

MEMORANDUM

DATE: May 3, 2012 (replaces memo dated July 10, 2009)

TO: Approved Third Party Certification Agencies

FROM: Alan D. Greene, P.E.
Chief Building Code Consultant
Manufactured Building Division

RE: Water-Hammer Arrestors
North Carolina State Plumbing Code, 2012 Edition

Questions have arisen regarding compliance with **Section 604.9, Water Hammer, NC Plumbing Code, 2012 Edition.**

Section 604.9 clearly indicates that water-hammer arrestors shall be installed on water supply lines where quick-closing valves (example: clothes washers, dish washers, ice makers) and metallic piping is used. The water hammer arrestor shall not be required on any valves where plastic pipe is used for water distribution piping.

NOTE: On metallic water supply systems, plastic branch lines to serve solenoid valves may not be added to circumvent the requirement for water hammer arrestors.

It appears that some manufacturers, in lieu of installing the arrestors at the plant, desire to include a note on the modular plans that would require installation as a site item. **This is not acceptable.** Any water supply piping installed at the plant must include the water-hammer arrestors when required by **Section 604.9**. If the required arrestor is not installed at the plant, the building is not Code compliant and cannot receive a North Carolina Modular Label.

cc: Joseph H. Sadler, Jr., P.E. --- Deputy Director
C. Patrick Walker, P.E. -- Technical Services Manager
Michael J. Hamm, P.E. -- Building Code Consultant
P. Shane Phelps -- Building Code Consultant

