

ADDENDUM NO. 1

EASTERN OREGON UNIVERSITY Integrated Services Building- S2 Access Control System ITB #FP-2021-10

This addendum revises the 28 1323 Security and Access Control Specifications, issues images referenced on the cable pathways drawings, and provides clarifications to questions received from bidders.

Addendum No. 1 to the Plans, Specifications, and Contract Documents are hereby submitted for use in bid preparation and submittal.

The following changes, additions, and/or deletions are hereby made as part of the Eastern Oregon University Integrated Services Building- S2 Access Control System, as fully and completely as if the same were entirely set forth in the Plans, Specifications, and Contract Documents, Changes and additions are noted in underlined italics, deletions are noted in ~~strike through~~.

Specifications

28 1323 Security and Access Control System

Part 2 Products 1.g.4 Must integrate with ~~Genetec~~ S2 security Software

Pre Bid Clarifications

Question	Will cabling be provided by others, or will cabling need to be included in proposal?
Response	Cabling not provided by others, include in your proposal.
Question	Are the doors already equipped with electrified locking hardware or will the new hardware be part of the proposal?
Response	Provide electrical locking hardware as part of proposal.
Question	The plans and specifications mention wireless locks. Is wireless the preference or should wireless only be used in areas where cabling will be difficult/not possible?
Response	Wireless is included as an option were cable pathways would be intrusive or difficult
Question	Is there a pre-bid walkthrough scheduled? If not, can one be arranged?
Response	A pre-bid walk is not schedule but can be arranged by contacting David Moore: dnmoore@eou.edu

ATTACHMENTS

Attachment 1 – Revised 281323 Security and Access Control System Specification

Attachment 2 – Images for cable pathway plan

The bidder shall acknowledge this addendum on the bid proposal.

28 1323 SECURITY AND ACCESS CONTROL SYSTEM

PART 1 GENERAL

1. DESIGN REQUIREMENTS

- a) Specify a complete access control system with alarm monitoring and relay control, and shall include design, installation, equipment, wiring, materials, accessories, software, programming, documentation, testing, training, and miscellaneous items required for a complete and operational system. Electric door strikes are specified in Division 8.
- b) Final equipment locations to be approved by the Architect and Owner prior to installation.

2. QUALIFICATIONS

- a) The contractor shall have successfully installed similar access-control systems on previous projects of comparable size and complexity.
- b) The contractor is responsible for retaining qualified and approved representatives of the system manufacturer specified for detailed system design and documentation, coordination of installation, and final system testing.

3. SYSTEM DESCRIPTION

- a) Overview: The system shall consist of a door access control system with software, readers, request to exit sensors, controllers, connections to door hardware (wired or wireless), wire, boxes, and all other components required to provide a complete and operational system.

- b) Functions: At a minimum, provide the following functions.

Security and Rights: Administrator defined user-names, passwords, and user level administration.

- 1. User Interface: Window based, menu-driven access to system functions and system parameters.
- 2. Access Control Cards: System data entry for card/fob activation/deactivation, tracking, and anti-passback.
- 3. Holidays, Time Zones, DST: System shall allow the definition of holidays, time zones, and automatic daylight savings time updates.
- 4. Duress Codes: System shall allow configuration and use of duress codes.

Attachment 1

5. Alarms: Software shall provide for alarm management capabilities.
6. Door and Reader Settings: System and software shall be capable of permitting readers to support basic reader access modes, including unlimited access, exit only, no entrance access, disabled, access on valid facility code, and others as defined by Owner.
7. Monitor and Control Points: System shall set monitor and output points to allow complete control and monitoring of connected facilities.
8. Elevators: System shall accommodate access control at elevators including emergency bypass operations.

4. MAINTENANCE

- a) System Software Support: The system software manufacturer shall offer 24-hour, 7-day support availability to diagnose problems with the system software as they are encountered by the user during the warranty period.
- b) On-Line System Diagnostics: The system shall provide the capability of running diagnostic software and performance monitoring tools for the purpose of determining the source of a fault in the system hardware or tuning the performance of the system software.

PART 2 PRODUCTS

1. ACCESS CONTROL EQUIPMENT

- a. Server Computer and Client Computer shall be provided by the Owner.
- b. Readers: Schlage Multi-technology (Proximity, Smart, and Mobile) or approved equal.
 1. Models:
 - a) Schlage MT11 or MT15
 - b) Keypad capable reader: Schlage MTK15
 - c) Integrated lock reader - Schlage NDE
 - d) Modular lock reader - Schlage AD-400 (Multi-Tech)

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c. Request-to-Exit Motion Detector:

1. Detection Systems DS150, DS151, or approved equal.
2. Passive infrared with form-C contacts rated at 1A. Unit shall be self-latching with a user definable latch duration of 2 to 60 seconds.
3. Provide masking wedges on single door detectors to mask outer zones.
4. Double doors shall be equipped with two detectors (one centered on each door). It shall not be possible to insert an object through any door gap to falsely trip a detector.

d. Control Interfaces:

1. Provide controllers, reader boards, and MUX boards as required for the operation of the system and controls.

e. Power Supplies:

1. All power supplies shall be rated for 100 percent duty cycle.
2. Class 2 power supplies shall be sized and provided in quantities such that under no condition shall any power supply exceed 60 percent of its rated amperage output. These calculations shall include the simultaneous operation of all doors connected to the power supply. The use of Class 1 power supplies is prohibited.
3. Coordinate voltage and noise susceptibility with equipment to be powered.

f. Wire and Cable:

1. As required to meet local codes and as recommended by the manufacturer.
2. All alarm circuit field wiring shall be #18 AWG stranded.
3. Door control field wiring shall be sized to provide sufficient ampacity to provide the voltage required by the door lock or strike manufacturer at the door taking into account the voltage drop of the cable and the power supply voltage tolerances of the power supplies. Under no circumstances shall the door control conductors be less than #16 gauge.

- g. Door Controllers:
 - 1. Synergis Cloud Link.
 - 2. Mercury controllers: LP2500, MR52, LP1501, and others as approved by Owner.
 - 3. Schlage wireless lock controllers: PIM-400 and ENGAGE Gateway
 - 4. Must integrate with ~~Genetec~~ S2 security software

2. SECURITY EQUIPMENT

PART 3 EXECUTION

1. INSTALLATION

- a. The access control/security system shall be fully programmed to meet the functional and operational requirements of the building.
- b. Where card readers are required to be mounted on or near metal surfaces, provide custom non-ferrous mounting hardware to maintain specified read ranges.
- c. Remote reader electronics and boxes shall not be installed in inaccessible ceilings.
- d. All cables shall be labeled in each box or device with wraparound labels approximately 3" from the terminations. The label shall be keyed to manufacturer's as-built wiring diagrams.
- e. All wiring shall be concealed in a raceway or installed in a cable tray.
- f. Provide complete programming of all system components per Owners Instructions.

2. FIELD QUALITY CONTROL

- a. Site Tests, Inspection
 - 1. Verify unaltered storage capability of nonvolatile memories, when subjected to magnetic fields experienced under worst-case conditions in the spaces where the equipment shall be located.

Attachment 1

2. Intentionally simulate an access control system fault and verify the orderly shutdown of functions.
3. Test each individual door to verify the proper operation of all door switches.
4. Test each request-to-exit device to verify proper operation.

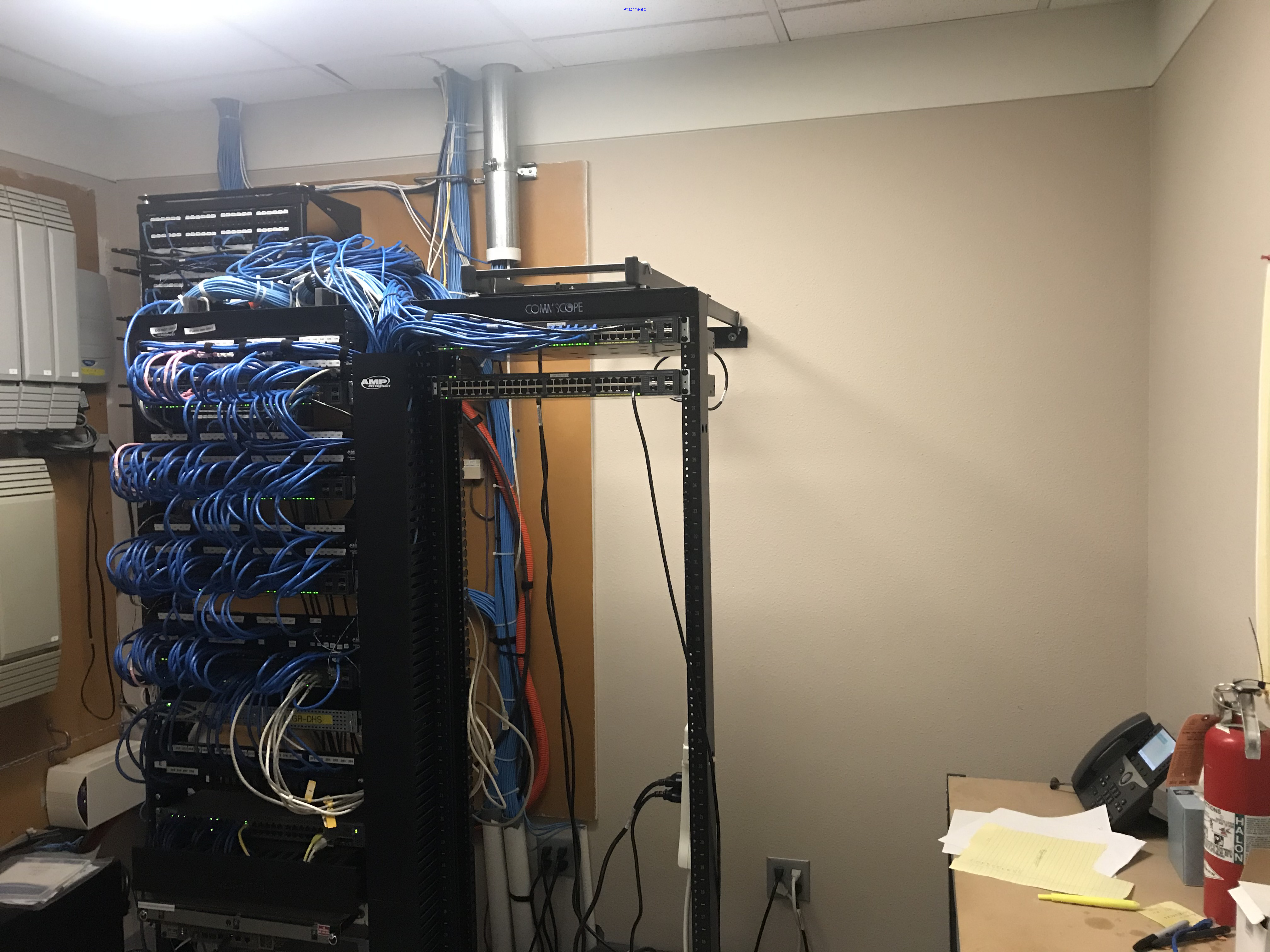
b. Manufacturers Field Services

1. As required by Basic Requirements.

3. DEMONSTRATION

- a. Provide operational and maintenance instruction.







COMPUTER/
TELEPHONE ROOM 130















