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

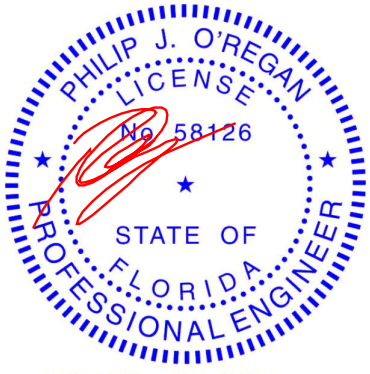
This package includes 15 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

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.

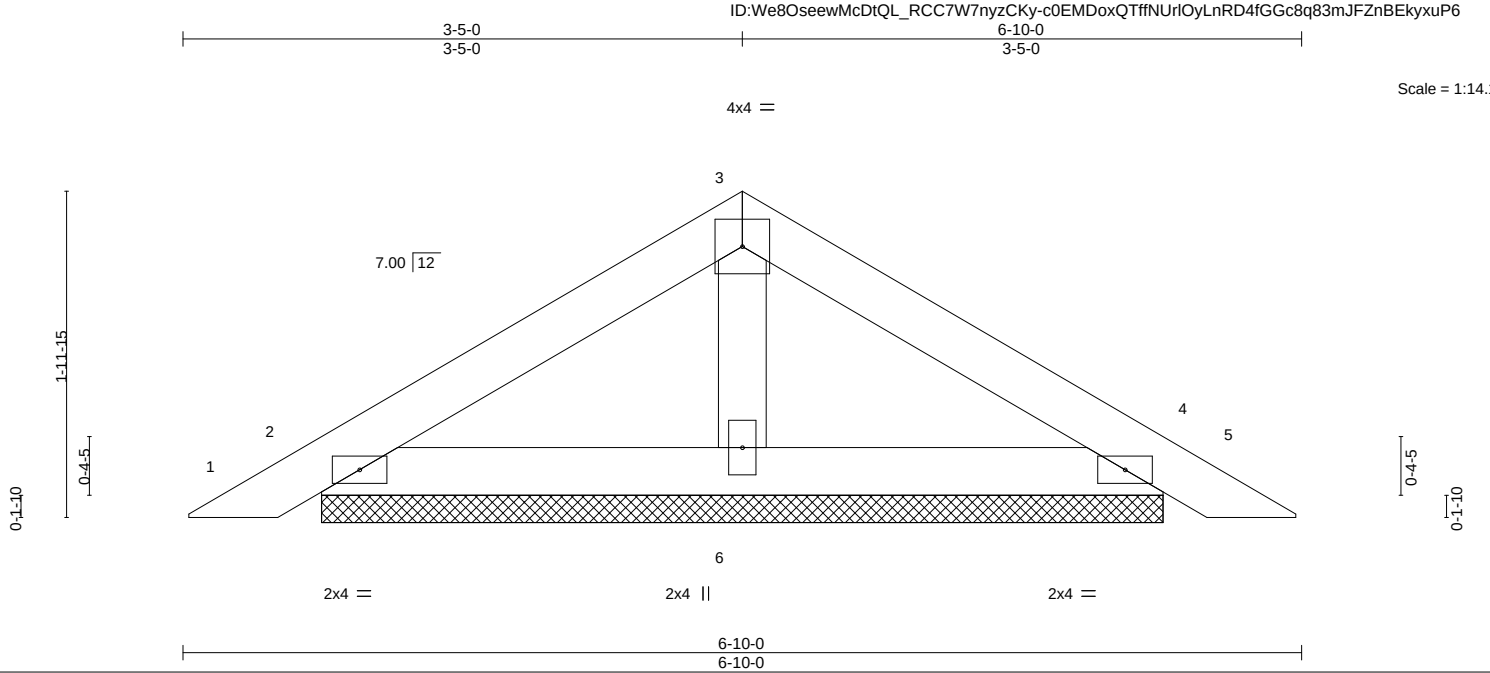


Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

July 15,2021

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.
2868122	PB01	Piggyback	15	1	T24688861
					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-c0EMDoxQTffNUrlOyLnRD4fGGc8q83mJFZnBEkyxuP6



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%

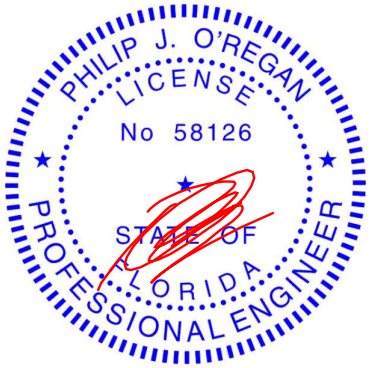
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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-
1) Unbalanced roof live loads have been considered for this design.
2) 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
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) 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) 2, 4, 6.
8) 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

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.
2868122	PB01G	GABLE	2	1	T24688862
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:04 2021 Page 1
ID:We8OseewMcDtQL_RCC7W7nyzCKy-4CokR8x2EznE6?JaW3IgmHCSW0S3tWLTUDXknByxuP5

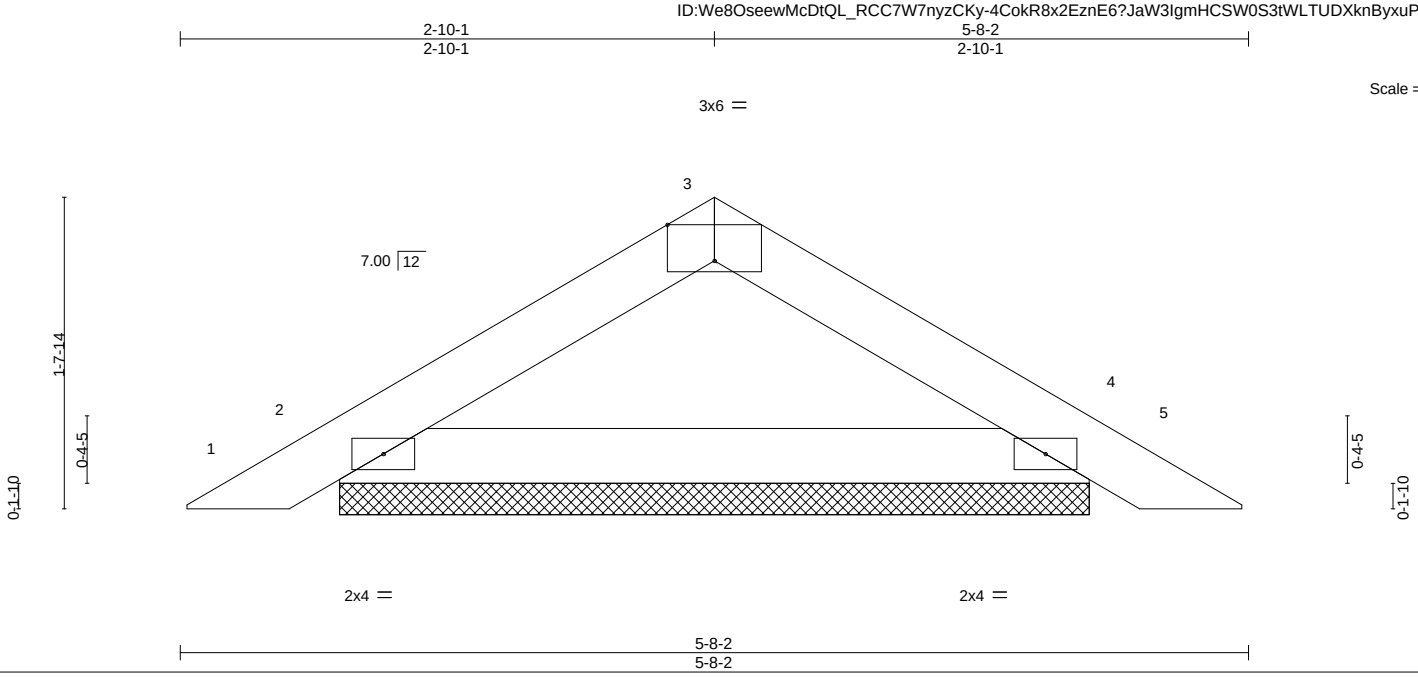


Plate Offsets (X,Y)-- [3:0-3-0,Edge]

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	0.06	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		
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							Weight: 16 lb	FT = 20%

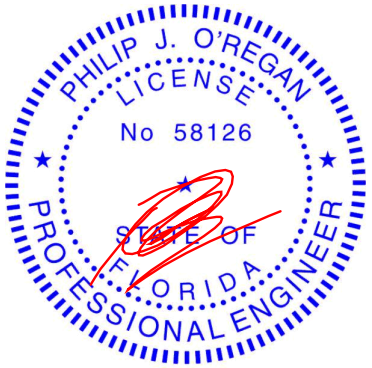
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-2 oc purlins.
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-
1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
10) 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

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.
2868122	T01	Common	8	1	T24688863
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:06 2021 Page 1
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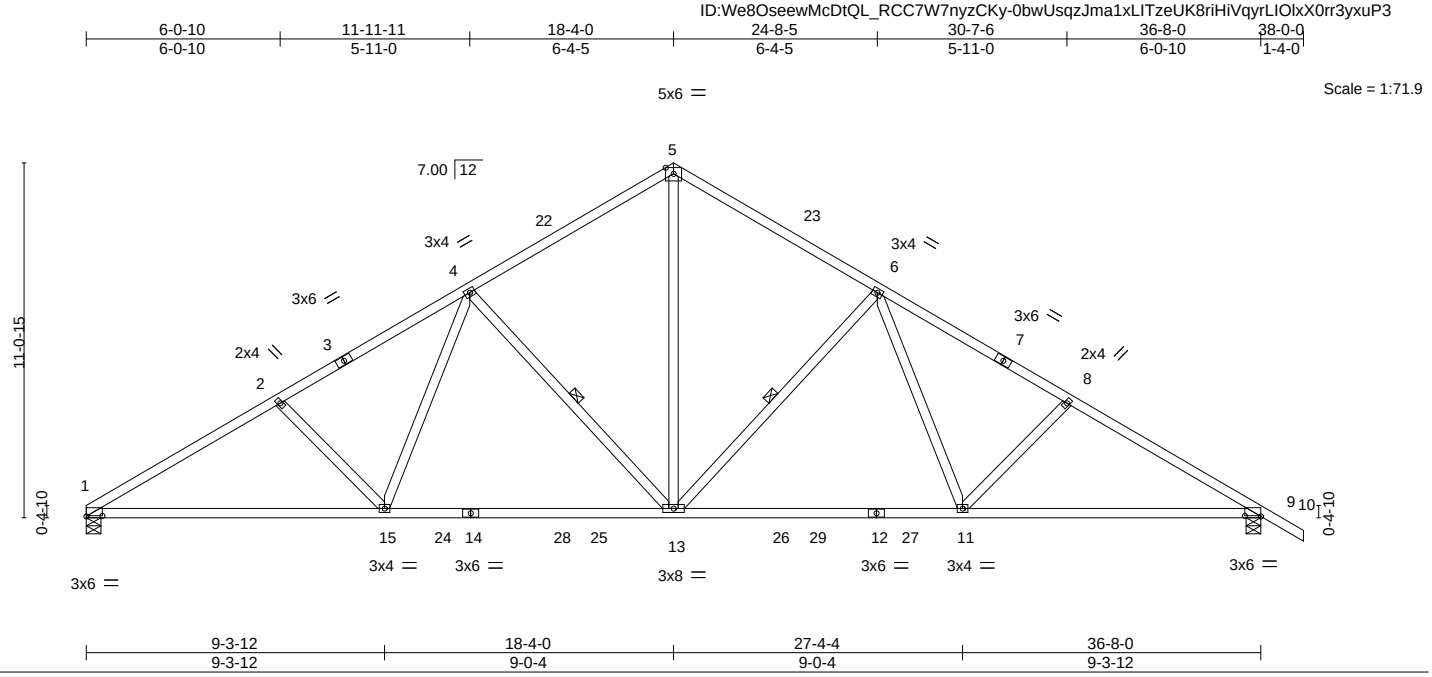


Plate Offsets (X,Y)-- [1:0-6-0,0-0-3], [9:0-6-0,0-0-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.25	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.41	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.09	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 199 lb	FT = 20%

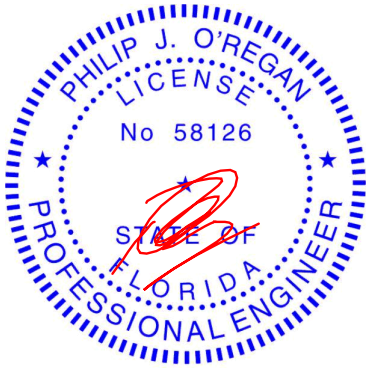
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31 *Except*
12-14: 2x4 SP No.2
WEBS 2x4 SP No.3

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-
1) Unbalanced roof live loads have been considered for this design.
2) 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 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=275, 9=304.



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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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

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

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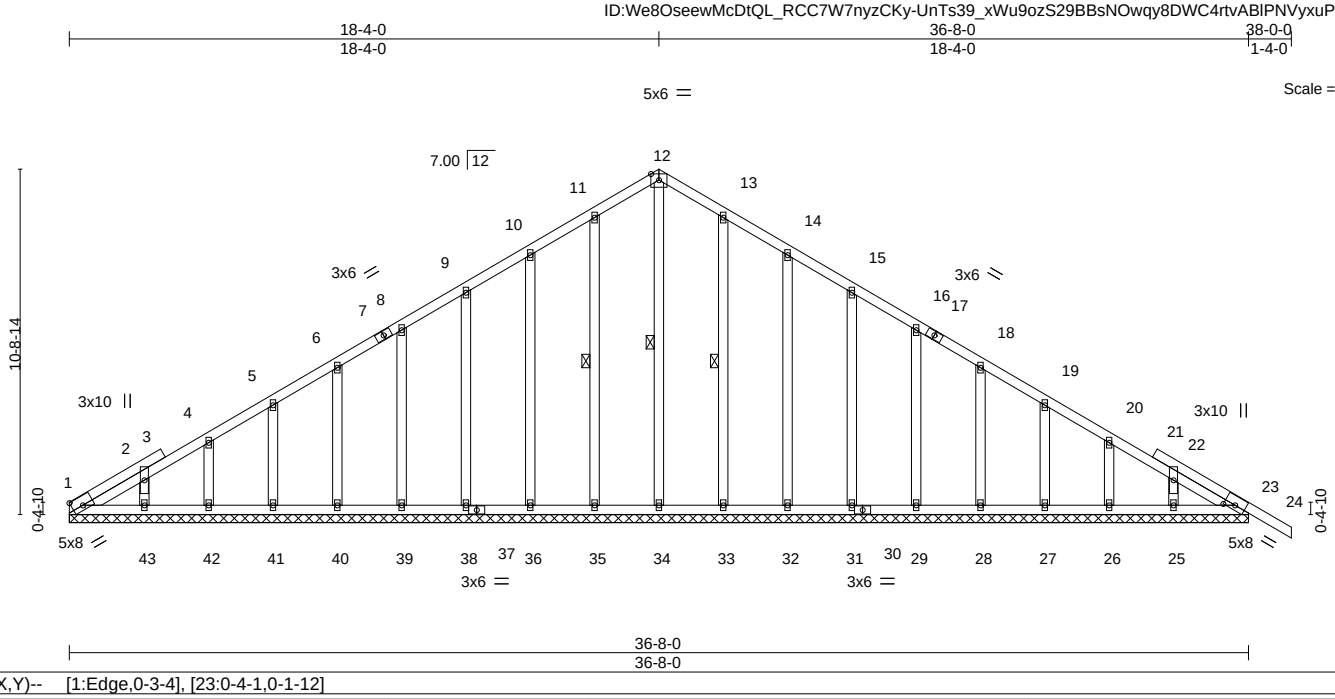


Plate Offsets (X,Y)-- [1:Edge,0-3-4], [23:0-4-1,0-1-12]

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	0.10	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%

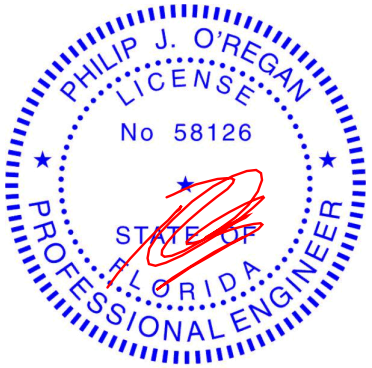
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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-
1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) 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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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.
2868122	T02	Common	5	1	T24688865
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:09 2021 Page 1
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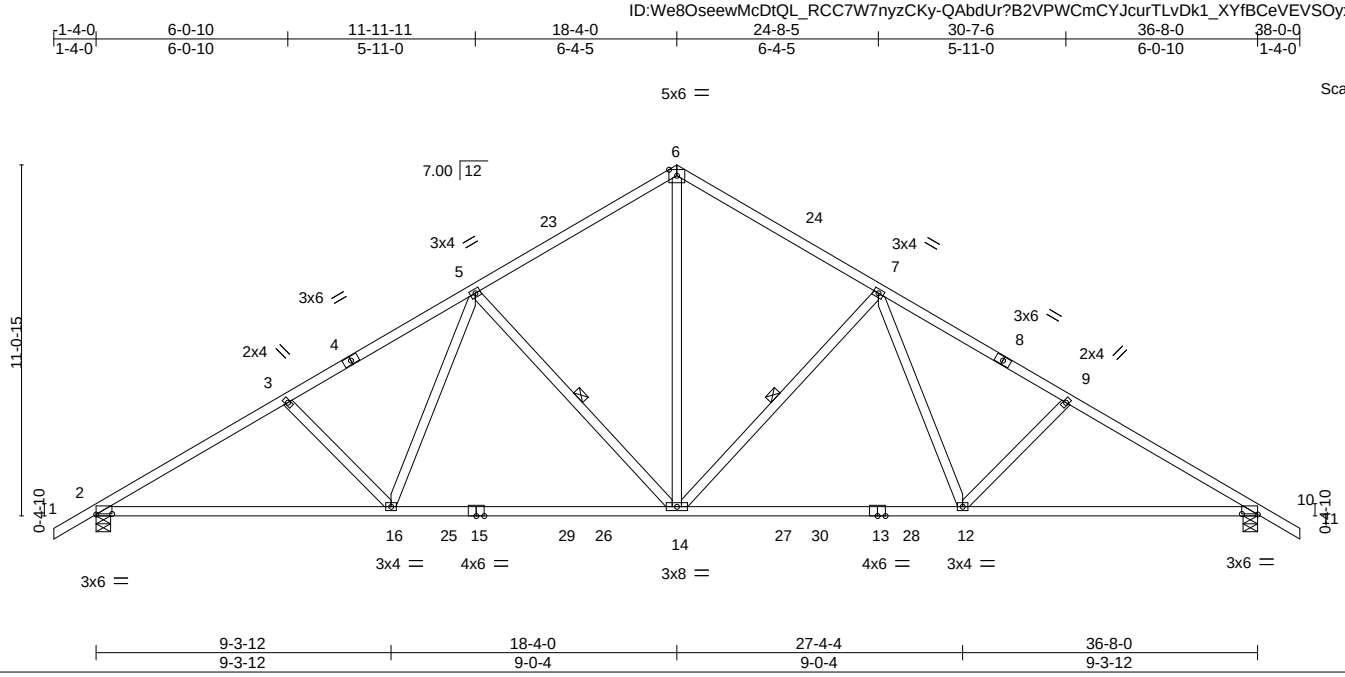


Plate Offsets (X,Y)-- [2:0-6-0,0-0-3], [10:0-6-0,0-0-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.25	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.41	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 201 lb	FT = 20%

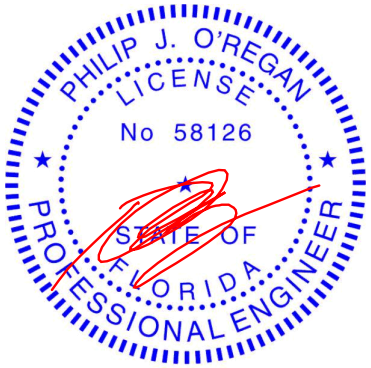
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31 *Except*
13-15: 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 7-14, 5-14

REACTIONS. (size) 2=0-5-8, 10=0-5-8
Max Horz 2=-253(LC 10)
Max Uplift 2=-304(LC 12), 10=-304(LC 13)
Max Grav 2=1639(LC 19), 10=1639(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2590/463, 3-5=-2409/445, 5-6=-1654/377, 6-7=-1654/377, 7-9=-2409/445, 9-10=-2590/464
BOT CHORD 2-16=-476/2375, 14-16=-311/1935, 12-14=-192/1803, 10-12=-306/2186
WEBS 6-14=-240/1309, 7-14=-741/284, 7-12=-93/642, 9-12=-310/192, 5-14=-741/284, 5-16=-93/641, 3-16=-310/192

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 2-4-0, Interior(1) 2-4-0 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 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=304, 10=304.



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Date:

July 15,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.
2868122	T02G	Common Supported Gable	1	1	T24688866
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:11 2021 Page 1
ID:We8OseewMcDtQL_RCC7W7nyzCKy-NYjNvX1Ra7fER3MwQ1wJYm?e7ru90ftV5pjcWHyxuP_

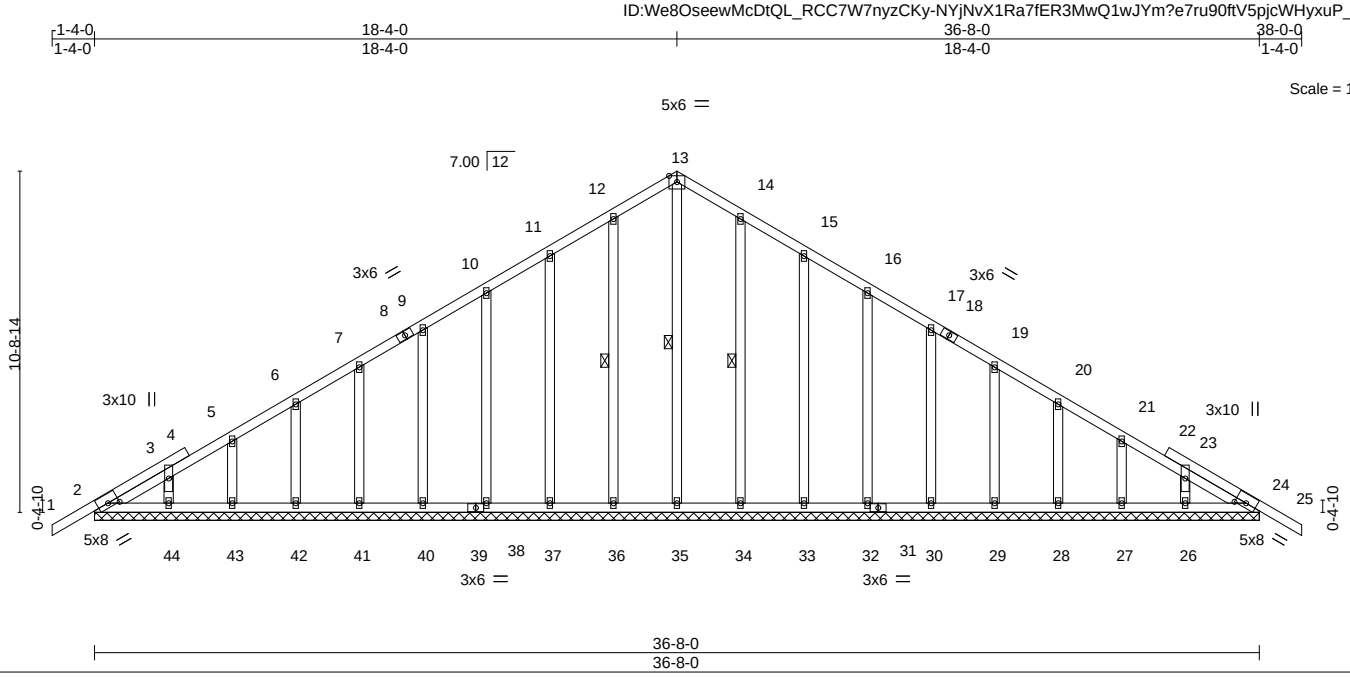


Plate Offsets (X,Y)-- [2:0-4-1,0-1-12], [24:0-4-1,0-1-12]

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	0.10	Vert(LL)	-0.00	25	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	25	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	24	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 264 lb	FT = 20%

LUMBER-

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

BRACING-

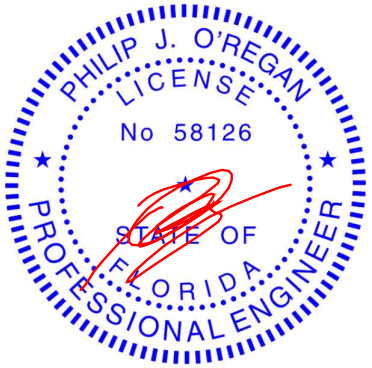
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 13-35, 12-36, 14-34

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-

1) Unbalanced roof live loads have been considered for this design.
2) 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 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) 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.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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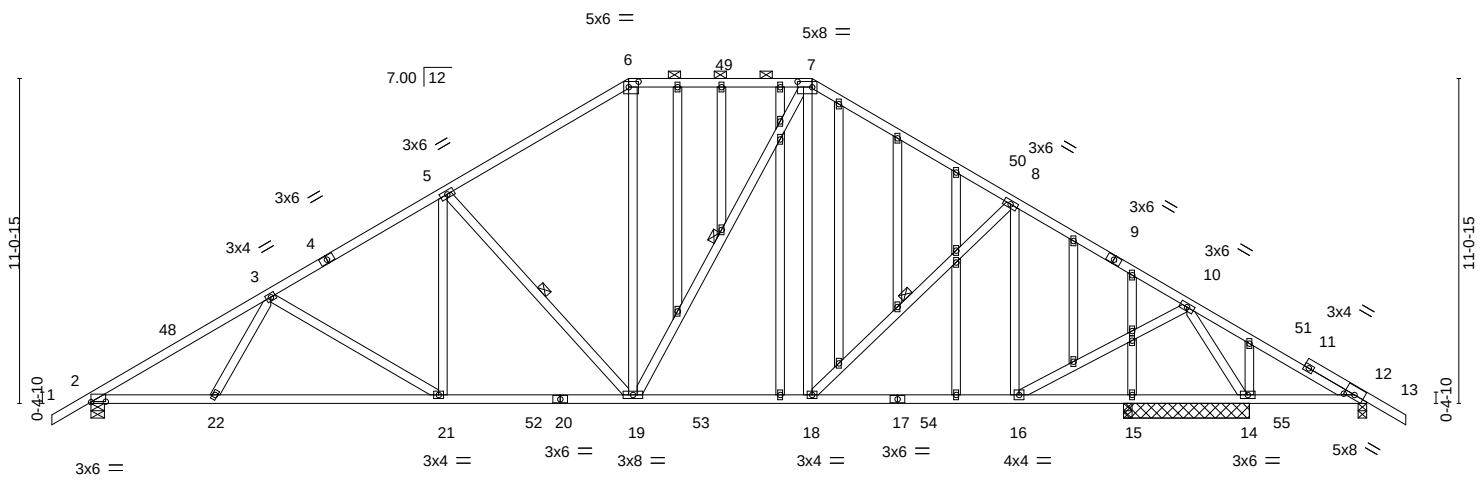
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.
2868122	T03G	GABLE	1	1	T24688867
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:13 2021 Page 1
ID:We8OseewMcDtQL_RCC7W7nyzCKy-Jxr8KD2i6kvyhNVJYSyndB4tCeM7UQmnY7Cja9yxuOy

1-4-0 6-1-9 12-0-0 18-4-0 24-7-1 31-6-0 37-4-7 43-6-0 44-10-0
1-4-0 6-1-9 5-10-7 6-4-0 6-3-1 6-10-15 5-10-7 6-1-9 1-4-0

Scale = 1:78.6



4-2-12 12-0-0 18-4-0 24-7-1 31-6-0 35-6-0 39-3-4 39-6-0 43-6-0
4-2-12 7-9-4 6-4-0 6-3-1 6-10-15 4-0-0 3-9-4 0-2-12 4-0-0

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]

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

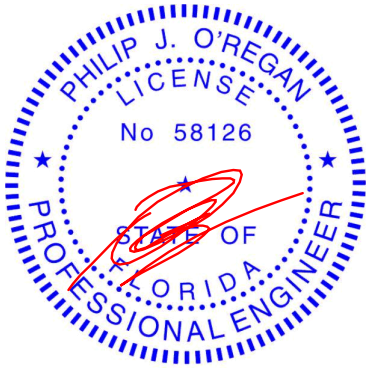
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-19: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
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 Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-19, 7-19, 8-18

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-
1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) 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.
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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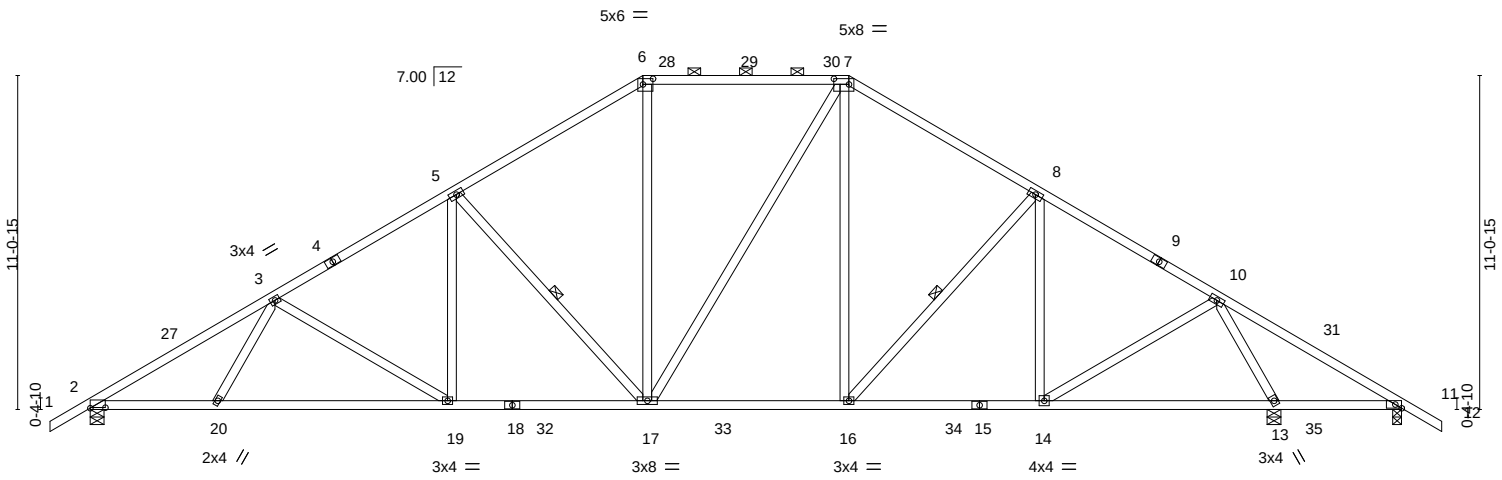
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.
2868122	T04	Piggyback Base	9	1	T24688868
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:14 2021 Page 1
ID:We8OseewMcDtQL_RCC7W7nyzCKy-n7OWXZ3Kt21pIX4V69U0AOd_K2iODs_xnnyG6byxuOx

1-4-0 6-1-9 12-0-0 18-4-0 25-2-0 31-6-0 37-4-7 43-6-0 44-10-0
1-4-0 6-1-9 5-10-7 6-4-0 6-10-0 6-4-0 5-10-7 6-1-9 1-4-0

Scale = 1:76.4



4-2-12 12-0-0 18-4-0 25-2-0 31-6-0 39-3-4 43-6-0
4-2-12 7-9-4 6-4-0 6-10-0 6-4-0 7-9-4 4-2-12

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-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.17	19-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.34	19-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.10	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 272 lb	FT = 20%

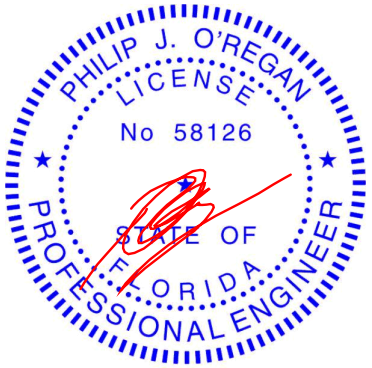
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-17: 2x4 SP No.2

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-
1) Unbalanced roof live loads have been considered for this design.
2) 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(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 336 lb uplift at joint 2, 354 lb uplift at joint 13 and 312 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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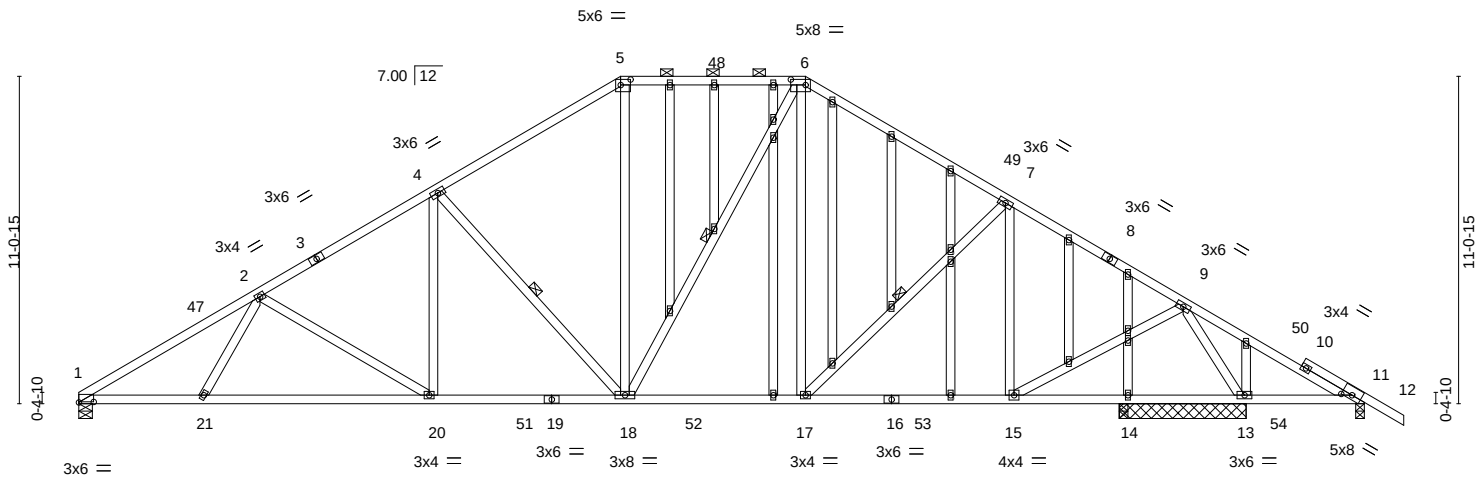
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES. T24688869
2868122	T04G	GABLE	1	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 07:19:16 2021 Page 1
ID:We8OseewMcDtQL_RCC7W7nyzCKy-jWWGyE5aPfIXYrEuDaWUFpiMQsOrhnVEF5RNBUyxuOv

6-1-9	12-0-0	18-4-0	24-7-1	31-6-0	37-4-7	43-6-0	44-10-0
6-1-9	5-10-7	6-4-0	6-3-1	6-10-15	5-10-7	6-1-9	1-4-0

Scale = 1:78.0



4-2-12	12-0-0	18-4-0	24-7-1	31-6-0	35-6-0	39-3-4	39-6-0	43-6-0
4-2-12	7-9-4	6-4-0	6-3-1	6-10-15	4-0-0	3-9-4	0-2-12	4-0-0

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

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 6-18: 2x4 SP No.2
OTHERS	2x4 SP No.3

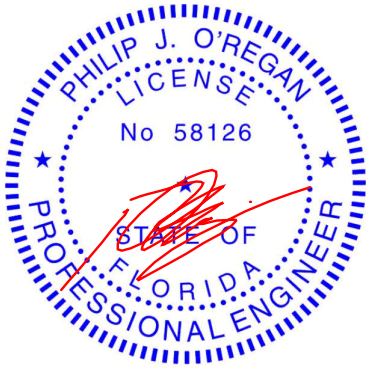
BRACING-

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	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 4-18, 6-18, 7-17

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-
1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) 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.
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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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.
2868122	T05	Piggyback Base	4	1	T24688870
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:17 2021 Page 1
ID:We8OseewMcDtQL_RCC7W7nyzCKy-Bi4e9a5CAzQO9_p4nI1jo1FV0FmVQEvNTlAxjwyxuOu

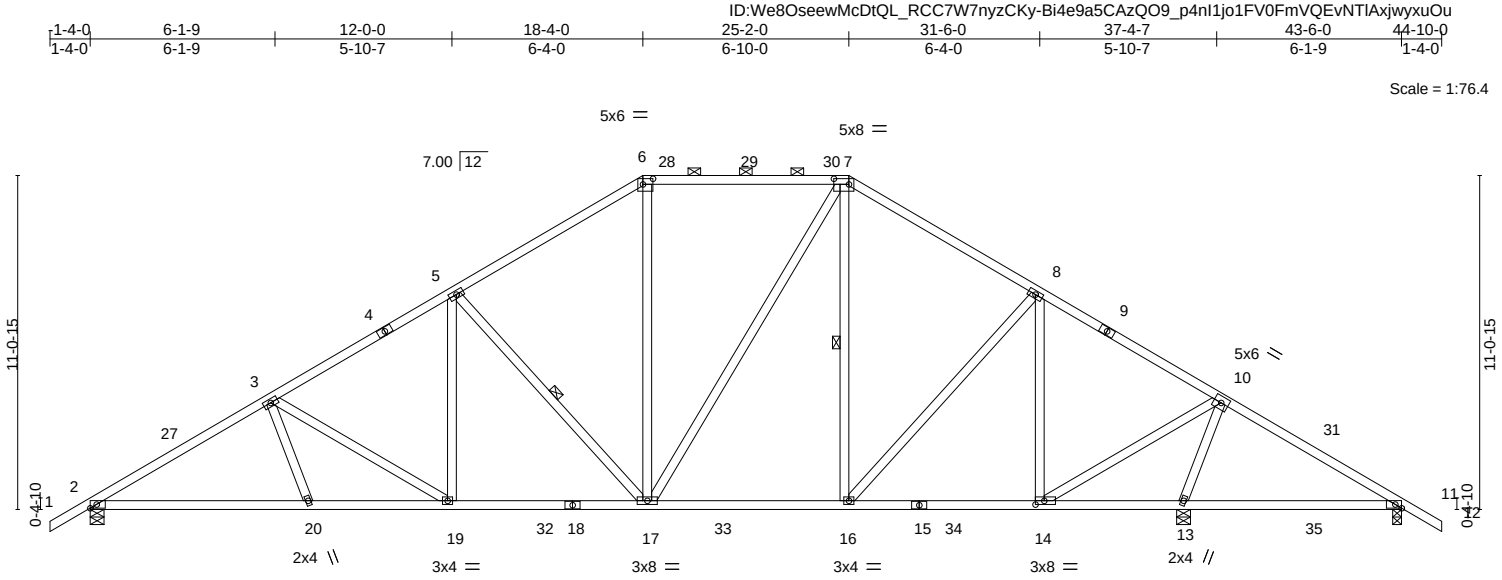


Plate Offsets (X,Y)-- [6:0-4-0,0-2-4], [7:0-6-0,0-2-4], [11:0-2-8,Edge], [14:0-3-8,0-1-8]

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

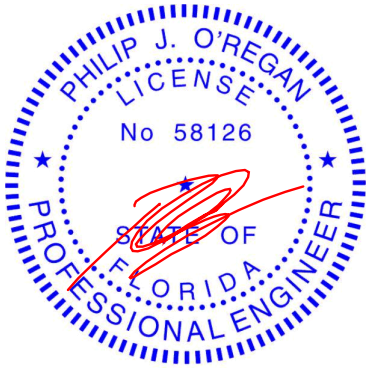
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-17: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-1 oc purlins, except 2-0-0 oc purlins (4-1-7 max.): 6-7.
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; 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(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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July 15,2021

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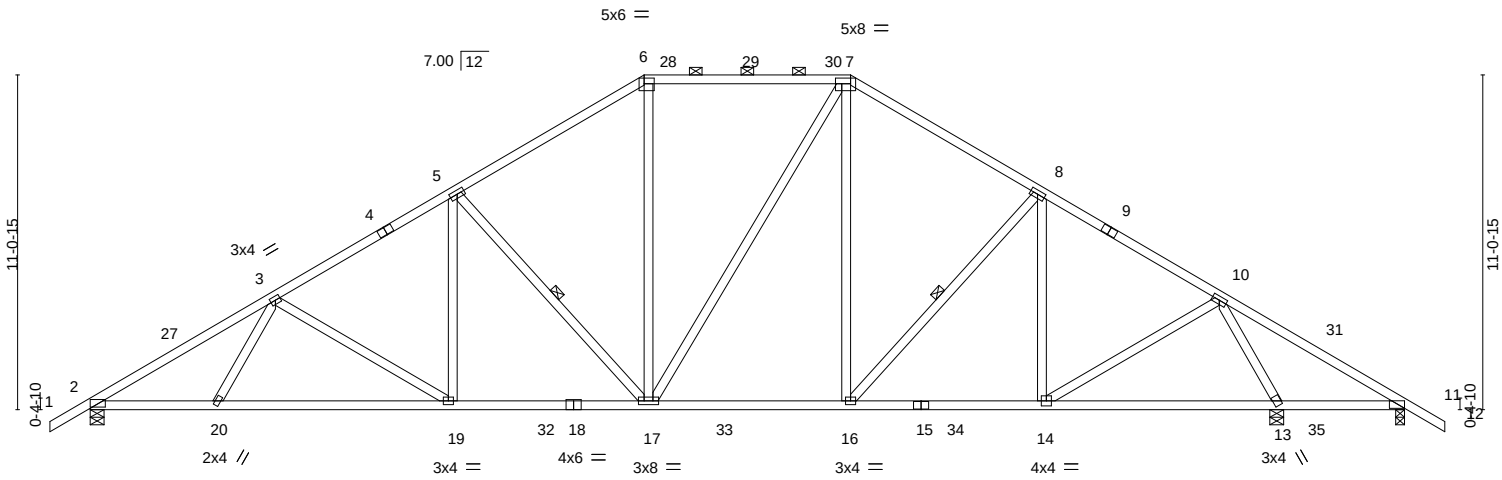
Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.
2868122	T06	PIGGYBACK BASE	2	1	T24688871
					Job Reference (optional)

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?fMnYBm8r2_Ie?yRBKgRelJlywOi3?WADx?4yxtBz

1-4-0	6-1-9	12-0-0	18-4-0	25-2-0	31-6-0	37-4-7	43-6-0	44-10-0
1-4-0	6-1-9	5-10-7	6-4-0	6-10-0	6-4-0	5-10-7	6-1-9	1-4-0

Scale = 1:76.3



4-2-12	12-0-0	18-4-0	25-2-0	31-6-0	39-3-4	43-6-0
4-2-12	7-9-4	6-4-0	6-10-0	6-4-0	7-9-4	4-2-12

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-	2-3-0	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-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31 *Except*
15-18: 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 3-0-13 oc purlins, except
2-0-0 oc purlins (2-10-4 max.): 6-7.
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 1 Row at midpt 5-17, 8-16

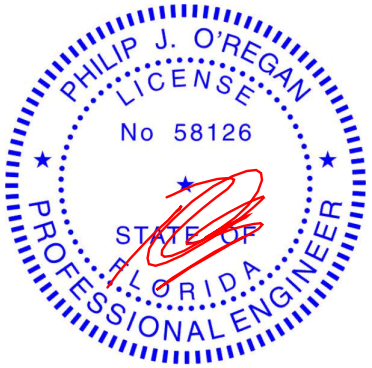
REACTIONS. (lb/size) 2=1677/0-5-8, 13=2253/0-5-8, 11=-146/0-3-8
Max Horz 2=-285(LC 10)
Max Uplift 2=-378(LC 12), 13=-405(LC 13), 11=-330(LC 25)
Max Grav 2=1881(LC 19), 13=2579(LC 2), 11=42(LC 12)

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-

1) Unbalanced roof live loads have been considered for this design.
2) 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(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 378 lb uplift at joint 2, 405 lb uplift at joint 13 and 330 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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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.
2868122	T07	Common	1	1	T24688872
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:19 2021 Page 1
ID:We8OseewMcDtQL_RCC7W7nyzCKy-85CPaG7Siag5PIzTui3BtSKze3WmuEWgx2f1opyxuOs

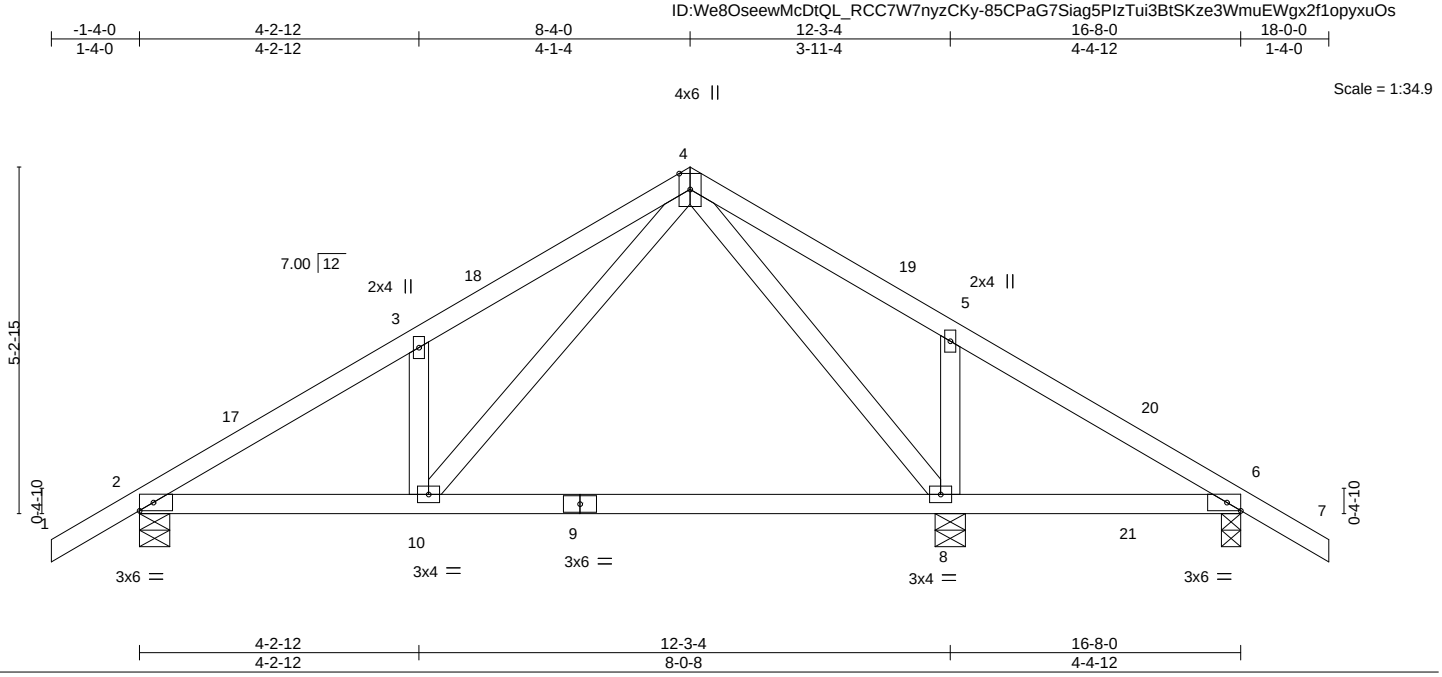


Plate Offsets (X,Y)-- [6:0-2-8,Edge]

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

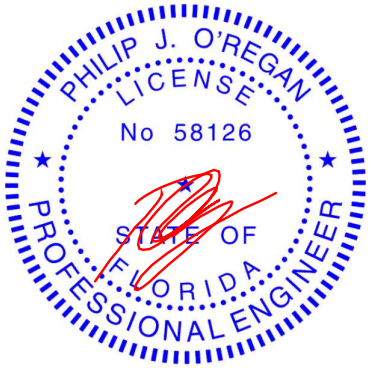
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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-
1) Unbalanced roof live loads have been considered for this design.
2) 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
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) 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 127 lb uplift at joint 2, 123 lb uplift at joint 8 and 64 lb uplift at joint 6.



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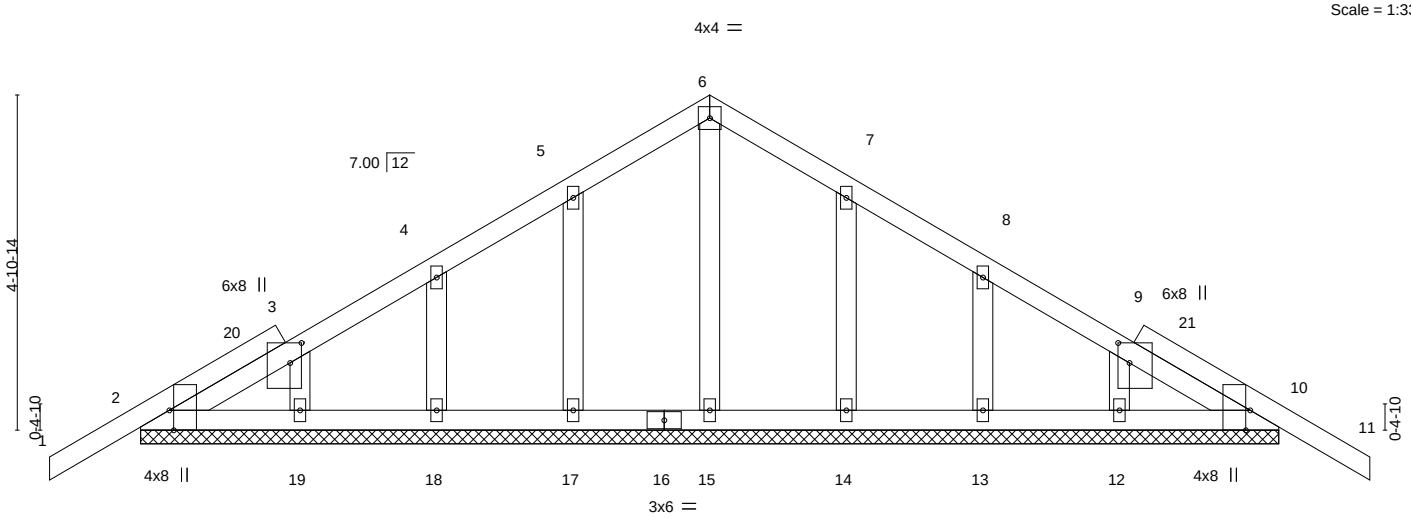
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES. T24688873
2868122	T07G	Common Supported Gable	1	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 07:19:20 2021 Page 1
ID:We8OseewMcDtQL_RCC7W7nyzCKy-cHmnoc85Tuoy0SYfSQaQQftAsTyFdlgp9iPbKFyxuOr

-1-4-0 / 1-4-0 | 8-4-0 / 8-4-0 | 16-8-0 / 8-4-0 | 18-0-0 / 1-4-0

Scale = 1:33.7



16-8-0 / 16-8-0

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

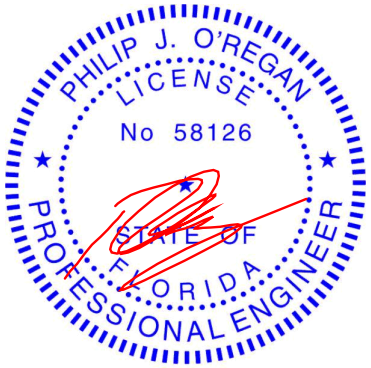
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 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-
1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) 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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July 15,2021

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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES.
2868122	T08	Common Girder	1	2	T24688874
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Jul 15 07:19:21 2021 Page 1
ID:We8OseewMcDtQL_RCC7W7nyzCKy-4UK9?y9jDBwpec7r076fytPIPtDsM2RzOM88shyxuOq

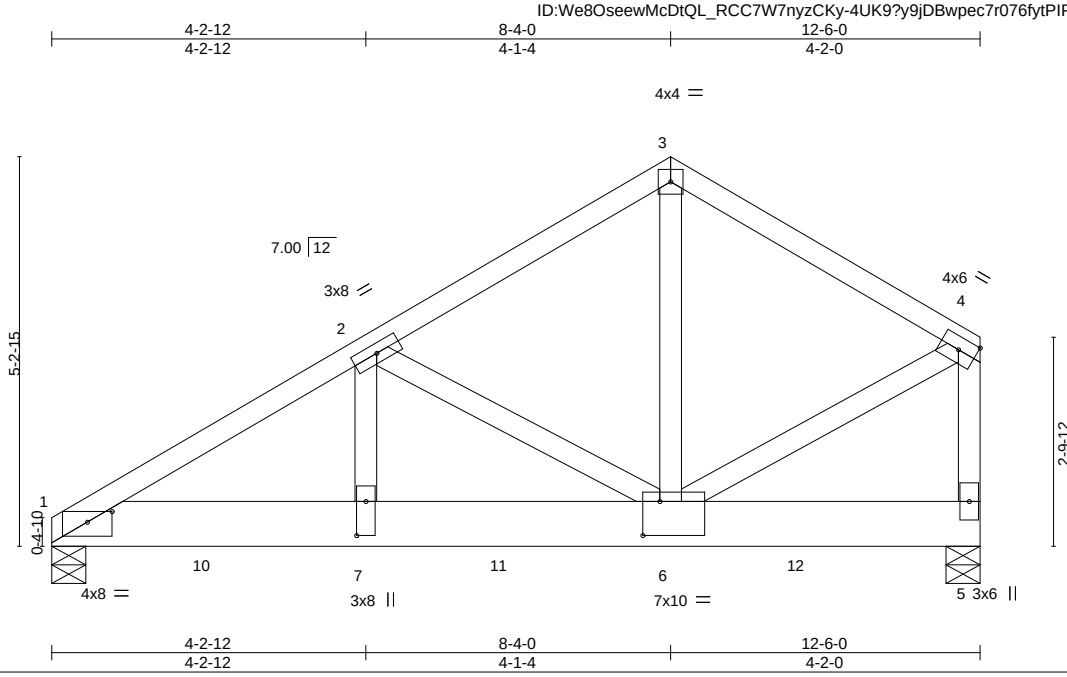


Plate Offsets (X,Y)-- [1:0-4-0,0-1-11], [6:0-2-12,0-5-8], [7:0-5-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	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/TPI2014		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

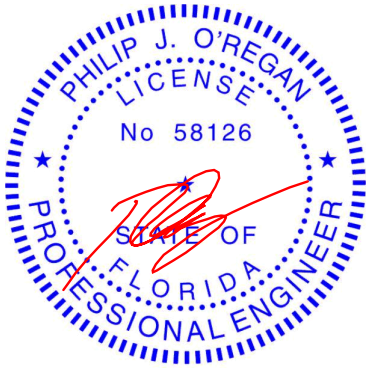
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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-
1) 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.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) 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
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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.
8) 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.
9) 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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Continued on 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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Job	Truss	Truss Type	Qty	Ply	CHRISMILL HOMES - TRUJILLO RES. T24688875
2868122	V01	GABLE	1	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 07:19:22 2021 Page 1
ID:We8OseewMcDtQL_RCC7W7nyzCKy-YgtXCI9L_V2gGmi1arduV4yWnGck5f46d0uhO8yxuOp

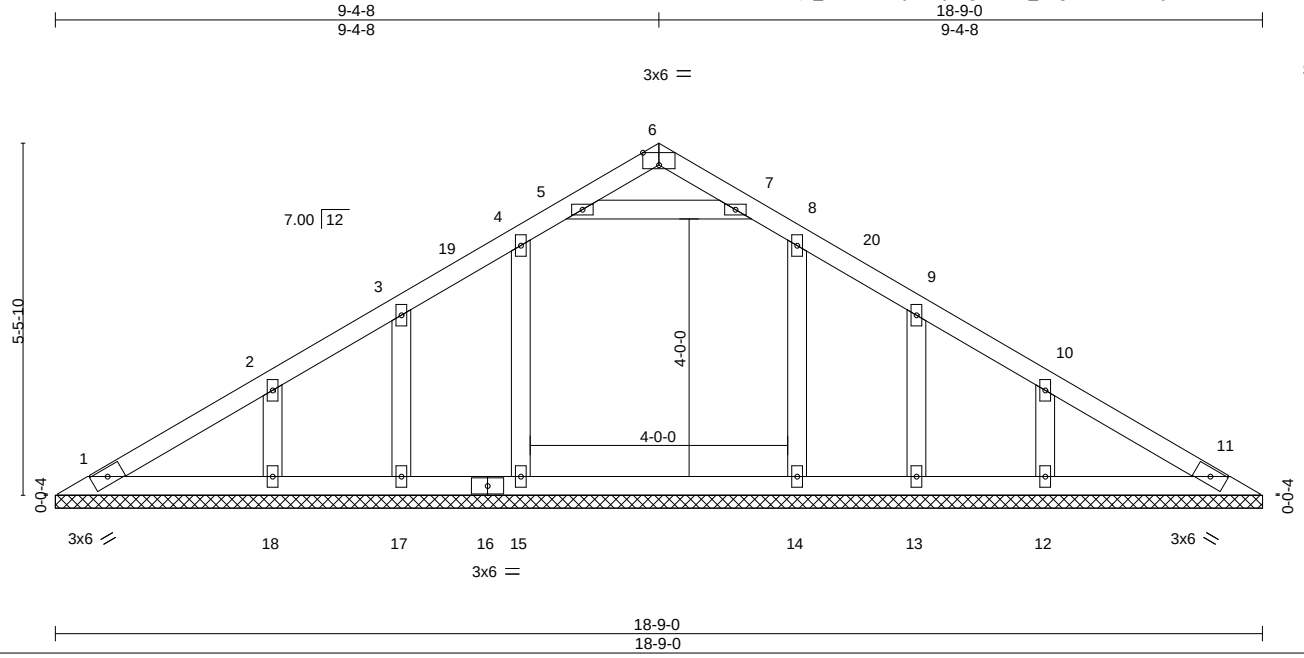


Plate Offsets (X,Y)-- [6:0-3-0,Edge], [8:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							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

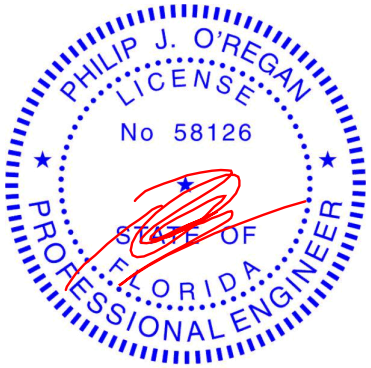
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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-
1) Unbalanced roof live loads have been considered for this design.
2) 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) 0-6-8 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
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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 15, 14, 17, 18, 13, 12.



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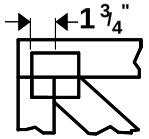
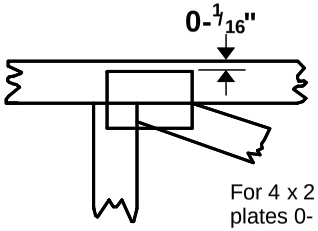
Symbols

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.

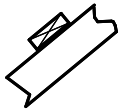
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

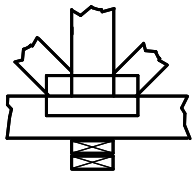
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

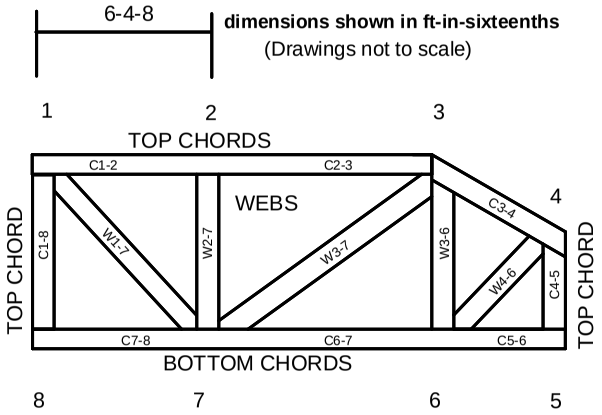


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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MiTek Engineering Reference Sheet: MII-7473 rev. 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/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.