



NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia J. Lancaster, FAIA, Commissioner

Donald Gottfried, P.E.
Director, MEA Division
212.566.3282
212.566.3840 fax
donaldg@buildings.nyc.gov

June 7, 2005

Mr. Tom Kuehnel
Harper International Inc.
1010 Washington Blvd.
Stanford, CT 06901-2202

**Re: MEA 124-05-J
7 World Trade Center
New York, New York
Cla-Val Automatic Breach Control Valves
Model Number 85-09**

Dear Mr. Kuehnel:

This is to inform you that the above automatic breach control valves equipment as manufactured by Cla-Val Company, to be installed at the above referenced location has been granted one-job equipment acceptance (MEA 124-05-J) based on the laboratory reports, plans, etc. submitted by Tom Kuehnel.

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 letters dated June 2, 2005, F.P. Index No. 0504043A, attached.

This MEA job approval is limited to the above equipment only at this specified site on condition that all uses, locations and installations shall comply with the New York City Building Code, Fire Code and the New York City Electrical Code and on further condition that:

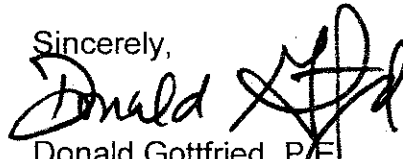
1. This conditional approval is for a period of **one year** from the date of installation of these valves. Upon expiration of this conditional approval, if the applicant desires an extension of time, it shall be necessary for the applicant to re-submit a new site-specific application, which shall be subject to further evaluation and review. Such application must include an independent laboratory test report indicating that the above referenced products meet the requirements of an appropriate nationally recognized standard. If no extension of approval is granted, these valves shall be removed or kept open permanently by disabling all control functions. Upon removal or disabling of these valves, the Fire Department shall be notified in writing and shall be subject to inspection to verify the same.

Mr. Tom Kuehnel
Harper International Inc.
June 7, 2005

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2. The applicant shall submit to the Fire Department an as-built drawing for the water suppression system indicating the specific locations in the system where these valves are installed.
3. Installation and performance of these valves shall be such that the valves shall operate from 0 to 150% of the design flow, allow the valve to pass 100% of flow and the valves shall close tight at 150% of the flow. Field test reports shall be submitted to this Department to verify the same.
4. Valves shall be continuously monitored for tampering and valve operation and shall be connection to the building fire alarm system. Tampering or operation of the valve shall transmit an "alarm signal" to a central station monitoring company approved by the Fire Department. Restoration of valve to normal conditions shall clear the signal and reset the fire alarm panel. Transmission of three or more unwanted alarms in a six-month period shall revoke this conditional approval immediately.
5. Valves shall be inspected monthly as per testing procedure outlined in the manufacturer's installation manual and records of such testing shall be kept on premise for the Fire Department inspection.
6. Valves shall be installed at locations that are easily accessible for testing, maintenance, and inspection.
7. Proper training shall be provided for FDNY personnel to familiarize the installation and functions of these valves.
8. All use, installation and testing shall also comply with all applicable provisions of New York City Building Code, specifically Subchapter 17 and Reference Standards 17-1. Further, the manufacturer's installation procedures and limitations shall also be complied with.

Sincerely,


Donald Gottfried, P.E.
Director, MEA Division

DG/js

- c: Fatma Amer, P.E., Acting Deputy Commissioner
Laura Osorio, R.A., Borough Commissioner – Manhattan
Howard Hill, Assistant Bureau Chief, FDNY
Robert Benazzi, JB&B, 80 Pine Street, NY, NY 10005

124-05



FIRE DEPARTMENT

9 METROTECH CENTER

BROOKLYN, N.Y. 11201-3857

NYC DEPT OF BUILDINGS
TECHNICAL AFFAIRS
RECEIVED
2005 JUN -7 A 9:25

Fatma Amer, P.E.
Acting Deputy Commissioner
NYC Department of Buildings
280 Broadway
New York, NY 10007

June 2, 2005

Re: Site Specific MEA Approval
Location: 7 World Trade Center
Product: Automatic Breach Control Valve
Manufacturer: Harper International Inc.
Model #: CLA-VAL #85-09
F.P. Index #: 0504043A

Dear Commissioner Amer:

We have reviewed the supporting documentation concerning the above referenced site specific (7 World Center) MEA application. The above referenced products are intended to be installed in water fire suppression systems and are designed to protect roof top reservoirs from water loss caused by failure of a standpipe riser. These valves will be always open under normal conditions and designed to close when standpipe flow rate exceeds design maximum by 50% over normal flow.

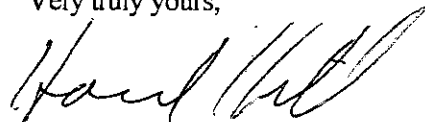
Based on the documents/reports submitted by the applicant and your letter of no objection dated September 28, 2004, please be advised that the we have no objection to the Department of Buildings considering a conditional site-specific approval of the above referenced products to be installed in 7 World Trade Center Building under the following conditions:

1. This conditional approval is for a period of **one year** from the date of installation of these valves. Upon expiration of this conditional approval, if the applicant desires an extension of time, it shall be necessary for the applicant to re-submit a new site-specific application which shall be subject to further evaluation and review. Such application must include an independent laboratory test report indicating that the above referenced products meet the requirements of an appropriate nationally recognized standard. If no extension of approval is granted, these valves shall be removed or kept open permanently by disabling all control functions. Upon removal or disabling of these valves, the Fire Department shall be notified in writing and shall be subject to inspection to verify the same.
2. The applicant shall submit to the Fire Department an as-built drawing for the water suppression system indicating the specific locations in the system where these valves are installed.
3. Installation and performance of these valves shall be such that the valves shall operate from 0 to 150% of the design flow, allow the valve to pass 100% of flow and the valves shall close tight at 150% of the flow. Field test reports shall be submitted to this Department to verify the same.

4. Valves shall be continuously monitored for tampering and valve operation and shall be connected to the building fire alarm system. Tampering or operation of the valve shall transmit an "alarm signal" to a central station monitoring company approved by the Fire Department. Restoration of valve to normal conditions shall clear the signal and reset the fire alarm panel. Transmission of three or more unwarranted alarms in a six month period shall revoke this conditional approval immediately.
5. Valves shall be inspected monthly as per testing procedure outlined in the manufacturer's installation manual and records of such testing shall be kept on premise for the Fire Department inspection.
6. Valves shall be installed at locations that are easily accessible for testing, maintenance and inspection.
7. Proper training shall be provided for FDNY personnel to familiarize the installation and functions of these valves.
8. All use, installation and testing shall also comply with all applicable provisions of New York City Building Code, specifically subchapter 17 and Reference Standards 17-1. Further, the manufacturer's installation procedures and limitations shall also be complied with.

Please note that when responding to this Department regarding this subject matter, kindly refer to F.P. Index #0504043A and direct all telephone inquiries to Tamara Saakian, P.E. at (718) 999-2375.

Very truly yours,



Howard Hill
Assistant Bureau Chief
Bureau of Fire Prevention

c: Tamara Saakian, P.E., Director, Tech. Mgmt.
Donald Gottfried, P.E., Director, MEA
Tom Kuehnel, Harper International Inc.