

## SECTION 08 71 00 - DOOR HARDWARE

### 1.1 SUMMARY

- A. All locksets shall be heavy duty mortise type with lever handles meeting ADA requirements.
- B. Keying schedules will be done by the University Department of Physical Security Services in conjunction with affected departments. All cylinders shall be installed under the University's Key Control System.
- C. Note: Due to the use of a restricted keyways and keys, Medeco will not ship cylinders to the contractor. The contractor shall arrange for direct shipment to the University locksmith at the Physical Security Services Department. The Physical Security Services Department will issue cylinders and keys to the contractor as required.
- D. Reference Divisions 25, 26, 27, and 28 of the CWRU Facility Standards, to ascertain how electronic exits or panic bars are connected to other systems.
- E. All maintenance, housekeeping and CWRU net rooms shall be storeroom function lockset, i.e., no unlocking capability without a key.
- F. Functional capabilities of locksets for all other rooms shall be determined and reviewed with the user.
- G. Heavy duty hinges shall be used on all doors over three feet in width and on door openings less than three feet in width that require an extra heavy duty door.
- H. All existing, unused cylinders shall be returned to the Physical Security Services Department prior to Substantial Completion of the Work.
- I. Coordinate with CWRU Keyshop for final design approval.

### 1.2 WARRANTY

- A. Materials and Workmanship: Three (3) years from the date of Substantial Completion.

### 1.3 DOOR HARDWARE PRODUCTS AND MANUFACTURERS

- A. Rim and Mortise Cylinders for High Security Locksets (All with 6 Pins)
  - 1. Assa Abloy, Medeco OPC-FN-KY
  - 2. Series 10-0100, 10-0200, 10-0500, 10-0510 etc.
  - 3. Cam: CT-Z01 (or match new hardware)
  - 4. 1-1/8 inch up to 8 inch Mortise Cylinder
  - 5. Metal Finish as selected by Owner from following.
    - a. Bright Brass #605 (US3).
    - b. Satin Brass #606 (US4).

- c. Oil Rubbed Bronze #613 (US10B).
  - d. Bright Chrome #625(US26).
  - e. Satin Chrome #626 (US26D) (Standard).
  - f. Match existing where appropriate.
- 6. Keyway: KY-106600-0100
- 7. Pin Kit: K-1002
  - a. 10 Series Bottom and Drivers Pins
- B. Rim and Mortise Cylinders for Von Duprin Exit Devices
  - 1. Assa Abloy, Medeco OPC-FN-KY
  - 2. Series 10-0400H
  - 3. Stem: CT-Y02
  - 4. 1-1/8 inch Rim Cylinder
  - 5. Metal Finish as selected by Owner from following.
    - a. Bright Brass #605 (US3).
    - b. Satin Brass #606 (US4).
    - c. Oil Rubbed Bronze #613 (US10B).
    - d. Bright Chrome #625(US26).
    - e. Satin Chrome #626 (US26D) (Standard).
    - f. Match existing where appropriate.
- C. Rim and Mortise Cylinders for Schlage Locksets (Grade 1, D Series)
  - 1. Assa Abloy, Medeco OPC-FN-KY
  - 2. Series 20-200HI
  - 3. Stem: CT-Y02
  - 4. 1-1/8 inch Rim Cylinder
  - 5. Metal Finish as selected by Owner from following.
    - a. Bright Brass #605 (US3).
    - b. Satin Brass #606 (US4).
    - c. Oil Rubbed Bronze #613 (US10B).
    - d. Bright Chrome #625(US26).
    - e. Satin Chrome #626 (US26D) (Standard).
    - f. Match existing where appropriate.
- D. Cylinders for Dormitory Room Door Locksets and Doors Controlled by Card Reader Access.
  - 1. Best Access/Stanley IE74-C4-PP Mortise Cylinders and IE72-52-RP3 Rim Cylinders.
    - a. RP Standard Rims Package
    - b. IE-R3 and IE-R5 Rings or RP-1 Ring Package
- E. Cylinders for Sliding Door Locksets.
  - 1. Best/Stanley 4S Series Sliding Door Cylinders.

- a. 4573 4573 7 pin (J) 7 pin
  - b. 1C7J1-KS473-KS800 Operating Key.
- F. Fire Department Boxes for Elevator Keys (except building in Cleveland Heights which uses Knox Boxes)
  - 1. Key Systems (1-800-888-3553
  - 2. Chit-Key Vault
  - 3. Standard Size 18 gauge brushed
  - 4. Stainless Steel / with Best ICJ-Cores – 7 pin
- G. Padlocks
  - 1. Assa Abloy, Medeco brass body padlocks, 0100 K/W
  - 2. Best/Stamley Masterlocks.
- H. Special Security
  - 1. Folger Adams Products Sliding Devices
  - 2. Best for dormitories.
- I. Specialty Locks
  - 1. AdamsRite Miscellaneous Locks
- J. Door Closers:
  - 1. LCN Heavy Duty Closers only.
- K. Locksets and Latchsets:
  - 1. Schlage.
    - a. CM Locking System.
    - b. Schlage Computer managed CM Locks are stand-alone.
  - 2. Best/Stamley.
    - a. Security Solutions.
    - b. 45HBV7Designs
    - c. Mortise Basis of Design.
  - 3. Sargent.
    - a. Mortise Deadbolt.
    - b. Number 4870 Series.
    - c. Number 8200 Series Deadbolt.
  - 4. Corbin-Russwin.
  - 5. Security Guard Mortise Locksets for Classrooms.
  - 6. Some Brinks and Southern Steel Institutional mortise locksets occur on campus.

L. Gate Locks:

1. Marks Gate Locks
  - a. 3700 Series for Swing Gates.
  - b. 3800 Series for Sliding Gates.

M. Exit Devices:

1. 33 and 99 Von Duprin only.
2. All doors that are monitored or provided with access control devices shall be provided with mechanical exit devices hardware that has the ability to be manually locked in the event of a failure with the Access Control System.

N. Electric Strikes:

1. Assa Abloy, HES, 1006 Series, 12 volt.

O. Locksets:

1. Schlage.
2. Sargent.
3. Best.
4. Corbin/Russwin.

P. Door Hardware:

1. Ives.

Q. Key Cabinets:

1. HPC.

1.4 FIELD QUALITY CONTROL

- A. Post-occupancy Adjustment: Six (6) months after the date of Substantial Completion.

END OF SECTION