Corbin Russwin®
ASSA ABLOY

# FE6600 Series
## Multi-Point Locks

# Product Catalog

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FE6600.2

## Certification Compliance

| | |
|---|---|
| **ANSI/BHMA** | Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims.<br>**Note:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements. |
| **ADA** ♿ | Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities |
| **UL-cUL** | UL and cUL Listed to US and Canadian safety standards for A label 4 x 8 single and 8 x 8 double (3-hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing |
| **Positive Pressure** | Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies |
| **California** | California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13 mm) of door face |
| **Tornado Codes** | See "Windstorm Certifications: UL Listings" |

## Windstorm Certifications: UL Listings

Listed below are certifications and standards met by the FE6600 Series lock.
Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies Ceco and Curries doors and frames.

| | |
|---|---|
| **FEMA Publication 320 (2014)** | "Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business," investigated with respect to impact and pressure requirements only. |
| **FEMA Publication 361 (2015)** | "Safe Rooms for Tornadoes and Hurricanes: Guidance for Community and Residential Safe Rooms" investigated with respect to impact and pressure requirements only. |
| **ICC 500 (2014/2020)** | "ICC/NSSA Standard for the Design and Construction of Storm Shelters," investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. Table 305.1.1 of ICC 500 correlates design wind speed to the minimum missile speeds. |
| **NFPA 80** | "Standard for Fire Doors and Other Opening Protectives" |
| **ASTM E300 (2002)** | Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference |
| **ASTM E1886 (2005)** | Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials |
| **ASTM E1996 (2019)** | Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes |

## Florida Building Code: FL3067
## UL Certification Directory: ZHEM.R21836 – Latching Hardware

| | |
|---|---|
| **ANSI/SDI A250.13 (2014)** | "Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies" |
| **ASTM E330 (2002)** | "Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"* |
| **ASTM E1886 (2005)** | "Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"* |
| **ASTM E1996 (2009)** | "Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"* |
| **(TAS) 201 (1994)** | "Impact Test Procedures"* |
| **(TAS) 202 (1994)** | "Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"* |
| **(TAS) 203 (1994)** | "Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"* |

* Published in the 7th Edition (2020) "Florida Building Code" (FBC), State Product Apporval Number FL3067

Any retrofit or other field modification to a fire and/or windstorm rated opening can potentially impact the fire rating of the opening, and Corbin Russwin makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire and/or windstorm rated opening, or specifying and installing a new fire and/or windstorm rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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The Corbin Russwin FE6600 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FE6600 Series is UL Classified for FEMA P-361 (2015), FEMA P-320 (2014), ICC 500 (2014/2020) and Florida Building Code (FBC) capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

Lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FE6600 Series device can also used on fire-rated doors.

## Innovation

- Unique and robust multi-point, deadlocking system engineered to help save lives
- Integrated with the Ceco Door StormPro® 361 and Curries StormPro® 361 doors and frames and McKINNEY StormPro® hinges to provide an opening that meets tornado and hurricane shelter guidelines.
    - For Windstorm Certifications, see page 3

## Applications

- Perfect for community refuge areas where people seek protection from strong wind events
- Community shelters and safe rooms, corporate campuses, schools, healthcare facilities, and government facilities
- Hardware must be installed by a factory trained installer

## Strength & Durability

- UL 3-hour fire rating
- Extra heavy-duty steel components secure the door to the frame
    - Multiple locations: top, bottom, and center latch points
    - Fortifies opening to withstand extreme wind speeds and flying debris
- Heavy-duty sectional trim standard
- Fortified with high-tensile alloy fasteners
- Thru-bolted to door for solid attachment

## Features

- Utilizes unique mortise lockbody assembly specifically for tornado shelter applications:
    - Three latch points project automatically; fourth latch point with a single motion
    - Dogging option allows device to operate as standard mortise lock with a single latch point
    - Concealed vertical rods for additional security
    - Available with access control options
    - Inswing and outswing applications
    - Concealed vertical assembly (rods, latches and cassette) will be pre-installed in the Ceco Door StormPro® 361 and Curries StormPro® 361 door.
    - ICC 500 (2014/2020) certification
    - ANSI/BHMA A156.37 Grade 1 certified
    - Seven-year warranty
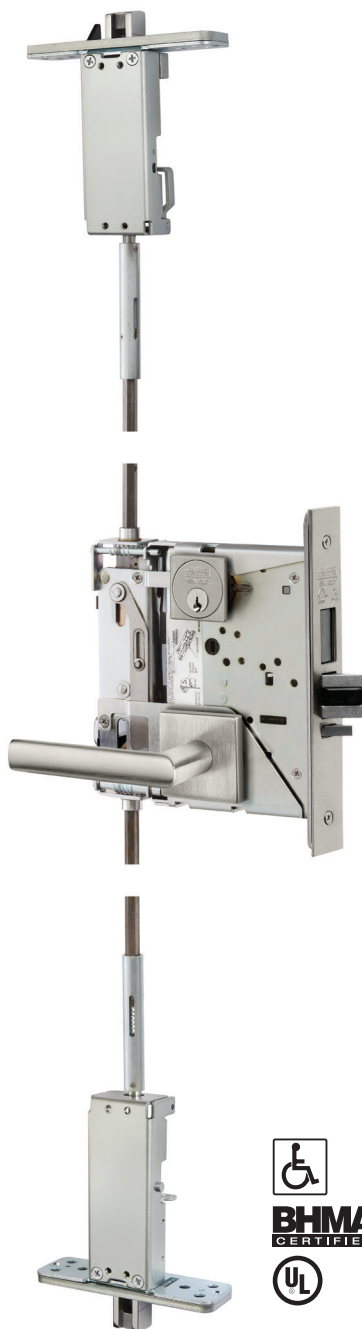
## Specifications

| | |
|---|---|
| **Door** | 1-3/4" thick door only – FE6600 Series requires utilizing Ceco Door StormPro® 361 and Curries StormPro® 361 doors and frames. McKINNEY® StormPro® hinges are required when used as a certified tornado solution |
| **Mounting** | Supplied fasteners are for metal doors with thru-bolts for trim |
| **Hand** | Handed; specify RHR, LHR, RH or LH |
| **Lockbody** | Unique mortise lockbody assembly used specifically for tornado shelter applications |
| **Top Bolt** | Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate |
| **Bottom Bolt** | Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate |
| **Center Bolts** | Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection |
| **Lock Front** | 1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener |
| **Center Bolt Strike** | 1/4" thick stainless steel |
| **Backset** | Lever: 2-3/4" standard;  Rods: 5-1/4" |
| **Door Thickness** | 1-3/4" standard |
| **Maximum Opening** | Single door 2'8" x 6'8" up to 4'0" x 8'0" and double doors 6'0" x 6'8" up to 8'0" x 8'0" (Double doors require 2-988CR surface bolts) |
| **UL Fire Listed** | UL 3-hour fire rating |
| **Trim** | Multiple sectional and escutcheon mortise trim with Standard or Muséo levers |
| **Cylinder** | Multiple mortise cylinders |

**Note**: For UL & Windstorm Certifications, see page 3

Attention:  Doors and frames must be ordered through Ceco and Curries in order for certifications to be met. See Door Specifications above for specific product offerings needed to meet assembly requirements.

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FE6600.5

# Functions & Descriptions

## FE6600 Series Multi-Point Locks

## Single Cylinder with Deadbolt

### FE6618 Classroom

- Inside trim is always unlocked
- Inside thumbturn only retracts and projects deadbolt
- When deadbolt is projected, inside trim retracts latchbolt and deadbolt simultaneously
- Key outside locks and unlocks outside trim
- When outside trim is unlocked, outside trim retracts latchbolt and deadbolt simultaneously
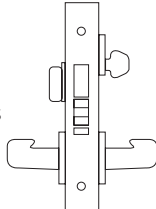
### FE6665 Exit/Dormitory

- Key outside or thumbturn inside retracts and projects deadbolt
- Trim from either side retracts latchbolt, when the deadbolt is in the retracted position
- Trim outside is locked, when the deadbolt is projected
- When deadbolt is projected, trim inside retracts latchbolt and deadbolt simultaneously, unlocking outside trim
- **ANSI F13**
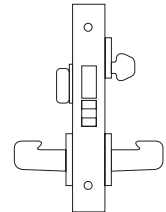
## Non-Keyed

### FE6680 Inside Passage

- Thumbturn retracts & projects deadbolt
- Trim inside retracts latchbolt & deadbolt simultaneously
- Blank outside escutcheon
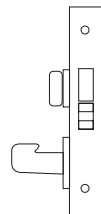
### FE6630 Privacy Bath

- Trim outside retracts latchbolt except when deadbolt is projected
- Trim inside retracts both latchbolt and deadbolt simultaneously, unlocking the outside trim
- Emergency release retracts and projects deadbolt - by coin, screwdriver, or emergency key (726F81) ordered separately
- Thumbturn retracts and projects deadbolt
- **ANSI F19**
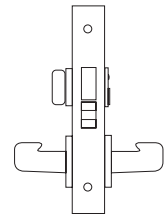
Note: This function allows free entry at all times, even when deadbolt is projected during possible severe weather conditions.

**Items of Note:**

- All function descriptions are specific to latchbolt and deadbolt operation only.
- The lock must have a deadbolt for a tornado rating.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code AUX188 . A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock. In an emergency,  un-dog the rods and the top/bottom latches will engage.

✦ **CAUTION: These functions require two separate motions for egress. Not recommended for use on any door used for Life Safety egress.**
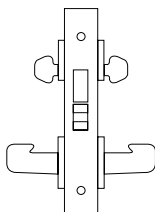
## Double Cylinder with Deadbolt

### FE6662 Classroom Security Intruder Deadbolt

- Key from either side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- **ANSI F33**

### FE6672 Classroom Security Intruder Auxiliary Deadbolt

- Key from either side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- Auxiliary deadlatch
- **ANSI F34**
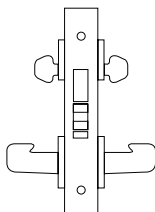
### FE6673 Classroom Security Intruder Deadlatch

- Key from either side retracts and projects deadbolt
- When deadbolt is projected, 1st key rotation retracts deadbolt, 2nd key rotation unlocks trim outside
- Key retraction of latchbolt from either side unlocks trim outside
- Trim outside retracts latchbolt, except when locked
- Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked
- Auxiliary deadlatch
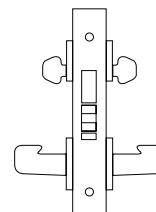
### ✦FE6675 Security Deadbolt

- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim inside & outside are locked only when deadbolt is projected
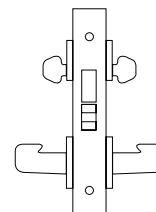
**Items of Note:**

- All function descriptions are specific to latchbolt and deadbolt operation only.
- Double cylinder functions require a key to activate deadbolt
- The lock must have a deadbolt for a tornado shelter rating.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code AUX188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock. In an emergency, un-dog the rods and the top/bottom latches will engage.
- If a double cylinder function is used for a shelter door, the emergency plan must ensure the double cylinders are latched in a timely manner.

**✦ CAUTION: These functions require two separate motions for egress. Not recommended for use on any door used for Life Safety egress.**

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## Electrified Mortise Locks with Standard Monitoring Options

Corbin Russwin FE6600 Series electromechanical mortise locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.37 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

## Featuring EcoFlex®*

**A SUSTAINABLE SOLUTION — GreenCircle CERTIFIED — CERTIFIED ENERGY SAVINGS**

- **Reduces energy consumption up to 96%, as certified by GreenCircle**
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- **Operates from 12-24VDC, offering greater flexibility in system design**

- **Innovative actuator design provides superior reliability**
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

*Patent pending*

### Electrical Requirements for electromechanical functions:

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current:
- Actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply
  (1/2 Amp peak current draw)
  Operating Temp.: Max. 151°F (66°C), Min –31°F (-35°C)
  UL and CUL listed for use on Fire Doors

**Note:** Repeated operation at voltage exceeding +/- 10% is not recommended

### M91 option - Latchbolt Monitor
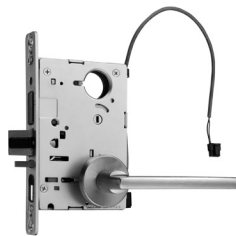- Please consult factory

### M113 option - Deadbolt Monitor
- Switch mounted internally in lockbody that indicates deadbolt position
- Available in all deadbolt functions

### No key override with deadbolt

| Fail Secure | FE66609 NAC SEC |
|---|---|

### Key override with deadbolt

| Fail Secure | FE66608 NAC SEC |
|---|---|

### Warning:
- **Do not** connect locks to a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source or before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

**Note:** Opening the lockbody or the actuator replacement in the field by non-authorized personnel voids UL label and lock warranty

### Description of Functions:
- Fail Secure;: Power off, lock outside trim
- Deadbolt projected and retracted by thumbturn only (for non-key override)
- Two switches mounted internally, within lockbody, to monitor lever rotation

## High Security Monitoring Options

### Internal End-of-Line Monitoring

Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

Select a compatible resistor configuration and add the appropriate prefix to your order string:
- R01 - EOL Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
- R03 - EOL Software House compatible 1KΩ/2KΩ resistance supervision
- R04 - EOL AMAG compatible 4-state supervision
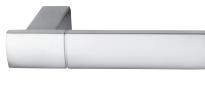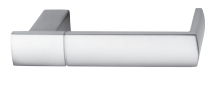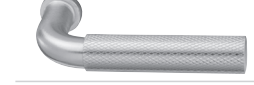
**Items of Note:**
- All function descriptions are specific to latchbolt and deadbolt operation only.
- The lock must have a deadbolt for a tornado rating.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code AUX188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock. In an emergency, un-dog the rods and the top/bottom latches will engage.
- ✦ **CAUTION: These functions require two separate motions for egress. Not recommended for use on any door used for Life Safety egress.**

Muséo levers are available in a broad array of designs and finishes allowing for uniformity throughout a facility when using the FE6600 Series locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Selector at selector.corbinrusswin.com.

## Georges Series

| | |
|---|---|
| | 139 |
| | 140 Handed |
| | 141 Handed |
| | 142 |
| | 143 Handed |

## Georgia Series

| | |
|---|---|
| | 102 |
| | 103 |
| | 104[3] |
| | 124[1] |
| | 143[1] |

## Jackson Series

| | |
|---|---|
| | 105[3] |
| | 117[3] |
| | 119[3] Handed |
| | 122[3] Handed |
| | 126[1,3] Handed |
| | 127[1,3] Handed |

## Josef Series[2]

| | |
|---|---|
| | 133 |
| | 134[1] |
| | 135 |
| | 136 |
| | 137[1] |
| | 138[1] |

## Laszlo Series

| | |
|---|---|
| | 147 |
| | 148 Handed |
| | 149 |
| | 150 |

1 Lever returns within 1/2" (13 mm) of door face.
2 135-138 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
3 Not available in 32D or 32 finish

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### Marc Series
(Handed Levers)

| | |
|---|---|
| | 111[3] |
| | 112[3] |
| | 114[3] |
| | 115[3] |
| | 116[3] |
| | 130[1,3] |
| | 131[1,3] |
| | 132[1,3] |

### Piet Series[2]

| | |
|---|---|
| | 21L |
| | 21M |
| | 21S |
| | 21G |
| | 23G |
| | 25M |
| | 27M |

### Salvador Series

| | |
|---|---|
| | 106 |
| | 107 |
| | 108 |
| | 109 |
| | 110 |
| | 123[1] |
| | 128[1] |

1 Lever returns within 1/2" (13 mm) of door face.
2 Piet levers are customized. See "How To Order" on page 18 for ordering information.
3 Not available in 32D or 32 finish

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FE6600.10

## Roses

### A Rose
2" (50.8mm)

### T Rose
2-3/4" (69.85mm)

### U Rose
2-3/4" (69.85mm)

### V Rose
2-3/4" (69.85mm)

### W Rose
2-3/16" (55.56mm)

### Y Rose
2-3/16" (55.56mm)
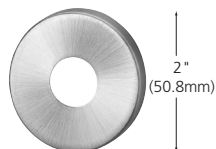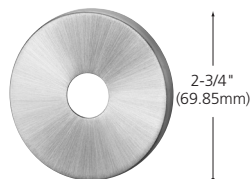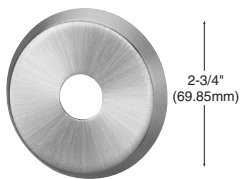
### E2 Rose[1]
2-11/16" (68.26mm)
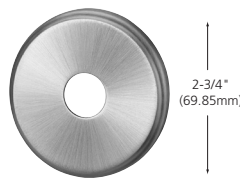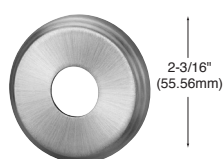
### E3 Rose[1]
2" (50.80mm)
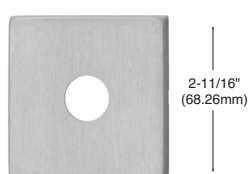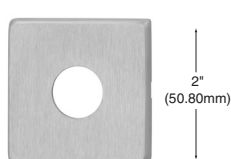
### E4 Rose[1]
3-1/4" (82.55mm)

## Thumbturns

Thumbturn backplate will match rose design chosen. See "Thumbturn Designs" on page 16 for more information.

### MT1 Turn
1-1/2" dia. (38mm)

### MT2 Turn
1-1/2" dia. (38mm)

### MT3 Turn
1-1/2" dia. (38mm)

## Escutcheons

### CE Escutcheon
2" (50.80mm)

7-7/8" (200.03mm)

### L Escutcheon
2" (50.80mm)

8" (203.2mm)

### RE1 Escutcheon
1-3/4" (44.45mm)

7-5/8" (193.68mm)

Note: These roses and escutcheons are unique to this product only. Refer to FE6600 Series Parts Manual for replacement parts and consult with factory to order.

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### Standard Levers

*Features*

- All levers meet ADA compliance for national codes
- Solid forged or cast
- All lever height (+/- 1/16") measurements represent total distance from door face

## Armstrong
*AS — Cast*
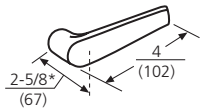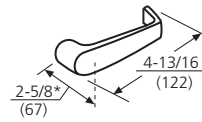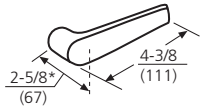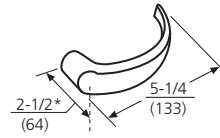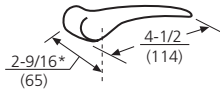


4 (102)
2-5/8* (67)

## Newport
*NS — Cast*



4-13/16 (122)
2-5/8* (67)

## Citation
*CS — Cast*



4-3/8 (111)
2-5/8* (67)

## Princeton
*PS — Cast*



5-1/4 (133)
2-1/2* (64)

## Dirke
*DS — Cast*



4-1/2 (114)
2-9/16* (65)

## Regis
*RS — Cast*



4-3/8 (111)
2-1/2* (64)

## Essex
*ES — Cast*



4-5/8 (117)
2-3/8* (60)

## Lustra
*LS — Cast*



5-1/8 (130)
2-1/2* (64)
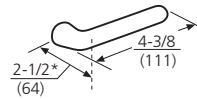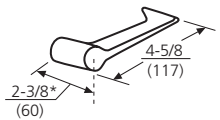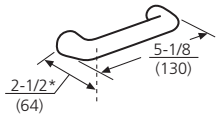
## Standard Roses

### A — Wrought

2 "
(50.8)
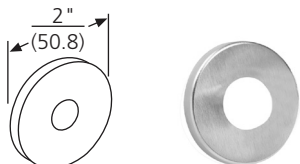
## Escutcheon Designs

### LW1 Escutcheon

8 "
(203mm)

2 "
(51mm)

### M Escutcheon

7-3/4 "
(197mm)

3-7/8 "
(98mm)

₵ of cylinder

₵ of lever

2-1/2 "
(64mm)

### N Escutcheon

2-1/2 "
(65mm)

6-9/16 "
(170mm)

7-3/8 "
(187mm)

### RE1/RE2 Escutcheon

7-5/8 "
(194mm)

1-3/4 "
(44mm)
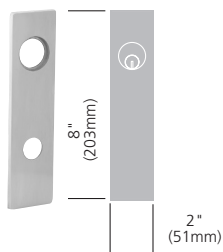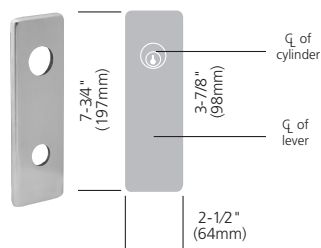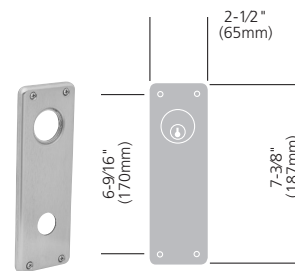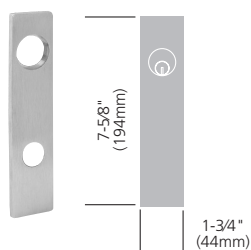
### RE3/RE4 Escutcheon

7-5/8 "
(194mm)

1-3/4 "
(44mm)
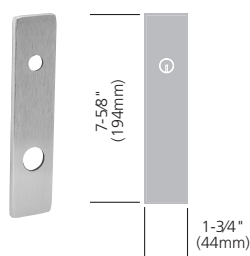
### 726F82 Cap

- 2 " round
- Covers hole for levers and roses

### Plug only to show (concealed shell)

Only the cylinder plug face is visible when lock trim is in place. Available with "M," "R," and "L" escutcheons. See individual trim designs for availability.
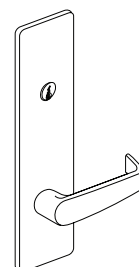
Note: These roses and escutcheons are unique to this product only. Refer to FE6600 Series Parts Manual for replacement parts.

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# Thumbturn Designs

## FE6600 Series Multi-Point Locks

### Round Backplate

(Shown with Standard Turn)
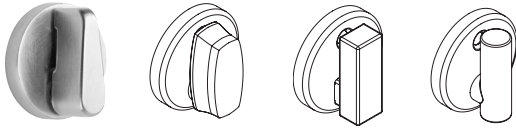


*Standard*       *MT1*       *MT2*       *MT3*

- Round backplate supplied standard with all round roses
- Standard turn automatically supplied with sectional trim
- Specify MT1, MT2, or MT3 as an option for decorative turns
- 1-1/2 " (38 mm) round brass or stainless steel plate

### Square Backplate

(Shown with Standard Turn)
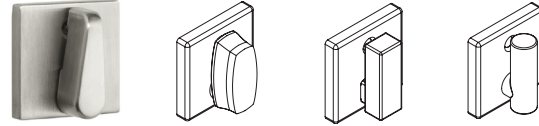


*Standard*       *MT1*       *MT2*       *MT3*

- Square backplate supplied standard with E, E2, E3, or E4 roses
- Standard turn automatically supplied with sectional trim
- Specify MT1, MT2, or MT3 as an option for decorative turns
- 1-1/2 " (38 mm) brass or stainless steel plate

### M34 Large Round Backplate

(Shown with Large ADA Turn)



- Available with sectional trim
- 40% larger than standard thumbturn
- 2 " (51 mm) round brass, zinc, or stainless steel plate & turn
- Meets ADA Requirements

## Emergency Releases

### Emergency Key 726F81

- Carbon steel
- For 20 and 30 functions only
- Must be ordered separately
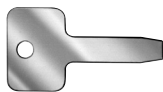
## Indicators

### M19V - Option Occupancy Indicator with Emergency Release

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard, field replaceable, red/white plate included
- Mounts on outside of door
- Not available with escutcheon trim
- Emergency coin operated release standard
- Functions and Roses available:
  - 20, 30 functions with W, E, L, A, T & Y roses
- As retrofit, order 859F53M x finish for vacant/occupied

M19V

### M19VN - Secured Indicator Rose

- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard, field replaceable, red/white plate included
- Mounts on outside of door
- Not available with escutcheon trim
- Available for the following functions:
  - 24, 65 - with rose trim only
- Patent pending design
- As retrofit, order 859F53M x finish (Standard Lever), 859F54M x finish (Museo Lever) for vacant/occupied

### AUX188 - Dogging Indicator

- Dogs the top/bottom latches so the lock can function as a normal mortise lock.
- In an emergency, un-dog the rods and the top/bottom latches will engage.
- Must be ordered with product, use Quick Code AUX188.

STORM SHELTER MODE

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**Outside**

**Inside**

6-11/16" (169mm)

8-1/16" (205mm)

⅊ of cylinder

3-7/8" (99mm)

⅊ of lever

7-5/8" (194mm)

13/16" (21mm)

1-13/16" (46mm)

1-5/8" (41mm)

2-3/8" (60mm)
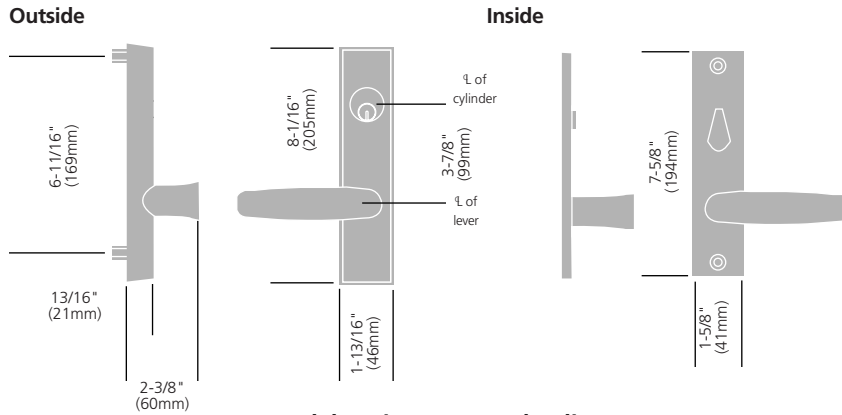
*Vandal Resistant Freewheeling Lever*

Maximum projection varies by lever design. Largest projection is 3-9/16" (90 mm)

## Features

The freewheeling mortise trim is designed for areas that are susceptible to vandalism including schools, universities, public buildings, back doors of businesses, and any exterior doors where excessive or abusive force might be applied to the lever handle trim.

This design allows the outside lever handle to swing freely, down to 70°, in the "locked" mode. This eliminates resetting the trim after vandalism attempts because the lever automatically returns to its original position.

- Vandal-resistant trim
- Meets or exceeds ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1. LFIC (Removable). SFIC cylinders do not meet Security Grade 1
- Forged brass outside escutcheon trim provides added protection against vandalism
- Stainless steel lever bushing protects against wear
- Stainless steel lugs and through-bolted trim design for proper alignment and increased security

- Functions available: 22, 24, 30, 62, 65, 72
- Levers AS, CS, DS, ES, LS, NS, PS, and RS available
- Lever designs LS, ES, NS, and PS have lever returns within 1/2" (13 mm)
- Cylinder size: 1-3/4" outside
- Specify hand. Easily field rehanded
- Patent pending and/or patent www.assaabloydss.com/patents

Corbin Russwin FE6600 Series multi-point locks can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.37 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock, and fire hazard.

Below is a list of compatible platforms:

- IN Series (IN120, IN220)
- SN Series (SN200, SN210)

For complete information regarding the compatibility of the FE6600 Series multi-point locks with electronic access control devices, reference the individual product catalogs, available in the Partner Area on www.intelligentopenings.com.

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## Finishes

| Standard Levers Finish | Description |
|---|---|
| 605 | Bright brass, clear coated |
| 606 | Satin brass, clear coated |
| 611 | Bright bronze, clear coated |
| 612 | Satin bronze, clear coated |
| 613 | Oxidized bronze, oil rubbed |
| 613E | Dark oxidized satin bronze, equivalent |
| 618 | Bright nickel plated |
| 619 | Satin nickel, clear coated |

| Standard Levers Finish | Description |
|---|---|
| 625 | Bright chrome |
| 626 | Satin chrome |
| 626C | Satin chrome with Microshield |
| 629 | Bright stainless steel |
| 630 | Satin stainless steel |
| 630C | Satin stainless steel with Microshield |
| 722 | Black oxidized bronze, oil-rubbed |
| BSP | Black Suede Powder Coat |

Note: Split Finishes — specify outside finish first, then inside finish example: 626 (outside) / 606 (inside)

## Lock Finish

| Description | Cylinder/Core* |
|---|---|
| 605,606,611,612,613,613E,722 | 606 |
| 618,619,625,626,626C,629,630,630C,722,WSP | 626 |
| BSP | BSP |

*Finish when cylinder provided with lock

## Piet Finish Codes

| BHMA/ASSA ABLOY Finish | Piet Code* | Description |
|---|---|---|
| 630 | 30 | Satin Stainless Steel |
| 629 | 29 | Bright Stainless Steel |
| 613E | 3E | Dark Oxidized Satin Bronze, Equivalent |
| BSP | BS | Black Suede Powder Coat |
| WSP | WS | White Suede Powder Coat |
| N/A | BK | Black (Santoprene™ or leather insert) |
| N/A | BN | Brown (leather insert) |
| N/A | 00 | No Insert |

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

## Piet Lever Descriptions & Available Finishes

| Lever Designation | Lever Description | Available Finishes (as ordered) |
|---|---|---|
| 21G | Grooved Insert | 292929, 303030, 3E003E, BS00BS, WS00WS |
| 21L | Leather Insert | 29BK29, 29BN29, 30BK30, 30BN30, 3EBK3E, 3EBN3E, BSBKBS, BSBNBS, WSBKWS, WSBNWS |
| 21M | Metallic Insert | 293029** only |
| 21S | Santoprene Insert | 29BK29, 30BK30, 3E003E, BS00BS, WS00WS |
| 23M | Raised Band | 290029, 300030, 290030**, 3E003E, BS00BS, WS00WS |
| 25M | Plain | 290029, 300030, 3E003E, BS00BS, WS00WS |
| 27M | Two Grooves | 290029, 300030, 3E003E, BS00BS, WS00WS |

**Two-tone finish - grip of lever is 630, balance of lever is 629. Escutcheon finish will be 618.
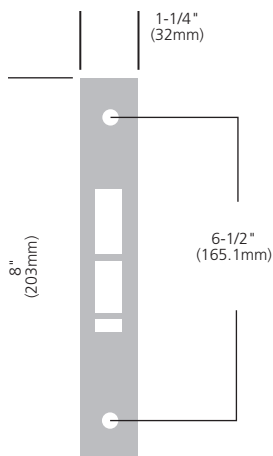
Corbin Russwin
ASSA ABLOY

## Strike Options

| Part Number | Description |
|---|---|
| 726F577 | Top Strike Pack |
| 726F587 | Bottom Strike Pack |
| 726F607 | Center Strike Pack |

## Outside Front Plate

| Part Number | Description | Functions |
|---|---|---|
| 726F86M | Armored Front | 09, 20, 24, 30, 65, |
| 726F87M | Armored Passage Front | 80 |
| 726F88 | Armored Front EAC | 135, 609, 735 |

1-1/4"
(32mm)

8"
(203mm)

6-1/2"
(165.1mm)

### *Tapered Cylinder Collar*

- Furnished only for CSV or NSV trims with 1-1/4" cylinders, double cylinder functions or with 1-1/2" cylinders, single cylinder functions.
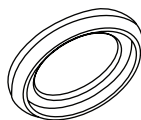
### *Square Cylinder Collar*

- Included when ordering Muséo® E2, E3 and E4 square/rectangular roses.
- Used on all cylinder functions.
- **Size:** 1-5/8" (41 mm) square
- Contact factory to determine correct collar size
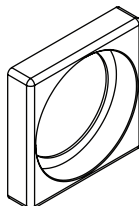
## FE6600 Cylinders

| Mortise Cylinder Type | Collar | Cylinder List Number |
|---|---|---|
| Access 3® Patented | 605F43 | CR1500-114-A02 |
| Access 3® Security | 605F43 | CR1600-114-A02 |
| Access 3® High Security | 605F43 | CR1700-114-A02 |
| Access 3® Patented IC | 605F43 | CR1580-114-A02 |
| Access 3® Security IC | 605F43 | CR1680-114-A02 |
| Access 3® High Security IC | 605F43 | CR1788-114-A02 |
| Pyramid HS | 605F43 | CR1020-114-A02 |
| Pyramid HS IC | 605F43 | CR1030-114-A02 |
| Pyramid Security | 605F43 | CR1027-114-A02 |
| Pyramid Security IC | 605F43 | CR1037-114-A02 |
| Conventional 6-pin | 256F97 | CR1000-118-A02 |
| Conventional 7-pin | 605F43 | CR1000-114-A07-7 |
| 6-pin IC | 605F43 | CR1080-114-A02 |
| 7-pin IC | 609F36 | CR1080-112-A02-7 |
| Security IC | 605F43 | CR1090-114-A02 |
| Security | 253F97 | CR1010-118-A02 |
| 6 Pin | 253F97 | CR1000-118-A07 |
| 7 Pin | 605F43 | CR1000-114-A02-7 |

## 988 Surface Bolts

Designed for severe windload (Hurricane Code) environments where surface bolts are required (e.g., on inactive doors)

- Tested to Dade County protocols
- Listed to UL10C for use on fire-rated door assemblies. Refer to codes for locations where surface bolts are allowed on fire doors
- All steel construction for maximum strength and heavy duty use Full 3/4" (19mm) square 12" (305mm), 18" (457mm) or 24" (609mm bolt with 1-1/4" (32mm) throw
- Bright zinc-plated finish
- Jimmy-resistant design locks bolt automatically when thrown; released by pressing knob toward door while retracting
- Bolt can be locked in retracted or thrown position
- Angle (L shaped) and mortise strike with mounting hardware supplied standard
- Only available with MP6600 and FE6600 series.
- Order as: 988 Surface Bolt

Notes:

- Standard size is 12" (305mm) bolt with 1-1/4" (32mm) throw.
- Optional sizes available. Specify 988-1CR (18") or 988-2CR (24") lengths

| Surface Bolt | Bolt Length |
|---|---|
| 988CR | 12" (standard) |
| 988CR-1 | 18" |
| 988CR-2 | 24" |

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## Miscellaneous Options

| Detailed Description | Quick Code |
|---|---|
| Spanner head security screw (not available with Studio levers) | M02 |
| 6 Lobe head security screws (Torx® type) | M04 |
| Occupancy indicator with emergency release. M19S - Secure/Unsecure ; M19V - Vacant/Occupied. See "indicators" on page 15 for details. Not available with escutcheon trim. | M19S/ M19V |
| Secured indicator rose. M19SN - Secure/Unsecure ; M19VN - Vacant/Occupied. See "indicators" on page 15. | M19SN/ M19VN |
| Tactile Warning — Milled levers or knurled knobs. Inside & outside trim | M20* |
| Tactile Warning — Milled levers or knurled knobs. Outside trim only | M21* |
| Tactile Warning — Milled levers or knurled knobs. Inside trim only | M22* |
| Tactile Warning — Abrasive coating inside & outside trim | M23 |
| Tactile Warning — Abrasive coating  inside trim only | M24 |
| Tactile Warning — Abrasive coating outside trim only | M25 |
| Working trim only | M31 |
| Lockbody only | LL |
| Latchbolt monitoring.  (Please consult factory) | M91 |
| Deadbolt monitoring — Monitor deadbolt position | M113 |
| Dogging Indicator | AUX188 |
| Left hand | LH |
| Right hand | RH |
| Left hand reverse | LHR |
| Right hand reverse | RHR |

*All levers provided in a powder coat finish will be supplied with an abrasive coating

## Cylinder Options

| Description | Specify |
|---|---|
| Conventional 6-pin | (standard) |
| Conventional 7-pin | 7P |
| Less Cylinder(s) | LC |
| **LFIC** | |
| LFIC 6-pin | C6 |
| LFIC 6-pin Less Core | CL6 |
| LFIC 6-Pin Disposable Core | CT6D |
| LFIC 6-pin with Temporary Construction Core (Red) | CT6R |
| LFIC 6-pin with Temporary Construction Core (Blue) | CT6B |
| LFIC 6-pin with Temporary Construction Core (Green) | CT6G |
| LFIC 7-pin | C7 |
| LFIC 7-pin Less Core | CL7 |
| LFIC 7-Pin Disposable Core | CT7D |
| LFIC 7-pin with Temporary Construction Core (Red) | CT7R |
| LFIC 7-pin with Temporary Construction Core (Blue) | CT7B |
| LFIC 7-pin with Temporary Construction Core (Green) | CT7G |
| **SFIC** | |
| SFIC 6-pin | C6S |
| SFIC 6-pin Less Core | CLS6 |
| SFIC 6-Pin Disposable Core | CT6SD |
| SFIC 6-pin with Temporary Construction Core (Blue) | CT6SB |
| SFIC 7-pin | C7S |
| SFIC 7-pin Less Core | CLS7 |
| SFIC 7-Pin Disposable Core | CT7SD |
| SFIC 7-pin with Temporary Construction Core (Blue) | CT7SB |
| **Security** | |
| Security | HS |
| Security LFIC | CHS |
| **Access 3®** | |
| Access 3® Patented Fixed Core | AP |
| Access 3® Security Fixed Core | AS |
| Access 3® High Security Fixed Core | AHS |
| Access 3® Patented LFIC | ACP |
| Access 3® Security LFIC | ACS |
| Access 3® High Security LFIC | ACHS |
| **Pyramid** | |
| Pyramid Security Fixed Core | PS |
| Pyramid High Security Fixed Core | PHS |
| Pyramid Security LFIC | PCS |
| Pyramid High Security LFIC | PCHS |
| Pyramid LFIC Less Core | CLP |
| Pyramid with Temporary Construction Core | CTP |
| Pyramid Disposable Core | CTPD |
| **UL Housing** | |
| LFIC 6-pin Less Core | CL6AH |
| LFIC 6-Pin Disposable Core | CTAHD |
| LFIC 6-pin with Temporary Construction Core (Red/Blue/Green) | CT6AH (R/B/G) |

| Description | Specify |
|---|---|
| **Other** | |
| Master Ring | MR |
| Flex Head Cylinder, 6-pin (sectional trim) | FX6 |
| Flex Head Cylinder, 7-pin (sectional trim) | FX7 |
| Flex Head Cylinder, Master Ring (sectional trim) | FXM |
| Plug Only to Show, Less Cylinder | PO-LC |
| Plug Only to Show, 6-pin (concealed shell; M and R escutcheons only, single cylinder only) | PO6 |
| Plug Only to Show, 7-pin (concealed shell; M and R escutcheons only, single cylinder only) | PO7 |
| **Keying and Keys** | |
| Keyed Random | KR |
| Construction Master Keyed (not available for Pyramid) | CMK |
| 2 keys per lock | (standard) |
| More than 2 keys | KY# (e.g., KY6) |
| **Visual key control (VKC)** | |
| No bitting or keyset stamping on keys or cylinder | VKC0 |
| Keys only | VKC1 |
| Cylinders and keys (not for AS, AHS, ACS, ACHS, HS, CHS, PHS or PCHS) | VKC2 |
| Cylinders only (not for AS, AHS, HS, ACS, ACHS, CHS, PHS or PCHS) | VKC3 |
| **Concealed key control (CKC)** | |
| CKC cylinders with VKC keys | CKC2 |
| CKC cylinders only (not for AS, AHS, HS, ACS, ACHS, CHS, PHS or PCHS) | CKC3 |

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### Ordering Example

| Series/Function | Trim | Finish | Hand | Quick Code* |
|---|---|---|---|---|
| FE6624 | NSA | 626 | RHR | For all available options see pages 20-21 |

### Lockbody Only Example

| Series/Function | Trim | Finish | Hand | Quick Code* |
|---|---|---|---|---|
| FE6624 | LL | 626 | RHR | For all available options see pages 20-21 |

*Multiple options can be selected.

**Note:** This product is part of a complete tornado assembly and must be used with a Ceco or Curries StormPro door. Concealed vertical rods, top & bottom latches, and the lockbody cassette will be factory installed.  All other hardware components are shipped directly to the customer and must be installed by a factory trained installer.

### Door Handing



INSIDE

LEFT HAND          RIGHT HAND

OUTSIDE

INSIDE

LEFT HAND
REVERSE
BEVEL          RIGHT HAND
REVERSE
BEVEL

OUTSIDE

Door hand is determined by door swing
when viewed from outside/secured (keyed) of door

45466  12/23
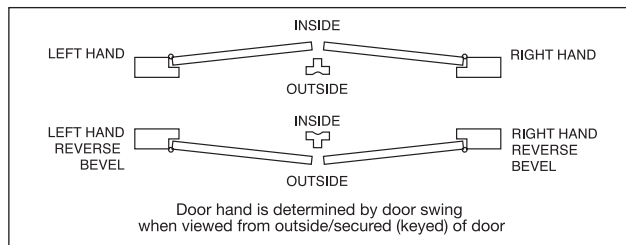
## FE6600 Series Fortified Multi-Point Deadlocking System

### Three-Point Locking System Devices

Three-Point deadbolt locking devices are engineered for use on inswing and outswing door applications at ICC 500 (2014/2020), FEMA P-320 (2014) and FEMA P-361 (2015) storm shelter and safe room locations. Concealed, fortified steel construction secures the door to the frame at top, bottom, and center latching points. All three latching points shall be activated with one single motion when the device is closed and retracted with one single motion for egress.

1. The FE6600 locking system device is part of an integrated door, frame, and hardware assembly listed to the following standards:

    a. UL listed to FEMA P-361 (2015) for inswing and outswing pair and single doors

    b. UL listed to FEMA P-320 (2014) for inswing and outswing pair and single doors

    c. UL listed to ICC 500 (2014/2020) for tornado shelters for inswing and outswing pair and single doors

    d. ANSI-BHMA listed to A156.37 Grade 1 for multi-point locks:

        i. Lever torque to retract all bolts less than 28 in.lb.

        ii. Cycle tested to 800,000 cycles

    e. NFPA 80 and NFPA 101 life safety requirements

    f. UL10B or UL10C, 3-hour fire rated openings

2. Latchbolt construction:

    a. Center Bolt: one piece, 3/4" throw anti-friction stainless steel latch and one piece, 1" throw, hardened stainless steel deadbolt; 2-3/4" backset standard

    b. Top and Bottom Bolt: 3/4" x 3/4" square stainless steel latchbolt with 3/4" projection

3. Devices must be able to accommodate sectional rose and lever trim to match the design style and architectural finishes as the balance of the lockset and latches specified:

    a. 21 roses available

    b. 61 levers available

    c. 13 finishes available

4. Devices shall come in both mechanical and electro-mechanical functions:

    a. 12 different functions available

5. Independent top and bottom bolt projection shall be field adjustable :

    a. From the center mortise pocket

    b. While the door is hung:

        i. Does not require taking the door down to adjust

6. Bottom strike shall be offset and reversible to accommodate alignment issues due to rough opening tolerances

7. Must be available with access control options for higher or everyday use and traceability:

    a. IN series (IN120, 220)

    b. SN Series (SN200, SN210)

8. Must be available with rod-dogging indicator option:

    a. Operated by single-point latching for non-emergency or normal use of the space

    b. Holds rods in retracted state

    c. Day-to-day operations with mortise lock only

    d. Indicator to show status

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