

**SECTION 08710
FINISH HARDWARE**

PART 1 - GENERAL

1.01 REFERENCES

- A. California Administrative Code, Title 24, Handicapped Access.

1.02 DESIGN REQUIREMENTS

- A. Locksets or Latches:
1. Verify with Project Manager and User whether doors are to have locksets or latchsets. Review type of lock or latchsets to be specified with Physical Plant Department. Lock cylinders shall be compatible with Sargent #42, #46 or #34 as appropriate for the locking devices. The Lock Shop shall specify the keyway at time of order.
 2. The University, Physical Plant Lock Shop, shall complete keying and keys. The cost of labor and materials shall be paid from the Contractor to the University Physical Plant. The University Physical Plant Lock Shop will provide an estimate of labor and materials to Project Manager upon request, to add to bid requests.
 3. Assign a number to all cabinets and drawers, regardless of whether locks will be installed at the time of construction.
- B. Kickplates: Verify if kickplates are required on doors, or if 3'-0" high armor plates are required to protect door faces from damage by rolling carts.
- C. Exterior Doors:
1. Exterior doors shall be furnished with ball bearing, non-removable pins and provided with weather-stripping.
 2. Verify security provisions required at all exterior doors with Physical Plant Department and Public Safety Department.
 3. The "Main" entrances are to be "Card Access" controlled.
- D. Security: Verify any security provisions required by User. Review any proposed security provisions with Project Manager.
- E. Mounting:

1. Mount closers on wood doors with through bolts when used on 1 hr. fire rated doors.
 2. Provide adequate backing in stud partitions for attachments of all finish hardware.
 3. All door closers arms to be hand tapped for machine screws, not to use self tapping screws.
- F. Codes: All finish hardware shall conform to requirement for State access laws for the handicapped, C.A.C Title 24.
- G. Exterior: All finish hardware mounted on the exterior shall be stainless steel or aluminum finished and shall conform to requirements of exterior doors and frames.
- H. Security: Design shall require that Contractor provide construction locks and keys for security of construction site(s).
- I. Security Interface: Hardware shall interface with campus electronic access on all exterior doors and when further indicated.

PART 2 - PRODUCTS

2.01 HARDWARE

- A. Cabinet locks shall be on least than 5-pin tumbler (no cam locks).
- B. All hinges shall be ball bearing types. All exterior doors shall be full ball bearing. Equip all out-swinging doors with non-removable pin hinges.
- C. Door strikes shall conform to standard ANSI specs.
- D. Locksets must accept 7-pin Sargent, #42 mortise cylinders or #34 rim cylinders.
- E. All locksets must be Sargent 8200 LW1L series. All strikes shall have dust-proof boxes (WBS).
- F. Panic door hardware: Use Sargent 8000 series, utilizing 7-pin Sargent, #42 mortise cylinders in ET trim, except in 04 function which shall accept a #46 cylinder.
- G. Door closers must be the Sargent 351 series.

- H. Locks shall be ordered by the contractor key alike. This keying shall serve as a contractor key until the University Lock Shop rekeys the project. Locksets **shall not** be ordered, or delivered "0 bitted".
- I. Do not use automatic flush bolts.
- J. Electrical panels, telephone terminals, computer junctions, audiovisual cables and EMS controls shall be placed in mechanical rooms - not in custodial lockers.

PART 3 - EXECUTION

3.01 GENERAL

- A. Deliver all templates, extra keys, instruction/technical manuals to Physical Plant prior to completion of the job.
- B. Allow budget and time for the campus lock shop to rekey to the University master system.