

ADDRESS : 110 NEW RIVER CT
CONTRACTOR : RAYNOR BUILDERS INC
OWNER : IOM LAND COMPANY LLC #22
PARCEL : 04-0673- - -0134- -25-
APPL NUMBER: 07-50016658 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : 210 E LEFT ON JAME NORRIS S/D ON RIGHT
LOT #22 JB

SUBDIV: AUTUMN POINTE 29 LOTS
PHONE : (919) 639-3012
PHONE :

77257462

STRUCTURE: 000 000 40X60 BDR
FLOOD ZONE : FLOOD ZONE X

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	1/10/08 <u>1-10</u>	TT <u>AP</u>	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001545243

COMMENTS AND NOTES

n

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B101 01	1/10/08	KS	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001545243
	1/10/08	AP	
A814 01	1/31/08	TI	ADDRESS CONFIRMATION VRU #: 001555432
B103 01	1/31/08 <u>1-31-08</u>	TI <u>AERJ</u>	R*BLDG FOUND & TEMP SVC POLE VRU #: 001555440

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

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B103 01	1/31/08 1/31/08	BS AE	R*BLDG FOUND & TEMP SVC POLE VRU #: 001555440 apply damproof and leave exterior open for inspection at open floor
B105 01	2/08/08 <u>2-8</u>	TI <u>DA</u>	R*OPEN FLOOR VRU #: 001560143

COMMENTS AND NOTES

814 6388

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A814 01	1/31/08 2/12/08	TI AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001555432 1110 NEW RIVER CT
B105 01	2/08/08 2/08/08	KS DA	R*OPEN FLOOR VRU #: 001560143 Double joist missing on right side of floor system. See where I highlighted on plan,
R425 01	3/17/08 <u>3-17</u>	TI <u>DA</u>	FOUR TRADE ROUGH IN VRU #: 001577808

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

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	2/08/08	DA	Double joist missing on right side of floor system. See where I highlighted on plan,
R425 01	3/17/08	KS	FOUR TRADE ROUGH IN VRU #: 001577808
	3/17/08	DA	1. Permits purchased after 1 January must have R-8 insulation on flex duct in attic. 2. B1 truss bottom chords drilled for wiring for ceiling light. Need engineers letter on repair. 3. M trusses missing hurricane ties at joint 8. 4. Support valley at ridge to wall below. 5. No porta-jon on site. Need for insulation inspection.
I129 01	3/26/08	TI	R*INSULATION INSPECTION VRU #: 001582485
	<u>3/26/08</u>	<u>APB</u>	
R425 02	3/26/08	TI	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 001583152
	<u>3/26/08</u>	<u>IVR</u>	

 COMMENTS AND NOTES

Trenco

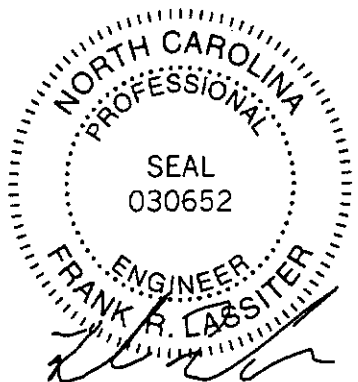
818 Soundside Rd
Edenton, NC 27932

Re: J80014
RAYNOR/LOT 22 AUTUMN POINT

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: E4736621 thru E4736621

My license renewal date for the state of North Carolina is December 31, 2008.



March 20, 2008

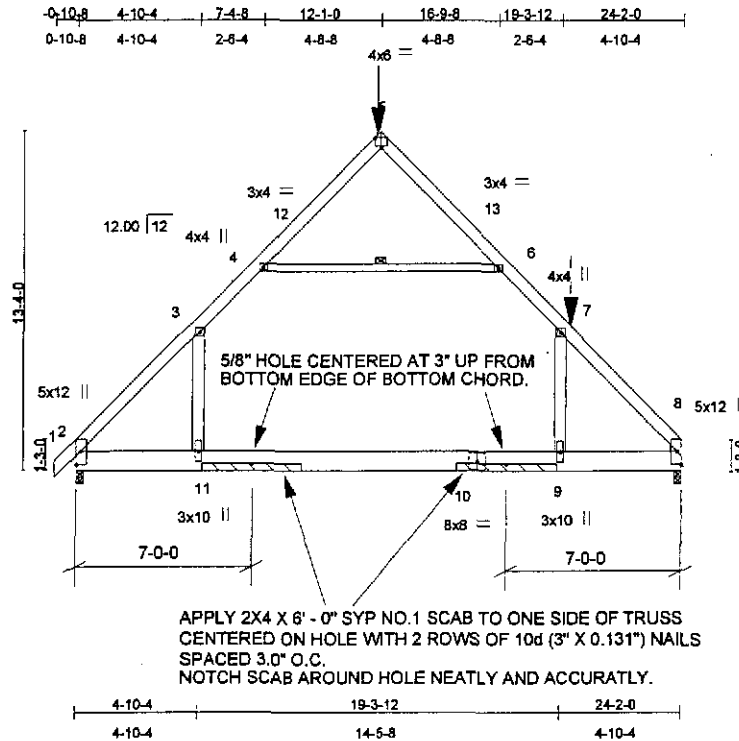
Lassiter, Frank

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.

Job J80014	Truss B1A	Truss Type ROOF TRUSS	Qty 4	Ply 1	RAYNOR/LOT 22 AUTUMN POINT Job Reference (optional)	E4738821
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Comtech Inc., Fayetteville, NC 28309

7.030 s Jan 3 2008 MITek Industries, Inc. Thu Mar 20 11:41:58 2008 Page 1



APPLY 2X4 X 6' - 0" SYP NO.1 SCAB TO ONE SIDE OF TRUSS CENTERED ON HOLE WITH 2 ROWS OF 10d (3" X 0.131") NAILS SPACED 3.0" O.C. NOTCH SCAB AROUND HOLE NEATLY AND ACCURATELY.

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

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.15	TC 0.88	Vert(LL)	-0.35	9-11	>810	MT20	244/190
TCDL 10.0	Lumber Increase 1.15	BC 0.79	Vert(TL)	-0.56	9-11	>514		
BCLL 0.0	Rep Stress Incr NO	WB 0.56	Horz(TL)	0.02	8	n/a		
BCDL 10.0	Code IRC2003/TPI2002	(Matrix)						Weight: 218 lb

LUMBER

TOP CHORD 2 X 6 SYP No.1
 BOT CHORD 2 X 10 SYP No.1
 WEBS 2 X 6 SYP No.2 *Except*
 4-6 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-11-6 oc purins.
 BOT CHORD Rigid ceiling directly applied or 8-9-4 oc bracing.
 WEBS 1 Row at midpt 4-6

WEDGE

Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

REACTIONS

(lb/size) 2=2150/0-3-8, 8=2389/0-3-8
 Max Horz 2=447(LC 4)
 Max Uplift 2=371(LC 5), 8=367(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/19, 2-3=2990/435, 3-4=1979/445, 4-12=1029/200, 5-12=956/239, 5-13=937/236, 6-13=1011/197,
 6-7=1961/440, 7-8=3021/437
 BOT CHORD 2-11=163/1752, 10-11=163/1752, 9-10=163/1752, 8-9=163/1752
 WEBS 4-6=1211/352, 3-11=149/1238, 7-9=120/802

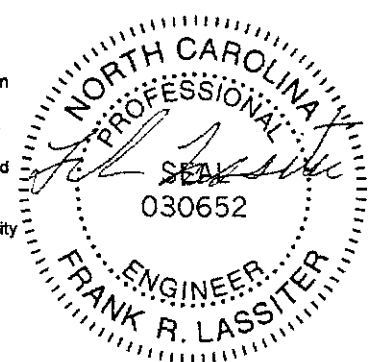
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 100mph; h=15ft; TCCL=6.0psf; BCCL=5.0psf; Category II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Interior(?) zone; 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.
- * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 371 lb uplift at joint 2 and 367 lb uplift at joint 8.
- This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1200 lb down and 207 lb up at 12-1-0, and 500 lb down and 86 lb up at 19-3-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2



March 20, 2008

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. 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. Additional 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/TPI1 Quality Criteria, D38-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 563 D'Onofrio Drive, Madison, WI 53719.



818 Soundside Road
 Edenton, NC 27932

Jcb	Truss	Truss Type	Qty	Ply	RAYNOR/LOT 22 AUTUMN POINT	E4736621
J80014	B1A	ROOF TRUSS	4	1	Job Reference (optional)	

Comtech Inc., Fayetteville, NC 28309

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 2-11=-20, 9-11=-80, 8-9=-20, 1-5=-60, 5-8=-60

Concentrated Loads (lb)

Vert: 5=-1200(F) 7=-500(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

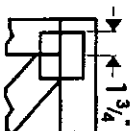
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional 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/TPI1 Quality Criteria, D58-B9 and ICS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY
TRENCO
 A MiTek Affiliate

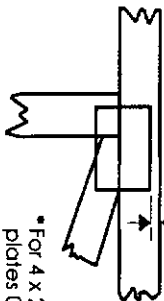
818 Soundside Road
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Symbols

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

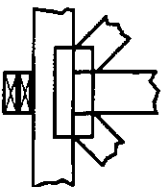
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

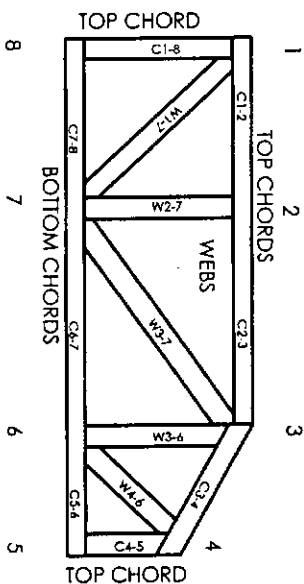
Industry Standards:

ANSI/PP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: 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/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, ER-5243, 9604B
9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

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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 BCS11.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator 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 lightly against each other.
6. Place plates on each face of truss of each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/PP1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/PP1.
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 pulins 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/PP1 Quality Criteria.



MITek Engineering Reference Sheet: Mill-7473

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B105 01	2/08/08 2/08/08	KS DA	R*OPEN FLOOR VRU #: 001560143 Double joist missing on right side of floor system. See where I highlighted on plan,
R425 01	3/17/08 3/17/08	KS DA	FOUR TRADE ROUGH IN VRU #: 001577808 1. Permits purchased after 1 January must have R-8 insulation on flex duct in attic. 2. B1 truss bottom chords drilled for wiring for ceiling light. Need engineers letter on repair. 3. M trusses missing hurricane ties at joint 8. 4. Support valley at ridge to wall below. 5. No porta-jon on site. Need for insulation inspection.
I129 01	3/26/08 3/26/08	BS AP	R*INSULATION INSPECTION VRU #: 001582485
R425 02	3/26/08 3/26/08	BS AP	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 001583152
H824 01	5/07/08 5/07/08	JM AP	ENVIR. OPERATIONS PERMIT TIME: 08:00 VRU #: 001606391
R429 01	6/09/08	TI	FOUR TRADE FINAL VRU #: 001620764 Back door unlocked.

6-9 ~~ROP~~

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	3/26/08	AP	
H824 01	5/07/08	JM	✓ ENVIR. OPERATIONS PERMIT TIME: 08:00 VRU #: 001606391
	5/07/08	AP	
R429 01	6/09/08	KS	FOUR TRADE FINAL VRU #: 001620764
	6/09/08	DP	Back door unlocked. Attic and floor not insulated. \$50.00 re-inspection fee
R429 02	6/13/08	TI	FOUR TRADE FINAL VRU #: 001624824

6-13 AP

COMMENTS AND NOTES

**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: Residential

Owner: Rampson Builders

911 Address: 110 New River Ct.

State: _____ Zip Code: _____

Date: 6-13-08
Ken Slatts

Building Official

PERMIT NUMBERS

Building Permit No.: _____

Electrical Permit No.: _____

Insulation Permit No.: _____

Plumbing Permit No.: _____

Mech. Permit No.: 67

MFG. Home: _____