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## Information Bulletin

Date Issued:	September 25, 2008	Revision Date:	IB # 06-01
Topic:	Connection of Duct Detectors and Engineered Fire Suppression Systems to Fire Sprinkler Monitoring Systems		
Code Section:	CBC, Sec. 904.3.1		
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The Riverside County Fire Department Fire Protection Planning Section (RCoFD) will apply the following requirements to the installation of duct detectors installed to meet the requirements of the 2001 California Mechanical, Sec. 609 (renumbered from the referenced 1998 CMC Sec. 608). These requirements will also be applied to the installation of fixed fire suppression systems (wet agents, dry agent, CO<sub>2</sub>, Halon, clean agent, etc.)

The following information is from formal interpretation #02-021 issued by the California State Fire Marshal's office:

*Q: Is a sprinkler monitoring system considered to be a "fire detection system" or an "alarm system" with reference to Section 608 of the California Mechanical Code (1998)? Are duct detectors required to be connected to these sprinkler monitoring systems?*

*A: No. The sprinkler monitoring requirements are found in Section 904.3.1 of the California Building Code which requires valve monitoring and water flow alarm. It is not intended to require a fire alarm system. However, if a fire alarm system is provided, then both the duct detectors and the automatic fire sprinkler monitoring and fire alarms shall be tied to and be an integral part of the listed and approved fire alarm system.*

1. The interpretation clarifies the intent of sprinkler system monitoring systems relating to duct detection. The scope of the monitoring system, as required by the Building Code, is specific for the purpose of monitoring fire sprinkler systems, therefore, other systems and equipment noted above will not be required to be interconnected.
2. When a fire alarm system is installed in accordance with the current NFPA 72 as required by the California Building and/or Fire Code or an optional installation is provided, the interconnection of fixed fire protection systems and duct detectors will be mandatory.
3. Equipment previously required to be interconnected shall be maintained as such unless written approval is obtained from RCoFD.

Questions regarding specific applications should be directed to RCoFD Fire Protection Planning staff.