

Agenda
Mechanical Board of Appeals and Examiners
Building Services Conference Room
March 12, 2012, 12 noon

Approval of Minutes of Last Meeting

Unfinished Business

1. None

New Business

1. Appeal No. 1-2012. Jon Giles from Innovative Engineering Solutions LLC will request the board review and allow the use of duct mounted smoke detectors at three rooftop units to control the combination fire and smoke dampers mounted in a fire rated shaft. The duct openings in the shafts for consideration are the supply ducts for each rooftop unit. The return duct openings into the shaft are being protected with the provisions of section 606.2.3 Return air risers exceeding 15,000 CFM. The smoke detectors the applicant requesting this board to allow for the control of the supply shaft openings will be located in the return duct as well as the supply duct at or near the rooftop units.

607.5.4.1 Smoke damper. The smoke damper shall close upon actuation of a listed smoke detector or detectors installed in accordance with the International Building Code and one of the following methods, as applicable:

1. Where a damper is installed within a duct, a smoke detector shall be installed in the duct within 5 feet (1524 mm) of the damper with no air outlets or inlets between the detector and the damper. The detector shall be listed for the air velocity, temperature and humidity anticipated at the point.
5. Where a total-coverage smoke detector system is provided within areas served by an HVAC system, dampers shall be permitted to be controlled by the smoke detection system.

Adjournment

Accessibility. Upon request, accommodations for this hearing will be provided for persons with disabilities. Please contact the Planning and Building Services Department office at 367-8670, 48 hours in advance.

For questions concerning this hearing, please call (605) 367-8670 for assistance.