*9903 and *9905 Series

HEAVY DUTY ELECTRICALLY CONTROLLED TRIM

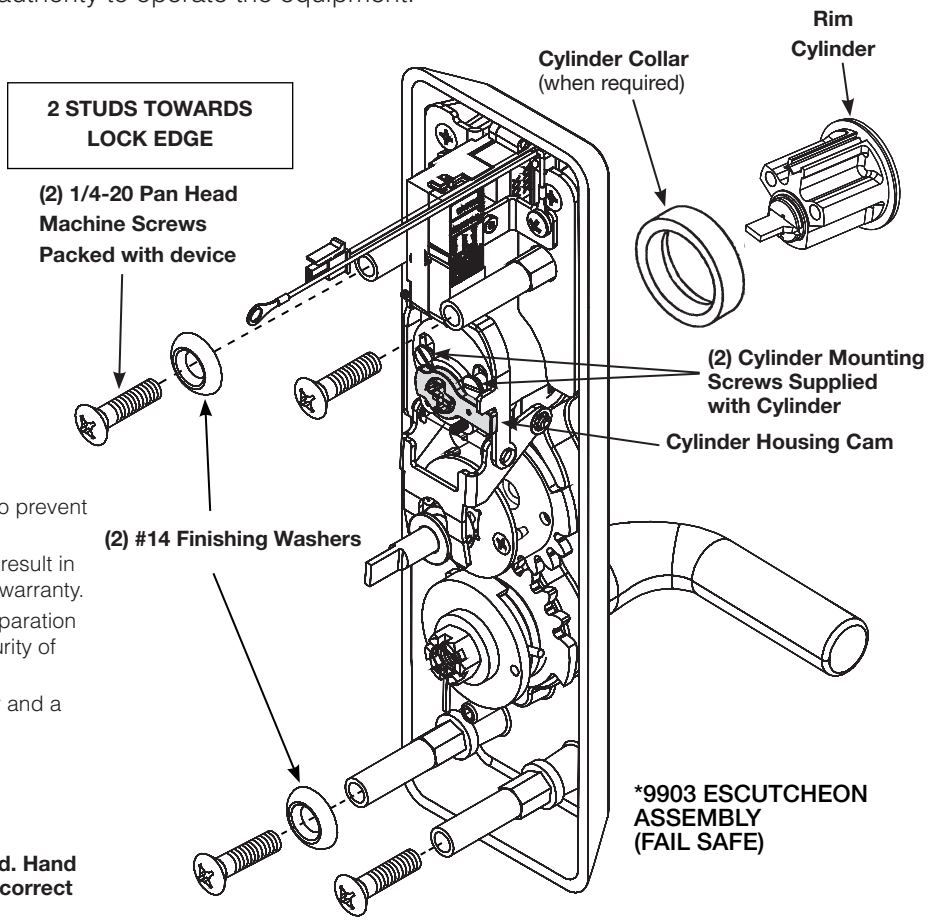
Corbin Russwin

ASSA ABLOY

For use with ED5000 Series Exit Device (Wood and Metal Doors)

Combine simplicity, security and access control in a robust and elegant design with the redesigned Corbin Russwin *9903 and *9905 series electrically controlled exit trim. Utilizing the patented free wheeling system, the redesigned Exit trim provides electrified remote locking and unlocking.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



Attention Installer

Please read these instructions carefully to prevent missing important steps.

Please Note: Improper installations may result in damage to the lock and void the factory warranty.

Important: The accuracy of the door preparation is critical for proper functioning and security of this lock.

Misalignment can cause premature wear and a lessening of security.

Escutcheon Assembly
Lever is handed, LHR (shown) or RHR.
Note: Lever Return Spring is handed. Hand or trim cannot be changed without correct spring.

LHR, part number 651 F61-8 (Red)
RHR, part number 651 F62-8 (Blue)

Corbin Russwin Cylinder Collar Chart	
Cylinder Length	Collar
1-1/8" (29)	None
1-1/4" (32)	654F07 **
1-1/2" (38)	654F08 **

** Specify finish

Corbin Russwin Tailpiece Chart	
Door thickness	Tailpiece
1-3/4" (44.5)	789F908 (standard)
2" to 2-1/4" (51 to 57)	789F918

1. Check cylinder components.
NOTE: Cylinders longer than 1-1/8" (29mm) will require collars.
Refer to Corbin Russwin Cylinder Collar Chart on this page.

2. Doors with a thickness larger than 1-3/4" (44.5) requires a larger tailpiece.
Refer to Corbin Russwin tailpiece chart on this page.

3. Assemble cylinder.
Insert cylinder housing prongs into matching notches of escutcheon.
Pass cylinder tailpiece thru cylinder collar (when required) and slot in cylinder housing cam.
Fasten cylinder in escutcheon recess or collar using (2) mounting screws.
DO NOT OVERTIGHTEN SCREWS

* Represents prefix letter(s) for various lever designs.

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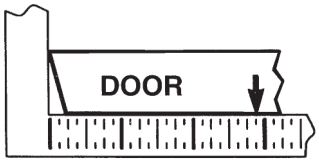
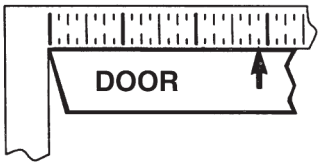
1. Assemble trim. See previous page for components and instructions.
2. After marking door inside face for device location (Device Instructions), transfer "Vertical Reference Centerline" from inside to outside door face.

   Follow steps 2a. and 2b. below.
3. Transfer "Horizontal Reference Centerline" from inside to outside door face.
4. Align trim template and tape to outside door face.
5. Spot holes and prepare door for trim.
6. Pull wire through wire access hole as trim is placed in prep. To avoid wire entanglement in trim mechanism, do not leave excess wire in trim prep.



2a. MEASURE INSIDE LINE LOCATION.



2b. TRANSFER DIMENSION TO OUTSIDE FACE.

Mount trim to door thru holes “B”, guide the tailpiece to pass thru the hole “T”, If is necessary use a screw driver to guide the tailpiece. After the trim is in position, fasten by finger tightening only, with (2) screws and washers seating on door as shown in Figure 1.

7. Determine power transfer method, through door or through device.
   For through device, see "Exit Device Wiring" below.
   Seat device so that trim tailpiece engages with cross hole of cam slot in horizontal position as shown in **Figure 1**.
   Continue device mounting as shown in device instructions.
   Do not install covers until device is wired.
   Connect trim to 4' wire harness.
   Refer to Typical Wiring Instructions after device has been installed.

Exit Device Wiring (Figure 3)

a. Remove end cover and bottom cover.

b. Remove trim slide retainer and replace with new retainer.

c. Place wire bracket over new trim slide retainer, as shown.

d. Place wire harness on the carrier with the plug connector at the latch side of the device. Allow 6" for connection to the electric trim.

   Place the wire harness between the wire bracket and carrier.

e. Replace the bottom cover and end cover.

FIGURE 1

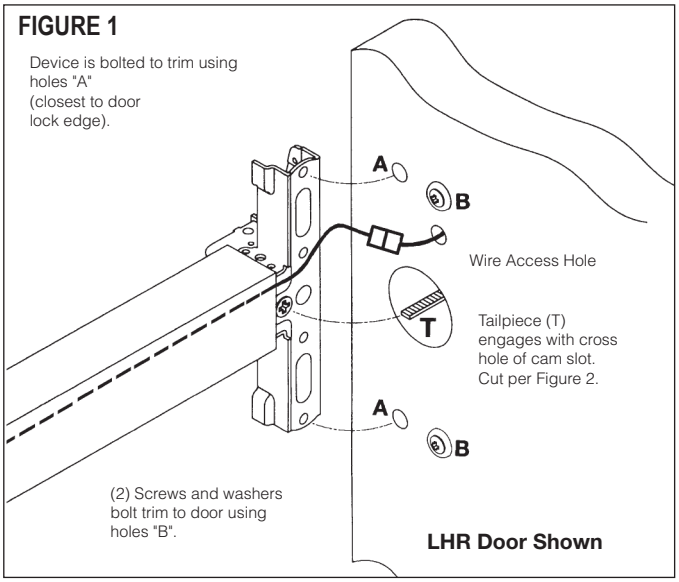


FIGURE 2

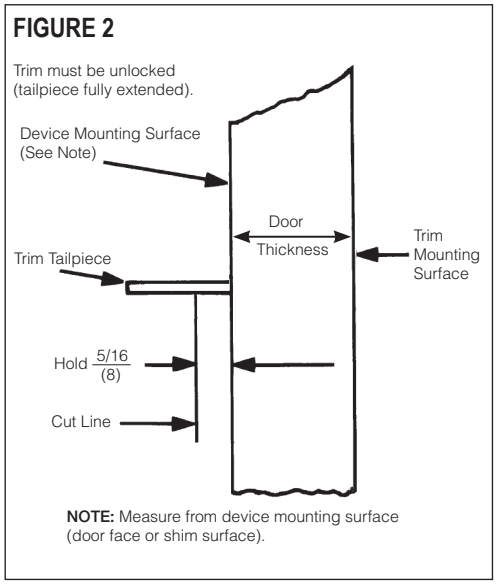
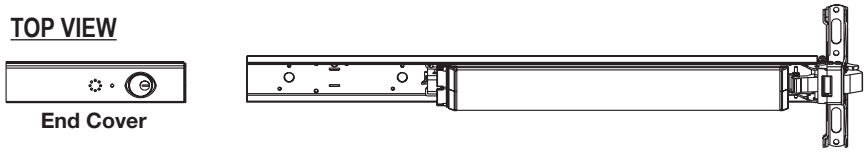
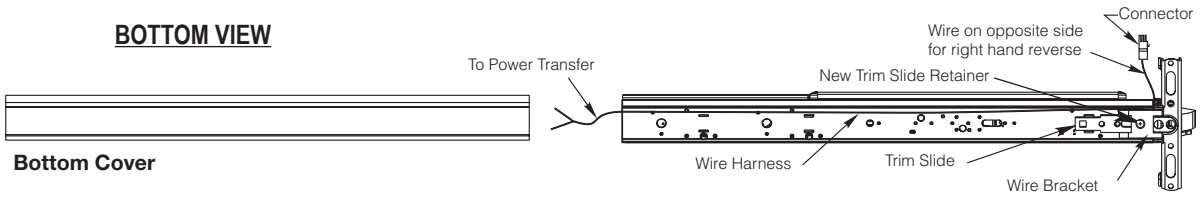


FIGURE 3
(See Steps 8a. - 8e.)





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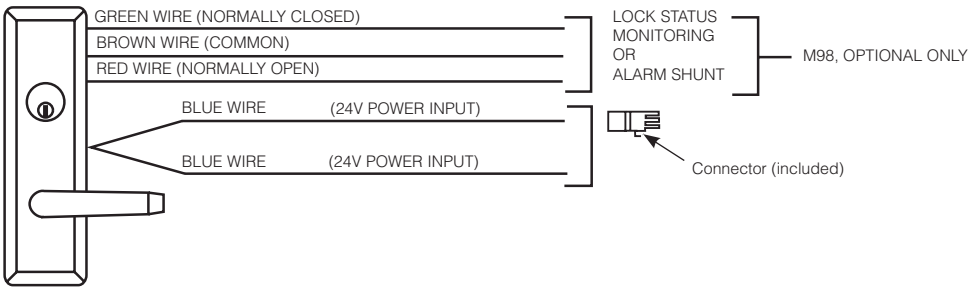
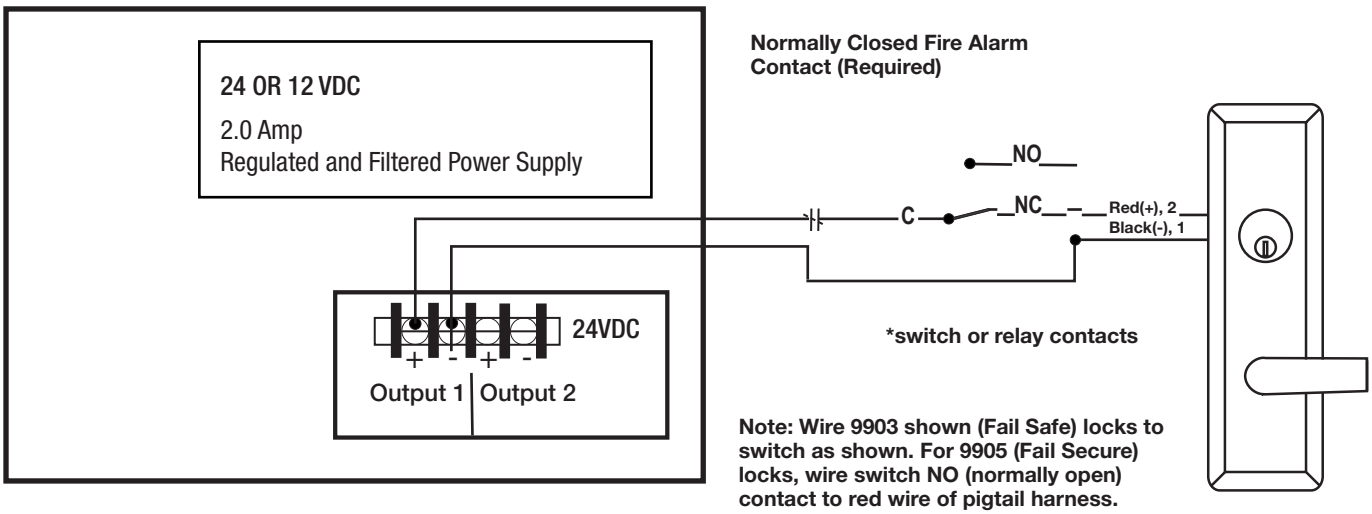
ELECTRICAL SPECIFICATIONS

DC/AC POWER LEADS



Sample wiring for 9903 & 9905 EcoFlex ET with a 24 OR 12 VDC Regulated and Filtered Power Supply



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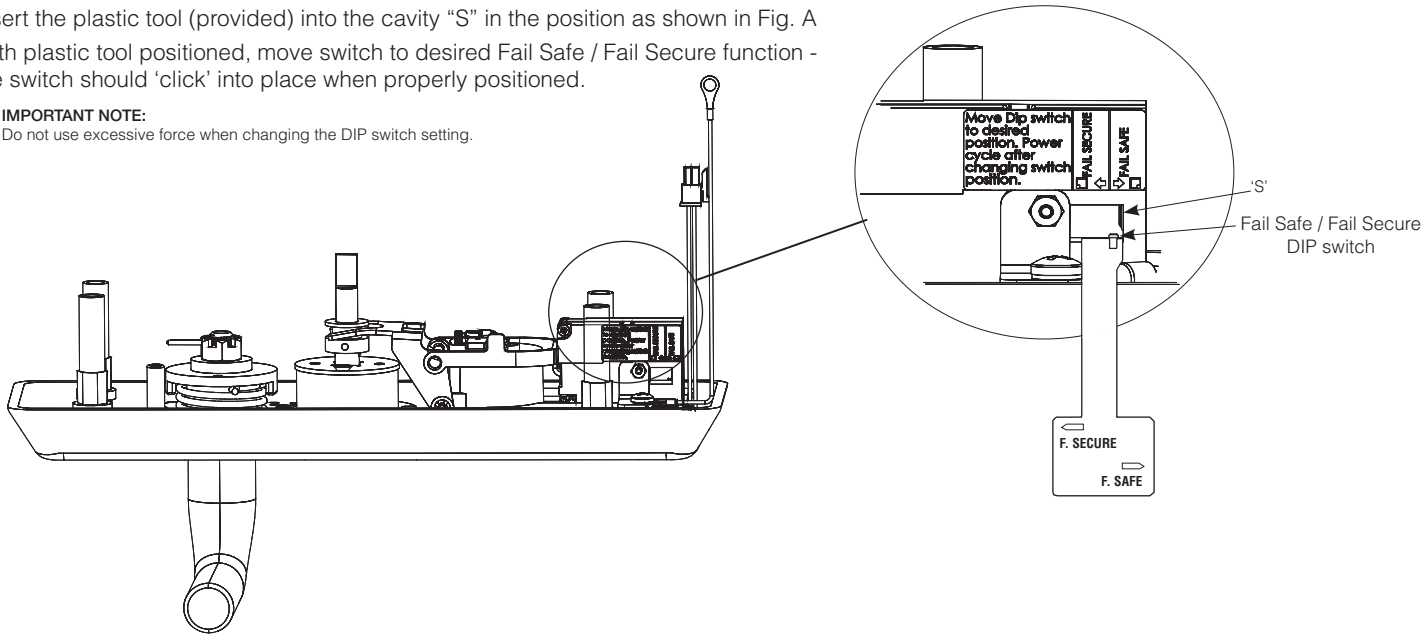
Installation Instructions

9903 Fail Safe Configuration / 9905 Fail secure Configuration

a. Insert the plastic tool (provided) into the cavity “S” in the position as shown in Fig. A

b. With plastic tool positioned, move switch to desired Fail Safe / Fail Secure function - the switch should ‘click’ into place when properly positioned.

IMPORTANT NOTE:
Do not use excessive force when changing the DIP switch setting.



Electric Trim Functions

9903 (FAIL SAFE)

- Lever is locked when power is on (free wheeling)
- Power ‘off’ allows entry from trim
- Inside device is always active for egress
- Mechanical key override
  F09 Function-Key allows lever to retract latchbolt.
  Key can only be removed in locked position.

9905 (FAIL SECURE)

- Lever is locked when power is off (free wheeling)
- Power ‘on’ allows entry from trim
- Inside device is always active for egress
- Mechanical key override
  F09 Function-Key allows lever to retract latchbolt.
  Key can only be removed in locked position.

Electric Trim Troubleshooting

Issue	Solution
Trim will not retract latchbolt when power is applied (Fail Secure) or when power is removed (Fail Safe)	• Check trim installation.for binding • The cylinder tailpiece may be out of alignment with the exit device. • Loosen trim mounting screws and realign trim to exit device • Check voltage at trim and wire transfer to determine correct voltage is applied.
Mechanical key will not allow lever to retract latchbolt	• Check trim installation for binding • Check and make sure the cylinder attaching screws are tight • Make sure cam moves freely

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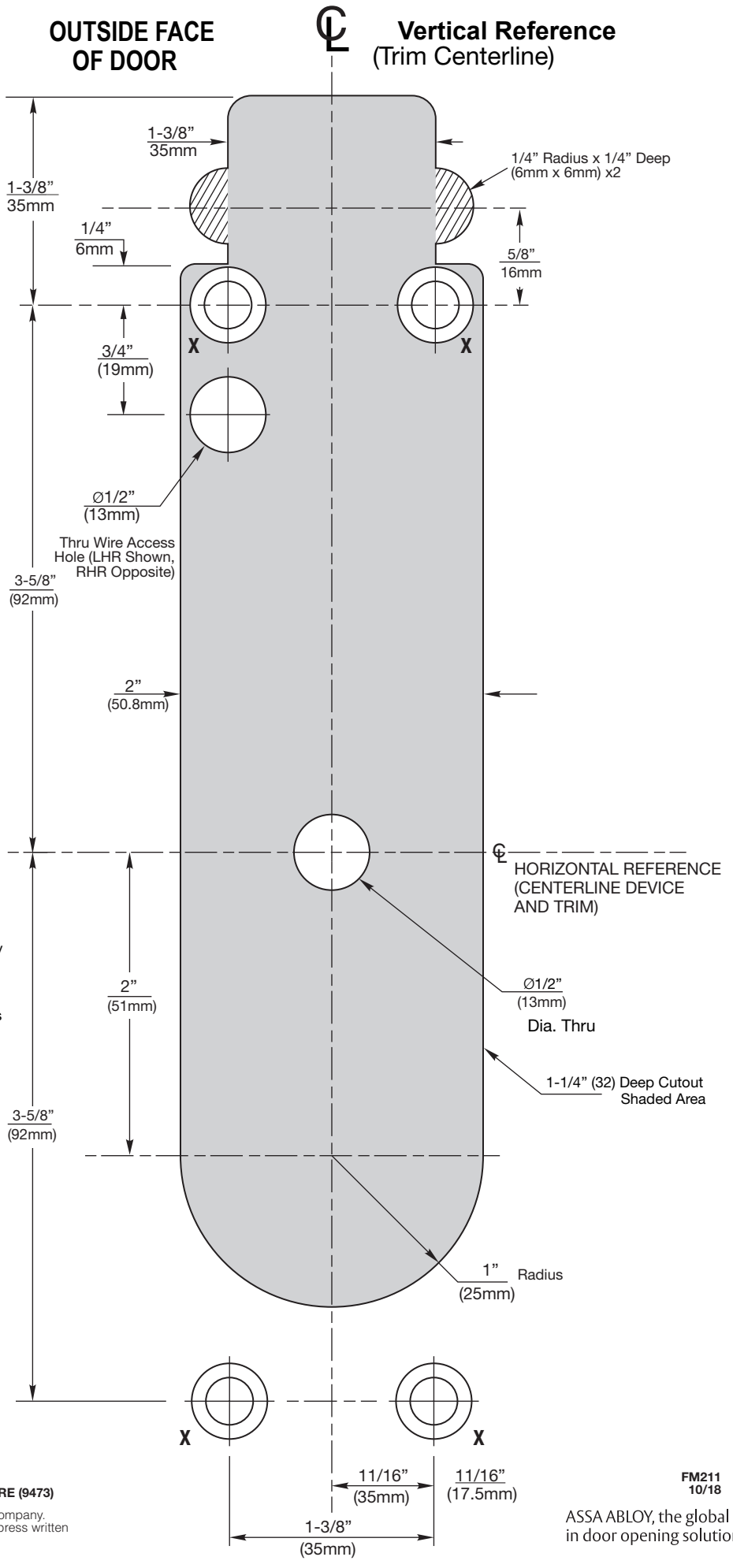
Door Marker Template

Dimensions given in **Inches** (**mm**)

HOLES MARKED "X" (4 Places)	
METAL DOORS:	
Inside Face	5/16" (8) Dia.
Outside Face	1/2" (13) Dia. Thru
WOOD DOORS:	1/2" (13) Dia. Thru

CAUTION: Office copiers and facsimile machines may 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 template as a door marker).



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