# *Plaquemines Parish Government*

# *Department of Permits*

Dear License Holder,

This letter serves as notice of changes in Plaquemines Parish Permitting process. Adoption of new codes by the LSUCCC has necessitated substantive and operational changes. The most significant substantive changes for mechanical and fuel gas permits are as follows:

As of January 1st, 2015

1. Mandatory application of the **2012 International Residential Code excluding Chapter 11.**

2. Mandatory application of the **2009 International Residential Code only Chapter 11.**

3. **Building envelope air tightness and insulation installation** shall be demonstrated to comply with one of the following methods as chosen by the contractor, design professional or homeowner [IRC N1102.4.2 LSUCCC Amendment]:

    - **Option 1: Blower Door Test** by certified personnel – If this option is used, then blower door test shall be performed by individuals certified to perform blower door tests by nationally recognized organization [IRC N1102.4.2.1 LSUCCC Amendment]. Plaquemines Parish blower door test report forms shall be submitted to and approved by the Department of Permits prior to final building inspection and certificate of occupancy. Tested air leakage shall be between 5 and 7 ACH at 50 pascal.

    - **Option 2: Visual Inspection** by certified personnel – If this option is used, then visual inspections shall be performed by individuals certified to perform such inspections and approved by Plaquemines Parish, Department of Permits prior to date of inspections. Such inspections shall encompass all items listed in IRC Table N1102.4.2. These inspections may need to be conducted at different stages of construction in order to complete all inspection areas prior to being covered. Once walls are closed a visual inspection is no longer possible or accepted.

4. **Duct testing** shall be performed by individuals certified to perform duct sealing tests by a nationally recognized organization that trains and provides certification exams for the proper procedures to perform such test. Written test reports from Plaquemines Parish shall be submitted to and approved by the Department of Permits prior to occupancy [IRC N1103.2.2]. Duct testing shall not be required if the air handler and all ducts are located within conditioned space.

5. **Wood burning fire places** shall have outdoor combustion air visible at rough in inspection prior to wall closure. [IRC N1102.4.3].

6. **Locking Access Port Caps** – Refrigerant circuit access ports located outdoors shall be fitted with locking-type tamper resistant caps or shall be otherwise secured to prevent unauthorized access.

7. **Insulation of Refrigerant Piping** – Piping and fittings for refrigerant vapor lines shall be insulated with insulation having a thermal resistivity of at least R-4.

8. **Programmable Thermostats** – Where the primary heating system is a forced air furnace, at least one programmable thermostat per dwelling shall be capable of controlling the heating and cooling system on a daily schedule.

9. **Mechanical System Piping Insulation** – Mechanical system piping capable of carrying fluids above 105 degrees or below 55 degrees shall be insulated to a minimum of R3. This will include drain lines.

10. **HVAC Registers** – HVAC registers or boots that penetrate the building envelope will be sealed to the subfloor or drywall.

11. **Access Doors** – Access doors to equipment will be required to be insulated and weather stripped to a minimum of R-4.

# Plaquemines Parish Duct Leakage Test Form

## Building Information:

Address: _____ Date: _____

_____

_____

Permit #: _____

HVAC Installing Company: _____ Phone Number: _____

Certified Tester: _____ Phone Number: _____

National Certifying Body: _____ Certification # _____

Test result must be in accordance with the 2009 IRC N1103.2.2

*Note:* Duct Testing shall not be required if the air handler and all ducts are located within conditioned space.

**RIWO** – Rough In With-Out air handler installed is ≤ 4 CFM per 100 ft² CFA

**RIW** – Rough-In With air handler installed is ≤ 6 CFM per 100 ft² CFA

**PCWO** – Post Construction With Out Blower Door is ≤ 12 CFM per 100 ft² CFA

**PCBD** – Post Construction With Blower Door (to outside) is ≤ 8 CFM per 100 ft² CFA

## Test Results:

| System Name | CFA | Type of Test Performed | CFM per 100 ft² | Pass / Fail |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**I hereby certify that all the information above on this form is true and correct and understand that any misrepresentation of results will result in revocation of occupancy.**

Signature of Tester: _____

# Plaquemines Parish Building Airtightness Test Form

## Building Information:

Address: _____ Date: _____

_____

_____

Permit #: _____

HVAC Installing Company: _____ Phone Number: _____

Certified Tester: _____ Phone Number: _____

National Certifying body: _____ Certification # _____

Test result must be in accordinance with the 2009 IRC N1102.4.2.1

## Test Results:

| Testing Pressure (Pa) | ACH | Pass / Fail |
|---|---|---|
| | | |
| | | |

**I hereby certify that all the information above on this form is true and correct and understand that any misrepresentation of results will result in revocation of occupancy.**

Signature of Tester: _____

# PLAQUEMINES PARISH DEPARTMENT OF PERMITS

## AIR BARRIER AND INSULATION INSPECTION REPORT

All air barrier and insulation inspections are to be done by approved providers. Providers shall be approved by Plaquemines Parish, Department of Permits prior to date of inspections. All inspection results to be dated, initialed, verified by attached time stamped photo, and submitted electronically. Table copyright ICC IRC 2009.

| COMPONENT | CRITERIA[a] | Initial | Date |
|---|---|---|---|
| Air barrier and thermal barrier | • A continuous air barrier shall be installed in the building envelope.<br>• Exterior thermal envelope contains a continuous air barrier.<br>• Breaks or joints in the air barrier shall be sealed.<br>• Air-permeable insulation shall not be used as a sealing material. | | |
| Ceiling/attic | • The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier sealed.<br>• Access openings, drop down stair or knee wall doors to unconditioned attic spaces shall be sealed. | | |
| Walls | • Corners and headers shall be insulated and the junction of the foundation and sill plate shall be sealed.<br>• The junction of the top plate and top of exterior walls shall be sealed.<br>• Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.<br>• Knee walls shall be sealed. | | |
| Windows, skylights and doors | • The space between window/door jambs and framing and skylights and framing shall be sealed. | | |
| Rim joists | • Rim joists shall be insulated and include the air barrier. | | |
| Floors (including above-garage and cantilevered floors) | • Insulation shall be installed to maintain permanent contact with underside of subfloor decking.<br>• The air barrier shall be installed at any exposed edge of insulation. | | |
| Crawl space walls | • Where provided in lieu of floor insulation, insulation shall be permanently attached to the crawlspace walls.<br>• Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped. | | |
| Shafts, penetrations | • Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed. | | |
| Narrow cavities | • Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity space. | | |
| Garage separation | • Air sealing shall be provided between the garage and conditioned spaces. | | |
| Recessed lighting | • Recessed light fixtures installed in the building thermal envelope shall be air tight, IC rated, and sealed to the drywall. | | |
| Plumbing and wiring | • Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring. | | |
| Shower/tub on exterior wall | • Exterior walls adjacent to showers and tubs shall be insulated and the air barrier installed separating them from the showers and tubs. | | |
| Electrical/phone box on exterior walls | • The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed. | | |
| HVAC register boots | • HVAC register boots that penetrate building thermal envelope shall be sealed to the subfloor or drywall. | | |
| Fireplace | • An air barrier shall be installed on fireplace walls. Fireplaces shall have gasketed doors. | | |

*I certify that the above is true and correct and understand that any misrepresentation of results will result in revocation of occupancy.*

Printed Name _____ Signature _____ Date _____