

ADDRESS : 15 EMMA CT  
CONTRACTOR : GARY ROBINSON HOMES LLC  
OWNER : ABJ INVESTMENTS LLC  
PARCEL : 12-0555- - -0216- -02-  
APPL NUMBER: 10-50023719 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : T/S: 02/02/2010 11:35 AM JBROCK ----  
401 S TO W REAVES BRIDGE RD THREN TURN  
LEFT ON KENLEN RD LOT 2

SUBDIV: KENLAN FARMS PH1 SET1 41LOTS  
PHONE : (910) 977-2562  
PHONE :

STRUCTURE: 000 000 35X45 3BDR SLAB W/ SLAB & GARAGE

FLOOD ZONE : FLOOD ZONE X  
# BEDROOMS : 3000000.00  
SEPTIC - EXISTING? : NEW TANK  
PROPOSED USE : SFD  
WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	3/24/10 <u>3/24/10</u>	TI <u>APP DT</u>	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001899100

COMMENTS AND NOTES

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	3/24/10	AP	
B103 01	3/31/10	TI	R*BLDG FOUND & TEMP SVC POLE VRU #: 001902451

*3-31-10 AP JH*

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B103 01	3/31/10 3/31/10	JH AP	R*BLDG FOUND & TEMP SVC POLE VRU #: 001902451 -----L -----
A814 01	4/15/10	TI	ADDRESS CONFIRMATION VRU #: 001909795
P309 01	<u>4/15/10</u> <i>4-15-10</i>	<u>TI</u> <i>ATJ</i>	R*PLUMB UNDER SLAB VRU #: 001909787

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	4/15/10	DA	Need 10' head of water on plumbing under slab-----
A814 01	4/15/10	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001909795
	4/16/10	AP	15 emma ct lot 2 linden 28356 T/S: 04/16/2010 12:46 PM TWARD -----
P309 02	4/19/10	TI	R*PLUMB UNDER SLAB VRU #: 001911882

*4-19-10* *Op JV*

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P309 03	4/20/10 <u>4-20-10</u>	TI <u>AP JH</u>	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 001912534 T/S: 04/19/2010 10:35 AM VBROWN -----

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B111 01	4/22/10	TI	R*BLDG SLAB INSP VRU #: 001913656

4-22-10 APJH

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



Generated by REScheck-Web Software

# Compliance Certificate

Energy Code: 2006 IRC  
Location: Harnett County, North Carolina  
Construction Type: Single Family  
Glazing Area Percentage: 0%  
Heating Degree Days: 3499  
Climate Zone: 4

Construction Site:                      Owner/Agent:                      Designer/Contractor:

**Compliance: Passes**

Compliance: Maximum UA: 325      Your UA: 323

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor	UA
Wall: Wood Frame, 16in. o.c.	1550	30.0	0.0		73
Door: Solid	68			0.280	19
Floor: Heated Slab-On-Grade Insulation depth: 0.0'	180		0.0		188
Ceiling: Flat or Scissor Truss	915	30.0	0.0		32
Floor: All-Wood Joist/Truss Over Uncond. Space	225	19.0	0.0		11

*Compliance Statement:* The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2006 IRC requirements in REScheck-Web and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

GARY W. ROBINSON  
Name - Title

[Signature]  
Signature

4/21/10  
Date

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B111 01	4/22/10	JH	R*BLDG SLAB INSP VRU #: 001913656
	4/22/10	AP	-----
R425 01	5/25/10	TI	FOUR TRADE ROUGH IN VRU #: 001931765

*5/25/10 DA DT*

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	5/25/10	DA	1. Front door not installed. 2. Plumbing boots must be installed. 3. Need lvl cut sheets. Double lvl above dining room only sits 2 inches on top plate on stair side. Typically lvl's must sit all the way across top plate, need paperwork to support why these don't. T/S: 05/25/2010 09:40 AM DETAYLOR -----
R425 02	5/27/10	TI	FOUR TRADE ROUGH IN VRU #: 001932961
	<i>5-27-10</i>	<i>DA JA</i>	Repairs done Letter in box for the bearing of lvl from dinning room

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

**From:** Dave Pricener (Fay) (dpricefay@comtechfay.com)  
**To:** garyrobinsonhomes@yahoo.com;  
**Date:** Tue, May 25, 2010 4:53:27 PM  
**Cc:**  
**Subject:** Lot 2-Kenlan Farms (Beam Calc)



**David Pricener**

Comtech, Inc.  
Work: (910) 864-8787  
Mobile: (910) 263-0866  
[dpricefay@comtechfay.com](mailto:dpricefay@comtechfay.com)

On the beam calc under bearings and reactions the minimum required bearing is shown as 1.5"  
This should be on the original drawings you have as well.  
Any questions call me.

Thanks

KeyBeam® 4.505a  
kmBeamEngine 4.507h  
Materials Database 1127

### Member Data

Description: j0110-0410-B5

Member Type: Beam  
Top Lateral Bracing: Continuous  
Bottom Lateral Bracing: None  
Moisture Condition: Dry  
Deflection Criteria: L/480 live, L/360 total  
Deck Connection: Nailed  
Filename: KYB2

Application: Floor

Standard Load:

Dead Load: 15 PLF

Live Load: 40 PLF

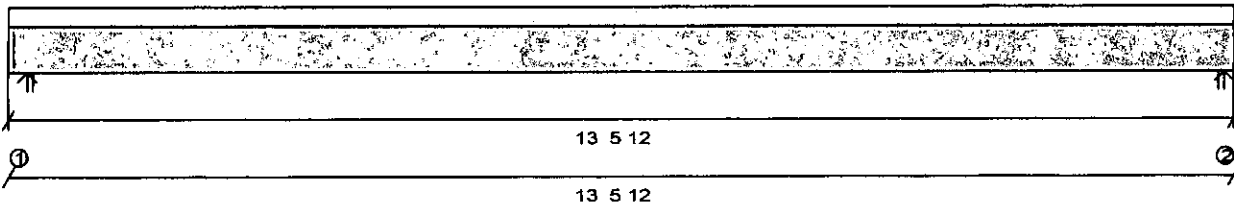
Building Code: IBC / IRC

0.500" max. LL

Member Weight: 10.4 PLF

### Other Loads

Type (Description)	Begin	End	Trib. Width	Dead Start	End	Other Start	End	Category
Additional Uniform (PLF)	0' 0.00"	13' 5.75"		30		80		Live



### Bearings and Reactions

	Location	Type	Input Length	Min Required	Gravity Reaction	Gravity Uplift
1	0' 0.000"	Wall	3.500"	1.500"	1155#	--
2	13' 2.000"	Wall	2.000"	1.500"	1155#	--

### Maximum Load Case Reactions

Used for applying point loads (or line loads) to carrying members

	Dead	Live
1	365#	790#
2	365#	790#

### Design spans

13' 2.000"

Product: Broadspan 1.8E LVL 1 3/4 x 11 7/8 2 ply  
Component Member Design has Passed Design Checks.\*\*  
NOTE: Design assumes member is ripped to 11.00" deep  
Design assumes continuous lateral bracing along the top chord.  
Design assumes no lateral bracing along the bottom chord.

### Allowable Stress Design

	Actual	Allowable	Capacity	Location	Loading
Positive Moment	3800. #	16393. #	23%	6.58'	Total load D+L
Shear	994. #	7443. #	13%	0.01'	Total load D+L
Max. Reaction	1155. #	5250. #	21%	13.17'	Total load D+L
TL Deflection	0.1608"	0.4389"	L/982	6.58'	Total load D+L
LL Deflection	0.1100"	0.3292"	L/999+	6.58'	Total load L

Control: TL Deflection

DOLs: Live=100% Snow=115% Roof=125% Wind=160%

Manufacturer's installation guide MUST be consulted for multi-ply connection details and alternatives



All product names are trademarks of their respective owners

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David Pricener  
Comtech, Inc.

\*\*Passing is defined as when the member, floor joist, beam or girder, shown on this drawing meets applicable design criteria for Loads, Loading Conditions, and Spans listed on this sheet. This design must be reviewed by a qualified designer or design professional as required for approval. This design assumes product installation according to the manufacturer's

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	5/27/10	DA	Repairs done Letter in box for the bearing of lvl from dinning room 1)Nail lvls every 12" per drawings. 2)Replace over notched jack studs on both sides of garage doors, notched over 25 percent. 3)Missing anchor bolt in garage on right side of garage. 4)Nail guard on water lines @ water heater needs to hang below top plate 2". 5)Need 100psi on water line test. 6)Missing nail guard & fire caulk on water lines right of

PREPARED 5/27/10, 14:33:11  
Harnett County

INSPECTION TICKET  
INSPECTOR: IVR

PAGE 16  
DATE 5/28/10

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			back door @ top plate. 7) Fire caulk refridgerant lines in bed 2 @ top plate. 8) 3' head of water on drain line test. 9) Need truss repair letter for repair on B1 truss in master bedroom.
R425 03	5/28/10 <u>5/28/10</u>	TI <u>AP</u>	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 001933985 T/S: 05/27/2010 01:56 PM RDCONTE -----

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

15%

STANDARD REPAIR DETAIL FOR BROKEN CHORDS, WEBS AND DAMAGED OR MISSING CHORD SPLICES

ST-REP01A1

CNC 01/200

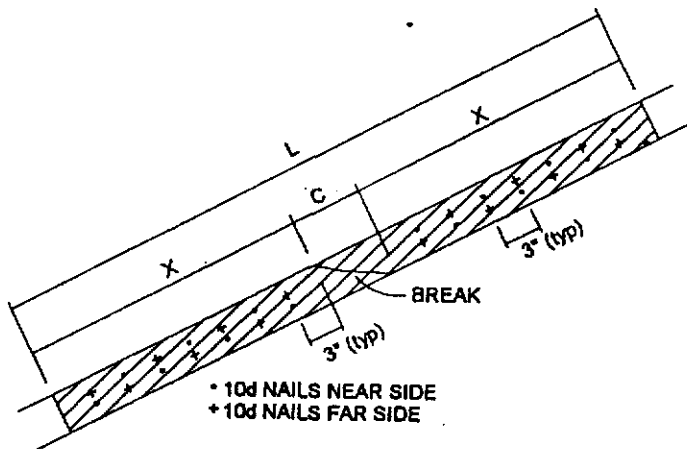


TOTAL NUMBER OF NAILS EACH SIDE OF BREAK *		X INCHES	MAXIMUM FORCE (lbs) 15% LOAD DURATION							
2x4	2x6		SYP		DF		SPF		HF	
			2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6
14	21	24"	1626	2439	1497	2246	1272	1908	1288	1932
18	27	30"	2091	3136	1925	2888	1635	2453	1656	2484
22	33	36"	2555	3832	2353	3529	1999	2998	2024	3036
26	39	42"	3020	4530	2781	4171	2362	3543	2392	3588
30	45	48"	3485	5227	3209	4812	2726	4088	2760	4140

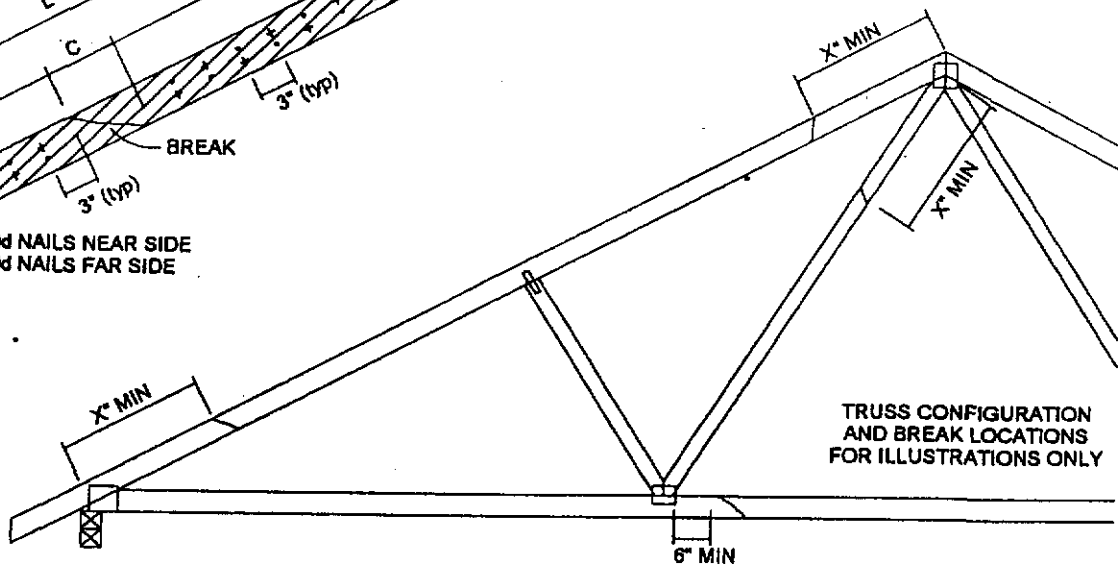
\* DIVIDE EQUALLY FRONT AND BACK

ATTACH 2x SCAB OF THE SAME SIZE AND GRADE AS THE BROKEN MEMBER TO EACH FACE OF THE TRUSS (CENTER ON BREAK OR SPLICE) W/CONSTRUCTION QUALITY ADHESIVE AND 10d NAILS (TWO ROWS FOR 2x4, THREE ROWS FOR 2x6) SPACED 3"oc STAGGERED AS SHOWN (.131" dia. x 3")

THE LENGTH OF THE BREAK (C) SHALL NOT EXCEED 12". (C=PLATE LENGTH FOR SPLICE REPAIRS)  
 THE MINIMUM OVERALL SCAB LENGTH REQUIRED (L) IS CALCULATED AS FOLLOWS:  
 $L = (2) X + C$



• 10d NAILS NEAR SIDE  
 + 10d NAILS FAR SIDE



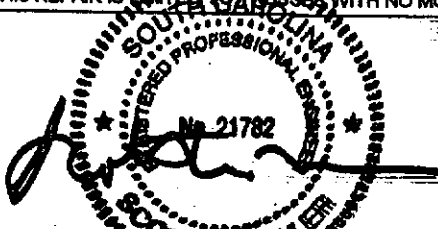
TRUSS CONFIGURATION AND BREAK LOCATIONS FOR ILLUSTRATIONS ONLY

THE LOCATION OF THE BREAK MUST BE GREATER THAN OR EQUAL TO THE REQUIRED X DIMENSION FROM ANY PERIMETER BREAK OR HEEL JOINT AND A MINIMUM OF 6" FROM ANY INTERIOR JOINT (SEE SKETCH ABOVE)

DO NOT USE REPAIR FOR JOINT SPLICES

NOTES:

1. THIS REPAIR DETAIL IS TO BE USED ONLY FOR THE APPLICATION SHOWN. THIS REPAIR DOES NOT IMPLY THAT THE REMAINING PORTION OF THE TRUSS IS UNDAMAGED. THE ENTIRE TRUSS SHALL BE INSPECTED TO VERIFY THAT NO FURTHER REPAIRS ARE REQUIRED. WHEN THE REQUIRED REPAIRS ARE PROPERLY APPLIED, THE TRUSS WILL BE CAPABLE OF SUPPORTING THE LOADS INDICATED.
2. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLYING REPAIR AND HELD IN PLACE DURING APPLICATION OF REPAIR.
3. THE END DISTANCE, EDGE DISTANCE AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
4. WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.
5. THIS REPAIR IS TO BE USED FOR SINGLE PLY TRUSSES IN THE 2x ORIENTATION ONLY.
6. THIS REPAIR IS LIMITED TO TRUSSES WITH NO MORE THAN THREE BROKEN MEMBERS.



11/13/2002

-----

ADDRESS . . : 15 EMMA CT SUBDIV: KENLAN FARMS PH1 SET1 41LOTS  
 CONTRACTOR : GARY ROBINSON HOMES LLC PHONE : (910) 977-2562  
 OWNER . . : ABJ INVESTMENTS LLC PHONE :  
 PARCEL . . : 12-0555- - -0216- -02-  
 APPL NUMBER: 10-50023719 CP NEW RESIDENTIAL (SFD)  
 DIRECTIONS : T/S: 02/02/2010 11:35 AM JBROCK ----  
 401 S TO W REAVES BRIDGE RD THREN TURN  
 LEFT ON KENLEN RD LOT 2

-----

**STRUCTURE: 000 000 35X45 3BDR SLAB W/ SLAB & GARAGE**

FLOOD ZONE . . . . : FLOOD ZONE X  
 # BEDROOMS . . . . : 3000000.00 PROPOSED USE . . . . . : SFD  
 SEPTIC - EXISTING? . . . . : NEW TANK WATER SUPPLY . . . . . : COUNTY

-----

**PERMIT: CPSF 00 CP \* SFD**

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	3/24/10	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001899100
	3/24/10	AP	
B103 01	3/31/10	JH	R*BLDG FOUND & TEMP SVC POLE VRU #: 001902451
	3/31/10	AP	-----L-----
P309 01	4/15/10	JH	R*PLUMB UNDER SLAB VRU #: 001909787
	4/15/10	DA	Need 10' head of water on plumbing under slab-----
A814 01	4/15/10	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001909795
	4/16/10	AP	15 emma ct lot 2 linden 28356 T/S: 04/16/2010 12:46 PM TWARD -----
P309 02	4/19/10	JH	R*PLUMB UNDER SLAB VRU #: 001911882
	4/19/10	DP	Previous violation have not been corrected still no water on plumbing test. -----
P309 03	4/20/10	JH	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 001912534
	4/20/10	AP	T/S: 04/19/2010 10:35 AM VBROWN -----
B111 01	4/22/10	JH	R*BLDG SLAB INSP VRU #: 001913656
	4/22/10	AP	-----
R425 01	5/25/10	DT	FOUR TRADE ROUGH IN VRU #: 001931765
	5/25/10	DA	1. Front door not installed. 2. Plumbing boots must be installed. 3. Need lvl cut sheets. Double lvl above dining room only sits 2 inches on top plate on stair side. Typically lvl's must sit all the way across top plate, need paperwork to support why these don't. T/S: 05/25/2010 09:40 AM DETAYLOR -----
R425 02	5/27/10	JH	FOUR TRADE ROUGH IN VRU #: 001932961
	5/27/10	DA	Repairs done Letter in box for the bearing of lvl from dinning room 1)Nail lvls every 12" per drawings. 2)Replace over notched jack studs on both sides of garage doors, notched over 25 percent. 3)Missing anchor bolt in garage on right side of garage. 4)Nail guard on water lines @ water heater needs to hang below top plate 2". 5)Need 100psi on water line test. 6)Missing nail guard & fire caulk on water lines right of

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OWNER : ABJ INVESTMENTS LLC  
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APPL NUMBER: 10-50023719 CP NEW RESIDENTIAL (SFD)

SUBDIV: KENLAN FARMS PH1 SET1 41LOTS  
PHONE : (910) 977-2562  
PHONE :

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
			back door @ top plate. 7)Fire caulk reffridgerant lines in bed 2 @ top plate. 8)3' head of water on drain line test. 9)Need truss repair letter for repair on B1 truss in master bedroom.
R425 03	5/28/10	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 001933985
	5/28/10	AP	T/S: 05/27/2010 01:56 PM RDCONTE -----
I129 01	6/04/10 <u>6/4/10</u>	TI <u>AP Dr</u>	R*INSULATION INSPECTION VRU #: 001935873

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



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 CONTRACTOR : GARY ROBINSON HOMES LLC  
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 401 S TO W REAVES BRIDGE RD THREN TURN  
 LEFT ON KENLEN RD LOT 2

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 PHONE : (910) 977-2562  
 PHONE :

**STRUCTURE: 000 000 35X45 3BDR SLAB W/ SLAB & GARAGE**

FLOOD ZONE : FLOOD ZONE X  
 # BEDROOMS : 3000000.00  
 SEPTIC - EXISTING? : NEW TANK  
 PROPOSED USE : SFD  
 WATER SUPPLY : COUNTY

**PERMIT: CPSF 00 CP \* SFD**

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B103 01	3/31/10	JH	R*BLDG FOUND & TEMP SVC POLE VRU #: 001902451
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P309 01	4/15/10	JH	R*PLUMB UNDER SLAB VRU #: 001909787
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	4/16/10	AP	✓15 emma ct lot 2 linden 28356 T/S: 04/16/2010 12:46 PM TWARD -----
P309 02	4/19/10	JH	R*PLUMB UNDER SLAB VRU #: 001911882
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B111 01	4/22/10	JH	R*BLDG SLAB INSP VRU #: 001913656
	4/22/10	AP	-----
R425 01	5/25/10	DT	FOUR TRADE ROUGH IN VRU #: 001931765
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CONTINUED ONTO NEXT PAGE

Harnett County

INSPECTOR: IVR

DATE 8/31/10

ADDRESS . : 15 EMMA CT  
 CONTRACTOR : GARY ROBINSON HOMES LLC  
 OWNER . . : ABJ INVESTMENTS LLC  
 PARCEL . . : 12-0555- - -0216- -02-  
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 PHONE :

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
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R425 03	5/28/10	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 001933985
	5/28/10	AP	T/S: 05/27/2010 01:56 PM RDCONTE -----
I129 01	6/04/10	DT	R*INSULATION INSPECTION VRU #: 001935873
	6/04/10	AP	
H824 01	7/29/10	BM	✓ ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001961846
	7/29/10	AP	T/S: 07/30/2010 08:41 AM SZIMMER ----- T/S: 07/30/2010 08:42 AM SZIMMER -----
R429 01	8/31/10	TI	FOUR TRADE FINAL VRU #: 001976448
	<u>8/31/10</u>	<u>DADT</u>	

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

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STRUCTURE: 000 000 35X45 3BDR SLAB W/ SLAB & GARAGE

FLOOD ZONE : FLOOD ZONE X  
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SEPTIC - EXISTING? : NEW TANK WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP \* SFD

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B103 01	3/31/10 3/31/10	JH AP	R*BLDG FOUND & TEMP SVC POLE VRU #: 001902451 -----L-----
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B111 01	4/22/10 4/22/10	JH AP	R*BLDG SLAB INSP VRU #: 001913656 -----
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	7/29/10	AP	T/S: 07/30/2010 08:41 AM SZIMMER ----- T/S: 07/30/2010 08:42 AM SZIMMER -----
R429 01	8/31/10	DT	FOUR TRADE FINAL VRU #: 001976448
	8/31/10	DA	1. Dryer duct not installed. 2. No house numbers. 3. Rear door needs steps. 4. Caulk toilets to floor 5. Need ladder to access attic. T/S: 08/31/2010 10:21 AM DETAYLOR -----
R429 02	9/03/10 <u>9/3/10</u>	TI <u>APDT</u>	FOUR TRADE FINAL VRU #: 001978410

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

County of Harnett  
Building Inspections Department  
Planning Services

**Certificate of Compliance: \_\_\_ Occupancy: X**

Certificate issued pursuant to the requirements of North Carolina General Statute 153A-363 and Harnett County Zoning Ordinances. This certifies at the time of issuance, this structure was in compliance with the various ordinances of the County of Harnett and the North Carolina State Building Codes. For the following:

Use Classification: Residential

**Permit Numbers**

Name: Gary Robinson Homes LLC

Building: \_\_\_\_\_

Electrical: \_\_\_\_\_

Insulation: \_\_\_\_\_

Plumbing: \_\_\_\_\_

Mechanical: 10 \_\_\_\_\_

MFG Home: \_\_\_\_\_

Address: 15 Emma Ct

Linden, NC 28356

Date: 9/3/10

Building Official: \_\_\_\_\_

[Signature]

50023719