ADDRESS . : 789 MURCHISONTOWN RD SUBDIV:
CONTRACTOR : PHONE :
OWNER . . : MCLEAN JESSIE M PHONE : (919) 774-3844
PARCEL . . : 09-9558- - -0018- - -
APPL NUMBER: 17-50040633 CP NEW RESIDENTIAL (SFD)

DIRECTIONS : T/S: 01/26/2017 03:54 PM LBENNETT --
TAKE 27 W TO 87 TURN LEFT TO OLIVIA RD
- LEFT PONDEROSA RD - RIGHT ON
MURCHISONTOWN RD

STRUCTURE: 000 000 32X40 5BDR CRAWL
FLOOD ZONE . . . . : FLOOD ZONE X
BEDROOMS . . . . . : 5.00 PROPOSED USE . . . . . : SFD
SEPTIC - EXISTING? . . . . : NEW WATER SUPPLY . . . . . : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED / COMPLETED	INSP RESULT	DESCRIPTION / RESULTS/COMMENTS
B101 01	4/18/17	TSG	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002959609
	4/18/17	AP	T/S: 04/17/2017 08:27 AM LBENNETT ----------
			T/S: 04/18/2017 03:28 PM DJOHNSON ----------
B103 01	5/02/17	TSG	R*BLDG FOUND & TEMP SVC POLE VRU #: 002966320
	5/02/17	AP	
A814 01	5/31/17	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002978039
	6/01/17	AP	789 MURCHISONTOWN RD SANFORD 27334
			T/S: 06/01/2017 08:17 AM TWARD ----------
B105 01	5/31/17	TSG	R*OPEN FLOOR TIME: 17:00 VRU #: 002978054
	5/31/17	DA	T/S: 05/30/2017 09:48 AM JBROCK ----------
			T/S: 05/31/2017 03:29 PM DJOHNSON ----------
			TRIPLE 11/7/8 RIM BOARD REQUIRED AT THE AREA CIRCLED ON PLANS
B105 02	6/02/17	TSG	R*OPEN FLOOR TIME: 17:00 VRU #: 002979284
	6/02/17	AP	T/S: 06/01/2017 08:17 AM BPETRICH ----------
			PLEASE CALL ALEJANDRA AT 919.478.4289 SO SHE CAN MEET YOU ONSITE - THANKS!
			T/S: 06/02/2017 01:48 PM BPETRICH ----------
R425 01	8/24/17	TSG	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003016219
	8/24/17	DA	T/S: 08/22/2017 03:29 PM JBROCK ----------
			not ready
R425 02	9/05/17	TSG	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003020468
	9/05/17	DA	T/S: 08/31/2017 02:52 PM BPETRICH ----------
			1- NEED ENGINEERING REPAIR ON DRILLED TRUSS 2-NEED TRUSS DRAWINGS. 3- INSTALL POSITIVE FOUNDATION DRAIN. OK TO INSULATE
I129 01	9/11/17	TI	R*INSULATION INSPECTION VRU #: 003022874
			VOICE MESSAGE LEFT
R425 03	9/11/17	TI	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003023140
			T/S: 09/08/2017 02:22 PM LLUCAS ----------

---------- COMMENTS AND NOTES ----------

ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: J0317-1435
Aguirre Job

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: E10913197 thru E10913197

My license renewal date for the state of North Carolina is December 31, 2017.

North Carolina COA: C-0844

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

September 5,2017

Gilbert, Eric

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdictions(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 Trenco. Any project specific information included is for Trenco's customer's file reference purpose only, and was not taken into account in the preparation of these designs. 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 the design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	Aguirre Job
J0317-1435	A2X	COMMON	0	1	E10913197

Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309 — 8.130 s Aug 25 2017 MiTek Industries, Inc. Tue Sep 5 11:00:34 2017 Page 1

ID:7mhtLsMu6fKihOCMABImsRzYPPM-VG3z7ZeFgM4FkDoTykJMhKp6nGQ9MtqUH08lhMygiHR

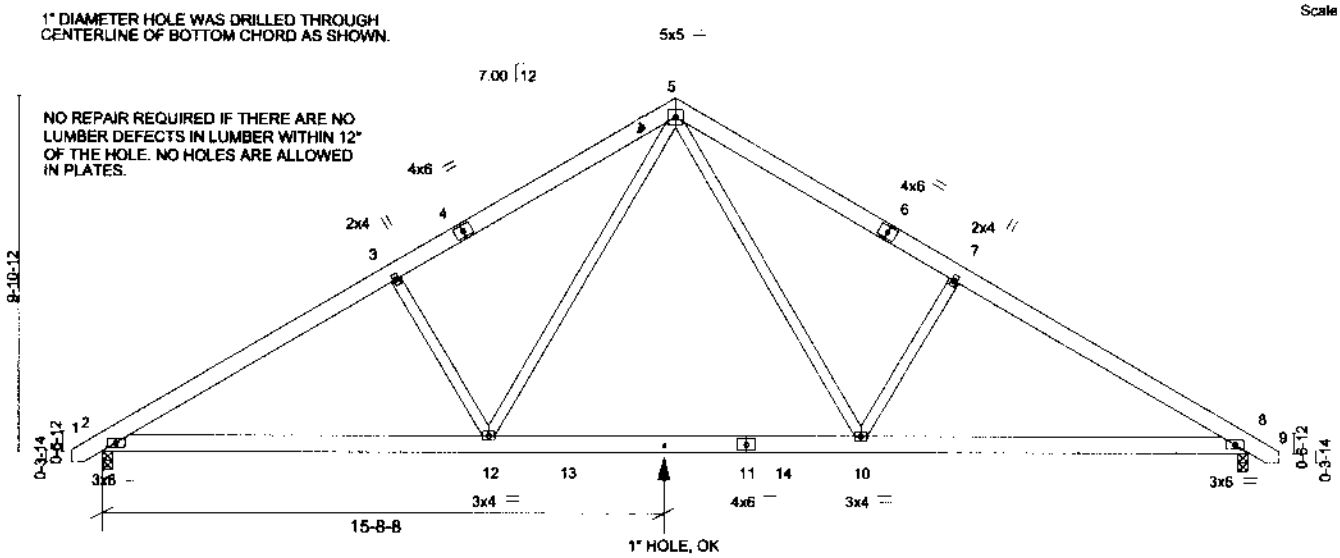
0-10-8 | 8-2-7 | 16-0-0 | 23-9-9 | 32-0-0 | 32-10-8

0-10-8 | 8-2-7 | 7-9-9 | 7-9-9 | 8-2-7 | 0-10-8

Scale = 1:62.6

1" DIAMETER HOLE WAS DRILLED THROUGH CENTERLINE OF BOTTOM CHORD AS SHOWN.

NO REPAIR REQUIRED IF THERE ARE NO LUMBER DEFECTS IN LUMBER WITHIN 12" OF THE HOLE. NO HOLES ARE ALLOWED IN PLATES.



10-9-10 | 21-2-6 | 32-0-0

10-9-10 | 10-4-13 | 10-9-10

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	-0.22	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(TL)	-0.33	10-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.07	8	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S		Wind(LL)	0.05	2-12	>999	240	Weight: 213 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

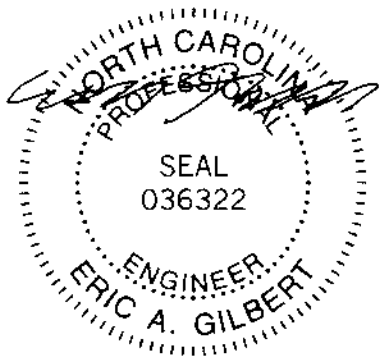
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1772/0-3-8, 8=1772/0-3-8
Max Horz 2=-316(LC 5)
Max Uplift 2=-202(LC 7), 8=-202(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2796/542, 3-5=-2480/596, 5-7=-2480/596, 7-8=-2796/542
BOT CHORD 2-12=-333/2276, 10-12=-63/1504, 8-10=-335/2276
WEBS 5-10=-204/1025, 7-10=-602/351, 5-12=-204/1025, 3-12=-602/351

NOTES-
1) Repair Condition: 0-1-0 dia. hole located 0-2-8 from the bottom edge to the center of hole in bottom chord 2-3-8 to the left of joint 11.
2) N/A
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Interior(1) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 202 lb uplift at joint 2 and 202 lb uplift at joint 8.



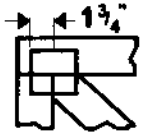
September 5,2017

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

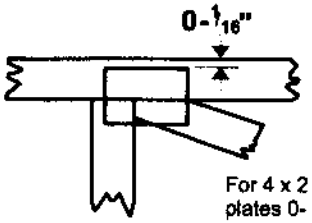
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

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- 1/16" from outside edge of truss.

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

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

PLATE SIZE

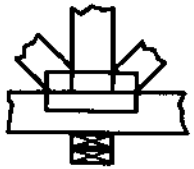
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

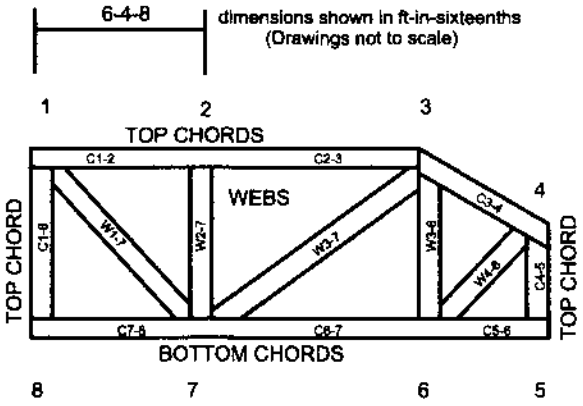


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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⚠ 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.