

Building Department

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Mechanical (A/C & Duct Work)

Requirements and Information:

- Florida Building Code HVAC – Energy Conservation

Section 302 – General Requirements

- **C302.1** – When performing heating/cooling load calculations, interior design temperatures should be no more than 72°F (22°C) for heating and a minimum of 75°F (24°C) for cooling.

Section 303 – Materials, Systems, And Equipment

- **C303.1 Identification** – Materials, systems and equipment should be compliant with the applicable code provisions.
- **C303.2 Installation** – All materials, systems and equipment should be installed in accordance with equipment manufacturer instructions and the Florida Building Code itself.
- **C303.3 Maintenance information** – Maintenance instructions should be provided for any equipment that requires preventive maintenance, with actions clearly stated on a visible label.

Section C403 – Building Mechanical Systems

Section 403 of the Energy Conservation Code contains the majority of HVAC building code considerations to know, particularly for commercial building applications. It outlines the following:

- **C403.1 General** – Any mechanical systems for building heating, cooling or ventilating should comply with Section C403.2, C403.3, and C403.4.

Relevant energy codes to reference in these provisions include the following:

- **C403.2.1** – Calculation of heating loads
- **C403.2.2** – Equipment sizing calculations
- **C403.2.3** – HVAC performance requirements
- **C403.2.4** – HVAC system controls
- **C403.2.4.4** – Zone isolation
- **C403.2.6** – Ventilation
- **C403.2.7** – Energy recovery ventilation systems
- **C403.2.9.3** – Sealing, general
- **C403.2.9.5** – Air distribution system sizing and design
- **C403.2.10** – Piping insulation
- **C403.4** – Hydronic and multiple-zone HVAC systems controls and equipment
- **C403.4.4** – Requirements for complex mechanical systems serving multiple zones.

Documentation Required:

- Completed permit application.
- Recorded Notice of Commencement (if over \$15,000.00).
- AHRI Certificate for unit being installed.
- Duct work layout (if applicable)
- A Mechanical permit must be obtained by a licensed mechanical contractor prior to installation