

# **SECTION 081000 - DOORS AND FRAMES**

## **PART 1 - GENERAL**

### **1.1 RELATED SECTIONS:**

Refer to the General Design Guidelines section for the requirements relating to accessibility for disabled persons.

Refer to Section 085000 for requirements regarding windows.

Refer to Section 087000 for requirements regarding hardware.

### **1.2 SCOPE OF SECTION:**

This section contains the requirements relating to doors and frames.

### **1.3 GENERAL:**

#### **A. RENOVATIONS:**

In renovations of existing buildings, door finish and style shall be in keeping with existing doors that remain. Doors along hallways shall be uniform in appearance. New door hardware shall match the existing and be ADA compliant.

#### **B. CUSTODIAL CLOSETS:**

Custodial closets in corridors shall be self-closing with hold opens as allowed by the building code. Provide kick plates on the doors.

#### **C. DISABLED ACCESS:**

All new buildings and major renovations shall have the NC Building Code required number of accessible entrances and at all major entries at least one set of doors shall be automatically operated to facilitate access by disabled persons.

Reference Section 087000 for use of automatic openers.

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### **1.4 DOORS:**

#### **A. INTERIOR:**

All typical interior hinged doors shall be stain grade, plain sliced, stave core red oak. Factory machining of doors for hardware is preferred. Service doors shall be 16 gauge steel, polystyrene core, rated as appropriate.

Solid core fiberglass doors with factory finish shall be used on Health Sciences Campus in animal use areas.

#### **B. EXTERIOR:**

Exterior doors shall be solid core flush, 16 gauge galvanized steel with closed top. On the Health Sciences Campus and in Residence Halls, exterior doors shall be FRP insulated equal to Special-Lite.

#### **C. FIRE RATED:**

Fire rated doors and frames shall have appropriate labels. All must be labeled asbestos free; use 3/4" wide by 3" long brass tags with an embossed message reading "non-asbestos", mechanically attached to the hinge edge of the door, mounted 2" below the fire label. Precautions shall be taken to protect labels during application of finishes.

#### **D. STOREFRONT:**

1. Storefront aluminum/glass shall be used only for main entrances or areas of high moisture content. Thin-profile doors are not to be used; typical storefront doors shall have heavier stiles and rails, equal to Kawneer 350 or 500 series. Bottom rails shall be 10". On Health Sciences Campus, storefront doors shall match door labeled B-2.
2. Aluminum storefront hardware shall be the same as that described in Section 08700, door manufacturer's standard hardware is not preferred.
3. Specify storefront hardware to be provided and installed by storefront manufacturer.

### **1.5 FRAMES:**

Frames shall be hollow metal, fully welded along entire depth. Knock-down frames are not acceptable unless approved by Project Manager. Exterior frames to have drip edges and be of hot-dipped galvanized steel construction. Sound attenuated materials shall be used in frames as directed by Owner. Factory machining of frames for hardware is preferred. Frames with overhead door closers or related equipment shall be reinforced. Frames with hospital stops shall be installed on the Health Sciences

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Campus in clinic and animal use areas.

### **1.6 SUBMITTALS:**

- A. Simultaneous hardware and wood, steel, and aluminum door and frame submissions are preferred in order to promote closer coordination.
- B. The Contractor's attention should be drawn to the lead time required for delivery of certain hardware items and the required date of Completion.

END OF SECTION

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