

## FABLINE CLEANROOM DOOR MODULES

## SECTION 1 GENERAL

### 1.01 PRODUCT NAME

A. FabLine Cleanroom Door Modules

#### **1.02 MANUFACTURER**

- A. Porta-Fab Corporation 18080 Chesterfield Airport Road Chesterfield, MO 63005 U.S.A. Phone: (636) 537-5555 Fax: (636) 537-2955
- B. The use of a manufacturer's name, model or catalog number is for the purpose of establishing the standard of quality and general configuration.

# 1.03 PRODUCT DESCRIPTION

**Basic Uses:** The FabLine Cleanroom Door Modules are designed to add the same protection, strength and reliability to a new or existing cleanroom, ensuring performance geared to the expectations for which the cleanroom is being installed. The door modules shall install within a framework providing a gasketed seal at the door and frame connection. The FabLine Cleanroom Door Modules are designed for use in environments up to a sub-M1 classification where maximum performance, strength and reliability are required. The doors are designed for environments within the microelectronics industry and all supporting and related industries.

- A. Cleanroom Door Modules:
  - 1. Materials:
    - a. All jambs and headers shall be of aluminum alloy 6063-T5 within commercial tolerance and free from defects impairing strength and/or durability. Door stile and rail sections to be a minimum 1/8" wall thickness.
    - b. Steel tension rods of .375 inch diameter shall run the full width of the top and bottom rails and shall be fixed with steel plates and lock nuts.
  - 2. Hardware Options:
    - a. Top and bottom pivots
      - b. Push bar
      - c. Pull handle
      - d. 1/2" x 4" threshold
      - e. Deadbolt MS lock
      - f. Lock faceplate
      - g. Surface mount closer
      - h. Concealed door closer
      - i. Flush bolts (double doors)
      - j. Special hardware for custom doors shall be specified by the architect.



- 3. Panel Options: Full panel or half panel doors shall be glazed with either of the following:
  - a. Glass Panel: 1/4" tempered safety glass as specified.
  - b. Solid Panel: Panels shall be .032" smooth aluminum with a smooth conductive epoxy finish laminated to both sides of an aluminum honeycomb core. Wall panel shall have a surface resistivity in the range of 10<sup>6</sup> to 10<sup>9</sup> ohms/square per EOS/ESD-S11.11-1993, which supersedes ASTM-D257, and an electrostatic decay of <10% IN, .5/sec. per method 4066 Federal Test Method Standard 101B.
    - i. Colors: As selected by the Owner from manufacturer's standard panel color.
- 4. Finish:
  - a. All exposed framing surfaces shall be free of scratches and other serious blemishes.
  - b. Finish to be: Etched and clear anodized

End of Section