

## DETAILED CODE REFERENCES TO ACCA STANDARDS – 2012

Code Body	Code	ACCA Reference	Code Statement
International Association of Plumbing and Mechanical Officials	Uniform Mechanical Code	<p style="text-align: center;">{2012 UMC §102.4.1 &amp; §1023.1} [ACCA/ASHRAE 180 Inspection and Maintenance of Commercial Building HVAC Systems]</p> <p style="text-align: center;">{2012 UMC §102.4.2} [ACCA 4 QM Maintenance of Residential HVAC Systems]</p> <p style="text-align: center;">{2012 UMC §103.1 &amp; §306.1} [Manual Q Low Pressure Low Velocity Duct Systems Design]</p> <p style="text-align: center;">{2012 UMC §103.1 &amp; §306.1} [Manual N Commercial Load Calculations]</p> <p style="text-align: center;">{2012 UMC §317.1} [ACCA Manual B Balancing and Testing Air and Hydronic Systems]</p> <p style="text-align: center;">{2012 UMC §601.2 &amp; §E502.4.4} [Manual D Residential Duct Systems]</p> <p style="text-align: center;">{2012 UMC §E503.4.2} [ACCA/ASHRAE 183 Peak Heating and Cooling Load Calculations in Buildings Except Low-Rise Residential Buildings]</p> <p style="text-align: center;">{2012 UMC §E502.6} [Manual J Residential Load Calculation-8<sup>th</sup> Ed.]</p>	<p><b><u>102.4.1 Commercial HVAC Systems (in Chapter 1 – ADMINISTRATION):</u></b> Commercial HVAC systems both existing and new, and parts thereof shall be inspected and maintained in operating condition in accordance with ASHRAE/ACCA 180...</p> <p><b><u>102.4.2 Residential HVAC Systems (in Chapter 1 – ADMINISTRATION):</u></b> Residential HVAC systems both existing and new, and parts thereof shall be inspected in accordance with ACCA 4 QM...</p> <p><b><u>306.1 Standards:</u></b> ... A list of accepted mechanical system material standards is referenced in Table 1701.0.</p> <p><b><u>317.1 General (in Section 314 – Balancing):</u></b> Heating, ventilating, and air-conditioning systems (including hydronic systems) shall be balanced in accordance with one of the following methods: (2) ACCA Manual B</p> <p><b><u>601.2 Sizing Requirements (in Chapter 16 – DUCT SYSTEMS):</u></b> 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.</p> <p><b><u>1023.1 General (in Chapter 10 – STEAM and HOT WATER BOILERS):</u></b> The Authority Having Jurisdiction shall inspect boilers and pressure vessels operated under permit in accordance with ASHRAE/ACCA 180 at such intervals as deemed necessary, but not less frequently than noted.</p> <p><b><u>1106.1 Human Comfort (in Chapter 11 – REFRIGERATION):</u></b> ... Cooling equipment used for human comfort in dwelling units shall be selected to satisfy the calculated loads determined in accordance with the reference standards in Chapter 17 or other approved methods.</p> <p><b>Chapter 17 Referenced Standards   Table 1701.0 Referenced Standards</b></p> <ul style="list-style-type: none"> <li>- ACCA Manual B-2009</li> <li>- ACCA Manual D-2009</li> <li>- ACCA Manual J-2006</li> <li>- ACCA Manual N-2008</li> <li>- ACCA Manual Q-2003</li> <li>- ACCA 4 QM-2007</li> <li>- ASHRAE/ACCA 180-2008</li> <li>- ASHRAE/ACCA 183-2007</li> </ul>

	Uniform Swimming Pool, Spa, and Hot Tub Code	{2012 USPSHTC §402.1.1} [Manual SPS HVAC Design for Swimming Pools and Spas]	<b>402.1.1 Indoor Pools:</b> Indoor pools shall be located in approved ventilated and conditioned areas. Ventilation rate shall be provided in accordance with ASHRAE 62.1 or equivalent standard. Indoor pool HVAC systems shall comply with ACCA 10 or equivalent.
International Code Council	International Residential Code	{2012 IRC §M1401.3} [Manual J Residential Load Calculation – 8 <sup>th</sup> Ed.]  {2012 IRC §M1401.3} [Manual S Residential Equipment Selection]  {2012 IRC §M1601.1 and §M1602.2 } [Manual D Residential Duct Systems]	<b>M1401.3 Equipment and appliance sizing.</b> 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.  <b>M1601.1 Duct design.</b> Duct systems serving heating, cooling and ventilation equipment shall be installed in accordance with the provisions of this section and ACCA Manual D or other approved methods.  <b>M1602.2 Return air openings.</b> 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	{2012 IECC §R403.7} [Manual J Residential Load Calculation-8 <sup>th</sup> Ed.]  {2012 IECC §R403.7 } [Manual S Residential Equipment Selection]	<b>R403.7 Equipment sizing (Mandatory).</b> Heating and cooling equipment 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.
	International Mechanical Code	{2012 IMC §603.2} [Manual D Residential Duct Systems]	<b>603.2 Duct sizing.</b> 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 <i>Handbook of Fundamentals</i> or other equivalent computation procedure.