

COUNTY OF HARNETT
Building Inspections Department
Planning Services

Certificate of Compliance: _____ Occupancy:

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

Name: Cynthia + Max Hardwick

Address: 5103 Hillman Grove Rd

Date: 6/13/16

Building Official: _____

Permit Numbers

Building: _____

Electrical: _____

Insulation: _____

Plumbing: _____

Mechanical: _____

MFG Home: _____

510
510

Harnett County

INSPECTOR: IVR

DATE 6/13/16

ADDRESS : 5103 HILLMON GROVE RD
 CONTRACTOR : UNIQUE BUILDERS, LLC
 OWNER : HARDWICK CYNTHIA R
 PARCEL : 09-9564- - -0034- -03-
 APPL NUMBER: 14-50034510 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : T/S: 08/28/2014 02:19 PM VBROWN ----
 ON HILLMON GROVE RD AT THE HARNETT
 MOORE COURNTY LINE. PROPERTY ON THE
 LEFT.
 T/S: 08/28/2014 02:25 PM VBROWN ----

SUBDIV:
 PHONE : (910) 464-1685
 PHONE :

STRUCTURE: 000 000 60X80 3BDR 2BATH SFD

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

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	7/08/15	TSG	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002684686
	7/08/15	AP	T/S: 07/07/2015 12:51 PM KGOINS -----
B103 01	7/15/15	TSG	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002687879
	7/15/15	AP	T/S: 07/14/2015 01:54 PM LBENNETT -----
A814 01	7/16/15	SB	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002688018
	7/15/15	AP	5103 HILLMON GROVE RD CAMERON 28326 POST # BY LDW T/S: 07/15/2015 10:31 AM SBENNETT -----
B105 01	8/10/15	TSG	R*OPEN FLOOR TIME: 17:00 VRU #: 002700516
	8/10/15	AP	T/S: 08/07/2015 10:24 AM LBENNETT -----
R425 01	12/15/15	TSG	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002753838
	12/15/15	DA	T/S: 12/14/2015 12:23 PM LBENNETT ----- 1- plumbing presure tst down 2- relocate range vent exshhaust 3-relocate ceiling junction boxes to be accessible
R425 02	12/16/15	TSG	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002754828
	12/16/15	AP	T/S: 12/15/2015 01:01 PM DJOHNSON -----
I129 01	12/18/15	TSG	R*INSULATION INSPECTION TIME: 17:00 VRU #: 002756070
	12/18/15	AP	T/S: 12/17/2015 01:25 PM LBENNETT -----
E209 01	1/11/16	TSG	R*ELEC TEMP POWER CERT TIME: 17:00 VRU #: 002763068
	1/11/16	AP	T/S: 01/07/2016 02:30 PM DJOHNSON ----- T/S: 01/08/2016 11:11 AM LBENNETT -----
H824 01	1/14/16	OT	ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 002766400
	1/14/16	AP	T/S: 01/15/2016 01:28 PM SSTEWARD ----- T/S: 01/15/2016 01:29 PM SSTEWARD -----
R429 01	6/13/16	TI	FOUR TRADE FINAL TIME: 17:00 VRU #: 002829430
			T/S: 06/10/2016 12:56 PM LBENNETT -----

COMMENTS AND NOTES

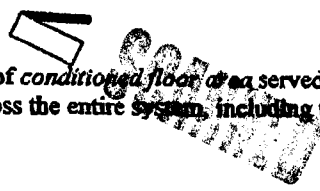
34510
Cynthia
Hardwick

Duct sealing: Duct air leakage test

N1103.2.2 Sealing. All ducts, air handlers, filter boxes and building cavities used as ducts shall be sealed. Joints and seams shall comply with Section 603 of the *NC Mechanical Code*.

Duct tightness shall be verified as follows:

Total duct leakage less than or equal to 6 CFM (18 L/min) per 100 ft² (9.29 m²) of conditioned floor area served by that system when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure.



During testing:

1. Block, if present, the ventilation air duct connected to the conditioning system.
2. The duct air leakage testing equipment shall be attached to the largest return in the system or to the air handler.
3. The filter shall be removed and the air handler power shall be turned off.
4. Supply boots or registers and return boxes or grilles shall be taped, plugged, or otherwise sealed air tight.
5. The hose for measuring the 25 Pascals of pressure differential shall be inserted into the boot of the supply that is nominally closest to the air handler.
6. Specific instructions from the duct testing equipment manufacturer shall be followed to reach duct test pressure and measure duct air leakage.

Testing shall be performed and reported by the permit holder, a NC licensed general contractor, NC licensed HVAC contractor, a NC licensed Home Inspector, a registered design professional, a certified BPI Envelope Professional or a certified HERS rater. A single point depressurization, not temperature corrected, test is sufficient to comply with this provision, provided that the duct testing fan assembly has been certified by the manufacturer to be capable of conducting tests in accordance with ASTM E1554-07.

The duct leakage information, including duct leakage result, tester name, date, company and contact information, shall be included on the certificate described in Section 401.3.

For the Test Criteria, the report shall be produced in the following manner: perform the HVAC system air leakage test and record the CFM25. Calculate the total square feet of Conditioned Floor Area (CFA) served by that system. Multiply CFM25 by 100, divide the result by the CFA and record the result. If the result is less than or equal to [6 CFM25/100 SF] the HVAC system air tightness is acceptable.

Complete one duct leakage report for each HVAC system serving the home:

Property Address: 5103 Hillman Grove Rd, Cameron, NC 28326

HVAC System Number: 1 Describe area of home served: Main Level 1st Floor

CFM25 Total 63. Conditioned Floor Area (CFA) served by system: 1600 +/- s.f.

CFM25 x 100 divided by CFA = 4 CFM25/100SF (e.g. 100 CFM25 x 100/2,000 CFA = 5 CFM25/100SF)

Fan attachment location: Hall Return

Company Name: Carolina Air, Inc

Contact Information: Gary Bullock 910 585-2425

Signature of Tester: Gary Bullock

Date: 6/2/2016

Permit Holder, NC Licensed General Contractor, NC Licensed HVAC Contractor, NC Licensed Home Inspector, Registered Design Professional, Certified BPI Envelope Professional, or Certified HERS Rater
(circle one)