

Product Components

- ① 8000/8300 Electric Strike Body
- ② Sticky Shims (optional use)
- ③ 12 & 24 Volt Pigtails

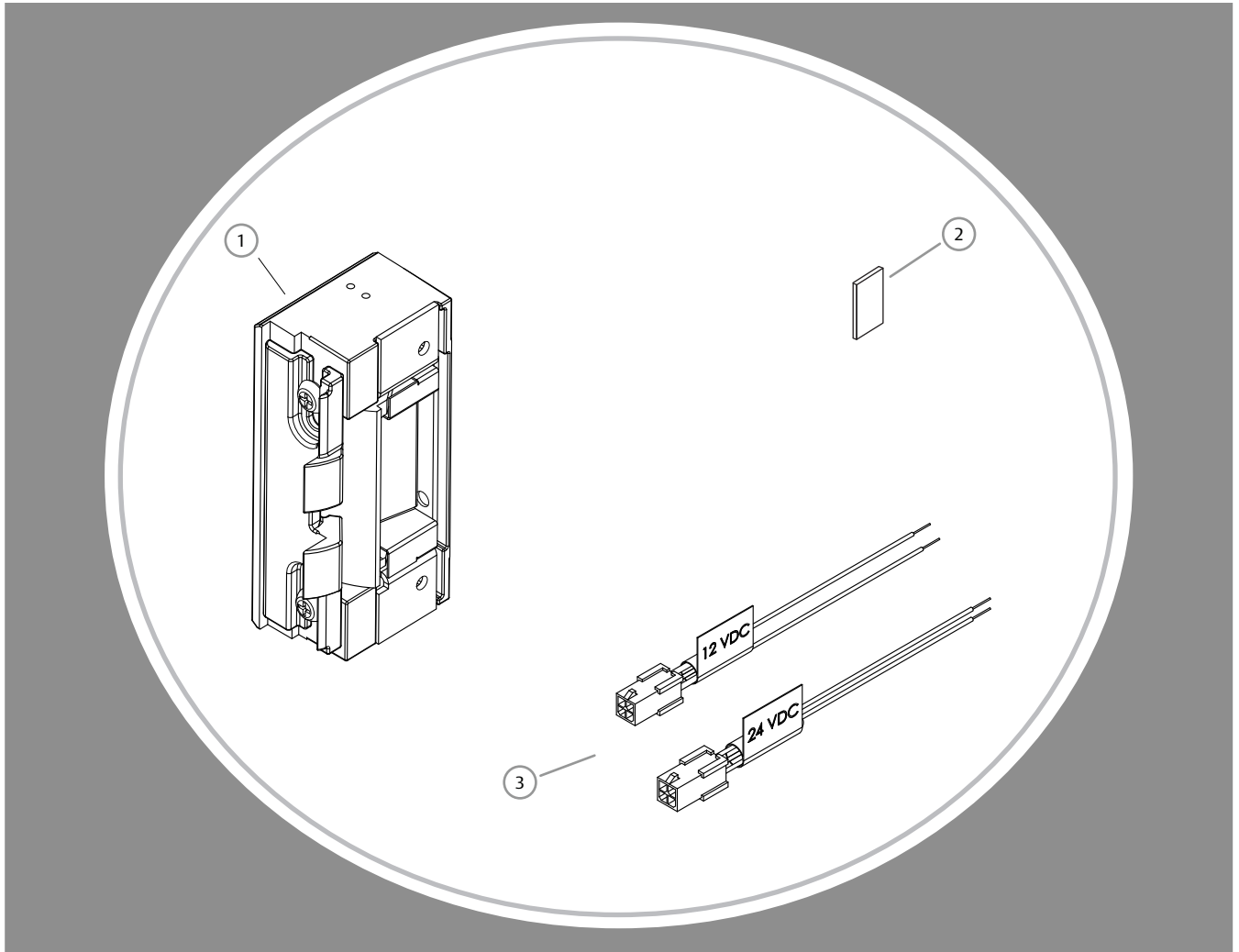


Diagram 1: Electrical Specifications

ELECTRICAL RATINGS FOR SOLENOID	CONTINUOUS DUTY		INTERMITTENT DUTY*	
	12VDC	24VDC	12-16VAC	24VAC
Resistance in Ohms	50	200	50	200
Amps	.24	.12	.24-.32	.12

Solenoids are rated at +/- 10% indicated value.
*10% max duty cycle (2 min. max on time)

MINIMUM WIRE GAUGE REQUIREMENTS	SOLENOID VOLTAGE	
	12VDC	24VDC
200 feet or less	18 gauge	20 gauge
200 - 300 feet	16 gauge	18 gauge
300 - 400 feet	14 gauge	16 gauge

CAUTION! Before connecting any device at the installation site, verify input voltage using a multimeter. Many power supplies and low voltage transformers operate at higher levels than listed. Any input voltage exceeding 10% of the solenoid rating may cause severe damage to the unit and will void the warranty.

Evaluate Opening

1. Verify opening is plumb and square. For important detail, see "Read Me" guide.

Prepare Strike

2. Select the appropriate Plug In Connector that matches system power and electrically connect as illustrated in Diagram 2. For 12V AC/DC or 16V AC, the pigtail marked "12 VDC" should be used. For 24V AC/DC, the pigtail marked "24 VDC" should be used. If no connector is present, configure the wires as illustrated within Diagram 2.

3. Make sure that the electric strike is in correct mode of operation. This electric strike ships in fail secure mode. If you need to convert the unit to fail safe, see Diagram 3 on page 3.

4. If using Latchbolt Monitor (LBM), see Diagram 4.

5. Attach the faceplate to the electric strike, using the #8-32 screws provided. Be sure that the ramps are on top of the faceplate. (see Diagram 5 on page 3).

Prepare Frame

6. Prepare door jamb per the appropriate template detail (see pages 4-6).

7. If applicable, install mounting tabs using #10-32 screws. Do not tighten.

Finish Installing

8. If opening is not plumb and square, see "Read Me" guide for recommended corrections.

9. Install the electric strike unit in jamb cutout, using #12-24 screws provided (or wood screws where necessary).

10. The deadlatch must not interfere with the 8000/8300 ramps (see Diagram 6 on page 3). If you need to adjust the ramps, mark the centerline of the deadlatch onto the 8000/8300 faceplate. Remove the 8000/8300 electric strike from jamb. Loosen screws and slide internal ramp until the groove between the ramps aligns with the mark made on the faceplate. Tighten the screws. (see Diagram 7 on page 3).

11. Connect wires from power source to the electric strike.

12. Reinstall electric strike, tighten the #12-24 screws and verify clearance of deadlatch.

13. If applicable, tighten the #10-32 screws holding the mounting tabs.

DIAGRAM 2: 12V to 24V CONVERSION

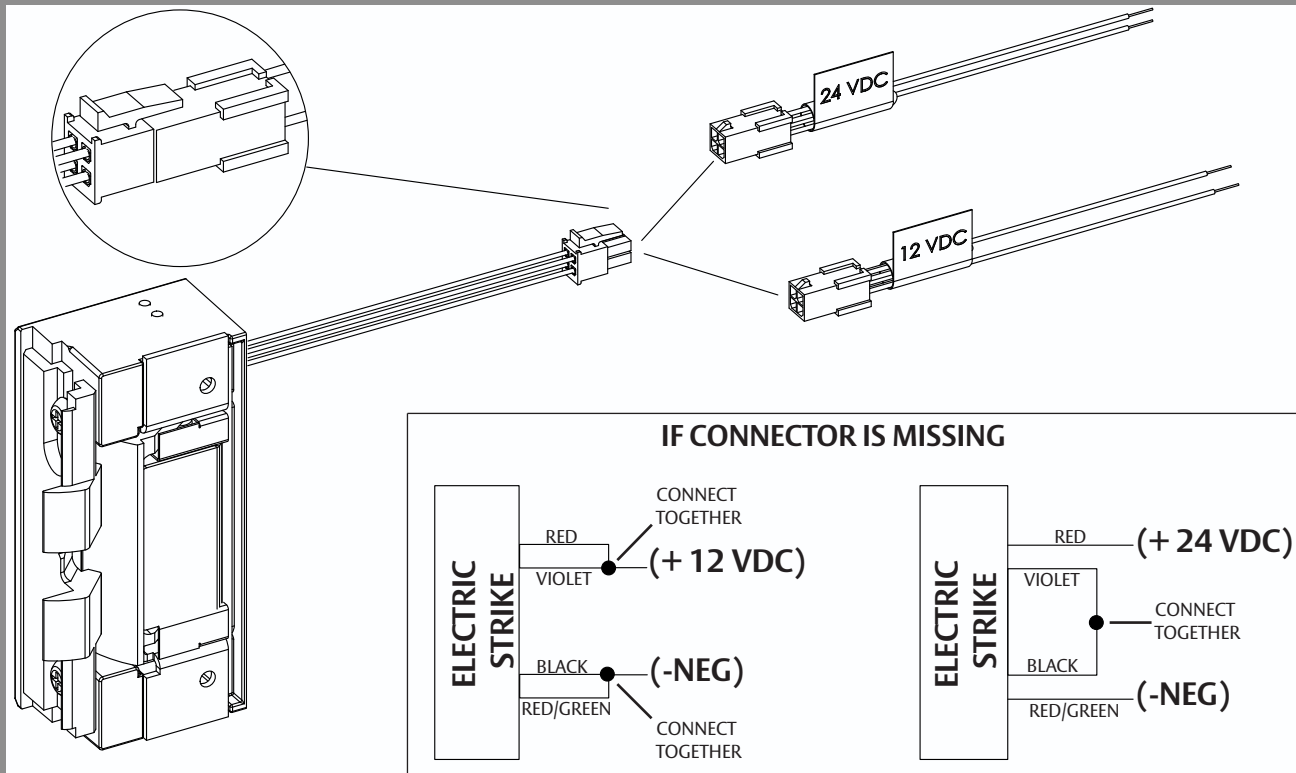
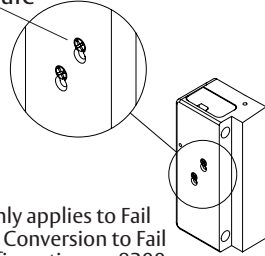


DIAGRAM 3: FAIL SAFE TO FAIL SECURE

- a Loosen screws, but do not remove them
- b Move screws to the Fail Safe position as shown
- c Tighten screws

Fail Safe*



*Fire rating only applies to Fail Secure units. Conversion to Fail Safe negates fire rating on 8300

DIAGRAM 4: LATCHBOLT MONITOR

LBM WIRING

White	Common
Orange	Normally Open
Green	Normally Closed

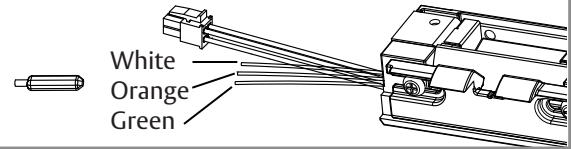


DIAGRAM 5: FACEPLATE INSTALLATION

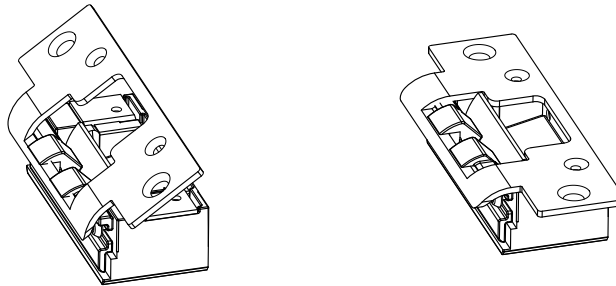


DIAGRAM 6: VERTICAL ALIGNMENT

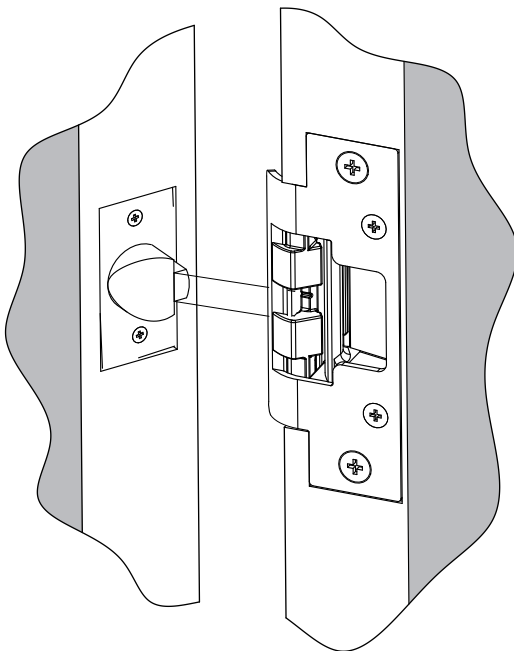
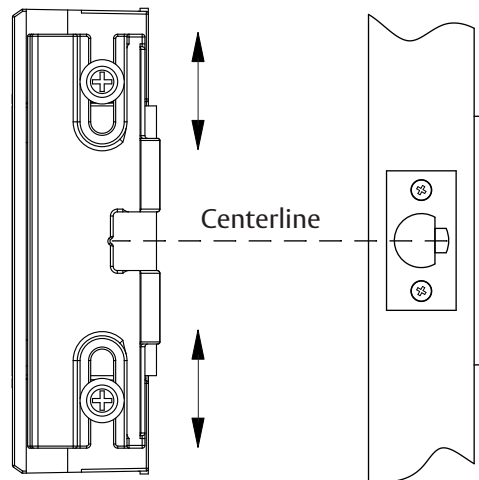


DIAGRAM 7: VERTICAL ADJUSTABILITY



Inches [mm]

8000/8300 with 801 Faceplate

1-1/4" X 4-7/8" Square Corner Faceplate
ANSI Metal Jamb Installations

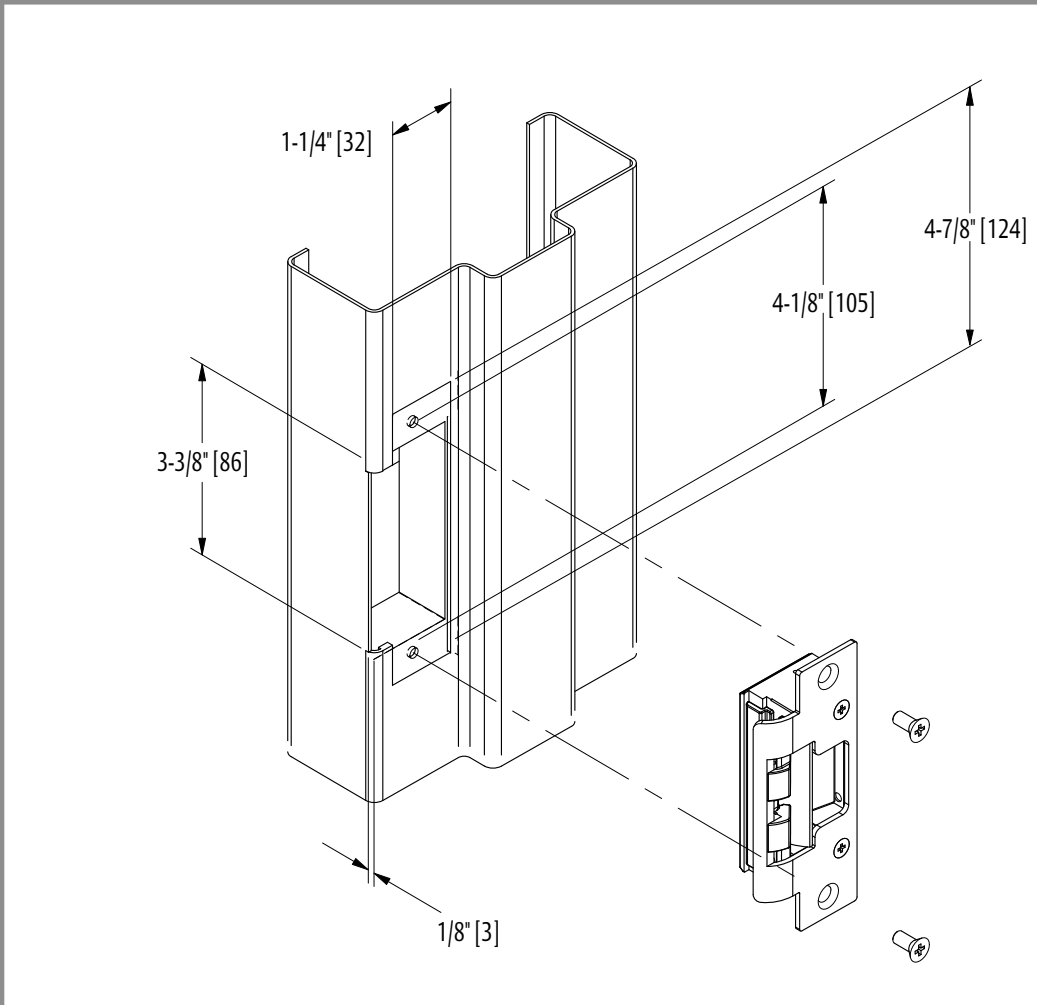
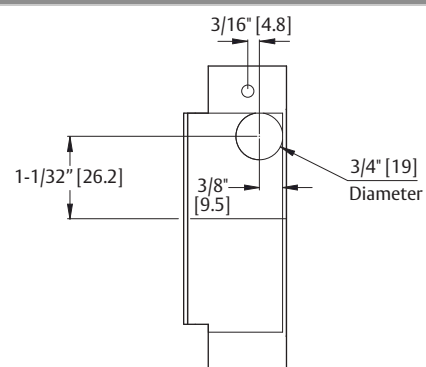


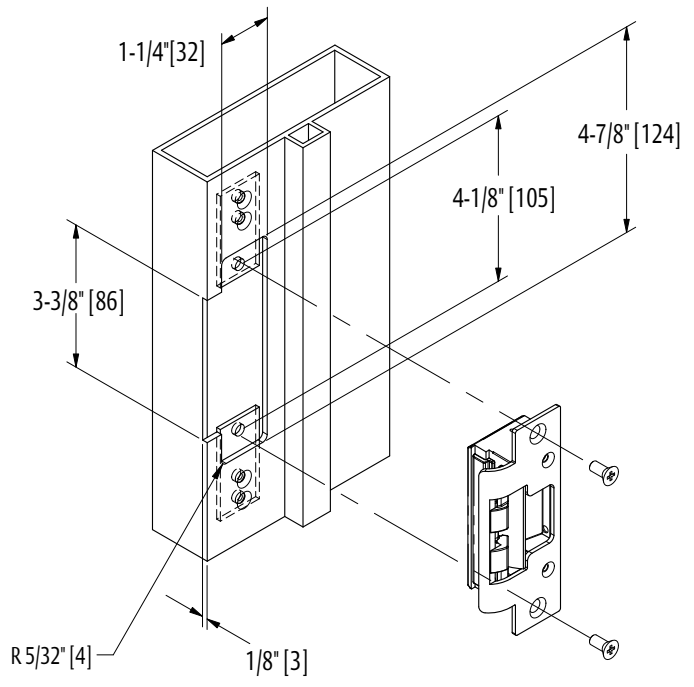
DIAGRAM 8: WIRE DRILLING

NOTE: The 8000/8300 electric strike with 801 faceplate will fit right into most standard ANSI A115.2, 1" deep dustboxes (e.g. the Curries® E-1 preparation), requiring no cutting. If you elect to place the 8000/8300 into the existing dustbox, simply drill for wire connections.



8000/8300 with 801A Faceplate

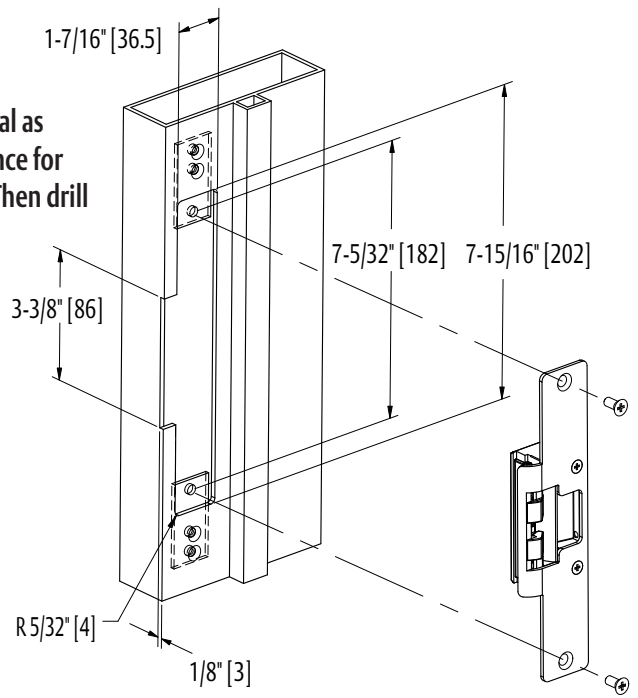
1-1/4" x 4-7/8" Radius Corner Faceplate
Aluminum Jamb Installations



8000/8300 with 802 Faceplate

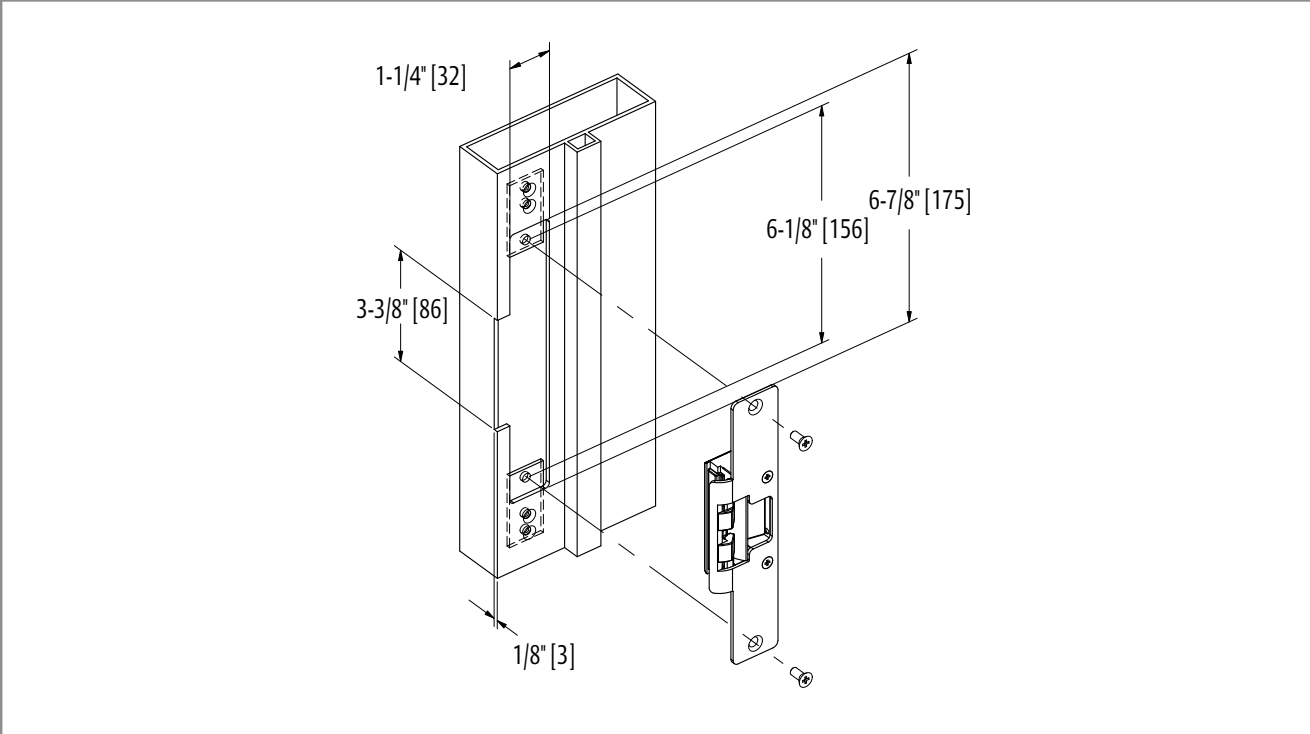
1-7/16" x 7-15/16" Radius Corner Faceplate
Aluminum and Wood Jamb Installations

Remove additional material as needed to provide clearance for electric strike and wires. Then drill for wires (see Diagram 8)



8000/8300 with 803 Faceplate

1-1/4" x 6-7/8" Radius Corner Faceplate
Aluminum Jamb Installations



8000/8300 with 805 Faceplate

1-3/8" x 9" Radius Corner Faceplate
Aluminum or Wood Jamb Installations

