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