

**CITY OF PORTSMOUTH**  
Department of Public Works

**MUNICIPAL COMPLEX FIRE ALARM**

**Bid #56-09**

**Addendum #1**

This Addendum forms part of the original document marked Bid #56-09 MUNICIPAL COMPLEX FIRE ALARM.

Device counts have been clarified from Prebid meeting. Bidders are instructed to remove SECTION 283100 from the Technical Specifications and replace with attached SECTION 283100 REVISED 6/12/09.

Please acknowledge receipt of this Addendum within your proposal. Failure to do so may subject a vendor for disqualification.

PRE BID MEETING Attendees

Company Name	Name and email address	Phone	Fax
Martinez Electrical Contractors	Jason Barrows	742-0677	742-5039
	Service@MartinezElectrical.com		
Corporate Electric and Alarms	Mark Gauthier	978-449-8689	978-265-1966
	Mgauthier@Corporatelocal.com		
EAST COAST SECURITY & FIRE	MARK DUFOUR SR	800 639 2086	603-894-4324
	MARKD5R@elss.com		
Scaroni Electric	Tom Ferland	332-5011	332-5066
	Tomescaroni.electric.com		
Scaroni Electric	Steve Scaroni	332-5011	332-5066
	Steve@ScaroniElectric.com		
RECCO	Bruce Yelle	964-7700	964-5890
	byello@gorelco.com		
Interstate Electrical	Paul Brennan		
	pbrennan@iesct.com	627 3230	627 3480

PRE BID MEETING Attendees

Company Name	Name and email address	Phone	Fax
Gerard A. LaFlamme Inc.	Don Mendelsohn	603 432 0878	603 437 3820
	J. Mendelsohn @ galaflammeinc.com		
Mark Gemas R.B. Allen Co.	Mark Gemas		
	MARK GEMAS @ R.B. ALLEN CO.	603 764 8110	964 8885
Mike Regan	Mike Regan		
	Doreen Johnson @ consultant	603 433 2381	603 436 6001
Michael Regan Electric Co.	Anthony Randazzo		
	arandazzo@simplexgrinnell.com	603 581 1137	603 586 6064
All Points Systems	Bruce W. Garner		
	Brian L @ See Coast Security.com	603 433 8864	603 435 5570
American Alarm	Julie Ostrochuk		
	Julie @ americanalarm.com	603 296 3851	603 647 0022
Norris Inc	Carl Perry		
	Carl @ norrisinc.com	603 570 3473	603 431 2397

**PRE BID MEETING Attendees**

Company Name	Name and email address	Phone	Fax
Daniels Electric Corp.	Tom Mulligan	603 293 4767	603 293 7567
	tmulligan@danielselectriccorp.com		
	Wayne Mulligan		
Tri State Fire	Wayne@faciso.net	603-387-9020	866-899-1985

REVISED 06/12/09

**SECTION 283100 - FIRE DETECTION AND ALARM**

## PART 1 - GENERAL

## 1.1 SECTION REQUIREMENTS

- A. System Description: Noncoded, conventional, hardwired, zoned, 24-V dc loop system.
  - 1. Initiating Device Circuits: NFPA 72, Class B, Style B.
  - 2. Notification Appliance Circuits: NFPA 72, Class B, Style Y.
- B. Submittals: Product Data and system operating description.
- C. Submittals to Authorities Having Jurisdiction: In addition to distribution requirements for submittals, make an identical submittal to authorities having jurisdiction. To facilitate review, include copies of annotated Contract Drawings as needed to depict component locations.
- D. Comply with NFPA 72.
- E. UL listed and labeled.
- F. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- G. Compatibility: **New system will be compatible with Police Department access security system.**

## PART 2 - PRODUCTS

## 2.1 FIRE ALARM CONTROL PANEL

- A. General: Modular, power-limited design with electronic modules, UL 864 listed.
- B. Basis of design: **GE iO500 Intelligent Life Safety System**
- C. Transmission to Remote Alarm Receiving Station: Automatically transmit alarm, trouble, and supervisory signals to a remote alarm station through a digital alarm communicator transmitter and telephone lines.
- D. Secondary Power: 24-V dc sealed lead calcium batteries supply system with :
  - 1. Automatic battery charger
  - 2. Automatic transfer switch
  - 3. 60 hour battery standby.

## 2.2 ALARM-INDICATING DEVICES

- A. No horns or strobes will be replaced.

## 2.3 ALARM-INITIATING DEVICES

- A. Manual Pull Stations: UL 38 listed, double-action mechanism, red in color with molded, raised-letter operating instructions in contracting color. Basis of design: **GE SIGA-270**
  - 1. Quantity: 35 each
- B. Smoke Detectors:
  - 1. UL 268, 24-V dc, self-restoring, photoelectric type, plug-in arrangement. Basis of design: **GE SIGA PS**. Quantity: 76 each.

**REVISED 06/12/09**

- 2. Duct smoke detectors: **GE SIGA DH**. Quantity: eight (8) each.
  - C. Heat Detectors: UL 521 listed, combination **135 deg F (57 deg C)** fixed-temperature and rate-of-rise unit. Basis of design: **GE SIGA HFS**.
    - 1. Quantity: 1 each
  - D. Accessories:
    - 1. Eight (8) each elevator relays.
    - 2. Twenty three (23) each Monitor modules
- 2.4 ANNUNCIATOR
- A. Basis of design: **GE R Series** remote annunciator.
- 2.5 EXTRA PARTS
- A. Provide the following extra parts at delivery of project:
    - 1. Twelve (12) each smoke detectors.
    - 2. One (1) each heat detector.

**PART 3 - EXECUTION**

**3.1 INSTALLATION**

- A. Install and test systems according to NFPA 72 and manufacturer's directions. Comply with NECA 1.
- B. Wiring Method: Use existing wiring
- C. Ground the FACP and associated circuits; comply with IEEE 1100. Install a ground wire from main service ground to the FACP.

**3.2 TRAINING**

- A. Contractor training of Owners staff on the new system to include the following tasks:
  - 1. Initiate and reset alarms for fire drill exercises.
  - 2. Reset pull stations.
  - 3. Make voice announcements (if applicable).
  - 4. Reset false alarms after confirmed by the appropriate authority.
  - 5. Reset smoke evacuation systems where applicable.
  - 6. Log all repairs and incidents in the system logbook.
  - 7. Clean, reinstall and or swap dirty detector heads only (not bases).
  - 8. Replace and date batteries.
  - 9. Reinstall whole damaged detectors and bases.
  - 10. Check for system shorts or lightning damage.
  - 11. Read system LED display and address maps to identify device and location. Any discrepancies discovered to be noted and forwarded for appropriate program update.

END OF SECTION 283100