

ADDRESS : 76 PINTAIL DR
CONTRACTOR : GERVAIS BUILDING CO
OWNER : GERVAIS BUILDING COMPANY #31
PARCEL : 13-0630- - -0096- -33-
APPL NUMBER: 07-50017270 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : SHAYLAHS KNOLL #31
421 TO LOUD 421 3MILES TO S/D ON LEFT
1ST ST ON LEFT END OF CULDESAC. JDAVIS

SUBDIV: SHAYLAHS KNOLL 36 LOTS
PHONE : (919) 550-9333
PHONE : (919) 550-4798

STRUCTURE: 000 000 44X54 3BR
FLOOD ZONE : FLOOD ZONE X

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	5/10/07 <i>S.K.7</i>	<i>AP</i>	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001406743

COMMENTS AND NOTES

F

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B101 01	5/10/07	FS	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001406743
B103 01	5/10/07 <u>5-17-07</u>	AP <u>AP</u>	R*BLDG FOUND & TEMP SVC POLE VRU #: 001411347

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

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	5/10/07	AP	
B103 01	5/17/07	FS	R*BLDG FOUND & TEMP SVC POLE VRU #: 001411347
	5/17/07	AP	
B105 01	5/22/07	TZ	R*OPEN FLOOR VRU #: 001413571

COMMENTS AND NOTES

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	5/10/07	AP	
B103 01	5/17/07	FS	R*BLDG FOUND & TEMP SVC POLE VRU #: 001411347
	5/17/07	AP	
B105 01	5/22/07	FS	R*OPEN FLOOR VRU #: 001413571
	5/22/07	AP	
A814 01	5/25/07	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001413189
	5/22/07	AP	76 Pintail Dr Lot 31
R425 01	6/21/07	TI	FOUR TRADE ROUGH IN VRU #: 001433143

6-21-07 DA

COMMENTS AND NOTES

*TRUSS
ENGINEER*

FS

*110 ASI
DRAW TEST*

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R425 01	6/21/07	FS	FOUR TRADE ROUGH IN VRU #: 001433143
	6/21/07	DA	engineers letter on truss
I129 01	6/26/07	TI	R*INSULATION INSPECTION VRU #: 001435551
R425 02	6/26/07	TI	FOUR TRADE ROUGH IN VRU #: 001435544

Handwritten signatures and initials:
C. G. G. (under 6/26/07)
DA (circled)
IVR (circled)

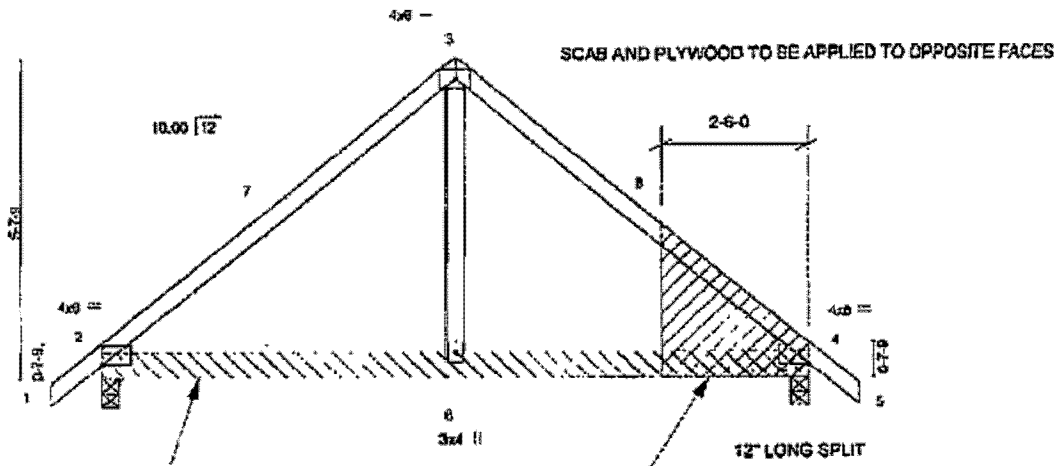
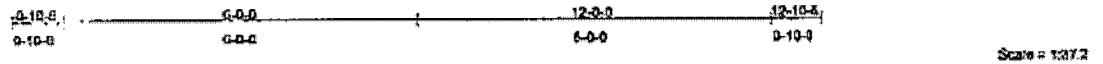
COMMENTS AND NOTES

Large handwritten mark:
FS

Job	Truss	Truss Type	Qty	Ply	Lot 31 Sheathing Nail Header	64183202
J71913	C1	ROOF TRUSS	1	1	Job Reference (optional)	

Contact: Inc, PO Box 45628, 010-854-8787

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APPLY 2X6 X 12' x 0" SPF NO.2 SCAB TO ONE SIDE OF TRUSS FULL LENGTH WITH 2 ROWS OF 10d (3" X 0.131") NAILS SPACED 8.0' O.C.

ATTACH 3/4" PLYWOOD OR OSB GUSSET (23/32" APA RATED SHEATHING 48/24 EXP 1) TO ONE SIDE OF TRUSS WITH TWO ROWS OF 10d (3" X .131") NAILS SPACED 3.0' O.C. IN ALL MEMBERS.

Plate Offsets (X,Y): [2-Edge,0-0-0], [3-0-0-0,Edge]							
LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (in)	Wdef	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.15	TC 0.21	Vert(LL) 0.02	2-6	>999	MT20	244/150
TCDL 10.0	Lumber Increase 1.15	PC 0.13	Vert(TL) -0.03	4-6	>999		
BCLL 0.0	Rep Stress Incr YES	WB 0.07	Horz(TL) 0.00	4	n/a		
BCDL 10.0	Code IRC2003/TFI2002	(Matrix)					Weight: 62 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.1	TOP CHORD Structural wood sheathing directly applied or 8-0-0 oc purlins.
BOT CHORD 2 X 6 SYP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2-5300-3-8, 4-5300-3-8
 Max Horz 2=184(load case 3)
 Max Uplift 2=187(load case 5), 4=187(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/28, 2-7=-534/148, 3-7=-412/170, 3-8=-412/170, 4-8=-534/147, 4-5=0/28
 BOT CHORD 2-6=-18/316, 4-6=-18/316
 WEBS 3-6=0/184

- NOTES (7)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-02: 100mph; h=16ft; TCFL=8.0psf; BCFL=6.0psf; Category II; Exp C; enclosed; MWFRS gable end zone and C-C interior (1) zone; cant/over left and right exposed; and vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - 3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 8-0-0 between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 2 and 187 lb uplift at joint 4.
 - 6) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R602.10.2 and referenced standard ANSI/TPI 1.
 - 7) HARNETT COUNTY, NORTH CAROLINA

LOAD CASE(S) Standard



June 22, 2007

WARNING - Verify design parameters and READ NOTES ON THIS AND ENCLOSED LITERATURE BEFORE EACH INSTALLATION.
 Design valid for use only with Mitek connectors. This design is based only upon provisions shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer, not truss designer. Bracing shown is for lateral support of individual web members only. A detailed temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI Quality Criteria, D11-87 and BCSI Building Component Safety Information available from Inrap Plate Institute, 268 U'Ono Drive, Madison, WI 53719.

TRENCO
 A HARNETT COUNTY COMPANY
 818 Soundside Road
 Eden, NC 27622



Trenco

818 Soundalde Rd
Edenton, NC 27932

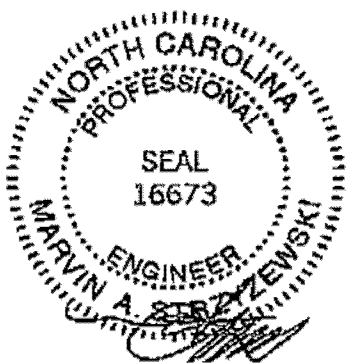
Re: J71913

Lot 31 Shaylah's Knoll / 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: E4183602 thru E4183602

My license renewal date for the state of North Carolina is December 31, 2007.



June 22, 2007

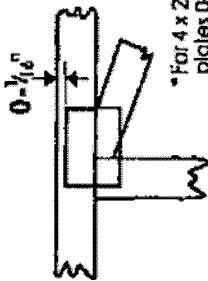
Strzyzewski, Marvin

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-2002 Chapter 2.
Engineering services provided by Truss Engineering Company.

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 0-1/4" 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

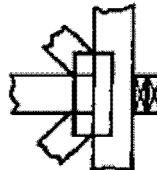
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use 1, I or Eliminator bracing if indicated.

BEARING



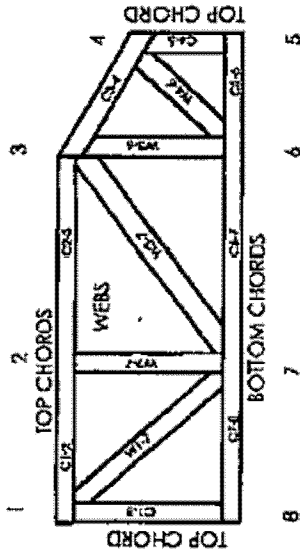
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

- ANSI/TPI 1: National Design Specification for Metal Plate Connected Wood Truss Construction.
- DSB-89: Design Standard for Bracing.
- BCSII: 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 ft-in-sixteenths (Drawings not to scale)



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

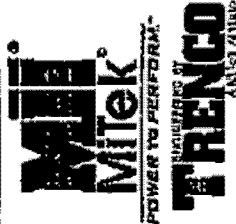
CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

- ESR-1311, ESR-1352, ER-5243, 96048
- 9730, 95-43, 96-31, 9667A
- NER-487, NER-561
- 95110, 84-32, 96-67, ER-3707, 9432A

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Mitek Engineering Reference Sheet: MI-7473

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 BCSII.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual braced trusses themselves may require bracing, or alternative T, I or Eliminator 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. Holes and warps at joint locations are regulated by ANSI/TPI 1.
- Design assumed trusses will be suitably protected from fire environment in accord with ANSI/TPI 1.
- 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 resistant, pressure treated, or green lumber.
- Comber is a non-structural consideration and is the responsibility of the fabricator. General practice is to comber 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 at least, equal to or better than that specified.
- Top chords must be sheathed or pulins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no teeing is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss members 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/TPI 1 Quality Criteria.

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PERMIT: CPSF 00 CP * SFD

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	5/10/07	AP	
B103 01	5/17/07	FS	R*BLDG FOUND & TEMP SVC POLE VRU #: 001411347
	5/17/07	AP	
B105 01	5/22/07	FS	R*OPEN FLOOR VRU #: 001413571
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A814 01	5/25/07	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001413189
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R425 01	6/21/07	FS	FOUR TRADE ROUGH IN VRU #: 001433143
	6/21/07	DA	engineers letter on truss
I129 01	6/26/07	FS	R*INSULATION INSPECTION VRU #: 001435551
	6/26/07	AP	
R425 02	6/26/07	FS	FOUR TRADE ROUGH IN VRU #: 001435544
	6/26/07	AP	
H824 01	7/24/07	JW	ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001453125
	7/24/07	AP	
P307 01	8/06/07	TL	R*PLUMB WATER CONNECTION VRU #: 001460153
			I'm trying to schedule a water connection inspection so we can backfill the service line. Larry Gervais 919-320-4929

AP
JS

COMMENTS AND NOTES

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H824 01	7/24/07	JW	✓ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001453125
	7/24/07	AP	
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	8/06/07	AP	I'm trying to schedule a water connection inspection so we can backfill the service line. Larry Gervais 919-320-4929
R429 01	9/26/07	TI	FOUR TRADE FINAL VRU #: 001493139
	<i>9/26/07</i>	<i>AP</i>	Lock box combo is LGG

COMMENTS AND NOTES

FS

[Signature]

[Signature]

**COUNTY OF HARNETT
DEPARTMENT OF BUILDING INSPECTION
AND PLANNING/DEVELOPMENT
CERTIFICATE OF OCCUPANCY**

This certificate issued pursuant to the requirements of Section 105 of the North Carolina State Building Code and the Harnett County Zoning Ordinance certifies at the time of issuance this structure was in compliance with the various ordinances of the County of Harnett regulating development and building construction or use. For the following:

Use Classification: 1 Conditional Use Permit No.: N/A
Type of Construction: HOME Building Permit No.: 7-5-17270
Owner of Building: GENA F. BULLOCK Electrical Permit No.: 7-5-17270
Building Address: 76 DUTMAN DR Insulation Permit No.: 7-5-17270
Zoning District: _____ Plumbing Permit No.: 7-5-17270
Zoning Permit No.: 7-5-17270 Mech. Permit No.: 7-5-17270
Date: 7-26-19 Envir. C.O. No.: 7-5-17270

[Signature]
Building Official

[Signature]
Zoning Official