



# City of South Pasadena

COMMUNITY IMPROVEMENT

**Office Address:**

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## HVAC REPLACEMENT

**PERMIT # \_\_\_\_\_**

(2010 Florida Building Code: Energy Conservation section 101.4.7)

### PARTIAL REPLACEMENT HVAC- EVAPORATOR AND CONDENSING UNIT

➤ **Matched systems are required; this match may be verified by any one of the following means:**

- AHRI data.
- Accredited laboratory.
- Manufacturer’s letter.
- Letter from registered P.E. State of Florida.

### TOTAL REPLACEMENT HVAC - EVAPORATOR AND CONDENSING UNIT

➤ **Contractor Must Inspect and Seal/Repair the Existing Duct System**

**Exception:**

- Ducts in tight spaces – 30” or less
  - Ducts in Conditioned Spaces
  - Joints & Seams sealed with Fabric & Mastic
  - The Duct System is Tested and Passes
- The Contractor must provide a signed “Certificate of Compliance” and attach it to the AHU. Sample wording below:

As the Contractor of Record, this Air Distribution System is in Compliance with the Minimum Requirements of the 2010 Florida Building Code – Energy Conservation, Section 101.4.7.1.

\_\_\_\_\_  
Contractor Signature

\_\_\_\_\_  
License No.

\_\_\_\_\_  
Date

➤ An A/C contractor or licensed Florida PE shall submit a nationally recognized method based sizing calculation to the code official at the time of permit application for total replacement of the condensing and evaporator components of HVAC systems in accordance with Florida law and the provisions of Section 403.6.1 or Section 503.2.1, as applicable.

- **Residential** - ACCA Manual S Based on Equipment Loads & Calculated in Accordance with Manual J, or other approved method.

Must be based on:

- Building Loads for the Directional Orientation of the Building
- Manufacturer & Model
- Sensible & Total Cooling Capacity
  - MAX for Heating 72 degrees
  - MIN for Cooling 75 degrees

- **Commercial** –

Design loads

- ASHRAE / ACCA Standard 183
- ACCA Manual N