

SECTION 087112

SLIDING DOOR LOCKING HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide sliding door locking and operating hardware.
- B. Related Sections: Coordinate with the following as applicable:
 - 1. Section 087111 – Sliding Door Track and Hardware Systems.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's literature including product characteristics and accessories.
- B. Shop Drawings: Submit details of construction and mounting. Provide templates for hardware preparation of doors and frames to be performed in factory.
- C. Closeout Submittals:
 - 1. Operation and Maintenance Data.
 - 2. Provide any specialized tools required for Owner's adjustments.

1.3 QUALITY ASSURANCE

- A. Manufacturer: Minimum of 3 years experience manufacturing similar products.
- B. Installer: Minimum of 2 years experience installing similar products.
- C. Field Measurements: Coordinate with field measurements to ensure proper support and installation.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials and products in unopened factory labeled packages. Store and handle in strict compliance with manufacturer's instructions and recommendations.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Basis-of-Design: Cavity Sliders, 548 Finney Ct., Gardena CA 90248. Toll Free 1-866-466-0030. Fax 310-769-5824.

2.2 LOCKING AND OPERATING HARDWARE

- A. Magnetic Sliding Door Locks: Cavilock CL400 Magnetic by Cavity Sliders with the following characteristics:

1. Function: [Passage] [Passage with Magnet] [Privacy] [Privacy with Indication] [Bi-parting] [Key locking].
 2. Handle: Wrap-around.
 3. Door Thickness: 1-3/8 to 2-1/4 inches (34 – 58 mm).
 4. Height: 7-1/8 inches (181 mm).
 5. Width: 2-3/8 inches (60.5 mm).
 6. Strike: [Flush with closing jamb] [Barn Door Strike].
 7. Finish: [Satin Chrome] [Satin Nickel] [Bright Chrome] [Oil Rubbed Bronze] [Matte Black].
 8. Features:
 - a. Magnetic catch and plunger system.
 - b. Positive grip for heavy doors.
 - c. Front edge incorporates finger hole to retrieve door from pocket.
- B. Magnetic ADA Sliding Door Locks: Cavilock CL400 ADA Magnetic by Cavity Sliders with the following characteristics:
1. Function: [Passage] [Privacy] [Emergency Release] [Bi-parting].
 2. Handle: ADA Handle.
 3. Door Thickness: 1-3/8 to 2 inches (34 – 52 mm).
 4. Height: 7-1/8 inches (181 mm).
 5. Width: 3-1/4 inches (81 mm).
 6. Strike: Flush with closing jamb.
 7. Finish: [Satin Chrome] [Satin Nickel] [Bright Chrome] [Oil Rubbed Bronze] [Matte Black].
 8. Features:
 - a. Magnetic catch and plunger system.
 - b. Front edge incorporates finger hole to retrieve door from pocket.
- C. Sliding Door Locks: Cavilock CL200 by Cavity Sliders with the following characteristics:
1. Function: [Passage] [Privacy] [Bi-parting].
 2. Handle: Non-handed.
 3. Door Thickness: 1-3/8 to 2-1/4 inches (34 – 58 mm).
 4. Height: 5 inches (126 mm).
 5. Width: [1-3/8 to 1-1/2 inches (33 to 40 mm)] [1-5/8 to 1-3/4 inches (40 to 46 mm)].
 6. Strike: 3/8 x 1/2 x 1-3/16 inches (9.5 x 13 x 30 mm).
 7. Finish: [Satin Chrome] [Satin Nickel] [Bright Chrome] [Oil Rubbed Bronze] [Matte Black].
 8. Features:
 - a. Magnetic latching for privacy handles.
 - b. Snib button allows more space in side pull.
 - c. Large finger hole to retrieve door from pocket.
- D. Sliding Door Mortise Lock with Lever: CL100 Mortise Lock with Cavilock CL100 Lever by Cavity Sliders with the following characteristics:
1. Function: [Passage, Lever Only] [Key/Key] [Key/Turn] [Key One Side] [Turn/Emergency].
 2. Handle: Vertical Lever.
 3. Lever Height: 4-23/32 inches (120 mm).
 4. Lever Projection: 2-11/64 inches (55 mm).
 5. Escutcheon: 25/64 inches (10 mm) deep by 1-57/64 inch (50 mm) diameter.
 6. Finish: [Satin Chrome].
 7. Features:

- a. Vertical lever grip enables a positive pull action.
 - b. Suitable for pocket doors and surface sliding doors.
- E. Sliding Door ADA Mortise Lock with Lever: CL100 ADA Lever by Cavity Sliders with the following characteristics:
 - 1. Function: [Key] [ADA Turn/Key] [ADA Turn/Emergency].
 - 2. Handle: Vertical Lever.
 - 3. Lever Height: 4-23/32 inches (120 mm).
 - 4. Lever Projection: 2-11/64 inches (55 mm).
 - 5. Finish: [Satin Chrome].
 - 6. Features:
 - a. Easily operable without pinching, grasping or twisting of the wrist.
 - b. Vertical lever grip enables a positive pull action.
 - c. Suitable for pocket doors and surface sliding doors.
- F. Sliding Door ADA Mortise Lock with Lever: CL100 ADA LaviLock by Cavity Sliders with the following characteristics:
 - 1. Function: Privacy with indicator and emergency release.
 - 2. Handle: Vertical Lever.
 - 3. Lever Height: 4-23/32 inches (120 mm).
 - 4. Lever Projection: 2-11/64 inches (55 mm).
 - 5. Finish: [Satin Chrome].
 - 6. Features:
 - a. Self-latching.
 - b. Vertical lever grip enables a positive pull action.
 - c. Suitable for pocket doors and surface sliding doors.
 - d. Free to egress.
- G. Sliding Door ADA Indicator Mortise Lock with Lever: CL100 ADA Indicator Lock by Cavity Sliders with the following characteristics:
 - 1. Function: Privacy with indicator and emergency release.
 - 2. Handle: Vertical Lever.
 - 3. Lever Height: 4-23/32 inches (120 mm).
 - 4. Lever Projection: 2-11/64 inches (55 mm).
 - 5. Finish: [Satin Chrome].
 - 6. Features:
 - a. Self-latching.
 - b. Vertical lever grip enables a positive pull action.
 - c. Suitable for pocket doors and surface sliding doors.
 - d. Free to egress.
- H. Sliding Door Mortise Lock with FlushTurn: CL100 Mortise Lock with CaviLock CL100 Flush Turn by Cavity Sliders with the following characteristics:
 - 1. Function: [Passage, Flush Turn Only] [Key/Key] [Key One Side].
 - 2. Handle: Vertical Lever.
 - 3. Door Thickness: 1-1/2 inches (37 mm) minimum.
 - 4. Flush Turn Diameter: 2-53/64 inches (72 mm).
 - 5. Pull: Flush pull.

6. Escutcheon: 3/64 inches (1.2 mm) deep by 2 inch (50 mm) diameter.
 7. Finish: [Satin Chrome].
 8. Features:
 - a. Shallow fitting depth and positive feel to the turn.
 - b. Suitable for pocket doors and surface sliding doors.
- I. Sliding Door Handle: Louey SideHandle by Cavity Sliders with the following characteristics:
1. Height: 5-3/32 inches (129 mm).
 2. Width: 2 inches (50.5 mm).
 3. Recess: 3/8 inches (9.5 mm).
 4. Finish: [Satin Chrome] [Oil Rubbed Bronze].
- J. Sliding Door Edge Pull: Timber EdgePull by Cavity Sliders with the following characteristics:
1. Height: 3-11/32 inches (85 mm).
 2. Width: 3/4 inches (19 mm).
 3. Finish: [Satin Chrome] [Oil Rubbed Bronze].

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Steel Doors and Frames: Comply with ANSI/ BHMA A156-115.
- B. Wood Doors: Comply with ANSI/ BHMA A156-115W.

3.3 INSTALLATION

- A. Install products in strict accordance with manufacturer's instructions, approved submittals and in proper relationship with adjacent construction.
- B. Mounting Heights: Mount door hardware units at heights indicated in the following applicable publications, unless specifically indicated or required to comply with governing regulations:
1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
 2. Custom Steel Doors and Frames: DHI's "Recommended Locations for Builders' Hardware for Custom Steel Doors and Frames."
 3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
- C. Test for proper operation and adjust until satisfactory results are obtained. Replace units which do not operate properly.

3.4 CLEANING

- A. Clean surfaces to remove soiling, stains, dust, and dirt using materials acceptable to manufacturer.

END OF SECTION