

## SECTION 083800 - IMPACT TRAFFIC DOORS

## PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

## 1.1 SUMMARY

- A. Section Includes:
  - 1. Double action impact resistant traffic doors.
  - 2. Door hardware.
- B. Provide products complete with accessories, trim, finish, safety guards, and other pertinent devices and details needed for a complete installation and intended use.

## 1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM):
  - 1. ASTM D635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position.
  - 2. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

## 1.3 SUBMITTALS

- A. Section 013300 - Submittal Procedures: Procedures for submittals.
  - 1. Product Data: Indicate door materials, thickness, configuration, and hardware.
  - 2. Shop Drawings:
    - a. Indicate dimensions, details of construction, and installation.
    - b. Indicate relationship to adjoining related Work where cutting, fitting, reinforcement, and anchorage is required for complete installation.
  - 3. Operating and Maintenance Data: Operating and maintenance instruction and parts lists.
  - 4. Submit written special warranty with forms registered with manufacturer as specified in this section.

## 1.4 QUALITY ASSURANCE

- A. Qualifications:
  - 1. Installer: Company specializing in performing the Work of this Section with minimum 5 years documented experience.

### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Section 016000 - Product Requirements: Transport, handle, store, and protect Products.
- B. Deliver product in manufacturer's original unopened packages with labels legible and intact.
- C. Labels shall identify manufacturer, brand name, model size, finish, and location of installation.
- D. Store double action doors and accessories in unopened packages in protected dry area to prevent damage from environmental and construction operations.
- E. Handle double action doors with care to prevent damage.

### 1.6 WARRANTY

- A. Comply with Section 017700 - Closeout Submittals: Procedures for closeout submittals.
- B. Manufacturer warranty to cover all material and labor required to repair or replace doors and door components for a period of two years from time of acceptance, within a guaranteed maximum repair response time of ten (10) calendar days.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Manufacturer providing products similar to:
  - 1. Basis of Design: Rite-Hite Holding Corporation; 8900 North Arbon Drive, Milwaukee, WI 53223.
  - 2. 888-841-4283;

### 2.2 TRAFFIC DOORS

- A. Model: Rite-Hite Doors: Model 3400.
- B. Color: Light Gray.
- C. Door Body:
  - 1. Panel skin rate of burning, ASTM D635: "HB" (horizontal burning), no combustion.
  - 2. Panel skin flame spread index, ASTM E84: 275 maximum.
- D. Hardware: The upper pivot shall consist of a V-cam capable of carrying a door weighing 200 pounds. Lift shall be 1-3/8 inches with gravity self-closing action. Door shall be adjustable back and forth and/or up and down.
- E. Gaskets: All gasket materials shall be factory applied and shall include wings to prevent accumulation of dirt. Gaskets shall be on leading edge, back and bottom of each door panel.

- F. Top and Hinge Seal Covers: Top seal shall be made of block reinforced nylon, with black anodized aluminum metal. Stainless steel screws shall be used for fastening to frame. Top and bottom hinge seal covers shall be field installed.
- G. Viewing Area:
  - 1. 21” x full width clear single pane window in black frame.
- H. Fasteners: All fasteners and washers, including jamb fasteners shall be made of stainless steel.
- I. Black Spring Polyethylene Bumper/Kick Plate.
  - 1. 24” high on both faces of door leaf.
- J. Steel Door Frames: Refer to Section 081113 – Hollow Metal Doors and Frames.

### 2.3 SECURITY FEATURES

- A. In addition to the items specified above, the following features shall be included in the door units:
  - 1. Lower hinge guards.
  - 2. Spring assist.
  - 3. Top hinge covers.
  - 4. Wash-down package.

### 2.4 EXAMINATION

- A. Section 017300 - Execution: Verification of existing conditions before starting work.
- B. Verification of Conditions: Verify that field measurements, surfaces, substrates and conditions are as required, and ready to receive Work.
  - 1. Verify that openings are prepared with headers level, jambs plumb, floor level, without projections, and are correctly dimensioned to receive double action doors.
- C. Report in writing to Engineer prevailing conditions that will adversely affect satisfactory execution of the Work of this Section. Do not proceed with Work until unsatisfactory conditions have been corrected.
- D. By beginning Work, Contractor accepts conditions and assumes responsibility for correcting unsuitable conditions encountered at no additional cost to the Owner.

### 2.5 INSTALLATION

- A. Install door unit assembly to manufacturer's published instructions and final shop drawings.
- B. Fit and align door assembly level and plumb.
- C. Use anchorage devices to securely fasten door assembly to door frame construction without distortion or imposed stresses.

2.6 ADJUSTING

- A. Adjust door assembly to provide smooth operation from closed to full open position.

2.7 CLEANING

- A. Section 017300 - Execution: Cleaning installed Work.
- B. Remove protective material from pre-finished surfaces.
- C. Remove labels and visible markings.
- D. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths. Wipe surfaces clean.

END OF SECTION 283800