DIRECTIVE 8-2

DOORS AND FRAMES

1. General

(a) Hollow Metal Manufacturers Association (HMMA): All doors and frames shall be designed in consideration of the recommendations in the literature published by the HMMA, except for HMMA 860, Guide Specification for Hollow Metal Doors and Frames, which is for residential use.

(b) The minimum door width shall be 3'-0" unless otherwise approved by the Fund.

2. Materials and Hardware

(a) Wood may be used if acceptable to the campus, appropriate for the application and affordable within the budget. Specify solid, institutional level concealed blocking for closers and other hardware.

(b) Steel door face sheets shall be not less than 18-gauge (for interior doors and 16 gauge for exterior doors. Steel frames shall be not less than 16-gauge for interior door openings 4'-0" or less in width and 14 gauge for interior openings wider than 4'-0" and all exterior frames. Frames shall be welded at corners and joints. Steel doors and frames exposed to the exterior, in swimming pools, and other high humidity environments shall have a zinc coating applied by hot-dip process conforming to ASTM A653/A653M (G60).

(c) Coordinate hardware with the Campus as early as possible in design. Specifications should have the final cores shipped to the campus for installation and require the use of construction cores. For doors with electronic access control, develop project specific wiring diagrams for typical and special applications, and identify campus installed work. To minimize operational issues after installation, ask for a review of the diagrams by the campus access hardware “expert”, which could be an outside vendor. Specify three manufacturers for all hardware except where less are permitted in Directive 1C-2. The selection of hardware must be coordinated with the limitations imposed by the fire labels on the doors and frames to avoid voiding the label.

(d) For main entrance doors, see Directive 8-3.
3. Non-Swinging Doors: If permitted by code, sliding, rolling, coiling, or other non-swinging doors may be used. Review the operational modes of these doors with the campus. Consider using motorized operation for optimal control of the opening and closing process, even if the normal operating position is “held open”, such as for coiling smoke doors. Unless a faster descent rate is required by code or campus operational practice, the governor controlling descent shall be set at the slowest rate permitted in the door listing.

4. Construction Documents: Include schedules, details for anchorage and other graphic information as recommended in HMMA and the hardware manufacturers’ literature.

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