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
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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 10^6 to 10^9 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