

SECTION 08 10 00: DOORS & FRAMES

1. GENERAL

- A. Where an accessible entrance is created, it is required that at least one entrance door have an assisted door opener/closer.
- B. All doors will be keyed into Brown's keying system.
- C. Construction cores will be provided during the project.
- D. Final keying and coordination will be provided by Brown; construction cores will be removed by the contractor upon project turnover.

2. STEEL DOORS

- A. Typical interior locations: 18-gauge door, 16-gauge frame.
- B. Mechanical rooms and exterior locations: 16-gauge door, 14-gauge frame.
- C. All frames to be of full weld unit type fabrication; joints to be mitered and externally welded; contact edges to be closed tight; welds on exposed surfaces to be dressed smooth and flush.

3. WOOD DOORS

- A. All to be solid core construction.
- B. All to have solid blocking for all hardware including emergency exit devices.
- C. Exterior doors that swing into the weather to be capped and have no finger joints.
- D. Stiles and rails of exterior doors will be of laminated construction, not solid wood.

4. AUTOMATIC ENTRANCE DOORS

- A. Automatic entrance door systems to have LCN or Stanley Best closers; electric only.
- B. Coordinate system with required access control system, which includes review and approval by Brown University Department of Public Safety (DPS) and project manager.

5. ACCESS DOORS & PANELS

- A. All doors/panels to be steel.
- B. Access doors and panels are required in drywall, plaster and other inaccessible finishes to provide maintenance access to valves, controls, junction boxes and other items that otherwise would be inaccessible.
- C. Provide keyed locks at access doors at all publicly accessible areas and at a minimum, all tele/data rooms, corridors and public spaces.
- D. Provide a minimum of two (2) cam locks for sides of doors over 18 inches and three (3) for doors over 30 inches wide.
- E. All locks in access panels will be keyed with interchangeable cores.

- F. Minimum access panel and door clear-opening sizes shall be coordinated with the intended use; minimum sizes shall be:
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| 1. Reach in access | 12" x 12" |
| 2. Access door-torso only | 24" x 24" |
| 3. Access door-complete body passage | 30" x 30" |

6. DOOR HARDWARE

- A. Use mortise locksets with a 7-pin, interchangeable, small format core.
- B. Cylindrical locksets are not allowed.
- C. Coordinate hardware with building security and access control system provider; coordinate hardware package shall with access system provider.
- D. For renovation projects, match existing finishes.
- E. For new construction, use satin bronze US10 or dull chrome US26D finishes.
- F. Use Arrow and Best locksets.
- G. Hager, Rixson, and Stanley hinges to be used-heavy duty, institutional grade; use fully mortised ball bearing hinges.
- H. Continuous hinges to be used at entry and high use doors and are not allowed on historic doors.
- I. Offset hinges and pivots are not be allowed.
- J. Use VonDuprin Power Transfers or Keedex armored door loops; electric transfer hinges are not allowed.
- K. Use UL listed panic exit device and hardware by Precision Hardware Inc., No. 1700 or 4900 trim.
- L. Door closers to be LCN with a maximum pull of 5 pounds; provide sex bolts for fastening.
- M. Concealed vertical and surface rods are not allowed; at pairs of doors, removable vertical mullions and rim device is preferred.
- N. Use Pemko or Zero compression seals and sweeps.
- O. Use Ives flush bolts; automatic flush bolts are not allowed.
- P. Use kick plates on all doors in high traffic areas (does not include residence hall rooms and offices); consider cart use and lab traffic; size must be approved.
- Q. Door stops to be floor mounted or wall mounted with blocking.