

ADDRESS . . : 120 TACTICAL DR
CONTRACTOR : RBC HOMES INC
OWNER . . . : 210 HIGHWAY DEVELOPMENT LLC
PARCEL . . . : 01-0547- - -0024- -48-
APPL NUMBER: 08-50019161 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : GWEN OAKS #48
210 SOUTH APPROX 4 MILES, SUB DIV ON
LEFT AFTER SCHOOL.
T/S: 01/09/2008 04:52 PM VBROWN ----

SUBDIV: GWEN OAKS 63 LOTS
PHONE : (910) 423-3555
PHONE :

STRUCTURE: 000 000 45X47 3BDR 2BATH SFD
FLOOD ZONE : FLOOD ZONE X

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED	INSP	DESCRIPTION
	COMPLETED	RESULT	RESULTS/COMMENTS
B101 01	2/28/08	TI	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001569430
		<i>AP JV</i>	<i>T-pole passed Progress Energy</i>
		<i>61967461</i>	COMMENTS AND NOTES

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B101 01	2/28/08	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001569430
	2/28/08	AP	T-pole passed Progress energy
A814 01	3/11/08	TI	ADDRESS CONFIRMATION VRU #: 001574862
B103 01	3/12/08	TI <i>AP Jlf</i>	R*BLDG FOUND & TEMP SVC POLE VRU #: 001574821

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

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

PERMIT: CPSF 00 CP * SFD

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B101 01	2/28/08	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001569430
	2/28/08	AP	T-pole passed Progress energy
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	3/13/08	AP	120 TACTICAL DR LOT 48
B103 01	3/12/08	JH	R*BLDG FOUND & TEMP SVC POLE VRU #: 001574821
	3/12/08	AP	
P309 01	3/25/08	TI	R*PLUMB UNDER SLAB VRU #: 001581651
		<i>DA JH</i>	<i>10' head of water seal sewer line & sleeve @ foundation wall</i>

COMMENTS AND NOTES

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	3/12/08	AP	
P309 01	3/25/08	JH	R*PLUMB UNDER SLAB VRU #: 001581651
	3/25/08	DA	1)Need 10' head of water on drain line . 2)Seal sewer line & sleeve @ foundation wall.
P309 02	3/27/08	TI	R*PLUMB UNDER SLAB VRU #: 001583244
	3/27/08	CA	
P309 03	3/28/08	TI	R*PLUMB UNDER SLAB VRU #: 001584010

AP JW

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	3/27/08	CA	
P309 03	3/28/08	JH	R*PLUMB UNDER SLAB VRU #: 001584010
	3/28/08	AP	
B111 01	4/01/08	TI	R*BLDG SLAB INSP VRU #: 001585587
	4/01/08	CA	
B111 02	4/09/08	TI	R*BLDG SLAB INSP VRU #: 001589514

4-8-08 AP JH

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	4/01/08	CA	
B111 02	4/09/08	JH	R*BLDG SLAB INSP VRU #: 001589514
	4/09/08	AP	done inspection 4/08/08
R425 01	5/05/08	TI	FOUR TRADE ROUGH IN VRU #: 001603190

5/5/08 ADT

COMMENTS AND NOTES

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B111 01	4/01/08	TI	R*BLDG SLAB INSP VRU #: 001585587
	4/01/08	CA	
B111 02	4/09/08	JH	R*BLDG SLAB INSP VRU #: 001589514
	4/09/08	AP	done inspection 4/08/08
R425 01	5/05/08	DT	FOUR TRADE ROUGH IN VRU #: 001603190
	5/05/08	DA	1. Missing fire caulk for wiring at multiple locations throughout house. 2. D1, D2 and D2A trusses missing web bracing. 3. No pressure on gas line. 4. Need engineered repair letter for A1A trusses bored for electrical. (Visible from top of stairs in bonus room) 5. All plumbing vents and drains smaller than 3 inch must have mid-story guides. Okay to side, DO NOT INSULATE
R425 02	5/13/08	JH	FOUR TRADE ROUGH IN VRU #: 001607910
	5/13/08	AP	
I129 01	5/14/08	TI	R*INSULATION INSPECTION VRU #: 001608710
	5/13/08	CA	
I129 02	5/15/08	TI	R*INSULATION INSPECTION VRU #: 001608785

AP JV

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B111 02	4/09/08	JH	R*BLDG SLAB INSP VRU #: 001589514
	4/09/08	AP	done inspection 4/08/08
R425 01	5/05/08	BT	FOUR TRADE ROUGH IN VRU #: 001603190
	5/05/08	DA	<ul style="list-style-type: none"> 1. Missing fire caulk for wiring at multiple locations throughout house. 2. D1, D2 and D2A trusses missing web bracing. 3. No pressure on gas line. 4. Need engineered repair letter for A1A trusses bored for electrical. (Visible from top of stairs in bonus room) 5. All plumbing vents and drains smaller than 3 inch must have mid-story guides. Okay to side, DO NOT INSULATE
R425 02	5/13/08	TI	FOUR TRADE ROUGH IN VRU #: 001607910
		AP JV	

COMMENTS AND NOTES



Trenco

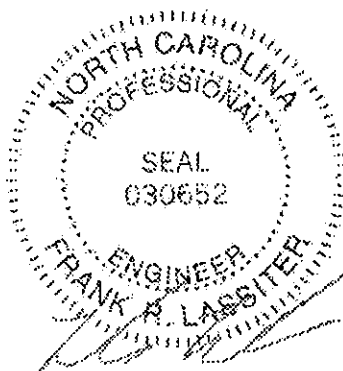
818 Soundside Rd
Edenton, NC 27932

Re: J80310
Highland / Lot 48 Gwen Oaks / 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: E4823038 thru E4823038

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



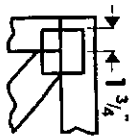
May 7, 2008

Lassiter, Frank

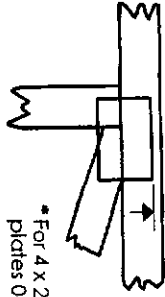
The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-2002 Chapter 2.
Engineering services provided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

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 plate 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

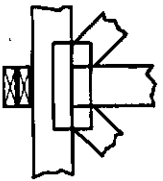
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

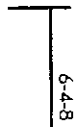


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

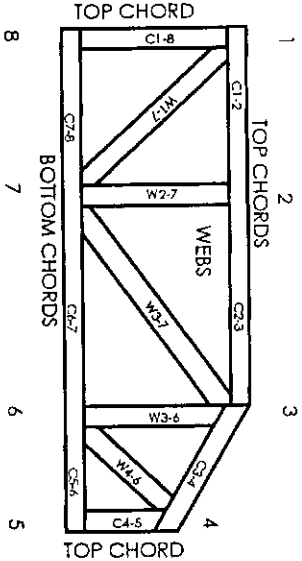
Industry Standards:

- ANSI/FP11: 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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Mitek Engineering Reference Sheet: Mill-7473

General Safety Notes

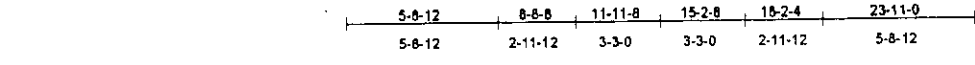
Failure to Follow Could Cause Property Damage or Personal Injury

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 wax or joint locations are regulated by ANSI/FP11.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/FP11.
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/FP11 Quality Criteria.

Job	Truss	Truss Type	City	Ply	Highland / Lot 48 Gwen Oaks / Hamett	E4023038
180310	A1A	ATTIC	6	2	Job Reference (optional)	

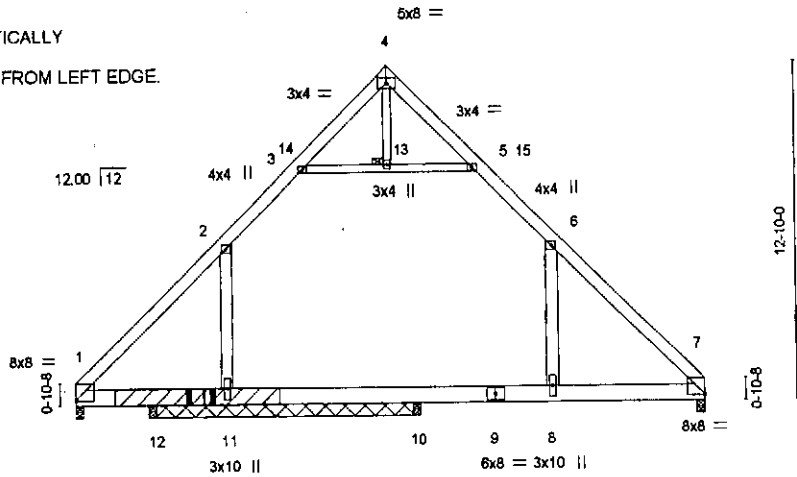
Comtech Inc., Fayetteville, NC 28309

7.040 x Apr 17 2008 Mitek Industries, Inc. Wed May 07 09:31:19 2008 Page 1



Scale = 1/82.4

5/8" DIAM HOLES DRILLED VERTICALLY AT CENTERLINE OF 2 PLY B.C. AT 50", 52", 58", 61", 62" AND 63" FROM LEFT EDGE.



APPLY 2X8 X 6' - 0" SPF NO.2 SCAB TO ONE SIDE OF TRUSS CENTERED ON DAMAGE WITH 3 ROWS OF 10d (3" X 0.131") NAILS SPACED 3.0' O.C.

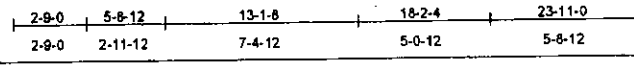


Plate Offsets (X, Y): (1.0-0.0-0.0-0.8), (7.0-0.0-0.0-0.8)

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.15	BC 0.28	Vert(LL) 0.06 7-8 >999 360		
BCLL 0.0	Lumber Increase 1.15	WB 0.03	Vert(TL) -0.10 7-8 >999 240		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 7 n/a n/a		
	Code IRC2003/TPI2002				Weight: 391 lb

LUMBER

TOP CHORD 2 X 6 SYP No.1
 BOT CHORD 2 X 8 SYP No.1
 WEBS 2 X 6 SYP No.1 "Except"
 3-5 2 X 4 SYP No.1, 4-13 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 JOINTS 1 Brace at Jt(s): 13

REACTIONS

(lb/size) 1=733/0-3-8, 7=967/0-3-8, 11=520/10-4-8, 12=81/0-3-8, 10=1203/0-3-8
 Max Horz 1=-424(LC 3)
 Max Uplift 1=-77(LC 3), 7=-10(LC 6), 11=-335(LC 4), 12=-162(LC 5)
 Max Grav 1=733(LC 1), 7=967(LC 1), 11=729(LC 10), 12=81(LC 1), 10=1225(LC 11)

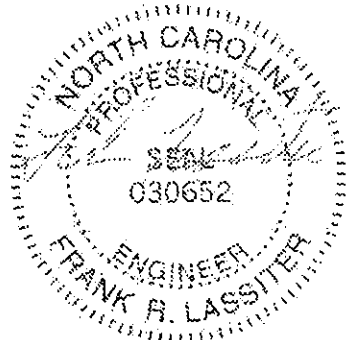
FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=948/205, 2-3=745/141, 3-14=237/3, 4-14=-220/31, 4-15=-200/84, 5-15=-217/60, 5-6=-726/127, 6-7=-963/0
 BOT CHORD 1-12=0/542, 11-12=0/542, 10-11=0/542, 9-10=0/542, 8-9=0/542, 7-8=0/542
 WEBS 3-13=-481/247, 5-13=-481/247, 2-11=-335/372, 6-8=-114/196, 4-13=0/94

NOTES

- 2-ply truss to be connected together with 10d (0.148"x3") nails as follows:
 Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
 Bottom chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C interior(1) 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
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Ceiling dead load (10.0 psf) on member(s): 2-3, 5-6, 3-13, 5-13; Wall dead load (5.0psf) on member(s) 2-11, 6-8
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room: 10-11, 8-10
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 1, 10 lb uplift at joint 7, 335 lb uplift at joint 11 and 162 lb uplift at joint 12.
- This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TPI 1.

LOAD CASE(S) Standard



May 7, 2008

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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 ANS/TPI Quality Criteria, DII-87 and BCSI Building Component Safety Information available from Truss Plate Institute, 583 D'Oroffo Drive, Madison, WI 53717.

TRENCO
 ENGINEERING BY
 FRANK R. LASSITER
 818 Soundside Road
 Edenton, NC 27832

ADDRESS : 120 TACTICAL DR
CONTRACTOR : RBC HOMES INC
OWNER : 210 HIGHWAY DEVELOPMENT LLC
PARCEL : 01-0547- - -0024- -48-
APPL NUMBER: 08-50019161 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : GWEN OAKS #48
210 SOUTH APPROX 4 MILES, SUB DIV ON
LEFT AFTER SCHOOL.
T/S: 01/09/2008 04:52 PM VBROWN ----

SUBDIV: GWEN OAKS 63 LOTS
PHONE : (910) 423-3555
PHONE :

STRUCTURE: 000 000 45X47 3BDR 2BATH SFD
FLOOD ZONE . . . : FLOOD ZONE X

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	2/28/08	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001569430
	2/28/08	AP	T-pole passed Progress energy
A814 01	3/11/08	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001574862
	3/13/08	AP	✓ 120 TACTICAL DR LOT 48
B103 01	3/12/08	JH	R*BLDG FOUND & TEMP SVC POLE VRU #: 001574821
	3/12/08	AP	
P309 01	3/25/08	JH	R*PLUMB UNDER SLAB VRU #: 001581651
	3/25/08	DA	1)Need 10' head of water on drain line . 2)Seal sewer line & sleeve @ foundation wall.
P309 02	3/27/08	TI	R*PLUMB UNDER SLAB VRU #: 001583244
	3/27/08	CA	
P309 03	3/28/08	JH	R*PLUMB UNDER SLAB VRU #: 001584010
	3/28/08	AP	
B111 01	4/01/08	TI	R*BLDG SLAB INSP VRU #: 001585587
	4/01/08	CA	
B111 02	4/09/08	JH	R*BLDG SLAB INSP VRU #: 001589514
	4/09/08	AP	done inspection 4/08/08
R425 01	5/05/08	DT	FOUR TRADE ROUGH IN VRU #: 001603190
	5/05/08	DA	1. Missing fire caulk for wiring at multiple locations throughout house. 2. D1, D2 and D2A trusses missing web bracing. 3. No pressure on gas line. 4. Need engineered repair letter for A1A trusses bored for electrical. (Visible from top of stairs in bonus room) 5. All plumbing vents and drains smaller than 3 inch must have mid-story guides. Okay to side, DO NOT INSULATE
R425 02	5/13/08	JH	FOUR TRADE ROUGH IN VRU #: 001607910
	5/13/08	AP	
I129 01	5/14/08	TI	R*INSULATION INSPECTION VRU #: 001608710
	5/13/08	CA	
I129 02	5/15/08	JH	R*INSULATION INSPECTION VRU #: 001608785
	5/15/08	AP	
H824 01	5/27/08	OT	✓ ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001617182
	5/27/08	AP	
R429 01	7/17/08	TI	FOUR TRADE FINAL VRU #: 001643998

DP-MR

COMMENTS AND NOTES

caulk - A/C Lines at unit
Drain pan not connected

ADDRESS : 120 TACTICAL DR
 CONTRACTOR : RRC HOMES INC
 OWNER : 210 HIGHWAY DEVELOPMENT LLC
 PARCEL : 01-0547- - -0024- -48-
 APPL NUMBER: 08-50019161 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : GWEN OAKS #48
 210 SOUTH APPROX 4 MILES, SUB DIV ON
 LEFT AFTER SCHOOL.
 T/S: 01/09/2008 04:52 PM VBROWN ----

SUBDIV: GWEN OAKS 63 LOTS
 PHONE : (910) 423-3555
 PHONE :

STRUCTURE: 000 000 45X47 3BDR 2BATH SFD
 FLOOD ZONE : FLOOD ZONE X

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
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	2/28/08	AP	T-pole passed Progress energy
A814 01	3/11/08	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001574862
	3/13/08	AP	✓ 120 TACTICAL DR LOT 48
B103 01	3/12/08	JH	R*BLDG FOUND & TEMP SVC POLE VRU #: 001574821
	3/12/08	AP	
P309 01	3/25/08	JH	R*PLUMB UNDER SLAB VRU #: 001581651
	3/25/08	DA	1)Need 10' head of water on drain line . 2)Seal sewer line & sleeve @ foundation wall.
P309 02	3/27/08	TI	R*PLUMB UNDER SLAB VRU #: 001583244
	3/27/08	CA	
P309 03	3/28/08	JH	R*PLUMB UNDER SLAB VRU #: 001584010
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	5/05/08	DA	1. Missing fire caulk for wiring at multiple locations throughout house. 2. D1, D2 and D2A trusses missing web bracing. 3. No pressure on gas line. 4. Need engineered repair letter for A1A trusses bored for electrical. (Visible from top of stairs in bonus room) 5. All plumbing vents and drains smaller than 3 inch must have mid-story guides. Okay to side, DO NOT INSULATE
R425 02	5/13/08	JH	FOUR TRADE ROUGH IN VRU #: 001607910
	5/13/08	AP	
I129 01	5/14/08	TI	R*INSULATION INSPECTION VRU #: 001608710
	5/13/08	CA	
I129 02	5/15/08	JH	R*INSULATION INSPECTION VRU #: 001608785
	5/15/08	AP	
H824 01	5/27/08	OT	✓ ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001617182
	5/27/08	AP	
R429 01	7/17/08	MR	FOUR TRADE FINAL VRU #: 001643998
	7/17/08	DP	1. drain line at AHU pan is not connected 2. caulk around ac lines at outside unit
R429 02	7/18/08	TI	FOUR TRADE FINAL VRU #: 001644947

PREPARED 7/17/08, 14:00:44
Harnett County

INSPECTION TICKET
INSPECTOR: IVR

PAGE 15
DATE 7/18/08

ADDRESS . : 120 TACTICAL DR
CONTRACTOR : RRC HOMES INC
OWNER . : 210 HIGHWAY DEVELOPMENT LLC
PARCEL . . : 01-0547- - -0024- -48-
APPL NUMBER: 08-50019161 CP NEW RESIDENTIAL (SFD)

SUBDIV: GWEN OAKS 63 LOTS
PHONE : (910) 423-3555
PHONE :

REQUESTED INSP DESCRIPTION
TYP/SQ COMPLETED RESULT RESULTS/COMMENTS

_____ *AP-MR*

----- 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: R-3 Conditional Use Permit No.: _____
Type of Construction: IV Building Permit No.: 08-50019161
Owner of Building: 210 Highway Dev. & C. Electrical Permit No.: _____
Building Address: 120 Festival Dr. Insulation Permit No.: _____
Zoning District: _____ Plumbing Permit No.: _____
Zoning Permit No.: _____ Mech. Permit No.: _____
Date: 7-12-8 Envir. C.O. No.: _____
Neil Ream _____

Building Official

Zoning Official

61967461