Memorandum

Effective: April 1st, 2017

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

From: John Cosmo, Chief Building Official

Subject: Water-Hammer Arrestor Installation

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


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 values 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 it’s 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.