08 71 00 Door Hardware

Missouri State University has determined that standardization of hardware on our campuses is vital in an effort to provide the best service possible for the students, faculty, and staff that we serve. To that end, the following items are to be used on all our projects constructed on our campuses. A proprietary specification is in the best interest for our university. Deviation from the standards listed below will require prior written approval from the director of Planning, Design & Construction. Any request to deviate from these standards must be submitted in a timely fashion to allow for a thorough review and possible testing of the substitution.

All hardware shall be specified to provide a fully functional, secure, and weatherproof installation as required for all doors. The university does not limit the manufacturer of hardware not listed in the following standards. Quality hardware not listed here shall be selected that will be in the best interest of the project being designed. Any finish hardware specification shall be written by a certified Architectural Hardware Consultant that is either familiar with Missouri State University standards or shall have direct communications with the University during the development of the specification.

Locksets

The standard lockset for campus is a YALE SL8800 series mortise locksets, no substitutions. Locksets are to be supplied with the Carmel, CRSL, lever handle. The functions to be used are:

For offices: Classroom or Office Lock – CRSL 8809 FL LC
For classrooms: Classroom or Office Lock - CRSL 8809 FL LC
Storerooms: Storeroom Lock – CRSL 8805 FL LC
Rooms not requiring a lockable door: Passage or Closet Latch – CRSL 8801 FL LC

In a renovation or under special circumstances, a cylindrical lockset may be needed. When the project condition requires this, the following locksets are to be used.

For offices where locking is required: Entrance Lock -- PB 5407 LN LC
For classrooms: Dormitory or Exit Lock -- PB 5408 LN LC
Storerooms: Storeroom Lock -- PB 5405 LN LC
Rooms not requiring a lockable door: Passage or Closet Latch -- PB 5401 LN

Stand Alone Pushbutton Lockset

Where a push-button lockset is desired for access control, the manufacturer shall be Alarm Lock, with MEDECO cylinders provided, no substitutions. The series to be used for different applications are: Trilogy T2 Digital DL3500 series for mortise applications
(Has no scheduling or audit trail, with key override)
Trilogy T2Digital DL2700 Series for cylindrical applications
(Has no scheduling or audit trail, with key override)
Trilogy T3 Digital CL2800 series for mortise or cylindrical applications
(2,000 user codes, 40,000 event audit trail, 500 scheduled event capability)
Panic or Exit Devices

Panic or exit devices shall be manufactured by Allegion, Von Duprin, no substitutions. The exit devices shall be series 99 with grooved case. Where dogging is required, standard hex key dogging or MEDECO cylinders are required as applicable to hardware.

Door Closers

All door closers shall be manufactured by LCN, no substitutions. Actual closer shall be selected based upon the need. All surface mounted shall be through bolted.

Door Stops

When required, door stops shall be wall mounted, selected to coordinate with the door hardware. Proper wall blocking shall be provided behind the stop. Floor stops shall be avoided if at all possible due to the additional work required in floor maintenance around a floor mounted stop.

Cylinders

All cylinders shall be Medeco, high security cylinders under the K3S Keyway with Z47 cams. As part of the complete hardware to be provided for the project, the contractor shall provide all cylinders as needed for the project. A letter of authorization will be provided by the University to the contractor upon award of any contract allowing the purchase of the restricted section product.

Key Blanks

The Contractor shall provide the University one (1) box of Medeco key blanks for every thirty (30) cylinders provided for a project. When less than 30 cylinders are required on a project, no key blanks need to be provided. For example, if 30 - 59 cylinders are needed, 1 boxes of key blanks will be expected, if 60 – 89 cylinders are needed 2 boxes of key blanks are needed, etc.

Part No. – KY 176600 K305N (qty. 100)

General Notes

- All restricted cylinders and key blanks for the project shall be supplied by the contractor and shipped directly to the Academic Locksmith at Missouri State University. The cylinders will be keyed and installed by the University. Shipping labels and cylinders and key blanks should be clearly labeled with the University’s project number and sent to the following address:
  Missouri State University
  Facilities Management
  Attn: Academic Locksmith
  901 South National Avenue
  Springfield, Missouri 65897
• The Planning, Design & Construction project manager shall be notified when the cylinders and key blanks have been shipped in order to alert the academic locksmith they will be arriving shortly.

• The contractor is responsible for the project site during construction. For any locks installed at a perimeter fence or for any temporary cores or cylinders installed within the construction, 2 copies of the keys to access the site and building shall be distributed to the project manager. The project manager will distribute one set of these keys to the University Security Dispatch Center while maintaining one set in Planning, Design & Construction. These keys shall be used in the event of an emergency and access to the site is needed.

• No magnetic locks of any type will be accepted.

• The finish on all exposed hardware shall be satin chrome plated, 626.

The above standard is for the academic facilities on our campus. Any work done within the residence halls is subject to different requirements. Please contact your project manager for details on hardware required for work in those facilities.