

Section 8300
Single or Bi-Parting Sliding Door

PART 1 – General

1.01 Work Included - Provide Single or Bi-Parting sliding Door systems as shown on drawing and as specified herein.

1.02 Related Work - Opening preparation, miscellaneous or structural metal work, access panels, finish or field painting, field electrical wiring, wire, conduit, fuses and disconnect switches are in the Scope of other divisions or trades.

PART 2 – Products

2.01 Manufacturer - Single and Bi-Parting non Label Sliding Door. Model “Ez-CLEANSLIDE” as manufactured by PRAQCO, Gurabo, Puerto Rico.

2.02 Door Construction - Doors shall be made in modular panels, each panel being fabricated using a 1 ½” x 1 ½” structural aluminum profile with core of resin impregnated kraft honeycomb. Face sheets shall be .125 acrylic / PVC thermoplastic high gloss finish. Each panel shall be surrounded by a 18 ga. flush stainless steel capping channel, uniform color through. Shall not crack nor peel under impact.

2.03 Panel finish - Exposed steel on panels to be stainless steel 304 # 4 finish.

2.04 Vision Lites - All panels shall include a (17” x 23”). Low profile vision- lite with sloped stainless steel frame.

2.05 Operator System – Track System

- A.** Door header to be Class 1, aluminum anodized self contain. Perimeter seal, track cover, self supporting system by means 4 ½” x 1 ¾” aluminum jambs Class 1 anodize.

- B.** Door Hanger Wheels: Each panel shall be suspended from an Overhead track by (4) 2-1/2” (64mm) diameter nylon wheels with precision steel lifetime lubricated ball bearing centers. The sliding door(s) shall be held on the track by (20 7/8” (22mm) diameter nylon anti-riser wheels. The roller track shall be field replaceable and shall be isolated between a bed of rubber smooth and quite operation. A factory adjusted cantilever support pivot assembly shall support

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- each sliding door panel. The door height shall have an adjustment of ½” (13mm) +/- as required by field conditions, S/S 304 # 2 finish.
- C. Rear jamb and floor guide: Rear jamb to be slanted stainless steel 304 # 4 as manufactured by PRAQCO. Floor guide to be attached to rear jamb Holes on floor should not be permitted

2.06 Operation - Direct Drive System

- A. The drive system shall consist of a gearless direct drive AC asynchronous 1/8 hp motor with a frequency converter to control door speeds and a self-learning microprocessor control unit. The direct drive system shall include an integrated distance measuring system that shall be protected against external interference to guarantee maximum operational performance. Provide a minimum of 120V 60HZ, 5 amps, single-phase power supply minimum to the electrical door operator. Door may have as an option a breakaway system or battery back-up to open the door in case of a power failure as specified by architect or costumer.
- B. Microprocessor Control Unit: The control system shall provided for the following: monitor doorway holding beams(DHB), door position, electric lock position, activators, motor temperature, condition of battery, and emergency off button. The microprocessor control shall perform on a continuous basic a self-diagnostic system check and shall display faults by flashing LED's on the external function control panel. Torque shall be factory set as prescribed by ANSI A156.19. The control unit and the integrated distance measuring system shall automatically calibrate the opening and closing check positions, and the full open and full closed position of the door system.
- C. Doorway Holding Beams: Doorway holding beams shall be the factory installed at 24”(610mm) and 48”(1219mm) from finished floor. The beam when interrupted shall inhibit an open door from closing. The beam shall be disabled in the door-closed position. The processor control shall monitor the performance for proper function of the each DHB every 20 seconds and before each closing cycle. If a DHB fault is detected the door(s) shall close in a creep speed.
- D. Electronic Reversing Edge shall work in the closing and opening cycle.
- E. Intrinsically safe push buttons and holdings beams are available. Consult factory.

PART 3 – Installation

3.01 Installation- Install doors in accordance with manufactured instructions and standards.

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PART 4- Additional

4.01 Options:

- a. Self centering jamb on lead edges.
- b. Flush double pane glass
- c. Stainless steel track cover no horizontal surface design.
- d. Stainless steel cladding of door jambs.
- e. Battery back up
- f. Self containing, concealed solenoid lock, programmable for “fail to lock” or “fail to open”
- g. Kydex antibacterial

4.02 Cleaning:

- A. Clean surfaces soiled by work as recommended by manufacturer.
- B. Remove surplus materials and debris from the site.

4.03 Warranty- 365 days from the date of door being installed by PRAQCO or 395 days from the date of shipment, whichever comes first.

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