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## Memorandum

**Effective:** April 1<sup>st</sup>, 2017

**To:** Contractors, Plumbing Inspectors, Design Professionals & Industry Stakeholders

**From:** Michael DiNorscio, Chief Building Official

**Subject:** Water-Hammer Arrestor Installation

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**AUTHORITY:** Florida Statute 553.775 & Boca Raton Building Regulations Sec.19-57.

**CODE:** Florida Building Code, Plumbing 7<sup>th</sup> Edition (2020) – Chapter 604.9 &  
Florida Building Code, Residential 7<sup>th</sup> Edition (2020) – Chapter P2903.5

**PURPOSE:** To establish minimum acceptable criteria to prevent hydraulic shock to the water supply and distribution piping systems being installed, altered, modified or replaced on new and existing buildings or structures in the City of Boca Raton, Florida.

The Florida Building Code, Plumbing – Section 604.9 and Florida Building Code, Residential – Section P2903.5 both require that flow velocity of water distribution systems be controlled to reduce the possibility of water hammer. The Florida Building Code, Plumbing further states that a water hammer arrestor shall be installed where *quick closing valves* are utilized and that water hammer arrestors shall be installed in accordance with the manufacturer's instructions, including conforming to ASSE 1010. The Florida Building Code, Plumbing defines what a *water-hammer arrestor* is and what its function is "A device utilized to absorb the pressure surge (water hammer) that occurs when water flow is suddenly stopped in a water supply system". The Florida Building Code, Plumbing also defines what a *quick closing valve* is as "A valve or faucet that closes automatically when released manually or that is controlled by a mechanical means for fast action."

Quick closing valves shall also include mixing valve(s) that supply sinks, showers & tubs.