SECTION 08100D - METAL DOORS AND FRAMES

A. STAINLESS STEEL ENTRANCES AND FRAMES: Stainless steel entrances and frames are generally preferred for exterior main and public applications. Stainless steel shall be Type 302, with a satin finish. Review conditions with University Architect.

B. STEEL DOORS: Steel doors may be used for exterior doors for secondary and service type entrances.

1. Exterior doors shall be not less than 16-gauge galvanized steel with shop primer, and insulated core. Doors in areas subject to moisture shall also be galvanized. The top channel shall have steel top cap to protect against weather. Doors shall have bevels on hinge and locking edges. Exterior steel doors shall field painted.

2. Interior doors shall be not less than 18-gauge steel. Doors shall have bevels on hinge and locking edges.

3. Doors in mechanical rooms and other areas where noise is of concern should have insulated cores.

4. Louvered doors shall have 12-inch bottom rails.

C. ACCESS DOORS: Access doors shall be provided at plumbing chases and in ceiling areas. Associate shall check drawings and specifications to ensure that locations are indicated on the drawings. Door types shall be reviewed and approved by University Project Manager.

D. STEEL FRAMES

1. Exterior door frames shall be one-piece, welded frames of not less than 14-gauge galvanized steel with shop primer. Frames in areas subject to moisture shall also be galvanized.

2. Interior door frames shall be one-piece, welded frames of not less than 16 gauge steel. Interior frames in walls up to 8” thick shall be full width of wall.

3. Knock-down frames are generally prohibited; however, such frames may be used in movable partitions. In remodeling work, the University Project Manager may grant permission to use knock-down frames if conditions justify their use. All frames shall be heavily reinforced at hinge, strike and closer locations.

E. ALUMINUM ENTRANCES: Aluminum entrances are generally prohibited (stainless steel is preferred) unless specifically approved by the University Architect.

1. Narrow stile and narrow top and bottom rail aluminum doors are prohibited.
2. Dimensions of components shall be at least:

   Metal thickness - 0.125 inch
   Head rail size - 4-1/2 x 1-3/4 or 4 x 2 inches
   Stile size - 4-1/2 x 1-3/4 or 4 x 2 inches
   Bottom rail size - 6-1/2 x 1-3/4 or 6 x 2 inches
   Hardware reinforcement - 1/4 inch thick metal material

F. ALUMINUM ENTRANCE FRAMES

   1. Dimensions of components shall be at least:

   Metal thickness - 0.125 inch
   Head size - 4-1/2 x 1-3/4 or 4 x 2 inches
   Jamb size - 4-1/2 x 1-3/4 or 4 x 2 inches
   Hardware reinforcement - 1/4 inch thick metal material.

END