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 and installed by Brown 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-brand or Stanley Best-brand closers; electric style 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 shall be keyed using 7-pin SFIC (Small format Interchangeable Core) housings with interchangeable cores.

F. Minimum access panel and door clear-opening sizes shall be coordinated with the intended use; minimum sizes shall be:
   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 electrified door hardware with building security and access control 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-brand and Best-brand locksets.
   G. Use Hager, Rixson, and Stanley-brand hinges, heavy-duty, institutional grade; use fully mortised ball bearing hinges.
   H. Continuous hinges shall be used at entry and high-use doors. Continuous hinges are not allowed on historic doors.
   I. Offset hinges and pivots are not allowed.
   J. Use Von Duprin-brand Power Transfers or Keedex-brand armored door loops; electric transfer hinges are also permitted.
   K. Use UL listed panic exit device and hardware by Precision Hardware Inc., No. 1700 or 4900 trim.
   L. Door closers to be LCN-brand, with a maximum pull of 5 pounds; provide with all required mounting bolts for fastening.
   M. Concealed vertical rods are not permitted; surface-mounted vertical rods are permitted. Surface-mounted systems must utilize top-rods; bottom-rods are not permitted. At pairs of doors, removable vertical Mullions and rim devices are required.
   N. Use Pemko-brand, Zero compression seals and door sweeps.
   O. Use Ives-brand flush bolts; automatic flush bolts are not allowed for securing inactive doors.
   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.
R. Floor-mounted door closers are not permitted in any application.

S. Door Crashbars:
   1. Door crashbars shall be MLR type (Motorized Latch Retraction); ELR type (Electric Latch Retraction) crashbars are not allowed.
   2. Power source for the door MLR shall be provided by the door access control panel.
   3. Provide local electrical service disconnect switches, located adjacent to each MLR-equipped door and also adjacent to the door access control panel to enable safe servicing of crashbar electrical components.

END OF SECTION