



NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
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## Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

### **MEA 549-06-E**

**Manufacturer:** Vision Systems, Inc., 700 Longwater Drive, Norwell, MA 02061

**Trade Name(s):** VESDA

**Product:** Aspirating smoke detector

**Pertinent Code Section(s):** Subchapter 17, Reference Standard 17

**Prescribed Test(s):** UL 268

**Laboratory:** Underwriters Laboratories, Inc.

**Test Report(s):** UL File S5198, Project 01NK28151, issued March 28, 2002

**Description:** The VLC-600 True Alarm laser compact is a high-sensitivity aspirating smoke-sensor detector which draws air through the air-sampling pipe network via a single air inlet port and is passed through the laser-detection chamber. The VLC-600 is approved to cover a maximum area of 8,000 square feet. The unit operates at 24 VDC and is designed to be used in conjunction with Simplex control panels, 4100/4120/4020.

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections Letter dated November 16, 2006, F.P. Index #0611006.

**Terms and Conditions:** The above-described unit is accepted on condition that:

1. Unit shall not be installed as a primary detector unit in areas that New York City Building Code specifically calls for the installation of ionization and photoelectric smoke detector.
2. All uses, configurations, arrangements and functions, application, installations comply with applicable provisions of New York City Building Code, specifically Subchapter 17, and with Reference Standard 17-3.
3. Installation and spacing of detectors shall be in accordance with the manufacturer's recommendation, NFPA 72 (2002 edition, section 6.16) and UL standard 268.
4. Unit shall be viewed and limited to the operation of a single detector only.
5. When installed in buildings with Fire Alarm System, all troubles and alarms from unit shall be reported to the main fire alarm system and the signal shall latch on at the main fire panel until it is manually reset.
6. Plans for the piping layout and network calculations indicating that the design meets the manufacturer's installation requirements shall be filed with Building Department for approval.
7. Flexible piping or tubing shall not be utilized in the installation.
8. Only approved and/or accepted fire alarm panels shall be used with the installation.
9. Underwriters Laboratories, Inc.'s listing requirements and limitations shall be complied with.
10. Periodic inspection, maintenance procedures and limitations shall be complied with.
11. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the Building Code.

Final Acceptance

December 22, 2006

Examined By

Donald [Signature]