

ADDRESS : 3039 CANE MILL RD
 CONTRACTOR :
 OWNER : TYNDALL KAYLA R & DANNY G JR
 PARCEL : 07-1509- - -0068- -02-
 APPL NUMBER: 17-50041689 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : T/S: 06/22/2017 09:37 AM LLUCAS ----
 CANE MILL RD
 421 TOWARD DUNN -TURN LEFT ON RED
 HILL CHURCH RD - TAKE LEFT ON CANE MILL
 RD - ABOUT 3/4 LOT ON RIGHT
 PREMISE# 21778175

SUBDIV:
 PHONE :
 PHONE :

STRUCTURE: 000 000 60X70 4BDR 2.5BATH W/GARAGE CRAWL FNS BO

FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 4.00 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	8/02/17 8/02/17	DT AP	R*BLDG FOOTING / TEMP SVC POLE VRU #: 003006962 Call or text Mike with approximate time so can schedule concrete thanks Mike 919-820-0119 T/S: 08/02/2017 04:02 PM DETAYLOR -----
A814 01	8/02/17 8/02/17	SB AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 003006418 3039 CANE MILL RD COATS 27521 T/S: 08/02/2017 09:32 AM SBENNETT -----
B103 01	9/01/17 9/01/17	DT AP	R*BLDG FOUND & TEMP SVC POLE VRU #: 003020336 T/S: 09/01/2017 03:16 PM DETAYLOR -----
B105 01	9/06/17 9/06/17	DT AP	R*OPEN FLOOR VRU #: 003020989 T/S: 09/06/2017 03:07 PM DETAYLOR -----
E207 01	9/18/17 9/19/17	DT AP	R*ELEC TEMP SERVICE POLE TIME: 17:00 VRU #: 003026283 T/S: 09/15/2017 03:15 PM BPETRICH ----- DUKE JUST SET TRANSFORMER T/S: 09/19/2017 08:09 AM DETAYLOR -----
R425 01	10/11/17 10/11/17	DT DA	FOUR TRADE ROUGH IN VRU #: 003036522 Any ? call Mike 919-820-0119 Thanks T/S: 10/11/2017 12:17 PM DETAYLOR ----- Complete air barriers for stairway and upstairs closet Fire block top of dead space at 1/2 bath/laundry room wall Need engineer repair for trusses bored for electrical above master bath door Okay to side and insulate
I129 01	10/16/17 <u>10-16 KS</u>	TI <u>AP</u>	R*INSULATION INSPECTION VRU #: 003038882
R425 02	10/16/17 <u>10-16 KS</u>	TI <u>AP</u>	FOUR TRADE ROUGH IN VRU #: 003038874 re-inspection

COMMENTS AND NOTES

Trenco
818 Soundside Rd
Edenton, NC 27932

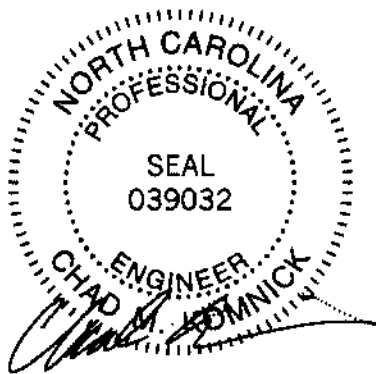
Re: 13163

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I31334708 thru I31334708

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

North Carolina COA: C-0844



October 12, 2017

Komnick, Chad

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

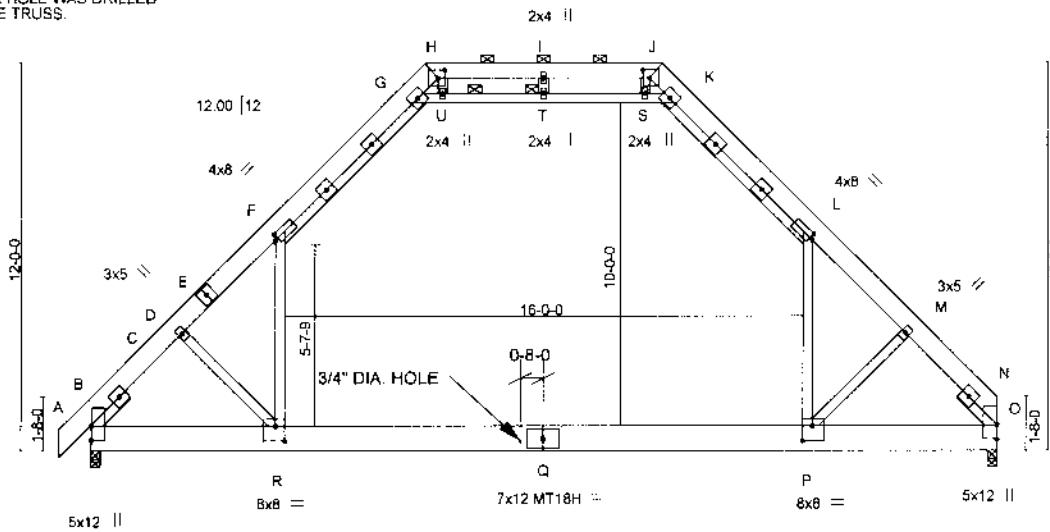
Job 13163	Truss A1A	Truss Type PIGGYBACK ATTIC	Qty 7	Ply 1	131334708
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84 Components, Dunn, NC 28334

8.130 s Sep 15 2017 MiTek Industries, Inc. Thu Oct 12 05:42:16 2017 Page 1
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REPAIR 3/4" DIAMETER HOLE WAS DRILLED THROUGH THE TRUSS.

Scale = 1.68.3



NO REPAIR REQUIRED.

LUMBER MUST BE DRILLED CLEANLY AND ACCURATELY AND THE REMAINING WOOD MUST BE UNDamAGED. NO LUMBER DEFECTS ARE TO BE LOCATED WITHIN 12" OF HOLE.

Plate Offsets (X, Y)	[F, 0-1-4, 0-2-0], [H, 0-2-8, 0-3-0], [J, 0-2-8, 0-3-0], [L, 0-1-4, 0-2-0], [P, 0-3-8, 0-5-8], [R, 0-3-8, 0-5-8]
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LOADING (psf)	SPACING	CSI	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.71	Vert(LL) -0.37	P-R	>909	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.58	Vert(TL) -0.76	P-R	>441	180	MT18H	244/190
BCLL 0.0	Rep Stress Incr YES	WB 1.00	Horz(TL) 0.03	B	n/a	n/a		
BCDL 10.0	Code IRC2012/TP12007	Matrix-MS	Attic -0.25	P-R	769	360		
							Weight: 292 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 SP SS *Except*
 H-J: 2x6 SP No.2, A-E: 2x8 SP No.2
 BOT CHORD 2x10 SP SS
 WEBS 2x4 SP No.2 *Except*
 D-R, M-P, J-S, I-T, H-U: 2x4 SP No.3
 SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0
 REACTIONS. (lb/size) B=1477/0-3-8, O=1415/0-3-8
 Max Horz B=412(LC 9)
 Max Uplift B=-84(LC 10), O=-46(LC 11)
 Max Grav B=1694(LC 2), O=1642(LC 2)

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

TOP CHORD B-D=-2113/200, D-F=-2040/233, F-G=-1166/424, G-H=-20/801, J-K=-19/804,
 K-L=-1165/423, L-M=-2051/236, M-O=-2124/202, H-I=0/1281, I-J=0/1281
 BOT CHORD B-R=-176/1512, P-R=-23/1205, O-P=-81/1329
 WEBS F-R=0/1262, L-P=0/1279, G-U=-2496/399, T-U=-2350/368, S-T=-2350/368, K-S=-2494/399.
 D-R=-471/361, M-P=-486/373, J-S=-96/357, H-U=-96/360

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10, Vult=130mph (3-second gust) V(IRC2012)=103mph; TCCL=6.0psf, BCCL=6.0psf; h=40ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- All plates are MT20 plates unless otherwise indicated.
- All plates are 6x6 MT20 unless otherwise indicated.
- 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 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.
- Ceiling dead load (5.0 psf) on member(s) F-G, K-L, G-U, T-U, S-T, K-S; Wall dead load (10.0psf) on member(s) F-R, L-P
- Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. P-R
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint B and 46 lb uplift at joint O.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

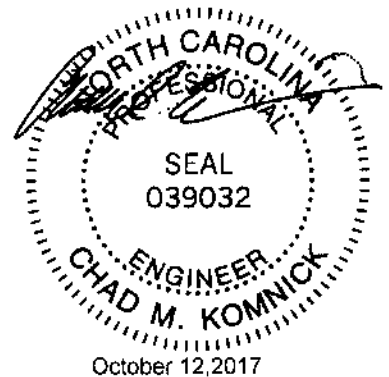
Top and bottom chords are to be attached to purlins.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-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 fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITP1 Quality Criteria, DSB-39 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-7 oc purlins, except 2-0-0 oc purlins (10-0-0 max.); H-J.
 BOT CHORD Rigid ceiling directly applied or 8-11-2 oc bracing.
 WEBS 1 Row at midpt G-T
 JOINTS 1 Brace at Jt(s): T

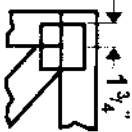
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.



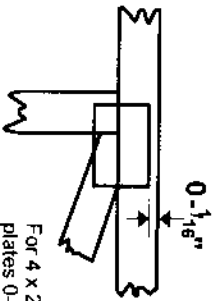
818 Soundside Road
 Edenton, NC 27932

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless X, Y offsets are indicated. Dimensions are in fractions-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " 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

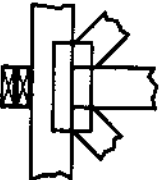
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

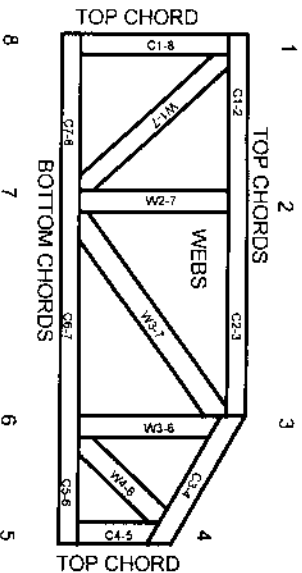
Industry Standards:

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

6-4-8

dimensions shown in fractions-sixteenths (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED 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
ESR-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 L 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

