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**SECTION 084229  
AUTOMATIC ENTRANCES**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Sliding type packaged power-operated door assemblies.
- B. Controllers, actuators and safety devices.

**1.02 REFERENCE STANDARDS**

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. ANSI/BHMA A156.38 - Low Energy Power Operated Sliding and Folding Doors; 2019.
- C. BHMA A156.10 - Power Operated Pedestrian Doors; 2024.
- D. BHMA A156.19 - Power Assist and Low Energy Power Operated Swinging Doors; 2019.
- E. ITS (DIR) - Directory of Listed Products; Current Edition.
- F. UL (DIR) - Online Certifications Directory; Current Edition.
- G. UL 325 - Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems; Current Edition, Including All Revisions.

**1.03 SUBMITTALS**

- A. Shop Drawings:
  - 1. Indicate layout and dimensions; head, jamb, and sill conditions; elevations; components, anchorage, recesses, materials, and finishes, electrical characteristics and connection requirements.
  - 2. Identify installation tolerances required, assembly conditions, routing of service lines and conduit, and locations of operating components and boxes.
- B. Product Data: Include system components, sizes, features, and finishes.
- C. Specimen warranty.

**1.04 QUALITY ASSURANCE**

- A. Installer Qualifications: Company specializing in performing work of type specified, with minimum 3 years of documented experience and approved by manufacturer.

**1.05 WARRANTY**

- A. See Section 017800 - Closeout Submittals for additional warranty requirements.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Sliding Automatic Entrance Door Assemblies:
  - 1. ASSA ABLOY Entrance Solutions; Besam SL500: [www.besam-usa.com/#sle](http://www.besam-usa.com/#sle).
  - 2. Horton Automatics, a division of Overhead Door Corporation; S2003T: [www.hortondoors.com/#sle](http://www.hortondoors.com/#sle).
  - 3. Stanley Access Technologies; DuraFit Telescoping Automatic Doors: [www.stanleyaccess.com/#sle](http://www.stanleyaccess.com/#sle).

**2.02 POWER OPERATED DOORS**

- A. Sliding and Folding Doors with Low-Energy Power Operators: Comply with ANSI/BHMA A156.38; safeties required; provide break-away operation unless otherwise indicated; in event of break-away operation, interrupt power operation.

1. Comply with UL 325; acceptable evidence of compliance includes UL (DIR) or ITS (DIR) listing or test report by testing agency acceptable to authorities having jurisdiction.
2. Force Required to Swing Break-Away Panel: 50 lbf (220 N), maximum, measured at 1 inch (25 mm) from latch edge of door at any point in closing cycle.

### **2.03 AUTOMATIC ENTRANCE DOOR ASSEMBLIES**

- A. Sliding Automatic Door: Single leaf track-mounted, electric operation, extruded aluminum glazed door, with frame, and operator concealed overhead.
  1. Operation: Power open, power boost operation.
  2. Actuator(s): As indicated on drawings.
  3. Door and Frame Finish: Same as adjacent framing system.

### **2.04 CONTROLLERS, ACTUATORS, AND SAFETIES**

- A. Controller: Provide microprocessor operated controller for each door.
- B. Comply with BHMA A156.10 for actuator and safety types and zones.
- C. Proximity Detector Actuator/Safety: Passive infrared; distance of control sensitivity adjustable.

### **2.05 ACCESSORIES**

- A. Steel Clips, Supports, and Steel Anchors: Galvanized to 1.25 oz/sq ft (380 g/sq m).

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that electric power is available, at the correct location, and is of the correct characteristics.

### **3.02 INSTALLATION**

- A. Install entrances securely anchored in place, plumb, level, and true to location, in alignment with established lines and grades, without warp, bow, or racking of members.
- B. Coordinate installation of components with related and adjacent work; level and plumb.

### **3.03 CLEANING**

- A. Remove temporary protection; clean exposed surfaces.

### **3.04 CLOSEOUT ACTIVITIES**

- A. Demonstrate operation, operating components, adjustment features, and lubrication requirements.

**END OF SECTION 084229**