



April 2, 2009

**MEMORANDUM**

**BULLETIN M-02-09**

To: All Permit Applicants

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

Subject: **Use of Worst Case Scenario for HVAC Equipment Sizing in Dwellings**

The purpose of this bulletin is to remind you that as required by both new 2007 Florida Building Codes, see below, the worst case scenario for HVAC equipment sizing (Manual J) is no longer allowed. The energy calculations may still be run for "worst case", but the equipment sizing (Manual J) must be site specific.

For master repeats site specific equipment sizing (Manual J) will be required with each application.

**Florida Building Code – Building**

**13-607.ABC.1 Equipment sizing.** A cooling and heating load calculation shall be performed on the building and shall be attached to the Form 1100 submitted when application is made for a building permit, or in the event the mechanical permit is obtained at a later time, the calculation shall be submitted with the application for the mechanical permit. **HVAC sizing calculations shall account for the directional orientation of the building for which the load is calculated; worst-case sizing calculations shall not be permitted.** Cooling and heating design loads, for the purpose of sizing HVAC equipment and designing HVAC systems, shall be determined for the dwelling spaces (typically rooms or zones) served by each piece of equipment in accordance with ACCA Manual J, ACCA Manual N, or the ASHRAE Cooling and Heating Load Calculation Manual

**Florida Building Code - Residential**

**N1107.ABC.1 Equipment sizing.** A cooling and heating load calculation shall be performed on the building and shall be attached to the Form 1100 submitted when application is made for a building permit, or in the event the mechanical permit is obtained at a later time, the calculation shall be submitted with the application for the mechanical permit. **HVAC sizing calculations shall account for the directional orientation of the building for which the load is calculated; worst-case sizing calculations shall not be permitted.** Cooling and heating design loads, for the purpose of sizing HVAC equipment and designing HVAC systems, shall be determined for the dwelling spaces (typically rooms or zones) served by each piece of equipment in accordance with ACCA Manual J, ACCA Manual N, or the ASHRAE Cooling and Heating Load Calculation Manual, Second Edition.