DETAILED CODE REFERENCES TO ACCA STANDARDS – 2009

Code Body	Code	ACCA Reference	Code Statement
International Association of Plumbing and Mechanical Officials	Uniform Mechanical Code	{**2015 UMC** §601.2} [**Manual D** Residential Duct Systems] {**2015 UMC** §601.2} [**Manual Q** Low Pressure Low Velocity Duct Systems Design] {**2009 UMC** §1106.1} [**Manual J** Residential Load Calculation] {**2009 UMC** §1106.1} [**Manual N** Commercial Load Calculations]	**601.2 Sizing Requirements (in Chapter 16 – DUCT SYSTEMS):** Duct systems used with blower-type equipment that are portions of a heating, cooling, absorption, evaporative cooling, or outdoor-air ventilation system shall be sized in accordance with Chapter 17, or by other approved methods. **1106.1 Human Comfort (in Chapter 11 – REFRIGERATION):** … Cooling equipment used for human comfort in dwelling units shall be sized to satisfy the calculated loads determined in accordance with the reference standards in Chapter 17 or other approved methods. **Chapter 17 Referenced Standards | Table 1701.1 Referenced Standards** - ACCA Manual D-2002 - ACCA Manual J-2003 - ACCA Manual N-2008 - ACCA Manual Q-2003
International Code Council	International Residential Code	{**2009 IRC** §M1401.3} [**Manual J** Residential Load Calculation] {**2009 IRC** §M1401.3} [**Manual S** Residential Equipment Selection] {**2009 IRC** §M1601.1 and§M1602.2 } [**Manual D** Residential Duct Systems]	**M1401.3 Equipment and appliance sizing.** Heating and cooling equipment and appliances shall be sized in accordance with **ACCA Manual S** based on building loads calculated in accordance with **ACCA Manual J** or other approved heating and cooling calculation methodologies. **M1601.1 Duct design.** Duct systems serving heating, cooling and ventilation equipment shall be installed in accordance with the provisions of this section and **ACCA Manual D**, the appliance manufacturer's installation instructions or other approved methods. **M1602.2 Return air openings.** Outdoor and return air for a forced-air heating or cooling system shall not be taken from the following locations: … 3. A room or space, the volume of which is less than 25 percent of the entire volume served by the system. Where connected by a permanent opening having an area sized in accordance with **ACCA Manual D**, adjoining rooms or spaces shall be considered as a single room or space for the purpose of determining the volume of the rooms or spaces. Exception: The minimum volume requirement shall not apply where the amount of return air taken from a room or space is less than or equal to the amount of supply air delivered to the room or space..
	International Energy Conservation Code	{**2009 IECC** §R403.6} [**Manual J** Residential Load Calculation] {**2009 IECC** §R403.6 } [**Manual S** Residential Equipment Selection]	**R403.6 Equipment sizing (Mandatory).** Heating and cooling equipment shall be sized in accordance with Section M1401.3 of the International Residential Code.
	International Mechanical Code	{**2009 IMC** §603.2} [**Manual D** Residential Duct Systems]	**603.2 Duct sizing.** Ducts installed within a single dwelling unit shall be sized in accordance with **ACCA Manual D** or other approved methods. Ducts installed within all other buildings shall be sized in accordance with the ASHRAE *Handbook of Fundamentals* or other equivalent computation procedure..