Corbin Russwin®

ASSA ABLOY

ED2200 Series

Rim Exit Devices

Attention Installer

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

For installation assistance contact Corbin Russwin
1-800-543-3658 • techsupport.corbinrusswin@assaabloy.com

FM571   10/22

Experience a safer
and more open world

ED2200 Series

Rim Exit Devices

Installation Instructions

Corbin Russwin
ASSA ABLOY

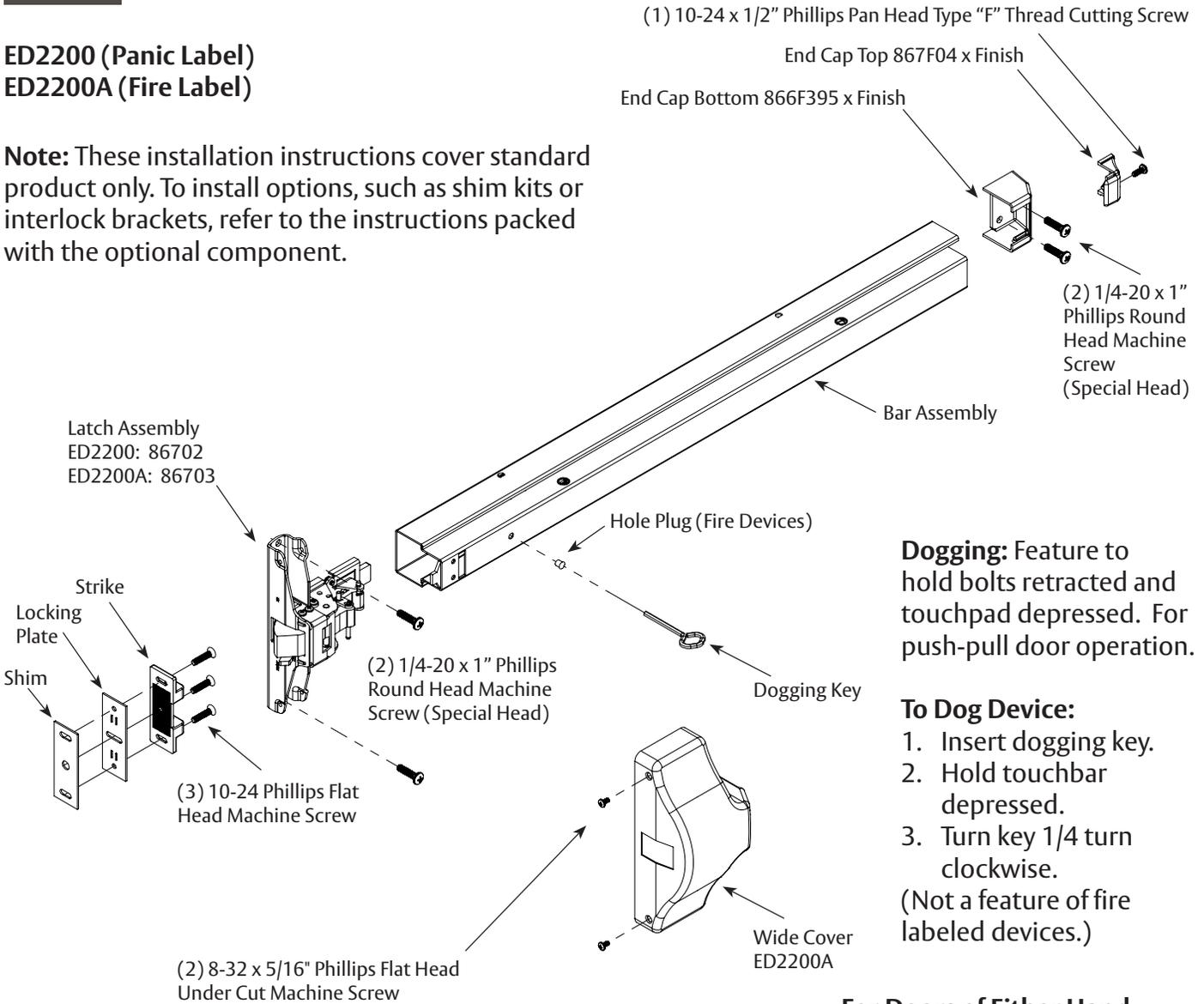**1** Product Overview

ED2200 (Panic Label)
ED2200A (Fire Label)

Note: These installation instructions cover standard product only. To install options, such as shim kits or interlock brackets, refer to the instructions packed with the optional component.
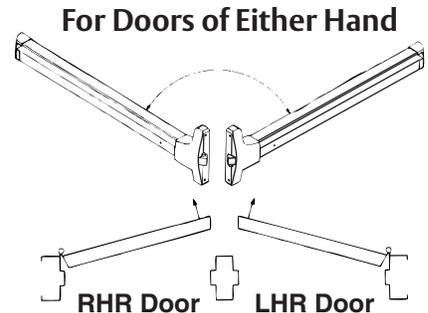
(1) 10-24 x 1/2" Phillips Pan Head Type "F" Thread Cutting Screw

End Cap Top 867F04 x Finish

End Cap Bottom 866F395 x Finish

(2) 1/4-20 x 1" Phillips Round Head Machine Screw (Special Head)

Bar Assembly

Latch Assembly
ED2200: 86702
ED2200A: 86703

Hole Plug (Fire Devices)

Strike

Locking Plate

Shim

(2) 1/4-20 x 1" Phillips Round Head Machine Screw (Special Head)

Dogging Key

(3) 10-24 Phillips Flat Head Machine Screw

(2) 8-32 x 5/16" Phillips Flat Head Under Cut Machine Screw

Wide Cover ED2200A

Dogging: Feature to hold bolts retracted and touchpad depressed. For push-pull door operation.

To Dog Device:
1. Insert dogging key.
2. Hold touchbar depressed.
3. Turn key 1/4 turn clockwise.
(Not a feature of fire labeled devices.)

For Doors of Either Hand

RHR Door   **LHR Door**

Packed for reinforced metal doors. Optional sex nuts required for unreinforced metal and composite wood doors and are furnished standard with all fire-rated devices.

Outside Trim: Device is packed ready for any applicable Corbin Russwin trim.

FM571   10/22

Experience a safer and more open world

2 | Maintenance

1. Periodically remove covers and coat mechanisms with a silicone base lubricant. This is particularly required in corrosive environments for proper product function.
2. Check mounting fasteners periodically. Retighten if found loose. Apply screw locking compound (available at automotive part stores) or change part fasteners if screws continue to back up.
3. Periodic checks (and adjustments) of strikes are required to compensate for changes in the opening (e.g. door sagging).
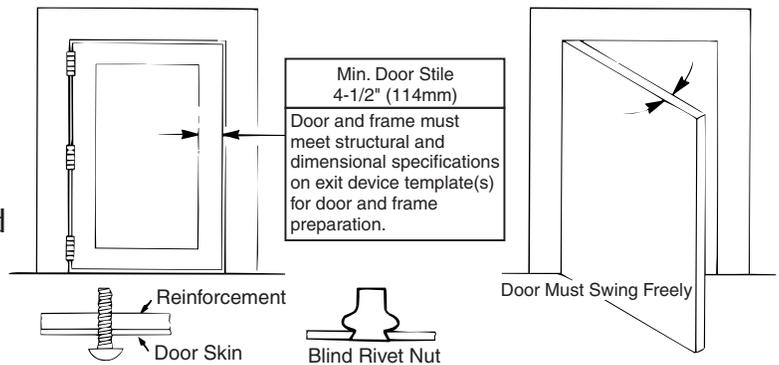
3 | Pre-Installation

Unreinforced Doors or Frames

Doors and Frames with walls having a structural thickness (metal skin plus reinforcement or solid hardwood) to engage less than (3) full screw threads are considered unreinforced.
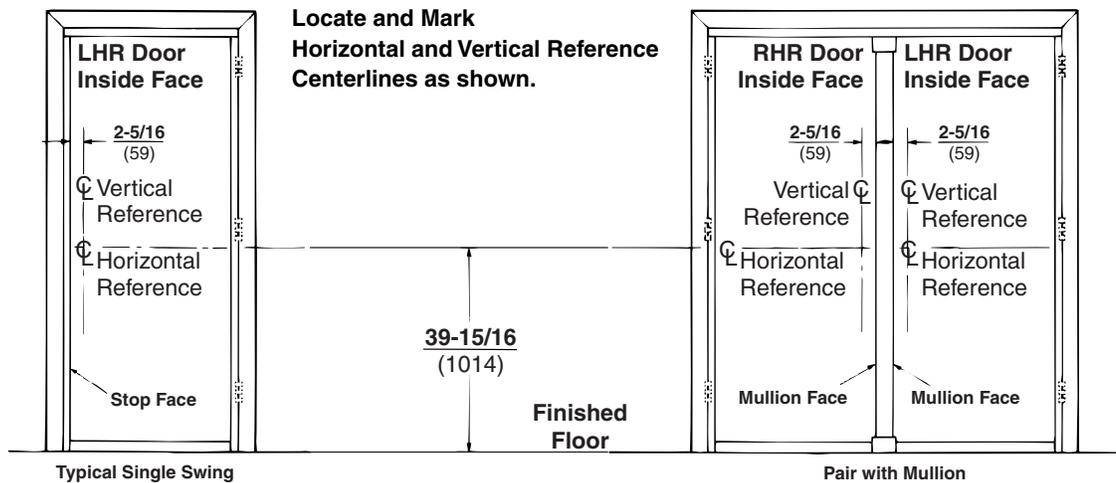
Unreinforced Doors: Use SNB (sex nuts and bolts).

Unreinforced Frames: Use Blind Rivet Nuts.

Recommended fasteners for unreinforced openings are not necessarily supplied by Corbin Russwin Security, Inc.

Min. Door Stile
4-1/2" (114mm)

Door and frame must meet structural and dimensional specifications on exit device template(s) for door and frame preparation.

Reinforcement

Door Skin

Blind Rivet Nut

Door Must Swing Freely

4 | Mark Door

LHR Door Inside Face

Locate and Mark Horizontal and Vertical Reference Centerlines as shown.

2-5/16
(59)

₡ Vertical Reference

₡ Horizontal Reference

Stop Face

39-15/16
(1014)

Finished Floor

Typical Single Swing

RHR Door Inside Face

LHR Door Inside Face

2-5/16
(59)

2-5/16
(59)

Vertical ₡ Reference

₡ Vertical Reference

₡ Horizontal Reference

₡ Horizontal Reference

Mullion Face

Mullion Face

Pair with Mullion

Experience a safer and more open world

Corbin Russwin®

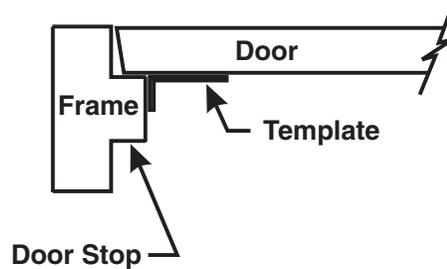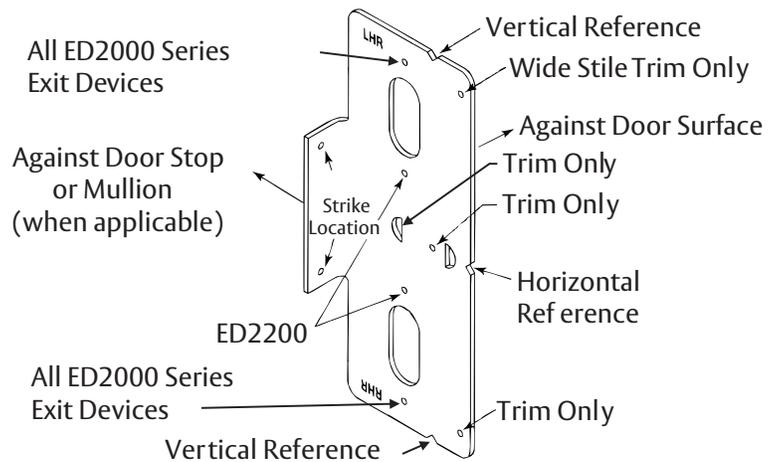ASSA ABLOY

5 | Prepare Door & Frame

1. Seat plastic template on door and stop faces.
2. Align horizontal and vertical centerlines.
3. Locate and tape Trim Template on door. (See instructions packed with Trim).
4. Spot and prepare holes.

Device: Each (2) 1/4-20 Machine Screws* OR (2) 3/8" (10) Dia. Optional Sex Nuts & Bolts. (*) Metal reinforced door only.

Strike: (2) 10-24 Machine Screws OR (2) #10 Wood Screws

All ED2000 Series Exit Devices

Against Door Stop or Mullion (when applicable)

Strike Location

ED2200

All ED2000 Series Exit Devices

Vertical Reference

LHR

RHR

Vertical Reference
Wide Stile Trim Only

Against Door Surface
Trim Only

Trim Only

Horizontal Reference

Trim Only

Door

Frame

Template

Door Stop

6 | Clear Raised Door Molding

Device (head bar and end cap) must seat flush on door surface or on shims that keep it parallel to door face.

(1) Shim Kit #697F338 required for each 1/4" (6mm) of raised molding. Longer mounting screws needed when more than one (1) Shim Kit is used. See instructions provided with shim kits for installation.
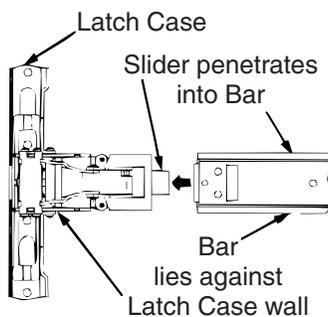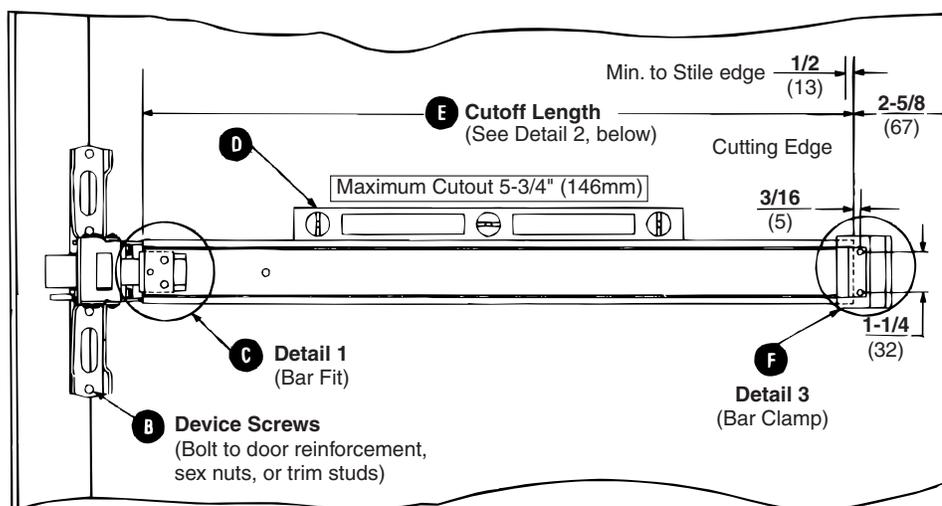
FM571   10/22

Experience a safer and more open world

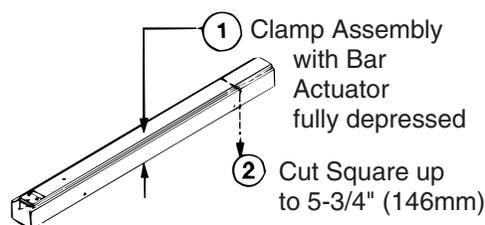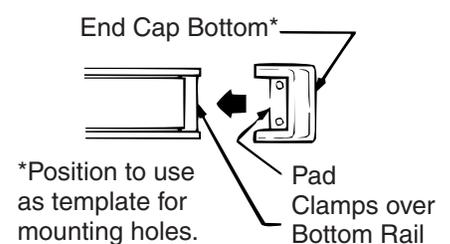**7** Mount Components

1. Mount Trim (Follow instructions packed with trim).
2. Mount Latch Case:
- Use (2) 1/4-20 x 1" Phillips Round Head Machine Screws or SNB for ED2200.
- Use (4) 1/4-20 x 1" Phillips Round Head Machine Screws or SNB for ED2200A.
3. Open door. Slide Bar over door surface until touching Latch Case wall. Slider in Latch Case penetrates into Bar. (See Detail 1)
4. Set Bar level.
5. Size Bar. To cut Bar, see Detail 2.
6. Reposition Bar (Detail 1). Clamp Bar with End Cap Bottom (See Detail 3). Locate End Cap Bottom mounting holes.
7. Prepare End Cap Bottom mounting holes. Mount End Cap Bottom (Detail 3). (2 ea. 1/4-20 Phillips Round Head Machine Screws or 3/8" (10) dia. SNB).

Min. to Stile edge 1/2 (13)

2-5/8 (67)

E Cutoff Length
(See Detail 2, below)

Cutting Edge

D

Maximum Cutout 5-3/4" (146mm)

3/16 (5)

C **Detail 1**
(Bar Fit)

F

1-1/4 (32)

Detail 3
(Bar Clamp)

B **Device Screws**
(Bolt to door reinforcement, sex nuts, or trim studs)

Latch Case

Slider penetrates into Bar

Bar lies against Latch Case wall

Detail 1: Fit Bar

1 Clamp Assembly with Bar Actuator fully depressed

2 Cut Square up to 5-3/4" (146mm)

Detail 2: To Cut Bar

End Cap Bottom*

*Position to use as template for mounting holes.

Pad Clamps over Bottom Rail

Detail 3: Clamp Bar

Experience a safer
and more open world

7 Mount Components, continued.

8. Check Bolt Retraction

- Depress bar (bolts must retract). Release bar (bolts must extend).
- Actuate trim (bolts must retract). Release trim actuator (bolts must extend).
- Depress touchbar, turn dogging key clockwise (bar must remain depressed, bolts must remain retracted). Turn dogging key counterclockwise (bar and bolts must return to extended position).
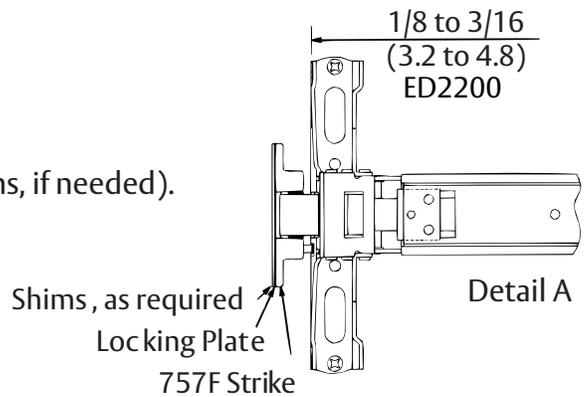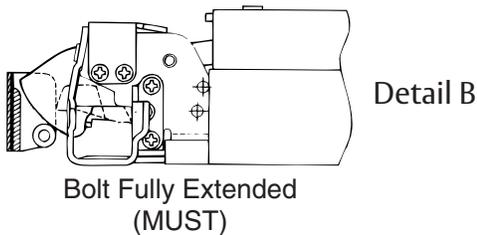
9. Tighten all mounting screws.

Note: When resulting operation is faulty, check first for visible binding or interference. If there is no apparent reason for the fault, remove item from the door and recheck its operation before assuming that it is defective.
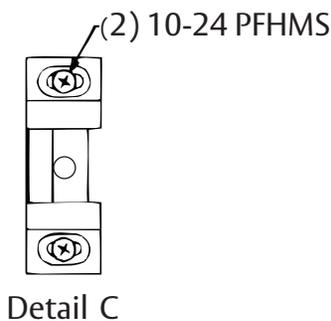
8 Install Strike

1. Position Strike Projection (Strike + Locking Plate + Shims, if needed). See Detail A.

2. Position Strike Depth. See Detail B.

1/8 to 3/16
(3.2 to 4.8)
ED2200

Detail A

Shims, as required
Locking Plate
757F Strike

Detail B

Bolt Fully Extended
(MUST)

(2) 10-24 PFHMS

Detail C

3. Fasten Strike. See Detail C.

4. Check Bolt Engagement.
- Bolt should retract to clear the strike, when actuated by bar, trim, or dogging action. Bolt should consistently reengage the strike, when actuators are released and the door shuts.
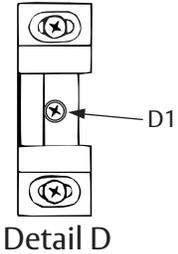- Door should remain latched and not rattle when pushed, pulled, or shaken in/out.

Experience a safer
and more open world

8   Install Strike, continued

5. (Required for Fire Devices only, Optional for Panic) Lock strike in place. See Detail D.
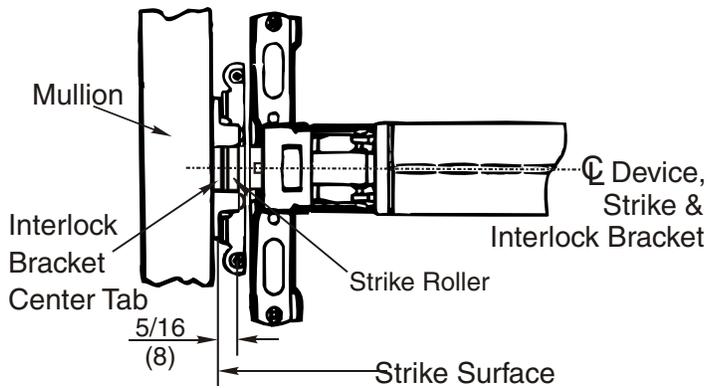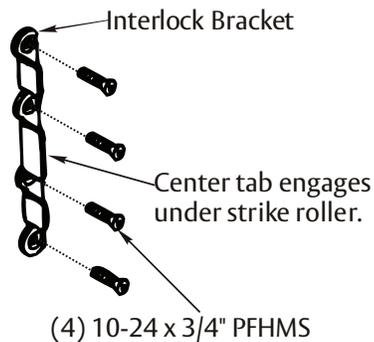- Prepare for and install strike center screw (1 #10-24 PFHMS). See D1.

6. (Fire Mullion Installations only) Stabilize Strike. See Detail E.
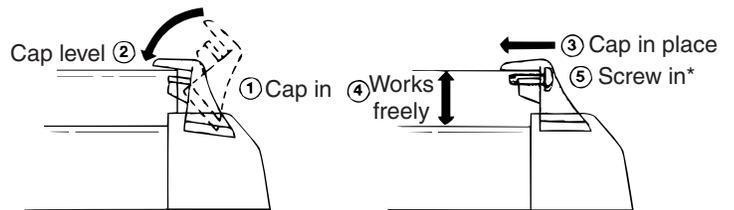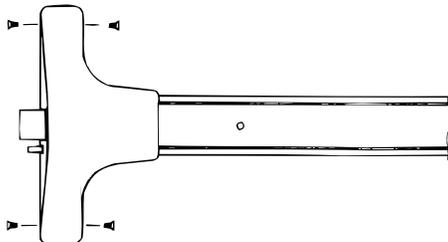- Position strike interlock bracket in place as shown. Locate bracket holes.

D1

Detail D

Interlock Bracket
Required for Fire Rated
Rim Exit Device with Mullion.

Interlock Bracket

Center tab engages under strike roller.

(4) 10-24 x 3/4" PFHMS

Mullion

Interlock Bracket Center Tab

Strike Roller

℄ Device, Strike & Interlock Bracket

5/16 (8)

Strike Surface

Detail E

Note: Interlock bracket and screws supplied with Fire Mullion.

9   Install Head Cover & End Cap Top

(2) 8-32 x 5/16" PFHUMS
ED2200

Cap level ②

① Cap in

④ Works freely

③ Cap in place

⑤ Screw in*

*(1) 10-24 x 1/2" PPH "F" TCS

Experience a safer and more open world

Corbin Russwin
®
Russwin

ASSA ABLOY

Corbin Russwin, Inc.
225 Episcopal Road
Berlin, CT 06037 USA
Phone: 800-543-3558
Fax: 800-447-6714
www.corbinrusswin.com

FM571 10/22

Experience a safer
and more open world