

ADDRESS : 576 TIRZAH DR SUBDIV:
 CONTRACTOR : SCHUMACHER HOMES OF NC, INC PHONE : (330) 478-4505
 OWNER : GALLOWAY THOMAS & RYE A PHONE :
 PARCEL : 10-0640- - -0109- -76-
 APPL NUMBER: 17-50040672 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : T/S: 02/01/2017 04:15 PM LBENNETT --
 US 421 N - 1.76 MI LEFT ONTO TIRZAH DR
 - END .57MI ON RIGHT
 APPL NOTES : BPMN 9/26/17 T/S: 09/26/2017 11:41 AM BPETRICH --
 ***** PREMISE 17246361 *****
 LAND NOTES : LXMN 11/17/04 SPLIT FROM THE MAIN PARCEL

STRUCTURE: 000 000 85X76 3BDR W/GARAGE W/DECK CRAWL

FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 3.00 PROPOSED USE : SFD
 SEPTIC - EXISTING? : NEW WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	9/11/17 9/11/17	SB AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 003023041 576 TIRZAH DR LILLINGTON 27546 T/S: 09/11/2017 04:36 PM SBENNETT -----
B101 01	9/11/17 9/11/17	TSG AP	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 003023058 T/S: 09/08/2017 01:06 PM DJOHNSON ----- TSP INSPECTED ALSO PLEASE
B103 01	9/27/17 9/27/17	TSG DP	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 003030509 T/S: 09/26/2017 10:57 AM BPETRICH ----- TEMP POLE ALSO job not ready
B103 02	9/29/17 9/29/17	TSG DP	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 003031788 T/S: 09/28/2017 01:26 PM JBROCK ----- PLEASE CHECK T-POLE ALSO T/S: 09/28/2017 01:59 PM JBROCK ----- FOUNDATION ALREADY BACK FILLED. REMOVE SOIL FOR INSPECTION OR HAVE ENG VERIFY PROJECTION.
B103 03	10/03/17 10/03/17	TSG AE	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 003032562 T/S: 09/29/2017 03:26 PM BPETRICH ----- STAMPED ENG LETTER REQUIRED, FIELD LETTERS ARE NOT SUFFICIENT.
B105 01	10/03/17 10/03/17	TSG AP	R*OPEN FLOOR TIME: 17:00 VRU #: 003032570 T/S: 09/29/2017 03:29 PM BPETRICH ----- T/S: 10/03/2017 03:13 PM SGUY -----
R425 01	11/02/17 11/02/17	TSG DA	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003048360 T/S: 11/01/2017 02:20 PM BPETRICH ----- 1 STRAP GARAGE DOOR LVL 2-BROKEN TRUSS OVERHEAD IN GARAGE 3 SEVERAL EXTERIOR DOORS NOT INSTALLED 4 GAS LINE NOT TERMINATED IN FIRE BOX. 5 FLASHING REQUIRED AT FRONT PORCH FOR CONCRETE POUR AREA. 6 FIRE CAULK TWO AREA IN TOP AT PANEL BOX 7 COULD NOT LOCATE TRUSS LAYOUT PAGE.8-BRICK FLASHING NOT INSTALLED.
I129 01	11/08/17	TI	R*INSULATION INSPECTION TIME: 17:00 VRU #: 003050879 T/S: 11/07/2017 01:38 PM JBROCK -----
R425 02	11/08/17	TI	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003050887 T/S: 11/07/2017 01:38 PM JBROCK -----

AD
AE

Trenco

818 Soundside Rd
Edenton, NC 27932

Re: Galloway
576 Tirzah Dr Lillington NC

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-Kings Mountain, NC.

Pages or sheets covered by this seal: I31561257 thru I31561257

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

North Carolina COA: C-0844



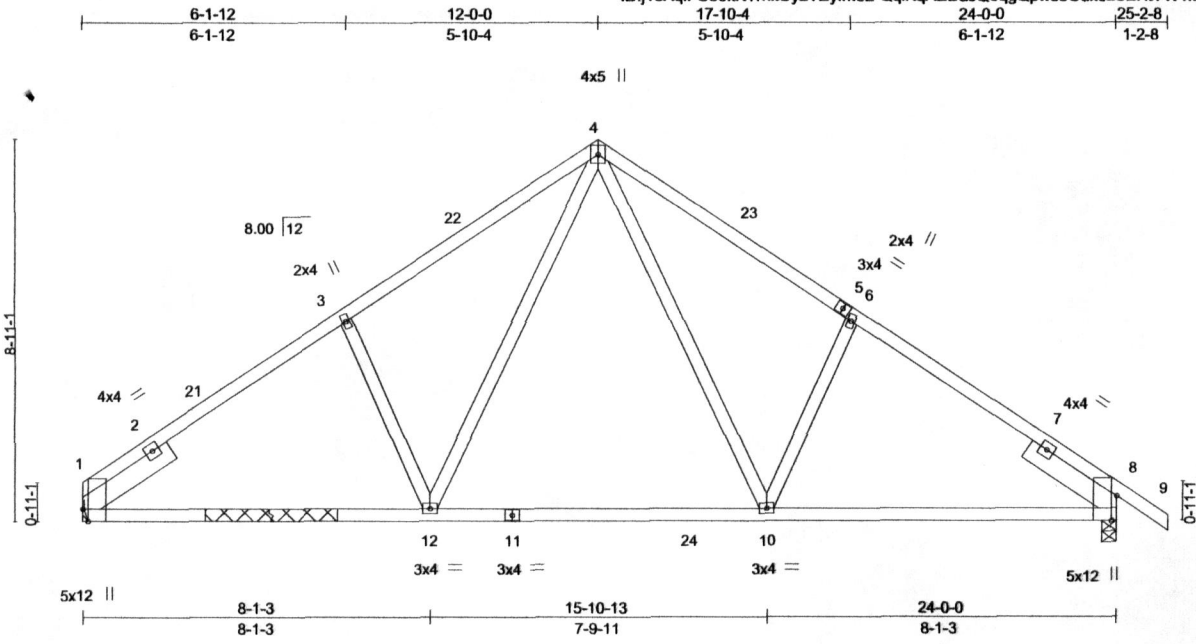
November 6, 2017

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 GALLOWAY	Truss T21ADRE	Truss Type Common	Qty 2	Ply 1	576 Tirzah Dr Lillington NC	I31561257
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84 Lumber, Macedonia, Ohio 44056
 8.130 s Sep 15 2017 MiTek Industries, Inc. Mon Nov 6 04:49:14 2017 Page 1
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Scale = 1:52.1

Plate Offsets (X,Y)- [1:0-3-8,Edge], [8:0-6-13,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.50	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 15.4/20.0	Plate Grip DOL 1.15	BC 0.66	Vert(LL) -0.20 10-12 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.20	Vert(TL) -0.34 10-12 >842 180		
BCDL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.05 8 n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 144 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 SLIDER Left 2x6 SP No.2 2-6-0, Right 2x6 SP No.2 2-6-0

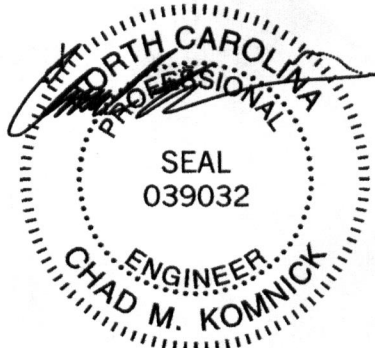
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-6-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=848/Mechanical, 8=913/0-4-0
 Max Horz 1=-134(LC 12)
 Max Uplift 8=-10(LC 14)
 Max Grav 1=958(LC 2), 8=1034(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-3=-1222/65, 3-4=-1126/127, 4-6=-1121/120, 6-8=-1217/59
 BOT CHORD 1-12=0/1024, 10-12=0/708, 8-10=0/954
 WEBS 4-10=-23/504, 6-10=-287/124, 4-12=-24/511, 3-12=-292/124

- NOTES-**
- 1) Repair Condition: bottom chord has 0-1-0 long break centered at 4-4-14 to the right of joint 1.
 - 2) Apply 48" long 2x4 SPF No.2 scab to both side(s) of truss centered on damage located 4-4-14 to the right of joint 1 with 2 row(s) of 10d (0.131"x3") nails spaced 4" o.c. from each face. Minimum 0-3-0 end distance.
 - 3) N/A
 - 4) Unbalanced roof live loads have been considered for this design.
 - 5) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 12-0-0, Exterior(2) 12-0-0 to 15-0-0 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
 - 6) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=15.4 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
 - 7) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * 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.
 - 10) Refer to girder(s) for truss to truss connections.
 - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 8.



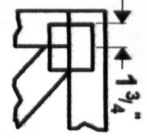
November 6, 2017

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.

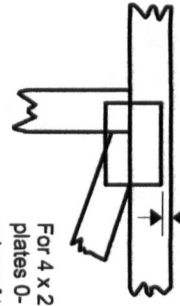
ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

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- $\frac{1}{8}$ " 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

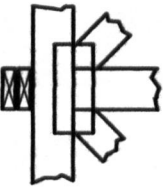
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

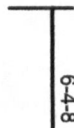


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

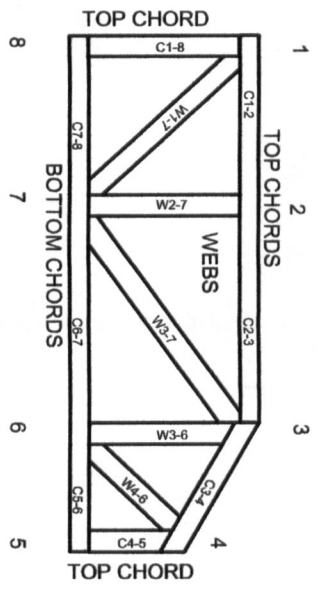
Industry Standards:

- ANSI/TP1: 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



dimensions shown in ft-in-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
- 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/TP1 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

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- 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.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TP1 Quality Criteria.

