



SECTION 08380
ROLLING DOORS
693 Series JetRoll® High Speed Traffic Doors

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. All of the Contract Documents, including General and Supplementary Conditions and Division 1 General Requirements, apply to the work of this Section.

1.02 SUMMARY

- A. The work of this Section includes high speed traffic doors.
- B. Related Sections: Other specification sections which directly relate to the work of this Section include, but are not limited to, the following:
 - 1. Section 08710 - Finish Hardware; key cylinders for locks.
 - 2. Section 16100 - Electrical; wiring.

1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each type of rolling door. Include both published data and any specific data prepared for this project.
- B. Shop Drawings: Submit shop drawings for approval prior to fabrication. Include detailed plans elevations, details of framing members, required clearances, anchors, and accessories. Include relationship with adjacent materials.

1.04 QUALITY ASSURANCE

- A. Manufacturer: High speed doors shall be manufactured by a firm with a minimum of five years experience in the fabrication and installation of upward acting doors. Manufacturers proposed for use, which are not named in these specifications, shall submit evidence of ability to meet performance and fabrication requirements specified.
- B. Installer: Installation of high speed doors shall be performed by an authorized representative of the manufacturer.
- C. Single-Source Responsibility: Provide doors, guides, motors, and related primary components from one manufacturer for each type of door. Provide secondary components from source acceptable to manufacturer of primary components.
- D. Pre-Installation Conference: Schedule and convene a pre-installation conference just prior to commencement of field operations, to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials and products in labeled protective packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage from weather, excessive temperatures and construction operations.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURER

- A. Provide high speed coiling doors by Overhead Door Corporation, Pennsylvania Division; Telephone 800-929-2553 or 717-248-0131; Fax 800-929-1274



2.02 HIGH SPEED TRAFFIC DOORS

- A. Trade Reference: JETROLL® 693 Series High Speed Traffic Doors by Overhead Door Corporation.
- B. Curtain: Multi-ply PVC impregnated fabric, 2.0 mm (2.5 mm) thick for doors up to 18' wide and 2.5 mm thick for doors greater than 18' wide. All curtains shall be equipped with glass reinforced polymer air pressure slats attached to both sides in the number as required for the height of the door. Windloading for low to medium air pressure differentials.
(Special Application Curtains available include:)
(2.0 mm Urethane in white or light blue for FDA approval or extreme temperature)
(2.5 mm Polyolethane in white for tobacco)
(2.1 mm Fire Retardant PVC in silver/black)
- C. Color: 2.0 mm fabric - Red (Blue) (Orange) (Gray) (Brown), 2.5 mm fabric - Red (Blue) (Brown) (Orange)
- D. Vision Panels: No vision panel standard. (Individual 18" x 18" (457 mm x 457 mm) clear vision panels alone or in combinations up to full width of door) (Individual 36" x 34" (914 mm x 864 mm) clear vision panels alone or in combinations up to full width of door.)
- E. Bottom Bar: Soft, segmented, weighted vinyl bags encased in a vinyl sleeve and covered with a yellow and black striped vinyl cover. (Soft segmented weighted vinyl bags encased in a vinyl sleeve and covered with a yellow and black striped vinyl cover with a 4-wire, self-monitoring, fail safe, electric sensing edge.)
- F. Guides: Full height rolled steel channel guide with automatic reset pockets. Complete guide assembly with two photo electric sensors is factory pre-assembled.
- G. Operator: Direct drive, 2 horsepower, hypoid gear motor/brake assembly in 208/230/460 VAC, 3 Phase (575 VAC, 3 Phase). Doors up to 16' wide shall have an upward and downward speed of 52" per second for doors. Doors greater than 16' wide shall have an upward and downward speed 40" per second. Operator, drive assembly and limit switches are factory pre-assembled and installed. All low voltage wiring will be through factory provided "quick connect" wiring harnesses.
- H. Control Panel: Provide electronic controller with microprocessor self-diagnostics. LED readouts indicate door action, alarm conditions, and fault conditions. Time delay self close timer and non-resettable cycle counter is included. Enclosure is NEMA 12 (NEMA 4) rated.
- I. Door Roll: Directly driven, steel tube with integral shafts, keyed on both ends and supported by self-aligning sealed bearings. Curtain shall be wrapped on the barrel at the factory.
- J. Counterbalance: Door shall not be counterbalanced.
- K. Hood Assembly: Black painted 24 ga. steel extending full width between the support brackets with full width brush seal.
- L. Safety Devices:
 - 1. Two photoelectric sensors that cast an invisible beam across the door opening and reverse the downward motion of the door when an object enters the path of the beam.
 - 2. Soft segmented weighted vinyl bags encased in a vinyl sleeve and covered with a yellow and black striped vinyl cover with a 4-wire, self-monitoring, fail safe, electric sensing edge.)
 - 3. Motion detection reverses door if oncoming traffic enters protected zone.)
- M. Actuation: One, Open/Close/Stop NEMA 12 push button station. (Optional push buttons, loop detectors, radio control, motion detectors, pull cords or any combination.)
- N. Finish: Curtain color as specified in 2.01. All steel parts shall be painted black.
- O. Breakout: Curtain will breakaway if struck by a mechanized vehicle and will automatically reset when cycled thereafter.



PART 3 - EXECUTION 3.01 PREPARATION

- A. Take field dimensions and examine conditions of substrates, supports, and other conditions under which this work is to be performed. Do not proceed with work until unsatisfactory conditions are corrected

3.02 INSTALLATION

- A. Strictly comply with manufacturer's installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and allow for maintenance.
- B. Instruct Owner's personnel in proper operating procedures and maintenance schedule.

3.03 ADJUSTING AND CLEANING

- A. Test high speed doors for proper operation and adjust as necessary to provide proper operation without binding or distortion.
- B. Touch-up damaged coatings and finishes and repair minor damage. Clean exposed surfaces using non-abrasive materials and methods recommended by manufacturer of material or product being cleaned.

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