SAM HOUSTON STATE UNIVERSITY
DIVISION 28 ELEC. SECURITY & SAFETY   **SECTION 281300 – ACCESS CONTROL**
DESIGN AND CONSTRUCTION STANDARDS   February, 2023

Card Access Control Specifications

1.0   Qualifications

1.01   Vendors must be pre-qualified for card access on the SHSU campus. No 3rd party installations permitted.

2.0   General Requirements and Notes

2.00   SHSU requires that all exterior doors for public access (including each operable leaf) have active electronic card access monitoring and scheduling for door lock/unlock. Monitoring to include ALL exterior openings to include, operable windows, balcony doors, mechanical room doors, roll up doors, roof access doors, and roof access/hatches. No Exceptions.

2.01   Access Services or Residents Life reserve the right to approve or reject final design and/or scope of work for access control on any structures new or existing.

3.0   Base Specifications

3.01   The system must fully and completely integrate with the most current version of CCURE 9000 door access system purchased from Software House/Tyco Electronic Product Group.

4.0   Standardized Hardware

4.00   The following hardware is specified hardware for access control integrations. No substitutions are allowed.

4.01   Controllers
iSTAR Intelligent Network Controllers

ISTAR002 iSTAR Edge – 2-reader controller

ISTAR004 iSTAR Edge – 4-reader controller

ISTAR ULTRA – 16 READER CONTROLLER

4.02   **Readers**

Schlage MTM S15 Card Reader/ Multi-tech and mag reader track 3

RESI LIFE REQUIRES = SOFTWARE HOUSE   RM4/RM1 READERS

4.03   **Exit Devices (Mechanical)**
Von Duprin 98/99 Series QEL
Not used in Resi Life Buildings

4.04   **Electric Strikes**

Von Duprin Series 6000 24 Volt
HES 1006 Strike
HES 9600 RIM Strike or HES 9500 RIM for fire rated applications

4.05   **Electric Power Transfer**
Von Duprin
EPT-10 or EPT-10con

Armored cable door loops – used on pivot hinge doors in place of GVUX power transfer.

Alarm Lock AL271
Keedex K-DLA12

4.06   **Power Supplies and Batteries**
Altronix AL600 Series Power Supplies
Altronix Batteries
Base Electronics LVPC201144-24 - 8 Door Power Distribution Enclosure with Aux
Power Output for auxillary door components (REX motion detector, sounders, etc.)
Base Electronics LVPC201181-24 - 16 Door Power Distribution Enclosure with Aux
Power Output for auxillary door components (REX motion detector, sounders, etc.)

Von Duprin PS914 to include 900 battery back-up kit and an additional 900 2RS 2 relay
EL panic device control board.

4.07   **Relays**
Altronix Relay
Altronix 6062 – Time delay relay (for ADA doors.)
IDEC
IDEC RHU1B and RHU2B Relays (in Base Power Distribution Enclosures)

4.09   **Request to Exit (REX)** Request to exit

Rex Switches are preferred of motion detectors. Motion detectors to be used as last resort.

Detection Systems :   *BOSCH* DS 150i Request to Exit Motion Detector

No Rex switches in Residence Halls. Use only motion detectors.

4.10   **Cabling:** *Composite Cabling*

658AFJ Belden or equivalent

4.11   **Personality Module and Housing**
RM4 Reader Module

4.12   **Door Switches**

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