SECTION 281517 - EGRESS MANAGEMENT DEVICES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Magnetic lock hardware with special locking arrangement for non-fire-rated doors.

B. Related Requirements:

1. Section 260010 "Supplemental Requirements for Electrical" specifies additional requirements applicable to coordinating, scheduling, and sequencing of the Work specified in this Section.

1.2 DEFINITIONS

A. BMS: Building management system.

B. NFC: Near Field Communications.

1.3 ACTION SUBMITTALS

A. Product Data:

1. For each type of product.

B. Field Quality-Control Submittals:

1. Field quality-control reports.

1.4 INFORMATIONAL SUBMITTALS

A. Manufacturers' Published Instructions: Record copy of official installation instructions issued to Installer by manufacturer for the following:

1. Installation instructions for egress management devices.
2. Manufacturer's recommended tests and inspections for egress management devices.

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1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Special Tools: Furnish to Owner proprietary equipment, keys, and software required to operate, maintain, repair, adjust, or implement future changes to egress management devices, that are packaged with protective covering for storage on-site and identified with labels describing contents.

1.6 REGULATORY AGENCY APPROVALS

A. Submittals for egress management devices require action by Architect prior to submitting for approval by authorities having jurisdiction.

PART 2 - PRODUCTS

2.1 MAGNETIC LOCK HARDWARE WITH SPECIAL LOCKING ARRANGEMENT FOR NON-FIRE-RATED DOORS

A. Description: Magnetic lock connected to access control system and programmed for desired function. Magnetic lock may be programmed for release by access control system. Magnetic lock may also be pressure sensing, programmed to release and alarm after pressure is applied for a designated period.

B. Source Limitations: Obtain products from single manufacturer.

C. Performance Criteria:

1. Regulatory Requirements:

a. Listed and labeled in accordance with NFPA 70, by qualified electrical testing laboratory recognized by authorities having jurisdiction, and marked for intended location and application.
b. Compliant with NFPA 101, ICC IBC, and local life safety code requirements for use along means of egress.

2. Listing Criteria:

a. Special Locking Arrangements: UL CCN FWAX or UL CCN FWAX2; including UL 294, NFPA 101, and ICC IBC.
b. Electromagnetic Locks for Non-Fire-Rated Doors: UL CCN CVYT; including UL 1034.

PART 3 - EXECUTION

3.1 INSTALLATION OF EGRESS MANAGEMENT DEVICES

A. Comply with manufacturer's published instructions.

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B. Interfaces with Other Work:

1. Coordinate installation of new products for egress management devices with existing conditions.

2. Coordinate with Section 284600 "Fire Detection and Alarm" for monitoring of egress management device alarms by fire-alarm system.

3.2 FIELD QUALITY CONTROL

A. Administrant for Security Tests and Inspections:

1. Administer and perform tests and inspections.

B. Tests and Inspections:

1. Perform manufacturer's recommended tests and inspections.

C. Nonconforming Work:

1. Device will be considered defective if it does not pass tests and inspections.
2. Remove and replace defective units and retest.

D. Collect, assemble, and submit test and inspection reports.

END OF SECTION 281517

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