MiTek

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

RE: 4240528 - CALEB HARRIS

MiTek, Inc.
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:
Customer Info: GIEBEIG HOMES Project Name: Caleb Harris Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
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: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 23 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T35116099	PB01	9/27/24	15	T35116113	T09	9/27/24
2	T35116100	PB01G	9/27/24	16	T35116114	V01	9/27/24
3	T35116101	T01	9/27/24	17	T35116115	V02	9/27/24
4	T35116102	T01G	9/27/24	18	T35116116	V03	9/27/24
5	T35116103	T02	9/27/24	19	T35116117	V04	9/27/24
6	T35116104	T03	9/27/24	20	T35116118	V05	9/27/24
7	T35116105	T03G	9/27/24	21	T35116119	V06	9/27/24
8	T35116106	T04	9/27/24	22	T35116120	V07	9/27/24
9	T35116107	T05	9/27/24	23	T35116121	V08	9/27/24
10	T35116108	T06	9/27/24				
11	T35116109	T06G	9/27/24				
12	T35116110	T07	9/27/24				
13	T35116111	T08	9/27/24				
14	T35116112	T08G	9/27/24				

This item has been digitally signed and sealed by Velez, Joaquin, PE on the date adjacent to the seal.
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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: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2025.

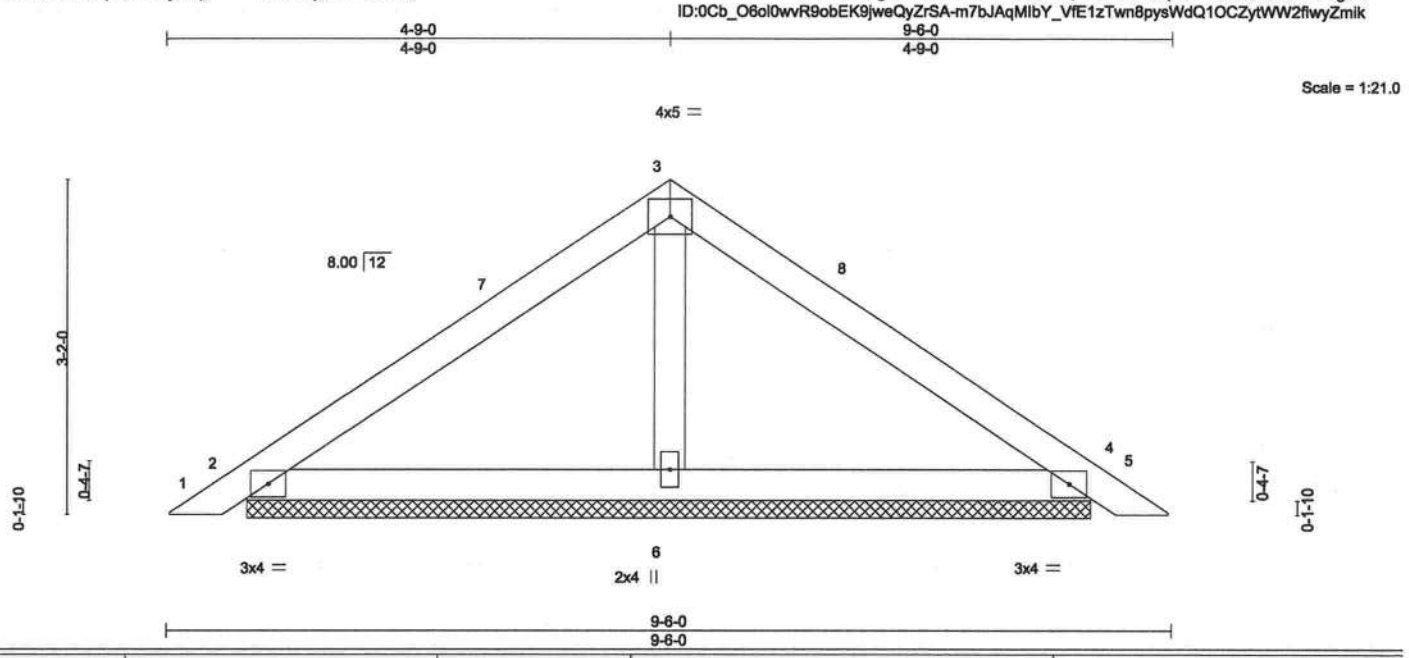
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which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

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

September 27,2024

Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116099
4240528	PB01	Piggyback	32	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:41:51 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-m7bJAqMlbY_VfE1zTwn8pysWdQ1OCZytWW2fiwyZmik



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 32 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=7-11-12, 4=7-11-12, 6=7-11-12
Max Horz 2=-74(LC 10)
Max Uplift 2=-59(LC 12), 4=-68(LC 13), 6=-52(LC 12)
Max Grav 2=172(LC 1), 4=172(LC 1), 6=299(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 7-22; 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 Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 4-9-0, Zone3 4-9-0 to 9-2-11 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.

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Chesterfield, MO 63017
Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS
4240528	PB01G	GABLE	2	1	T35116100
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:41:52 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-EJ9hNANwMs6MGOcA1dINLAPjYqPax011kAoCFMyZmij

4-2-11 | 8-5-6
4-2-11 | 4-2-11

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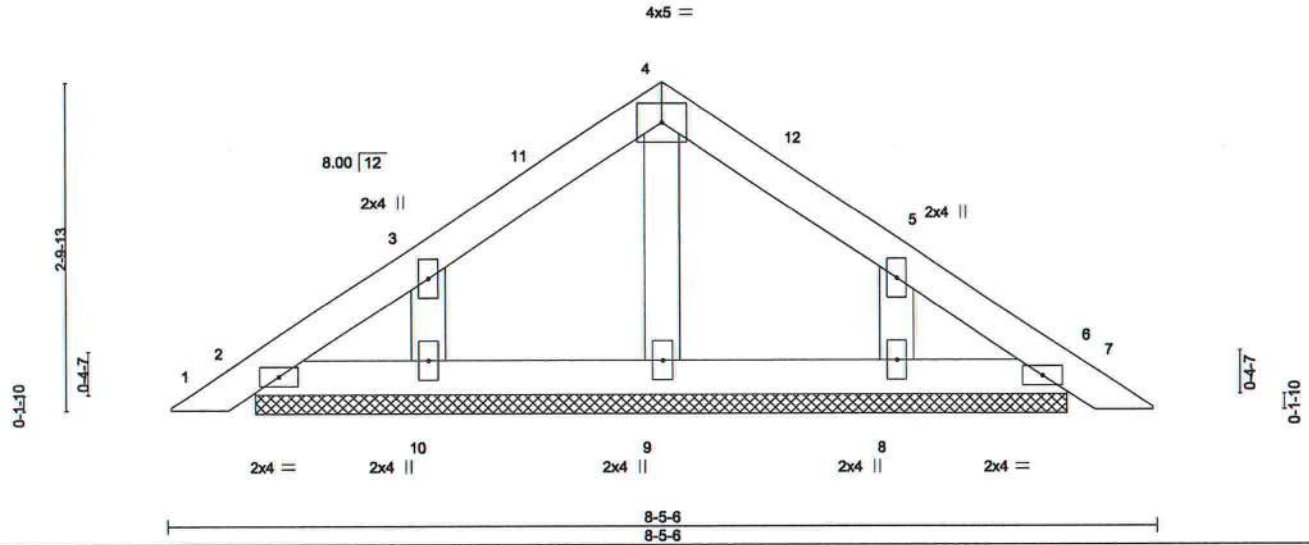

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	-0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 31 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 6-11-2.
(lb) - Max Horz 2=-65(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 10, 8

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 7-22; 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 Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 4-2-11, Zone3 4-2-11 to 8-2-1 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, 6, 10, 8.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116101
4240528	T01	Common	5	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:41:53 2024 Page 1
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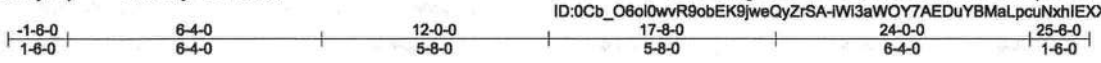

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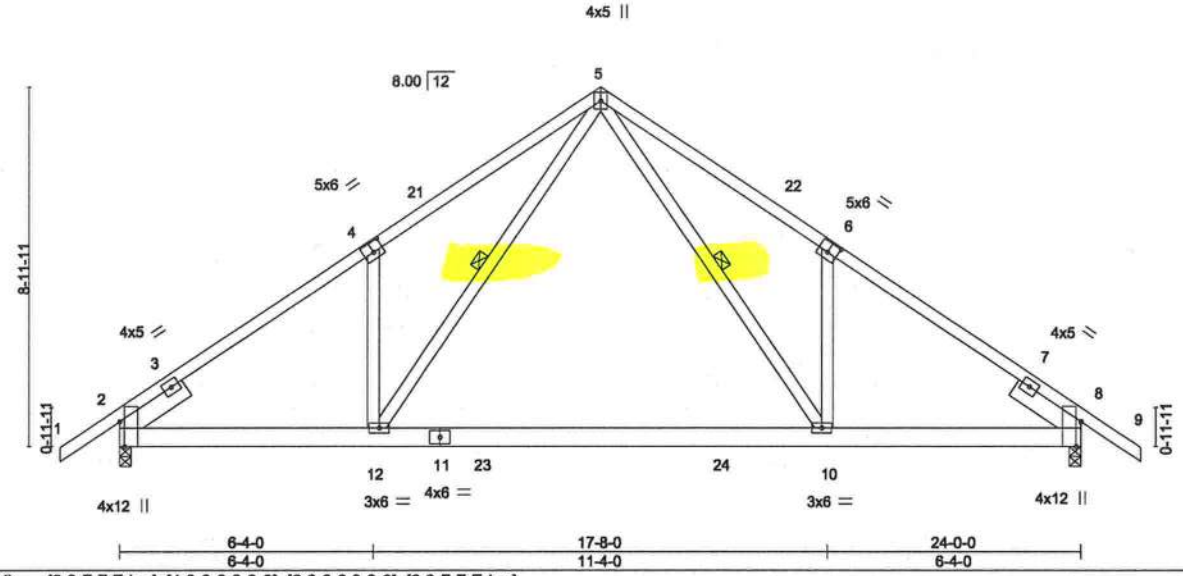

Plate Offsets (X,Y)-- [2:0-7-7,Edge], [4:0-3-0,0-3-0], [6:0-3-0,0-3-0], [8:0-7-7,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.34	10-12	>842	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.59	10-12	>492	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 157 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
8-11: 2x6 SP 2400F 2.0E or 2x6 SP M 26
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-8-13 oc bracing.
WEBS 1 Row at midpt 5-10, 5-12

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-222(LC 10)
Max Uplift 2=-364(LC 12), 8=-364(LC 13)
Max Grav 2=1353(LC 2), 8=1353(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1868/898, 4-5=-1847/1008, 5-6=-1888/1027, 6-8=-1907/916
BOT CHORD 2-12=-625/1545, 10-12=-312/961, 8-10=-656/1520
WEBS 5-10=-618/1109, 6-10=-286/275, 5-12=-590/1050, 4-12=-281/275

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 25-6-0 zone; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=364, 8=364.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-9=-54, 12-13=-20, 10-12=-80(F=-60), 10-17=-20

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Chesterfield, MO 63017
Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116102
4240528	T01G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:41:53 2024 Page 1
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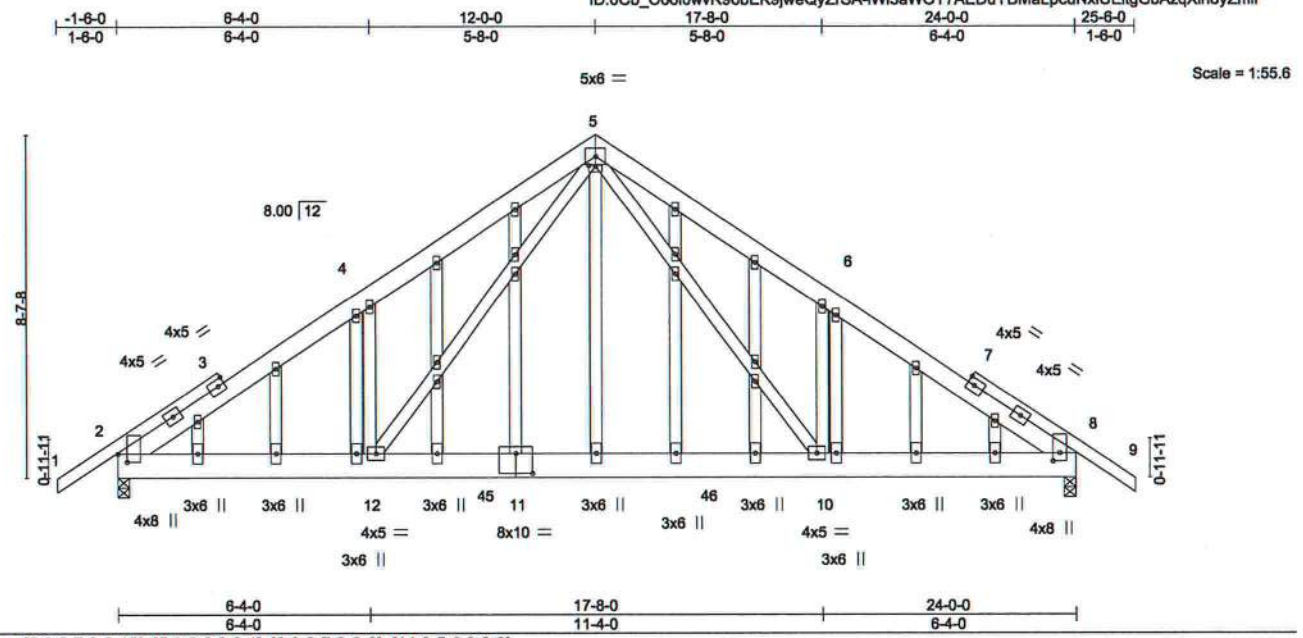

Plate Offsets (X,Y)— [2:0-2-7,0-2-12], [5:0-2-0,0-0-4], [8:0-2-7,0-2-0], [11:0-5-0,0-6-0]

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	0.62	Vert(LL)	-0.10	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.18	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 258 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-3,7-9: 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-211(LC 10)
Max Uplift 2=-256(LC 12), 8=-256(LC 13)
Max Grav 2=1056(LC 2), 8=1056(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1420/673, 4-5=-1489/844, 5-6=-1489/844, 6-8=-1420/673
BOT CHORD 2-12=-470/1179, 10-12=-194/709, 8-10=-474/1179
WEBS 5-10=-487/821, 6-10=-407/307, 5-12=-487/821, 4-12=-406/307

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=256, 8=256.

This item has been digitally signed and sealed by Velez, Joaquin, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116103
4240528	T02	Common	6	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:41:54 2024 Page 1
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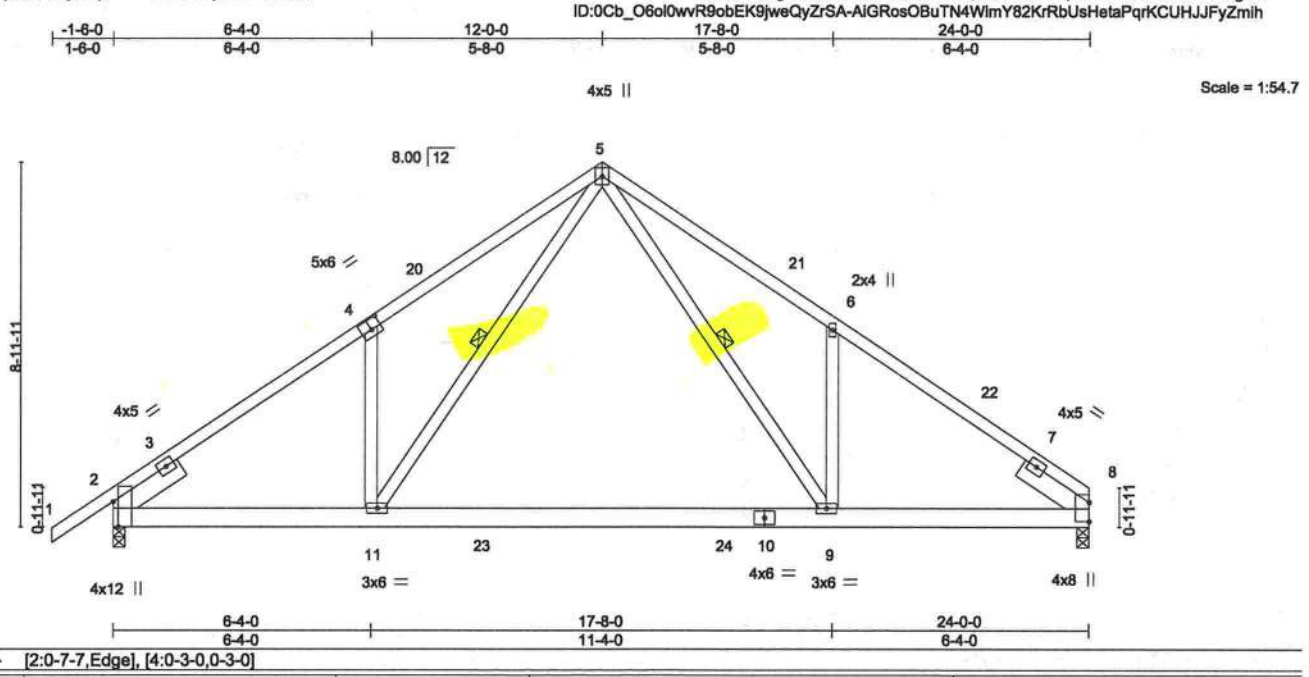

Plate Offsets (X,Y)— [2:0-7-7,Edge], [4:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.87	Vert(LL)	0.34	9-11	>844	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.58	9-11	>494	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 154 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP 2400F 2.0E or 2x6 SP M 26 *Except*
8-10: 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-6-0 oc bracing.
WEBS 1 Row at midpt 5-9, 5-11

REACTIONS. (size) 8=0-3-8, 2=0-3-8
Max Horz 2=214(LC 9)
Max Uplift 8=-326(LC 13), 2=-364(LC 12)
Max Grav 8=1285(LC 2), 2=1355(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1909/917, 4-5=-1891/1031, 5-6=-1860/1023, 6-8=-1878/914
BOT CHORD 2-11=-685/1567, 9-11=-343/951, 8-9=-666/1495
WEBS 5-9=-596/1069, 6-9=-287/279, 5-11=-616/1108, 4-11=-286/275

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 24-0-0 zone; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 8=326, 2=364.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-8=-54, 11-16=-20, 9-11=-80(F=-60), 9-12=-20

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Date:
September 27,2024

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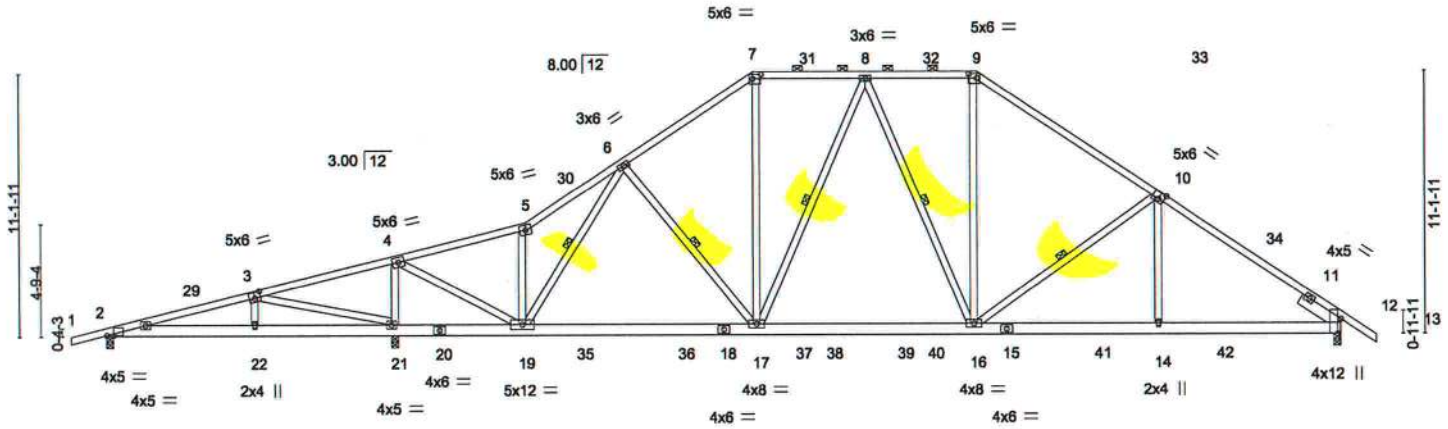
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116104
4240528	T03	Piggyback Base	6	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:41:55 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-euqp?CPpfnVx7sLkils4zo11S2FA8CWTR80srhyZmig

1-6-0	6-3-0	12-1-12	17-8-6	21-10-0	27-3-0	32-0-0	36-9-0	44-4-0	52-0-0	53-6-0
1-6-0	6-3-0	5-10-12	5-6-10	4-1-10	5-5-0	4-9-0	4-9-0	7-7-0	7-8-0	1-6-0

Scale = 1:93.5



6-3-0	12-1-12	17-8-6	27-3-0	36-9-0	44-4-0	52-0-0
6-3-0	5-10-12	5-6-10	9-6-10	9-6-0	7-7-0	7-8-0

Plate Offsets (X,Y)-- [2:0-3-6,0-0-1], [3:0-3-0,0-3-0], [7:0-4-4,0-2-4], [9:0-4-4,0-2-4], [10:0-2-12,0-3-4], [12:0-7-7,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.84	Vert(LL)	-0.15	17-19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.28	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 357 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 9-10: 2x4 SP No.1
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 4-19: 2x4 SP No.2
SLIDER	Right 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-8-12 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-19, 6-17, 8-17, 8-16, 10-16

REACTIONS. (size) 2=0-3-8, 21=0-3-8, 12=0-3-8
Max Horz 2=288(LC 11)
Max Uplift 2=-265(LC 8), 21=-541(LC 12), 12=-315(LC 13)
Max Grav 2=270(LC 25), 21=2625(LC 2), 12=1725(LC 20)

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

TOP CHORD	2-3=-34/491, 3-4=-337/1265, 4-5=-1225/192, 5-6=-1434/279, 6-7=-1726/406, 7-8=-1383/395, 8-9=-1466/412, 9-10=-1853/417, 10-12=-2273/457
BOT CHORD	2-22=-447/167, 21-22=-444/168, 19-21=-1195/455, 17-19=-162/1462, 16-17=-94/1468, 14-16=-253/1829, 12-14=-254/1826
WEBS	3-22=-148/263, 3-21=-1010/570, 4-21=-2167/483, 4-19=-479/2673, 5-19=-654/211, 6-19=-442/143, 7-17=-88/710, 8-17=-342/202, 9-16=-84/705, 10-16=-589/329, 10-14=-2/281

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 -1-6-0 to 3-8-6, Zone1 3-8-6 to 27-3-0, Zone2 27-3-0 to 34-7-4, Zone1 34-7-4 to 36-9-0, Zone2 36-9-0 to 44-1-4, Zone1 44-1-4 to 53-6-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 100.0lb AC unit load placed on the bottom chord, 32-0-0 from left end, supported at two points, 3-0-0 apart.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=265, 21=541, 12=315.
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:
September 27,2024

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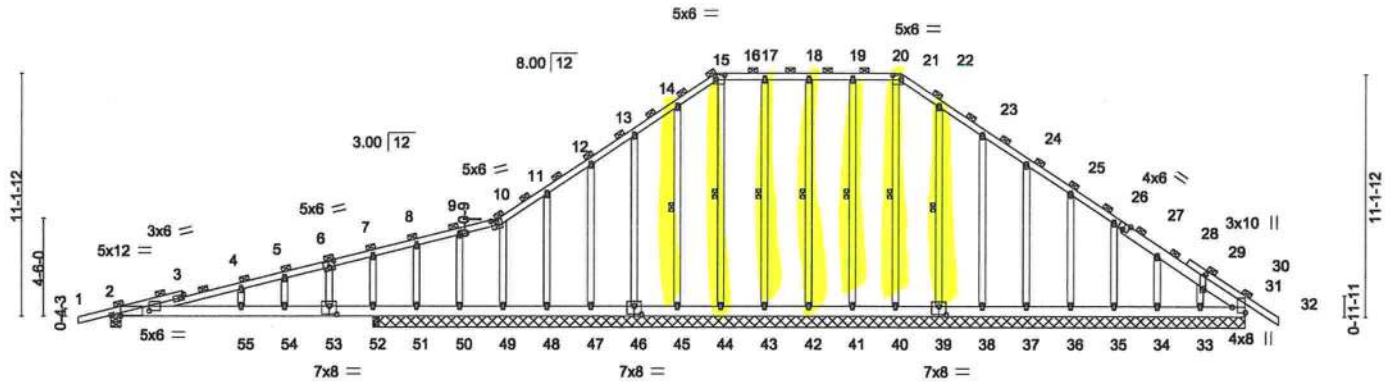
Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116105
4240528	T03G	Piggyback Base Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:41:56 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-64OCDYQRQ5dol0wxGTNJW0ZG0RbItoUcfomPO7yZmif

1-6-0	17-8-6	27-9-5	36-2-11	52-0-0	53-6-0
1-6-0	17-8-6	10-0-15	8-5-6	15-9-5	1-6-0

Scale = 1:101.9



12-0-0	52-0-0
12-0-0	40-0-0

Plate Offsets (X,Y)-- [2:0-5-4,0-0-3], [2:1-9-0,0-2-7], [6:0-3-0,0-3-0], [10:0-3-0,0-1-8], [15:0-4-8,0-2-8], [21:0-4-8,0-2-8], [27:0-3-0,Edge], [30:0-7-11,0-1-4], [31:Edge,0-6-15], [39:0-4-0,0-4-8], [46:0-4-0,0-4-8], [53:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	0.30	2-55	>466	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.38	2-55	>367	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	31	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 424 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 27-31: 2x6 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (8-9-0 max.).
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 14-45, 16-44, 17-43, 18-42, 19-41, 20-40, 22-39

REACTIONS. All bearings 40-0-0 except (jt=length) 2=0-5-8.
(lb) - Max Horz 52=290(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 45, 46, 47, 48, 49, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 31 except 2=-260(LC 8), 50=-187(LC 8), 51=-673(LC 1), 52=-726(LC 8), 33=-113(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 45, 46, 47, 48, 49, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33, 31 except 2=415(LC 1), 50=364(LC 1), 51=441(LC 8), 52=1239(LC 1), 52=1239(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-345/168, 4-5=-296/154, 5-6=-286/177, 6-7=-259/178, 13-14=-57/252, 28-30=-296/207, 30-31=-394/217
BOT CHORD 2-55=-141/389, 54-55=-141/389, 53-54=-141/389, 52-53=-142/390, 51-52=-177/394, 50-51=-177/394, 49-50=-177/394, 48-49=-180/397, 47-48=-180/397, 46-47=-180/397, 45-46=-180/397, 44-45=-180/397, 43-44=-180/397, 42-43=-180/397, 41-42=-180/397, 40-41=-180/397, 39-40=-180/397, 38-39=-180/397, 37-38=-180/397, 36-37=-180/397, 35-36=-180/397, 34-35=-180/397, 33-34=-180/397, 31-33=-172/386
WEBS 7-52=-303/272

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) 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.

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Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS
4240528	T03G	Piggyback Base Supported Gable	1	1	T35116105 Job Reference (optional)

NOTES-

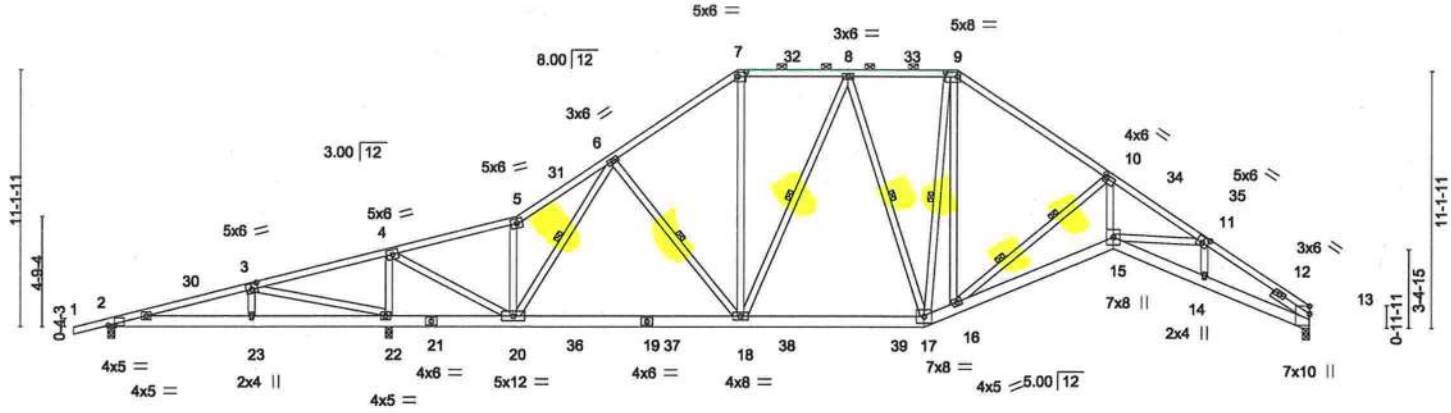
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 45, 46, 47, 48, 49, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 31 except (jt=lb) 2=260, 50=187, 51=673, 52=726, 33=113.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116106
4240528	T04	PIGGYBACK BASE	11	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:41:57 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-aHyaQuR3AOleN9U7pAuY2D6Msrxdc4EmuSVzwayZmie

1-6-0	6-3-0	12-1-12	17-8-6	21-10-0	27-3-0	32-0-0	36-9-0	43-6-4	47-6-0	52-0-0
1-6-0	6-3-0	5-10-12	5-6-10	4-1-10	5-5-0	4-9-0	4-9-0	6-9-4	3-11-12	4-6-0

Scale: 1/8"=1'



6-3-0	12-1-12	17-8-6	27-3-0	35-4-0	36-9-0	43-6-4	47-6-0	52-0-0
6-3-0	5-10-12	5-6-10	9-6-10	8-1-0	1-5-0	6-9-4	3-11-12	4-6-0

Plate Offsets (X,Y)-- [2:0-3-6,0-0-1], [3:0-3-0,0-3-0], [7:0-4-4,0-2-4], [9:0-6-4,0-2-4], [10:0-1-8,0-1-12], [11:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	-0.33	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.57	15-16	>832	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.32	13	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 373 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 13-15: 2x6 SP 2400F 2.0E or 2x6 SP M 26
WEBS	2x4 SP No.3 *Except* 4-22,4-20,10-15: 2x4 SP No.2
SLIDER	Right 2x4 SP No.3 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 1-9-7 oc purlins, except 2-0-0 oc purlins (5-1-3 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 5-5-2 oc bracing.
WEBS	1 Row at midpt 6-20, 6-18, 8-18, 8-17, 9-17 2 Rows at 1/3 pts 10-16

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 22=0-3-8
Max Horz 2=286(LC 9)
Max Uplift 2=-246(LC 8), 13=-316(LC 13), 22=-625(LC 12)
Max Grav 2=190(LC 25), 13=1490(LC 20), 22=2729(LC 2)

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

TOP CHORD	2-3=-138/966, 3-4=-491/1816, 4-5=-823/162, 5-6=-961/243, 6-7=-1490/475, 7-8=-1185/453, 8-9=-1295/479, 9-10=-1686/522, 10-11=-4253/948, 11-13=-3542/932
BOT CHORD	2-23=-949/279, 22-23=-947/280, 20-22=-1730/583, 18-20=-216/1201, 17-18=-178/1287, 16-17=-143/1446, 15-16=-709/3703, 14-15=-728/3181, 13-14=-693/2956
WEBS	3-23=-147/270, 3-22=-1030/569, 4-22=-2279/575, 4-20=-635/2834, 5-20=-491/209, 6-20=-694/261, 7-18=-127/582, 8-18=-392/210, 9-17=-418/70, 9-16=-175/1020, 10-16=-2715/671, 10-15=-499/2915, 11-15=-111/674, 11-14=-450/120

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 -1-6-0 to 3-8-6, Zone1 3-8-6 to 27-3-0, Zone2 27-3-0 to 34-7-4, Zone1 34-7-4 to 36-9-0, Zone2 36-9-0 to 44-1-4, Zone1 44-1-4 to 52-0-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=246, 13=316, 22=625.
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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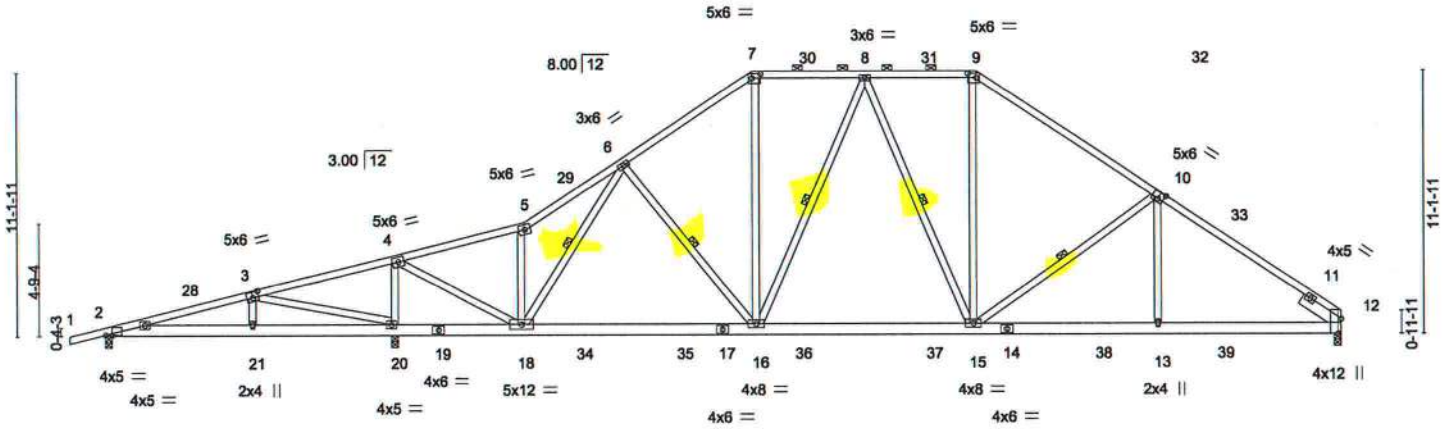
Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116107
4240528	T05	Piggyback Base	3	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:41:58 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-3TWyeEShxitV_J3JNuPnbRfXxFIhLVtv76FWS0yZmid

1-6-0	6-3-0	12-1-12	17-8-6	21-10-0	27-3-0	32-0-0	36-9-0	44-4-0	52-0-0
1-6-0	6-3-0	5-10-12	5-6-10	4-1-10	5-5-0	4-9-0	4-9-0	7-7-0	7-8-0

Scale = 1:93.3



6-3-0	12-1-12	17-8-6	27-3-0	36-9-0	44-4-0	52-0-0
6-3-0	5-10-12	5-6-10	9-6-10	9-6-0	7-7-0	7-8-0

Plate Offsets (X,Y)– [2:0-3-6,0-0-1], [3:0-3-0,0-3-0], [7:0-4-4,0-2-4], [9:0-4-4,0-2-4], [10:0-2-12,0-3-4], [12:0-7-7,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	-0.15	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.26	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 354 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-10-3 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-18, 6-16, 8-16, 8-15, 10-15

REACTIONS. (size) 2=0-3-8, 20=0-3-8, 12=0-3-8
Max Horz 2=286(LC 9)
Max Uplift 2=-257(LC 8), 20=-602(LC 12), 12=-324(LC 13)
Max Grav 2=279(LC 25), 20=2564(LC 2), 12=1601(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-67/449, 3-4=-369/1228, 4-5=-1188/228, 5-6=-1392/322, 6-7=-1644/504, 7-8=-1315/478, 8-9=-1395/487, 9-10=-1768/530, 10-12=-2213/583
BOT CHORD 2-21=-408/174, 20-21=-405/174, 18-20=-1158/464, 16-18=-238/1394, 15-16=-177/1399, 13-15=-337/1782, 12-13=-338/1778
WEBS 3-21=-146/264, 3-20=-1010/567, 4-20=-2111/538, 4-18=-569/2592, 5-18=-639/227, 6-18=-399/186, 7-16=-143/665, 8-16=-339/205, 9-15=-150/659, 10-15=-618/314, 10-13=0/303

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 -1-6-0 to 3-8-6, Zone1 3-8-6 to 27-3-0, Zone2 27-3-0 to 34-7-4, Zone1 34-7-4 to 36-9-0, Zone2 36-9-0 to 44-1-4, Zone1 44-1-4 to 52-0-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=257, 20=602, 12=324.
8) 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:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS
4240528	T06	Piggyback Base	6	1	T35116108
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:41:59 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-Xf4KraSJi0?McTeWxbw08eBiCfch46H3Lm_4_SyZmic

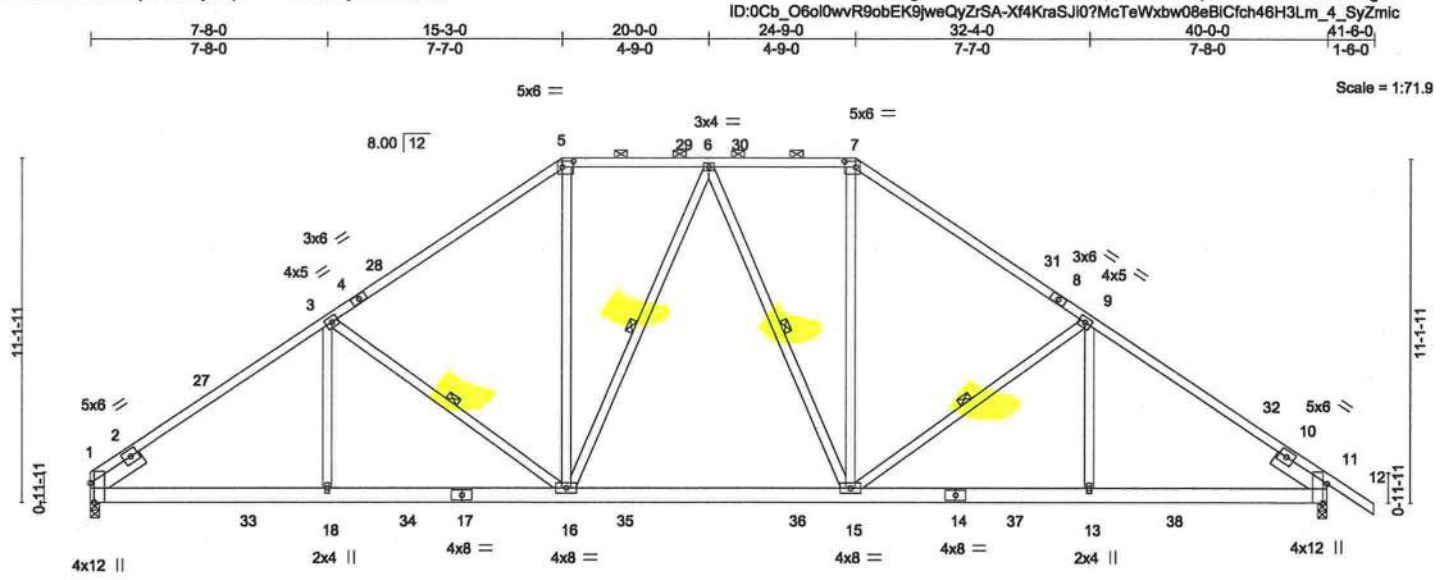

Plate Offsets (X,Y)– [1:0-7-8,Edge], [5:0-4-4,0-2-4], [7:0-4-4,0-2-4], [9:0-0-0,0-0-0], [11:0-7-7,Edge], [11:0-0-0,0-0-0]

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	0.92	Vert(LL)	-0.17	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.28	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 282 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 4-5,7-8: 2x4 SP No.1
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-7-6 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-16, 6-16, 6-15, 9-15

REACTIONS. (size) 1=0-3-8, 11=0-3-8
Max Horz 1=-268(LC 8)
Max Uplift 1=-377(LC 12), 11=-414(LC 13)
Max Grav 1=1698(LC 2), 11=1766(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-2367/541, 3-5=-1938/490, 5-6=-1539/483, 6-7=-1539/482, 7-9=-1937/489, 9-11=-2359/537
BOT CHORD 1-18=-487/2021, 16-18=-487/2021, 15-16=-221/1579, 13-15=-297/1896, 11-13=-297/1896
WEBS 3-18=0/288, 3-16=-597/305, 5-16=-153/753, 6-16=-274/212, 6-15=-276/212, 7-15=-153/752, 9-15=-589/301, 9-13=0/286

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 0-0-0 to 4-0-0, Zone1 4-0-0 to 15-3-0, Zone2 15-3-0 to 20-10-14, Zone1 20-10-14 to 24-9-0, Zone2 24-9-0 to 30-4-14, Zone1 30-4-14 to 41-6-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=377, 11=414.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS
4240528	T06G	Piggyback Base Supported Gable	1	1	T35116109
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:00 2024 Page 1
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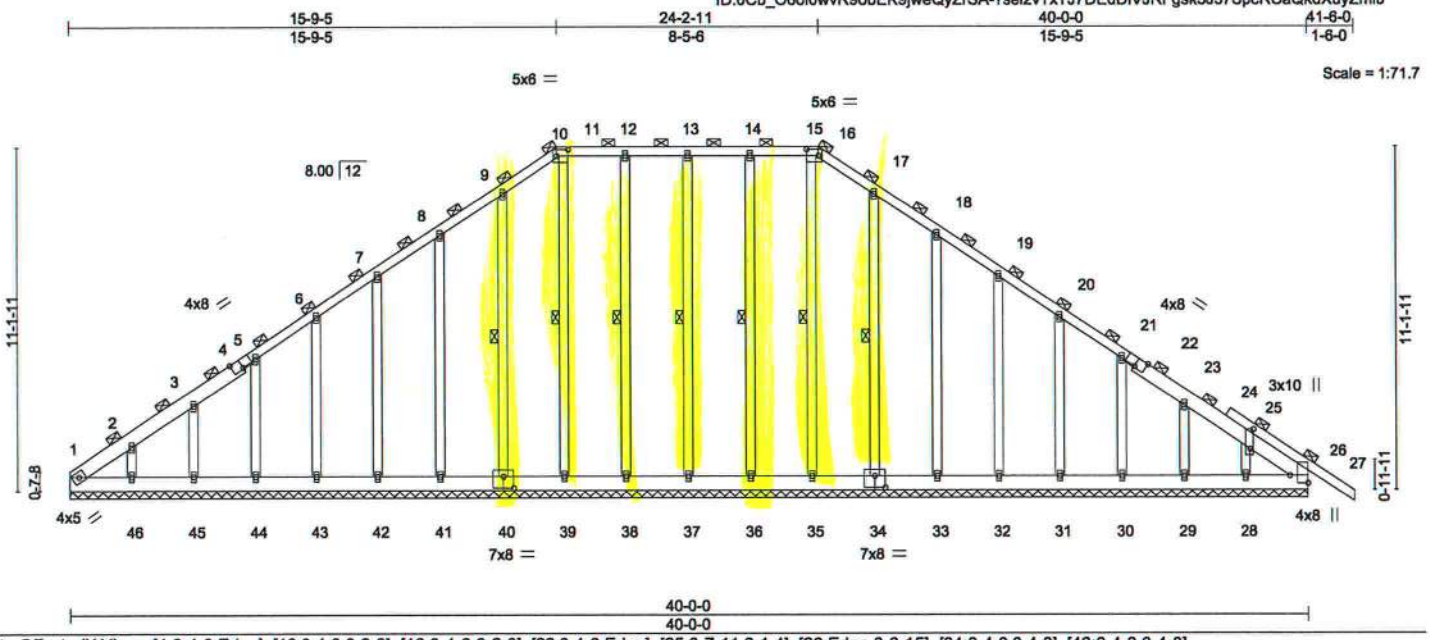

Plate Offsets (X,Y)— [4:0-4-0,Edge], [10:0-4-8,0-2-8], [16:0-4-8,0-2-8], [22:0-4-0,Edge], [25:0-7-11,0-1-4], [26:Edge,0-6-15], [34:0-4-0,0-4-8], [40:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	27	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	27	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	26	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 367 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 1-4,22-26: 2x6 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 13-37, 12-38, 11-39, 9-40, 14-36, 15-35, 17-34

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 1=-273(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 37, 38, 39, 40, 41, 42, 43, 44, 45, 36, 34, 33, 32, 31, 30, 29, 26 except 46=-118(LC 12), 28=-109(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 36, 35, 34, 33, 32, 31, 30, 29, 28, 26

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-310/221

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 zone; end vertical 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 requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 37, 38, 39, 40, 41, 42, 43, 44, 45, 36, 34, 33, 32, 31, 30, 29, 26 except (jt=lb) 46=118, 28=109.
12) 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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September 27,2024

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116110
4240528	T07	Piggyback Base	6	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:01 2024 Page 1
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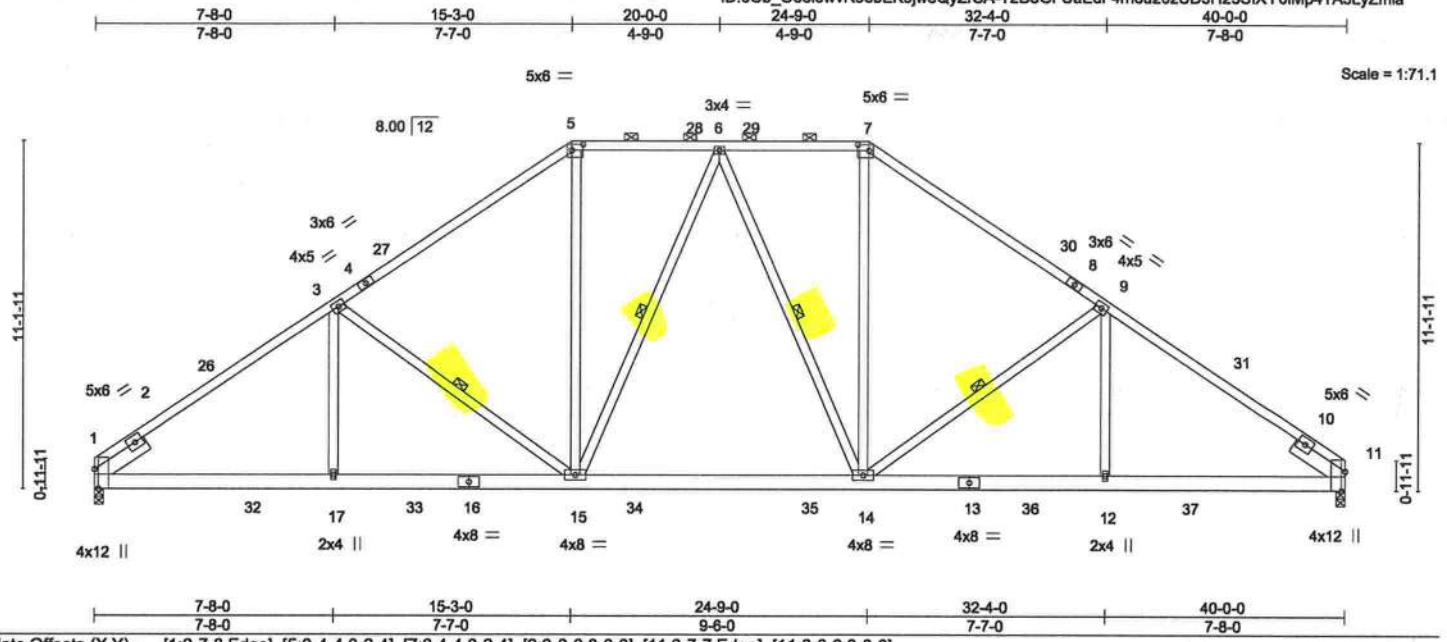

Plate Offsets (X,Y)-- [1:0-7-8,Edge], [5:0-4-4,0-2-4], [7:0-4-4,0-2-4], [9:0-0-0,0-0-0], [11:0-7-7,Edge], [11:0-0-0,0-0-0]

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	0.90	Vert(LL)	-0.17	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.28	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 280 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 4-5,7-8: 2x4 SP No.1
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-7-6 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-15, 6-15, 6-14, 9-14

REACTIONS. (size) 1=0-3-8, 11=0-3-8
Max Horz 1=-252(LC 8)
Max Uplift 1=-377(LC 12), 11=-377(LC 13)
Max Grav 1=1699(LC 2), 11=1699(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-2369/541, 3-5=-1940/491, 5-6=-1541/483, 6-7=-1541/483, 7-9=-1940/491, 9-11=-2370/542
BOT CHORD 1-17=-504/2010, 15-17=-504/2010, 14-15=-238/1582, 12-14=-334/1905, 11-12=-334/1905
WEBS 3-17=0/288, 3-15=-597/305, 5-15=-153/754, 6-15=-275/212, 6-14=-275/212, 7-14=-153/754, 9-14=-598/305, 9-12=0/288

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 0-0-0 to 4-0-0, Zone1 4-0-0 to 15-3-0, Zone2 15-3-0 to 20-10-14, Zone1 20-10-14 to 24-9-0, Zone2 24-9-0 to 30-4-14, Zone1 30-4-14 to 40-0-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=377, 11=377.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116111
4240528	T08	Monopitch	4	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:01 2024 Page 1
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1-6-0	4-6-9	3-8-15	3-0-2

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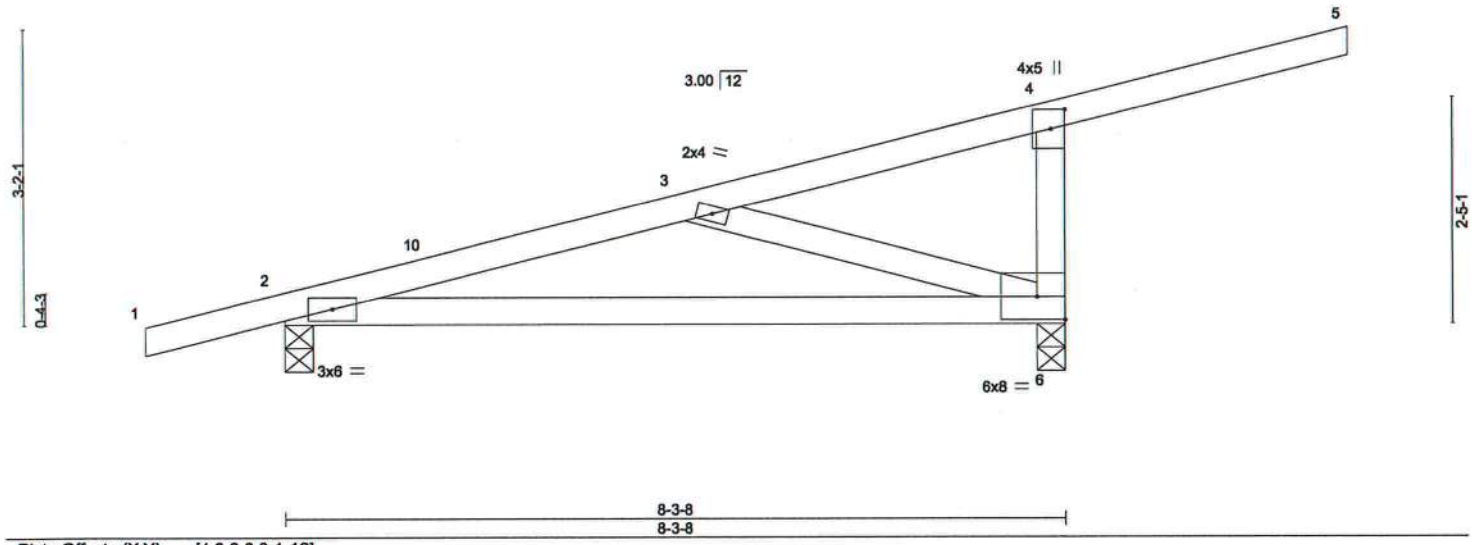

8-3-8
8-3-8

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

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	0.67	Vert(LL)	0.10	6-9	>956	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.18	6-9	>535	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 40 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=124(LC 8)
Max Uplift 2=-211(LC 8), 6=-278(LC 8)
Max Grav 2=357(LC 1), 6=497(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-396/166, 4-6=-310/390
BOT CHORD 2-6=-261/379
WEBS 3-6=-419/316

NOTES-
1) Wind: ASCE 7-22; 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 Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 11-3-10 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=211, 6=278.

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS
4240528	T08G	Monopitch Supported Gable	2	1	T35116112
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:02 2024 Page 1
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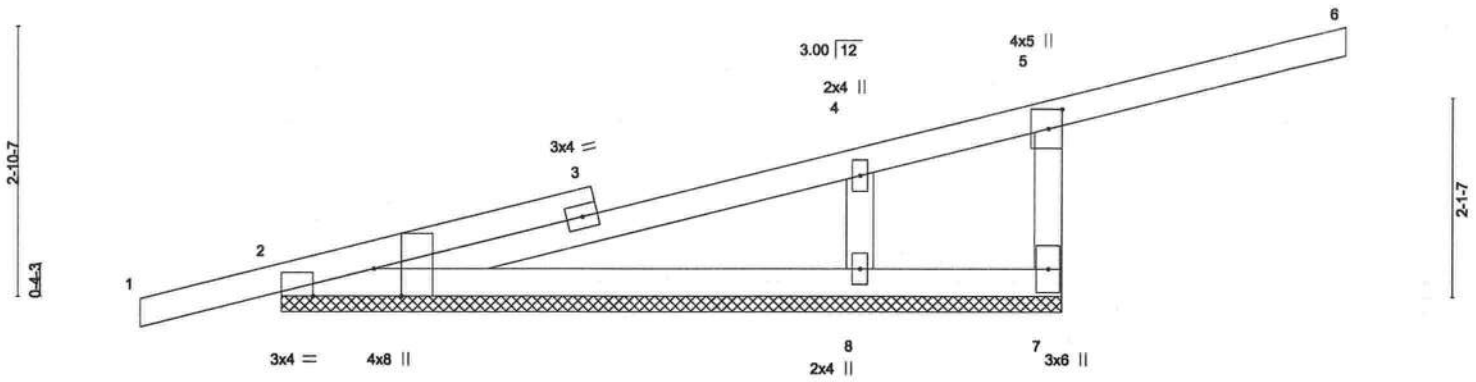

8-3-8
8-3-8

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-7-12,Edge], [5:0-2-8,0-1-12]

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	0.90	Vert(LL)	0.06	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.01	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 39 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 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=8-3-8, 7=8-3-8, 8=8-3-8
Max Horz 2=112(LC 8)
Max Uplift 2=-117(LC 8), 7=-160(LC 9), 8=-100(LC 12)
Max Grav 2=269(LC 1), 7=228(LC 1), 8=357(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-339/129, 4-5=-273/103, 5-7=-260/529
WEBS 4-8=-214/297

NOTES-
1) Wind: ASCE 7-22; 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 Zone3 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) 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) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=117, 7=160, 8=100.

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
September 27,2024

MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116113
4240528	T09	Monopitch	15	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:03 2024 Page 1
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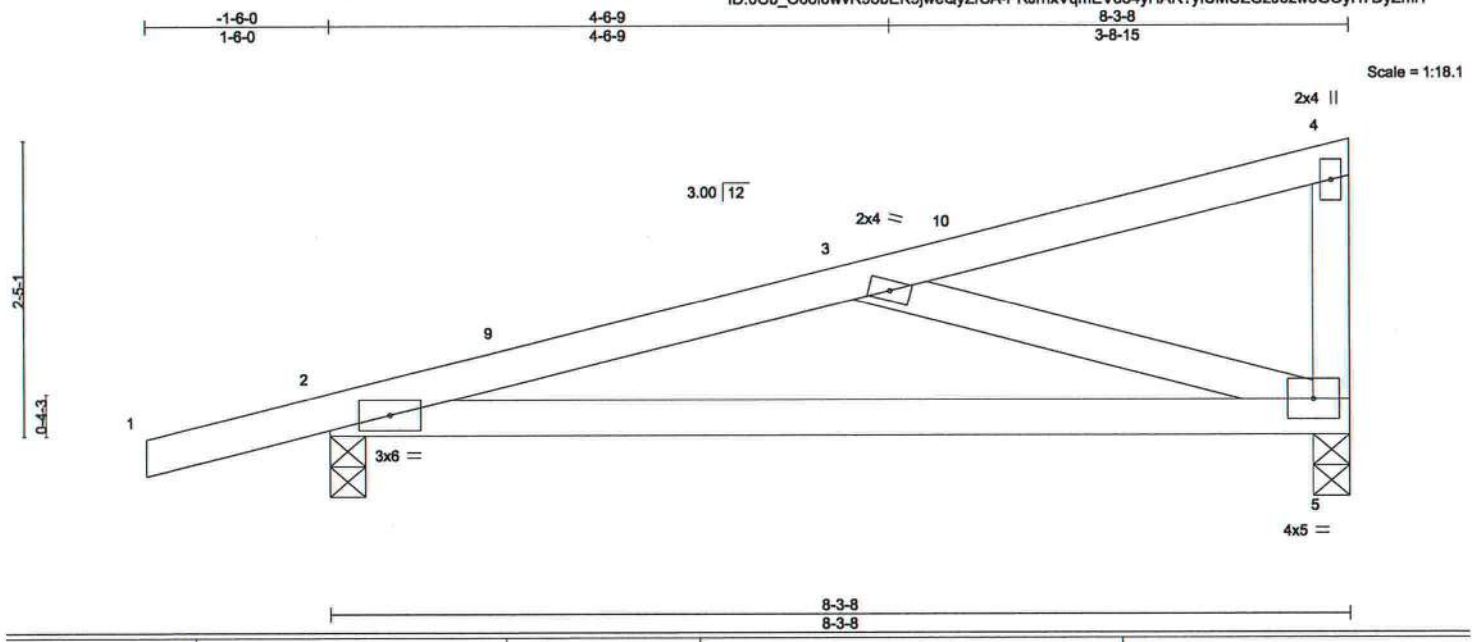

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.09	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.18	5-8	>541	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 36 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-11 oc bracing.

REACTIONS. (size) 2=0-3-8, 5=0-3-8
Max Horz 2=98(LC 8)
Max Uplift 2=-234(LC 8), 5=-178(LC 8)
Max Grav 2=390(LC 1), 5=294(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-556/473
BOT CHORD 2-5=-565/536
WEBS 3-5=-520/544

NOTES-
1) Wind: ASCE 7-22; 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 Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 8-1-12 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=234, 5=178.

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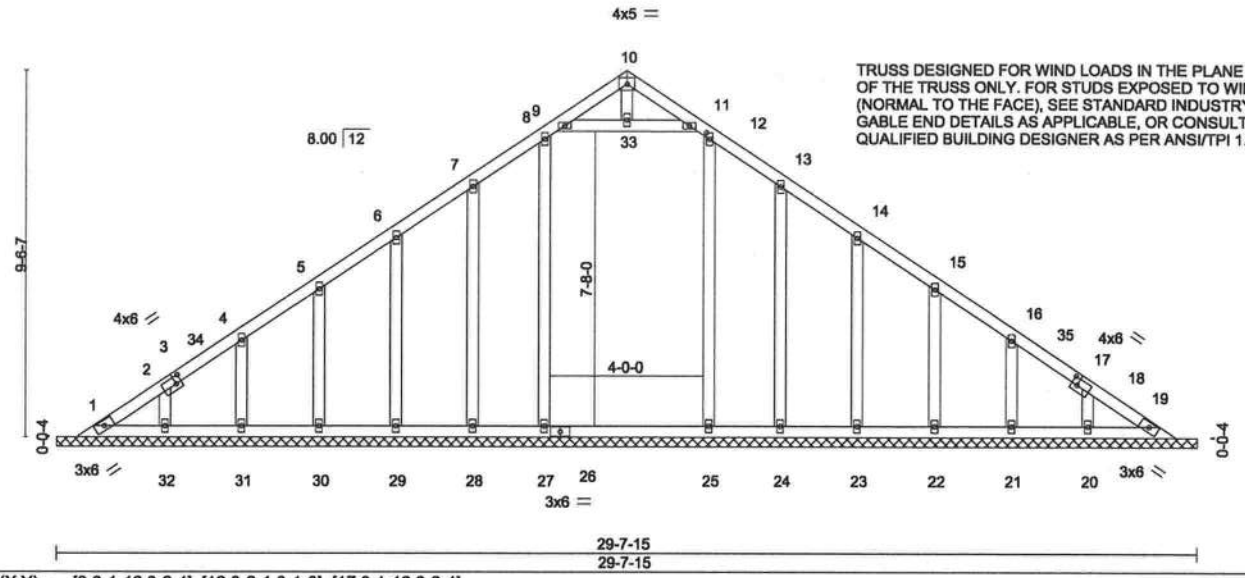
Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS
4240528	V01	GABLE	1	1	T35116114
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:03 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-PRJrhxVqmEVo54yHAR?ylUMbgG750yTeGOyH7DyZmlY

14-10-0 29-7-15
14-10-0 14-10-0

Scale = 1:57.8



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.

29-7-15
29-7-15

Plate Offsets (X,Y)-- [3:0-1-12,0-2-4], [12:0-2-1,0-1-0], [17:0-1-12,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	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	0.20	Horz(CT)	0.01	19	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 176 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.

REACTIONS. All bearings 29-7-15.
(lb) - Max Horz 1=-228(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 27, 28, 29, 30, 31, 32, 24, 23, 22, 21, 20, 19
Max Grav All reactions 250 lb or less at joint(s) 1, 28, 29, 30, 31, 32, 24, 23, 22, 21, 20, 19 except 27=345(LC 19), 25=306(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 7-22; 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 Zone3 1-0-1 to 4-0-1, Zone1 4-0-1 to 14-10-0, Zone2 14-10-0 to 18-10-0, Zone1 18-10-0 to 28-7-14 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, 27, 28, 29, 30, 31, 32, 24, 23, 22, 21, 20, 19.

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Date:
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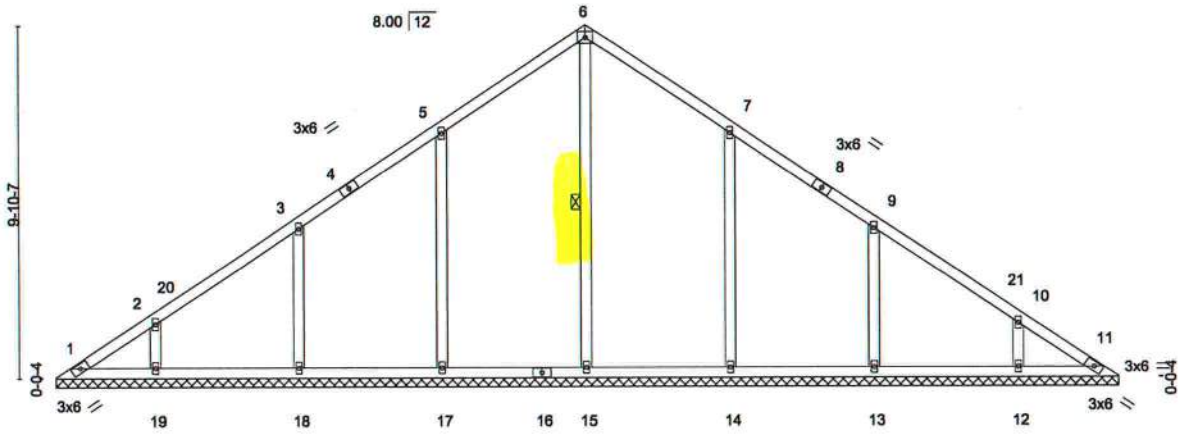
Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116115
4240528	V02	Valley	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:05 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-LpRb6dX4IsIWKO6fHs1QNvRvU4oTUsUxkiROC6yZmiW

14-9-11 / 14-9-11 — 29-7-6 / 14-9-11

4x5 =

Scale = 1:61.8



0-0-6 / 0-0-6 — 29-7-6 / 29-7-0

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 145 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 6-15

REACTIONS. All bearings 29-6-10.
(lb) - Max Horz 1=-236(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 11 except 17=-178(LC 12), 18=-167(LC 12), 19=-147(LC 12), 14=-177(LC 13), 13=-167(LC 13), 12=-147(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 11 except 15=390(LC 22), 17=456(LC 19), 18=412(LC 19), 19=330(LC 19), 14=455(LC 20), 13=412(LC 20), 12=330(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-17=-253/202, 7-14=-252/201

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 0-5-12 to 3-5-12, Zone1 3-5-12 to 14-9-11, Zone2 14-9-11 to 18-9-11, Zone1 18-9-11 to 29-1-9 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 except (jt=lb) 17=178, 18=167, 19=147, 14=177, 13=167, 12=147.

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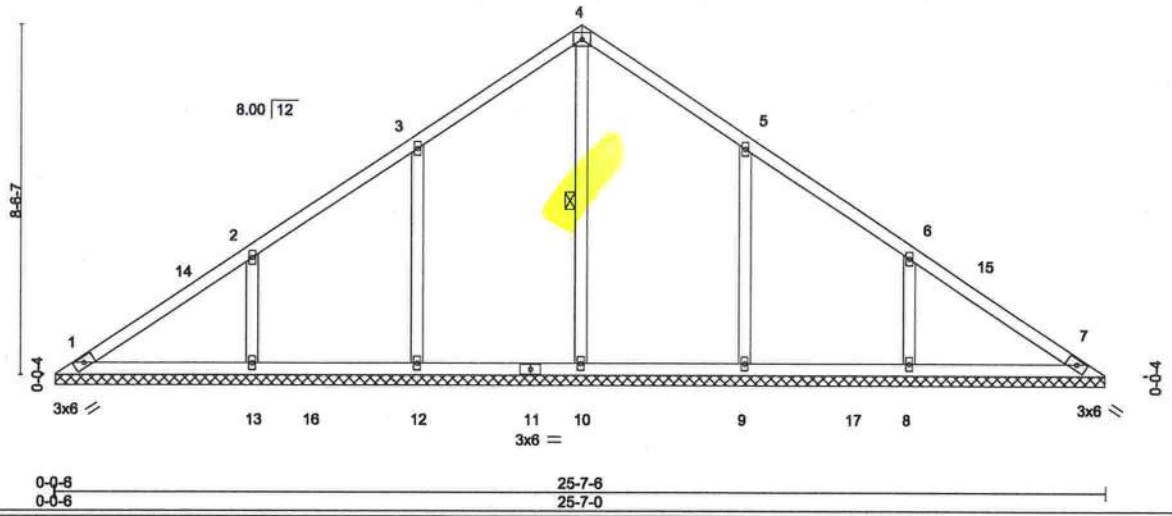
Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS
4240528	V03	Valley	1	1	T35116116
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:05 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-LpRb6dX4IsIWKO6fHs1QNvRu14oTUtpxkiROC8yZmiW

12-9-11 25-7-6
12-9-11 12-9-11

Scale = 1:54.2



0-0-6 25-7-6
0-0-6 25-7-0

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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 118 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 4-10

REACTIONS. All bearings 25-6-10.
(lb) - Max Horz 1=-203(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 12=-170(LC 12), 13=-194(LC 12), 9=-170(LC 13), 8=-195(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=380(LC 22), 12=433(LC 19), 13=455(LC 19), 9=433(LC 20), 8=455(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-13=-272/213, 6-8=-272/213

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 0-5-12 to 3-5-12, Zone1 3-5-12 to 12-9-11, Zone2 12-9-11 to 16-9-11, Zone1 16-9-11 to 25-1-9 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, 7 except (jt=lb) 12=170, 13=194, 9=170, 8=195.

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116117
4240528	V04	Valley	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:06 2024 Page 1
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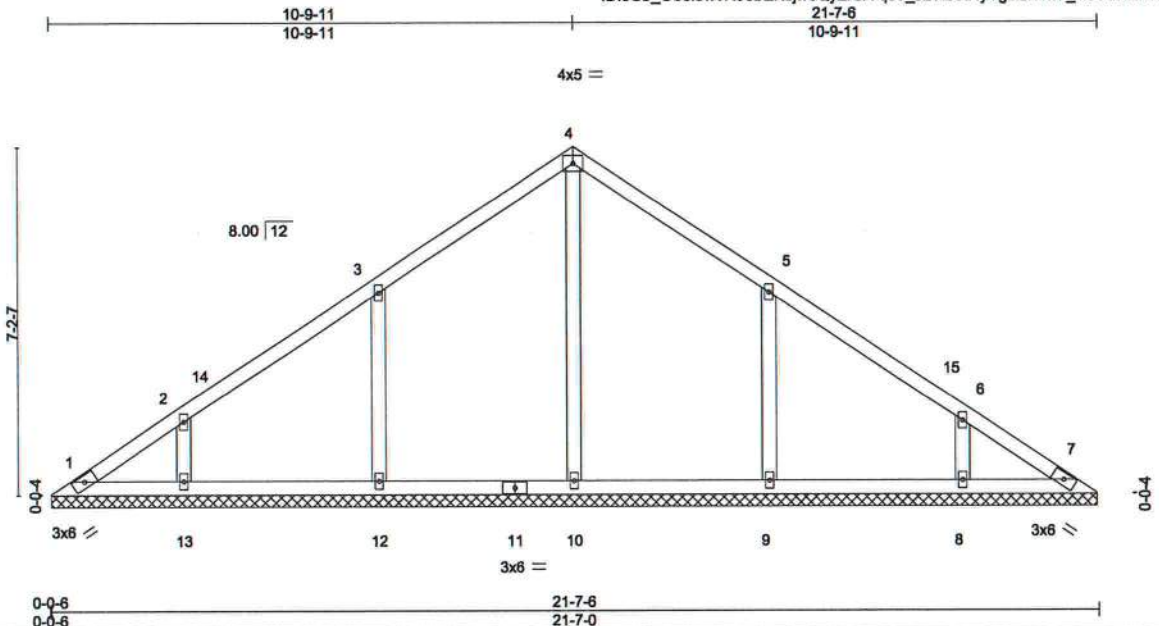

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 95 lb	FT = 20%

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

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

REACTIONS. All bearings 21-6-10.
(lb) - Max Horz 1=170(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 12=-184(LC 12), 13=-142(LC 12), 9=-184(LC 13), 8=-143(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=362(LC 22), 12=434(LC 19), 13=323(LC 19), 9=434(LC 20), 8=323(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-12=-261/209, 5-9=-261/209

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 0-5-12 to 3-5-12, Zone1 3-5-12 to 10-9-11, Zone2 10-9-11 to 14-9-11, Zone1 14-9-11 to 21-1-9 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, 7 except (jt=lb) 12=184, 13=142, 9=184, 8=143.

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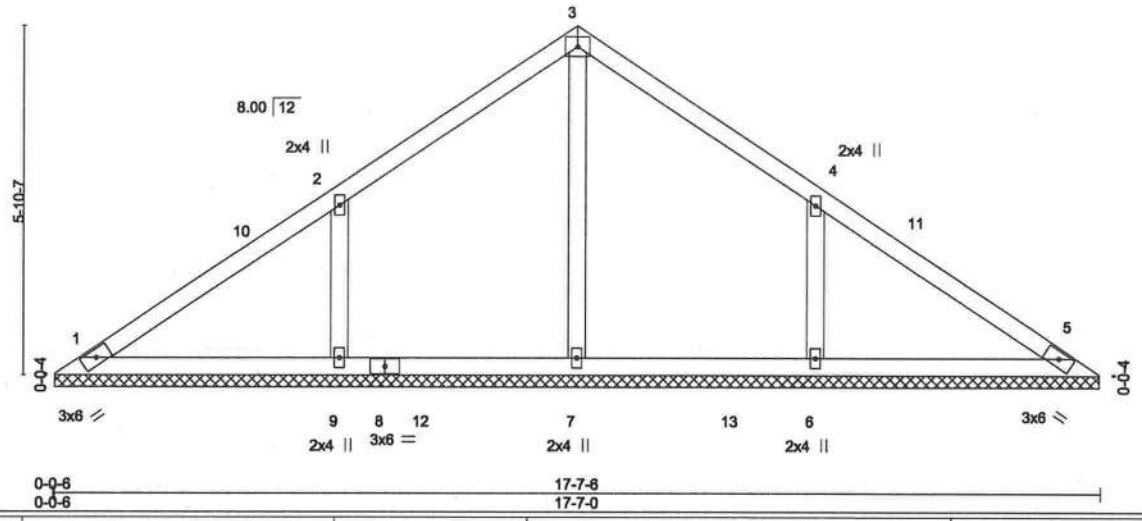
Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS
4240528	V05	Valley	1	1	T35116118
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:06 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-q0?_JzYl39tNyYgsrZYfw7_3QT8mDLx5yMBxkYyZmiV

8-9-11 17-7-6
8-9-11 8-9-11

4x5 =

Scale = 1:37.3



0-0-6 17-7-6
0-0-6 17-7-0

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	0.22	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	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 72 lb	FT = 20%

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

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

REACTIONS. All bearings 17-6-10.
(lb) - Max Horz 1=-137(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-210(LC 12), 6=-210(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=320(LC 19), 9=477(LC 19), 6=477(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-293/230, 4-6=-293/230

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 0-5-12 to 3-5-12, Zone1 3-5-12 to 8-9-11, Zone2 8-9-11 to 12-9-11, Zone1 12-9-11 to 17-1-9 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 9=210, 6=210.

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Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
September 27,2024

MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS	T35116119
4240528	V06	Valley	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:07 2024 Page 1
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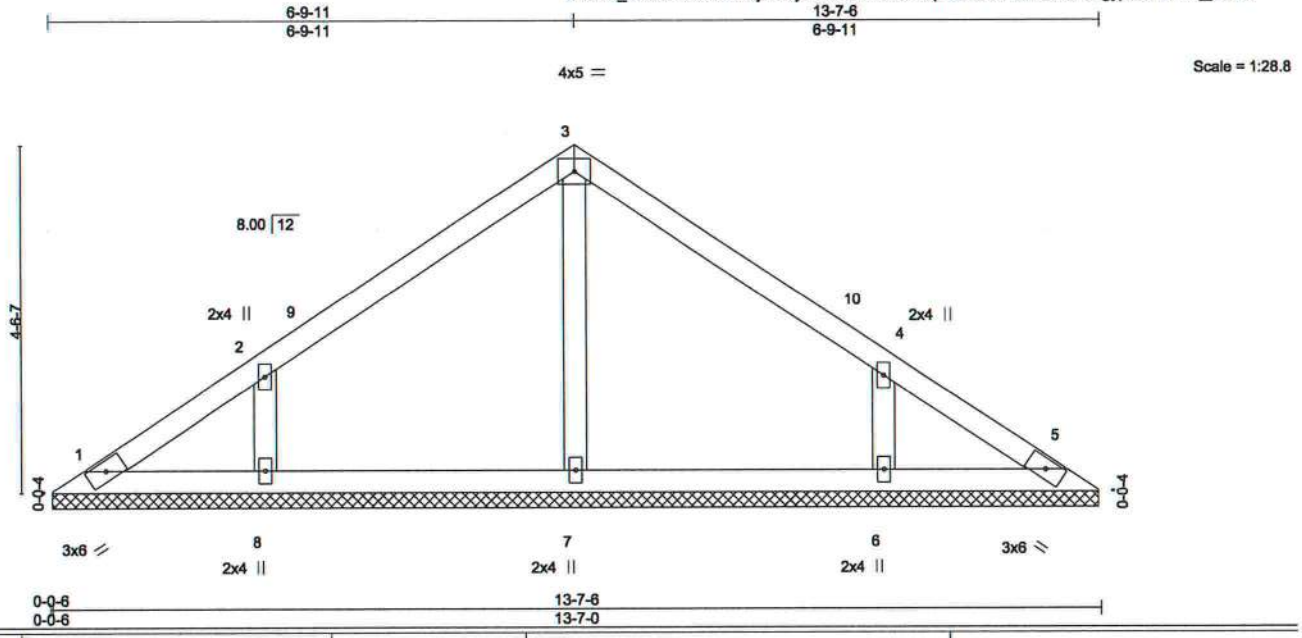

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 53 lb	FT = 20%

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

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

REACTIONS. All bearings 13-6-10.
(lb) - Max Horz 1=-104(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-164(LC 12), 6=-164(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=301(LC 19), 6=301(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 7-22; 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 Zone3 0-5-12 to 3-5-12, Zone1 3-5-12 to 6-9-11, Zone2 6-9-11 to 10-9-11, Zone1 10-9-11 to 13-1-9 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) 1, 5, 7 except (jt=lb) 8=164, 6=164.

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS
4240528	V07	Valley	1	1	T35116120
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:08 2024 Page 1
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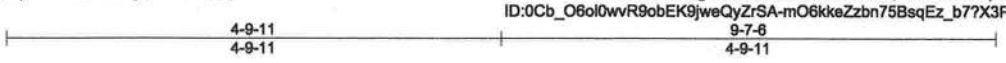

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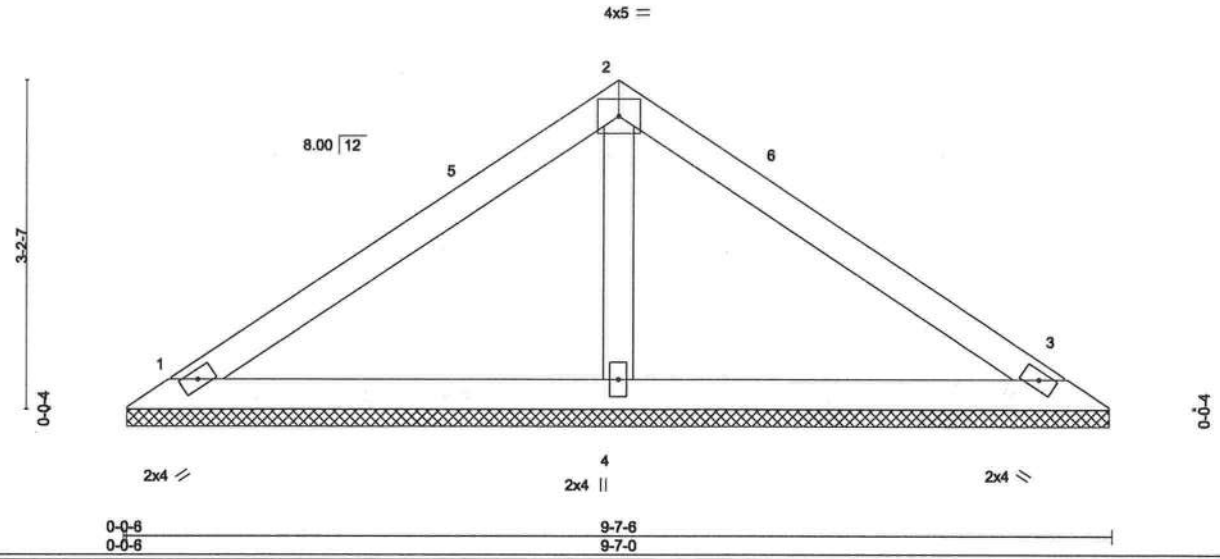

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 34 lb	FT = 20%

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

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

REACTIONS. (size) 1=9-6-10, 3=9-6-10, 4=9-6-10
Max Horz 1=-71(LC 8)
Max Uplift 1=-50(LC 12), 3=-59(LC 13), 4=-58(LC 12)
Max Grav 1=157(LC 1), 3=157(LC 1), 4=327(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 7-22; 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 Zone3 0-5-12 to 3-5-12, Zone1 3-5-12 to 4-9-11, Zone3 4-9-11 to 9-1-9 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) 1, 3, 4.

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Job	Truss	Truss Type	Qty	Ply	CALEB HARRIS
4240528	V08	Valley	1	1	T35116121
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 11:42:08 2024 Page 1
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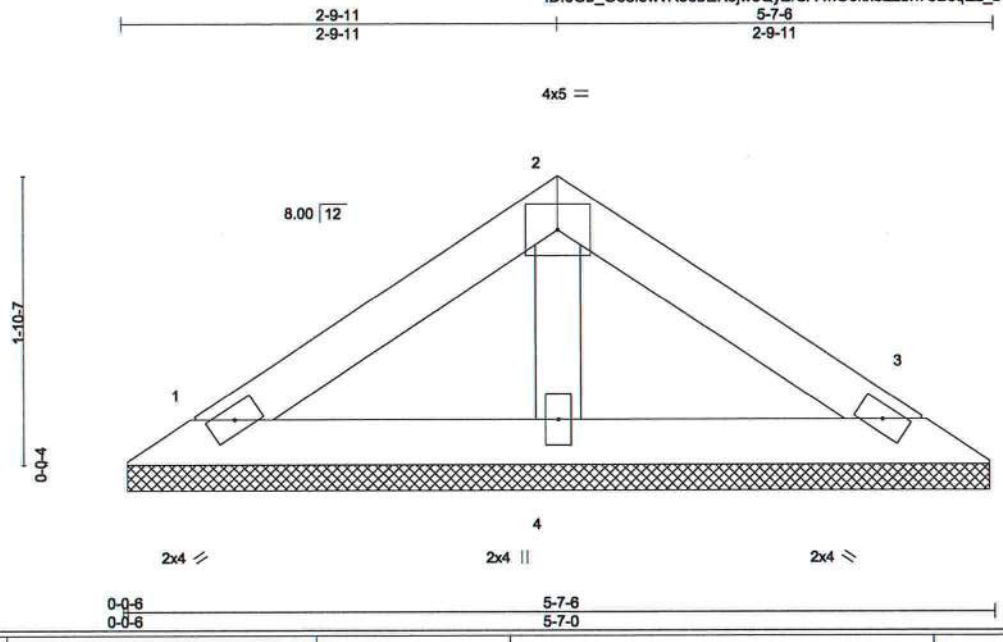

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 18 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-6-10, 3=5-6-10, 4=5-6-10
Max Horz 1=-38(LC 8)
Max Uplift 1=-32(LC 12), 3=-38(LC 13), 4=-20(LC 12)
Max Grav 1=92(LC 1), 3=92(LC 1), 4=160(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; 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 Zone3 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) 1, 3, 4.

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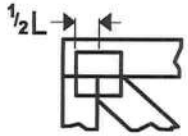
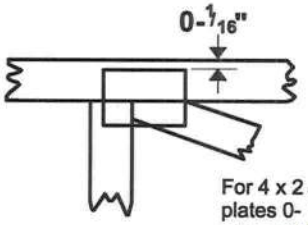
Symbols

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 software or upon request.

PLATE SIZE

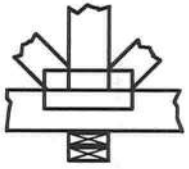
4 x 4

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

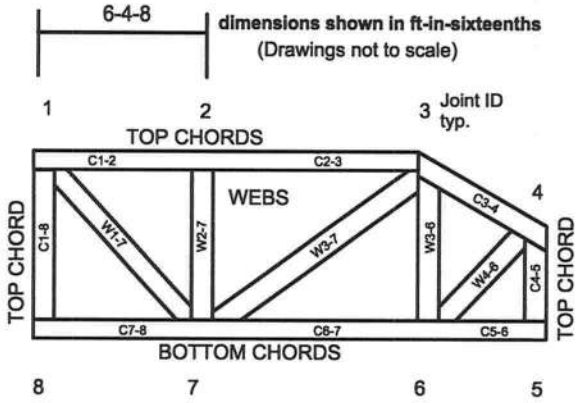


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & 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-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

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.

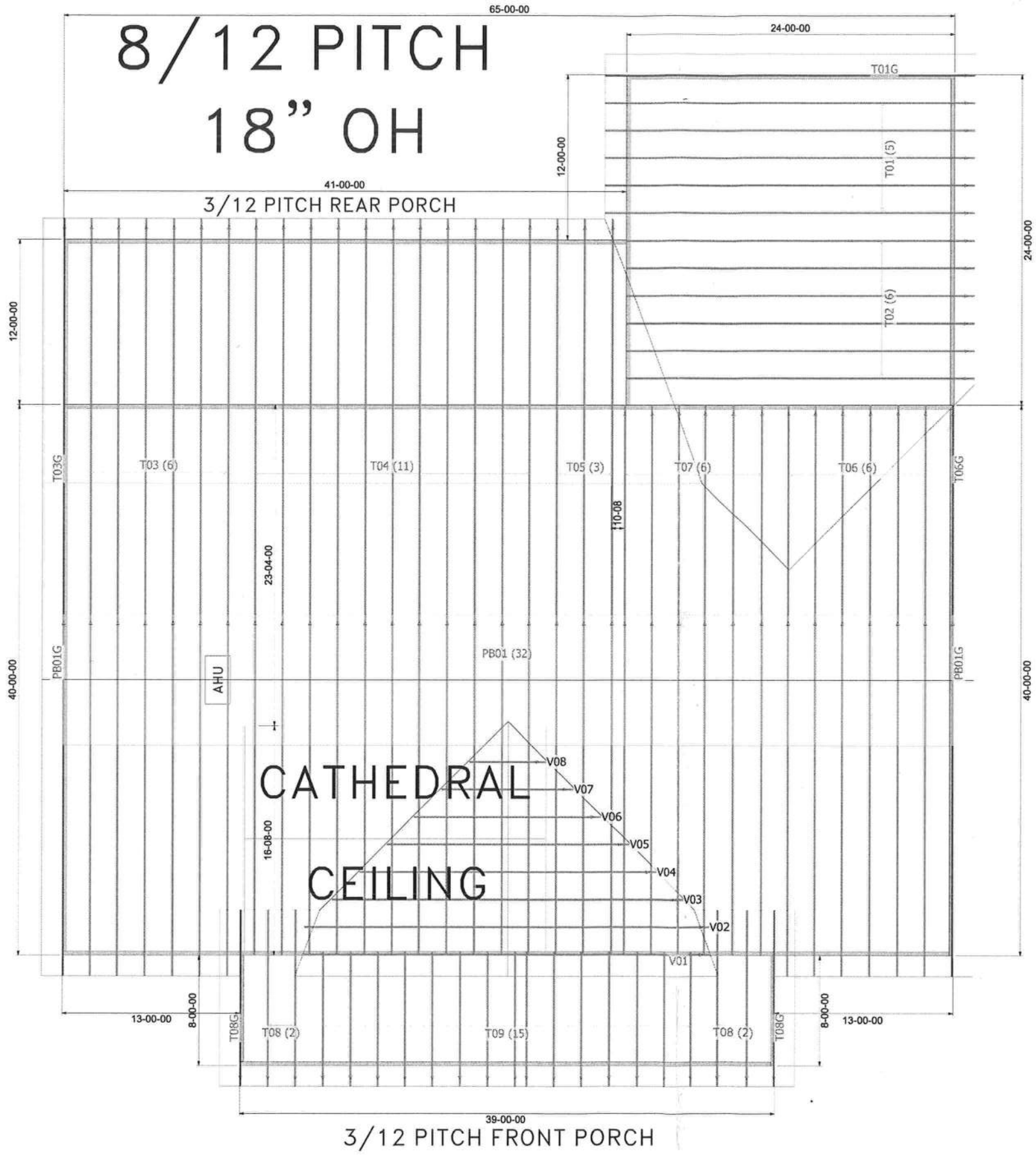
MiTek®

⚠ General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

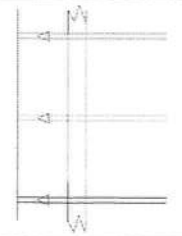
1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed 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.

8/12 PITCH
18" OH



MITEK PLATE APPROVAL #'S 2197.2–2197.4, BOISE EWP PRODUCT #'S LVL FL1644–R2, BCI JOISTS FL1392–R2

THE ARROW HEAD AT THE END OF THE TRUSS ON THE TRUSS PLACEMENT PLAN (LAYOUT) CORRESPONDS WITH THE LEFT SIDE OF THE INDIVIDUAL TRUSS DRAWING. USE THIS AS AN ORIENTATION GUIDE WHEN SETTING THE TRUSSES ON THE STRUCTURE.



General Notes:

- Per ANSI/TPI 1-2002 all " Truss to Wall" connections are the responsibility of the Building Designer, not the Truss Manufacturer.
- Use Manufacturer's specifications for all hanger connections unless noted otherwise.
- Trusses are to be 24" o.c. U.N.O.
- All hangers are to be Simpson or equivalent U.N.O.- Use 10d x 1 1/2" Nails in hanger connections to single ply girder trusses.
- Trusses are not designed to support brick U.N.O.
- Dimensions are Feet-Inches- Sixteenths

Notes:

No back charges will be accepted by Builders FirstSource unless approved in writing first. 850-835-4541

ACQ lumber is corrisive to truss plates. Any ACQ lumber that comes in contact with truss plates (i.e. scabbed on taile) must have an approved barrier applied first.

Refer to BCSI-B1 Summary Sheet-Guide for handling, Installing and Bracing of Metal Plate Connected Wood Truss prior to and during truss installation.

It is the responsibility of the Contractor to ensure of the proper orientation of the truss placement plans as to the construction documents and field conditions of the structure orientation. If a reversed or flipped layout is required, it will be supplied at no extra cost by Builders FirstSource.

It is the responsibility of the Contractor to make sure the placement of trusses are adjusted for plumbing drops, can lights, ect..., so the trusses do not interfere with these type of items.

All common framed roof or floor systems must be designed as to NOT impose any loads on the floor trusses below. The floor trusses have not been designed to carry any additional loads from above.

This truss placement plan was not created by an engineer, but rather by the Builders FirstSource staff and is solely to be used as an installation guide and does not require a seal. Complete truss engineering and analysis can be found on the truss design drawings which may be sealed by the truss design engineer.

Gable end trusses require continuous bottom chord bearing. Refer to local codes for wall framing requirements.

Although all attempts have been made to do so, trusses may not be designed symmetrically. Please refer to the individual truss drawings and truss placement plans for proper orientation and placement.

Builders FIRSTSOURCE

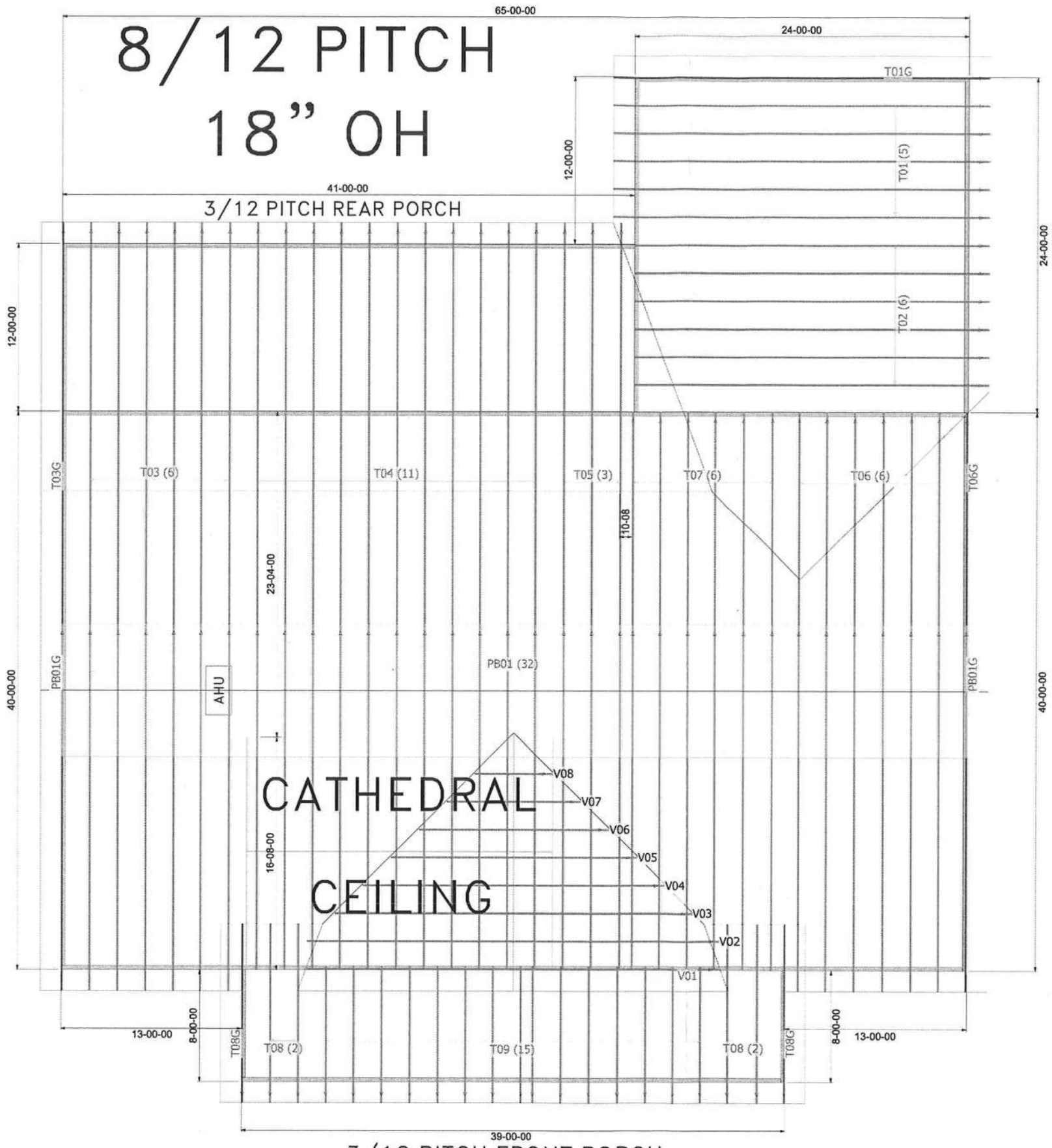
Lake City
PHONE: 386-755-6894
FAX: 386-755-7973

Jacksonville
PHONE: 904-772-6100
FAX: 904-772-1973

Tallahassee
PHONE: 850-576-5177

Builder:	GIEBEIG CONST.
Legal Address:	Caleb Harris Res.
Model:	Custom

Date:	Drawn By:	Original Ref #:
9-26-24	KLH	4240528
Floor 1 Job#	Floor 2 Job#:	Roof Job #:
N/A	N/A	4240528



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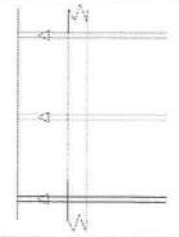

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Date:	Drawn By:	Original Ref #:
9-26-24	KLH	4240528
Floor 1 Job#	Floor 2 Job#:	Roof Job #:
N/A	N/A	4240528