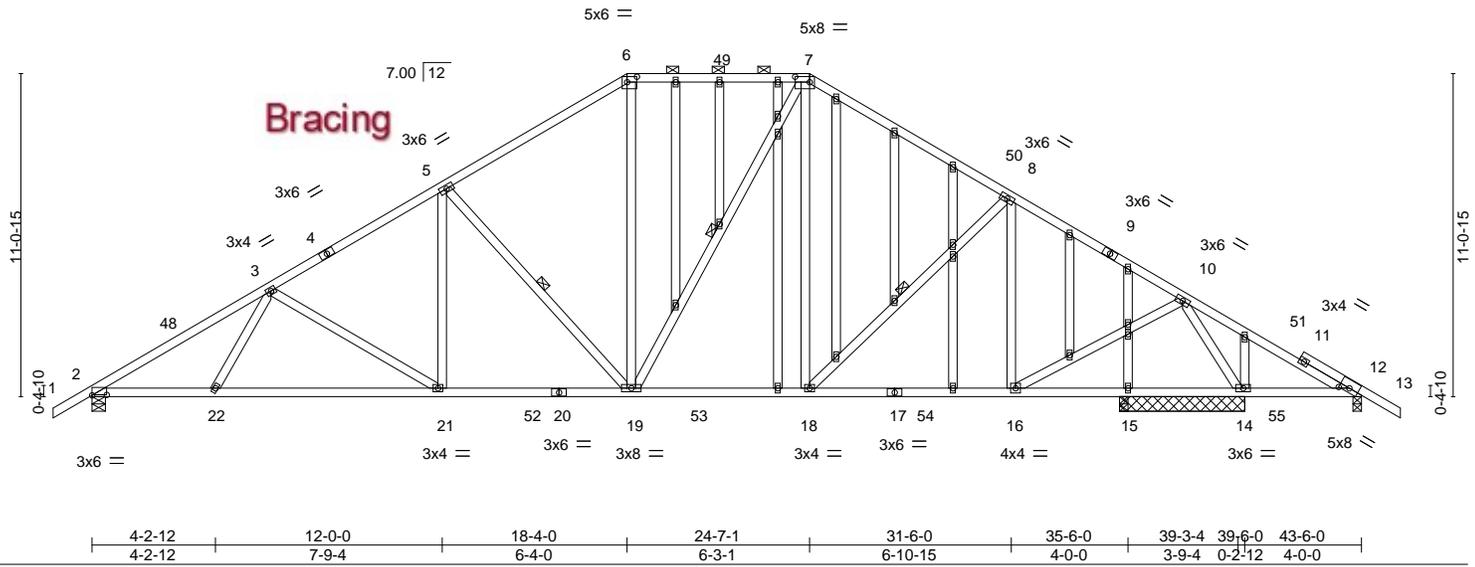


Plate Offsets (X,Y)--	[2:0-6-0,0-0-3], [6:0-4-0,0-2-4], [7:0-6-0,0-2-4], [12:0-4-1,0-1-12], [27:0-0-1,0-0-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.58	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.84	Vert(LL) -0.17 21-22 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.76	Vert(CT) -0.33 21-22 >999 180		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS	Horz(CT) 0.09 14 n/a n/a		
				Weight: 357 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins, except 2-0-0 oc purlins (4-3-8 max.): 6-7.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 7-19: 2x4 SP No.2	WEBS 1 Row at midpt 5-19, 7-19, 8-18
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 4-3-8 except (jt=length) 2=0-5-8, 12=0-3-8.
 (lb) - Max Horz 2=-254(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) except 2=-333(LC 12), 14=-438(LC 13), 12=-280(LC 19)
 Max Grav All reactions 250 lb or less at joint(s) 15, 15, 12 except 2=-1659(LC 19), 14=-2177(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2786/503, 3-5=-2237/458, 5-6=-1702/399, 6-7=-1410/392, 7-8=-1589/356,
 8-10=-1557/332, 10-12=-206/1070
 BOT CHORD 2-22=-509/2520, 21-22=-522/2396, 19-21=-354/2006, 18-19=-105/1307, 16-18=-119/1294,
 15-16=-16/346, 14-15=-16/346, 12-14=-878/247
 WEBS 3-22=0/289, 3-21=-459/199, 5-21=-57/546, 5-19=-819/271, 6-19=-98/591,
 7-19=-135/326, 7-18=-76/373, 8-16=-366/104, 10-16=-127/1088, 10-14=-2368/510

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 3-0-3, Interior(1) 3-0-3 to 18-4-0, Exterior(2E) 18-4-0 to 24-7-1, Exterior(2R) 24-7-1 to 30-8-14, Interior(1) 30-8-14 to 44-10-0 zone; porch 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.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 333 lb uplift at joint 2, 438 lb uplift at joint 14 and 280 lb uplift at joint 12.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

July 15, 2021

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 ANSITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

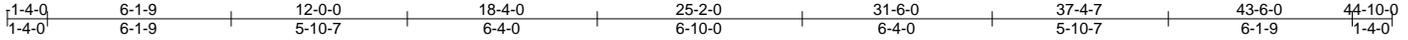
6904 Parke East Blvd.
 Tampa, FL 33610

Job 2868122	Truss T04	Truss Type Piggyback Base	Qty 9	Ply 1	CHRISMILL HOMES - TRUJILLO RES. Job Reference (optional)	T24688868
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:14 2021 Page 1

ID:We8OseewMcDtQL_RCC7W7nyzCKy-n7OWXZ3Kt21pIX4V69U0AOd_K2iODs_xnnyG6byxuOx



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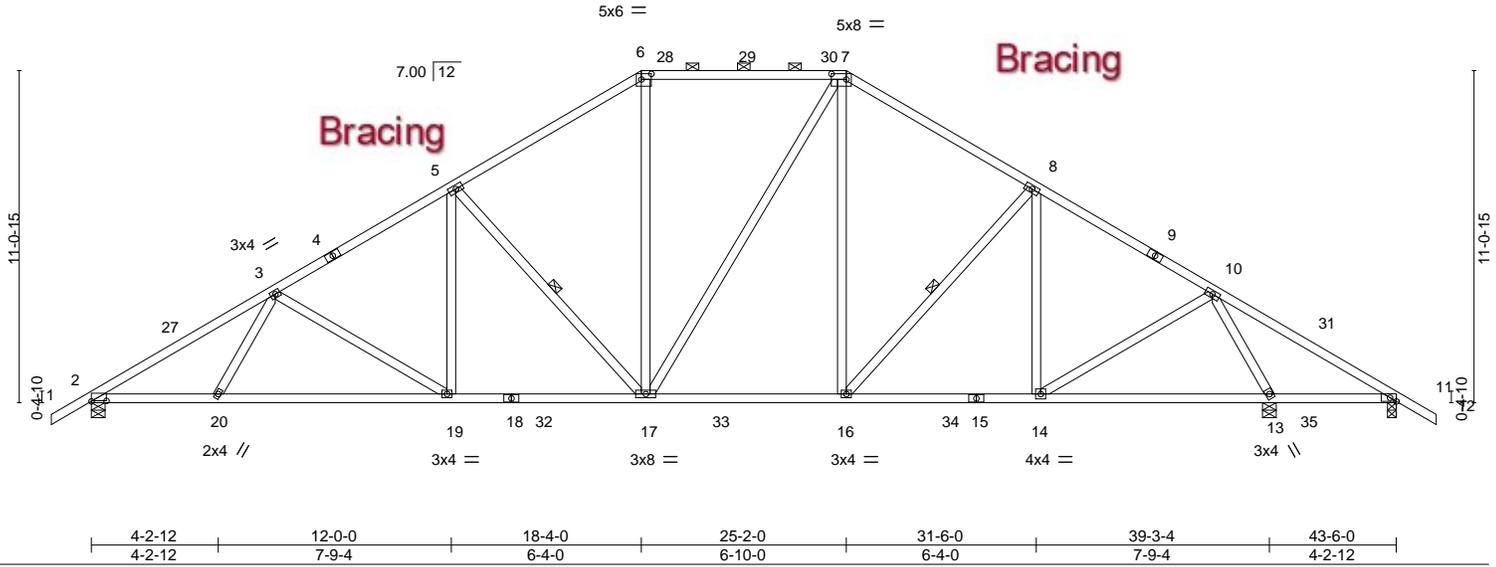


Plate Offsets (X,Y)-- [2:0-6-0,0-0-3], [6:0-4-0,0-2-4], [7:0-6-0,0-2-4], [11:0-2-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.74	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.83	Vert(LL) -0.17 19-20 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.82	Vert(CT) -0.34 19-20 >999 180		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS	Horz(CT) 0.10 13 n/a n/a		
				Weight: 272 lb	FT = 20%

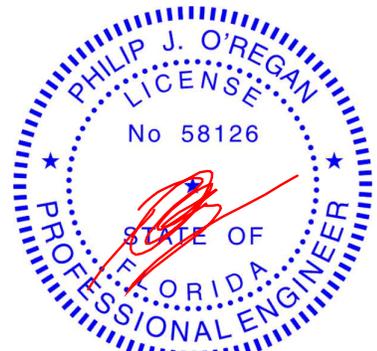
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except*
 7-17: 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-3-13 oc purlins, except 2-0-0 oc purlins (3-8-11 max.): 6-7.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-17, 8-16

REACTIONS. (size) 2=0-5-8, 13=0-5-8, 11=0-3-8
 Max Horz 2=-253(LC 10)
 Max Uplift 2=-336(LC 12), 13=-354(LC 13), 11=-312(LC 25)
 Max Grav 2=1669(LC 19), 13=2317(LC 2), 11=38(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2806/508, 3-5=-2263/464, 5-6=-1733/404, 6-7=-1438/397, 7-8=-1586/368, 8-10=-1565/343, 10-11=-127/925
 BOT CHORD 2-20=-514/2537, 19-20=-527/2412, 17-19=-358/2021, 16-17=-102/1308, 14-16=-110/1295, 13-14=-61/383, 11-13=-732/146
 WEBS 3-20=0/291, 3-19=-460/199, 5-19=-58/540, 5-17=-813/271, 6-17=-93/591, 7-17=-139/348, 7-16=-83/362, 8-14=-340/102, 10-14=-103/1090, 10-13=-2304/417

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 3-0-3, Interior(1) 3-0-3 to 18-4-0, Exterior(2R) 18-4-0 to 24-5-13, Interior(1) 24-5-13 to 25-2-0, Exterior(2R) 25-2-0 to 31-6-0, Interior(1) 31-6-0 to 44-10-0 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 3x6 MT20 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 336 lb uplift at joint 2, 354 lb uplift at joint 13 and 312 lb uplift at joint 11.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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 Date:

July 15, 2021

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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



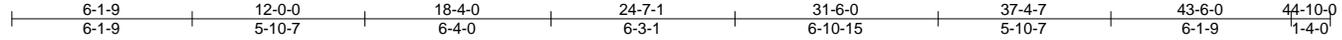
6904 Parke East Blvd.
 Tampa, FL 33610

Job 2868122	Truss T04G	Truss Type GABLE	Qty 1	Ply 1	CHRISMILL HOMES - TRUJILLO RES. Job Reference (optional)	T24688869
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:16 2021 Page 1

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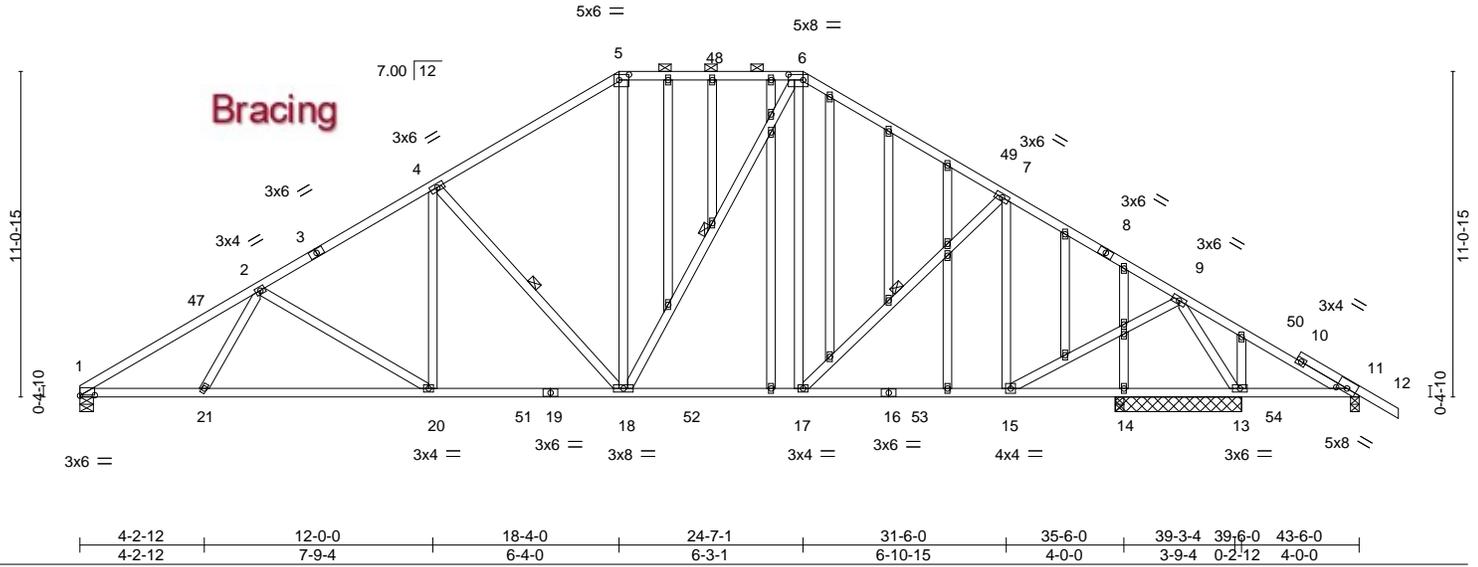


Plate Offsets (X,Y)-- [1:0-6-0,0-0-3], [5:0-4-0,0-2-4], [6:0-6-0,0-2-4], [11:0-4-1,0-1-12], [26:0-0-1,0-0-0]

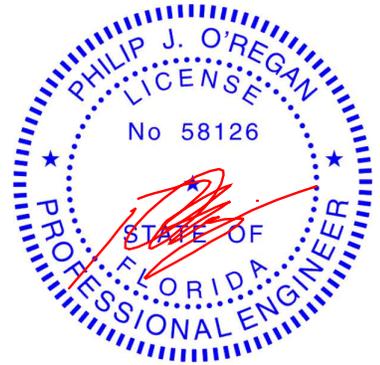
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.58	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.84	Vert(LL) -0.17 20-21 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.76	Vert(CT) -0.33 20-21 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.10 13 n/a n/a		
	Code FBC2020/TPI2014			Weight: 354 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-3-5 oc purlins, except 2-0-0 oc purlins (4-3-8 max.): 5-6.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 6-18: 2x4 SP No.2	WEBS 1 Row at midpt 4-18, 6-18, 7-17
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 4-3-8 except (jt=length) 1=0-5-8, 11=0-3-8.
 (lb) - Max Horz 1=248(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) except 1=304(LC 12), 13=438(LC 13), 11=281(LC 19)
 Max Grav All reactions 250 lb or less at joint(s) 14, 14, 11 except 1=1592(LC 19), 13=2179(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=2805/514, 2-4=2242/461, 4-5=1704/400, 5-6=1412/393, 6-7=1590/356,
 7-9=1559/332, 9-11=206/1070
 BOT CHORD 1-21=519/2538, 20-21=530/2409, 18-20=356/2010, 17-18=106/1309, 15-17=120/1295,
 14-15=16/346, 13-14=16/346, 11-13=879/247
 WEBS 2-21=0/292, 2-20=469/204, 4-20=60/550, 4-18=822/272, 5-18=98/592,
 6-18=136/327, 6-17=76/373, 7-15=366/104, 9-15=128/1089, 9-13=2370/510

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 4-4-3, Interior(1) 4-4-3 to 18-4-0, Exterior(2E) 18-4-0 to 24-7-1, Exterior(2R) 24-7-1 to 30-8-14, Interior(1) 30-8-14 to 44-10-0 zone; porch 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.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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 304 lb uplift at joint 1, 438 lb uplift at joint 13 and 281 lb uplift at joint 11.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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 Date:

July 15, 2021

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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 ANSITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

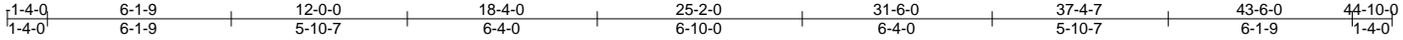


Job 2868122	Truss T05	Truss Type Piggyback Base	Qty 4	Ply 1	CHRISMILL HOMES - TRUJILLO RES. T24688870
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:17 2021 Page 1

ID: We8OseewMcDtQL_RCC7W7nyzCKy-Bi4e9a5CAzQO9_p4n1jo1FV0FmVQEvnTIAxjwyxuOu



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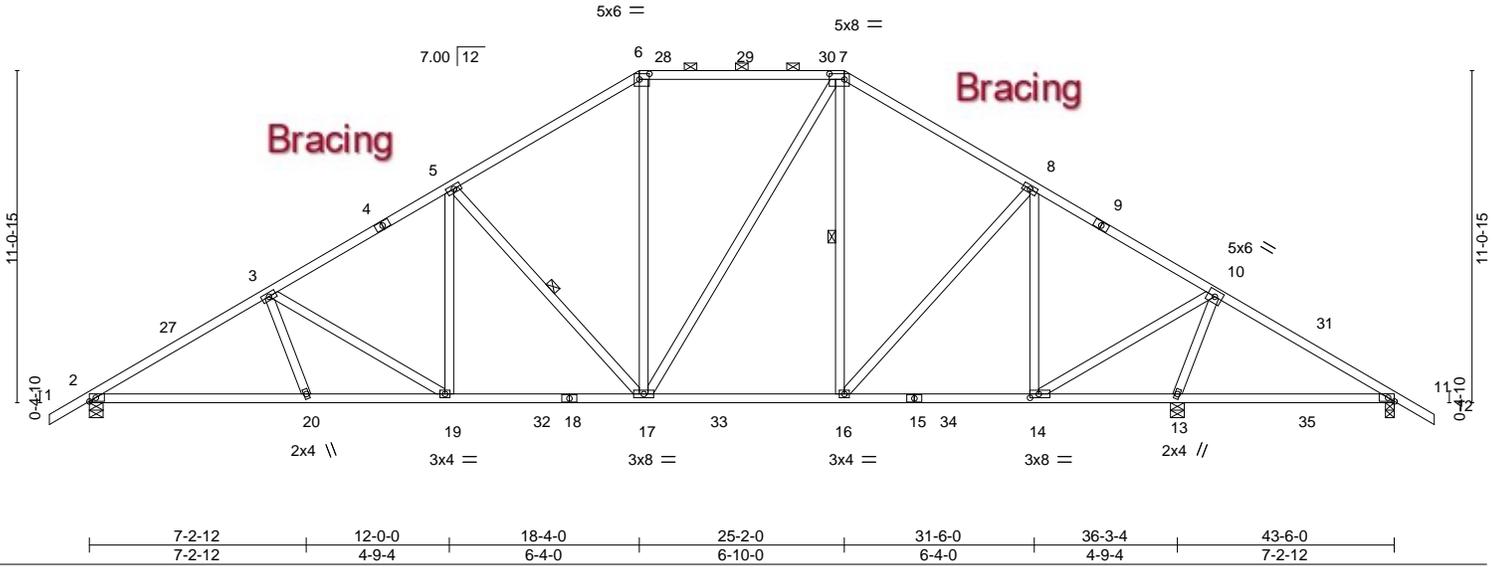


Plate Offsets (X,Y)--	[6:0-4-0,0-2-4], [7:0-6-0,0-2-4], [11:0-2-8,Edge], [14:0-3-8,0-1-8]
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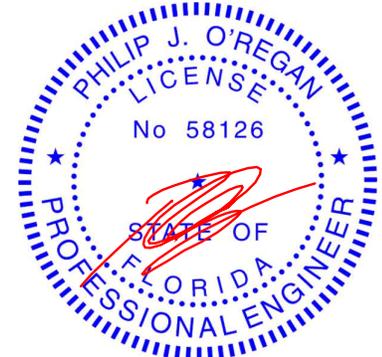
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.71	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.74	Vert(LL) 0.11 13-26 >822 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.68	Vert(CT) -0.26 17-19 >999 180		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS	Horz(CT) 0.07 13 n/a n/a		
				Weight: 271 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-1 oc purlins, except
BOT CHORD 2x4 SP No.2	2-0-0 oc purlins (4-1-7 max.); 6-7.
WEBS 2x4 SP No.3 *Except* 7-17: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
	WEBS 1 Row at midpt 5-17, 7-16

REACTIONS. (size) 2=0-5-8, 13=0-5-8, 11=0-3-8
 Max Horz 2=-253(LC 10)
 Max Uplift 2=-319(LC 12), 13=-318(LC 13), 11=-112(LC 8)
 Max Grav 2=1563(LC 19), 13=1976(LC 2), 11=285(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2466/489, 3-5=-2038/431, 5-6=-1517/370, 6-7=-1251/367, 7-8=-1293/316,
 8-10=-988/244, 10-11=-79/256
 BOT CHORD 2-20=-498/2265, 19-20=-488/2343, 17-19=-331/1831, 16-17=-82/1055, 14-16=-44/793,
 13-14=-738/179
 WEBS 3-20=0/259, 3-19=-596/182, 5-19=-59/521, 5-17=-794/275, 6-17=-74/484,
 7-17=-160/465, 8-16=-123/438, 8-14=-708/162, 10-14=-249/1774, 10-13=-1839/362

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 3-0-3, Interior(1) 3-0-3 to 18-4-0, Exterior(2R) 18-4-0 to 24-5-13, Interior(1) 24-5-13 to 25-2-0, Exterior(2R) 25-2-0 to 31-6-0, Interior(1) 31-6-0 to 44-10-0 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are 3x6 MT20 unless otherwise indicated.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 319 lb uplift at joint 2, 318 lb uplift at joint 13 and 112 lb uplift at joint 11.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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 Date:

July 15, 2021

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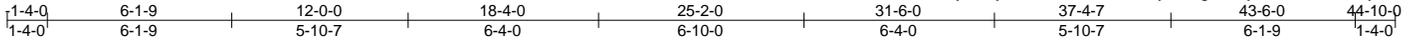
6904 Parke East Blvd.
 Tampa, FL 33610

Job 2868122	Truss T06	Truss Type PIGGYBACK BASE	Qty 2	Ply 1	CHRISMILL HOMES - TRUJILLO RES. T24688871
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Builders FirstSource, Lake City, FL 32055

8.430 s Dec 17 2020 MiTek Industries, Inc. Thu Jul 15 09:41:20 2021 Page 1

ID:We8OseewMcDtQL_RCC7W7nyzCKy-n7?iMnYBm8r2_le?yRBKgrRelJlywOi3?WADx?4yxtBz



Scale = 1:76.3

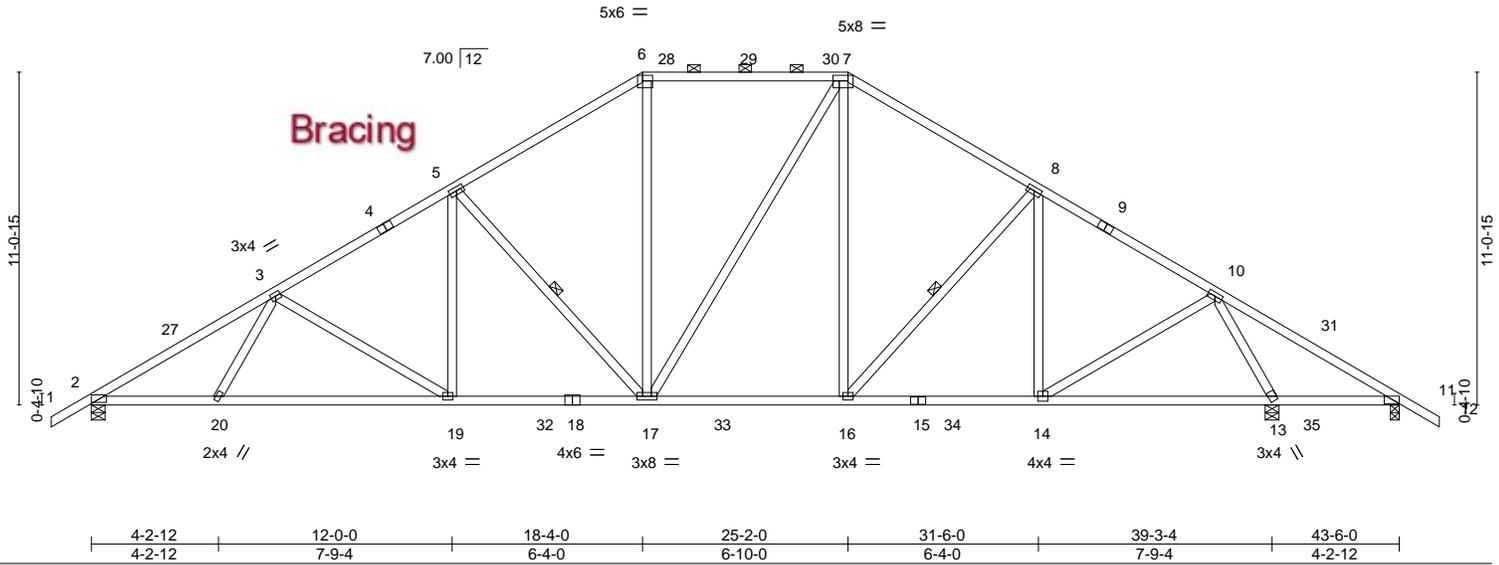


Plate Offsets (X,Y)-- [2:0-6-0,0-0-7], [6:0-4-0,0-2-4], [7:0-6-0,0-2-4], [11:0-2-8,Edge]

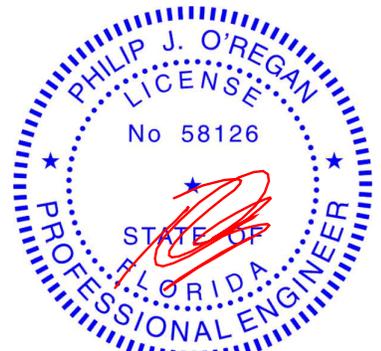
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.99	Vert(LL) -0.17	19-20	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.83	Vert(CT) -0.32	19-20	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.91	Horz(CT) 0.09	13	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 272 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-13 oc purlins, except
BOT CHORD 2x4 SP M 31 *Except* 15-18: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 9-3-15 oc bracing: 17-19 6-0-0 oc bracing: 11-13.
WEBS 2x4 SP No.3 *Except* 7-17: 2x4 SP No.2	WEBS 1 Row at midpt 5-17, 8-16

REACTIONS. (lb/size) 2=1677/0-5-8, 13=2253/0-5-8, 11=-146/0-3-8
 Max Horz 2=-285(LC 10)
 Max Uplift 2=-378(LC 12), 13=-405(LC 13), 11=-330(LC 25)
 Max Grav 2=1881(LC 19), 13=2579(LC 2), 11=42(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-27=-3160/559, 3-27=-3089/573, 3-4=-2552/496, 4-5=-2420/522, 5-6=-1954/455,
 6-28=-1622/446, 28-29=-1622/446, 29-30=-1622/446, 7-30=-1622/446, 7-8=-1791/412,
 8-9=-1641/383, 9-10=-1773/357, 10-31=-128/981, 11-31=-140/903
 BOT CHORD 2-20=-579/2857, 19-20=-592/2718, 19-32=-403/2279, 18-32=-403/2279, 17-18=-403/2279,
 17-33=-115/1477, 16-33=-115/1477, 15-16=-124/1469, 15-34=-124/1469,
 14-34=-124/1469, 13-14=-62/452, 13-35=-776/164, 11-35=-776/164
 WEBS 3-20=0/323, 3-19=-517/223, 5-19=-65/608, 5-17=-915/304, 6-17=-104/667,
 7-17=-157/389, 7-16=-92/413, 8-14=-375/115, 10-14=-115/1206, 10-13=-2552/472

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 3-0-3, Interior(1) 3-0-3 to 18-4-0, Exterior(2R) 18-4-0 to 24-5-13, Interior(1) 24-5-13 to 25-2-0, Exterior(2R) 25-2-0 to 31-6-0, Interior(1) 31-6-0 to 44-10-0 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 3x6 MT20 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 378 lb uplift at joint 2, 405 lb uplift at joint 13 and 330 lb uplift at joint 11.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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 MiTek USA, Inc. FL Cert 6634
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 Date:

July 15, 2021

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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



6904 Parke East Blvd.
 Tampa, FL 33610

Job 2868122	Truss T07	Truss Type Common	Qty 1	Ply 1	CHRISMILL HOMES - TRUJILLO RES. Job Reference (optional)	T24688872
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:19 2021 Page 1

ID:We8OseewMcDIQL_RCC7W7nyzCKy-85CPaG7Siag5PizTui3BtSKze3WmuEWgx2f1opyxuOs



4x6 ||

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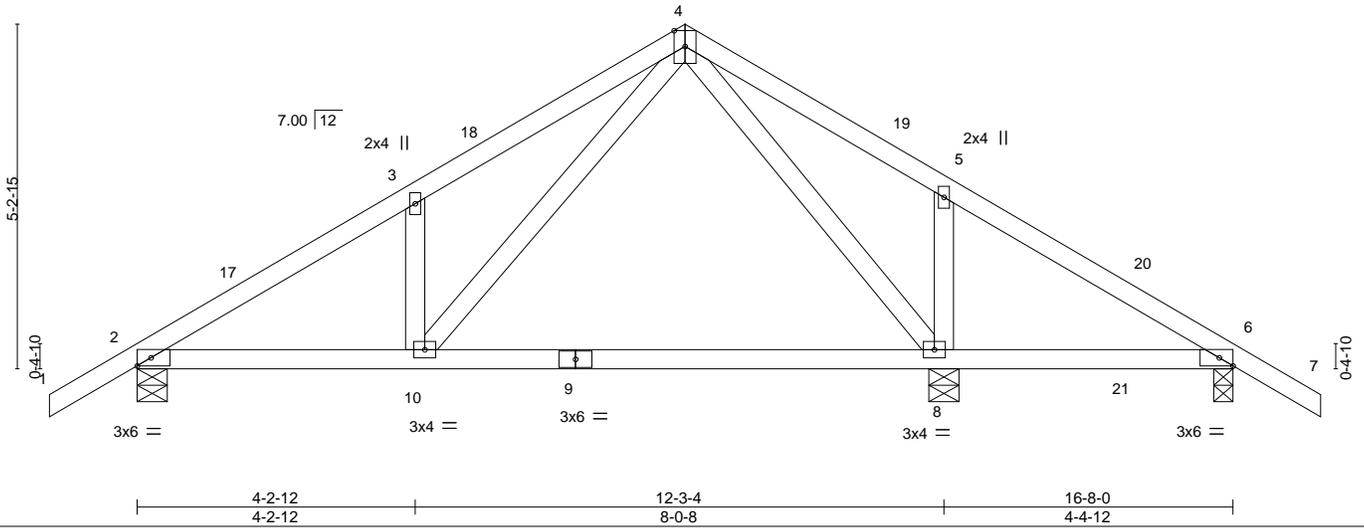


Plate Offsets (X,Y)-- [6:0-2-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.19	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.44	Vert(LL) -0.09 8-10 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.29	Vert(CT) -0.17 8-10 >851 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.01 8 n/a n/a		
	Code FBC2020/TPI2014			Weight: 83 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 2=0-5-8, 8=0-5-8, 6=0-3-8
 Max Horz 2=-124(LC 10)
 Max Uplift 2=-127(LC 12), 8=-123(LC 13), 6=-64(LC 13)
 Max Grav 2=507(LC 1), 8=690(LC 1), 6=194(LC 24)

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

TOP CHORD 2-3=-633/121, 3-4=-644/223
 BOT CHORD 2-10=-116/542
 WEBS 4-10=-169/504, 4-8=-387/84

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 8-4-0, Exterior(2R) 8-4-0 to 11-4-0, Interior(1) 11-4-0 to 18-0-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 127 lb uplift at joint 2, 123 lb uplift at joint 8 and 64 lb uplift at joint 6.



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July 15,2021

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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 33610

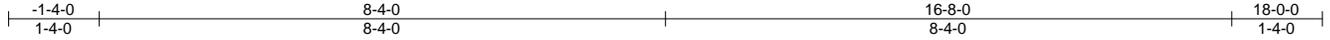
Job 2868122	Truss T07G	Truss Type Common Supported Gable	Qty 1	Ply 1	CHRISMILL HOMES - TRUJILLO RES. Job Reference (optional)	T24688873
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Builders FirstSource (Lake City,FL),

Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:20 2021 Page 1

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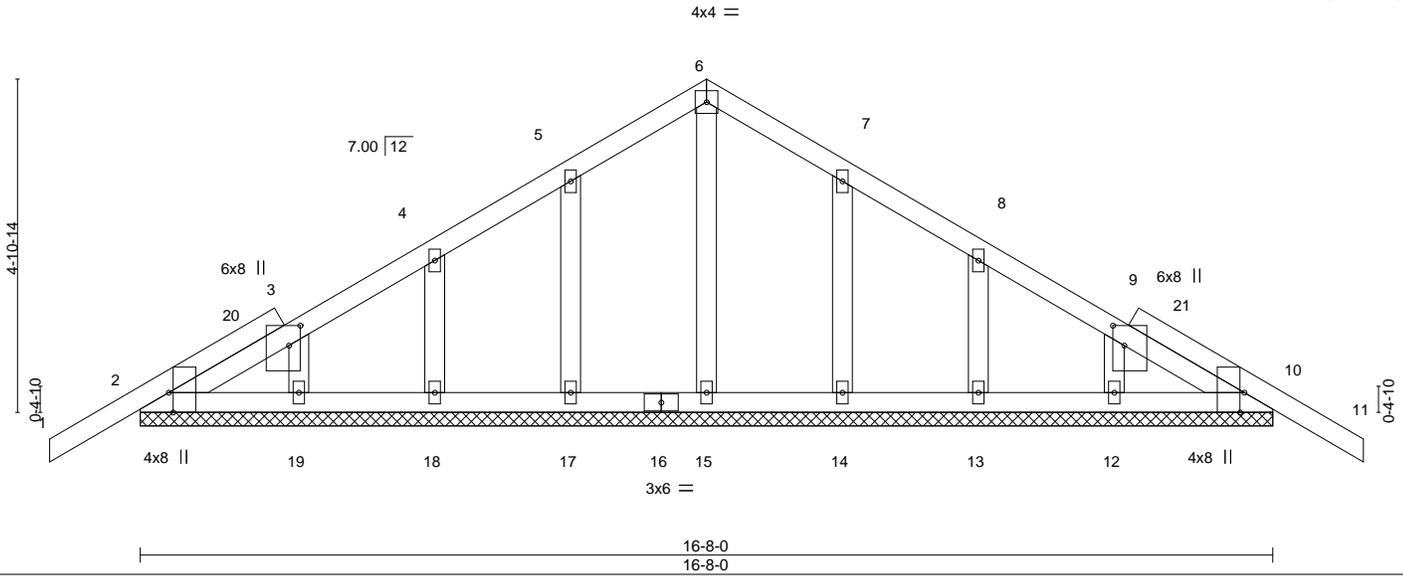


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-3-8,0-2-0], [9:0-3-8,0-2-0], [10:0-3-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.10	Vert(LL) -0.00	11	n/r	120	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.04	Vert(CT) -0.01	11	n/r	120		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.04	Horz(CT) 0.00	10	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 88 lb	FT = 20%
	Code FBC2020/TPI2014							

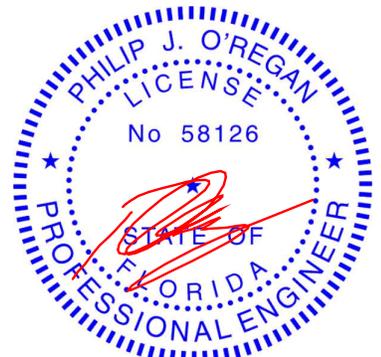
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 16-8-0.
(lb) - Max Horz 2=117(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 17, 18, 19, 14, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 17, 18, 19, 14, 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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 8-4-0, Corner(3R) 8-4-0 to 11-4-0, Exterior(2N) 11-4-0 to 18-0-0 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.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 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, 10, 17, 18, 19, 14, 13, 12.



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Date:

July 15,2021

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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 36610

Job 2868122	Truss T08	Truss Type Common Girder	Qty 1	Ply 2	CHRISMILL HOMES - TRUJILLO RES. Job Reference (optional)	T24688874
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:21 2021 Page 1

ID:We8OseewMcDtQL_RCC7W7nyzCKy-4UK9?y9jDBwpec7r076fytPIPIDsM2RzOM88shyxuOq

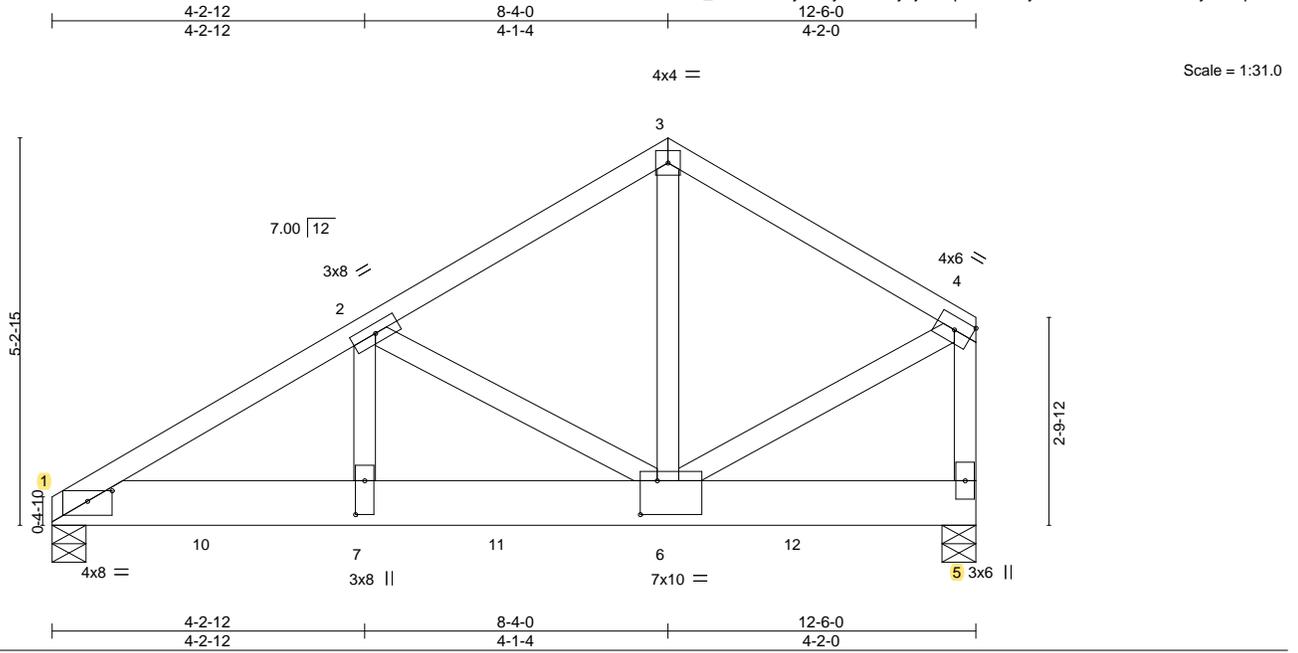


Plate Offsets (X,Y)-- [1:0-4-0,0-1-11], [6:0-2-12,0-5-8], [7:0-5-8,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.31	Vert(LL) -0.06	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.33	Vert(CT) -0.10	6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.65	Horz(CT) 0.02	5	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014	Matrix-MS						
							Weight: 171 lb	FT = 20%

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

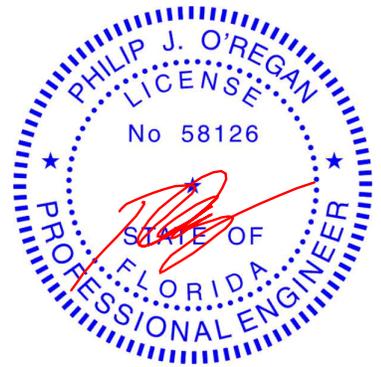
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-5-8, 5=0-5-8
 Max Horz 1=121(LC 27)
 Max Uplift 1=-801(LC 8), 5=-1072(LC 8)
 Max Grav 1=4131(LC 2), 5=5594(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-6674/1294, 2-3=-3474/685, 3-4=-3475/700, 4-5=-3573/708
 BOT CHORD 1-7=-1188/5754, 6-7=-1188/5754
 WEBS 2-7=-552/3057, 2-6=-3229/708, 3-6=-614/3293, 4-6=-658/3397

- 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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=801, 5=1072.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1488 lb down and 295 lb up at 2-0-12, 1488 lb down and 295 lb up at 4-0-12, 1488 lb down and 295 lb up at 6-0-12, 1488 lb down and 295 lb up at 8-0-12, and 1488 lb down and 295 lb up at 10-0-12, and 1495 lb down and 288 lb up at 12-4-4 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



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 Date:

July 15,2021

Continued on page 2

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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/TP1 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 2868122	Truss T08	Truss Type Common Girder	Qty 1	Ply 2	CHRISMILL HOMES - TRUJILLO RES. T24688874 Job Reference (optional)
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:22 2021 Page 2
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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 3-4=-54, 1-5=-20

Concentrated Loads (lb)

Vert: 5=-1342(F) 7=-1335(F) 6=-1335(F) 10=-1335(F) 11=-1335(F) 12=-1335(F)

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2868122	Truss V01	Truss Type GABLE	Qty 1	Ply 1	CHRISMILL HOMES - TRUJILLO RES. Job Reference (optional)	T24688875
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:22 2021 Page 1

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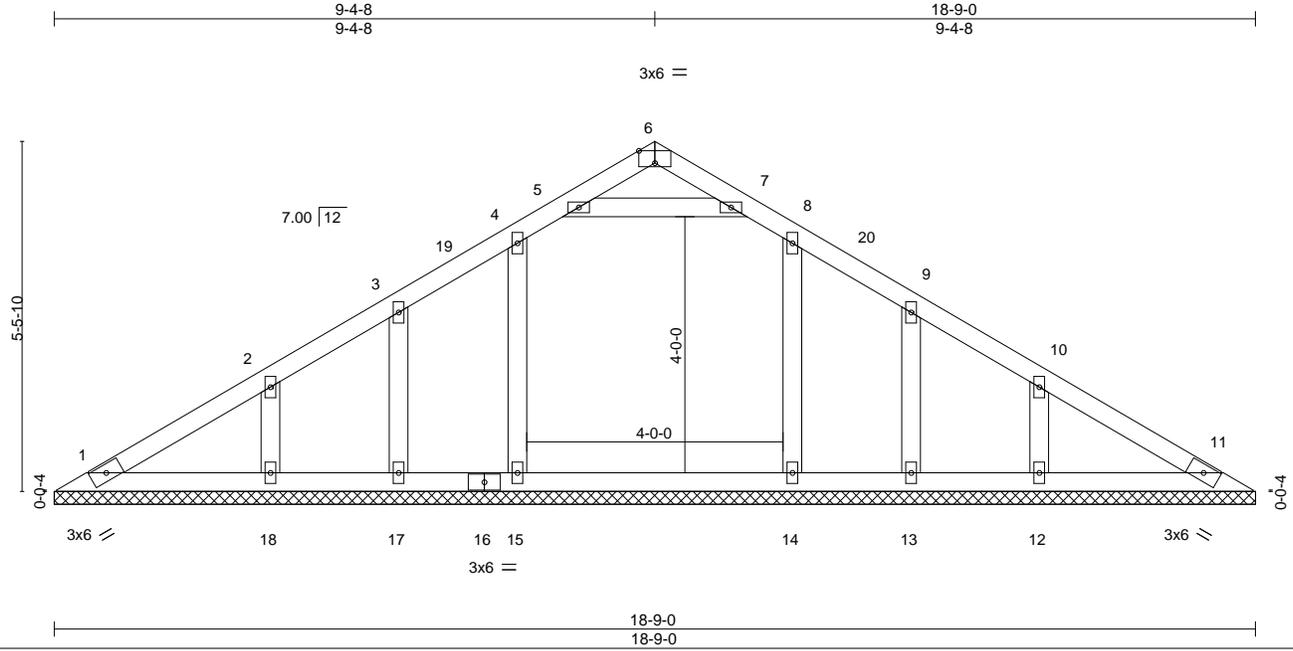


Plate Offsets (X,Y)-- [6:0-3-0,Edge], [8:0-0-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.07	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.16	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.05	Horz(CT)	0.00	11	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						
	Code FBC2020/TPI2014						Weight: 85 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.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

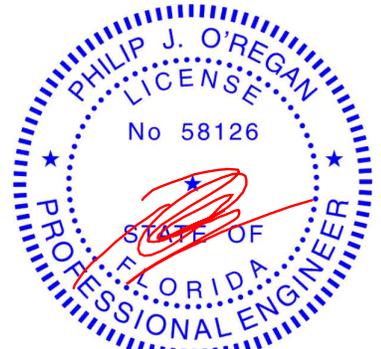
TRUSS DESIGNED FOR WIND LOADS IN THE PLANE OF THE TRUSS ONLY. FOR STUDS EXPOSED TO WIND (NORMAL TO THE FACE), SEE STANDARD INDUSTRY GABLE END DETAILS AS APPLICABLE, OR CONSULT QUALIFIED BUILDING DESIGNER AS PER ANSI/TPI 1.

REACTIONS. All bearings 18-9-0.
 (lb) - Max Horz 1=114(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 15, 14, 17, 18, 13, 12
 Max Grav All reactions 250 lb or less at joint(s) 1, 11, 17, 13 except 15=330(LC 19), 14=313(LC 20), 18=281(LC 19), 12=280(LC 20)

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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 3-4-8, Interior(1) 3-4-8 to 9-4-8, Exterior(2R) 9-4-8 to 12-4-8, Interior(1) 12-4-8 to 18-2-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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, 11, 15, 14, 17, 18, 13, 12.



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 Date:

July 15,2021

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

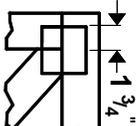
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



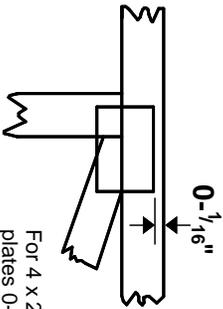
6904 Parke East Blvd.
 Tampa, FL 33610

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



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

* Plate location details available in **MITek 20/20 software** or upon request.

PLATE SIZE

4 X 4

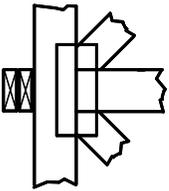
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



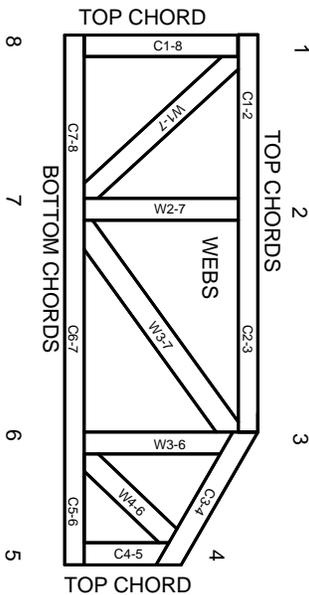
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI 1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing, 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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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 T or I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.



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