ED5200(A) Series Rim Exit Devices
Installation Instructions
(Single Doors or Pairs with Mullion)
FM156   08/11

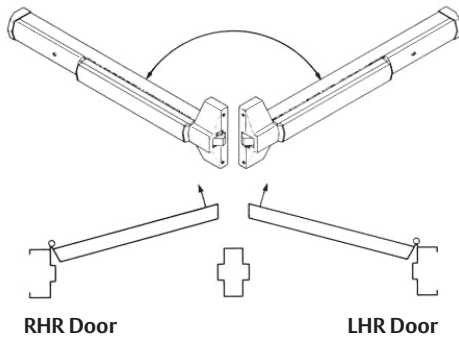**For Metal, Composite and Wood Doors of Either Hand**

RHR Door   LHR Door

Outside Trim
Device is packed ready for any compatible trim.
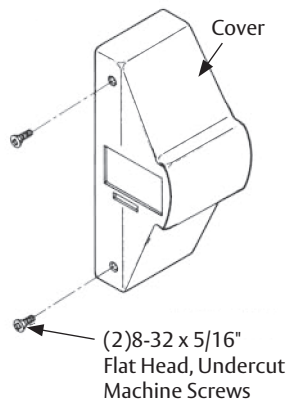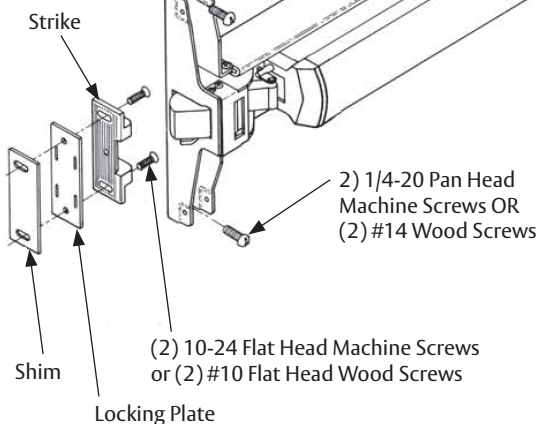
(3) 8-32 x 5/16" Flat Head, Undercut Machine Screws

End Clamp

End Cap

(2) 1/4-20 Pan Head Machine Screws OR (2) #14 Wood Screws
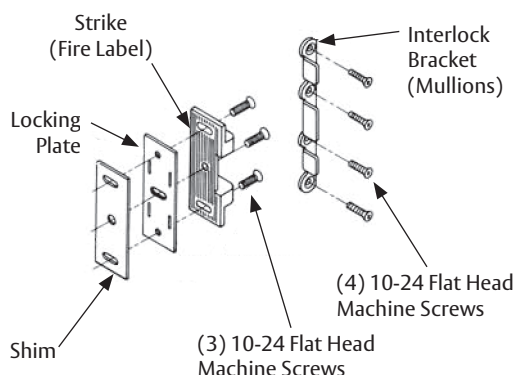
Dogging Key

Hole Plug (Fire Devices)

Strike

Cover

2) 1/4-20 Pan Head Machine Screws OR (2) #14 Wood Screws

(2) 10-24 Flat Head Machine Screws or (2) #10 Flat Head Wood Screws

Shim

Locking Plate

(2)8-32 x 5/16" Flat Head, Undercut Machine Screws

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 the fire labeled devices.)

Fire Devices Only

Strike (Fire Label)

Locking Plate

Interlock Bracket (Mullions)

(4) 10-24 Flat Head Machine Screws

(3) 10-24 Flat Head Machine Screws

Shim

Shim Kit Option

697F338, Black Finish

Kit consists of Latch Head Shim (Device Cover seats on shim) and End Clamp Shim (End Cap seats on shim).

Each shim is $\frac{1/8"}{3.2}$ thick.

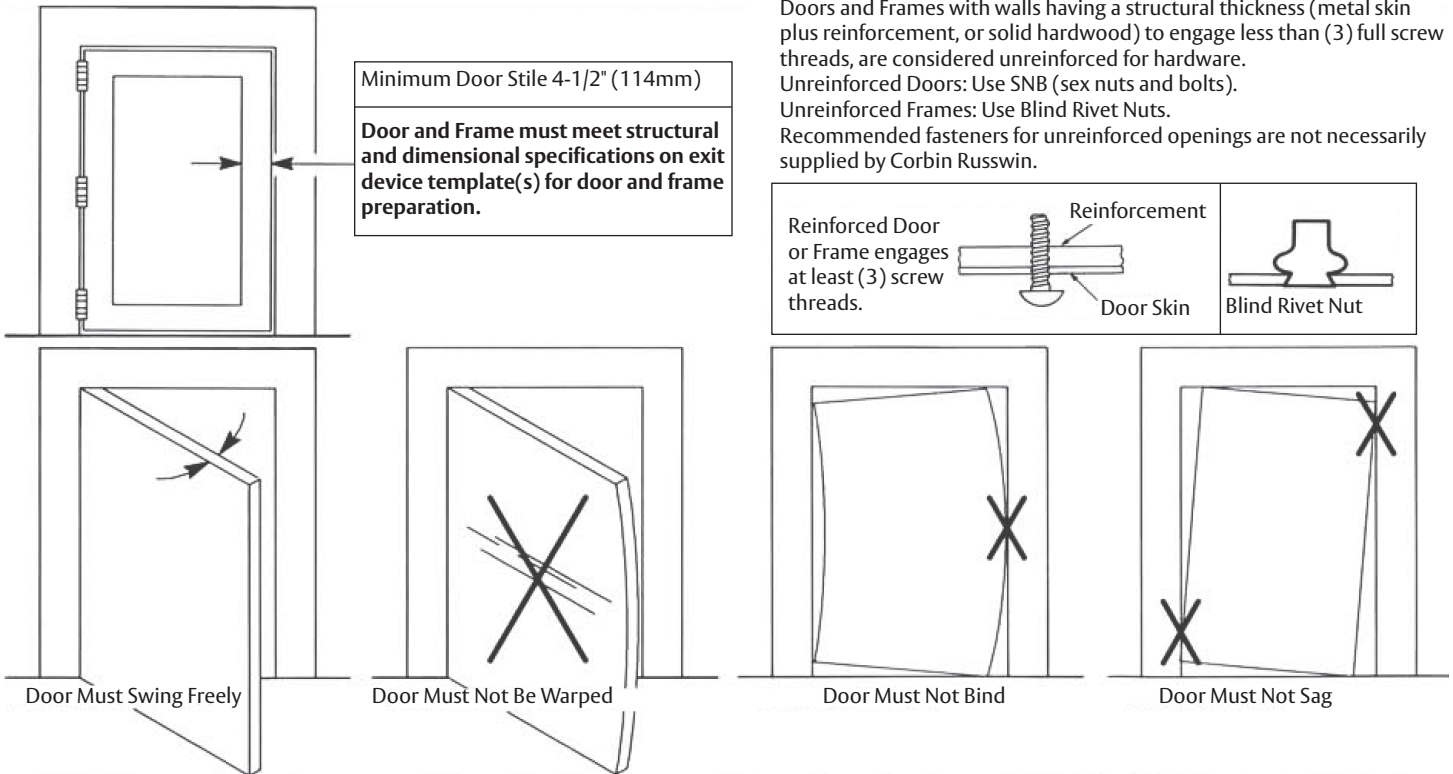More than two Shim Kits require longer device mounting screws (not included).

Sex Nut Option

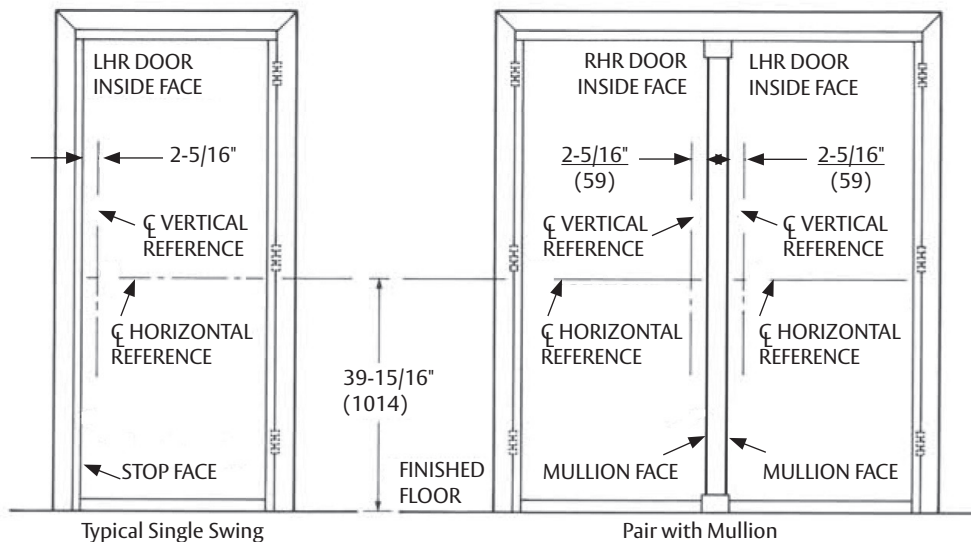Recommended for wood, composite or unreinforced metal doors. Standard for fire rated doors.

Device	Quantity	Size
Panic x M54	4	1/4-20
Fire Rated	4	1/4-20

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Check Before Starting

Minimum 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.

Unreinforced Door 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 for hardware.
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.

Reinforced Door or Frame engages at least (3) screw threads.

Reinforcement

Door Skin

Blind Rivet Nut

Door Must Swing Freely

Door Must Not Be Warped

Door Must Not Bind

Door Must Not Sag

1. Mark Door

Locate and Mark Horizontal and Vertical Reference Centerlines, as shown.

LHR DOOR INSIDE FACE

2-5/16"

₵ 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

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![Corbin Russwin ASSA ABLOY logo]

2. Prepare Door & Frame

A. Seat template on door and stop faces.

B. Align horizontal and vertical centerlines. Tape Template in place.

C. Locate and tape Trim Template to door. (See instructions packed with Trim)

D. Spot and prepare holes.

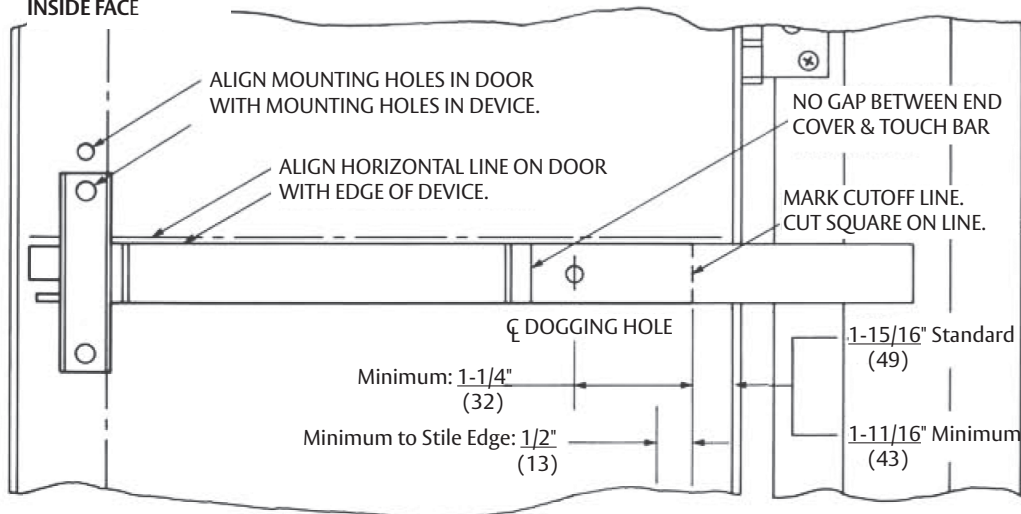**Device:** (2) 1/4"-20 Machine Screws (*), or
(2) 3/8" Dia. Sex Nuts & Bolts
(10)

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

(*) **Metal reinforced doors only.**

1-1/4" Min. Stop
(32)

₵ VERTICAL
REFERENCE

LHR DOOR
INSIDE FACE

₵ HORIZONTAL
REFERENCE

3. Size Device

Device must be field cut to size, unless standard opening and device are 36" (0.91m).

LHR DOOR OPEN 90°
INSIDE FACE

ALIGN MOUNTING HOLES IN DOOR
WITH MOUNTING HOLES IN DEVICE.

ALIGN HORIZONTAL LINE ON DOOR
WITH EDGE OF DEVICE.

NO GAP BETWEEN END
COVER & TOUCH BAR

MARK CUTOFF LINE.
CUT SQUARE ON LINE.

₵ DOGGING HOLE

Minimum: 1-1/4"
(32)

Minimum to Stile Edge: 1/2"
(13)

1-15/16" Standard
(49)

1-11/16" Minimum
(43)

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4. Clear Raised Door Molding

Device must seat flush on door surface, or on shims that keep it parallel to door face.

One shim Kit 697F338 required for each 1/4" (6mm) of device lift needed. Longer device mounting screws needed when more than (2) shim kits are used. See Shim Kits Option on front page.

(1) Shim Kit
Per $\frac{1/4"}{(6)}$ of raised molding
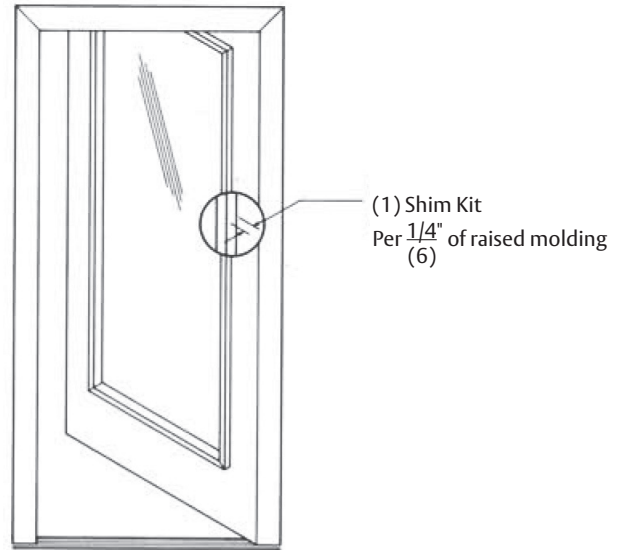
5. Install Device

Seat Bar in Place, True to Door Face

A. Mount Trim (Follow instructions Packed with trim).

B. Seat Bar in Place. Fasten Device Head (Pan Head Machine Screws or SNB).

C. Set Bar Level. Locate End Clamp Holes.

D. Prepare End Clamp Mounting Holes. Mount End Clamp.

(2 # 1/4-20 Pan Head Machine Screws or 3/8" dia. SNB (10)

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

1-1/4" (32)

3/8" (10)
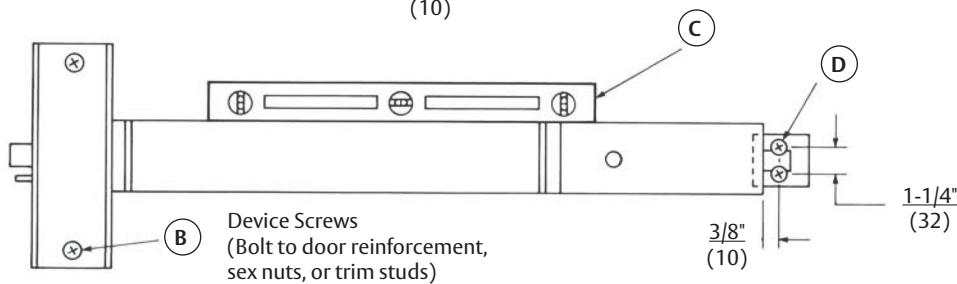
E. Check Bolt Retraction.

1. Depress touchbar (bolt must retract). Release touchbar (bolts must extend).

2. Actuate trim (bolts must retract). Release trim actuator (bolts must extend).

3. (NOT FOR FIRE DEVICES). 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).

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.

F. Tighten All Mounting Screws.

Frame Stop or Mullion Face
(Strike Seat)

FOLD LINE

Adjust hole "B" location equal to the thickness of shims required.

$1\frac{11}{32}$ (34)

$1\frac{11}{32}$ (34)

B

B

Adjustment for Raised Glass and Windstorm Applications Only.

$\frac{5}{8}$ (16)

$\frac{5}{8}$ (16)

$2\frac{5}{16}$ (59)

Required for ED5200S(A) and ED5200S(A) x M107 Only.

A

C

C Device

C

A

$3\frac{5}{8}$ (92)

$3\frac{5}{8}$ (92)

$\frac{11}{16}$ (17)

$\frac{11}{16}$ (17)

$1\frac{1}{4}$ (32)

$1\frac{1}{4}$ (32)

VERTICAL REFERENCE

C HORIZONTAL REFERENCE & DEVICE

RHR Door

Note: Do not photocopy. Dimensions will not be to scale.

FLIP TO OTHER SIDE FOR LHR DOOR

Door Inside Face Surface (Device Seat)

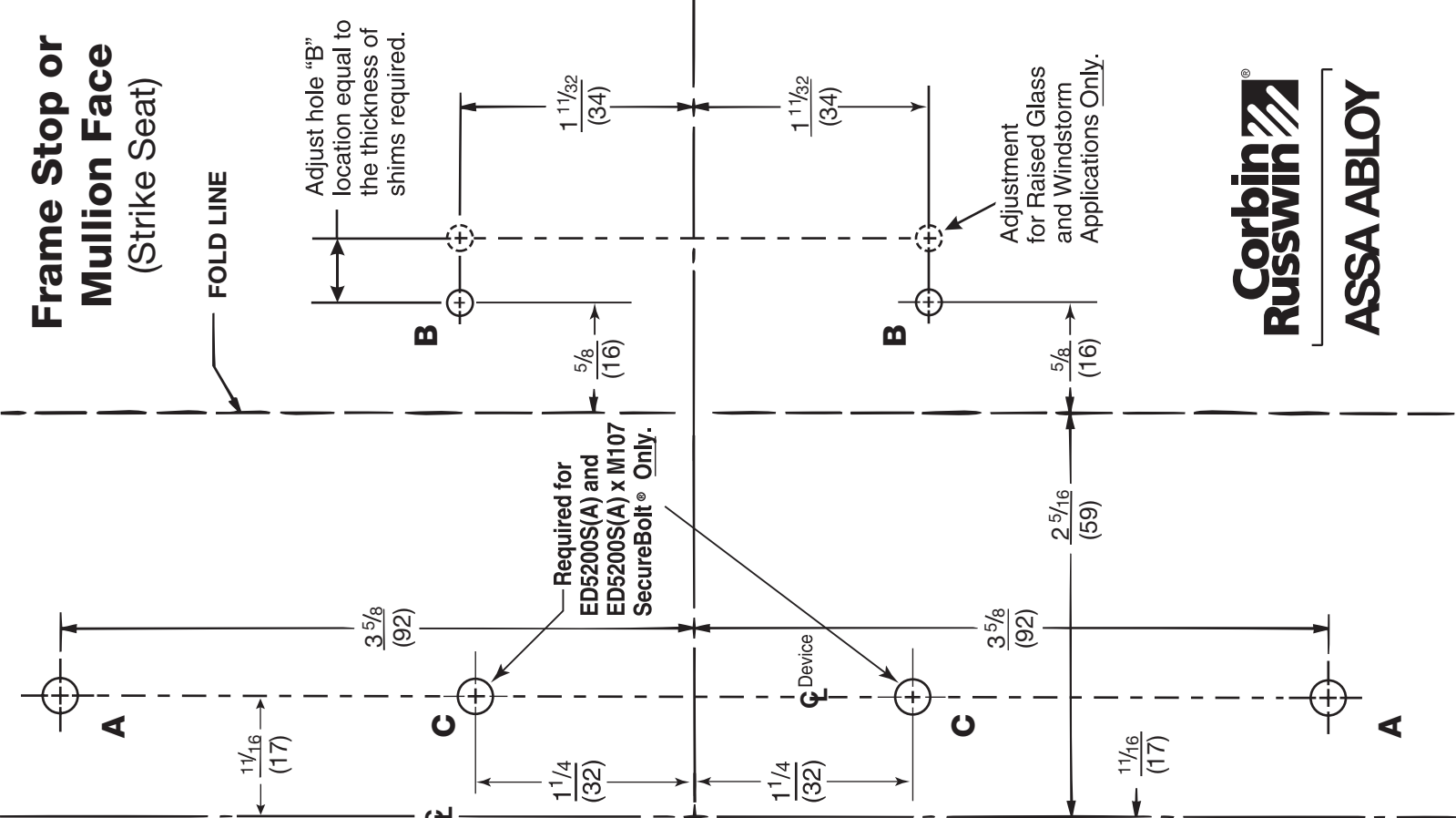| HOLE	DOOR/FRAME	FASTENER	PREPARATION
A and C	Metal Reinforced	1/4-20 Machine Screw	Drill: #7 (.201" dia.) Tap: 1/4-20
	All others	1/4-20 SNB	3/8" (9.50mm) dia. thru door
B	Metal Reinforced	10-24 Machine Screw	Drill: #26 (.147" dia.) Tap: 10-24
	Solid Hardwood	#10 x 1-1/4" Wood Screw	Pilot Hole: 11/64" (4.40mm) dia.
	All others	See Note 2	As required for blind nut used.

Notes:

1. **For ED5200(A):** Use with installation instructions FM156 (latest revision).
   For ED5200S(A): Use with installation instructions FM532 (latest revision).
   For ED5200S(A) x M107: Use with installation instructions FM532 (latest revision).

2. Unreinforced Frames require 10-24 blind rivet nuts (by others) be used to bolt strike. Frames are considered not reinforced when strike mounting screws cannot engage (3) full threads.

3. Dimensions are given in inches (mm).

4. **CAUTION: Office copiers and facsimile machines my change the size of a drawing and make the template inaccurate to use as a door marker. If this is not the original template packed with the trim, use only the dimensions written on the template to locate the holes on the door (do not use the template as a door marker).**

ED5200(A) Series, ED5200S(A) Series and ED5200S(A) x M107 (Windstorm) Rim and SecureBolt® Exit Devices Door Marker Template

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Frame Stop or Mullion Face
(Strike Seat)

FOLD LINE

Adjust hole "B" location equal to the thickness of shims required.

B

$\frac{1\ 11}{32}$ (34)

$\frac{5}{8}$ (16)

B

$\frac{1\ 11}{32}$ (34)

$\frac{5}{8}$ (16)

Adjustment for Raised Glass and Windstorm Applications Only.

Required for ED5200S(A) and ED5200S(A) x M107 SecureBolt® Only.

$\frac{2\ 5}{16}$ (59)

$\frac{3\ 5}{8}$ (92)

$\frac{3\ 5}{8}$ (92)

A

C

Ç Device

C

A

$\frac{1\ 1}{16}$ (17)

$\frac{11}{16}$ (17)

$\frac{1\ 1}{4}$ (32)

$\frac{1\ 1}{4}$ (32)

Ç

Ç HORIZONTAL REFERENCE & DEVICE

VERTICAL REFERENCE

Door Inside Face Surface
(Device Seat)

LHR Door

FLIP TO OTHER SIDE FOR RHR DOOR

HOLE	DOOR/FRAME	FASTENER	PREPARATION
A and C	Metal Reinforced	1/4-20 Machine Screw	Drill: #7 (.201" dia.) Tap: 1/4-20
	All others	1/4-20 SNB	3/8" (9.50mm) dia. thru door
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	Solid Hardwood	#10 x 1-1/4" Wood Screw	Pilot Hole: 11/64" (4.40mm) dia.
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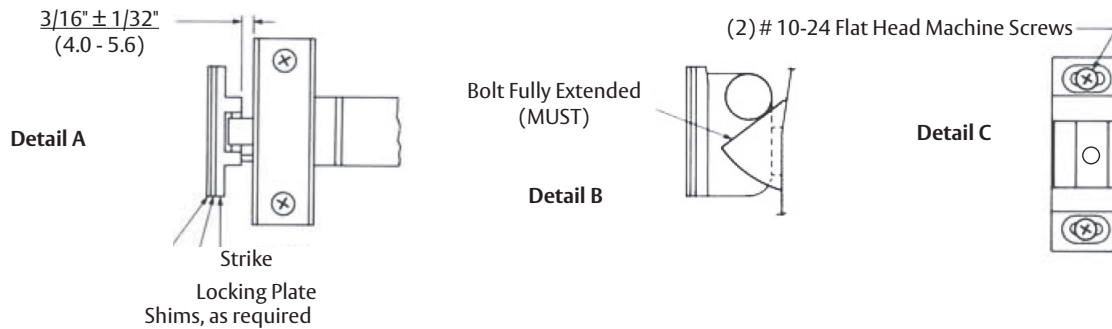
ED5200(A) Series, ED5200S(A) Series and ED5200S(A) x M107 (Windstorm) Rim and SecureBolt® Exit Devices Door Marker Template

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6. Install Strike

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

3/16" ± 1/32"
(4.0 - 5.6)

Detail A

Strike
Locking Plate
Shims, as required

Bolt Fully Extended
(MUST)

Detail B

(2) # 10-24 Flat Head Machine Screws

Detail C

B. Position Strike Depth. See Detail B.

C. Fasten Strike Securely, as Shown on Detail C.

D. Check Bolt Engagement.

1. Bolt should retract to clear the strike, when actuated by bar, trim, or dogging action. Bolt should consistently re-engage the strike, when actuators are released and the door shuts.

2. Door should remain latched and not rattle when pushed, pulled, or shaken in/out.

E. (Fire Devices Only) Stabilize Strike. See Detail E.

1. Prepare for and install strike center screw (1 # 10-24 Flat Head Machine Screws).

2. Position strike interlock bracket in place, as shown. Locate bracket holes.

3. Prepare interlock bracket mounting holes. Mount interlock bracket (4 # 10-24 Flat Head Machine Screws or SNB).

Detail E

E1

E2/E3

℄ Device, Strike &
Interlock Bracket

5/16"
(8)

Fire rated mullion application only
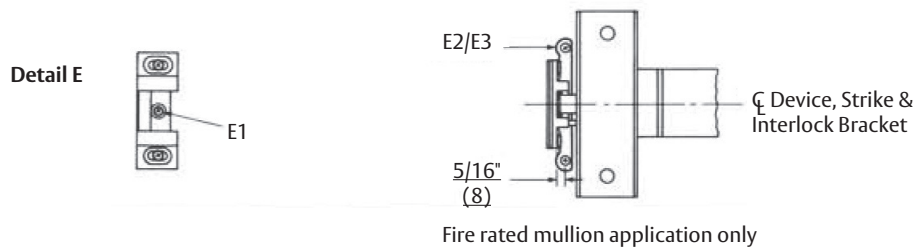
7. Install Head Cover & End Cap

Use (2) 8-32 Flat Head Machine Screws each, for Cover and for (3) End Cap.
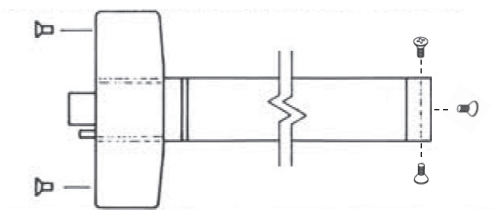
Plastic Template Instructions

For use in conjunction with instruction sheets and door marker templates packed with exit device. Holes and slots are identified below by exit device series and trim. Prep door and frame for only those features required for the exit device being installed.

All ED5000 Series Devices

Vertical Reference
(**Except Rim and SecureBolt®
Exit Devices**)

L H R

Concealed Vertical Rod

Trim Only

Against Frame Stop or Mullion
(when applicable)
**For Rim and SecureBolt®
Exit Devices Only**

Against Door Surface

Rim and
SecureBolt®

Trim Only

Mortise

Horizontal Reference

ED5200S

Concealed Vertical Rod

Trim Only

All ED5000 Series Devices

R H R

Vertical Reference
(**Except Rim and SecureBolt®
Exit Devices**)