

SECTION 08 42 29 – AUTOMATIC ENTRANCE DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. A power-operated entrance door with vertical bar activation. *[Note to AE: Automatic entrance doors shall be located at the main entrance to the building and/or the entrance used primarily by the public. Consideration shall be given to the entrance closest to the nearest accessible parking space.]*

1.2 RELATED DOCUMENTS

- A. *Drawing 08 42 29-1, Automatic Door Opener Control Station*

1.3 REFERENCE STANDARDS

- A. American Architectural Manufacturers Association (AAMA) 101: Appendix Dissimilar Materials.
- B. American Association of Automatic Door Manufacturers (AAADM).

1.4 QUALITY ASSURANCE

- A. Installer's Qualifications: Installer shall be factory trained and certified by AAADM.
- B. Manufacturer's Qualifications: *[Note to AE: Ensure approved manufacturers listed have a minimum five (5) years successful experience in the fabrication of automatic doors of the type required.]* Manufacturer capable of providing field service representation during installation, approving acceptable installer and approving application method.

1.5 SUBMITTALS

- A. *[Note to AE: Include a requirement for an AAADM inspection and written compliance with ANSI A156.19.]*

PART 2 - PRODUCTS

2.1 OPERATORS

- A. The automatic door operator on each exterior door shall be a Horton 4000 series *[Note to AE: List 2 additional Owner-approved manufacturers]* with 1/8 HP D.C. motor, minimum.
- B. The operator on each interior door(s) shall be a Horton 7000 series *[Note to AE: List 2 additional Owner-approved manufacturers]* with 1/15 HP D.C. motor, minimum.
- C. Each operator shall incorporate a safety feature that automatically re-opens the door if it is stopped during the closing cycle.
- D. Under manual control, door opening force shall not exceed 8 lbs. for exterior doors and 5 lbs. for interior doors.

2.2 DOOR CONTROL STATIONS

- A. Provide door control stations on each side of each automatically operated door. Coordinate locations with means of egress and life safety requirements. These stations shall be located to allow for proper wheelchair approach and activation.
- B. Touch activated automatic door controls: INGRESS'R as manufactured by Wikk Industries, Inc. P.O. Box 167, 6169B Industrial Court, Greensdale, Wisconsin 53129. www.wikk.com [Note to AE: List 2 additional Owner-approved manufacturers] See Drawing 08 42 29-1, Automatic Door Opener Control Station for related work on exterior installations.

2.3 MANUFACTURER

- A. Horton Automatics, a division of Overhead Door Corporation [Note to AE: List 2 additional Owner-approved manufacturers]

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Dissimilar Materials: Comply with AAMA 101, separate aluminum materials and other corrodible surfaces from sources of corrosion or electrolytic action contact points.
- B. Weather-Tight Construction: Install header and framing members in a bed of sealant or with joint filler or gaskets. Coordinate installation with wall flashings and other components of construction.
- C. Electrical: Install all wiring to operator on a separate circuit breaker routed into header.

3.2 ADJUSTMENT

- A. Adjustment: AAADM certified technician shall inspect and adjust installation to assure compliance with ANSI A156.19.

END OF SECTION **08** 42 29

This section of the *U of I Facilities Standards* establishes minimum requirements only.
It should not be used as a complete specification.