

## **PART 1 GENERAL**

### 1.01 Quality Assurance

#### A. Fire Alarm Contractor Qualifications:

- 1 The Fire Alarm contractor shall be an Edwards Systems Technology (EST) or Notifier (with emergency voice evacuation) designated representative and authorized to sell, install, and service EST or Notifier (with emergency voice evacuation) equipment.. The contractor shall have a minimum of 2 factory trained and certified technicians for the system proposed.
- 2 Equipment furnished shall be of current manufacture.

Installation Inspection Form to the SHSU Fire System Safety Specialist (FSSS) & AHJ at the following intervals:

- 1 At the completion of the device back-box installation but prior to the start of cable installation;
- 2 At the completion of cable installation but prior to the start of device installation; and
- 3 At the completion of device installation but prior to activating the fire alarm system.
- 4 Final acceptance

#### D. Software and Database Information:

- 1 Proposed point numbers.
- 2 Labels of all addressable devices.
- 3 English action messages.
- 4 Add Programming rules, Equations, with comments listed.
- 5 Send a copy F.P.E.)

Texas.

es shall be noted on the fire alarm submittals

## **PART 2 PRODUCTS**

### 2.01 Fire Alarm Control Units (FACU)

- A. Acceptable Manufacturers models **Edwards EST3** or **Notifier (with emergency voice evacuation)**. Small buildings may be permitted to install other Edwards or Universal Technology Corp. models, subject to approval by Facilities Services.
1. All Fire Alarm System components shall be keyed alike.
  2. All initiating devices shall be Edwards System Technology (EST) or Notifier (with emergency voice evacuation).
- B. TERMINAL BOX are NOT allowed, system should be designed and installed panel to device and device to device.
- C. Legibly mark each cable or wire at each FACP and BPS with labeling tool. All Labels must include both source and destination at each end of the cable or wire.
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3.01 Signaling Line Circuits (SLC)

- A. All the following devices/appliances shall be individually addressed on the SLC:
- B. SLC shall be monitored at a level of Class B.

3.02 Initiating Device Circuits (IDC) are not acceptable in occupied buildings.

3.03 Notification Appliance Circuits (NAC)

- A. All Notification Appliance Circuits (NACs) shall be monitored at a level of Class B.
- B. Direct current notification appliance power provided from a distributed power supply shall be controlled by a digital addressable control device on the SLC.

3.04 Voice Alarm Notification

- A. Provide speakers for annunciation of voice messages. Signals generated shall be the Distinctive Evacuation Signal (three-pulse temporal pattern) alternated with the custom message.
- B. Audible message required for voice evacuation shall be pre-programmed or upon approval of the SHSU FSSS & AHJ recorded as specified by SHSU.
- C. Digitized audible evacuation messages shall sound once and shall be preceded by a minimum of two cycles of the three pulse temporal pattern emergency evacuation signal.
- D.



**SAM HOUSTON STATE UNIVERSITY  
DIVISION 28 FIRE ALARMS  
DESIGN AND CONSTRUCTION STANDARDS**

**283000 FIRE ALARM**

- B. Factory training if necessary at the expense of the Fire alarm contractor for two SHSU FSSS Personnel is required for the installed system. Expenses shall include all travel, hotel, meals, training and training materials.

#### 6.03 Supervising Station Programming

- A. Upon completion of the fire alarm system and the final acceptance test, the contractor shall program the new building alarm system into the University's central monitoring station (UTC Fireworks).
- B. The programming shall be coordinated with and supervised by SHSU FSSS.
- C. A signal verification test shall be conducted to verify communication between the FACU and the central monitoring station (UTC Fireworks).

END OF STANDARD