PART 1 GENERAL

1.01 Quality Assurance

A. Fire Alarm Contractor Qualifications:

1 The Fire Alarm contractor shall be an Edwards Systems Technology (EST) designated representative and authorized to sell, install, and service EST 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.

B. System Installer

1. SHSU requires the installers be direct employees of the fire alarm company awarded the fire alarm contract. No third party sub-contractors shall be allowed.

C. The fire alarm contractor shall provide the Texas Insurance Code Fire Alarm System Installation Inspection Form to the SHSU 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 Equations, with documents listed.

5 Send a copy to FSS & PMCS Project Support Fire Protection Engineer.

E. The submittal package shall be signed by the State of Texas Fire Alarm Planning Superintendent (NICET III) or signed and sealed by a Professional Engineer (F.P.E.) registered in Fire Protection in the State of Texas.

1. All Code deficiencies and/or variances shall be noted on the fire alarm submittals and/or drawings.

PART 2 PRODUCTS

2.01 Fire Alarm Control Units (FACU)

A. Acceptable Manufacturers models **Edwards EST3. ESd/TT0 1 Tf -0.004( )Tj (20176.02.24 450.96**

PART 3 INTERCONNECTION AND OPERATION

3.01 Signaling Line Circuits (SLC)

A. All the following devices/appliances shall be individually addressed on the SLC:

3.02 Initiating Device Circuits (IDC) are not acceptable

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. All field speakers shall be compatible with 70 volt existing system

E. No Banked Audio

3.05 Wiring

A. All wiring shall be run square and plum to building structure. All plenum rated wiring not run in conduit shall utilize a manufactured wiring management system.

B. All system wiring shall be color coded in accordance with the following:

1. Exposed Fire Alarm System wiring shall not be painted over
2. All wiring shall be RED.

PART 4 SPECIAL CONDITIONS

4.01 General

A. It is the responsibility of the Contractor to assure that there is no disruption of the University's normal functions during construction such as studying, testing, class, research or administration.

(g146-i)- (719h)3.9 (a 7.6 ((b)-100.4 (]TJ -0.3.6 (t)H.4 0.8S24 0 (00.4 (i)-w).2 (C (ff)3 nWSU)4 (5 (

4.02 Connecting to or Modifying Existing Systems

A. Operating, modifying, and connecting to existing fire alarm systems shall be supervised and/or coordinated by the SHSU Fire Safety Systems Shop (FSSS) staff. Documentation indicating all changes shall be provided at the FACU before the changes are made.

B.2(t)-3.2 aTd [(B.2(tn-4.6 (0)-PBt)-3.3 nWSU)4 ((s)3.5 (/MCID 3 >>4 (0.22N0 (dPBt)-3.3 nWS(

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.

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.

END OF STANDARD