



NYC Department of Buildings
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Materials and Equipment Acceptance
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BRENT MLIKA, ELECTRICAL ENGINEERING
FIKE CORPORATION
704 SOUTH 10TH STREET
BLUE SPRINGS, MO 64015

DATE: January 26, 2006

Dear Applicant:

Enclosed is a final official signed copy of MEA acceptance of your product, **MEA 307-05-E**, which you may use as proof of your product acceptance in New York City.

This document together with proper labeling and installation in accordance with New York City Building Code will enable the inspector to know that the product installed is legal.

All shipments and deliveries of accepted materials to the job site are required to be labeled or tagged in accordance with the format below:

Accepted For Use
City of New York
Department of Buildings
MEA 307-05-E

Company Name

Very truly yours,

A handwritten signature in black ink that reads "Donald" followed by a stylized monogram.

Donald Gottfried, P.E.
Director
Materials and Equipment Acceptance

C: Deborah F. Taylor, AIA, LEED AP
Executive Director, Special Projects and MEA



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
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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 307-05-E

Manufacturer: Fike Corporation, 704 South 10th Street, Blue Springs, MO 64015.

Trade Name(s): Cheetah Xi

Product: Fire Alarm/Suppression Equipment

Pertinent Code Section(s): Reference Standard RS 17 and Subchapter 17.

Test(s): UL 864 9th Edition

Laboratories: Underwriters Laboratories, Inc.; Factory Mutual.

Test Report(s): UL File S2203, Project 04NK09238 issued October 27, 2004, revised July 8, 2005. UL letter dated November 28, 2005.

Description – Fike's new Cheetah Xi (10-068) Suppression control system is a digital, peer-to-peer, bi-directional communication system, revolutionary in its speed, intelligence and flexibility. The Cheetah Xi is ideal for all life safety and property protection applications, it is intended for both commercial and industrial use. The Cheetah Xi cuts alarm response time to as little as one-quarter second. Unit has 2, 24 VDC, 2 A bell circuits with System Sensor or Gentex Synch protocol. Unit has 254 user defined zones. Unit has one person Walktest capability. Cheetah Xi has 80 Character (4x20) Backlit LCD display and 10 Status LEDs to easily identify system status. Optional point ID DACT module available. 6 amps useable alarm power with expandable to 12 amps (2A standby/ Expandable to 4).

Operation from 120vac/60 Hz or 240vac/ 50 Hz. 3, 24 VDC, 2A Aux power outputs 2 continuous 1 re-settable. 2 SLC loops, expandable to 4, NFPA Style 4 or 6. 254 devices per loop, system maximum 1016 devices with SLM(Supplemental loop module). Drill function at panel or remote. Supports up to 31 peripheral devices such as Remote Display, LED Graphic and Zone Annunciators.

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 December 7, 2005, F.P. Index No. 0508065A.

Terms and Conditions: That the above units are accepted on condition that:

1. All uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Building Code, specifically Subchapter 17, and Reference Standards 17-3, 17-3A, 17-3B, 17-3C, and 17-5. Further, the installation shall be in accordance with the manufacturer's recommendations, NFPA 72, and UL Standards.
2. The above referenced fire suppression control unit must provide for a fail-safe operation. This feature must assure that control of doors, locks, ventilation fans, and elevator recall will not be rendered inoperable in the event of a fire or power failure.
3. The above referenced control unit must be installed with compatible and approved/accepted appliances that can generate three pulse temporal pattern signal (ANSI S3.41 signal) or other evacuation signal as required by Fire Department.
4. The control unit when used with central office communicator/transmitter (DACT part #10-2476), the installation and operation of the equipment and devices shall comply with 3RCNY §17-01. It shall have the capability of transmitting separate and distinct signals to indicate manual pull station alarm, automatic detection alarm, sprinkler waterflow alarm, supervisory signal indications and trouble indications.
5. The connection of security/burglar devices and equipment to the fire alarm control unit is prohibited. A sign must be provided to indicate same.
6. Installation of pre-recorded evacuation messages in the fire alarm control unit would require a prior approval from the Department.
7. The Remote Display (Part #10-2321) is acceptable under the condition that all controls of fire alarm shall be removed from this unit except the "ACKNOWLEDGE" function.
8. Only enclosures (Part #10-2541) painted red in color shall be used.

9. When the control unit is used for CO₂ releasing applications, the following shall be complied with:
- a. All safety precautions stating in NFPA 12 shall be strictly followed.
 - b. Provide signs at every entrance to protected space as follows:

WARNING: DO NOT ENTER THE PROTECTED PREMISE SPACE UNLESS PHYSICAL LOCKOUT OR OTHER SAFETY PROCEDURES ARE FULLY COMPLETED. DO NOT USE SOFTWARE DISABLE FUNCTIONS IN THE PANEL AS LOCKOUT.

10. The above referenced fire alarm equipment shall be used only with listed and approved/accepted devices and accessories with which the compatibility has been determined to be acceptable by the Engineer of Record or a UL test report.

Please note that voice evacuation system Model FGX-MP/DP is multiple listed under Fike Corporation. Original listing and MEA acceptance is for Model HMX-MP/DP manufactured by Evax Systems. Installation of this product shall be in accordance with the requirements of original MEA acceptance #277-96-E Vol. II, of which a copy is attached.

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 accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance

January 26, 2006

Examined by

Donald [Signature]

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of the Material and Equipment Acceptance (MEA) Division.

Satish K. Babbar, R.A., Acting Commissioner
MEA 277-96-E Vol. III

Report of Material and Equipment Acceptance Division

Manufacturer - EVAX Systems, 33 Chestnut Street, New Haven, CT 06511.

Trade Name - EVAX Systems, Gamewell Company.

Product - Fire alarm audio adjunct system.

Pertinent Code Sections - Reference Standard RS 17-3 through 17-3C, ANSI/NFPA 72.

Prescribed Tests - UL 864, UL 1711.

Laboratory - Underwriters Laboratories Inc.

Test Reports - UL File S5661, Project 99NK40818, issued May 24, 2000, revised August 3, 2000, and UL letter dated October 23, 2000. ML File No. S521, issued September 18, 1998 and revised December 2, 2000.

Description - The HMX-MP and -DP form an audio adjunct system that can be interconnected to a fire alarm control panel via dry relay contacts to form a fire command station.

A microphone is provided on the HMX-MP. Audio signals are converted to digital and transmitted to the HMX-DP. This digital signal in the -DP is amplified by the EVX-25 or -50. The audio is then converted back to analog and passed through the MBR and out to the speakers. The various control unit models differ in the following matter: The HMX-MP is the master panel in the system, while the DP is the distributed panel. Each system is modular in construction. The system is appropriate for use in coded and non-coded, hi-rise and lo-rise applications. Multiple listing is as follows:

Basically listed for EVAX Model No.	Description	Multiple Listee Gamewell Model No.
HMX-MP	Master Panel	GV-MP
HMX-DP	Distributed Panel	GV-DP
PWR-2A	Power Supply	GV-PWR-2A
MFP	Master Fire Phone Card	GV-MFP
DCC	Data Communications Control Card	GV-DCC
ASC	Audio System Control Card	GV-ASC
SSC	Switch Scan Card	GV-SSC
MMC	Microphone Master Control Card	GV-MMC
IOI	Input/Output Card	GV-IOI
SLC	Switch and LED Card	GV-SLC
MFH	Master Fire Phone Handset Card	GV-MFH
MBR	Motherboard Card	GV-MBR
AMI	Audio Module Interface Card	GV-AMI
FPI	Fire Phone Interface Card	GV-FPI
MBK	Motherboard/Relay Card	GV-MBK
EVX-25	25 Watt Amplifier (MEA 277-96-E Vol. II)	N/A.
EVX-50	50 Watt Amplifier (MEA 277-96-E Vol. II)	N/A.

Pursuant to "Promulgation of the Rules relating to Materials and Equipment Application Procedures" dated November 5, 1992. The Bureau of Fire Prevention has no objections October 5, 2001, F.P. Index #0109022.

Recommendations - That the above units be accepted on condition that all uses, configurations, arrangements and functions, locations and installations comply with the New York City Building Code, specifically subchapter 17 and with Reference Standards RS 17-3 through RS 17-3c, NFPA 72, UL 864 Standard, manufacturer's instructions, Fire Department Rules and the Electrical Code of the City of New York, and on further condition that:

- (a) The use, installation and application of the EVX-25 systems, when used with Prerecorded voice messages, shall be restricted exclusively to connection with a BSA/MEA approved compatible Class E, Class J or Class C systems.
- (b) The Fire Command Station or Control Panel shall have the capability of manually overriding any functions of the EVX-25 and EVX-50 systems.
- (c) Prior to the installation of the Digital Recorded Automatic Voice Evacuation Message with the EVX-25 and EVX-50 systems, a specific approval for a specific installation must be from the Fire Department.
- (d) A priority voice message matrix must be submitted to the Fire Department for approval before the installation is performed and shall include the following information:
 - 1. the duration of each message;
 - 2. the content of each message;
 - 3. the duration of the audible and visual alarm signals prior to the initiation of the subsequent prerecorded message transmission;
 - 4. the interval between the cessation of the audible and visual alarm signals and the generation of the prerecorded message.
- (e) Power supply wiring to the EVX-25 and EVX-50 shall be installed in the same conduit containing the input and output wiring.

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 for in section 27-131 of the Building Code.

Final Acceptance November 29, 2001

Examined by Mark Jacoby