

## 08 00 00 – Openings

### 1. General

- A. Doors in high-traffic areas, loading docks, operating rooms and corridors should be designed to include stainless door edge guards and protection plates on both sides. The frame and door hardware shall be designed to accept this additional weight. On all doors that are designed to include a door closer, specify on the hardware schedule the degree of opening desired. Identify special opening requirements as applicable. In rooms accessed by carts, beds and other items, offset-type hinges shall be installed to increase the size of the opening.
- B. Electronic code locks shall be recessed in the wall to eliminate the potential of damage from rolling carts and equipment.
- C. Double doors are not recommended because of the problems involved in securing these doors. Where double doors are required, a removable astragal should be used between the doors to provide safety. All exterior doors and jambs should be hollow metal (steel) or aluminum and glass (storefront and curtain wall systems). Steel doors shall be a minimum of 16 gauge; jambs shall be a minimum of 14 gauge. Aluminum doors in storefront and curtain wall systems shall be medium stile type; narrow stile doors are not acceptable. All exterior handicap door access operator switches must be completely protected from the weather.
- D. All door openings (including wood, aluminum and overhead type) must be listed in the door schedule. If any opening is not made by the steel door manufacturer, the door opening number should be shown, along with the type of door (wood, etc.) indicated as “not by steel manufacturer.” The Consultant shall include the following information in the door schedule and on the drawings:
  - 1. Details of each frame type
  - 2. Elevations of door designs
  - 3. Types
  - 4. Conditions at openings
  - 5. Details of construction
  - 6. Location and installation requirements for finish hardware on all reinforcements
  - 7. Details of joints, connections, and anchorage and accessory items
- E. All doors shall have a minimum 3'-0" width and 7'-0" height.
- F. Magnetic door locking devices should be included in the design for exterior doors.

- G. Locations for the installation of card readers should be confirmed by a representative of Duke University and included in the design of the exterior doors.
- H. Electric magnetic door holders shall be included in the design of corridor doors. The holders shall be located at the top of the door.
- I. Electric roll-up doors are not recommended.
- J. Pocket doors are not recommended.
- K. Electric metal or wooden doors that run on a recessed track in the floor or ceiling are not recommended.
- L. Mechanical door systems shall have sufficient room for future maintenance and for replacing worn out parts.
- M. Floor-mounted door closers are not recommended.
- N. See Appendix **A080000** for additional information on “Façade Proportions”.