

**Trenco**  
818 Soundside Rd  
Edenton, NC 27932

Re: J0321-1748  
Rice Cottage / Harnett

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: E15516427 thru E15516430

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



March 19, 2021

Gilbert, Eric

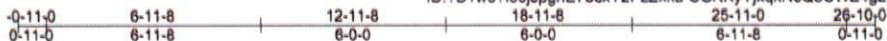
**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), 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.

Job	Truss	Truss Type	Qty	Ply	Rice Cottage / Harnett	E15516427
J0321-1748	A1-GE	GABLE	1	1		

Comtech, Inc. Fayetteville, NC - 28314,

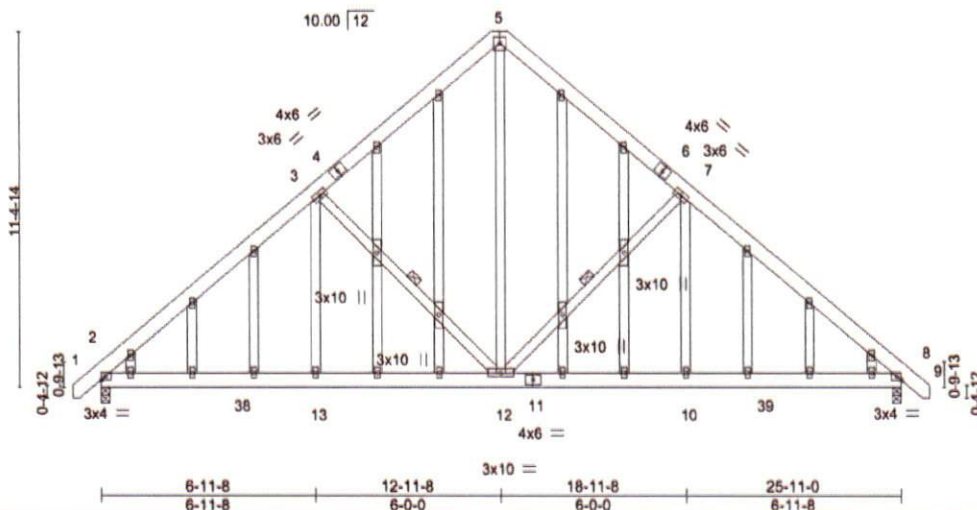
8.330 s Oct 7 2020 MiTek Industries, Inc. Fri Mar 19 07:03:51 2021 Page 1

ID: ?B1w3?i56JpghE7bcxY2PzZkka-SGKKyYjxqkNcQeCWZ4g2U8iweBK8ZzQbCtGBozZRTM



5x5 =

Scale = 1:71.8



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.19	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.22	Vert(LL) -0.03 8-10 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.72	Vert(CT) -0.06 8-10 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.02 8 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.02 12 >999 240	Weight: 271 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x4 SP No.2  
 OTHERS 2x4 SP No.2

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 7-12, 3-12

**REACTIONS.**

(size) 2=0-3-8, 8=0-3-8  
 Max Horz 2=-275(LC 10)  
 Max Uplift 2=-56(LC 12), 8=-56(LC 13)  
 Max Grav 2=1101(LC 19), 8=1101(LC 20)

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

TOP CHORD 2-3=-1316/350, 3-5=-965/415, 5-7=-965/415, 7-8=-1316/350  
 BOT CHORD 2-13=-100/1078, 12-13=-100/1078, 10-12=-102/944, 8-10=-102/944  
 WEBS 5-12=-346/891, 7-12=-559/298, 7-10=0/288, 3-12=-559/298, 3-13=0/288

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner(3) 0-9-9 to 3-7-4, Exterior(2) 3-7-4 to 12-11-8, Corner(3) 12-11-8 to 17-4-5, Exterior(2) 17-4-5 to 26-8-9 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 2 and 56 lb uplift at joint 8.



March 19, 2021

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

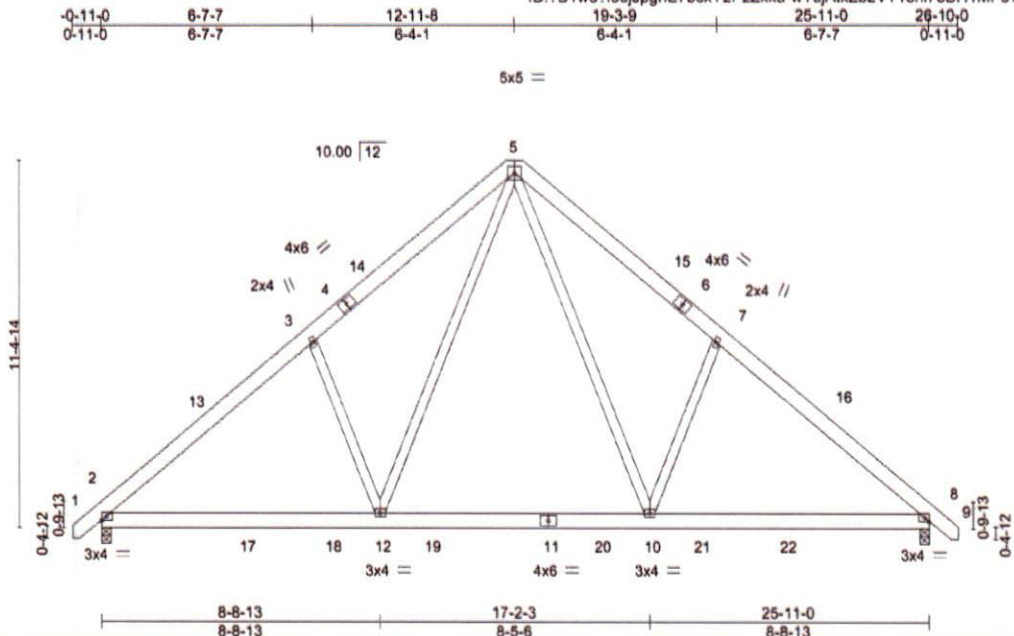


616 Soundside Road  
 Edenonton, NC 27632

Job J0321-1748	Truss A2	Truss Type COMMON	Qty 3	Ply 1	Rice Cottage / Harnett	E15516428
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Comtech, Inc, Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Fri Mar 19 07:03:52 2021 Page 1  
ID: ?B1w3?i56JpghE7bcxY2PzZkka-wTujAtkZb2VT1oni7oBH1MF5vbdJi4vLq7Mpk2zZRIL



Scale = 1:69.5

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.18	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.35	Vert(LL) -0.07 10-12 >999 360		
BCLL 0.0	Lumber DOL 1.15	WB 0.48	Vert(CT) -0.10 10-12 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.02 8 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.02 2-12 >999 240	Weight: 196 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x6 SP No.1  
BOT CHORD 2x6 SP No.1  
WEBS 2x4 SP No.2

**BRACING-**

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

**REACTIONS.**

(size) 2=0-3-8, 8=0-3-8  
Max Horz 2=-275(LC 10)  
Max Uplift 2=-56(LC 12), 8=-56(LC 13)  
Max Grav 2=1231(LC 19), 8=1231(LC 20)

**FORCES.**

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1482/287, 3-5=-1390/436, 5-7=-1390/436, 7-8=-1482/287  
BOT CHORD 2-12=-85/1215, 10-12=0/802, 8-10=-73/1076  
WEBS 5-10=-197/798, 7-10=-450/306, 5-12=-197/798, 3-12=-450/306

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-9 to 3-7-4, Interior(1) 3-7-4 to 12-11-8, Exterior(2) 12-11-8 to 17-4-5, Interior(1) 17-4-5 to 26-8-9 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 2 and 56 lb uplift at joint 8.



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**ENGINEERING BY**  
**TRENCO**  
A MiTek Affiliate

818 Soundside Road  
Edenton, NC 27932

Job J0321-1748	Truss A3	Truss Type ROOF SPECIAL	Qty 13	Ply 1	Rice Cottage / Harnett	E15516429
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Comtech, Inc. Fayetteville, NC - 28314.

8.330 s Oct 7 2020 MiTek Industries, Inc. Fri Mar 19 07:03:53 2021 Page 1

ID: ?B1w3?i56jJpgHE7bcxY2PzZkka-OFS5NDkBMldKfyMuhVjWZZoBU?z?1WKU3n6NGVzZRtK

-0-11-0	6-8-6	7-3-8	12-11-8	18-11-8	25-11-0	26-10-0
0-11-0	6-8-6	0-7-2	5-8-0	6-0-0	6-11-8	0-11-0

5x8 ||

Scale = 1:70.3

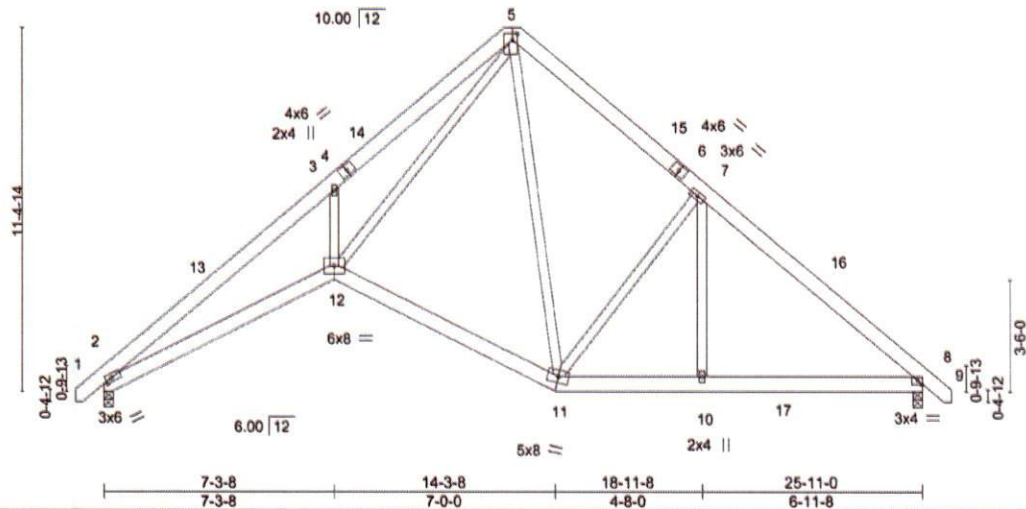


Plate Offsets (X,Y)-- [2:0-2-3,0-1-8], [5:0-2-8,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.48	Vert(LL)	-0.11	12	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.38	Vert(CT)	-0.22	11-12	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.53	Horz(CT)	0.18	8	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.09	12	>999	Weight: 202 lb	FT = 20%
	Code IRC2015/TPI2014							

**LUMBER-**

TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x4 SP No.2

**BRACING-**

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

**REACTIONS.**

(size) 2=0-3-8, 8=0-3-8  
 Max Horz 2=-275(LC 10)  
 Max Uplift 2=-56(LC 12), 8=-56(LC 13)  
 Max Grav 2=1082(LC 1), 8=1082(LC 1)

**FORCES.**

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-2724/335, 3-5=-2706/616, 5-7=-1047/376, 7-8=-1313/279  
 BOT CHORD 2-12=-175/2390, 11-12=0/805, 10-11=-58/916, 8-10=-58/916  
 WEBS 3-12=-465/380, 5-12=-350/2349, 5-11=-196/357, 7-11=-541/251, 7-10=0/269

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-9 to 3-7-4, Interior(1) 3-7-4 to 12-11-8, Exterior(2) 12-11-8 to 17-4-5, Interior(1) 17-4-5 to 26-8-9 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 30.0psf 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 BCCL = 10.0psf.
- 5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 2 and 56 lb uplift at joint 8.



**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**

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818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Rice Cottage / Harnett	E15516430
J0321-1748	A4-GE	GABLE	1	1	Job Reference (optional)	

Comtech, Inc. Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Fri Mar 19 07:03:54 2021 Page 1  
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5x6 =

Scale = 1:70.9

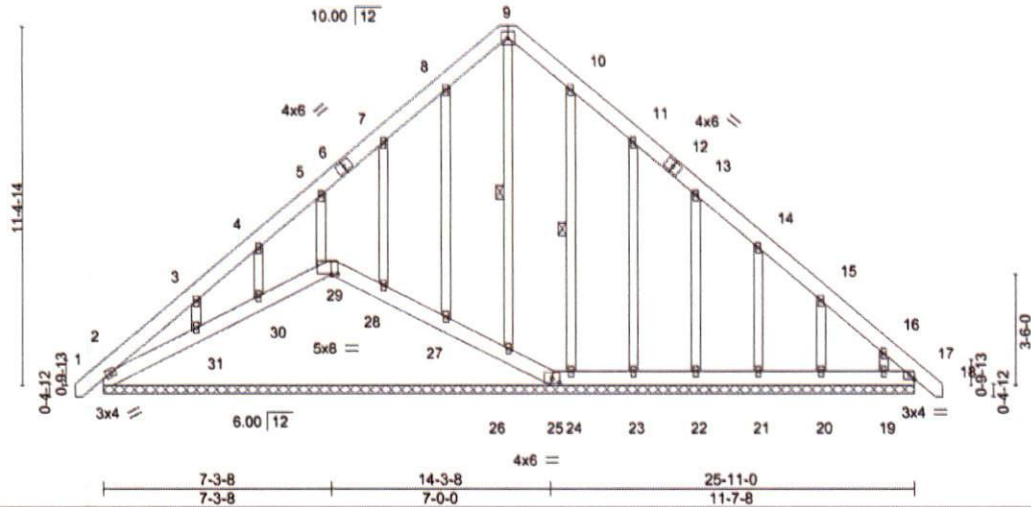


Plate Offsets (X,Y)-- [25.0-3.0,0-1-9], [29.0-2.8,0-0-6]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.15	TC 0.05	Vert(LL) -0.00	17	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) -0.00	17	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.18	Horz(CT) 0.01	17	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S						
							Weight: 234 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 OTHERS 2x4 SP No.2

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 9-26, 10-24

**REACTIONS.**

All bearings 25-11-0.  
 (lb) - Max Horz 2=-344(LC 10)  
 Max Uplift All uplift 100 lb or less at joint(s) 17, 26, 27, 30, 24 except 2=-198(LC 8), 29=-105(LC 9), 25=-135(LC 13), 28=-118(LC 12), 31=-214(LC 12), 23=-127(LC 13), 22=-111(LC 13), 21=-109(LC 13), 20=-118(LC 13), 19=-154(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 25, 27, 28, 30, 24, 23, 22, 21, 20, 19 except 2=304(LC 20), 29=293(LC 19), 17=251(LC 13), 26=253(LC 13), 31=283(LC 19)

**FORCES.**

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-372/269, 8-9=-244/274, 9-10=-244/274, 15-16=-259/170, 16-17=-378/265  
 BOT CHORD 2-31=-195/325, 30-31=-207/325, 29-30=-203/323, 28-29=-224/332, 27-28=-226/334, 26-27=-226/335, 25-26=-220/333, 24-25=-194/294, 23-24=-194/294, 22-23=-194/294, 21-22=-194/294, 20-21=-194/294, 19-20=-194/294, 17-19=-194/294  
 WEBS 3-31=-261/231

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.80 plate grip DOL=1.80
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 30.0psf 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) Bearing at joint(s) 29, 26, 27, 28 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 26, 27, 30, 24 except (l=lb) 2=198, 29=105, 25=135, 28=118, 31=214, 23=127, 22=111, 21=109, 20=118, 19=154.
- 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 29, 26, 27, 28, 30, 31.

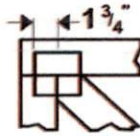


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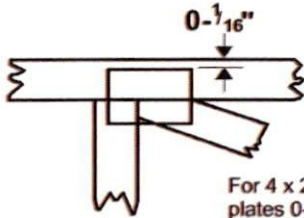
ENGINEERING BY  
**TRENCO**  
 A MITEK AFFILIATE  
 818 Soundside Road  
 Edenton, NC 27932

# 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-<sup>1</sup>/<sub>16</sub>" from outside edge of truss.



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

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

## PLATE SIZE

4 x 4

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

## LATERAL BRACING LOCATION



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

## BEARING

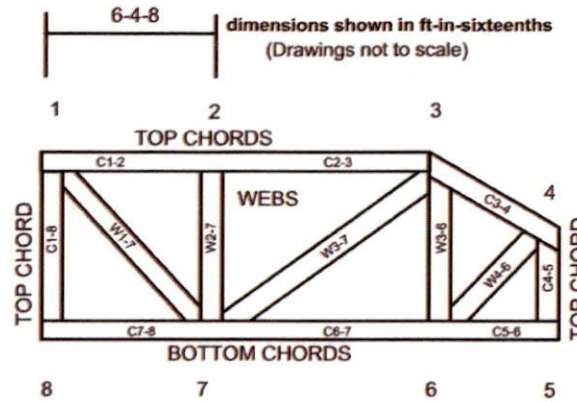


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

## Industry Standards:

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

# Numbering System



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

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

## PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020



# General Safety Notes

## Failure to Follow Could Cause Property Damage or Personal Injury

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

# Job Estimate



**ROOF & FLOOR  
TRUSSES & BEAMS**

Reilly Road Industrial Park P.O. Box 40408  
Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	//	ORDER #	J0321-1748
ORDER DATE	03/19/21	QUOTE #	B0321-1748
DELIVERY DATE	//	CUSTOMER ACCT #	000127
DATE OF INVOICE	//	CUSTOMER PO #	
ORDERED BY		INVOICE #	
SUPERINTENDANT		SALES REP	Neil Baggett
JOBSITE PHONE #			
DESIGNER	aw	TRACKING	Anthony Williams

CASH OR CHECKS ONLY NO CREDIT CARDS, ( ) -	JOB NAME: Rice Cottage MODEL: Roof TAG: Rice Cottage DELIVERY INSTRUCTIONS:	LOT # 102 SUBDIV: Mabry Road JOB CATEGORY: Residential - Roof
	SPECIAL INSTRUCTIONS:	PLAN SEAL DATE:

Mark Rice  
102 Mabry Road  
Angier, NC

## ROOF TRUSSES

PROFILE	QTY PLY	PITCH		ID	SPAN FT-IN-16	LUMBER		OVERHANG		CANTILEVER		NOTES
		TOP	BOT			TOP	BOT	LEFT	RIGHT	LEFT	RIGHT	
	1	10.00	0.00	A1-GE	25-11-00	2 X 6	2 X 6	00-11-00	00-11-00			
	3	10.00	0.00	A2	25-11-00	2 X 6	2 X 6	00-11-00	00-11-00			
	13	10.00	6.00	A3	25-11-00	2 X 6	2 X 6	00-11-00	00-11-00			
	1	10.00	6.00	A4-GE	25-11-00	2 X 6	2 X 6	00-11-00	00-11-00			
	1	Truss Drawings With B-1 and B-3 Bracing And Handling Instructions (Included in truss price)										

**ROOF SUB-TOTAL: \$ 3,763.64**

Please examine this quote, as we agree to furnish at the price herein specified only the articles named and described herein. Prices quoted are valid for jobs released for production within thirty days of date of estimate unless otherwise specified. Additional design time made necessary by incorrect foundation installation or plan changes may require additional charges. This estimate includes sealed engineering of individual truss drawings only. Any requirement for additional engineering services will be billed in quarter hour increments as costs are incurred.

<b>SUB-TOTAL</b>	\$3,763.64
<b>SALES TAX 7.00%</b>	\$263.45
<b>GRAND TOTAL</b>	<b>\$4027.09</b>

**ACCEPTED BY SELLER**

BY: \_\_\_\_\_  
TITLE: \_\_\_\_\_  
DATE OF ACCEPTANCE: \_\_\_\_\_

**ACCEPTED BY BUYER**

PURCHASER: \_\_\_\_\_  
BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
PHONE: \_\_\_\_\_ DATE: \_\_\_\_\_

**WARNING:** As part of this proposal, we warn that trusses can be dangerous and cause property damage or personal injury if improperly installed and / or braced. Customer acceptance hereof shall constitute his affirmative representation to us that he is trained in the proper and safe methods of truss installation and bracing, and will use such methods. Customer acknowledges receipt of instructional pamphlet entitle: 'Bracing Wood Trusses: Commentary and recommendations', HIB-91, as published by the Truss Plate Institute, Inc., and also the engineering drawings showing the required lateral bracing. By his acceptance, Customer agrees, for himself, his agents and employees, to hold Comtech Inc. harmless from any and all actions for property damage, personal injury, or wrongful death resulting from improper installation and / or bracing during erection of the trusses comprehended hereby.



**ROOF & FLOOR TRUSSES & BEAMS**

Reilly Road Industrial Park  
Fayetteville, N.C. 28309  
Phone: (910) 864-8787  
Fax: (910) 864-4444

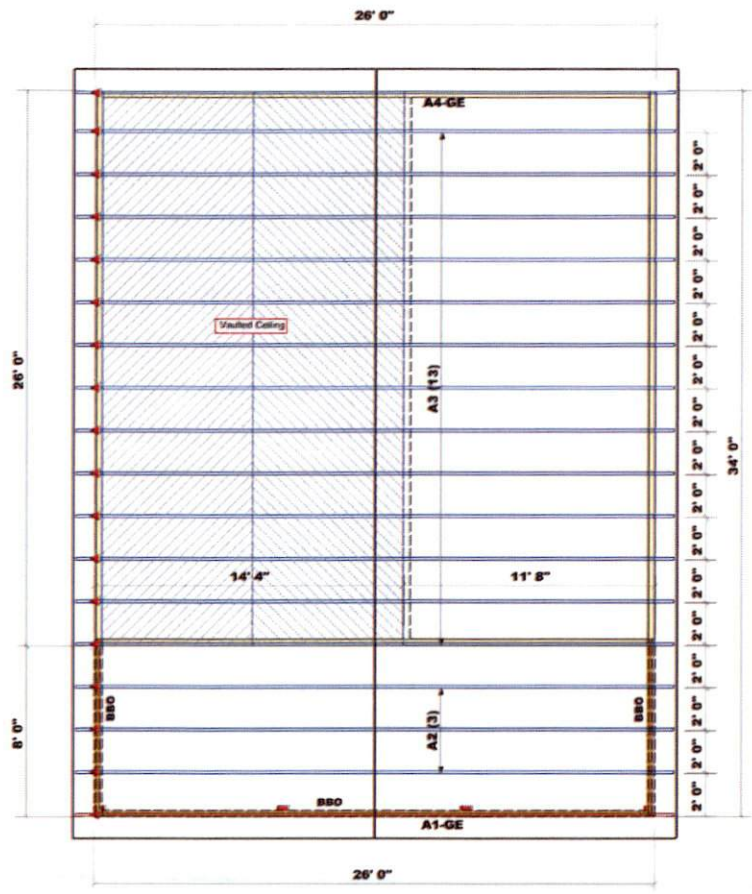
Bearing capacities less than or equal to 2000 are shown to comply with the provisions of Code requirements. The engineer shall refer to the attached Tables (derived from the provisions of Code requirements) to determine the minimum number and size and number of wood studs required to support reactions greater than 2000 and not greater than 15000. A registered design professional shall be retained to design the support system for any reaction load exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000.

Signature: \_\_\_\_\_  
Sales Area

**LOAD CHART FOR JACK STUDS**

BASED ON TABLE 2.10.2.1.1.1  
NUMBER OF JACK STUDS REQUIRED IS A FUNCTION OF REACTION

REACTION (KIP)	NO. OF JACK STUDS	REACTION (KIP)	NO. OF JACK STUDS
1700	1	2500	1
3400	2	5000	2
5100	3	7500	3
6800	4	10000	4
8500	5	12500	5
10200	6	15000	6
11900	7		
13600	8		
15300	9		



**Dimension Notes**

1. All exterior wall to wall dimensions are to face of sheathing unless noted otherwise.
2. All interior wall dimensions are to face of frame wall unless noted otherwise.
3. All exterior wall to truss dimensions are to face of frame wall unless noted otherwise.

Roof Area = 1312.12 sq.ft.  
Ridge Line = 36 ft.  
Hip Line = 0 ft.  
Horiz. OH = 72 ft.  
Raked OH = 72.9 ft.  
Decking = 45 sheets

All Walls Shown Are Considered Load Bearing

▲ = Indicates Left End of Truss (Reference Engineered Truss Drawing)  
Do Not Erect Trusses Backwards

Truss Placement Plan  
SCALE: 1/4" = 1'-0"

BUILDER	MARK RICE	COUNTY	HARRIETT COUNTY
JOB NAME	Rice Cottage	ADDRESS	102 Mabry Rd. / Angier, NC
PLAN	Rice Cottage	MODEL	Roof
SEAL DATE	3/12/21	DATE REV.	3/18/21
QUOTE #	80321-1748	DRAWN BY	Anthony Williams
JOB #	TBD	SALESMAN	Nail Baggett

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, joists and columns is the responsibility of the building designer. For general questions regarding building standards ICC-601 and ICC-602 provided with the truss delivery package or online @ comtech.com



Reaction Summary of Order



REQ. QUOTE DATE	//	ORDER #	J0321-1748
ORDER DATE	03/19/21	QUOTE #	B0321-1748
DELIVERY DATE	//	CUSTOMER ACCT #	000127
DATE OF INVOICE	//	CUSTOMER PO #	
ORDERED BY		INVOICE #	
COUNTY	Harnett	TERMS	
SUPERINTENDANT		SALES REP	Neil Baggett
JOBSITE PHONE #		SALES AREA	Anthony Williams

CASH	Cash CASH OR CHECKS ONLY NO CREDIT CARDS, ( ) -	JOB NAME: Rice Cottage MODEL: Roof TAG: Rice Cottage DELIVERY INSTRUCTIONS:	LOT # 102 SUBDIV: Mabry Road JOB CATEGORY: Residential - Roof
	Mark Rice 102 Mabry Road Angier, NC	SPECIAL INSTRUCTIONS:	PLAN SEAL DATE:

BUILDING DEPARTMENT	OVERHANG INFO	HEEL HEIGHT	00-06-08	REQ. LAYOUTS	REQ. ENGINEERING	QUOTE	aw	03/18/21
Roof Order	END CUT RETURN					LAYOUT	aw	03/18/21
	PLUMB NO	GABLE STUDS	16 IN. OC	JOBSITE	1	CUTTING	aw	03/18/21

ROOF TRUSSES

LOADING INFORMATION

TCLL-TCDL-BCLL-BCDL	STRESS INCR.
20.0,10.0,0.0,10.0	1.15

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY PLY	PITCH		TYPE ID	BASE O/A	LUMBER		OVERHANG		REACTIONS				
		TOP	BOT			TOP	BOT	LEFT	RIGHT					
	1	10.00	0.00	GABLE A1-GE	25-11-00 25-11-00	2 X 6	2 X 6	00-11-00	00-11-00	Joint 2 1100.9 lbs. -56.2 lbs.	Joint 8 1100.9 lbs. -56.2 lbs.			
	3	10.00	0.00	COMMON A2	25-11-00 25-11-00	2 X 6	2 X 6	00-11-00	00-11-00	Joint 2 1230.7 lbs. -56.2 lbs.	Joint 8 1230.7 lbs. -56.2 lbs.			
	13	10.00	6.00	ROOF A3	25-11-00 25-11-00	2 X 6	2 X 6	00-11-00	00-11-00	Joint 2 1081.5 lbs. -56.0 lbs.	Joint 8 1081.5 lbs. -56.0 lbs.			
	1	10.00	6.00	GABLE A4-GE	25-11-00 25-11-00	2 X 6	2 X 6	00-11-00	00-11-00	Joint 2 304.1 lbs. -198.4 lbs.	Joint 17 251.0 lbs. -85.9 lbs.	Joint 19 152.7 lbs. -154.3 lbs.	Joint 20 190.9 lbs. -118.0 lbs.	Joint 21 181.3 lbs. -108.8 lbs.

