SECTION 08710

DOOR HARDWARE

PART 1 GENERAL

1.1 The purpose of this document is to support Stanford University building standards for door hardware. The University maintains the following hardware and is currently stocking replacement parts. The products listed in this booklet are to be used without substitution on new construction and modernization projects unless products are listed in this package as an alternate. It is the intent of this booklet to provide guidelines for the architect's specification section 08710, for product groups and the hardware schedule. It remains the architect's responsibility to coordinate these products to meet the applicable building codes, life safety codes, and ADA requirements.

1.2 DOOR AND FRAME PREPARATION
Before hardware installation, verify that all doors and frames are properly prepared to receive the specified hardware. Hollow metal frames shall be prepared for ANSI strike plates per A115.1-2 (4-7/8” high), hinge preps will be mortised and reinforced with a minimum of 8 gauge reinforcement material for closer installation. Hollow metal doors shall be properly prepared and reinforced with a minimum or 16 gauge material for either mortised or cylindrical locks as specified. It is preferred that all hollow metal doors receiving door closers have 12 gauge reinforcement. If this is not possible, the use of sex bolts is mandatory. Wood doors shall be factory prepared to receive the scheduled hardware.

1.3 HARDWARE INSTALLATION
The manufacturer’s representative for the locking devices and closing devices must inspect and approve, in writing, the installation of their products. Hardware installed incorrectly must be reported to the architect prior to the architect’s final punch list.

PART 2 PRODUCTS

2.1 Substitutions or Alternates not permitted unless noted below.
2.2 DOOR HARDWARE
A. Hanging Devices
   Cont.Hinge Select SL-11HD Mortise (All new construction exterior doors)
   SL-21HD Surface (All exterior existing doors)
   Butt Hinge Hagar BB1199 x NRP (Typical at exterior)
   BB1168 x NRP (Typical at interior)
B. Securing Devices
   Lock Set Schlage Cylindrical Locks
   ND Series x Rhodes:
   1. Interior Doors:
      ND 10S Passage Lock
      ND 40S Privacy Lock
      ND 53JD Entrance Lock
2. Exterior Doors:
- ND91JD Office Lock
- ND92JD Entrance Lock
- ND94JD Classroom Lock
- ND96JD Storeroom Lock

3. Mortise Locks
- L Series x 06A:
  - L9010 Passage Lock
  - L9040 Privacy Lock
  - L9050J Office Lock
  - L9070J Classroom Lock
  - L9080J Storeroom Lock
  - L9453J Entrance Lock

Note: Use L94XX deadbolt function on all exterior doors

4. Electronic Lock Schlage wa5296-pxh-06-lfs-fse-elb (Cylindrical Locks)
   - Stanford University to verify wa locations and Models
   - Locks to be supplied with Schlage 6 pin I.C. Core 1 bitted E

   - Stanford University to verify WA locations and Models.
   - Locks to be supplied with Schlage 6 pin I.C. Core 1 bitted E keyway

Note: see Section 17920.100 regarding Access Control Enterprise System requirements.

C. MISC. DOOR HARDWARE
   Description Manufacturer Model / Series
   Exit Device Von Duprin CD99NLx990NL”Trim Pull” (at exterior single doors)
   CD99NLx990NL”Trim Pull” x CD99DTx990DT “Dummy Trim” . Do not use CD panic devices on electronic exterior doors.
   xSNBxKR4954 Mullion x 154
   99L-F-994L (F-rated single doors)
   99L-F-994L x 99EO-F x KR9954 Mullion x 154 (F pairs)
   Stanford University Lock Shop to verify KR mullion locations
   All KR mullions to be provided with MT54 storage mount
   Stanford University Lock Shop to verify location of MT54 storage mount
   All cylinders to be Schlage 6 pin I.C. Core 1 bitted E keyway.
   Auxiliary Locks Schlage CL & KS Series (Cabinets, Drawers & Padlocks)
   Key System Schlage All keying and keyways to be provided by Stanford University Lock Shop
   Coordinator Trimco 3092 (Storage & Utility rooms)
   Use coordinator only where required by fire code
   Flush Bolts Ives FB31P (Automatic) (metal doors) (Storage & Utility rooms)
   FB41P (Automatic) (wood doors) (Storage & Utility rooms)
   FB51P (Manual) (metal doors) (Storage & Utility rooms)
   FB61P (Manual) (wood doors) (Storage rooms)
   Closing Device
   Closer LCN 4041 - TB
   4041 EDA - TB
   Stanley or Besam (ADA Auto Operator)
Stops & Holders
Door Holder Glynn-Johnson 100ADJ series (Overhead)
280 Series (Overhead) (F-rated doors)
Ives WS45 (Wall Auto. Holder)
FS41 (Floor) (allow for max swing of door)
Door Stops Ives FS436/FS435 (Interior floor)
FS18S (Exterior Floor) (allow for max swing of door)
WS401/WS402 (Wall Bumpers)

Accessories
Kick Plate Ives 8400 10” x 2” LDW x .050” Thick x B3E (Single doors)
10” x 1” LDW x .050” Thick x B3E (Pair doors)
Mop Plate Ives 8400 10” x 2” LDW x .050” Thick x B3E (Single doors)
10” x 1” LDW x .050” Thick x B3E (Pair doors)
Push/Pull Plates Ives 4 x 16
Threshold National Guard Prod. 896S (1/2” x 5” Step threshold)
R900 Series ramp thresholds at modernization projects

Architect to coordinate with project conditions
Smoke Seal National Guard Prod. 2525 (1/4 x 3/8 Silicone bulb with adhesive tape)
Fire Seal National Guard Products 5020 (For use on positive pressure doors)
Weather Seal National Guard Prod. 162SA (Captured gasket raceway)
DCI Semi-automatic flush bolts (For use on fire doors)
700SA (1/4” solid bar) modernization projects
Door Silencer Ives SR64
Astragal National Guard Prod. 139SS (Wood doors) (Use only where required by fire code)

Astragal by door manufacturer at HM door
Drip Guard National Guard Prod. 17D x 4” PDW (Exterior doors exposed to rain)

Note: Hardware finish to be determined per project.

END OF SECTION