



March 20, 2009

MEMORANDUM

BULLETIN M-01-09

To: All Permit Applicants

From: Thomas H. Goldsbury, P.E., C.B.O., LEED AP
Chief, Building Inspection Division

Subject: **Matched Air Conditioning Systems and Duct Testing**

Matched Air Conditioning Systems

To comply with the 2007 Florida Building Code - Residential and the Florida Building Code Chapter 13 Energy Code, the City of Jacksonville will require the mechanical contractor to provide proof of a matched air conditioning system for new installations and change-outs submitted now under the 2007 Code, but no later than all permit applications submitted after March 31, 2009. The mechanical permit application and the on-line form have a space for the ARI reference number that verifies a matched system is being installed. The matched system can also be verified by one of the options listed in the code section below, **N1100.0.2 Building Systems**. This information must be presented at the time of submitting a permit application. You can obtain ARI reference numbers from your equipment distributors or from the website www.ahridirectory.org/

N1100.0.2 Building systems. Thermal efficiency standards are set for the following building systems where new products are installed or replaced in existing buildings, and for which a permit must be obtained. Such systems shall meet the minimum efficiencies allowed for that system on Form 1100B ~~N1100C~~ for residential buildings.

1. Heating, ventilating or air conditioning systems;
2. Service water or pool heating systems;

Exceptions:

1. Where part of a functional unit is repaired or replaced. For example, replacement of an entire HVAC system is not required because a new compressor or other part does not meet code when installed with an older system. If the unit being replaced is itself a functional unit, such as a condenser, it does not constitute a repair. Outdoor and indoor units that are not designed to be operated together must meet the U.S. Department of Energy certification requirements contained in Section N1107.AB.3.1.1 [13-607.AB.3.1.1]. Matched systems are required, this match may be verified by any one of the following means:

- 1) ARI (AHRI) data
- 2) Accredited laboratory (example ARL labs)
- 3) Manufacturer's letter
- 4) Letter from registered P.E. State of Florida

Duct Testing

There are several requirements specific to method A or method B that require testing of the duct system and equipment to be leak free to certain specifications. This testing must be performed by a Class 1 BERS rater certified by the State of Florida. When this testing is required, a hold will be placed on the final building inspection until a completed passing test report is submitted to the Mechanical Section. We realize that the State is taking considerable time in reviewing and certifying the test results from the raters. We suggest you have this testing performed as soon as possible so as not to delay your final building inspection and Certificate of Occupancy. If your final approval is not back from the State, you can go through the Temporary Certificate of Occupancy process provided we receive a letter from your rater that in their opinion the system will pass.