MiTek

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

73

RE: 3236453 - GIEBEIG - REYNA-POOLE RES.

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

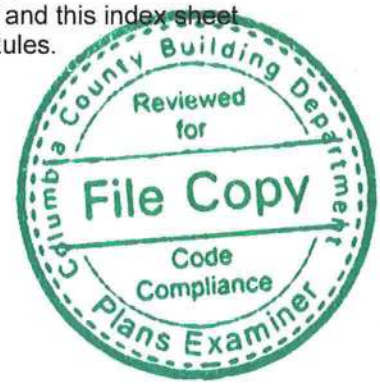
Site Information:
Customer Info: GIEBEIG CONST. Project Name: Reyna-Poole Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD SW CR 18, N/A
City: Columbia Cty State: FL

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 31 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	T34498714	CJ01	7/21/24	15	T34498728	T08	7/21/24
2	T34498715	CJ03	7/21/24	16	T34498729	T09	7/21/24
3	T34498716	CJ05	7/21/24	17	T34498730	T10	7/21/24
4	T34498717	EJ01	7/21/24	18	T34498731	T11	7/21/24
5	T34498718	EJ02	7/21/24	19	T34498732	T12	7/21/24
6	T34498719	HJ05	7/21/24	20	T34498733	T13	7/21/24
7	T34498720	HJ10	7/21/24	21	T34498734	T14	7/21/24
8	T34498721	T01	7/21/24	22	T34498735	T15	7/21/24
9	T34498722	T02	7/21/24	23	T34498736	T16	7/21/24
10	T34498723	T03	7/21/24	24	T34498737	T17	7/21/24
11	T34498724	T04	7/21/24	25	T34498738	T18	7/21/24
12	T34498725	T05	7/21/24	26	T34498739	T19	7/21/24
13	T34498726	T06	7/21/24	27	T34498740	T20	7/21/24
14	T34498727	T07	7/21/24	28	T34498741	T21	7/21/24



This item has been digitally signed and sealed by ORegan, Philip, 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: ORegan, Philip
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.

Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES. T34498714
3236453	CJ01	Jack-Open	14	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:24:57 2024 Page 1
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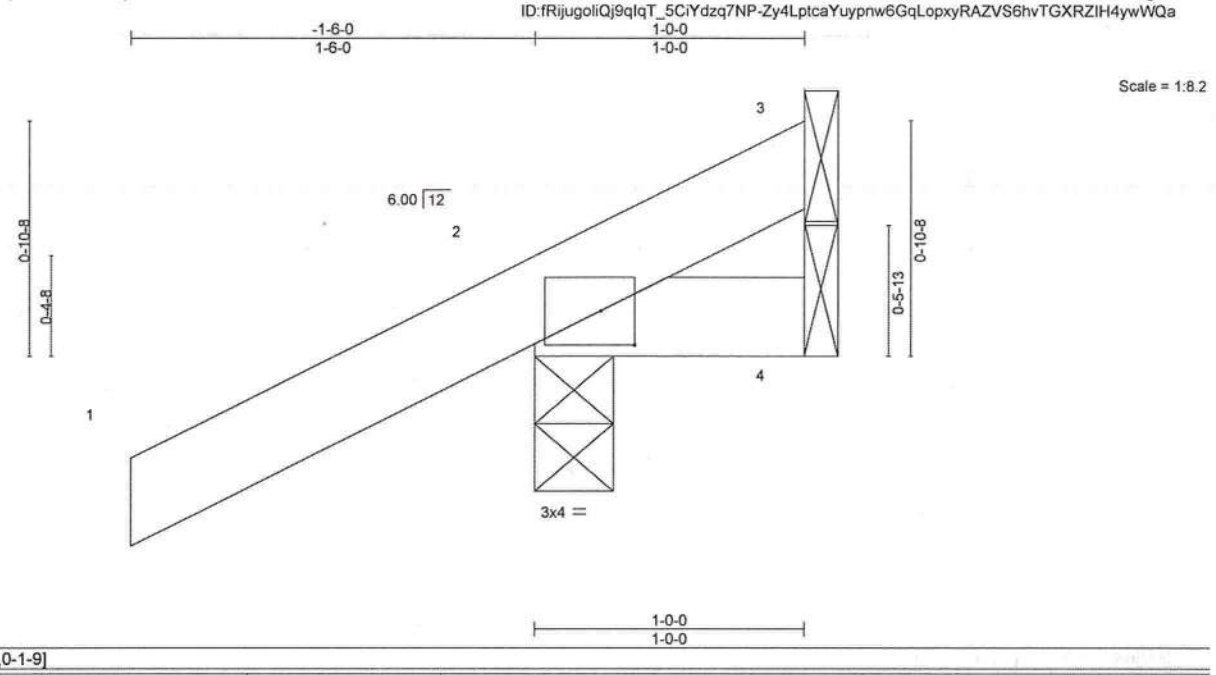

Plate Offsets (X,Y)-- [2:0-1-8,0-1-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=57(LC 12)
Max Uplift 3=-6(LC 1), 2=-110(LC 12), 4=-19(LC 1)
Max Grav 3=11(LC 16), 2=179(LC 1), 4=26(LC 16)

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 C; 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) 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=110.

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Date:

July 21,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.	T34498716
3236453	CJ05	Jack-Open	10	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:24:58 2024 Page 1
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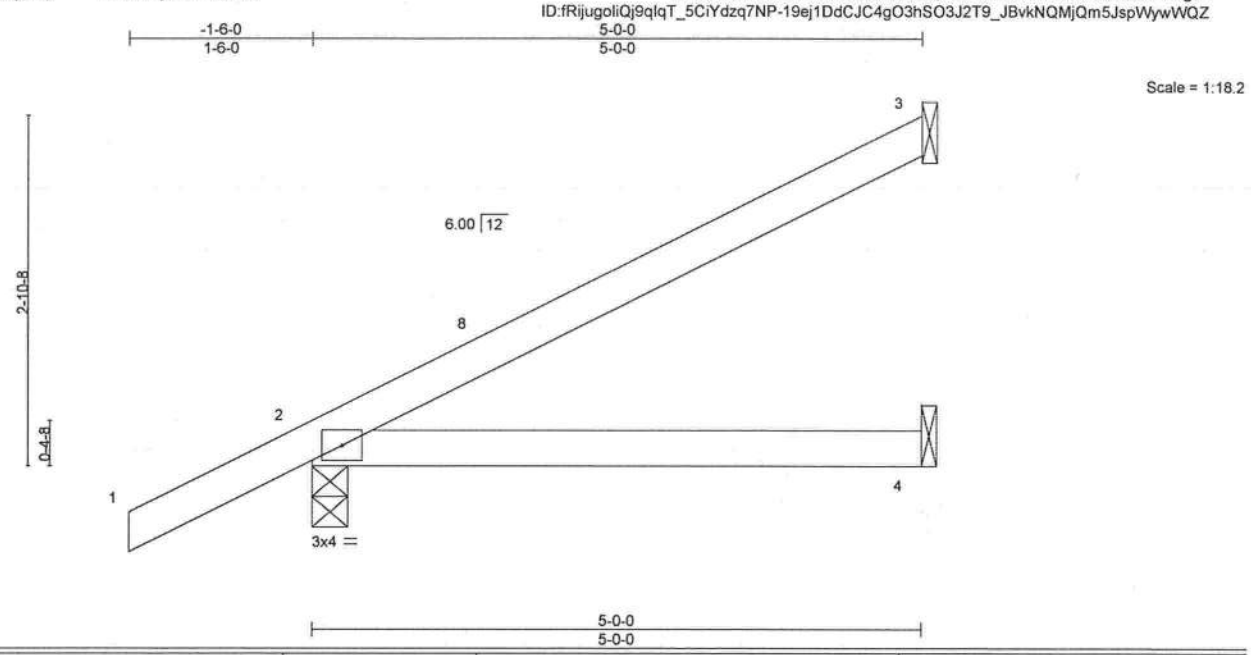

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	0.05	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP							Weight: 18 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=155(LC 12)
Max Uplift 3=-105(LC 12), 2=-116(LC 12), 4=-5(LC 12)
Max Grav 3=113(LC 1), 2=276(LC 1), 4=88(LC 3)

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 C; 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 4-11-4 zone; porch 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=105, 2=116.

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Date:

July 21,2024

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	EJ02	Jack-Partial	3	1	T34498718
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:24:59 2024 Page 1
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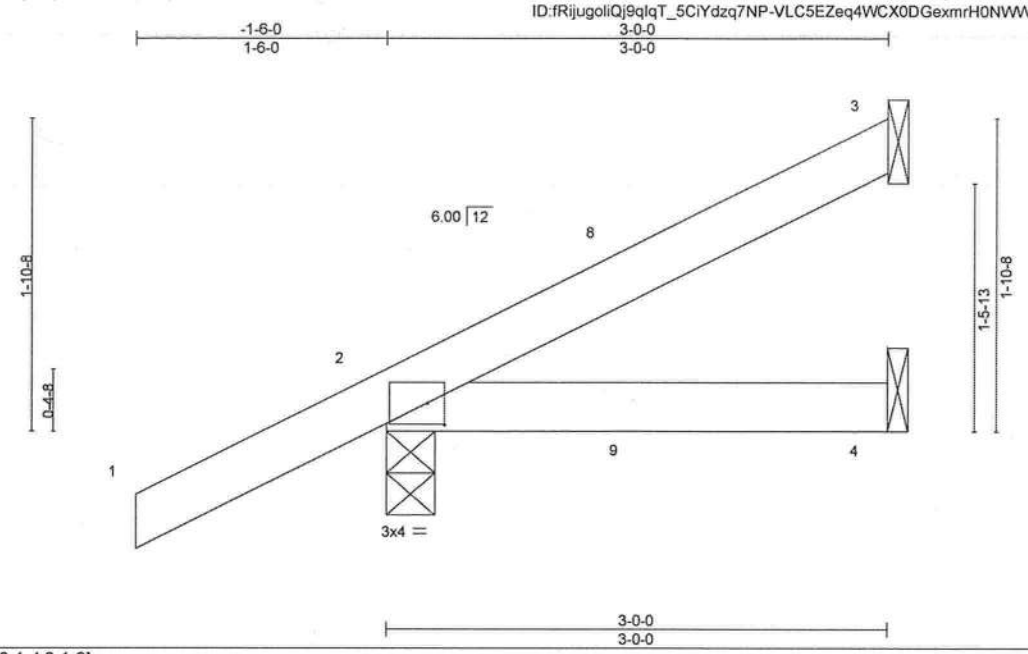

Plate Offsets (X,Y)-- [2:0-1-4,0-1-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=105(LC 12)
Max Uplift 3=-56(LC 12), 2=-100(LC 12), 4=-26(LC 9)
Max Grav 3=60(LC 1), 2=210(LC 1), 4=50(LC 3)

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 C; 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 2-11-4 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.	T34498720
3236453	HJ10	Diagonal Hip Girder	5	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:01 2024 Page 1
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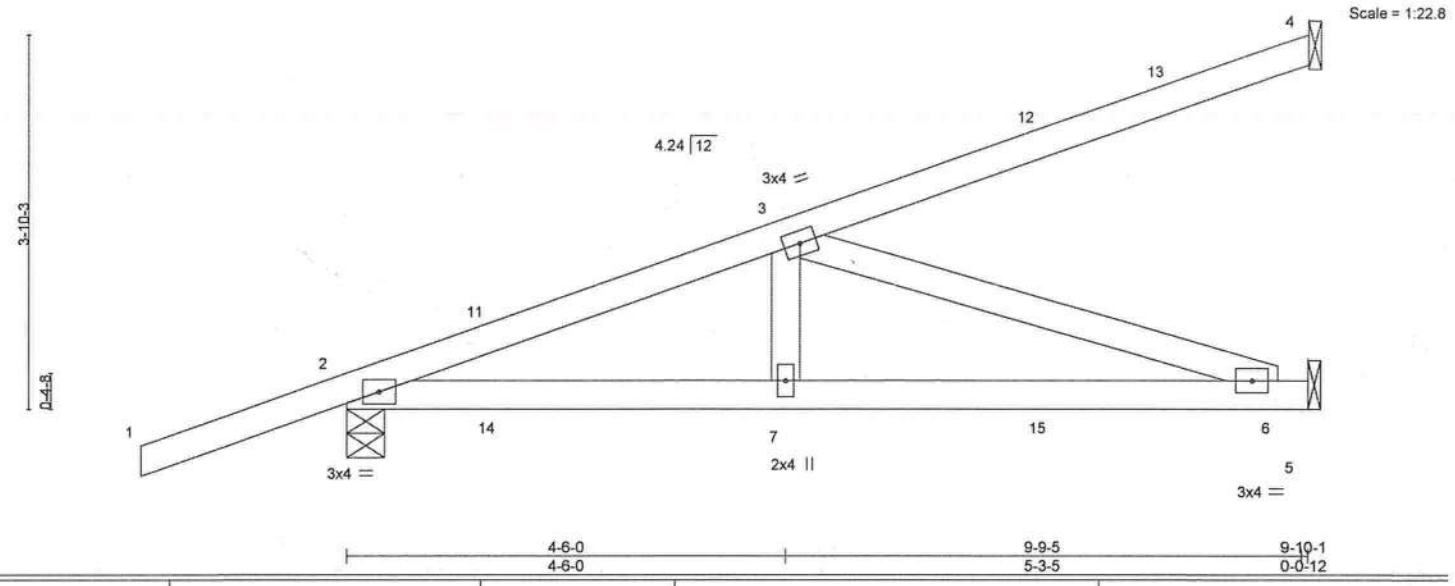

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	0.08	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.12	6-7	>992	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 43 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-4 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=215(LC 4)
Max Uplift 4=-123(LC 4), 2=-460(LC 4), 5=-236(LC 4)
Max Grav 4=149(LC 1), 2=527(LC 1), 5=299(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-799/551
BOT CHORD 2-7=-629/729, 6-7=-629/729
WEBS 3-7=-107/281, 3-6=-768/663

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=123, 2=460, 5=236.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 86 lb down and 76 lb up at 1-6-1, 86 lb down and 76 lb up at 1-6-1, 28 lb down and 59 lb up at 4-4-0, 28 lb down and 59 lb up at 4-4-0, and 51 lb down and 113 lb up at 7-1-15, and 51 lb down and 113 lb up at 7-1-15 on top chord, and 59 lb down and 44 lb up at 1-6-1, 59 lb down and 44 lb up at 1-6-1, 20 lb down and 34 lb up at 4-4-0, 20 lb down and 34 lb up at 4-4-0, and 75 lb down and 20 lb up at 7-1-15, and 75 lb down and 20 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) 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: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=-6(F=-3, B=-3) 12=-73(F=-36, B=-36) 15=-59(F=-29, B=-29)

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

July 21,2024

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 4=-16(F) 6=-89(F) 12=-429(F) 10=-429(F) 17=-16(F) 18=-16(F) 19=-16(F) 20=-16(F) 21=-159(F) 22=-159(F) 23=-159(F) 24=-159(F)

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.	
3236453	T03	Hip	1	1		T34498723
					Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:03 2024 Page 1
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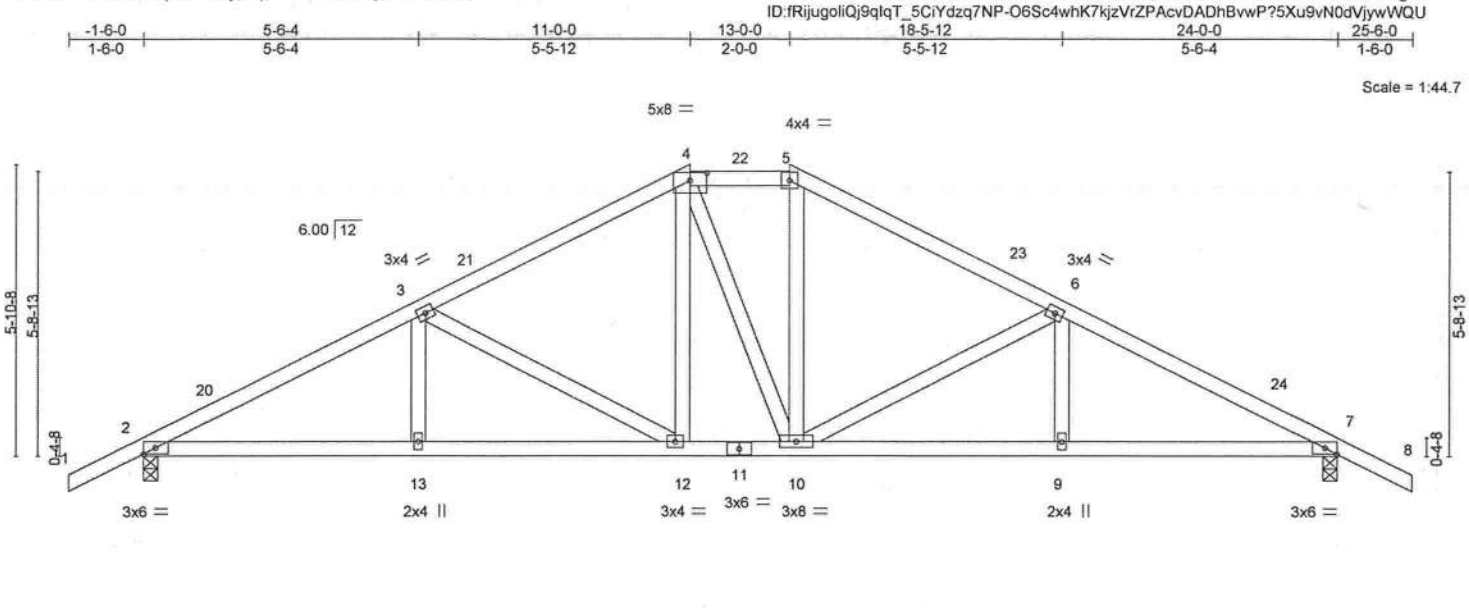

Plate Offsets (X,Y)-- [4:0-4-0,0-1-15], [7:0-2-15,Edge]

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	0.32	Vert(LL)	-0.06	12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.13	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 129 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 4-6-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-10-10 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-133(LC 17)
Max Uplift 2=-399(LC 12), 7=-399(LC 13)
Max Grav 2=969(LC 1), 7=969(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1596/592, 3-4=-1156/483, 4-5=-968/480, 5-6=-1157/484, 6-7=-1595/592
BOT CHORD 2-13=-554/1380, 12-13=-554/1380, 10-12=-273/967, 9-10=-442/1379, 7-9=-442/1379
WEBS 3-12=-467/314, 4-12=-122/301, 5-10=-125/302, 6-10=-466/314

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 C; 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 11-0-0, Zone3 11-0-0 to 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 25-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=399, 7=399.

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Date:

July 21,2024

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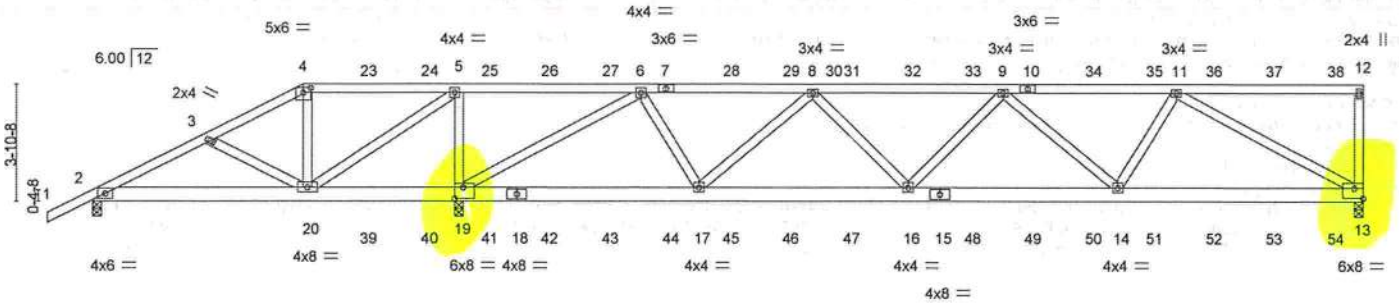
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.	T34498725
3236453	T05	Half Hip Girder	1	2	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:06 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-oh7IiyjDQf5YMII_skTworJdI7PMIIbbbLFH62ywWQR

1-6-0	3-10-15	7-0-0	12-1-12	18-2-2	23-10-13	30-2-3	35-10-13	42-1-0
1-6-0	3-10-15	3-1-1	5-1-12	6-0-6	5-8-10	6-3-6	5-8-10	6-2-3

Scale = 1:73.4



7-0-0	12-1-12	20-1-4	27-0-8	33-11-11	42-1-0
7-0-0	5-1-12	7-11-8	6-11-4	6-11-4	8-1-4

Plate Offsets (X,Y)-- [4:0-3-0,0-2-0], [13:Edge,0-4-0], [19:0-3-8,0-4-8]

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	0.57	Vert(LL)	0.17	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.19	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 502 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 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 6-0-0 oc bracing.

REACTIONS. (size) 13=0-3-8, 2=0-3-8, 19=0-3-8
Max Horz 2=207(LC 8)
Max Uplift 13=-1439(LC 4), 2=-251(LC 25), 19=-3238(LC 5)
Max Grav 13=2074(LC 1), 2=320(LC 18), 19=4584(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-602/723, 3-4=-641/936, 4-5=-563/832, 5-6=-1840/2665, 6-8=-1968/1365, 8-9=-3704/2563, 9-11=-3360/2317
BOT CHORD 2-20=-599/507, 19-20=-2665/1840, 17-19=-713/989, 16-17=-2174/3104, 14-16=-2600/3728, 13-14=-1899/2722
WEBS 4-20=-606/419, 5-20=-1619/2237, 5-19=-1685/1257, 6-19=-4224/2932, 6-17=-1355/2029, 8-17=-1545/1104, 8-16=-609/897, 9-14=-500/385, 11-14=-865/1323, 11-13=-3070/2142

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: 2x6 - 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) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) 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) 13=1439, 2=251, 19=3238.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

Continued on page 2

MiTek®
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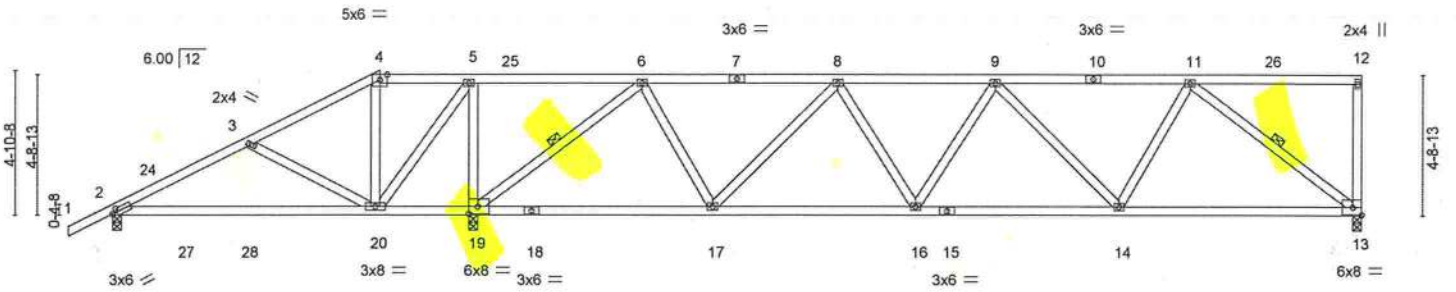
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES. T34498726
3236453	T06	Half Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:07 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-Gth7vlkrBzDP_StBPS_9L3roGXjx1IOlq?_qeVywWQQ

1-6-0	4-7-13	9-0-0	12-1-12	17-9-14	24-4-14	29-8-1	36-3-2	42-1-0
1-6-0	4-7-13	4-4-2	3-1-12	5-8-2	6-7-1	5-3-3	6-7-1	5-9-14

Scale = 1:74.7



9-0-0	12-1-12	20-2-5	27-0-8	33-10-10	42-1-0
9-0-0	3-1-12	8-0-9	6-10-2	6-10-2	8-2-6

Plate Offsets (X,Y)-- [2:0-1-15,0-1-8], [19:0-3-8,0-3-0]

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	0.55	Vert(LL)	0.16	20-23	>928	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.26	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 230 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 4-9-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-7-12 oc bracing.
WEBS 1 Row at midpt 6-19, 11-13

REACTIONS. (size) 13=0-3-8, 2=0-3-8, 19=0-3-8
Max Horz 2=251(LC 12)
Max Uplift 13=-458(LC 8), 2=-135(LC 12), 19=-1094(LC 9)
Max Grav 13=960(LC 26), 2=162(LC 1), 19=2073(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-202/489, 3-4=-243/598, 4-5=-195/524, 5-6=-471/975, 6-8=-761/336, 8-9=-1375/642, 9-11=-1204/549
BOT CHORD 2-20=-407/117, 19-20=-975/471, 17-19=-206/399, 16-17=-613/1254, 14-16=-693/1422, 13-14=-495/993
WEBS 3-20=-355/314, 4-20=-390/172, 5-20=-628/846, 5-19=-930/645, 6-19=-1677/835, 6-17=-280/778, 8-17=-731/407, 8-16=-62/269, 9-14=-318/210, 11-14=-114/484, 11-13=-1235/622

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 C; 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 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 41-11-4 zone; 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) All plates are 3x4 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=458, 2=135, 19=1094.

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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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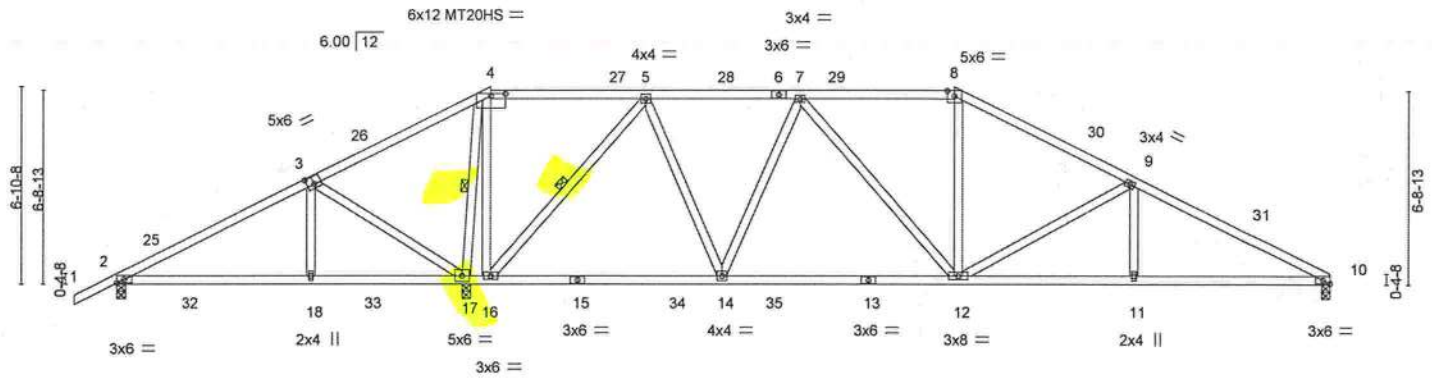
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	T08	Hip	1	1	T34498728
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:09 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-DGptK_I5jaT7Dm1ZXt0dQUx7ALMvVCp1HJTxiNywWQO

1-6-0	6-9-0	13-0-0	18-4-5	23-8-11	29-1-0	35-4-0	42-1-0
1-6-0	6-9-0	6-3-0	5-4-5	5-4-5	5-4-5	6-3-0	6-9-0

Scale = 1:77.2



6-9-0	12-0-0	13-0-0	21-0-8	29-1-0	35-4-0	42-1-0
6-9-0	5-3-0	1-0-0	8-0-8	8-0-8	6-3-0	6-9-0

Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [4:0-6-0,0-0-15], [10:0-2-15,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	0.59	Vert(LL)	-0.17	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.29	12-14	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 233 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-16, 4-17

REACTIONS. (size) 10=0-3-8, 2=0-3-8, 17=0-3-8
Max Horz 2=169(LC 12)
Max Uplift 10=-450(LC 13), 2=-148(LC 12), 17=-823(LC 9)
Max Grav 10=1084(LC 28), 2=283(LC 25), 17=2212(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-98/397, 3-4=-245/789, 4-5=-93/460, 5-7=-836/404, 7-8=-1179/610, 8-9=-1389/618, 9-10=-1927/807
BOT CHORD 2-18=-330/261, 17-18=-332/260, 16-17=-433/356, 14-16=-130/495, 12-14=-267/1019, 11-12=-630/1690, 10-11=-630/1690
WEBS 3-18=-205/255, 3-17=-590/548, 4-16=-269/1192, 5-16=-1409/557, 5-14=-288/901, 7-14=-528/339, 7-12=-114/307, 8-12=-56/363, 9-12=-586/388, 9-11=0/255, 4-17=-1757/477

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 C; 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 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 29-1-0, Zone2 29-1-0 to 33-3-15, Zone1 33-3-15 to 42-1-0 zone; 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) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=450, 2=148, 17=823.

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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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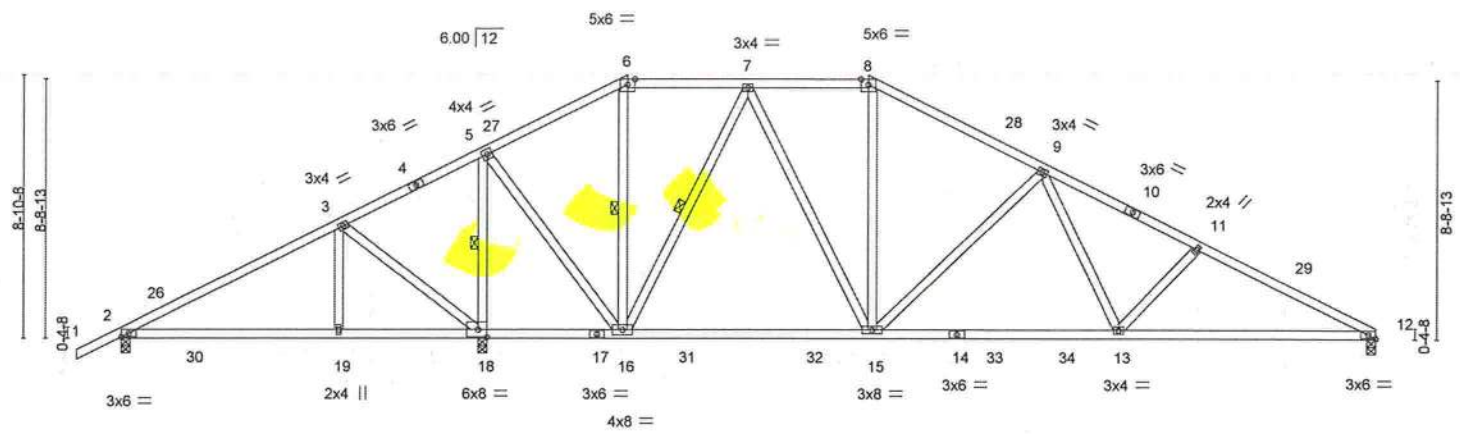
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	T10	Hip	1	1	T34498730
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:10 2024 Page 1
ID:fRijugoliQj9qlqT_5CiYdzq7NP-hSNGYKmjUubzrvcm5aXsyhTJ3khuEc?BWzDVFpywWQN

-1-6-0	7-3-15	12-1-12	17-0-0	21-0-8	25-1-0	30-11-4	36-1-9	42-1-0
1-6-0	7-3-15	4-9-13	4-10-4	4-0-8	4-0-8	5-10-4	5-2-5	5-11-7

Scale = 1:74.7



7-3-15	12-1-12	17-0-0	25-1-0	33-6-1	42-1-0
7-3-15	4-9-13	4-10-4	8-1-0	8-5-2	8-6-14

Plate Offsets (X,Y)-- [12:0-2-15,Edge], [18:0-3-8,0-3-0]

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	0.52	Vert(LL)	-0.19	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.32	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.04	12	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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-18, 6-16, 7-16

REACTIONS. (size) 2=0-3-8, 18=0-3-8, 12=0-3-8
Max Horz 2=212(LC 12)
Max Uplift 2=-181(LC 9), 18=-711(LC 12), 12=-453(LC 13)
Max Grav 2=370(LC 25), 18=2101(LC 2), 12=1113(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-195/273, 3-5=-160/622, 5-6=-367/256, 6-7=-287/252, 7-8=-906/522, 8-9=-1072/522, 9-11=-1809/773, 11-12=-1973/827
BOT CHORD 16-18=-525/368, 15-16=-106/644, 13-15=-400/1338, 12-13=-656/1740
WEBS 3-19=-231/290, 3-18=-581/507, 5-18=-1649/596, 5-16=-375/1331, 7-16=-816/376, 7-15=-230/599, 8-15=-53/266, 9-15=-604/415, 9-13=-177/562, 11-13=-290/272

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 C; 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 17-0-0, Zone2 17-0-0 to 21-0-8, Zone1 21-0-8 to 25-1-0, Zone2 25-1-0 to 29-3-15, Zone1 29-3-15 to 42-1-0 zone; 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=181, 18=711, 12=453.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

July 21,2024

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES. T34498732
3236453	T12	Common	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:11 2024 Page 1
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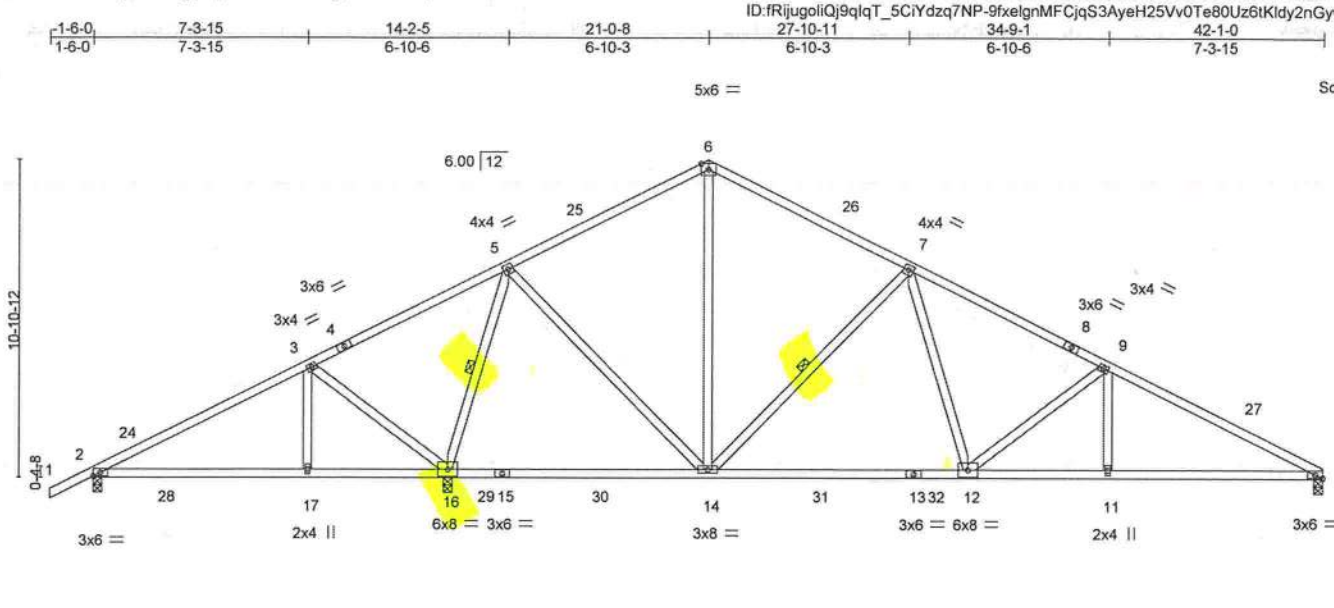

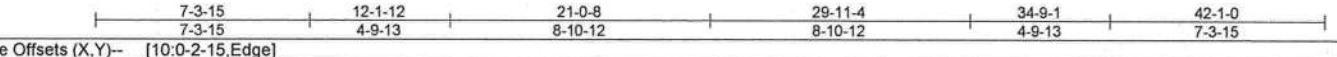

Plate Offsets (X,Y)-- [10:0-2-15,Edge]

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	0.59	Vert(LL)	-0.21	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.36	12-14	>988	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 228 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 7-14, 5-16

REACTIONS. (size) 2=0-3-8, 16=0-3-8, 10=0-3-8
Max Horz 2=258(LC 12)
Max Uplift 2=-185(LC 9), 16=-731(LC 12), 10=-440(LC 13)
Max Grav 2=370(LC 25), 16=2158(LC 2), 10=1097(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-198/298, 3-5=-193/688, 5-6=-673/409, 6-7=-673/376, 7-9=-1464/630, 9-10=-1912/768
BOT CHORD 2-17=-281/284, 16-17=-281/284, 14-16=-145/280, 12-14=-233/1074, 11-12=-585/1673, 10-11=-585/1673
WEBS 6-14=-150/302, 7-14=-784/513, 7-12=-189/631, 9-12=-538/380, 5-14=-228/948, 5-16=-1600/638, 3-16=-561/537

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 C; 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 21-0-8, Zone2 21-0-8 to 25-3-7, Zone1 25-3-7 to 42-1-0 zone; 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=185, 16=731, 10=440.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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

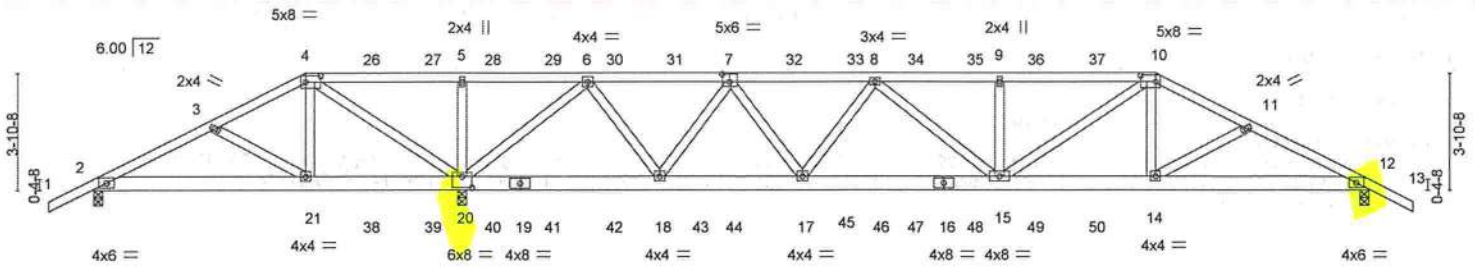
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	T14	Hip Girder	1	2	T34498734
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:14 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-ZEcmNhpEY75PJXvXKQcp7Xe?VM9eAThmRbBiObywWQJ

-1-6-0	3-11-15	7-0-0	12-1-12	16-3-11	21-0-8	25-9-5	29-11-4	35-1-0	38-1-1	42-1-0	43-7-0
1-6-0	3-11-15	3-0-1	5-1-12	4-1-15	4-8-13	4-8-13	4-1-15	5-1-12	3-0-1	3-11-15	1-6-0

Scale = 1:73.4

THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.



7-0-0	12-1-12	18-8-2	23-4-14	29-11-4	35-1-0	42-1-0
7-0-0	5-1-12	6-6-6	4-8-13	6-6-6	5-1-12	7-0-0

Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [7:0-3-0,0-3-0], [10:0-6-0,0-2-8], [20:0-4-0,0-4-8]

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	0.55	Vert(LL)	0.18	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.21	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 506 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-3-8, 20=0-3-8, 12=0-3-8
Max Horz 2=92(LC 8)
Max Uplift 2=-386(LC 22), 20=-3315(LC 5), 12=-1282(LC 9)
Max Grav 2=346(LC 13), 20=4741(LC 1), 12=1914(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-707/1113, 3-4=-749/1171, 4-5=-2008/2996, 5-6=-2008/2996, 6-7=-1140/825, 7-8=-3018/2131, 8-9=-3936/2814, 9-10=-3936/2814, 10-11=-3567/2526, 11-12=-3738/2599
BOT CHORD 2-21=-977/764, 20-21=-1011/831, 18-20=-282/329, 17-18=-1437/2167, 15-17=-2328/3465, 14-15=-2116/3196, 12-14=-2225/3308
WEBS 4-21=-534/713, 4-20=-2489/1763, 5-20=-349/283, 6-20=-3546/2460, 6-18=-1676/2474, 7-18=-1863/1310, 7-17=-1042/1506, 8-17=-804/613, 8-15=-444/624, 9-15=-302/250, 10-15=-665/938, 10-14=-521/757

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: 2x6 - 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 C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left exposed; 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) Provide adequate drainage to prevent water ponding.
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=386, 20=3315, 12=1282.

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Date:

July 21,2024

Continued on page 2

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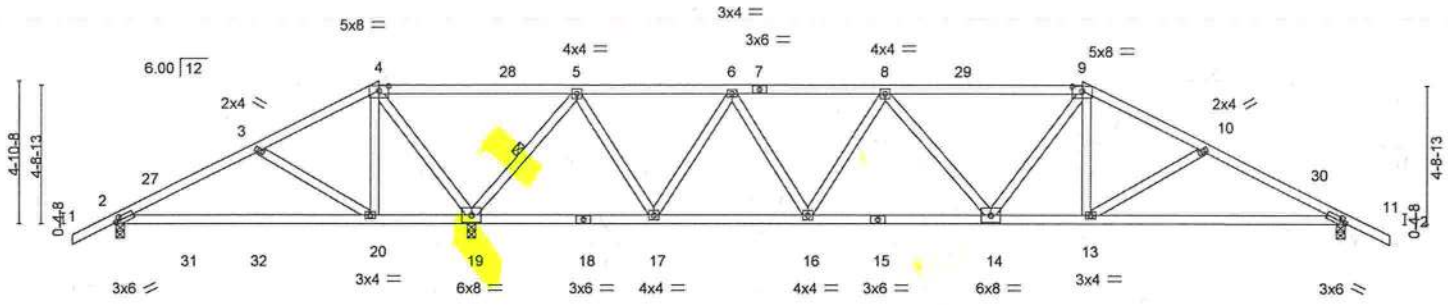
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES. T34498735
3236453	T15	Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:16 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-VckXoNrU3kM7Zq3vRreHCyjJy9nfeMU3uugpSTywWQH

1-6-0	4-10-12	9-0-0	15-9-2	21-0-8	26-3-13	33-1-0	37-2-4	42-1-0	43-7-0
1-6-0	4-10-12	4-1-4	6-9-3	5-3-6	5-3-6	6-9-3	4-1-4	4-10-12	1-6-0

Scale = 1:75.9



9-0-0	12-1-12	18-4-13	23-8-3	29-11-4	33-1-0	42-1-0
9-0-0	3-1-12	6-3-1	5-3-6	6-3-1	3-1-12	9-0-0

Plate Offsets (X,Y)-- [2:0-1-15,0-1-8], [4:0-4-0,0-1-15], [9:0-4-0,0-1-15], [11:0-1-15,0-1-8]

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	0.68	Vert(LL)	0.16	20-23	>892	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.30	13-26	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 221 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 4-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-19

REACTIONS. (size) 2=0-3-8, 19=0-3-8, 11=0-3-8
Max Horz 2=110(LC 12)
Max Uplift 2=-152(LC 26), 19=-1015(LC 9), 11=-488(LC 13)
Max Grav 2=153(LC 25), 19=2146(LC 1), 11=1030(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-183/607, 3-4=-238/694, 4-5=-441/1178, 5-6=-376/239, 6-8=-1098/548, 8-9=-1315/674, 9-10=-1456/695, 10-11=-1683/805
BOT CHORD 2-20=-515/318, 19-20=-618/432, 16-17=-294/805, 14-16=-514/1319, 13-14=-415/1257, 11-13=-615/1478
WEBS 3-20=-320/286, 4-20=-381/362, 4-19=-1044/667, 5-19=-1565/767, 5-17=-369/989, 6-17=-855/412, 6-16=-256/584, 8-16=-445/298, 9-13=-79/332

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 C; 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 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 33-1-0, Zone2 33-1-0 to 37-4-1, Zone1 37-4-1 to 43-7-0 zone; 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=152, 19=1015, 11=488.

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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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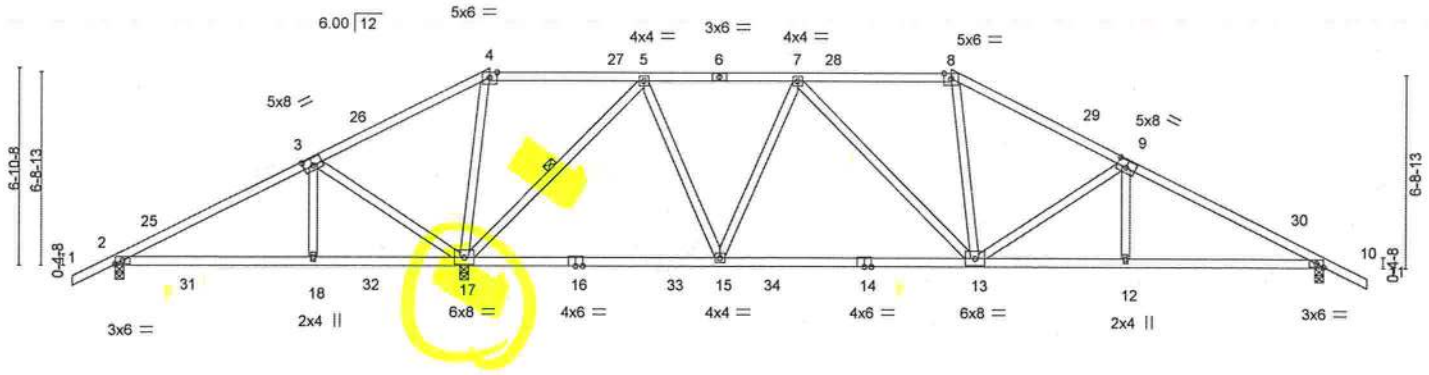
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.	T34498737
3236453	T17	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:17 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-_olv0js6q2U_A_e6?Y9WkAGVkZ3?No4D7YPM_wywWQG

1-6-0	6-10-8	13-0-0	18-4-5	23-8-11	29-1-0	35-2-8	42-1-0	43-7-0
1-6-0	6-10-8	6-1-8	5-4-5	5-4-5	5-4-5	6-1-8	6-10-8	1-6-0

Scale = 1:77.3



6-10-8	12-1-12	21-0-8	29-11-4	35-2-8	42-1-0
6-10-8	5-3-4	8-10-12	8-10-12	5-3-4	6-10-8

Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [9:0-4-0,0-3-0], [10:0-2-15,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	0.62	Vert(LL)	-0.19	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.34	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 227 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-17

REACTIONS. (size) 2=0-3-8, 17=0-3-8, 10=0-3-8
Max Horz 2=153(LC 12)
Max Uplift 2=-139(LC 12), 17=-832(LC 9), 10=-501(LC 13)
Max Grav 2=234(LC 25), 17=2305(LC 2), 10=1125(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-109/526, 3-4=-260/932, 4-5=-136/712, 5-7=-755/392, 7-8=-1131/613, 8-9=-1379/630, 9-10=-1843/787
BOT CHORD 2-18=-442/304, 17-18=-438/304, 15-17=-96/399, 13-15=-236/941, 12-13=-577/1618, 10-12=-577/1614
WEBS 3-17=-590/573, 4-17=-640/299, 5-17=-1538/581, 5-15=-283/939, 7-15=-541/344, 7-13=-126/330, 8-13=-62/362, 9-13=-535/366

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 C; 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 13-0-0, Zone2 13-0-0 to 17-2-15, Zone1 17-2-15 to 29-1-0, Zone2 29-1-0 to 33-3-15, Zone1 33-3-15 to 43-7-0 zone; 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=139, 17=832, 10=501.

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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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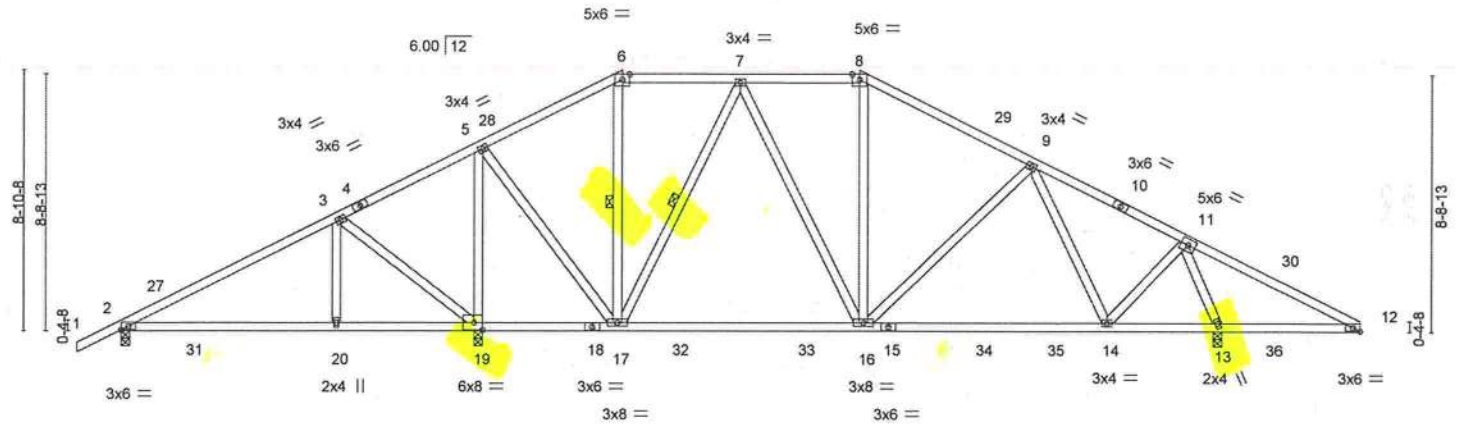
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	T19	Hip	1	1	T34498739
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:18 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-S?sHD3slbLcro8DIZGglHNpinzRh6C8MMC9wXMywWQF

1-6-0	7-3-15	12-1-12	17-0-0	21-0-8	25-1-0	30-11-4	36-1-9	42-1-0
1-6-0	7-3-15	4-9-13	4-10-4	4-0-8	4-0-8	5-10-4	5-2-5	5-11-7

Scale = 1:75.4



7-3-15	12-1-12	17-0-0	25-1-0	33-6-1	37-3-4	37-5-0	42-1-0
7-3-15	4-9-13	4-10-4	8-1-0	8-5-1	3-9-3	0-1-12	4-8-0

Plate Offsets (X,Y)-- [12:0-2-15,Edge], [19:0-3-8,0-3-0]

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	0.47	Vert(LL)	-0.17	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.27	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 249 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 17-19,12-13.
WEBS 1 Row at midpt 6-17, 7-17

REACTIONS. (size) 2=0-3-8, 19=0-3-8, 13=0-3-8
Max Horz 2=212(LC 16)
Max Uplift 2=-200(LC 9), 19=-616(LC 12), 13=-572(LC 13)
Max Grav 2=460(LC 25), 19=1635(LC 2), 13=1406(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-393/287, 3-5=-75/292, 5-6=-460/293, 6-7=-371/286, 7-8=-704/439, 8-9=-846/428, 9-11=-720/337, 11-12=-325/432
BOT CHORD 2-20=-194/342, 19-20=-194/342, 16-17=-96/585, 14-16=-152/724, 12-13=-329/345
WEBS 3-20=-230/288, 3-19=-574/505, 5-19=-1186/441, 5-17=-225/909, 7-17=-496/244, 7-16=-99/307, 9-14=-349/215, 11-14=-169/698, 11-13=-1319/576

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 C; 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 17-0-0, Zone2 17-0-0 to 21-0-8, Zone1 21-0-8 to 25-1-0, Zone2 25-1-0 to 29-3-15, Zone1 29-3-15 to 42-1-0 zone; cantilever 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=200, 19=616, 13=572.

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Philip J. O'Regan PE No.59126
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Date:

July 21,2024

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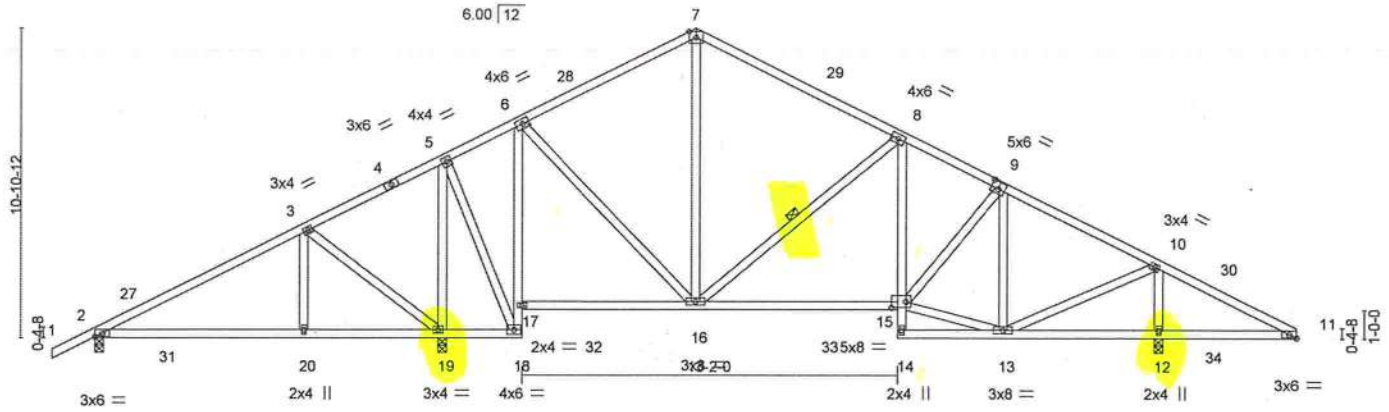
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.	T34498741
3236453	T21	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:20 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-ONz2elu?7zsZ1SMhggjDMou1Vm7Ma4KfpWe0bEywWQD

1-6-0	7-3-15	12-1-12	14-11-8	21-0-8	28-1-8	31-10-0	37-3-4	42-1-0
1-6-0	7-3-15	4-9-13	2-9-12	6-1-0	7-1-0	3-8-8	5-5-4	4-9-12

Scale = 1:78.0



7-3-15	12-1-12	14-11-8	21-0-8	28-1-8	31-10-0	37-3-4	37-5-0	42-1-0
7-3-15	4-9-13	2-9-12	6-1-0	7-1-0	3-8-8	5-5-4	0-1-12	4-8-0

Plate Offsets (X,Y)-- [9:0-3-0,0-3-0], [11:0-2-15,Edge], [15:0-6-0,0-2-8]

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	0.52	Vert(LL)	0.14	20-23	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.19	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 260 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-18,8-14: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-8-14 oc bracing.
WEBS 1 Row at midpt 8-16

REACTIONS. (size) 2=0-3-8, 19=0-3-8, 12=0-3-8
Max Horz 2=258(LC 12)
Max Uplift 2=-255(LC 8), 19=-619(LC 12), 12=-595(LC 13)
Max Grav 2=411(LC 25), 19=1766(LC 2), 12=1345(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-288/413, 3-5=-80/591, 5-6=-167/369, 6-7=-576/443, 7-8=-590/405, 8-9=-916/505, 9-10=-778/391, 10-11=-363/356
BOT CHORD 2-20=-271/193, 19-20=-271/193, 18-19=-370/144, 17-18=-936/259, 6-17=-821/274, 15-16=-170/815, 12-13=-264/380, 11-12=-264/380
WEBS 3-20=-225/282, 3-19=-585/520, 5-19=-1301/432, 5-18=-276/1067, 6-16=-20/558, 8-16=-483/339, 13-15=-115/697, 9-15=-76/253, 9-13=-449/224, 10-13=-418/980, 10-12=-1125/648

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 C; 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 21-0-8, Zone2 21-0-8 to 25-3-7, Zone1 25-3-7 to 42-1-0 zone; cantilever 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=255, 19=619, 12=595.

This item has been digitally signed and sealed by ORegan, Philip, 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.

Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

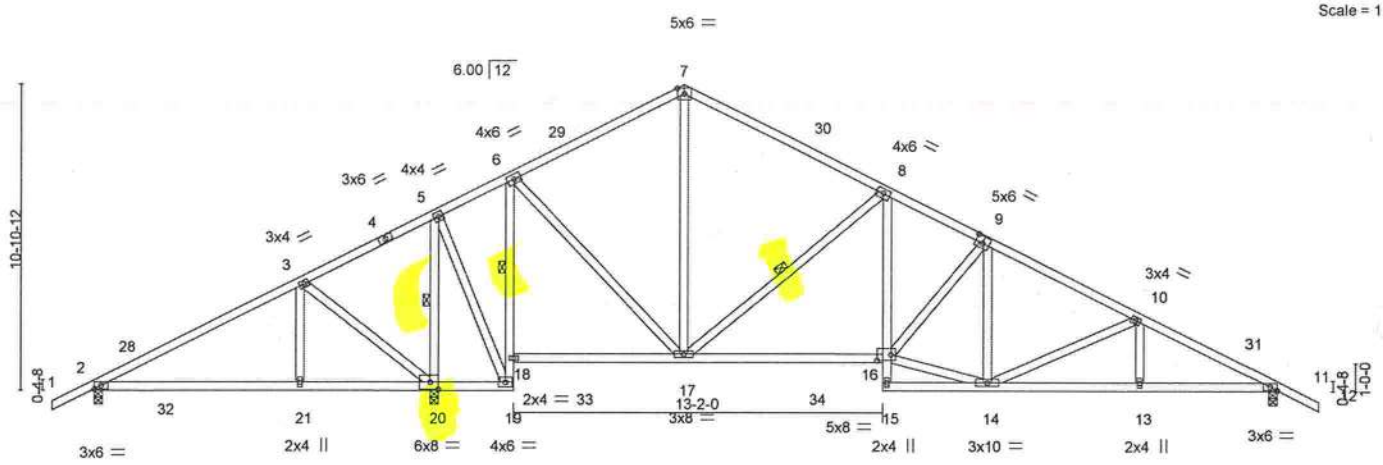
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.	T34498743
3236453	T23	Roof Special	6	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:21 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-saXQs4vduG_QfcxtEOESv0QCpAUEJdzo2ANa7hywWQC

1-6-0	7-3-15	12-1-12	14-11-8	21-0-8	28-1-8	31-10-0	37-3-4	42-1-0	43-7-0
1-6-0	7-3-15	4-9-13	2-9-12	6-1-0	7-1-0	3-8-8	5-5-4	4-9-12	1-6-0

Scale = 1:79.1



7-3-15	12-1-12	14-11-8	21-0-8	28-1-8	31-10-0	37-3-4	42-1-0
7-3-15	4-9-13	2-9-12	6-1-0	7-1-0	3-8-8	5-5-4	4-9-12

Plate Offsets (X,Y)-- [9:0-3-0,0-3-0], [11:0-2-15,Edge], [16:0-6-0,0-2-8], [20:0-3-8,0-3-0]

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	0.55	Vert(LL)	-0.15	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.27	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 262 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-19,8-15: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-0-1 oc bracing. Except:
1 Row at midpt 6-18
WEBS 1 Row at midpt 5-20, 8-17

REACTIONS. (size) 2=0-3-8, 11=0-3-8, 20=0-3-8
Max Horz 2=-242(LC 13)
Max Uplift 2=-244(LC 8), 11=-540(LC 13), 20=-686(LC 12)
Max Grav 2=362(LC 25), 11=1154(LC 2), 20=2129(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-180/393, 3-5=-113/777, 5-6=-108/356, 6-7=-693/508, 7-8=-706/469, 8-9=-1455/753, 9-10=-1581/764, 10-11=-2033/912
BOT CHORD 2-21=-272/97, 20-21=-272/97, 19-20=-577/219, 18-19=-1236/334, 6-18=-1118/344, 16-17=-360/1296, 8-16=-224/698, 13-14=-718/1785, 11-13=-718/1785
WEBS 3-21=-224/281, 3-20=-585/519, 5-20=-1643/494, 5-19=-332/1374, 6-17=-119/839, 7-17=-224/310, 8-17=-951/551, 14-16=-421/1421, 10-14=-465/294

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 C; 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 21-0-8, Zone2 21-0-8 to 25-3-7, Zone1 25-3-7 to 43-7-0 zone; 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=244, 11=540, 20=686.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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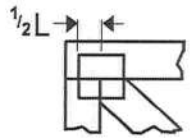
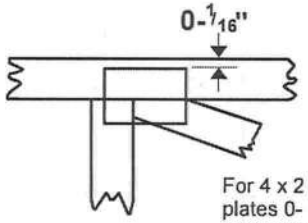
Symbols

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

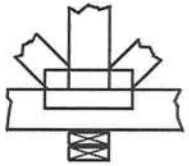
4 x 4

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

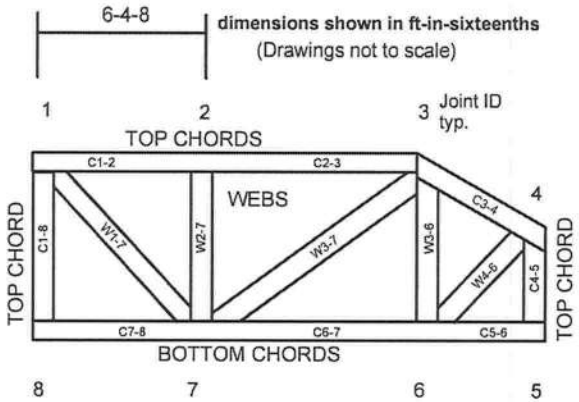


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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

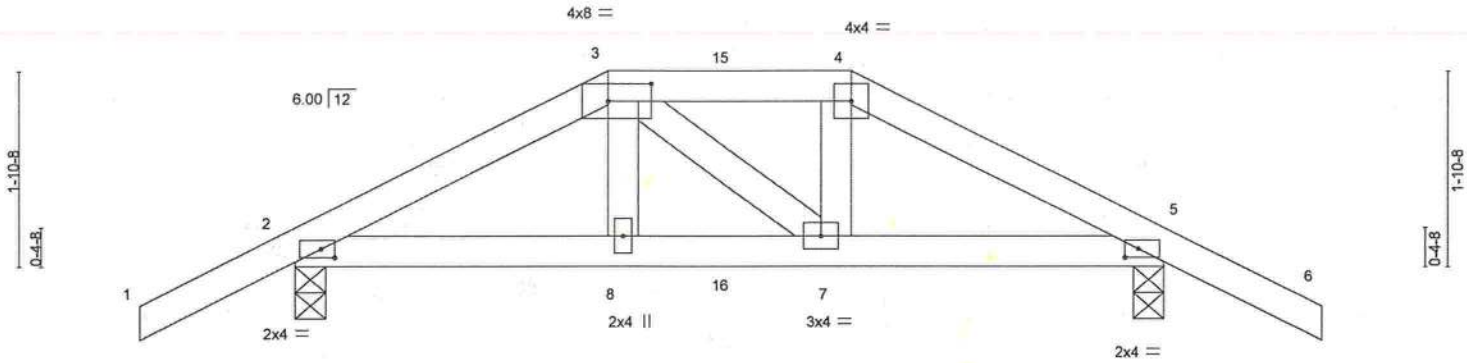
1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.	T34498744
3236453	T24	HIP GIRDER	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:22 2024 Page 1
ID:fRijugoliQj9qlqT_5CiYdzq7NP-Km5o3QvFfa6GHlW3o5lhRDzSqayb2CwyHq77g7ywWQB

-1-6-0 | 3-0-0 | 5-4-0 | 8-4-0 | 9-10-0
1-6-0 | 3-0-0 | 2-4-0 | 3-0-0 | 1-6-0

Scale = 1:21.2



3-0-0 | 5-4-0 | 8-4-0
3-0-0 | 2-4-0 | 3-0-0

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

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	0.15	Vert(LL)	0.02	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.01	8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 38 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-6-8 oc bracing.

REACTIONS. (size) 2=0-3-8, 5=0-3-8
Max Horz 2=-49(LC 13)
Max Uplift 2=-325(LC 8), 5=-323(LC 9)
Max Grav 2=425(LC 21), 5=426(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-495/457, 3-4=-421/446, 4-5=-497/480
BOT CHORD 2-8=-373/413, 7-8=-381/419, 5-7=-386/421

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 C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=325, 5=323.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 29 lb down and 55 lb up at 3-0-0, and 29 lb down and 53 lb up at 4-2-0, and 141 lb down and 135 lb up at 5-4-0 on top chord, and 112 lb down and 83 lb up at 3-0-0, and 22 lb down and 34 lb up at 4-2-0, and 112 lb down and 83 lb up at 5-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) 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: 1-3=-54, 3-4=-54, 4-6=-54, 9-12=-20
Concentrated Loads (lb)
Vert: 3=-6(F) 4=-13(F) 8=-19(F) 7=-19(F) 15=-6(F) 16=-9(F)

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.	T34498742
3236453	T22	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:21 2024 Page 1
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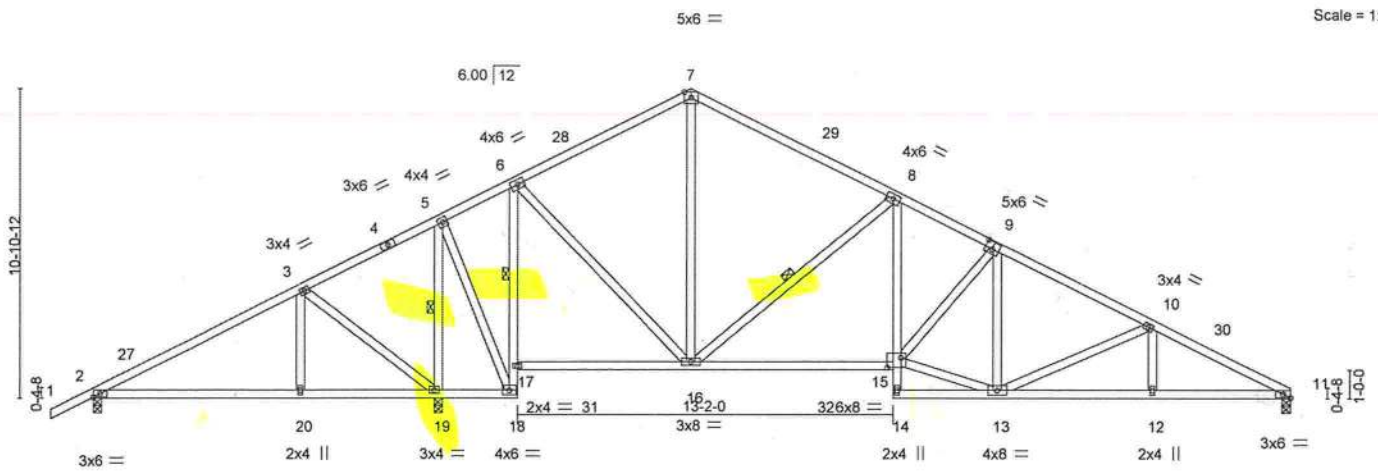
1-6-0	7-3-15	12-1-12	14-11-8	21-0-8	28-1-8	31-10-0	37-3-4	42-1-0
1-6-0	7-3-15	4-9-13	2-9-12	6-1-0	7-1-0	3-8-8	5-5-4	4-9-12

Scale = 1:78.0



7-3-15	12-1-12	14-11-8	21-0-8	28-1-8	31-10-0	37-3-4	42-1-0
7-3-15	4-9-13	2-9-12	6-1-0	7-1-0	3-8-8	5-5-4	4-9-12

Plate Offsets (X,Y)-- [9:0-3-0,0-3-0], [11:0-2-15,Edge], [15:0-6-0,0-4-4]

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	0.55	Vert(LL)	-0.15	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.28	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 260 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-18,8-14: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-11-12 oc bracing. Except:
1 Row at midpt 6-17
WEBS 1 Row at midpt 5-19, 8-16

REACTIONS. (size) 2=0-3-8, 11=0-3-8, 19=0-3-8
Max Horz 2=258(LC 12)
Max Uplift 2=-158(LC 12), 11=-480(LC 13), 19=-699(LC 12)
Max Grav 2=360(LC 25), 11=1084(LC 2), 19=2136(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-176/331, 3-5=-132/756, 5-6=-85/329, 6-7=-691/496, 7-8=-704/458, 8-9=-1494/757, 9-10=-1585/756, 10-11=-2051/918
BOT CHORD 18-19=-584/214, 17-18=-1243/347, 6-17=-1124/359, 15-16=-396/1336, 8-15=-243/748, 12-13=-757/1804, 11-12=-757/1804
WEBS 3-20=0/281, 3-19=-586/357, 5-19=-1649/507, 5-18=-356/1380, 6-16=-120/845, 7-16=-214/309, 8-16=-998/570, 13-15=-458/1444, 10-13=-482/311

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 C; 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 21-0-8, Zone2 21-0-8 to 25-3-7, Zone1 25-3-7 to 42-1-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=158, 11=480, 19=699.

This item has been digitally signed and sealed by ORegan, Philip, 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.

Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

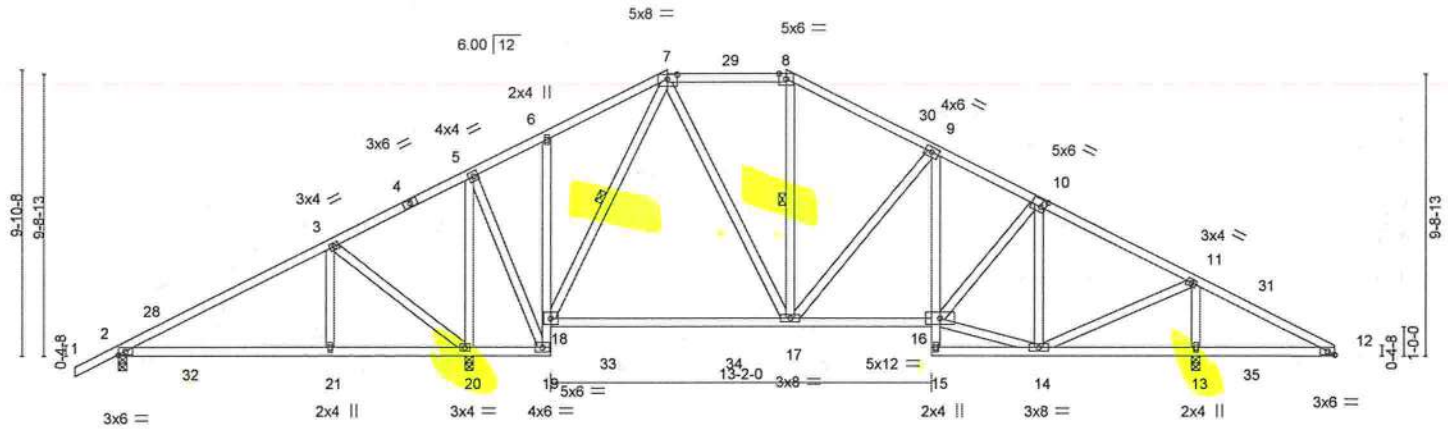
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.	
3236453	T20	Hip	1	1		T34498740
					Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:19 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-wBQfRPtNMfkiQIoU6zC_qbLt0NoCrcRWbsuT3oywWQE

1-6-0	7-3-15	12-1-12	14-11-8	19-0-0	23-1-0	28-1-8	31-10-0	37-3-4	42-1-0
1-6-0	7-3-15	4-9-13	2-9-12	4-0-8	4-1-0	5-0-8	3-8-8	5-5-4	4-9-12

Scale = 1:76.5



7-3-15	12-1-12	14-11-8	23-1-0	28-1-8	31-10-0	37-3-4	37-5-0	42-1-0
7-3-15	4-9-13	2-9-12	8-1-8	5-0-8	3-8-8	5-5-4	0-1-12	4-8-0

Plate Offsets (X,Y)-- [7:0-4-0,0-1-15], [10:0-2-0,0-3-0], [12:0-2-15,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	0.50	Vert(LL)	-0.25	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.39	17-18	>765	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.05	13	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 270 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-19,9-15: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-6-7 oc bracing.
WEBS 1 Row at midpt 7-18, 8-17

REACTIONS. (size) 2=0-3-8, 20=0-3-8, 13=0-3-8
Max Horz 2=235(LC 12)
Max Uplift 2=-242(LC 8), 20=-610(LC 12), 13=-601(LC 13)
Max Grav 2=386(LC 25), 20=1817(LC 2), 13=1317(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-232/403, 3-5=-60/653, 5-6=-144/358, 6-7=-194/407, 7-8=-561/466, 8-9=-679/463, 9-10=-855/514, 10-11=-735/403, 11-12=-305/359
BOT CHORD 2-21=-274/143, 20-21=-274/143, 19-20=-439/135, 18-19=-959/226, 17-18=-29/344, 16-17=-162/739, 13-14=-268/312, 12-13=-268/312
WEBS 3-21=-225/284, 3-20=-584/516, 5-20=-1357/423, 5-19=-237/1096, 7-18=-707/87, 7-17=-138/540, 9-17=-302/257, 14-16=-144/564, 10-14=-439/228, 11-14=-391/959, 11-13=-1095/608

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 C; 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 19-0-0, Zone3 19-0-0 to 23-1-0, Zone2 23-1-0 to 27-3-15, Zone1 27-3-15 to 42-1-0 zone; cantilever 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=242, 20=610, 13=601.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

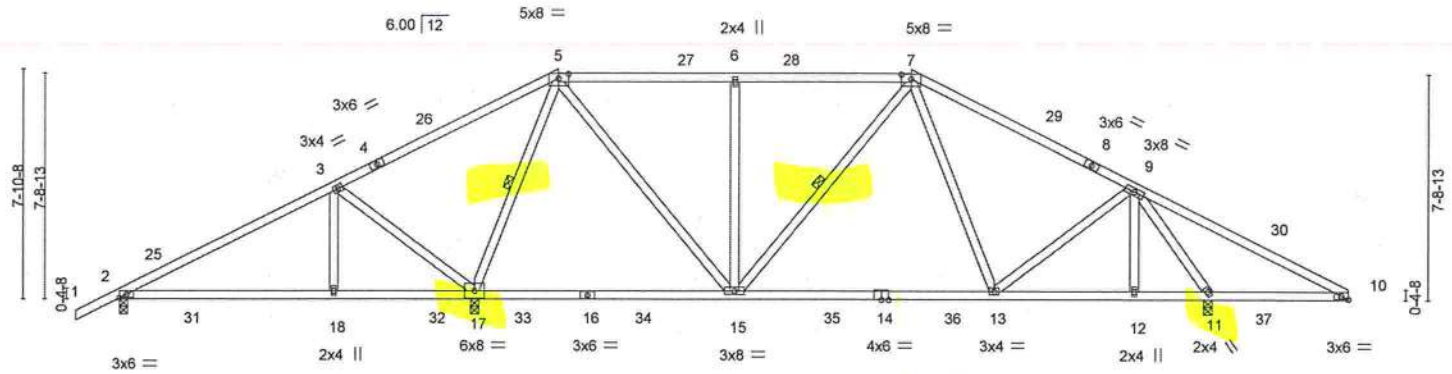
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	T18	Hip	1	1	T34498738
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:18 2024 Page 1
ID:fRijugoliQj9qlqT_5CiYdzq7NP-S?sHD3slbLcro8DIZGglHNpfVzQs6H7MMC9wXMywWQF

1-6-0	7-3-15	15-0-0	21-0-8	27-1-0	34-9-1	42-1-0
1-6-0	7-3-15	7-8-1	6-0-8	6-0-8	7-8-1	7-3-15

Scale = 1:75.8



7-3-15	12-1-12	21-0-8	29-11-4	34-9-1	37-3-4	37-5-0	42-1-0
7-3-15	4-9-13	8-10-12	8-10-12	4-9-13	2-6-3	0-1-12	4-8-0

Plate Offsets (X,Y)-- [5:0-4-0,0-1-15], [7:0-4-0,0-1-15], [10:0-2-15,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	0.68	Vert(LL)	-0.19	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.30	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 229 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 5-5-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 10-11.
WEBS 1 Row at midpt 5-17, 7-15

REACTIONS. (size) 2=0-3-8, 17=0-3-8, 11=0-3-8
Max Horz 2=191(LC 12)
Max Uplift 2=-195(LC 12), 17=-642(LC 9), 11=-572(LC 13)
Max Grav 2=428(LC 25), 17=1723(LC 2), 11=1386(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-321/282, 3-5=-104/382, 5-6=-714/394, 6-7=-714/395, 7-9=-917/429, 9-10=-328/455
BOT CHORD 2-18=-186/277, 17-18=-186/277, 13-15=-125/709, 12-13=-133/465, 11-12=-133/465, 10-11=-330/357
WEBS 3-17=-598/594, 5-17=-1155/446, 5-15=-298/886, 6-15=-374/290, 9-13=-85/359, 9-11=-1382/619

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 C; 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 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 27-1-0, Zone2 27-1-0 to 31-3-15, Zone1 31-3-15 to 42-1-0 zone; cantilever 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=195, 17=642, 11=572.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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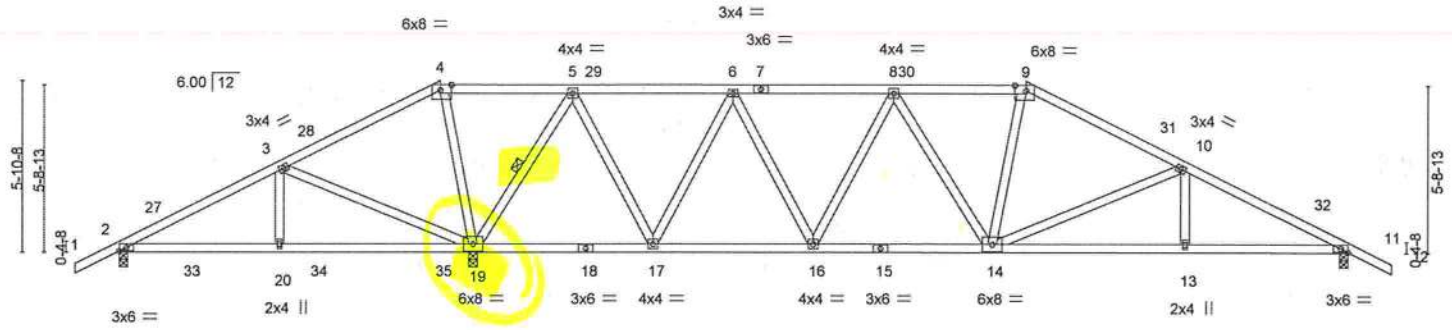
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES. T34498736
3236453	T16	Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:16 2024 Page 1
ID:fRijugoliQj9qlqT_5CiYdzq7NP-VckXoNrU3kM7Zq3vRreHCyjMs9pKeMG3uugpSTywWQH

1-6-0	5-6-6	11-0-0	15-6-10	21-0-8	26-6-6	31-1-0	36-6-10	42-1-0	43-7-0
1-6-0	5-6-6	5-5-10	4-6-10	5-5-14	5-5-14	4-6-10	5-5-10	5-6-6	1-6-0

Scale = 1:75.9



5-6-6	12-1-12	18-3-9	23-9-7	29-11-4	36-6-10	42-1-0
5-6-6	6-7-6	6-1-13	5-5-14	6-1-13	6-7-6	5-6-6

Plate Offsets (X,Y)-- [4:0-4-10,Edge], [9:0-4-10,Edge], [11:0-2-15,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	0.50	Vert(LL)	0.08	14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.16	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.03	11	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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-19

REACTIONS. (size) 2=0-3-8, 19=0-3-8, 11=0-3-8
Max Horz 2=-132(LC 13)
Max Uplift 2=-157(LC 26), 19=-952(LC 9), 11=-492(LC 13)
Max Grav 2=165(LC 25), 19=2155(LC 1), 11=1032(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-159/571, 3-4=-316/955, 4-5=-297/947, 5-6=-293/222, 6-8=-903/504, 8-9=-1109/621, 9-10=-1237/614, 10-11=-1734/791
BOT CHORD 2-20=-490/319, 19-20=-490/319, 17-19=-227/284, 16-17=-208/674, 14-16=-352/1076, 13-14=-598/1502, 11-13=-598/1502
WEBS 3-20=-209/262, 3-19=-573/569, 4-19=-655/299, 5-19=-1362/627, 5-17=-372/992, 6-17=-866/410, 6-16=-216/527, 8-16=-402/254, 9-14=-89/309, 10-14=-495/323

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 C; 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 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 31-1-0, Zone2 31-1-0 to 35-3-15, Zone1 35-3-15 to 43-7-0 zone; 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=157, 19=952, 11=492.

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

July 21,2024

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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 34 lb down and 59 lb up at 7-0-0, 24 lb down and 57 lb up at 9-0-12, 24 lb down and 57 lb up at 11-0-12, 24 lb down and 57 lb up at 13-0-12, 24 lb down and 57 lb up at 15-0-12, 24 lb down and 57 lb up at 17-0-12, 24 lb down and 57 lb up at 19-0-12, 24 lb down and 57 lb up at 21-0-8, 24 lb down and 57 lb up at 23-0-4, 24 lb down and 57 lb up at 25-0-4, 24 lb down and 57 lb up at 27-0-4, 24 lb down and 57 lb up at 29-0-4, 24 lb down and 57 lb up at 31-0-4, and 24 lb down and 57 lb up at 33-0-4, and 136 lb down and 180 lb up at 35-1-0 on top chord, and 429 lb down and 419 lb up at 7-0-0, 159 lb down and 147 lb up at 9-0-12, 159 lb down and 147 lb up at 11-0-12, 159 lb down and 147 lb up at 13-0-12, 159 lb down and 147 lb up at 15-0-12, 159 lb down and 147 lb up at 17-0-12, 159 lb down and 147 lb up at 19-0-12, 159 lb down and 147 lb up at 21-0-8, 159 lb down and 147 lb up at 23-0-4, 159 lb down and 147 lb up at 25-0-4, 159 lb down and 147 lb up at 27-0-4, 159 lb down and 147 lb up at 29-0-4, 159 lb down and 147 lb up at 31-0-4, and 159 lb down and 147 lb up at 33-0-4, and 429 lb down and 419 lb up at 35-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

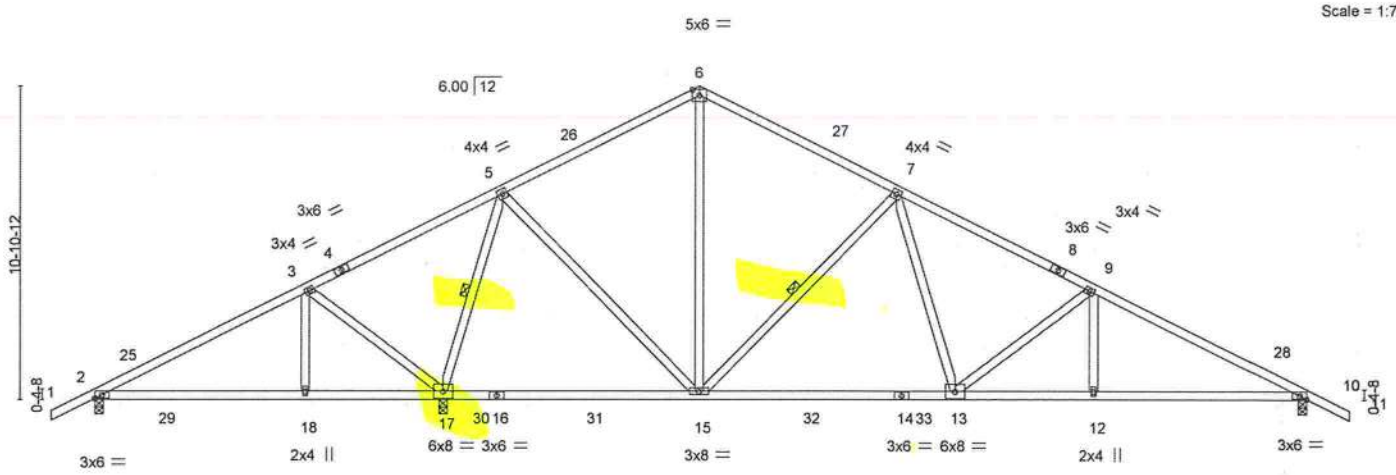
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-10=-54, 10-13=-54, 2-12=-20
   Concentrated Loads (lb)
   Vert: 4=-16(B) 10=-89(B) 21=-429(B) 7=-16(B) 14=-429(B) 26=-16(B) 27=-16(B) 28=-16(B) 29=-16(B) 30=-16(B) 31=-16(B) 32=-16(B) 33=-16(B) 34=-16(B) 35=-16(B) 36=-16(B) 37=-16(B) 38=-159(B) 39=-159(B) 40=-159(B) 41=-159(B) 42=-159(B) 43=-159(B) 44=-159(B) 45=-159(B) 46=-159(B) 47=-159(B) 48=-159(B) 49=-159(B) 50=-159(B)

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES. T34498733
3236453	T13	Common	4	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:12 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-drU0z?o_0Vrh4Dl8C?aK26ZeOYMjiZ8U_HibJiywWQL

1-6-0	7-3-15	14-2-5	21-0-8	27-10-11	34-9-1	42-1-0	43-7-0
1-6-0	7-3-15	6-10-6	6-10-3	6-10-3	6-10-6	7-3-15	1-6-0

Scale = 1:77.0



7-3-15	12-1-12	21-0-8	29-11-4	34-9-0	42-1-0
7-3-15	4-9-13	8-10-12	8-10-12	4-9-12	7-4-0

Plate Offsets (X,Y)-- [3:0-0-0,0-0-0], [10:0-2-15,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	0.59	Vert(LL)	-0.21	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.36	13-15	>989	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.04	10	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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 7-15, 5-17

REACTIONS. (size) 2=0-3-8, 17=0-3-8, 10=0-3-8
Max Horz 2=-242(LC 13)
Max Uplift 2=-191(LC 9), 17=-725(LC 12), 10=-496(LC 13)
Max Grav 2=370(LC 25), 17=2156(LC 2), 10=1165(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-198/305, 3-5=-182/688, 5-6=-671/415, 6-7=-671/382, 7-9=-1458/631, 9-10=-1898/762
BOT CHORD 2-18=-279/300, 17-18=-279/300, 15-17=-146/300, 13-15=-204/1071, 12-13=-546/1659, 10-12=-546/1659
WEBS 6-15=-155/302, 7-15=-781/510, 7-13=-184/626, 9-13=-526/369, 5-15=-218/946, 5-17=-1599/618, 3-17=-561/536

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 C; 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 21-0-8, Zone2 21-0-8 to 25-3-7, Zone1 25-3-7 to 43-7-0 zone; 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=191, 17=725, 10=496.

This item has been digitally signed and sealed by ORegan, Philip, 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:

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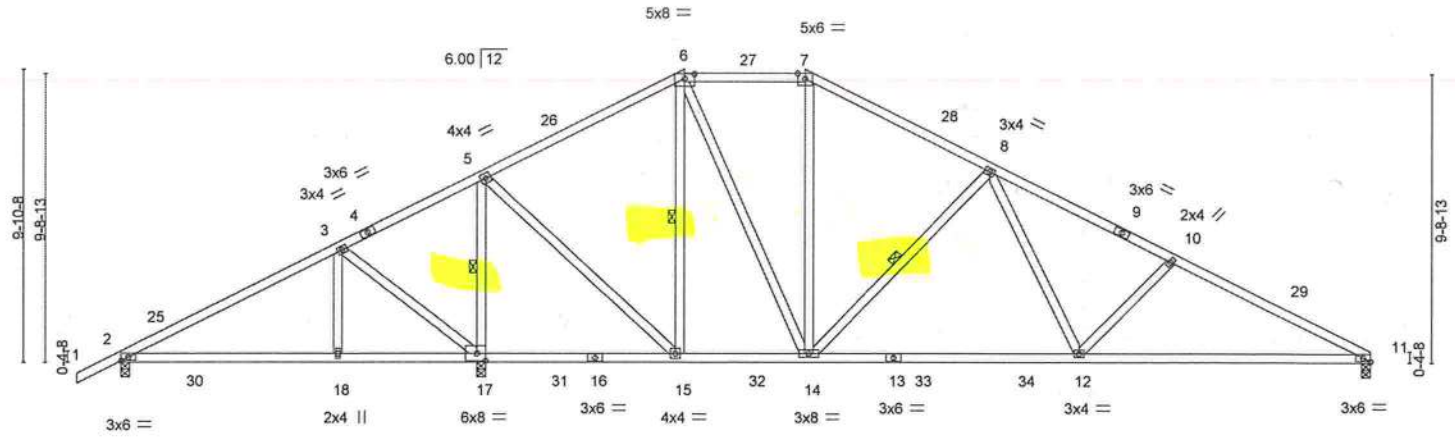
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES. T34498731
3236453	T11	Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:11 2024 Page 1
ID:fRijugoliQj9qlqT_5CiYdzq7NP-9fxelgnMFCjqS3AyeH25Vv0Us83Iz5CKldy2nGywWQM

1-6-0	7-3-15	12-1-12	19-0-0	23-1-0	29-3-13	35-4-15	42-1-0
1-6-0	7-3-15	4-9-13	6-10-4	4-1-0	6-2-13	6-1-2	6-8-1

Scale = 1:74.7



7-3-15	12-1-12	19-0-0	23-1-0	32-3-14	42-1-0
7-3-15	4-9-13	6-10-4	4-1-0	9-2-15	9-9-1

Plate Offsets (X,Y)-- [6:0-4-0,0-1-15], [11:0-2-15,Edge], [17:0-3-8,0-3-0]

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	0.51	Vert(LL)	-0.22	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.37	12-14	>977	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.03	11	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.1 *Except*
13-16: 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-17, 6-15, 8-14

REACTIONS. (size) 2=0-3-8, 17=0-3-8, 11=0-3-8
Max Horz 2=235(LC 12)
Max Uplift 2=-194(LC 9), 17=-699(LC 12), 11=-456(LC 13)
Max Grav 2=408(LC 25), 17=2064(LC 2), 11=1131(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-272/204, 3-5=-120/495, 5-6=-609/361, 6-7=-765/484, 7-8=-920/476, 8-10=-1775/748, 10-11=-1969/819
BOT CHORD 15-17=-402/338, 14-15=-30/524, 12-14=-332/1245, 11-12=-641/1734
WEBS 3-18=-240/261, 3-17=-529/491, 5-17=-1510/599, 5-15=-336/1201, 6-15=-609/258, 6-14=-303/697, 8-14=-696/462, 8-12=-204/678, 10-12=-343/321

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 C; 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 19-0-0, Zone3 19-0-0 to 23-1-0, Zone2 23-1-0 to 27-3-15, Zone1 27-3-15 to 42-1-0 zone; 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=194, 17=699, 11=456.

This item has been digitally signed and sealed by ORegan, Philip, 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.

Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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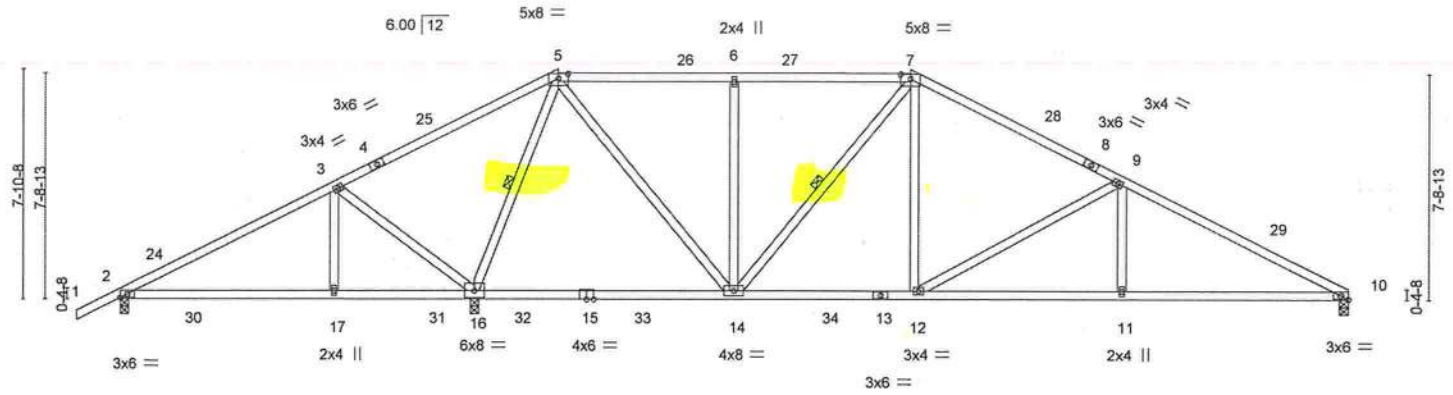
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	T09	Hip	1	1	T34498729
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:09 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-DGptK_I5jaT7Dm1ZXt0dQUx5bLMXV6O1HJTxiNywWQO

1-6-0	7-3-15	15-0-0	21-0-8	27-1-0	34-4-1	42-1-0
1-6-0	7-3-15	7-8-1	6-0-8	6-0-8	7-3-1	7-8-15

Scale = 1:75.8



7-3-15	12-1-12	15-0-0	21-0-8	27-1-0	34-4-1	42-1-0
7-3-15	4-9-13	2-10-4	6-0-8	6-0-8	7-3-1	7-8-15

Plate Offsets (X,Y)-- [5:0-4-0,0-1-15], [7:0-4-0,0-1-15], [10:0-2-15,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	0.75	Vert(LL)	-0.24	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.39	14-16	>928	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 225 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-16, 7-14

REACTIONS. (size) 2=0-3-8, 16=0-3-8, 10=0-3-8
Max Horz 2=191(LC 12)
Max Uplift 2=-168(LC 9), 16=-715(LC 12), 10=-455(LC 13)
Max Grav 2=333(LC 25), 16=2161(LC 2), 10=1093(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-113/328, 3-5=-190/714, 5-6=-768/430, 6-7=-767/430, 7-9=-1234/573, 9-10=-1900/795
BOT CHORD 2-17=-266/231, 16-17=-266/231, 12-14=-207/1023, 11-12=-606/1661, 10-11=-606/1661
WEBS 3-16=-604/598, 5-16=-1602/616, 5-14=-429/1226, 6-14=-379/292, 7-14=-433/231, 7-12=-177/578, 9-12=-721/453, 9-11=0/324

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 C; 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 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 27-1-0, Zone2 27-1-0 to 31-3-15, Zone1 31-3-15 to 42-1-0 zone; 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=168, 16=715, 10=455.

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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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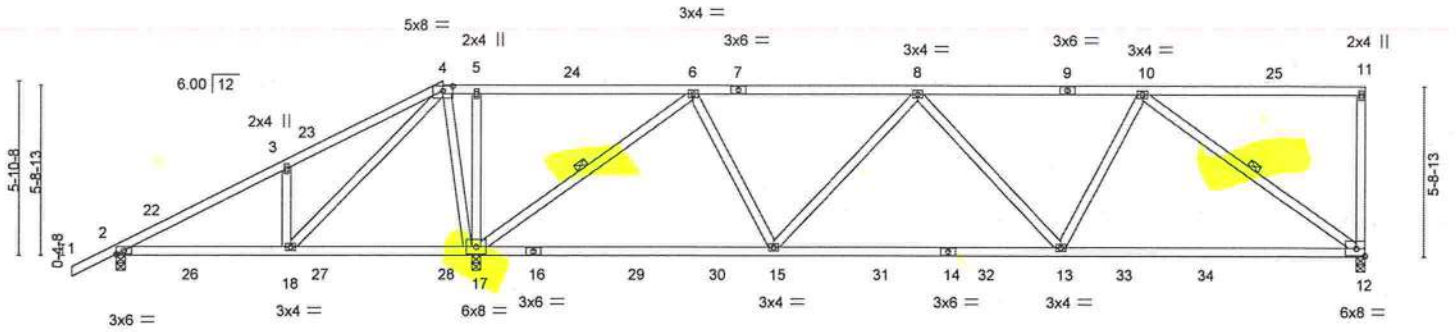
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES. T34498727
3236453	T07	Half Hip	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:08 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-k4FV7elTyHLGbcSNz9VOtGOynx0Vmhqu3fkOAxywWQP

-1-6-0	5-8-15	11-0-0	12-1-12	19-5-9	27-0-8	34-7-6	42-1-0
1-6-0	5-8-15	5-3-1	1-1-12	7-3-13	7-6-14	7-6-14	7-5-10

Scale = 1:74.7



5-8-15	12-1-12	22-2-7	31-10-8	42-1-0
5-8-15	6-4-13	10-0-11	9-8-1	10-2-8

Plate Offsets (X,Y)-- [4:0-4-0,0-1-15]

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	0.63	Vert(LL)	-0.33	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.58	12-13	>621	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 232 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1 *Except*
2-16: 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-17, 10-12

REACTIONS. (size) 12=0-3-8, 2=0-3-8, 17=0-3-8
Max Horz 2=301(LC 12)
Max Uplift 12=-461(LC 8), 2=-126(LC 12), 17=-1071(LC 9)
Max Grav 12=1089(LC 28), 2=183(LC 1), 17=2269(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-189/427, 3-4=-142/409, 4-5=-355/794, 5-6=-361/799, 6-8=-1033/381, 8-10=-1310/501
BOT CHORD 2-18=-361/105, 17-18=-672/298, 15-17=-302/673, 13-15=-578/1318, 12-13=-490/1092
WEBS 3-18=-340/319, 4-18=-675/679, 4-17=-622/460, 5-17=-379/290, 6-17=-1774/798, 6-15=-181/815, 8-15=-468/304, 10-13=-25/484, 10-12=-1316/601

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 C; 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 11-0-0, Zone2 11-0-0 to 15-2-15, Zone1 15-2-15 to 41-11-4 zone; 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) 12=461, 2=126, 17=1071.

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Date:

July 21,2024

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NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 24 lb down and 59 lb up at 7-0-0, 24 lb down and 57 lb up at 9-0-12, 24 lb down and 57 lb up at 11-0-12, 24 lb down and 57 lb up at 13-0-12, 24 lb down and 57 lb up at 15-0-12, 24 lb down and 57 lb up at 17-0-12, 24 lb down and 57 lb up at 19-0-12, 24 lb down and 57 lb up at 21-0-12, 24 lb down and 57 lb up at 23-0-12, 24 lb down and 57 lb up at 25-0-12, 24 lb down and 57 lb up at 27-0-12, 24 lb down and 57 lb up at 29-0-12, 24 lb down and 57 lb up at 31-0-12, 24 lb down and 57 lb up at 33-0-12, 24 lb down and 57 lb up at 35-0-12, 24 lb down and 57 lb up at 37-0-12 , and 24 lb down and 57 lb up at 39-0-12, and 24 lb down and 57 lb up at 41-0-12 on top chord, and 429 lb down and 419 lb up at 7-0-0, 159 lb down and 147 lb up at 9-0-12, 159 lb down and 147 lb up at 11-0-12, 159 lb down and 147 lb up at 13-0-12, 159 lb down and 147 lb up at 15-0-12, 159 lb down and 147 lb up at 17-0-12, 159 lb down and 147 lb up at 19-0-12, 159 lb down and 147 lb up at 21-0-12, 159 lb down and 147 lb up at 23-0-12, 159 lb down and 147 lb up at 25-0-12, 159 lb down and 147 lb up at 27-0-12, 159 lb down and 147 lb up at 29-0-12, 159 lb down and 147 lb up at 31-0-12, 159 lb down and 147 lb up at 33-0-12, 159 lb down and 147 lb up at 35-0-12, 159 lb down and 147 lb up at 37-0-12, and 159 lb down and 147 lb up at 39-0-12, and 160 lb down and 146 lb up at 41-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

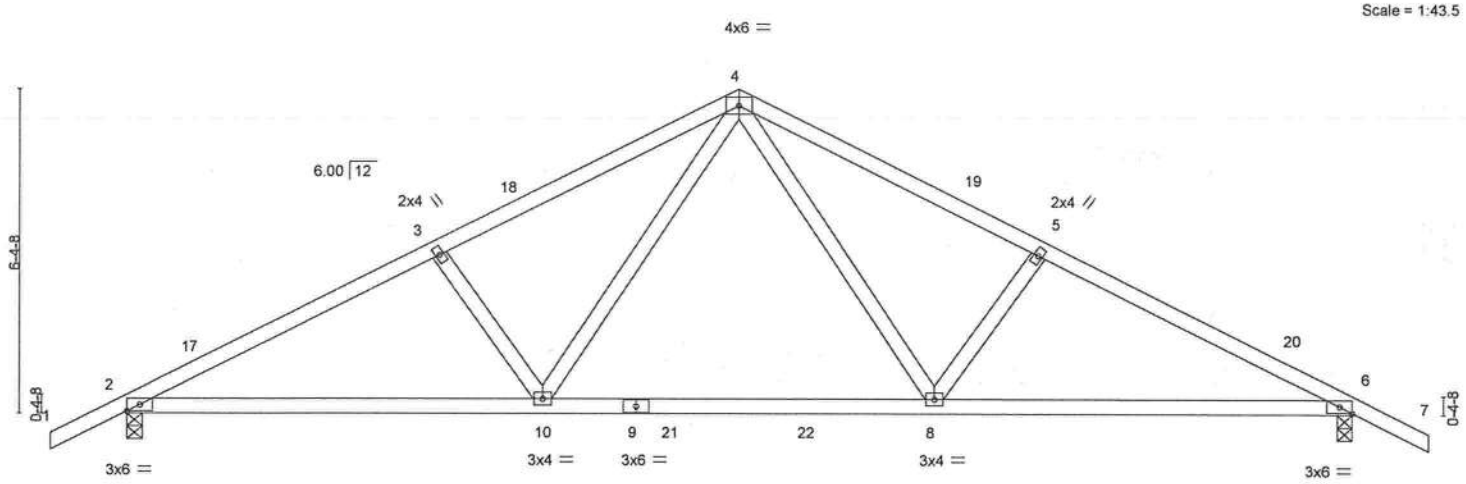
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-12=-54, 2-13=-20
   Concentrated Loads (lb)
   Vert: 4=-16(F) 7=-16(F) 20=-429(F) 16=-159(F) 10=-16(F) 23=-16(F) 24=-16(F) 25=-16(F) 26=-16(F) 27=-16(F) 28=-16(F) 29=-16(F) 31=-16(F) 32=-16(F) 33=-16(F) 34=-16(F) 35=-16(F) 36=-16(F) 37=-16(F) 38=-19(F) 39=-159(F) 40=-159(F) 41=-159(F) 42=-159(F) 43=-159(F) 44=-159(F) 45=-159(F) 46=-159(F) 47=-159(F) 48=-159(F) 49=-159(F) 50=-159(F) 51=-159(F) 52=-159(F) 53=-159(F) 54=-160(F)

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	T04	Common	9	1	T34498724
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:04 2024 Page 1
ID:fRijugoliQj9qlqT_5CiYdzq7NP-sl0_HGizu2rq7_8ckJQSjQDJ4KdEqz2l81mA1AywWQT

-1-6-0	6-1-11	12-0-0	17-10-5	24-0-0	25-6-0
1-6-0	6-1-11	5-10-5	5-10-5	6-1-11	1-6-0

Scale = 1:43.5



8-1-15	15-10-1	24-0-0
8-1-15	7-8-1	8-1-15

Plate Offsets (X,Y)-- [6:0-2-15,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	0.48	Vert(LL)	0.32	8-10	>898	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.48	8-10	>606	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 112 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-10-12 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=145(LC 12)
Max Uplift 2=-506(LC 12), 6=-506(LC 13)
Max Grav 2=1233(LC 2), 6=1233(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2133/971, 3-4=-1989/960, 4-5=-1989/960, 5-6=-2133/971
BOT CHORD 2-10=-778/1897, 8-10=-421/1273, 6-8=-773/1865
WEBS 4-8=-395/901, 5-8=-309/303, 4-10=-395/901, 3-10=-309/303

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 C; 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;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=506, 6=506.
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: 1-4=-54, 4-7=-54, 10-11=-20, 8-10=-80(F=-60), 8-14=-20

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Date:

July 21,2024

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Chesterfield, MO 63017
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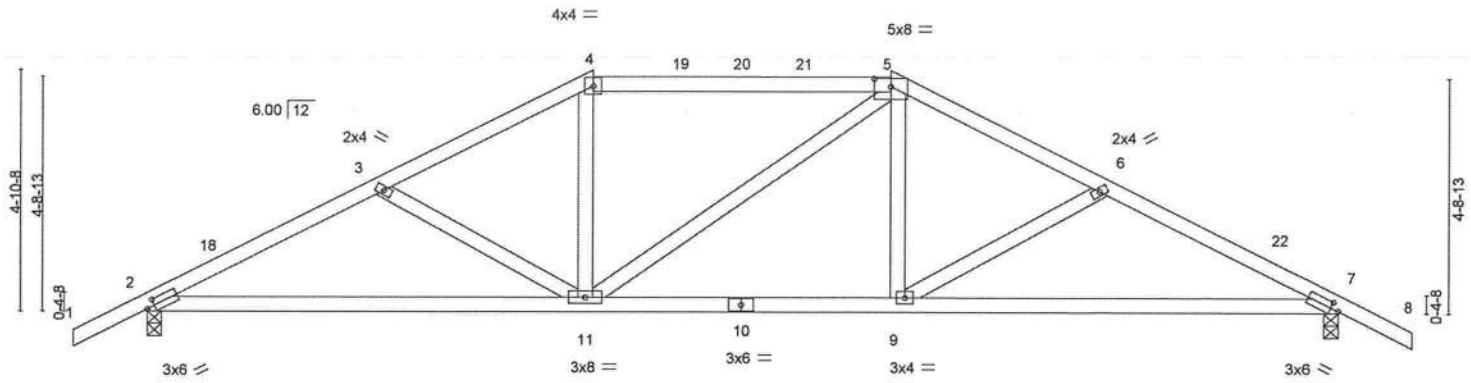
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.	T34498722
3236453	T02	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:02 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-wwuEsbgiMRb6th_DduO_e?8zaW?eM7c?gjH3yHywWQV

-1-6-0	4-9-8	9-0-0	15-0-0	19-2-8	24-0-0	25-6-0
1-6-0	4-9-8	4-2-8	6-0-0	4-2-8	4-9-8	1-6-0

Scale = 1:44.7



9-0-0	15-0-0	24-0-0
9-0-0	6-0-0	9-0-0

Plate Offsets (X,Y)-- [2:0-1-15,0-1-8], [5:0-4-0,0-1-15], [7:0-1-15,0-1-8]

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	0.49	Vert(LL)	-0.14	9-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.29	9-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 117 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 4-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-9-13 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-111(LC 17)
Max Uplift 2=-404(LC 12), 7=-404(LC 13)
Max Grav 2=969(LC 1), 7=969(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1558/636, 3-4=-1323/540, 4-5=-1135/528, 5-6=-1323/540, 6-7=-1558/636
BOT CHORD 2-11=-569/1368, 9-11=-314/1135, 7-9=-487/1368
WEBS 3-11=-262/244, 4-11=-67/355, 5-9=-78/355, 6-9=-262/245

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 C; 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 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 15-0-0, Zone2 15-0-0 to 19-4-6, Zone1 19-4-6 to 25-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=404, 7=404.

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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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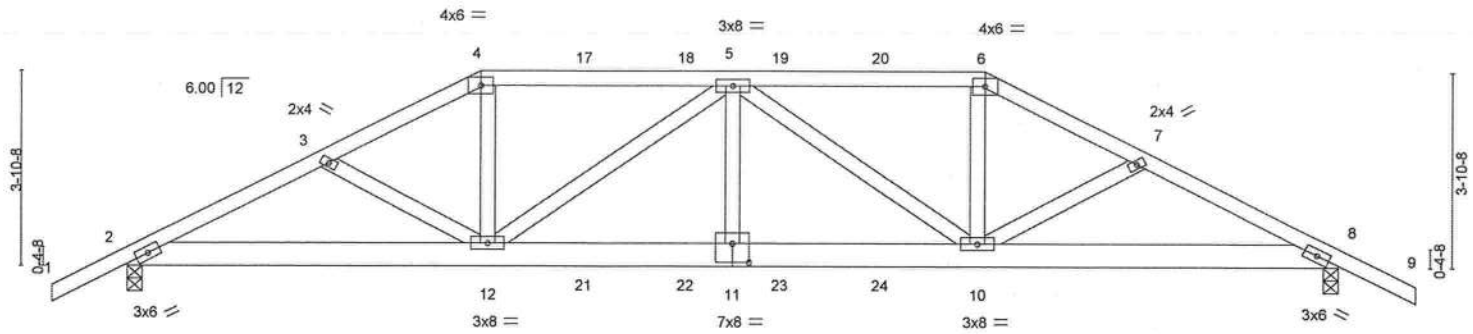
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	T01	Hip Girder	1	1	T34498721
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:02 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-wwuEsbgiMRb6th_DduO_e?8yBWznM17?gjH3yHywWQV

-1-6-0	3-11-15	7-0-0	12-0-0	17-0-0	20-0-1	24-0-0	25-6-0
1-6-0	3-11-15	3-0-1	5-0-0	5-0-0	3-0-1	3-11-15	1-6-0

Scale = 1:44.0



7-0-0	12-0-0	17-0-0	24-0-0
7-0-0	5-0-0	5-0-0	7-0-0

Plate Offsets (X,Y)-- [11:0-4-0,0-4-8]

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	0.57	Vert(LL)	0.25	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.28	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 140 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-8-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=92(LC 29)
Max Uplift 2=-1168(LC 8), 8=-1186(LC 9)
Max Grav 2=1784(LC 1), 8=1814(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3451/2345, 3-4=-3276/2269, 4-5=-2954/2099, 5-6=-3012/2132, 6-7=-3343/2309, 7-8=-3519/2385
BOT CHORD 2-12=-2090/3052, 11-12=-2396/3579, 10-11=-2396/3579, 8-10=-2034/3112
WEBS 4-12=-825/1221, 5-12=-831/619, 5-11=-352/529, 5-10=-746/536, 6-10=-778/1178

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 C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1168, 8=1186.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 34 lb down and 59 lb up at 7-0-0, 24 lb down and 57 lb up at 9-0-12, 24 lb down and 57 lb up at 11-0-12, 24 lb down and 57 lb up at 12-11-4, and 24 lb down and 57 lb up at 14-11-4, and 136 lb down and 180 lb up at 17-0-0 on top chord, and 429 lb down and 419 lb up at 7-0-0, 159 lb down and 147 lb up at 9-0-12, 159 lb down and 147 lb up at 11-0-12, 159 lb down and 147 lb up at 12-11-4, and 159 lb down and 147 lb up at 14-11-4, and 429 lb down and 419 lb up at 16-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) 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: 1-4=-54, 4-6=-54, 6-9=-54, 2-8=-20

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Date:

July 21,2024

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	HJ05	Diagonal Hip Girder	2	1	T34498719
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:25:00 2024 Page 1
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-2-1-7 / 2-1-7 | 4-2-3 / 4-2-3

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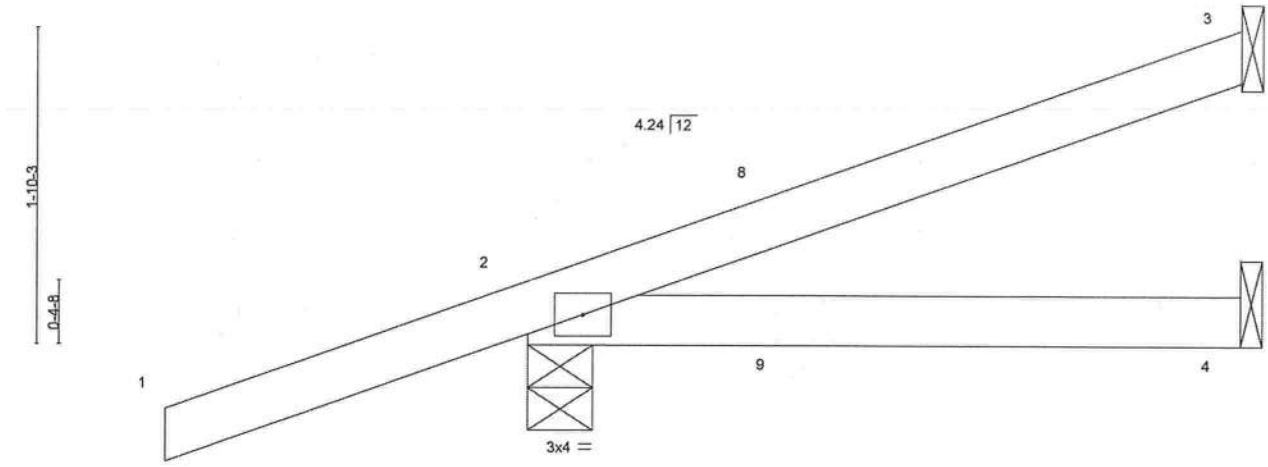

4-2-3 / 4-2-3

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.04	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP							Weight: 16 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-9, 4=Mechanical
Max Horz 2=122(LC 4)
Max Uplift 3=-78(LC 4), 2=-293(LC 4), 4=-44(LC 5)
Max Grav 3=84(LC 1), 2=296(LC 1), 4=70(LC 3)

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 C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=293.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 86 lb down and 76 lb up at 1-6-1, and 86 lb down and 76 lb up at 1-6-1 on top chord, and 59 lb down and 44 lb up at 1-6-1, and 59 lb down and 44 lb up at 1-6-1 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) 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: 1-3=-54, 4-5=-20

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

July 21,2024

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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	EJ01	Jack-Partial	39	1	T34498717
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:24:59 2024 Page 1
ID:fRijugoliQj9qIqT_5CiYdzq7NP-VLC5EZeq4WCX0DGexmrH0NWUGJ2d9o0Z_I2PMyywWQY

-1-6-0 1-6-0 | 3-8-0 3-8-0 | 7-0-0 3-4-0

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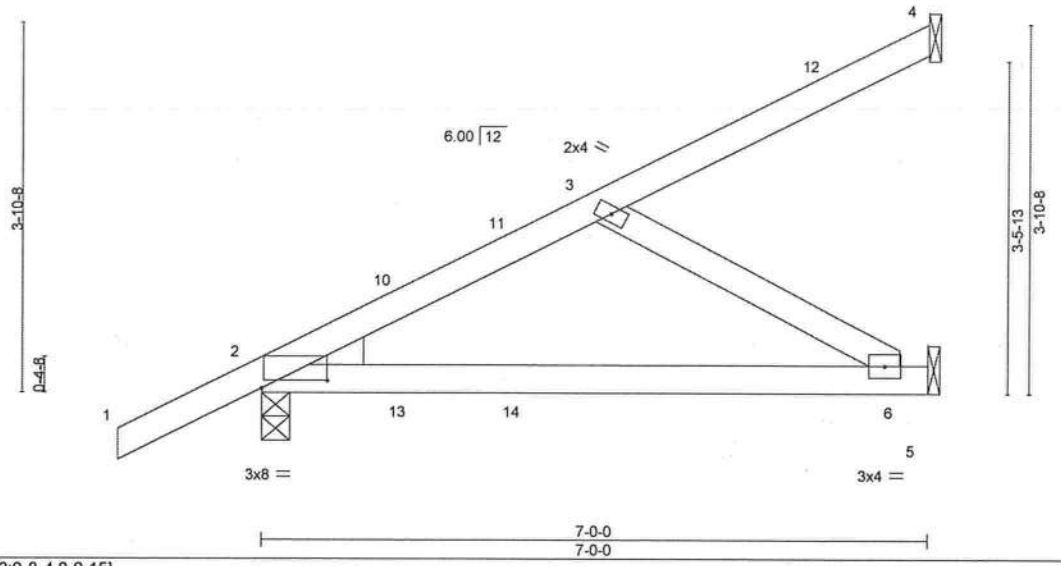

7-0-0 7-0-0

Plate Offsets (X,Y)-- [2:0-8-4,0-0-15]

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	0.36	Vert(LL)	0.11	6-9	>727	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.15	6-9	>557	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 31 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 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 8-8-13 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=198(LC 12)
Max Uplift 4=-61(LC 12), 2=-139(LC 12), 5=-127(LC 9)
Max Grav 4=69(LC 1), 2=346(LC 1), 5=179(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-264/170
BOT CHORD 2-6=-366/229
WEBS 3-6=-263/421

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; 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 6-11-4 zone; porch left 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=139, 5=127.

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Date:

July 21,2024

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG - REYNA-POOLE RES.
3236453	CJ03	Jack-Open	10	1	T34498715
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 11 2024 MiTek Industries, Inc. Fri Jul 19 11:24:58 2024 Page 1
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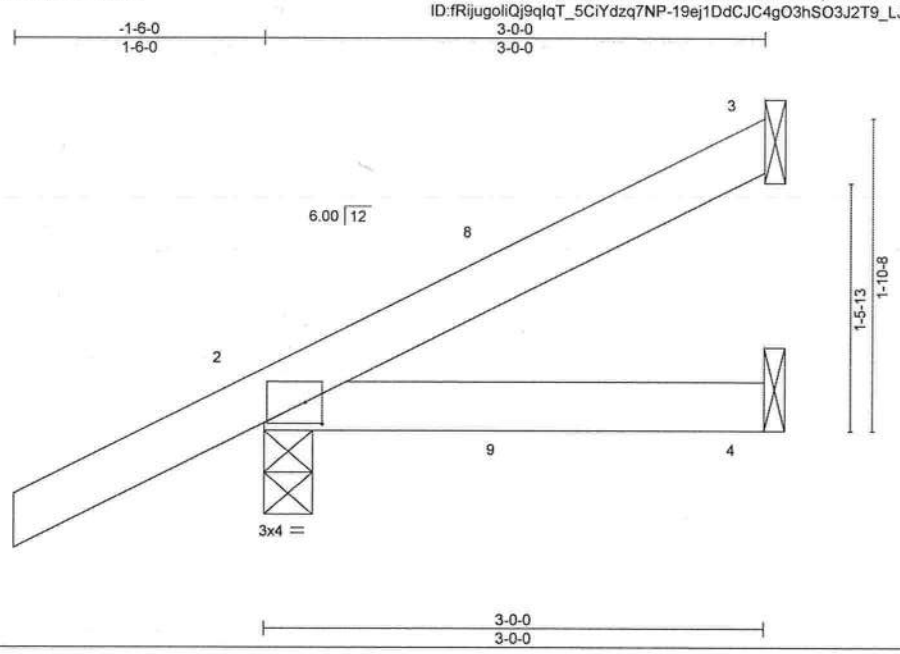

Plate Offsets (X,Y)-- [2:0-1-4,0-1-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=105(LC 12)
Max Uplift 3=-56(LC 12), 2=-100(LC 12), 4=-26(LC 9)
Max Grav 3=60(LC 1), 2=210(LC 1), 4=50(LC 3)

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 C; 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 2-11-4 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

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MiTek®

RE: 3236453 - GIEBEIG - REYNA-POOLE RES.

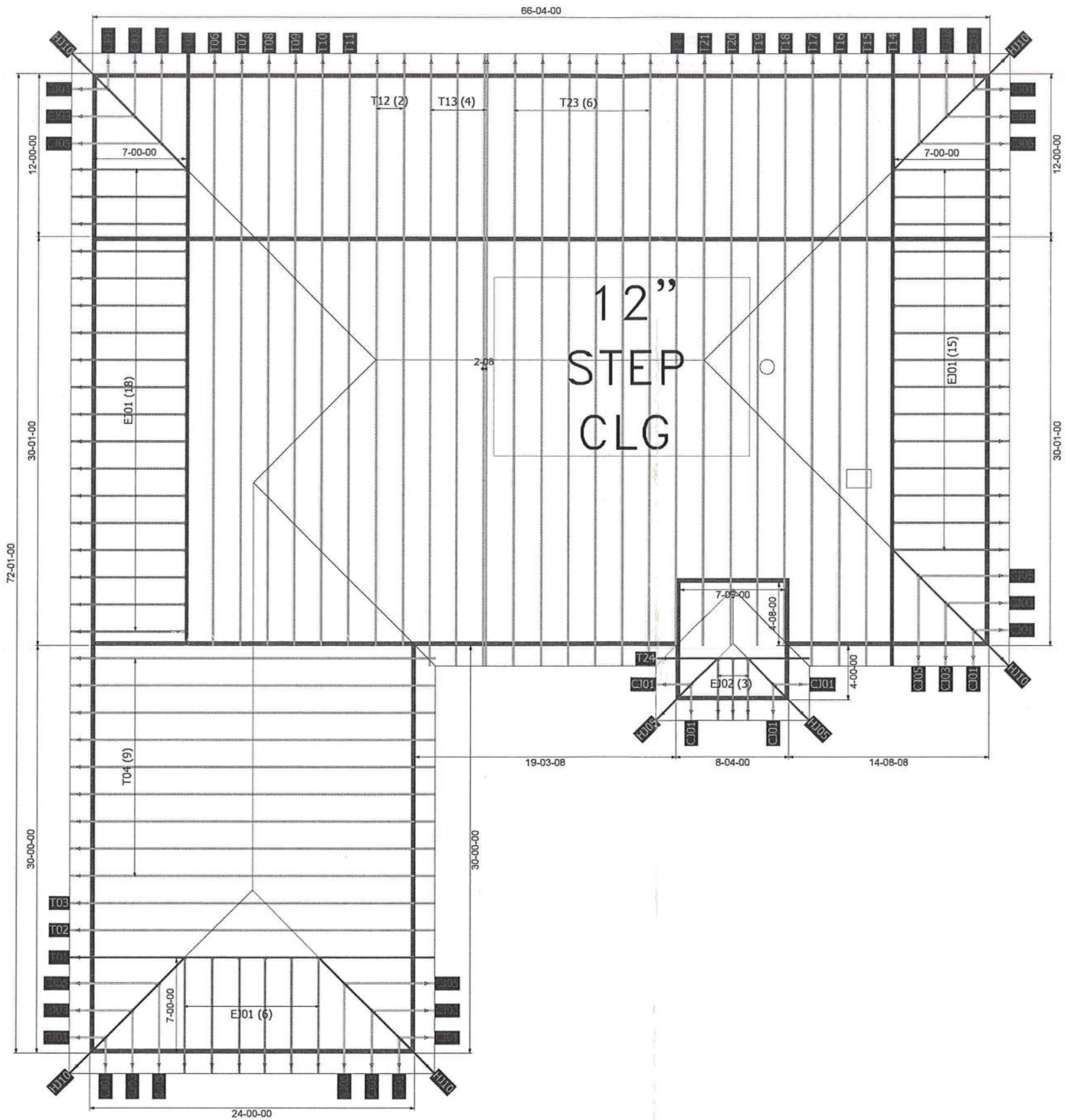
MiTek, Inc.
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: GIEBEIG CONST. Project Name: Reyna-Poole Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD SW CR 18, N/A
City: Columbia Cty State: FL

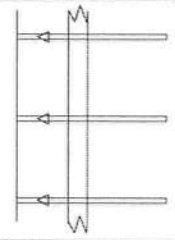
No.	Seal#	Truss Name	Date
29	T34498742	T22	7/21/24
30	T34498743	T23	7/21/24
31	T34498744	T24	7/21/24

6/12 PITCH – 18" O/H



M TEK PLATE APPROVAL # S 2 97 2 2 97 4 BO SE EWP PRODUCT # S LVL FL 644 R2 BC JO STS FL 392 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

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

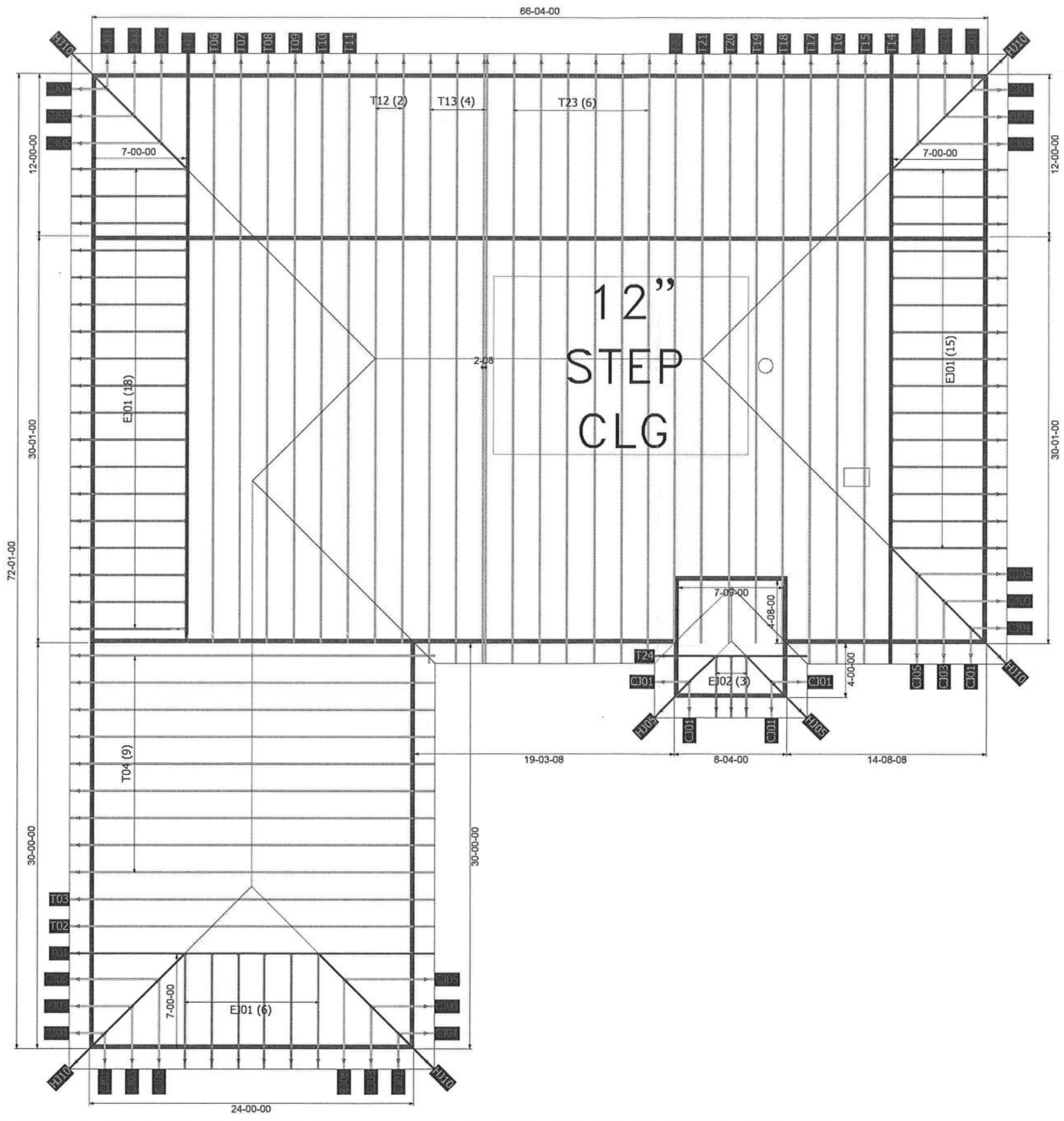
C
PHONE: 386-755-6894
FAX: 386-755-7973

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

PHONE: 850-576-5177

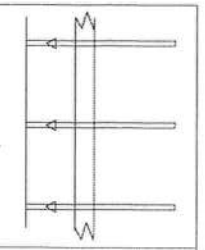
Builder: GIEBEIG CONST.		
Legal Address: Reyna and Poole House		
Model: Custom		
Date: 7-14-22	Drawn By: KLH	Original Ref #: 3236453
Floor 1 Job# N/A	Floor 2 Job#: N/A	Roof Job #: 3236453

6/12 PITCH – 18" O/H



M TEK PLATE APPROVAL # S 2 97 2 2 97 4 BO SE EWP PRODUCT # S LVL FL 644 R2 BC JO STS FL 392 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

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

C
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FAX: 904-772-1973

PHONE: 850-576-5177

Builder: GIEBEIG CONST.		
Legal Address: Reyna and Poole House		
Model: Custom		
Date: 7-14-22	Drawn By: KLH	Original Ref #: 3236453
Floor 1 Job#: N/A	Floor 2 Job#: N/A	Roof Job #: 3236453