

SECTION 08710

DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY:

- A. The purpose of this document is to support the Stanford Hospital and School of Medicine standards for door hardware. The Medical Center's Lock Shop maintains the following hardware and is currently stocking replacement parts. The products listed in this section are to be used without substitution on new construction and modernization projects. Changes to this requirement will be in writing to the Owner for review and approval.
- B. It is the intent of this section to provide guidelines for the architect's specification, 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 PREP:

- A. 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 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:

- A. 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.
- B. In addition to the above the following will be observed:
 - 1. The SHC Security Lock Shop will be in charge of all re-keying and keys
 - 2. Construction Locks: All construction locks will be on construction key "0" or "1" bitted I/C core 626 "C" keyway.

3. Schlage mortise locksets shall be used throughout the buildings, 03 lever style.
4. All key code will be furnished by the SHC Security Lock Shop. Contact the Lock (723-6370) Shop 4-months before project completion.
5. All keys will be stamped with hook number and Do Not Duplicate (DND)
6. If keyed by manufacturer (Schlage) or contractor: A release letter from the SHC Security Lock Shop will be required to release the keyway. Order cylinders S – ST – DQ – Q keyway
7. If keys are not construction cores, contractor will provide keys and label keys with permanent room numbers. 2-keys per room and control key.
8. All locks shall be Schlage mortise lock sets or cylindrical locksets.

Description	Manufacturer	Model / Series
<u>Hanging Devices</u>		
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)
<u>Securing Devices</u>		
Lock Set	Schlage	<u>Cylindrical Locks</u> D Series x Rhodes: Interior Doors: D10S Passage Lock D40S Privacy Lock D50JD Office Lock D53JD Entrance Lock D70JD Classroom Lock D80JD Storeroom Lock Exterior Doors: D91JD Office Lock D92JD Entrance Lock D94JD Classroom Lock D96JD Storeroom Lock <u>Mortise Locks</u> L Series x 06A or 03A L9010 Passage Lock L9040 Privacy Lock L9050J Office Lock L9070J Classroom Lock L9080J Storeroom Lock L9453J Entrance Lock ➤ Use L94XX deadbolt function on all exterior doors
Stand Alone Electronic Locks		
Alarm Lock	T2	DL2700 x RHO/SAT 626 Keypad entry w/key override
	T3	DL3000 x RHO/SAT 626 Keypad entry w/key bypass
	T3	PDL3000 x RHO/SAT 626 Keypad/prox w/key bypass

OMNI Locks	Schlage Schlage Von Duprin	Use 2000 series dual prox-black finish ND – Cylindrical Rhodes Lever Mort – Mortise 03 Lever Panic
Panel Device	Von Duprin	260 Finish unless building has 613 hardware specified Rim Devices 33 – Narrow Glass Doors 99 – Metal/Wood Doors Mortise 9975 Concealed Vertical Rod 3347 – Narrow Glass Doors 9947 – Metal Doors 9947 WDC – Wood Doors
Note: Use ONLY Schlage I/C Housings for Outside Trim		
		Rim Devices 20-079 x 626 Mortise 26-094 x 626
For Doors with High Cart Traffic (Von Duprin Impact Series)		
		Concealed Vertical Rods 9447 Mortise 9475
Exit Devices	Von Duprin	CD99NL x 990NL “Trim Pull” (at exterior single doors) CD99NL x 990NL “Trim Pull” x CD99DT x 990DT “Dummy Trim” xSNBxKR4954 Mullion x 154 99L-F-994L (F-rated single doors) 99L-F-994L x 99EO-F x KR9954 Mullion x 154 (F pairs) ➤ SHC Lock Shop to verify KR mullion locations ➤ All KR mullions to be provided with MT54 storage mount ➤ SHC Lock Shop to verify location of MT54 storage mount ➤ All cylinders to be Schlage 6 pin I.C. Core
Auxiliary Locks	Schlage Corein National	CL & PL Series (Padlocks) 0737 Series Square Back (Cabinets & Drawers) 200DW & 500DR Series Sq Back (Cabinets & Drawers)
Key System	Schlage	All keying and keyways to be approved by SHC Security Lock Shop
Coordinator	Ives	COR2 x FB1 x BX bracket (Storage & Utility rooms) ➤ Use coordinator only where required by fire codes

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
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Closing Device

Closer	LCN	4011 / 4111 – TB 4041 EDA – TB 4620 (ADA Auto Operator)
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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 Door) FS18S Exterior Floor (allow for max swing of door) WS401/WS402 Wall Bumpers

Fire-Rated and Panic Mortise Lock Devices

Push Device	Inpact	9475-F Models (Single Door) 9447-F Models (Double Door)
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Accessories

Kick Plate	Ives	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	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	Nat'al Guard Prod	896S (1/2" x 5" Step threshold) R900 Series ramp thresholds at modernization projects ➤ Architect to coordinate with project conditions
Smoke Seal	Nat'al Guard Prod	2525 (1/4 x 3/8 Silicone bulb with adhesive tape)
Fire Seal	Nat'al Guard Prod	5020 (For use on positive pressure doors)

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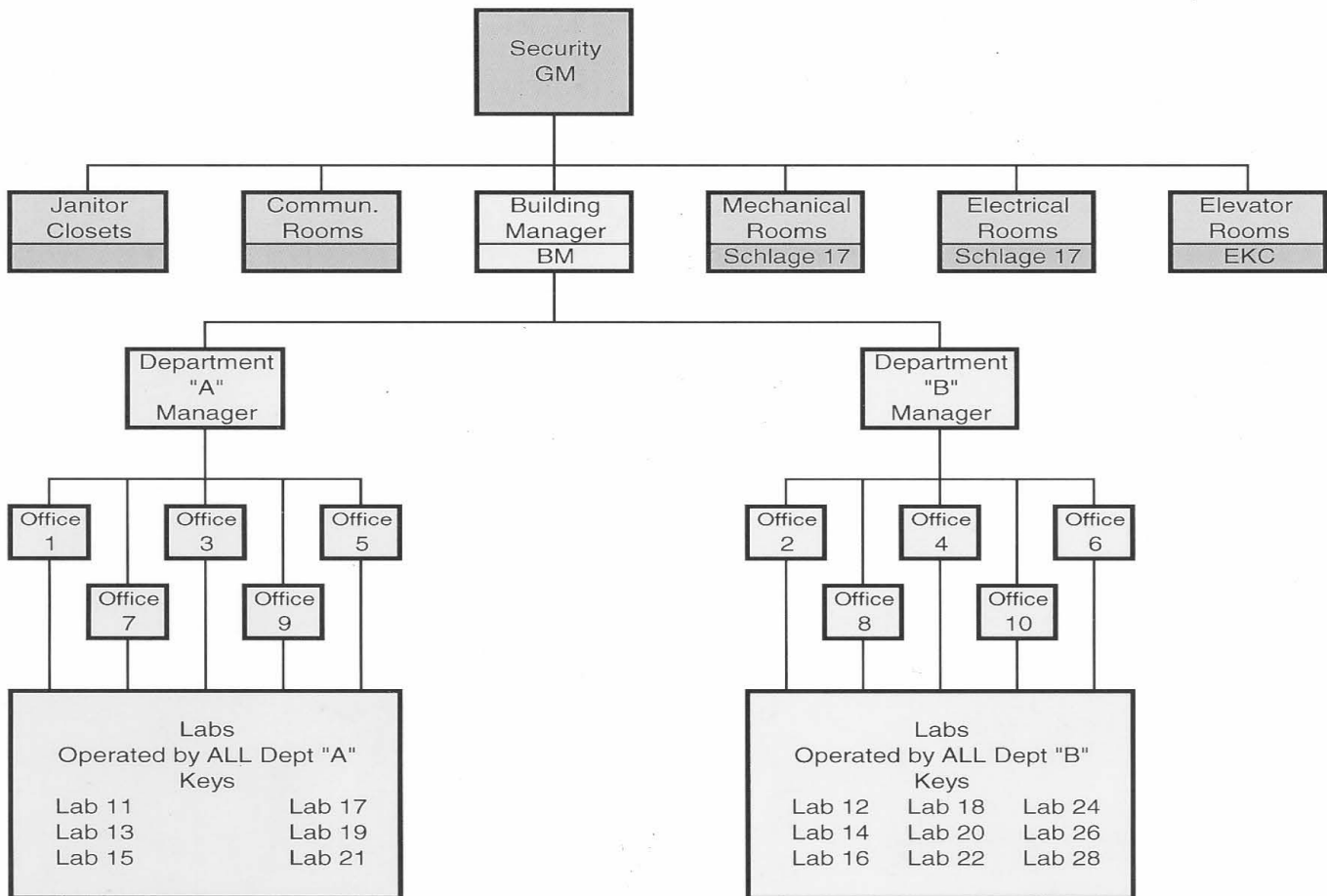
Weather Seal	Nat'al Guard Prod	162SA (Captured gasket raceway) 700SA (1/4" solid bar) modernization projects
Door Silencer	Ives	SR64
Astragal	Nat'al Guard Prod	139SS (Wood doors) Use only where required by code ➤ Astragal by door manufacturer at HM door
Drip Guard	Nat'al Guard Prod	17D x 4" PDW (Exterior doors exposed to rain)

Note: **Hardware finish to be determined per project.**

**ANY DEVIATION FROM THIS DOOR HARDWARE SCHEDULE
REQUIRES AUTORIZATION FROM THE SCHOOL OF MEDICINE**

END OF SECTION

TYPICAL BUILDING "KEYING" PLAN



- 1 How many keys are needed for each building _____
- 2 How many keys are needed for each department _____
- 3 How many keys are needed for each office _____
- 4 How many keys are needed for combination office/lab _____
- 5 How many keys are needed for labs _____

Building Access via "Card Readers" including Elevator Cars. _____

GM = Grand Master, BM = Building Master, DM = Department Master, OF = Office Key, LK = Lab Key