SECTION 08050

BASIC DOOR AND WINDOW MATERIALS AND METHODS

PART 1 GENERAL

1.1 DOORS

A. General:
   1. Classrooms, office and exit doors shall be thirty-six inches (36") minimum width.
   2. Single leaf entrance doors are preferred, unless there is an overriding functional or aesthetic reason for providing double doors.
   3. Protection of exterior doors from wind and rain shall be provided by recessing or exterior shielding.
   4. Full glass doors shall have either a horizontal push bar, panic hardware, an intermediate mullion, or be designed so that they could not be mistaken for open when closed. Where double doors are used with panic hardware, they shall be equipped with an astragal to prevent surreptitious entry, as when a wire coat hanger is inserted between the two (2) leaves to release the panic bar.
   5. Automatic Doors: or approved equal.

1.2 GLASS

A. General:
   1. Safety glass shall be specified for all glass doors, both swinging and sliding types. Where used, glass panels shall have their lower edges set not more than forty inches (40") above finished floor.
   2. Wherever persons might contact glass panels over fourteen inches (14") wide, the glass panels shall have either a horizontal mullion or guard rail, or shall be otherwise designed so that the space could not be mistaken for an opening.
   3. Full glass panels at offices, corridors, etc. shall have a horizontal mullion or guard rail to prevent contact by furniture.
   5. Aluminum glass doors shall be wide style in order to accommodate a Von Duprin 99 exit device.

1.3 HARDWARE

A. Keys and Locks:
   1. Each building shall be keyed by the Universities access control group with Stanford owned keyways.
2. The University shall be provided with 1 bit e Schlage large format ic cylinders. Keying will be done by the access control groups discretion.
4. Construction keying shall be 1 bit E Schlage large format i.c.
5. Mechanical equipment rooms shall be keyed by Stanford University (Schlage).
6. Electrical equipment rooms shall be keyed by Stanford for Stanford University PP2 (Schlage).
7. Equipment rooms with both electrical (motor control center, etc.) and mechanical equipment shall be keyed by Stanford to Stanford University Maintenance Master Key (Schlage).

1.4 WINDOWS

A. General: 1. Preferred types are double-hung metal sash or pivoting type. These fit tightly and permit proper balancing of air conditioning. (Sliding window tacks are difficult to keep clean; casements warp and do not close tightly, and operating mechanisms with cranks require more maintenance; awning types are difficult to operate and may get sprung or warped.)
2. Capability for a reasonable means of washing windows must be provided (expensive scaffolding is not considered reasonable). Acceptable solutions include:
   a. Opening sash so that a person can clean the exterior from the inside.
   b. Standing on a ledge outside with hooks for a safety belt.
   c. Elevator-type rigging on the exterior with space on the roof to accommodate the elevator equipment anchors around the entire perimeter having windows.

PART 2 PRODUCTS

2.1 HARDWARE

A. Keys and Locks:
   1. Locks and locksets shall be Schlage "C" or "D" Rhodes lever only, no substitutions.
   2. Locksets shall have steel cylindrical cases, with interior parts or steel and zinc-dichromate plating to resist rusting and corrosion. Six-pin cylinders shall be provided. Access to cylinder shall be provided without removing lockset from door for key-in-knob types. Cylinder shall have fully round plugs (without flattened areas), made of extruded brass bar material.

B. Door Closers:
   1. Door closers shall be LCN only for mechanical closers. Ada opener/closers shall be Stanley or Besome only.
2. Where overhead closers are specified, they shall be sufficiently sturdy to effectively close the door against normal outward building or room air pressure.

3. On all doors to be used by the public, closers shall be capable of being adjusted to 8.5 pounds on exterior doors, five (5#) pounds on interior doors, and thirteen pounds (13#) on fire doors, and shall be so adjusted when installed.

C. Floor Checks: Floor checks shall be Rixon or Doramatic only, unless substitution is approved by the Access Control Group. Where floor checks are specified, they shall be designed so as to permit adjustment without removal of the door, and must be sufficiently sturdy to effectively close the door against normal outward building or room air pressure.

D. Panic Devices: Panic devices shall be Von Duprin 99 rim, or concealed vertical rod only, no substitutions. Where panic devices are required for emergency exits, they shall be UL approved and mechanically designed so as to prevent surreptitious entry along the door edge. The locking device shall be equipped with an auxiliary bolt against end pressure or knife shoving when the door is in a closed position. Devices to be used on fire exit doors shall not be equipped with a dogging feature.

PART 3 EXECUTION (Not Used)

END OF SECTION