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: 4025952 - G. BUZBEE - GASKINS RES.

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

Site Information:

Customer Info: G. BUZBEE INC. Project Name: Gaskins Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 588 SW Weatherby Place, 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: 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	T34001289	EJ01G	5/29/24	15	T34001303	T09G	5/29/24
2	T34001290	T01	5/29/24	16	T34001304	T10	5/29/24
3	T34001291	T01G	5/29/24	17	T34001305	T11	5/29/24
4	T34001292	T01GG	5/29/24	18	T34001306	T12	5/29/24
5	T34001293	T02	5/29/24	19	T34001307	T12G	5/29/24
6	T34001294	T03	5/29/24	20	T34001308	T13	5/29/24
7	T34001295	T04	5/29/24	21	T34001309	T14	5/29/24
8	T34001296	T04G	5/29/24	22	T34001310	T14G	5/29/24
9	T34001297	T05	5/29/24	23	T34001311	T15G	5/29/24
10	T34001298	T05G	5/29/24				
11	T34001299	T06	5/29/24				
12	T34001300	T08	5/29/24				
13	T34001301	T08G	5/29/24				
14	T34001302	T09	5/29/24				

This item has been digitally signed and sealed by Velez, Joaquin, PE on the date adjacent to the seal.
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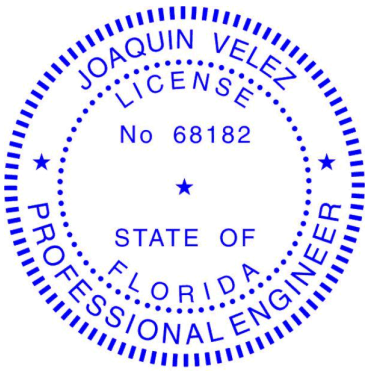
The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Lake City, FL.

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:

May 29,2024

Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	EJ01G	Monopitch Supported Gable	1	1	T34001289
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:34 2024 Page 1
ID:ZOT_wKId2GtvlveDQP8emGzHyHt-7?YsiXlv2S1PW2Qy2ImoNvLgX6PAjSlx6qqid5zC_s?

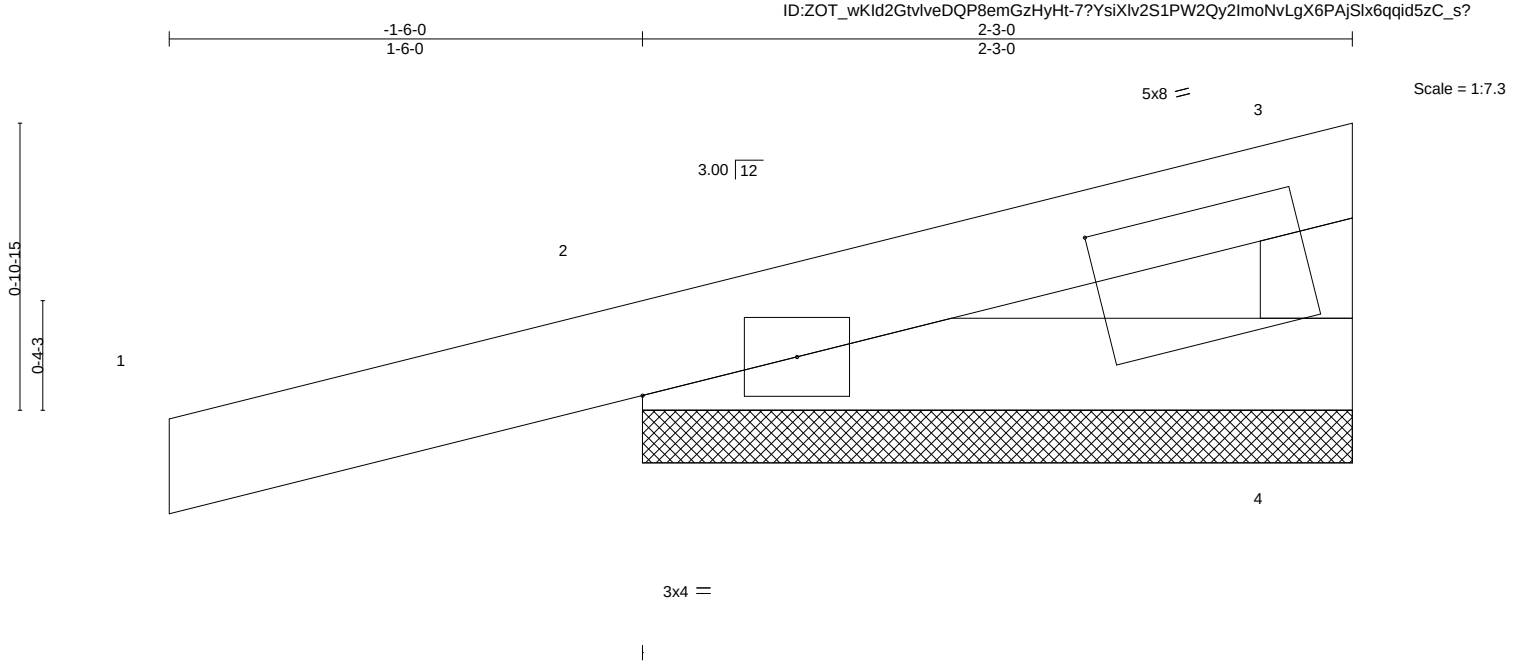


Plate Offsets (X,Y)-- [3:1-5-12,0-1-12]

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	0.21	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 10 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=2-3-0, 2=2-3-0
Max Horz 2=39(LC 8)
Max Uplift 4=-15(LC 12), 2=-111(LC 8)
Max Grav 4=49(LC 3), 2=188(LC 1)

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

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;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) 4 except (jt=lb) 2=111.

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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

May 29,2024

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

Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T01	Common	5	1	T34001290
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:34 2024 Page 1
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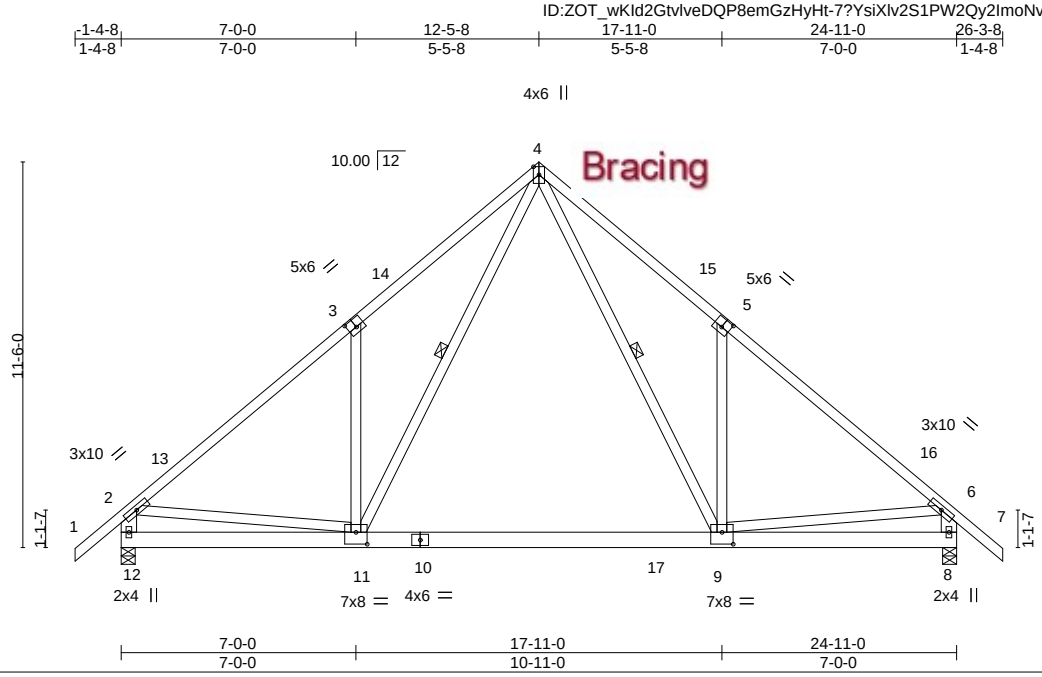

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [5:0-3-0,0-3-0], [6:0-0-0,0-0-0], [9:0-4-0,0-4-4], [11:0-4-0,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.21	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.40	9-11	>740	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 189 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3 *Except*
2-12,6-8: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-9, 4-11

REACTIONS. (size) 12=0-5-0, 8=0-5-0
Max Horz 12=317(LC 11)
Max Uplift 12=-350(LC 12), 8=-350(LC 13)
Max Grav 12=1448(LC 19), 8=1448(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1746/422, 3-4=-1769/652, 4-5=-1767/652, 5-6=-1745/422, 2-12=-1439/386, 6-8=-1437/385
BOT CHORD 11-12=-330/422, 9-11=-95/909
WEBS 4-9=-478/1162, 5-9=-382/364, 4-11=-478/1164, 3-11=-383/364, 2-11=-138/1171, 6-9=-145/1180

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 -1-4-8 to 1-7-8, Zone1 1-7-8 to 12-5-8, Zone2 12-5-8 to 16-8-7, Zone1 16-8-7 to 26-3-8 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) 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) 12=350, 8=350.
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: 1-2=-54, 2-4=-54, 4-6=-54, 6-7=-54, 11-12=-20, 9-11=-80(F=-60), 8-9=-20

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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:

May 29,2024

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

Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T01G	GABLE	1	1	T34001291
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:35 2024 Page 1
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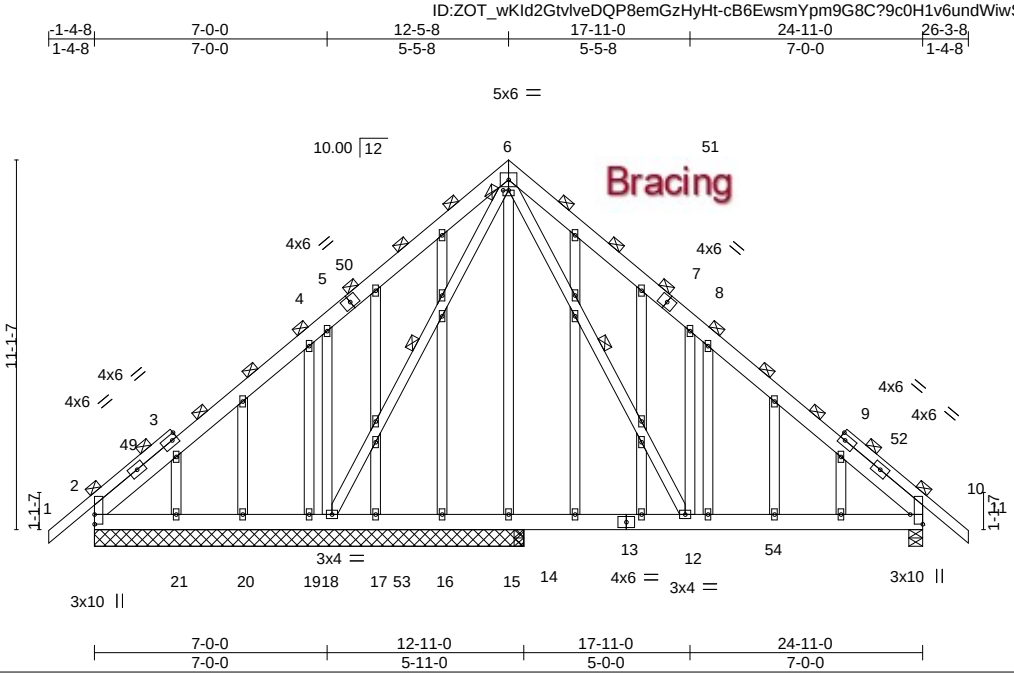

Plate Offsets (X,Y)-- [2:Edge,0-0-0], [4:0-0-0,0-0-0], [6:0-2-0,0-0-0], [10:Edge,0-4-8], [31:0-0-0,0-0-0], [31:0-0-0,0-0-0], [34:0-0-0,0-0-0], [34:0-0-0,0-0-0]

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	0.45	Vert(LL)	-0.03	12-47	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.05	12-47	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 292 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
1-3,9-11: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
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 6-12, 6-18

REACTIONS. All bearings 12-11-0 except (jt=length) 10=0-5-0, 14=0-3-8.
(lb) - Max Horz 2=273(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 20, 14 except 18=-349(LC 12), 15=-488(LC 20), 21=-158(LC 12), 10=-196(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 15, 16, 17, 19, 20, 21, 2 except 2=257(LC 20), 18=714(LC 19), 10=781(LC 20), 14=683(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-8=-821/451, 8-10=-701/170
BOT CHORD 17-18=-30/297, 16-17=-30/297, 15-16=-30/297, 14-15=-30/297, 12-14=-30/297, 10-12=-19/502
WEBS 6-12=-411/770, 8-12=-446/393, 6-18=-431/72, 4-18=-421/381

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 -1-4-8 to 1-7-8, Zone1 1-7-8 to 12-5-8, Zone2 12-5-8 to 16-8-7, Zone1 16-8-7 to 26-3-8 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) 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) 2, 19, 20, 14, 2 except (jt=lb) 18=349, 15=488, 21=158, 10=196.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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.

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

May 29,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T01GG	Common Supported Gable	1	1	T34001292
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:36 2024 Page 1
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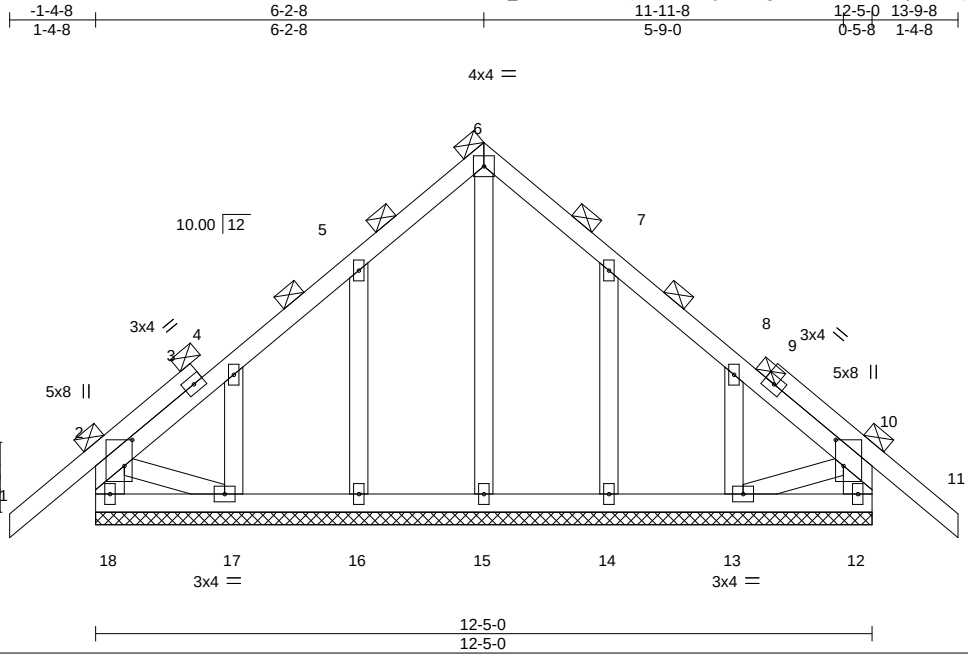

Plate Offsets (X,Y)-- [2:0-5-0,0-1-8], [10:0-5-0,0-1-8]

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	0.21	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 87 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2 *Except*
2-17,10-13: 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 12-5-0.
(lb) - Max Horz 18=-175(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 18, 12 except 16=-109(LC 12), 17=-123(LC 12), 14=-109(LC 13), 13=-119(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 18, 12, 15, 16, 17, 14, 13

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; 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) 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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) 18, 12 except (jt=lb) 16=109, 17=123, 14=109, 13=119.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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:

May 29,2024

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T02	Common	7	1	T34001293
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:37 2024 Page 1
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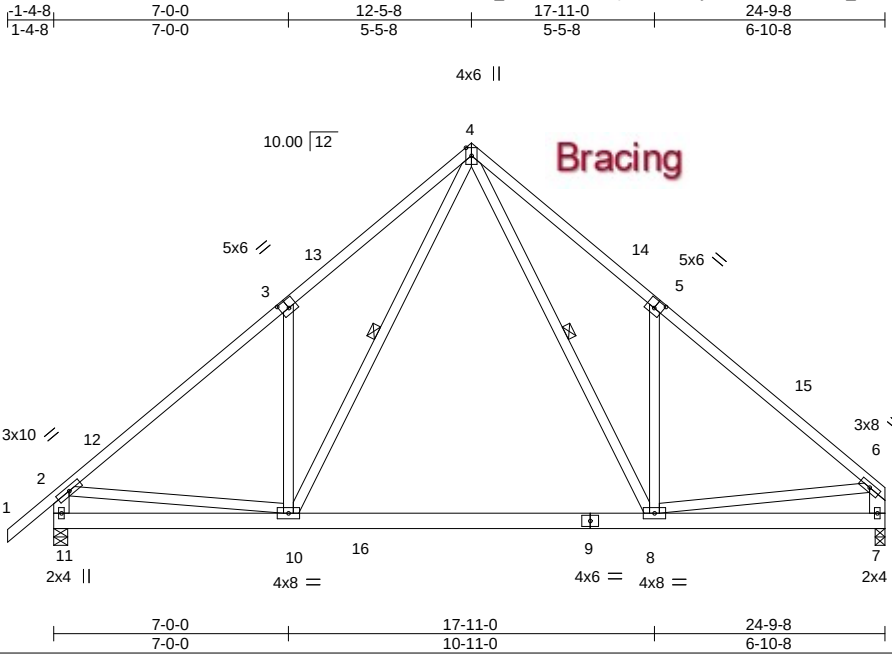

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [5:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.21	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.40	8-10	>739	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 186 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3 *Except*
2-11,6-7: 2x6 SP No.2

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

REACTIONS. (size) 11=0-5-0, 7=0-3-8
Max Horz 11=307(LC 11)
Max Uplift 11=-349(LC 12), 7=-308(LC 13)
Max Grav 11=1443(LC 19), 7=1361(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1739/420, 3-4=-1761/651, 4-5=-1762/655, 5-6=-1722/414, 2-11=-1433/385, 6-7=-1356/342
BOT CHORD 10-11=-345/406, 8-10=-116/887
WEBS 3-10=-383/365, 4-10=-479/1163, 4-8=-482/1158, 5-8=-406/383, 2-10=-140/1167, 6-8=-201/1222

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 -1-4-8 to 1-7-8, Zone1 1-7-8 to 12-5-8, Zone2 12-5-8 to 16-8-7, Zone1 16-8-7 to 24-6-12 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) 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) 11=349, 7=308.
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: 1-2=-54, 2-4=-54, 4-6=-54, 10-11=-20, 8-10=-80(F=-60), 7-8=-20

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Date:

May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T03	Roof Special	2	1	T34001294
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:37 2024 Page 1
ID:ZOT_wKId2GtvlveDQP8emGzHyHt-YZE?KYooLNP_NV9XjRJV?Xz3sJJIwmyNoo3MCQzC_ry

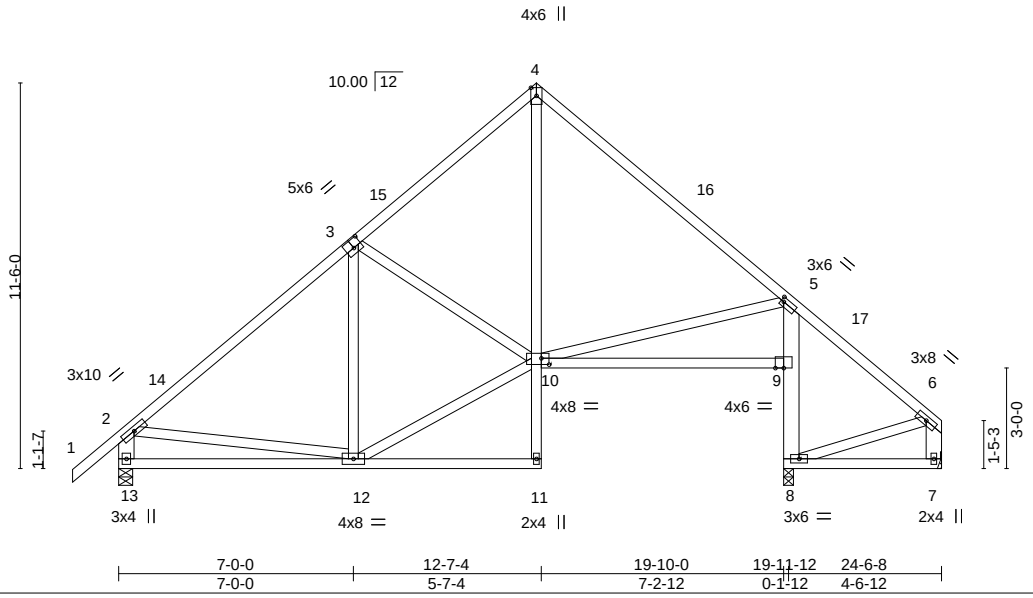

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [5:0-1-0,0-1-8], [10:0-2-12,0-2-4]

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	0.65	Vert(LL)	-0.11	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.22	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 173 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-11: 2x4 SP No.3, 5-8: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
2-13,6-7: 2x6 SP No.2

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

REACTIONS. (size) 13=0-5-0, 8=0-3-8, 7=Mechanical
Max Horz 13=293(LC 9)
Max Uplift 13=-207(LC 12), 8=-188(LC 12), 7=-69(LC 13)
Max Grav 13=817(LC 1), 8=929(LC 1), 7=131(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-796/217, 3-4=-654/234, 4-5=-705/257, 2-13=-752/232
BOT CHORD 12-13=-342/410, 4-10=-178/441, 8-9=-876/198, 5-9=-797/221
WEBS 10-12=-215/693, 5-10=-109/408, 2-12=-50/366

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 -1-4-8 to 1-7-8, Zone1 1-7-8 to 12-5-8, Zone2 12-5-8 to 16-8-7, Zone1 16-8-7 to 24-3-12 zone; end vertical 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) 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 13=207, 8=188.

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May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES. T34001295
4025952	T04	Common	6	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:38 2024 Page 1
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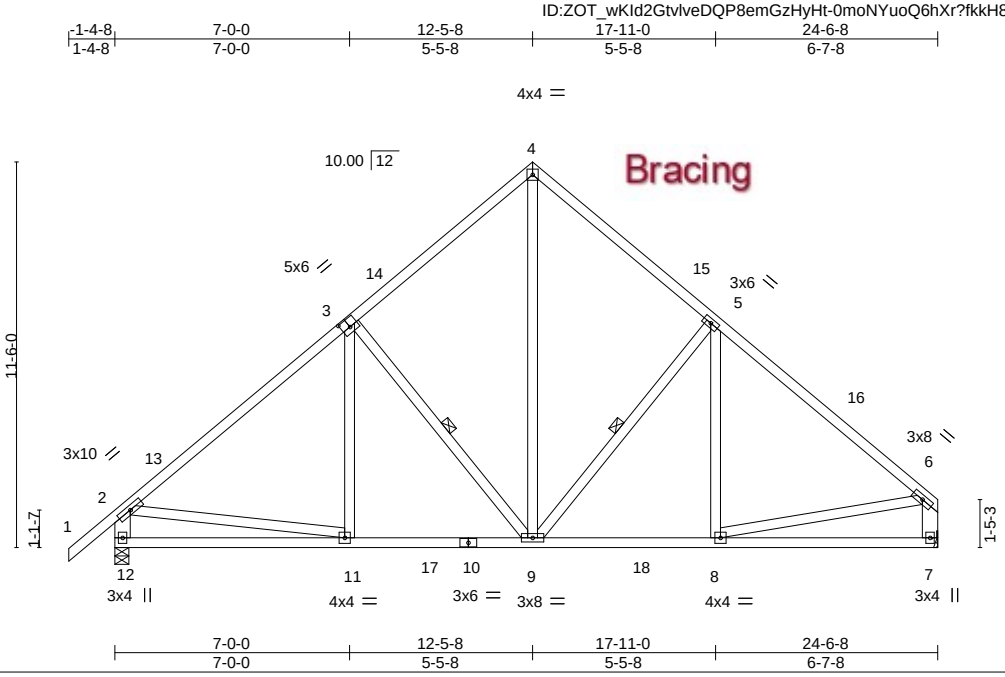

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.06	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.11	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 170 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-12,6-7: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-9, 5-9

REACTIONS. (size) 12=0-5-0, 7=Mechanical
Max Horz 12=293(LC 9)
Max Uplift 12=-240(LC 12), 7=-198(LC 13)
Max Grav 12=1092(LC 19), 7=1005(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1130/254, 3-4=-836/310, 4-5=-836/311, 5-6=-1087/245, 2-12=-982/260, 6-7=-901/215
BOT CHORD 11-12=-341/448, 9-11=-231/936, 8-9=-120/790
WEBS 3-9=-456/271, 4-9=-259/719, 5-9=-420/267, 2-11=-35/652, 6-8=-87/700

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 -1-4-8 to 1-7-8, Zone1 1-7-8 to 12-5-8, Zone2 12-5-8 to 16-8-7, Zone1 16-8-7 to 24-3-12 zone; end vertical 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) 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=240, 7=198.

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Date:

May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T04G	GABLE	1	1	T34001296
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:38 2024 Page 1
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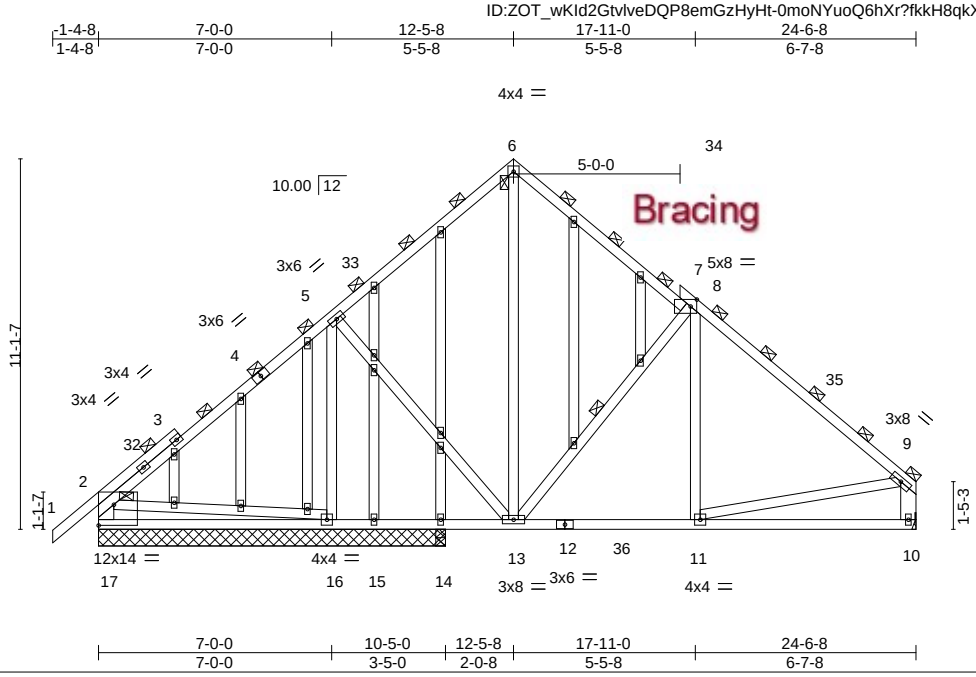

Plate Offsets (X,Y)-- [8:0-2-4,0-2-8], [17:Edge,0-7-8]

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	0.51	Vert(LL)	-0.05	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.09	16-17	>866	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 226 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-17,9-10: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 8-13

REACTIONS. All bearings 10-5-0 except (jt=length) 10=Mechanical, 14=0-3-8, 14=0-3-8.
(lb) - Max Horz 17=281(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 17, 14 except 16=-303(LC 12), 10=-137(LC 13), 15=-119(LC 19)
Max Grav All reactions 250 lb or less at joint(s) 15, 14, 14 except 17=338(LC 25), 16=1116(LC 19), 10=702(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-417/216, 6-8=-356/184, 8-9=-684/147, 2-17=-278/87, 9-10=-601/154
BOT CHORD 16-17=-421/539, 11-13=-38/477
WEBS 5-16=-771/291, 5-13=-46/407, 8-13=-476/275, 8-11=0/255, 2-16=-446/420, 9-11=-11/399

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 -1-4-8 to 1-7-8, Zone1 1-7-8 to 12-5-8, Zone2 12-5-8 to 16-8-7, Zone1 16-8-7 to 24-3-12 zone; end vertical 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) 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) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 14 except (jt=lb) 16=303, 10=137, 15=119.
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:

May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T05	COMMON	5	1	T34001297
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:39 2024 Page 1
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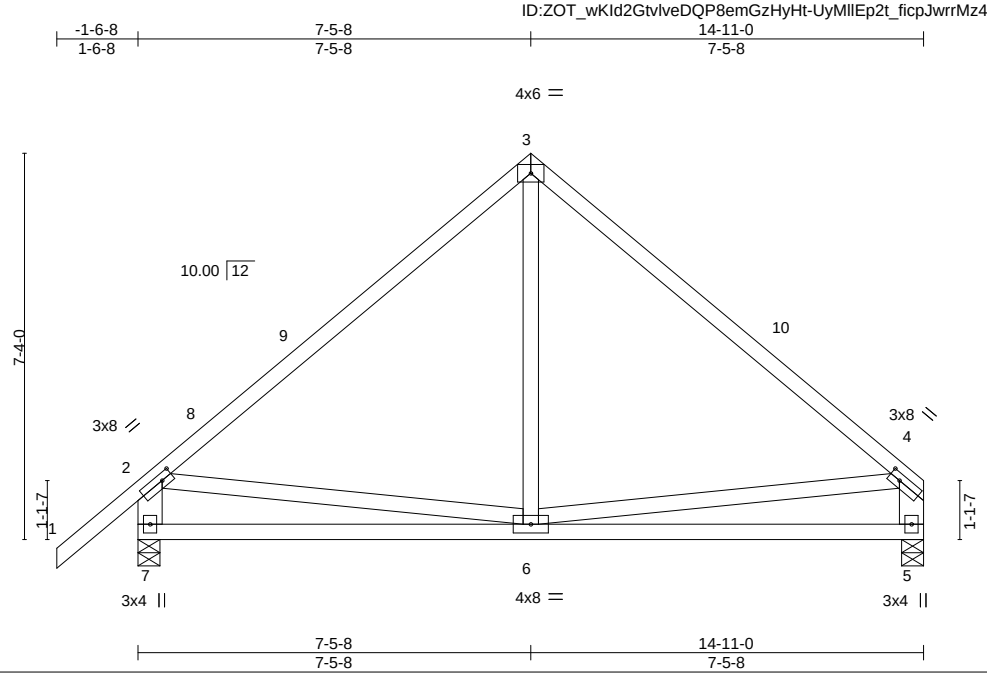

Plate Offsets (X,Y)-- [2:0-2-8,0-1-8], [4:0-2-8,0-1-8]

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	0.64	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.11	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 89 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-7,4-5: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-5-0, 5=0-5-0
Max Horz 7=208(LC 9)
Max Uplift 7=-164(LC 12), 5=-118(LC 13)
Max Grav 7=636(LC 1), 5=529(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-534/177, 3-4=-524/179, 2-7=-573/286, 4-5=-466/201
BOT CHORD 6-7=-333/423
WEBS 3-6=-4/298, 2-6=-162/314

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 -1-6-8 to 1-5-8, Zone1 1-5-8 to 7-5-8, Zone2 7-5-8 to 11-8-7, Zone1 11-8-7 to 14-8-4 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=164, 5=118.

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Date:

May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T05G	Common Supported Gable	1	1	T34001298
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:39 2024 Page 1
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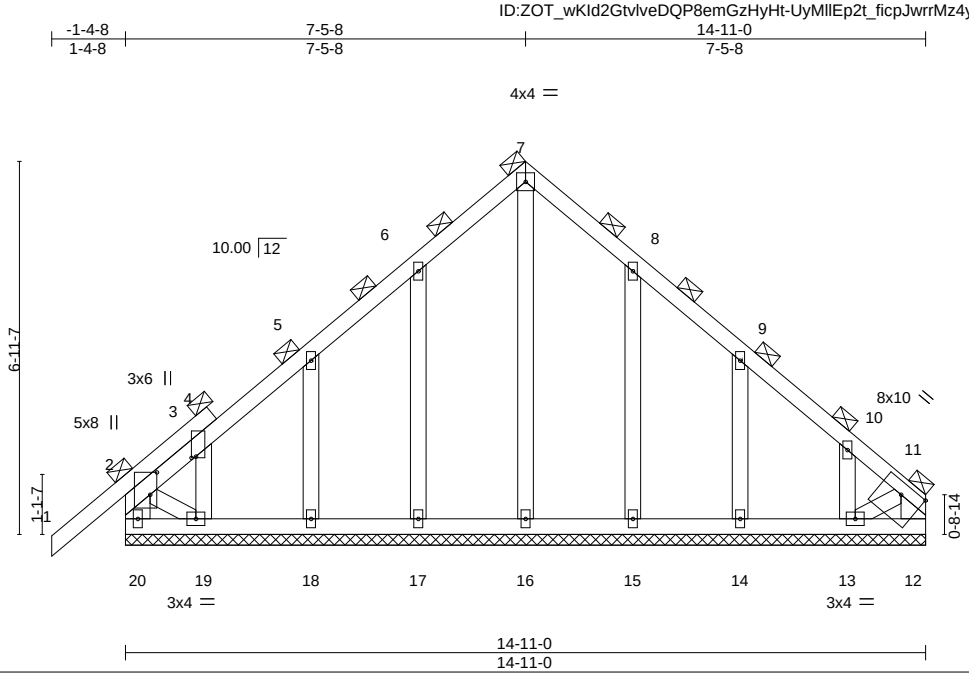

Plate Offsets (X,Y)-- [2:0-5-0,0-1-8], [3:0-0-5,0-1-0], [11:0-5-0,0-2-8]

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	0.19	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 99 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2 *Except*
2-19,11-13: 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 19-20.

REACTIONS. All bearings 14-11-0.
(lb) - Max Horz 20=189(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 20, 12, 18 except 17=-106(LC 12), 19=-149(LC 12), 15=-103(LC 13), 14=-105(LC 13), 13=-150(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 20, 12, 16, 17, 18, 19, 15, 14, 13

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; 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) 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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) 20, 12, 18 except (jt=lb) 17=106, 19=149, 15=103, 14=105, 13=150.
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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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

May 29,2024

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

Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T06	COMMON	2	1	T34001299
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:40 2024 Page 1
ID:ZOT_wKId2GtvlveDQP8emGzHyHt-y8w7zaqgeInZEzu6OZtCcAbb?XMS78dpUmH0plzC_rv

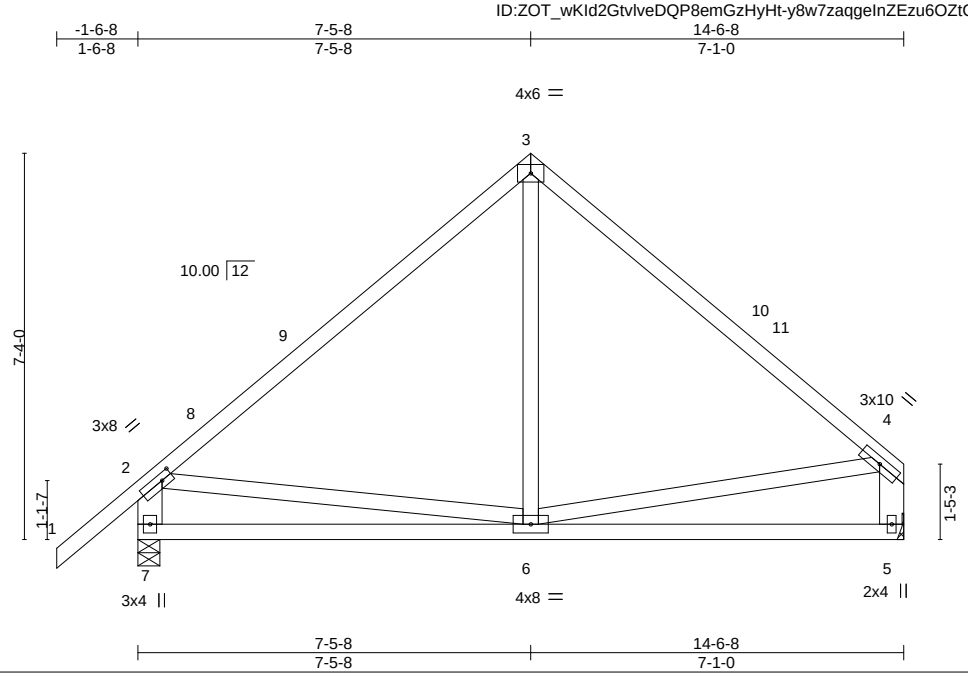

Plate Offsets (X,Y)-- [2:0-2-8,0-1-8]

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	0.60	Vert(LL)	-0.06	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.11	6-7	>999	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: 88 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-7,4-5: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-10-6 oc bracing.

REACTIONS. (size) 7=0-5-0, 5=Mechanical
Max Horz 7=192(LC 9)
Max Uplift 7=-160(LC 12), 5=-112(LC 13)
Max Grav 7=623(LC 1), 5=515(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-514/173, 3-4=-496/181, 2-7=-558/286, 4-5=-456/200
BOT CHORD 6-7=-358/417
WEBS 3-6=-6/280, 2-6=-169/319

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 -1-6-8 to 1-5-8, Zone1 1-5-8 to 7-5-8, Zone2 7-5-8 to 11-8-7, Zone1 11-8-7 to 14-3-12 zone; end vertical 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) 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=160, 5=112.

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Date:

May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T08	Common	2	1	T34001300
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:40 2024 Page 1
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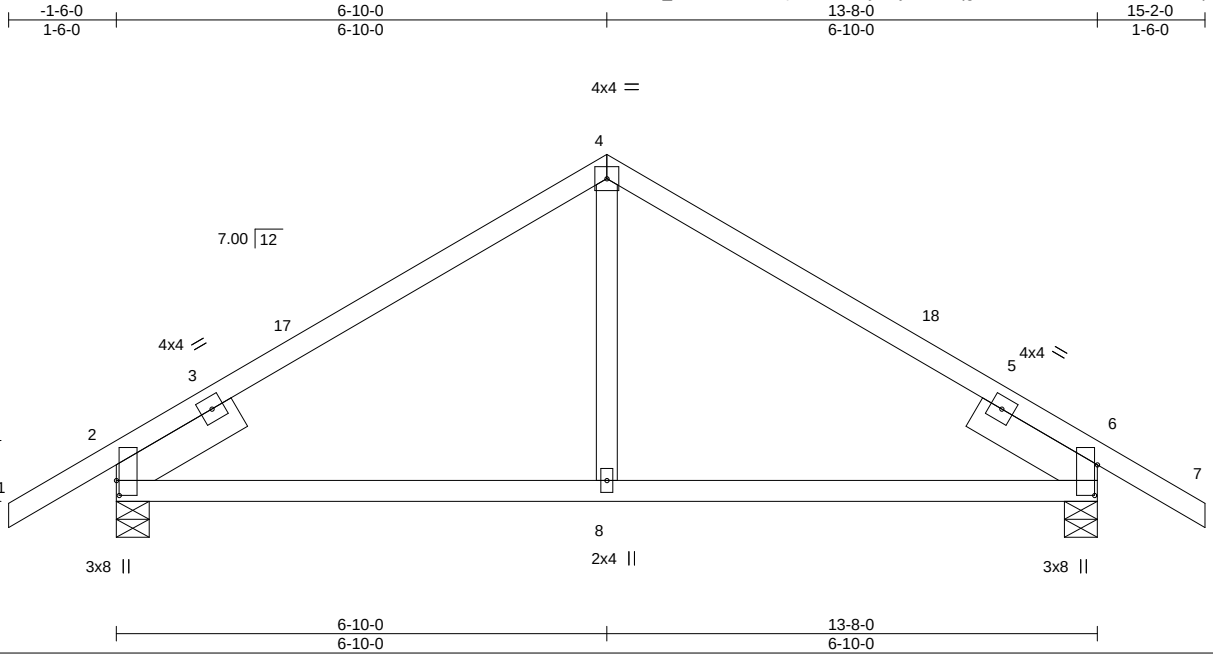

Plate Offsets (X,Y)-- [2:0-2-8,0-0-7], [6:0-5-2,0-0-7]

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	0.42	Vert(LL)	-0.06	8-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.09	8-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 65 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-5-8, 6=0-5-8
Max Horz 2=120(LC 11)
Max Uplift 2=-163(LC 12), 6=-163(LC 13)
Max Grav 2=587(LC 1), 6=587(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-522/199, 4-6=-522/199
BOT CHORD 2-8=-65/419, 6-8=-65/419
WEBS 4-8=-5/281

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 1-6-0, Zone1 1-6-0 to 6-10-0, Zone2 6-10-0 to 11-0-15, Zone1 11-0-15 to 15-2-0 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) 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 100 lb uplift at joint(s) except (jt=lb) 2=163, 6=163.

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T08G	Common Supported Gable	1	1	T34001301
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:41 2024 Page 1
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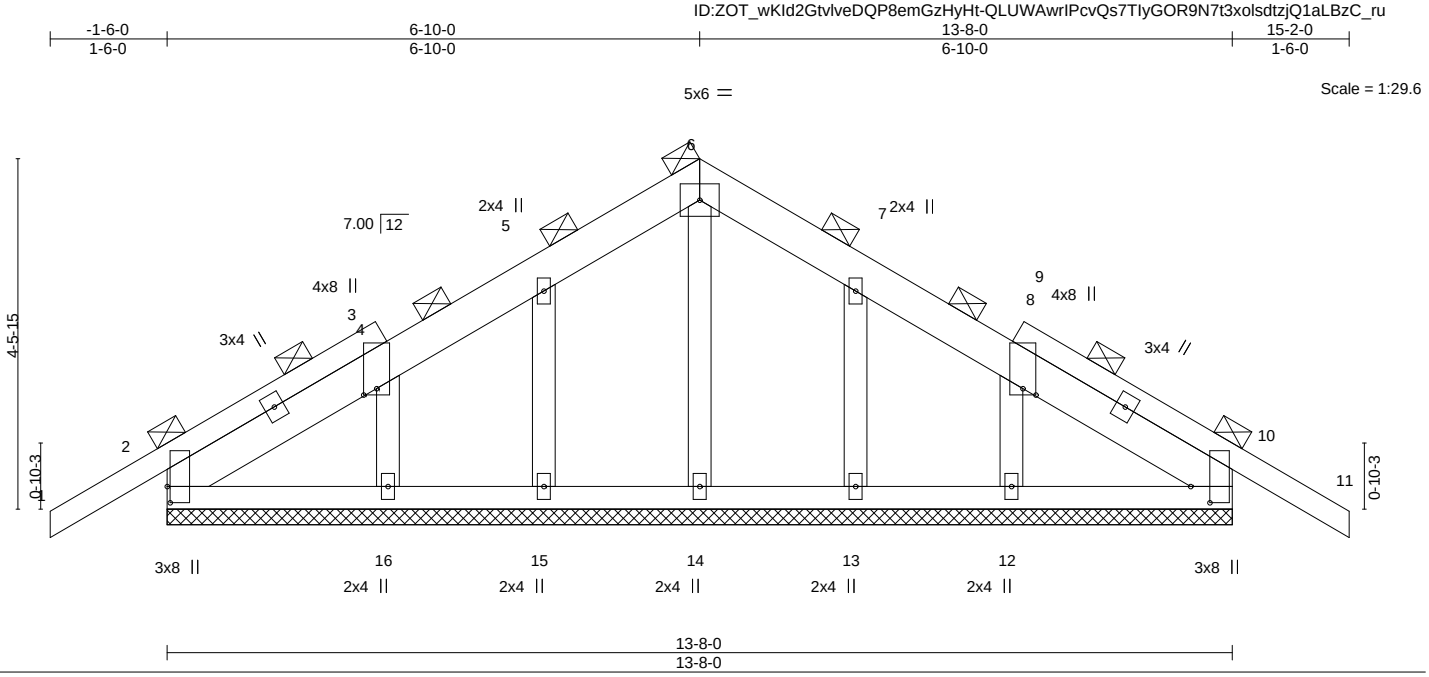

Plate Offsets (X,Y)-- [2:0-2-8,0-0-7], [3:0-1-0,0-2-0], [9:0-1-0,0-2-0], [10:0-2-8,0-2-15]

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)	-0.00	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	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 FBC2023/TPI2014		Matrix-S							Weight: 90 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
1-4,8-11: 2x4 SP No.2
BOT CHORD 2x4 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.

REACTIONS. All bearings 13-8-0.
(lb) - Max Horz 2=-109(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 16, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES-
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) 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, 10, 15, 16, 13, 12.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
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:

May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T09	Roof Special	6	1	T34001302
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:42 2024 Page 1
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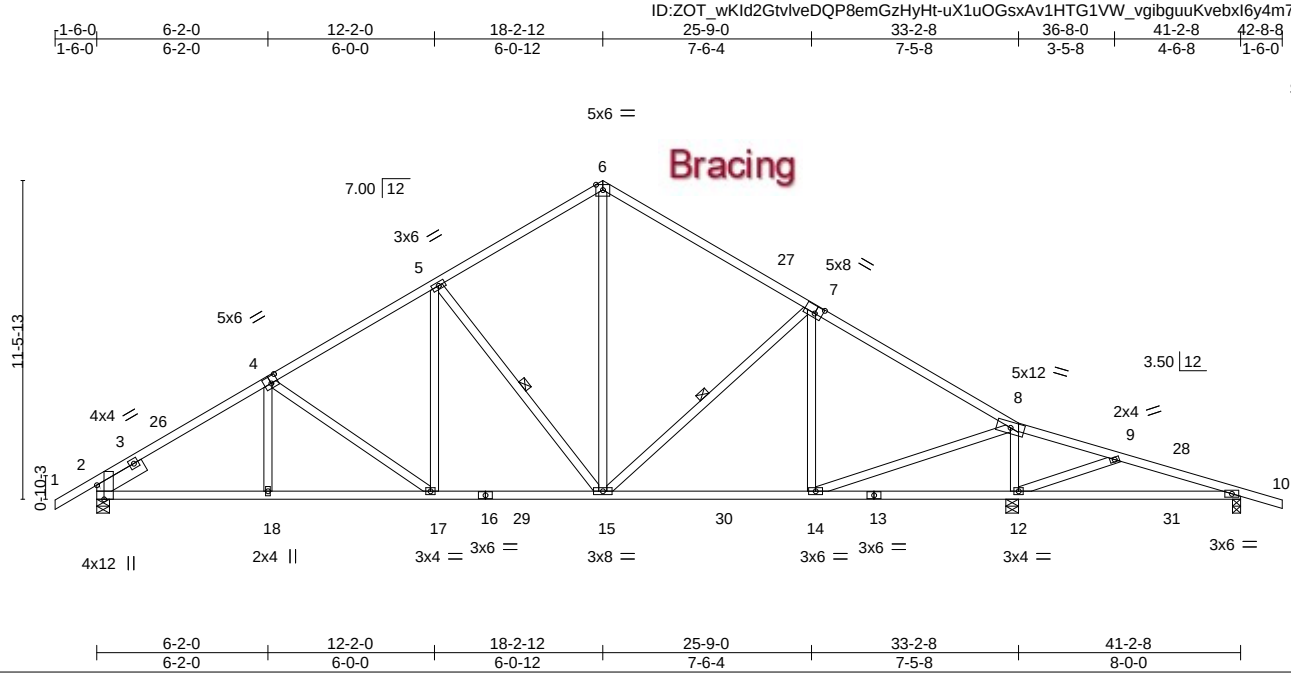

Plate Offsets (X,Y)-- [2:0-6-2,Edge], [4:0-3-0,0-3-0], [7:0-3-4,0-3-4]

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	0.83	Vert(LL)	-0.15	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.26	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 242 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-15, 7-15

REACTIONS. (size) 2=0-5-8, 12=0-5-8, 10=0-3-8
Max Horz 2=-292(LC 10)
Max Uplift 2=-345(LC 12), 12=-421(LC 13), 10=-237(LC 9)
Max Grav 2=1466(LC 19), 12=1842(LC 2), 10=295(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2014/453, 4-5=-1684/414, 5-6=-1225/382, 6-7=-1268/379, 7-8=-1370/308, 8-9=-71/378
BOT CHORD 2-18=-463/1865, 17-18=-464/1864, 15-17=-304/1567, 14-15=-138/1162, 12-14=-412/169
WEBS 4-17=-362/195, 5-17=-76/464, 5-15=-751/313, 6-15=-229/894, 7-15=-276/225, 7-14=-306/137, 8-14=-280/1636, 8-12=-1472/403, 9-12=-390/281

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 2-7-7, Zone1 2-7-7 to 18-2-12, Zone2 18-2-12 to 24-0-11, Zone1 24-0-11 to 42-8-8 zone; end vertical left exposed; 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, 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=345, 12=421, 10=237.

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Date:

May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T09G	GABLE	1	1	T34001303
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:43 2024 Page 1
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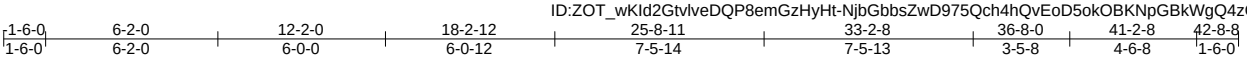

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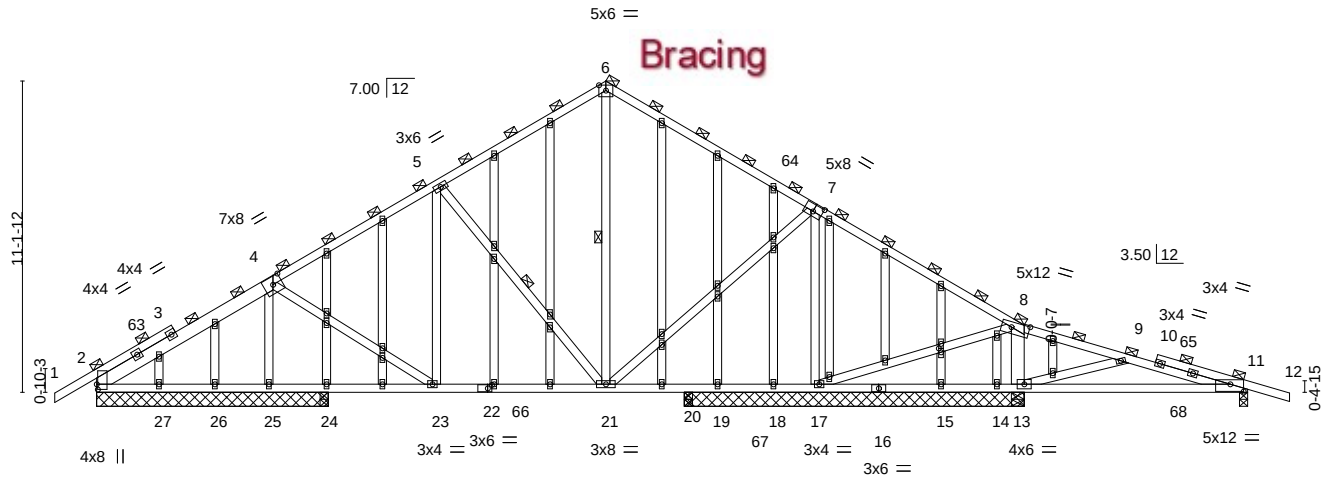

Plate Offsets (X,Y)-- [2:0-2-4,0-0-7], [4:0-4-0,0-3-4], [7:0-4-0,0-3-0], [8:0-7-12,0-2-4], [11:0-5-12,0-3-2], [22:0-1-12,0-1-8], [52:0-1-11,0-1-0]

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	0.69	Vert(LL)	-0.05	21-23	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.09	21-23	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.01	11	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*
	2-4: 2x6 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	8-13: 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 6-0-0 oc bracing, Except:
	10-0-0 oc bracing: 21-23,11-13.
WEBS	1 Row at midpt 5-21, 6-21

REACTIONS. All bearings 0-3-8 except (jt=length) 2=8-3-8, 25=8-3-8, 17=12-2-0, 13=0-5-8, 13=0-5-8, 26=8-3-8, 27=8-3-8, 19=12-2-0, 18=12-2-0, 15=12-2-0, 14=12-2-0, 2=8-3-8.
(lb) - Max Horz 2=-283(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 27, 20 except 11=-223(LC 9), 25=-321(LC 12), 17=-280(LC 13), 13=-261(LC 8), 14=-252(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 2, 26, 27, 19, 18, 15, 14, 24, 24, 20, 20, 2 except 11=345(LC 26), 25=1000(LC 19), 17=968(LC 20), 13=801(LC 28), 13=713(LC 1)

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

TOP CHORD	4-5=-582/207, 5-6=-452/236, 6-7=-463/230, 9-11=-346/218
BOT CHORD	21-23=-91/570, 11-13=-175/339
WEBS	4-25=-939/330, 4-23=-58/543, 5-21=-261/184, 7-21=-62/462, 7-17=-846/298, 8-13=-379/184, 9-13=-448/323

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 2-7-7, Zone1 2-7-7 to 18-2-12, Zone2 18-2-12 to 24-0-11, Zone1 24-0-11 to 42-8-8 zone; end vertical left exposed; 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) 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) 2, 27, 20, 2 except (jt=lb) 11=223, 25=321, 17=280, 13=261, 14=252.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

May 29,2024

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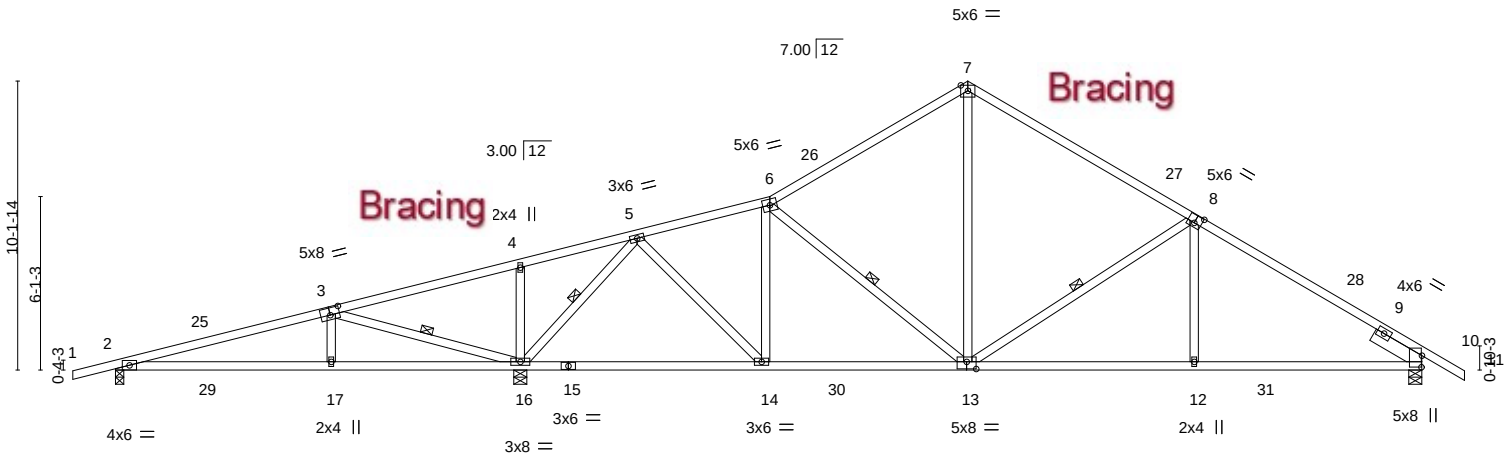
Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T10	Roof Special	5	1	T34001304
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:44 2024 Page 1
ID:ZOT_wKId2GtvlveDQP8emGzHyHt-rw9eoxtBhXH_jaBtdPx8n0lF08dw3tkPPOFEyWzC_rr

1-6-0	7-7-0	14-2-12	18-4-0	23-0-0	29-11-8	37-11-0	45-11-0	47-5-0
1-6-0	7-7-0	6-7-12	4-1-4	4-8-0	6-11-8	7-11-8	8-0-0	1-6-0

Scale = 1:81.0



7-7-0	14-2-12	23-0-0	29-11-8	37-11-0	45-11-0
7-7-0	6-7-12	8-9-4	6-11-8	7-11-8	8-0-0

Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [8:0-3-0,0-3-4], [10:0-4-14,0-0-3], [13:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	0.14	17-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.27	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 245 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 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 or 3-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-16, 5-16, 6-13, 8-13

REACTIONS. (size) 2=0-3-8, 16=0-5-8, 10=0-5-8
Max Horz 2=267(LC 11)
Max Uplift 2=-298(LC 8), 16=-591(LC 12), 10=-327(LC 13)
Max Grav 2=386(LC 25), 16=2247(LC 2), 10=1334(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-294/397, 3-4=-314/1081, 4-5=-260/1066, 5-6=-1110/314, 6-7=-1163/364, 7-8=-1142/327, 8-10=-1759/419
BOT CHORD 2-17=-374/262, 16-17=-378/268, 14-16=-57/342, 13-14=-180/1051, 12-13=-230/1433, 10-12=-231/1429
WEBS 3-17=-157/287, 3-16=-1205/708, 4-16=-300/184, 5-16=-1873/456, 5-14=-194/1040, 6-14=-493/194, 7-13=-172/737, 8-13=-724/319, 8-12=0/343

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 3-1-2, Zone1 3-1-2 to 29-11-8, Zone2 29-11-8 to 36-5-7, Zone1 36-5-7 to 47-5-0 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) 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=298, 16=591, 10=327.

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Date:

May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T11	Roof Special Girder	1	2	T34001305
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:45 2024 Page 1
ID:ZOT_wKId2GtvlveDQP8emGzHyHt-J6j00HupSqPrKkm4B6SNJDIU5Y41oEmZe1?nUyzC_rq

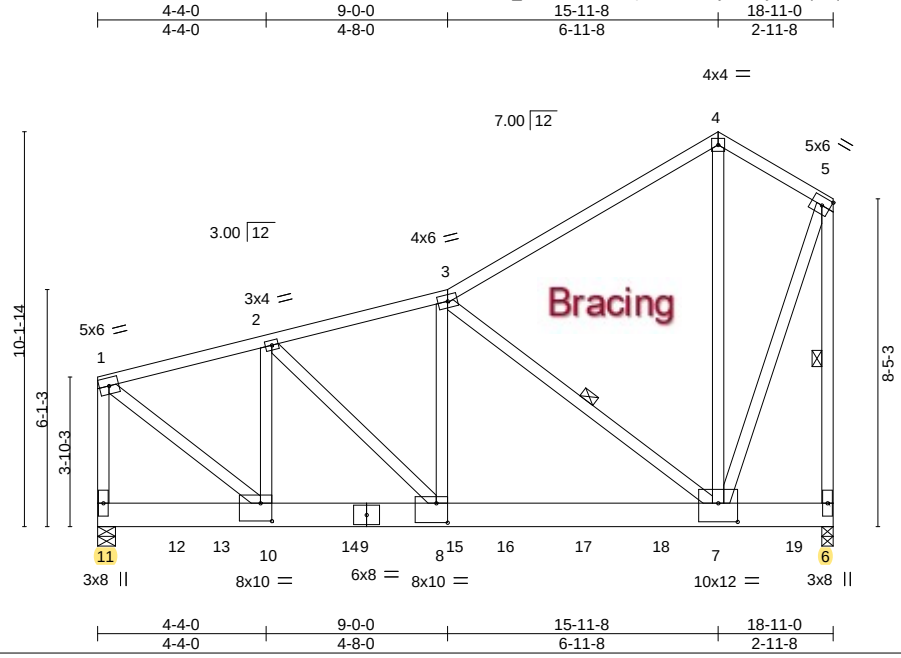

Plate Offsets (X,Y)-- [7:0-6-0,0-5-12], [8:0-3-8,0-6-0], [10:0-3-8,0-5-8]

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	0.51	Vert(LL)	-0.10	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.17	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 348 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-7, 5-6

REACTIONS. (size) 11=0-5-8, 6=0-3-8
Max Horz 11=206(LC 8)
Max Uplift 11=-1130(LC 8), 6=-1022(LC 8)
Max Grav 11=4906(LC 2), 6=3757(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3737/837, 2-3=-4421/978, 3-4=-1443/337, 4-5=-1385/365, 1-11=-3914/896, 5-6=-4089/1050
BOT CHORD 8-10=-994/3603, 7-8=-1076/4201
WEBS 2-10=-1005/258, 2-8=-165/935, 3-8=-560/2587, 3-7=-3887/991, 4-7=-350/1184, 1-10=-1003/4604, 5-7=-926/3566

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 0-9-0 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 7-22; 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; 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) 11=1130, 6=1022.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 503 lb down and 124 lb up at 0-1-12, 495 lb down and 132 lb up at 1-11-12, 650 lb down and 157 lb up at 2-5-4, 964 lb down and 218 lb up at 4-5-4, 964 lb down and 218 lb up at 6-5-4, 964 lb down and 218 lb up at 8-5-4, 964 lb down and 218 lb up at 10-5-4, 964 lb down and 218 lb up at 12-5-4, 964 lb down and 218 lb up at 14-5-4, and 105 lb down and 89 lb up at 15-10-4, and 106 lb down and 88 lb up at 17-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

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Chesterfield, MO 63017
Date:

May 29,2024

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LOAD CASE(S) Standard

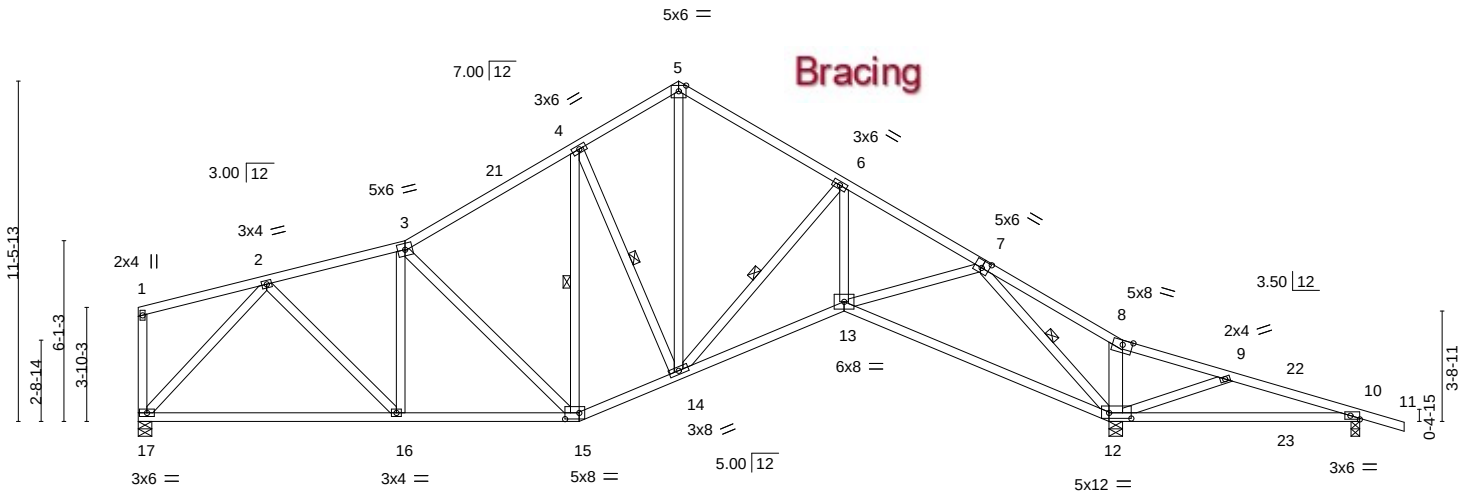
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-4=-54, 4-5=-54, 6-11=-20
   Concentrated Loads (lb)
   Vert: 11=-503(B) 10=-868(B) 7=-105(B) 12=-495(B) 13=-596(B) 14=-868(B) 15=-868(B) 16=-868(B) 17=-868(B) 18=-868(B) 19=-106(B)

Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T12	Roof Special	5	1	T34001306
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:45 2024 Page 1
ID:ZOT_wKId2GtvlveDQP8emGzHyHt-J6j00HupSqPrKkm4B6SNJDIStYzEoDWZe1?nUyzC_rq

4-4-0	9-0-0	14-10-8	18-2-12	23-9-12	28-5-0	32-9-0	33-2-8	36-8-0	41-2-8	42-8-8
4-4-0	4-8-0	5-10-8	3-4-4	5-7-0	4-7-4	4-4-0	0-5-8	3-5-8	4-6-8	1-6-0

Scale = 1:77.7



9-0-0	14-10-8	18-2-12	23-9-12	32-9-0	32-11-12	41-2-8
9-0-0	5-10-8	3-4-4	5-7-0	8-11-4	0-2-12	8-2-12

Plate Offsets (X,Y)-- [7:0-3-0,0-3-0], [10:Edge,0-1-8], [12:0-9-0,0-2-4], [15:0-5-12,0-2-8]

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	0.59	Vert(LL)	0.13	12-20	>808	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.53	12-13	>745	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.15	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 263 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
8-12: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-12.
WEBS 1 Row at midpt 4-15, 4-14, 6-14, 7-12

REACTIONS. (size) 12=0-5-8, 10=0-3-8, 17=0-5-8
Max Horz 17=-275(LC 13)
Max Uplift 12=-449(LC 13), 10=-267(LC 9), 17=-301(LC 12)
Max Grav 12=1906(LC 1), 10=153(LC 26), 17=1125(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1314/362, 3-4=-1166/371, 4-5=-1048/379, 5-6=-1073/364, 6-7=-1747/371, 7-8=-179/1146, 8-9=-195/1009, 9-10=-127/692
BOT CHORD 16-17=-284/876, 15-16=-324/1249, 14-15=-206/1042, 13-14=-185/1602, 12-13=-78/707, 10-12=-609/141
WEBS 2-16=-89/526, 3-15=-435/194, 4-14=-293/238, 5-14=-290/785, 6-14=-937/193, 6-13=-18/753, 7-13=-107/879, 7-12=-2450/467, 9-12=-481/290, 2-17=-1270/360

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 0-1-12 to 4-4-0, Zone1 4-4-0 to 18-2-12, Zone2 18-2-12 to 23-9-12, Zone1 23-9-12 to 42-8-8 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 100 lb uplift at joint(s) except (jt=lb) 12=449, 10=267, 17=301.

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Date:

May 29,2024

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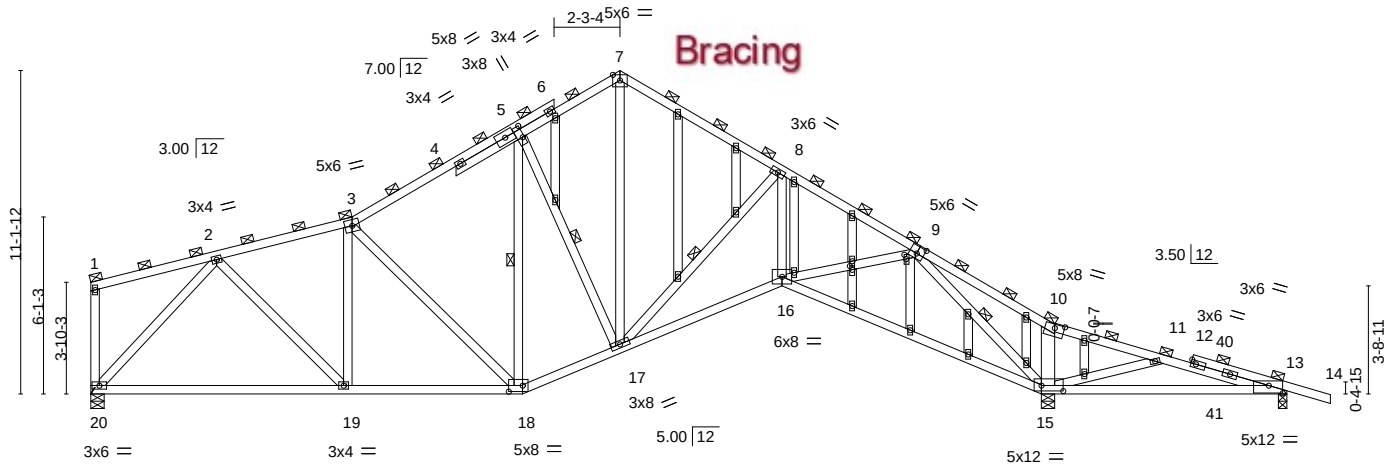
Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T12G	GABLE	1	1	T34001307
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:46 2024 Page 1
ID:ZOT_wKId2GtvlveDQP8emGzHyHt-nIHPDdvRD8XiyuLGlq_csRrfsyJ6XfhithkL1PzC_rp

4-4-0	9-0-0	14-10-8	18-2-12	23-9-12	28-5-0	32-9-0	33-2-8	36-8-0	41-2-8	42-8-8
4-4-0	4-8-0	5-10-8	3-4-4	5-7-0	4-7-4	4-4-0	0-5-8	3-5-8	4-6-8	1-6-0

Scale = 1:79.4



9-0-0	14-10-8	18-2-12	23-9-12	32-9-0	41-2-8
9-0-0	5-10-8	3-4-4	5-7-0	8-11-4	8-5-8

Plate Offsets (X,Y)-- [5:0-5-0,0-0-12], [9:0-3-0,0-3-0], [9:0-1-14,0-0-12], [10:0-4-0,0-1-9], [13:0-5-12,0-3-2], [15:0-9-0,0-2-4], [18:0-5-12,0-2-8], [29:0-1-9,0-1-0]

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	0.51	Vert(LL)	-0.26	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.55	15-16	>716	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.17	15	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 306 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 10-15: 2x6 SP No.2
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	2-0-0 oc purlins (4-1-4 max.), except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-15.
WEBS	1 Row at midpt 5-18, 8-17, 9-15, 5-17

REACTIONS. (size) 13=0-3-8, 20=0-5-8, 15=0-5-8
Max Horz 20=-269(LC 13)
Max Uplift 13=-258(LC 9), 20=-305(LC 12), 15=-444(LC 13)
Max Grav 13=156(LC 26), 20=1128(LC 1), 15=1891(LC 1)

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

TOP CHORD	2-3=-1316/362, 3-5=-1177/368, 5-7=-1063/373, 7-8=-1115/371, 8-9=-1915/407, 9-10=-207/1243, 10-11=-224/1105, 11-13=-133/778
BOT CHORD	19-20=-283/880, 18-19=-322/1249, 17-18=-220/1070, 16-17=-226/1758, 15-16=-118/821, 13-15=-709/147
WEBS	2-19=-85/520, 3-18=-400/173, 7-17=-296/789, 8-17=-1065/207, 8-16=-56/900, 9-16=-108/917, 9-15=-2627/497, 11-15=-473/352, 2-20=-1277/367, 5-17=-275/232

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 0-1-12 to 4-4-0, Zone1 4-4-0 to 18-2-12, Zone2 18-2-12 to 23-9-12, Zone1 23-9-12 to 42-8-8 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) 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=258, 20=305, 15=444.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T13	Roof Special	7	1	T34001308
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:47 2024 Page 1
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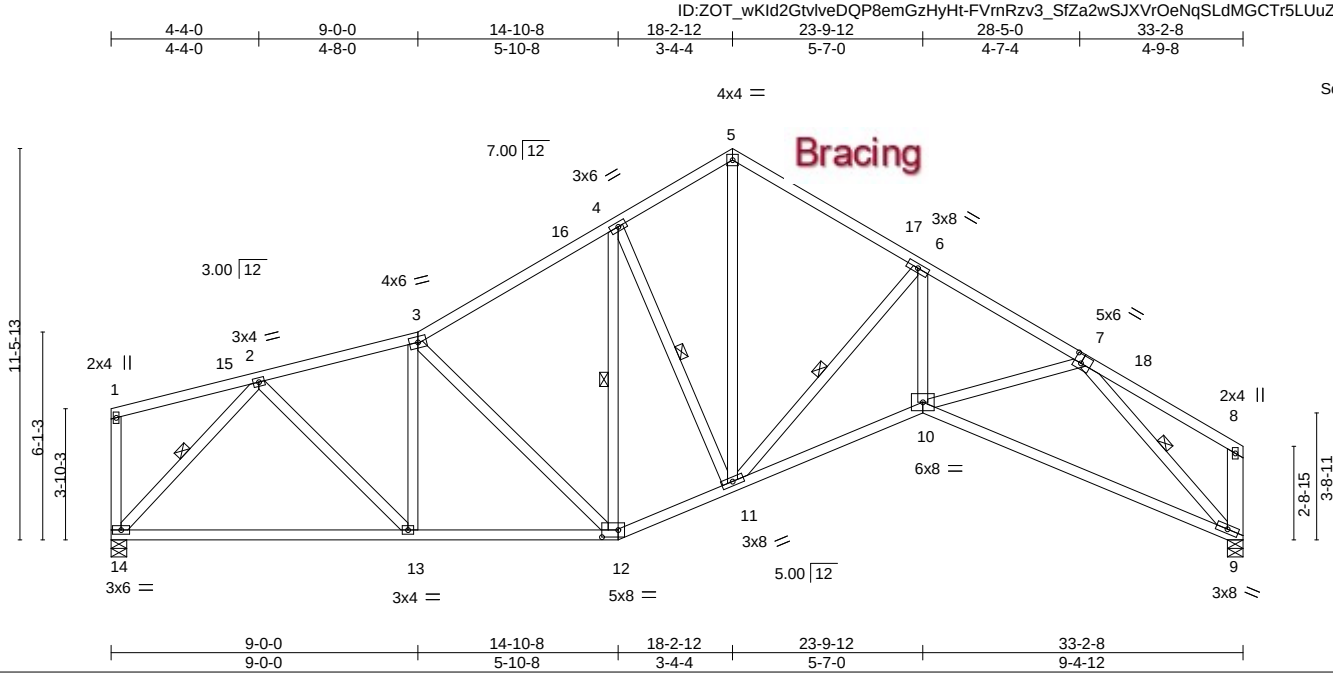

Plate Offsets (X,Y)-- [7:0-2-8,0-3-0], [12:0-5-12,0-2-8]

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	0.45	Vert(LL)	-0.28	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.59	9-10	>668	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.21	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 231 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
8-9: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-12, 4-11, 6-11, 2-14, 7-9

REACTIONS. (size) 14=0-5-8, 9=0-5-8
Max Horz 14=208(LC 11)
Max Uplift 14=-316(LC 12), 9=-282(LC 13)
Max Grav 14=1215(LC 1), 9=1215(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1453/381, 3-4=-1332/379, 4-5=-1240/409, 5-6=-1265/408, 6-7=-2333/534
BOT CHORD 13-14=-359/957, 12-13=-409/1385, 11-12=-298/1196, 10-11=-403/2151, 9-10=-328/1508
WEBS 2-13=-101/604, 3-13=-259/126, 3-12=-429/193, 4-11=-255/205, 5-11=-333/977, 6-11=-1447/386, 6-10=-198/1346, 7-10=-88/631, 2-14=-1390/380, 7-9=-2000/445

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 0-1-12 to 3-5-10, Zone1 3-5-10 to 18-2-12, Zone2 18-2-12 to 22-11-2, Zone1 22-11-2 to 32-11-12 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.
6) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=316, 9=282.

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Joaquin Velez PE No.68182
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Chesterfield, MO 63017
Date:

May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T14	Monopitch	13	1	T34001309
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:47 2024 Page 1
ID:ZOT_wKId2GtvlveDQP8emGzHyHt-FVrnRzv3_SfZa2wSJXVrOeNpFLisGGir5LUuZrzC_ro

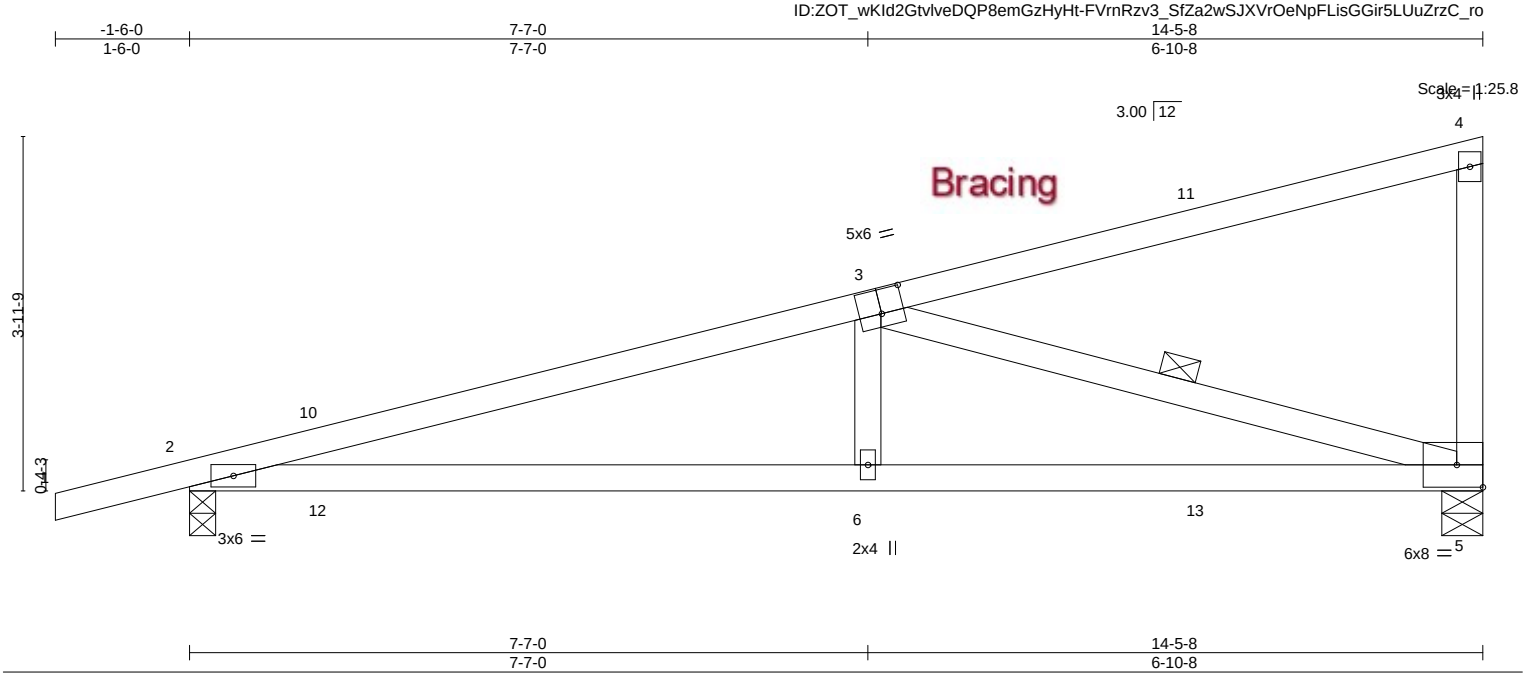

Plate Offsets (X,Y)-- [3:0-3-0,0-3-4]

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	0.53	Vert(LL)	0.16	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.20	6-9	>863	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 63 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-7 oc bracing.
WEBS 1 Row at midpt 3-5

REACTIONS. (size) 2=0-3-8, 5=0-5-8
Max Horz 2=157(LC 8)
Max Uplift 2=-355(LC 8), 5=-319(LC 8)
Max Grav 2=615(LC 1), 5=525(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1201/692
BOT CHORD 2-6=-781/1138, 5-6=-772/1127
WEBS 3-6=-147/321, 3-5=-1150/781

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 14-3-12 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=355, 5=319.

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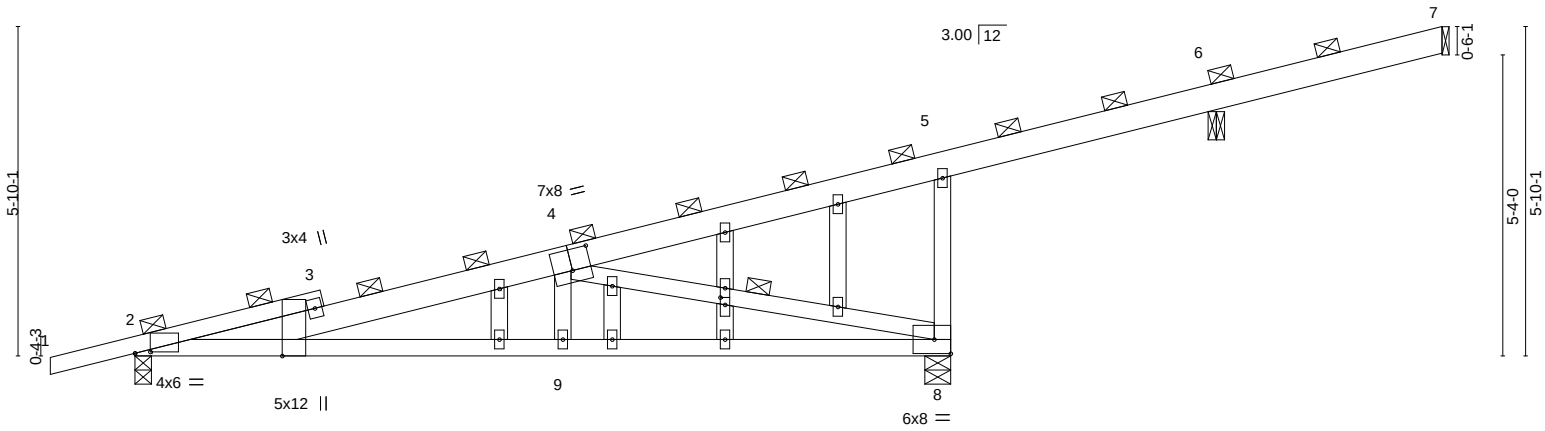
Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T14G	GABLE	1	1	T34001310
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:48 2024 Page 1
ID:ZOT_wKld2GtvlveDQP8emGzHyHt-jhP9eJwillnQCBVfsE04xsw?8l2v?jQ?K?DR5HzC_rn

-1-6-0 | 7-7-0 | 14-5-8 | 19-3-12 | 23-2-0
1-6-0 | 7-7-0 | 6-10-8 | 4-10-4 | 3-10-4

Scale = 1:40.8



7-7-0 | 14-5-8 | 23-2-0
7-7-0 | 6-10-8 | 8-8-8

Plate Offsets (X,Y)-- [2:0-3-4,0-0-5], [2:0-0-9,Edge], [4:0-4-0,0-4-8], [14:0-1-9,0-1-0]

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	0.46	Vert(LL)	0.16	9-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.20	9-21	>871	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 106 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
1-3: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (5-6-2 max.), except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-11-2 oc bracing.
WEBS 1 Row at midpt 4-8

REACTIONS. All bearings 0-3-8 except (jt=length) 8=0-5-8, 7=Mechanical, 6=0-3-8.
(lb) - Max Horz 2=228(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 7 except 2=-332(LC 8), 8=-431(LC 8), 6=-116(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 7, 6 except 2=600(LC 1), 8=721(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1285/961, 5-8=-368/388
BOT CHORD 2-9=-1231/1254, 8-9=-1220/1241
WEBS 4-9=-157/300, 4-8=-1268/1247

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) All plates are 2x4 MT20 unless otherwise indicated.
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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=332, 8=431, 6=116.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6.
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:

May 29,2024

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Job	Truss	Truss Type	Qty	Ply	G. BUZBEE - GASKINS RES.
4025952	T15G	COMMON GIRDER	1	2	T34001311
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Tue May 28 10:53:48 2024 Page 1
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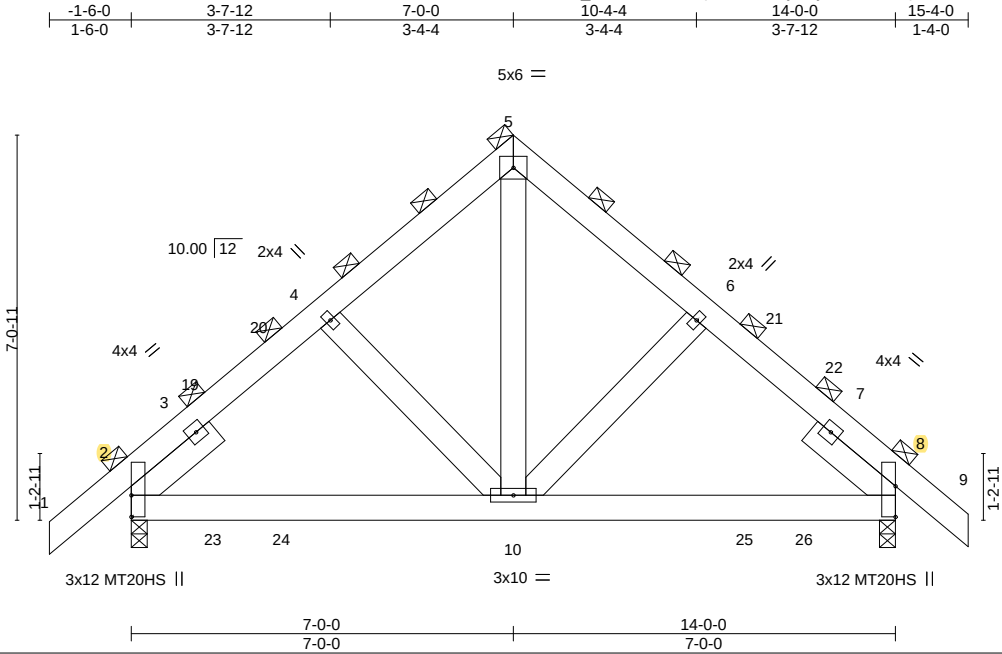

LOADING (psf)		SPACING-	10-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	0.03	10-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.05	10-17	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 260 lb	FT = 20%

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

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.).
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=869(LC 11)
Max Uplift 2=-768(LC 12), 8=-744(LC 13)
Max Grav 2=3000(LC 1), 8=2945(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/259, 2-4=-2575/1364, 4-5=-2064/1423, 5-6=-2127/1435, 6-8=-2579/1378
BOT CHORD 2-10=-810/1767, 8-10=-644/1777
WEBS 5-10=-1338/1616, 6-10=-695/781, 4-10=-677/768

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered 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 7-22; 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 7-0-0, Zone2 7-0-0 to 11-2-15, Zone1 11-2-15 to 15-4-0 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
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) All plates are MT20 plates unless otherwise indicated.
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) except (jt=lb) 2=768, 8=744.
10) 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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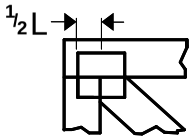
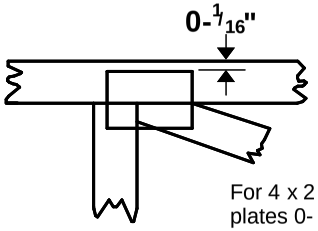
Symbols

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.

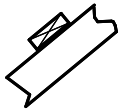
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

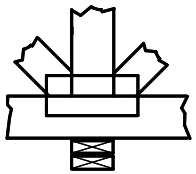
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

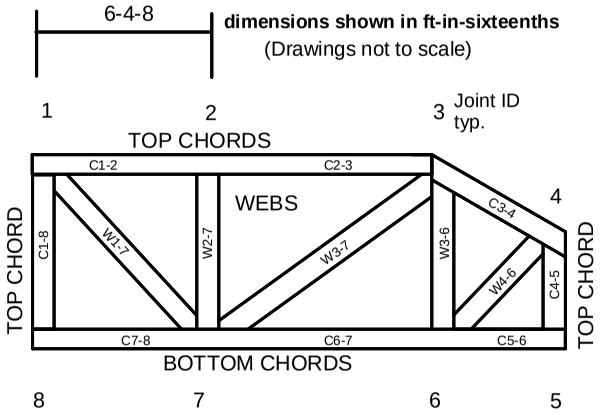


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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.

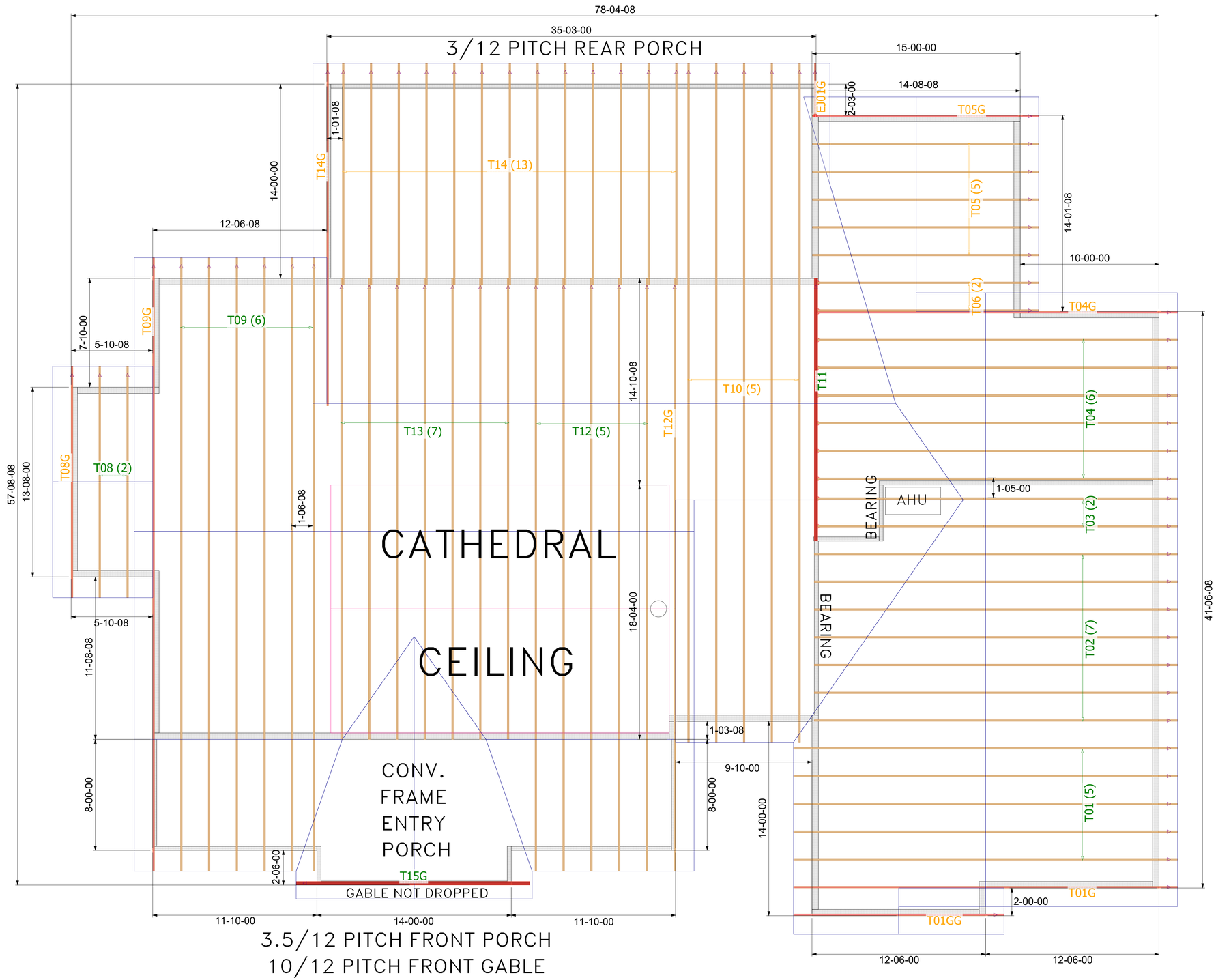
MiTek®

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.

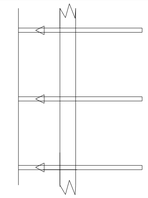
7/12 – 10/12 PITCH – 18" O/H



3.5/12 PITCH FRONT PORCH
10/12 PITCH FRONT GABLE

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 tails) 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

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FAX: 386-755-7973

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

Tallahassee
PHONE: 850-576-5177

Builder:	G. BUZBEE, INC.
Legal Address:	Gaskins Res.
Model:	Custom

Date:	Drawn By:	Original Ref #:
5-15-24	KLH	4025952
Floor 1 Job#	Floor 2 Job#:	Roof Job #:
N/A	N/A	4025952