

**ARCHITECTURE**

**SECTION 08710**

**DOOR HARDWARE**

**PART 1 - GENERAL**

1.1 SECTION REQUIREMENTS

- A. Submittals: Hardware Schedule.
- B. Deliver keys to Owner.
- C. For fire-rated openings provide hardware tested and listed by UL or FM (NFPA 80). On exit devices provide UL or FM label indicating "Fire Exit Hardware."

**PART 2 - PRODUCTS**

2.1 HARDWARE

- A. Hinges: Provide the following:
  - 1. Ball-bearing hinges with positive non-rising pins and a hole in bottom tip for easy pin removal.
  - 2. Three 4-1/2" hinges for 1-3/8-inch- (35-mm-) and for 1-3/4-inch- (45-mm-) thick wood doors.
  - 3. Full Mortise Continuous geared hinges for all Aluminum entry doors and at other specified locations.
- B. Locksets and latch sets as follows:
  - 1. Exterior Doors: Schlage "D" Series, cylindrical locksets with 5 pin tumbler.
  - 2. Interior Doors: Schlage "AL" Series, heavy duty, cylindrical locksets with lever handle and 5 pin tumbler.
  - 3. Schlage "B" Series, auxiliary locks, grade 2, standard duty deadbolts at bathrooms that have push/pull to allow for securing from public.
  - 4. Lever handles on locksets and latch sets, "AL" series "Saturn", "D" Series "Rhodes" design. Finish: 626 Satin Chrome Plated.
  - 5. Provide trim on exit devices matching locksets.
  - 6. Provide knurled finish on handles at electrical/mechanical, trash, and other hazardous rooms.
  - 7. Other available manufacturers may be used, provide products of comparable quality. Manufacturer and product substitutions require Architect and Owner approval:
    - a. Arrow, USA.
    - b. Corbin Russwin Architectural Hardware.
    - c. Falcon Locks.
    - d. Sargent Manufacturing Company
    - e. Yale Commercial locks and Hardware
- C. Electronic locking and security system: Security access system to be provided by Owner. Interface with electronic strikes as required.
- D. Key locks to Owner's existing master-key system.
  - 1. Specific keying system shall be determined by the Facilities manager of the complex. Provide 3 keys per lock, sub master and master keyed to building system.
  - 2. Provide construction keying.
  - 3. Provide key box for storage of spare keys. Location of box to be determined.
- E. Closers: Provide the following:
  - 1. Mount closers on interior side (room side) of door opening. Provide LCN 4040 Series, parallel arm (A.D.A. Compliant) Closers with standard enamel aluminum finish cover.

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2. Adjustable delayed opening (accessible to the disabled) feature on closers.
  3. Products by other manufacturers may be used if of comparable quality. Manufacturer and product substitutions require Architect and Owner approval.
- F. Exit Devices: Provide the following:
1. Von Duprin - Series 99 with keyed dogging. Levers to match Lockset Levers.
  2. Products by other manufacturers may be used if of comparable quality. Manufacturer and product substitutions require Architect and Owner approval.
- G. Door Pulls: Provide pull plate equal to Rockwood 107 x 70C.
- H. Provide wall stops for doors without closers.
1. Wall stops equal to Rockwood 426.
  2. Where wall stops cannot be used, furnish an Overhead Stay – Rixson Series 33.
- I. Kick Plates: Provide 16 gage, stainless steel, 6” high, unless noted otherwise, and cover full width of door.
- J. Gasketing and door bottoms:
1. Gasketing shall be Pemko 316AV, applied at head and jambs.
  2. Automatic door bottoms shall be Pemko 412 Series, Surface Mounted. Provide units recessed into bottom of Aluminum Entrance Doors.
  3. Jamb weather-strip shall be vinyl bulb type, Pemko 313AN
  4. Provide door silencers at all frames not scheduled for gasketing or weather-stripping.
- K. Provide hardware finishes as follows:
1. Hinges, Locksets, Latch sets, and Exit Devices: Dull chrome plated; US26D.
  2. Closers: Aluminum enamel.
  3. Other Hardware: Matching finish of lockset/latchset.

**PART 3 - EXECUTION**

3.1 INSTALLATION

- A. Mount hardware in locations recommended by the Door and Hardware Institute, unless otherwise indicated.

3.2 HARDWARE SCHEDULE – Submit schedule for architect review and approval.

**END OF SECTION 08710**