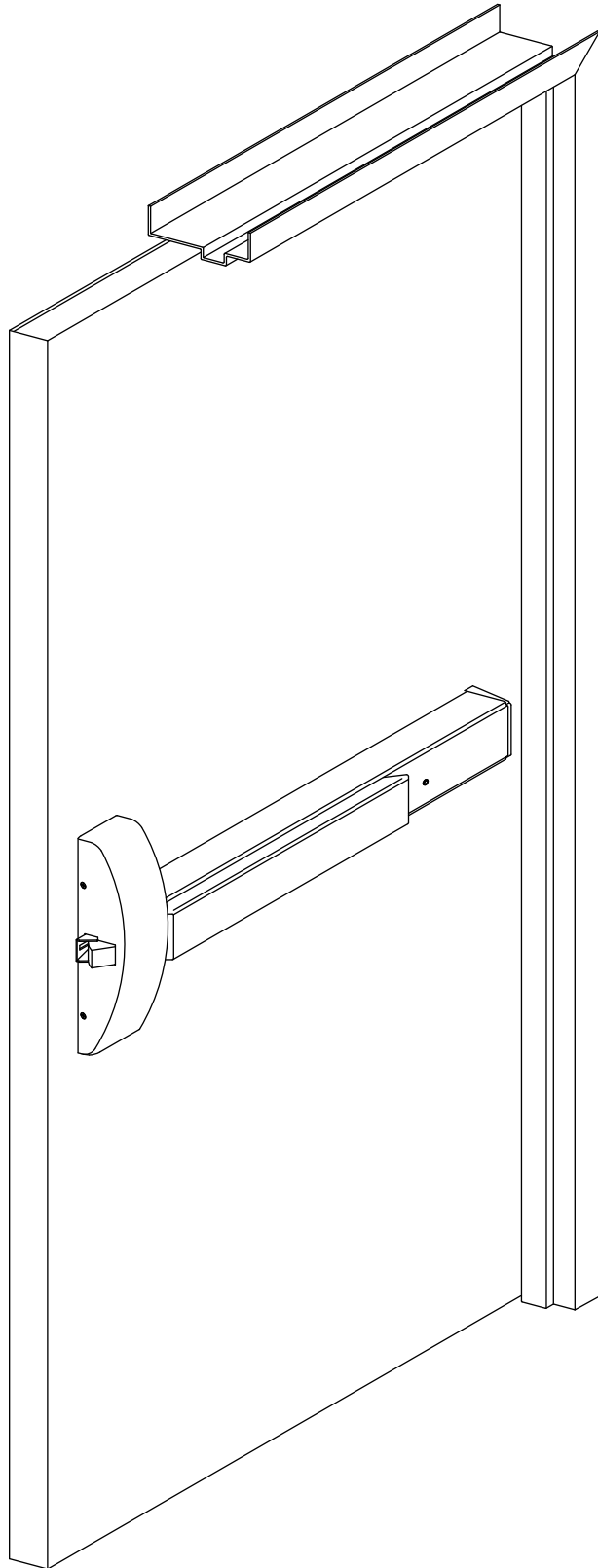
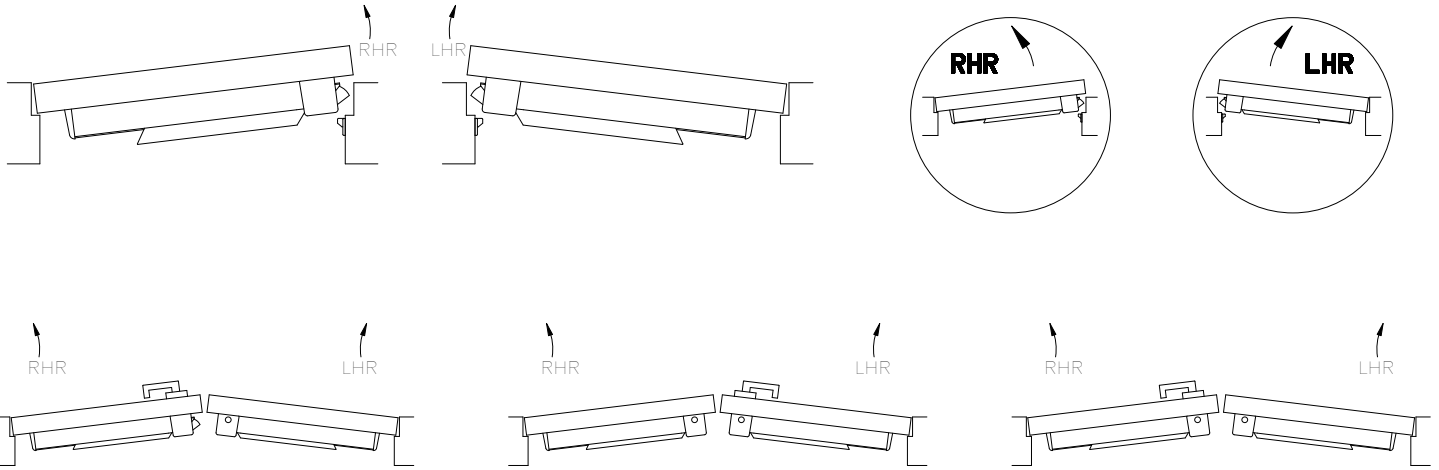


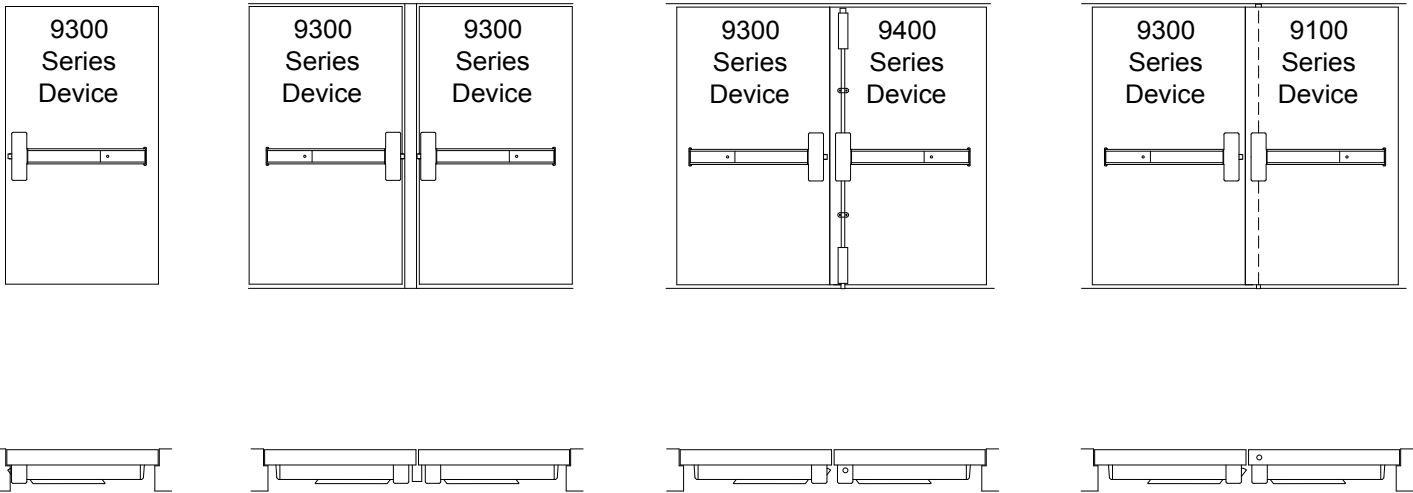
9300/F9300 SERIES
RIM EXIT DEVICE



HANDING



TYPICAL INSTALLATIONS



SCREW CHART

⊕ All Screws Are Phillips Head

- F.H.P.T.S. — Flat Head Phillips Tapping Screw
- R.H.P.T.S. — Round Head Phillips Tapping Screw
- R.H.P.M.S. — Round Head Phillips Machine Screw
- R.H.P.M.S. — Round Head Phillips Machine Screw x Thru Bolt
- F.H.P.M.S. — Flat Head Phillips Machine Screw
- O.H.P.M.S. — Oval Head Phillips Machine Screw
- F.H.P.U.C.M.S. — Flat Head Phillips Undercut Machine Screw

1 Installation

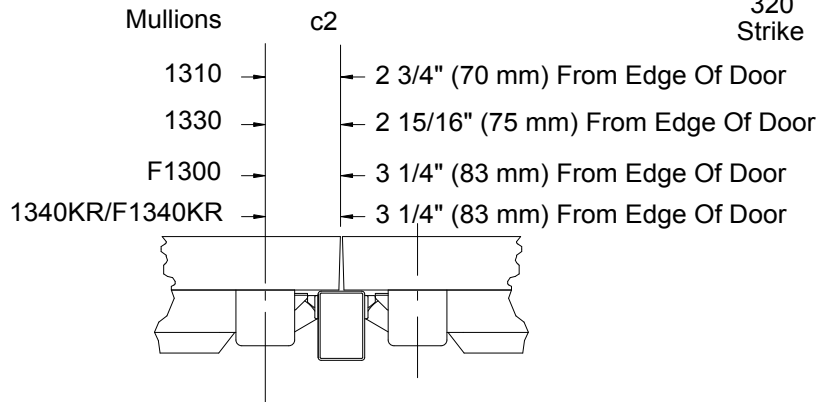
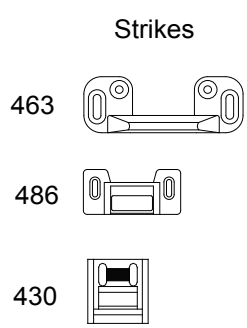
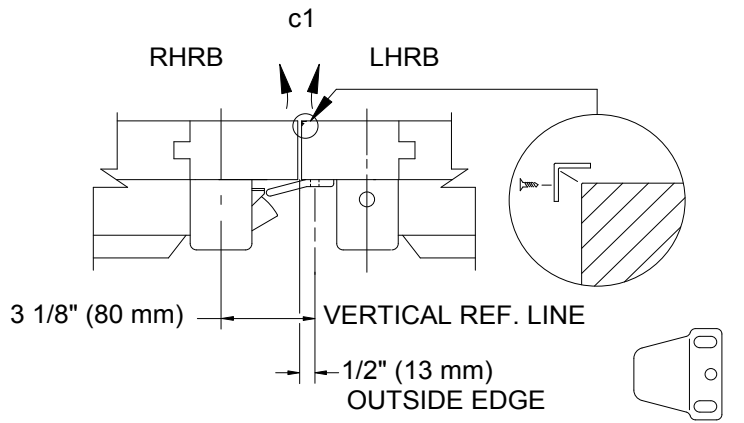
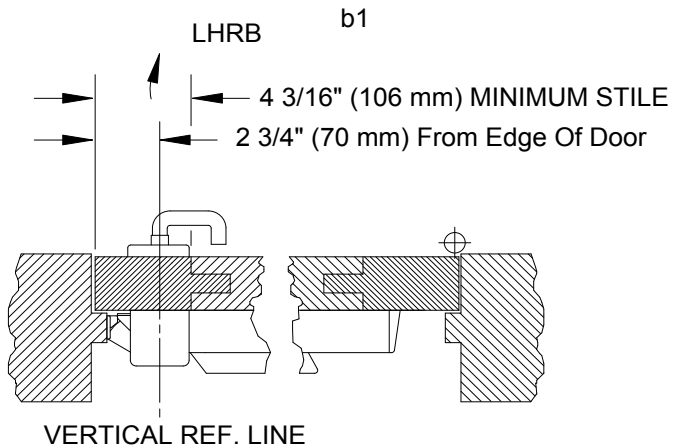
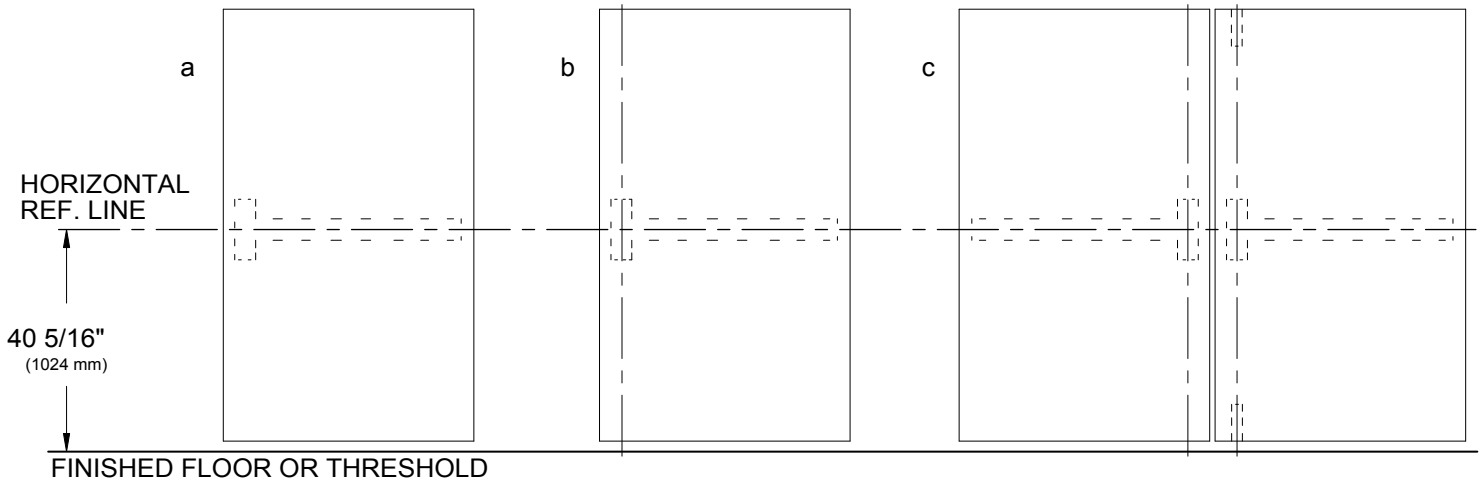
Read the entire instruction sheet prior to installation.

Before Installing Hardware:

1. Door should be fitted and hung.
2. Verify door width, with carton label for correct exit device length. (See Step 7)
3. For hand reversal of outside lever trim see Step 4. Additional sheet pack also packaged with trim.

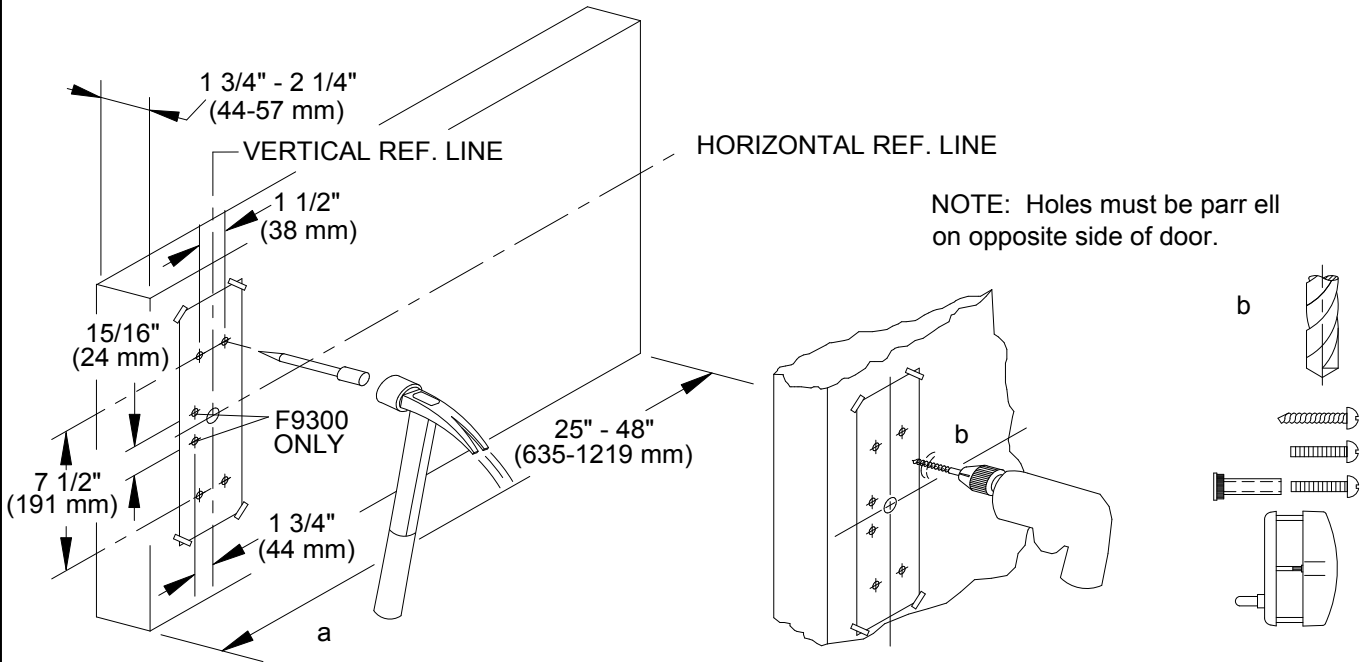
Note: If device is to be installed over glass lite panels, shim kit may be required, order No. GK9000.

2 Door preparation



3 Refer to carton label for model and trim number prior to drilling.

Refer to Template T9300, located at rear of instruction booklet for specific hole locations, drill size and screw sizes.



4 Handing change of trim, and cylinder specifications and installation.

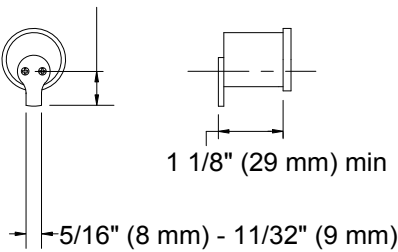
Note: For specific trim functions, cylinder type, and handing information; see additional instructions packed with trim.

Standard "V" Trim

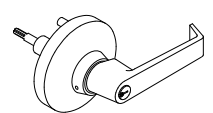
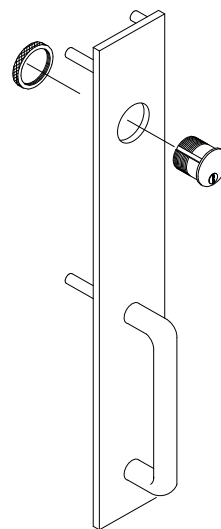
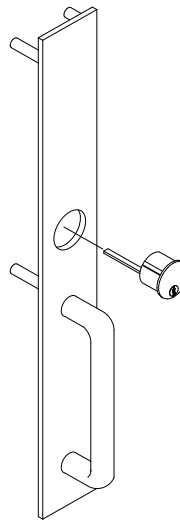
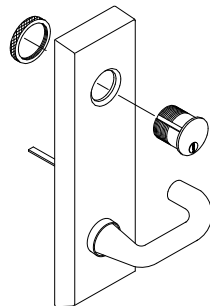
Standard "T" Trim

Standard "R" Trim

21/32" (17 mm) min



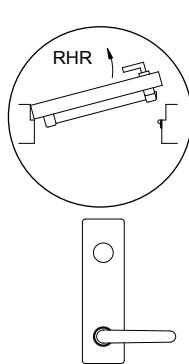
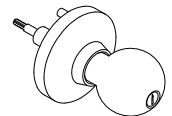
Standard "Y" Trim



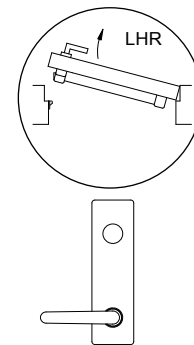
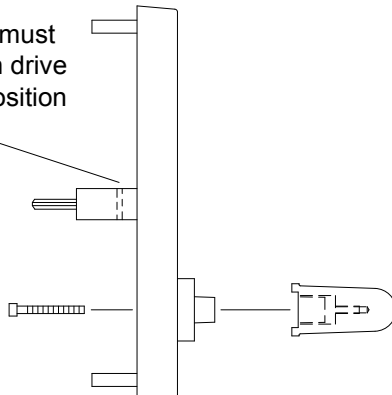
Standard "C" Trim



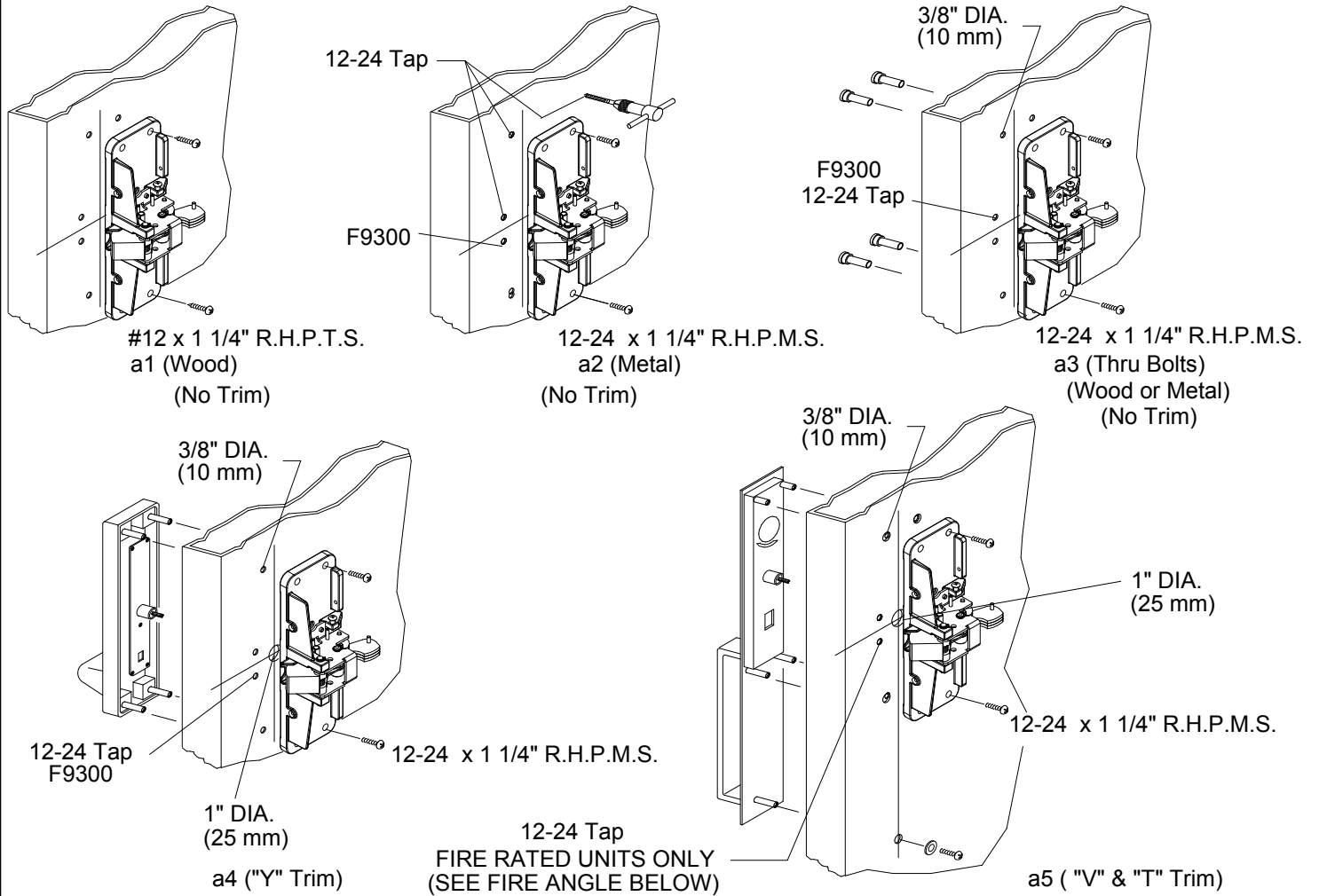
Standard "K" Trim



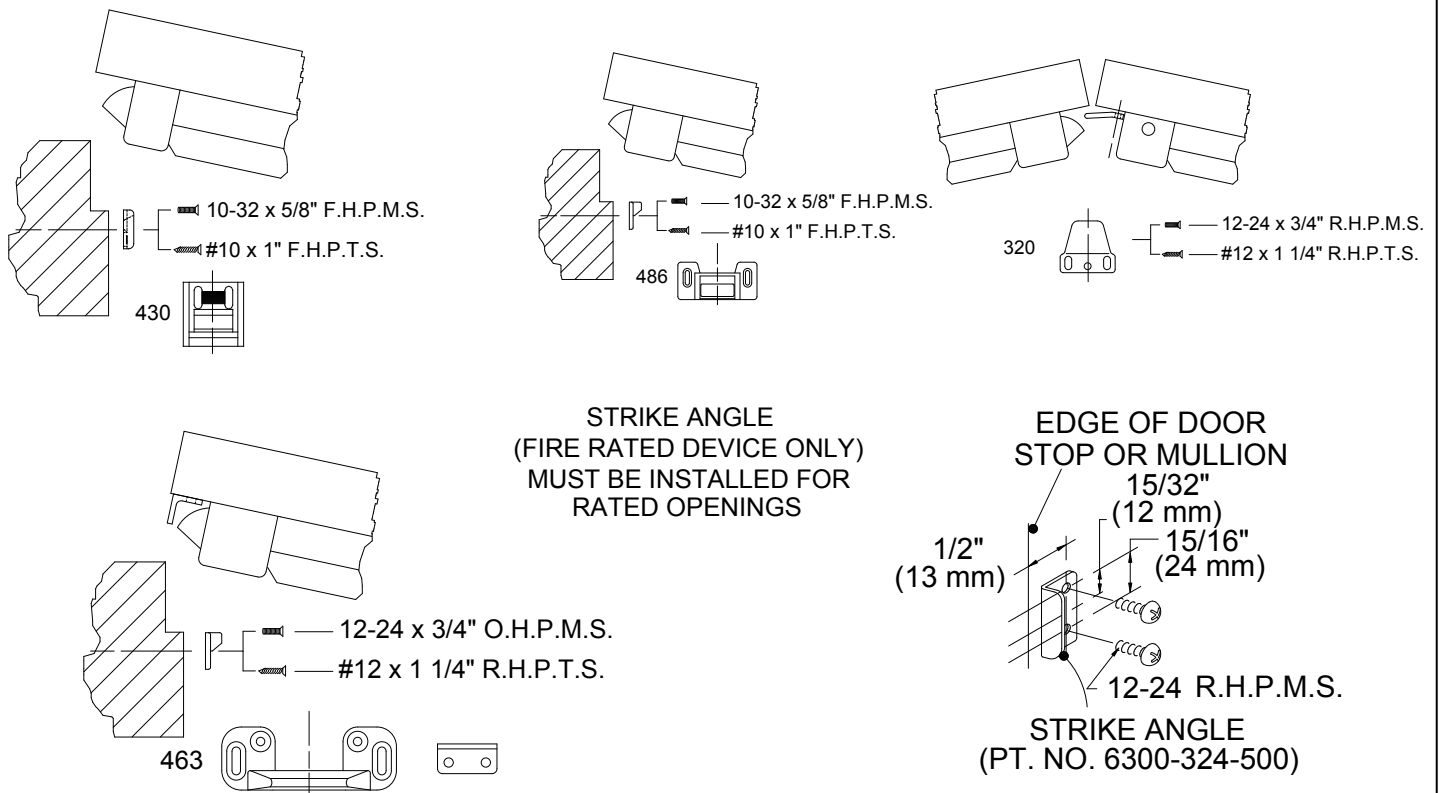
NOTE: Spindle must be installed with drive pin in vertical position as shown.



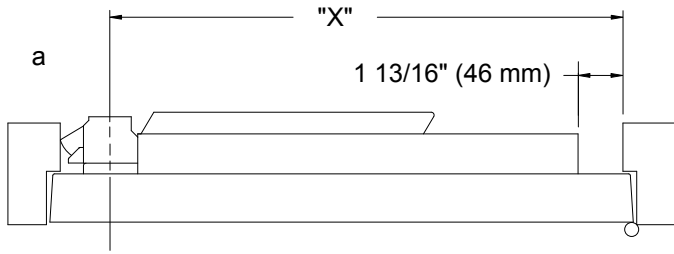
5 Chassis installation. If using GK9000, install shims under chassis at this time.



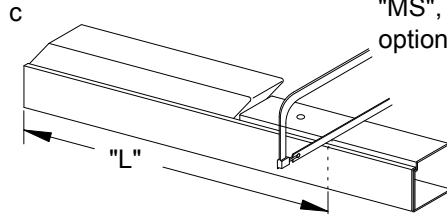
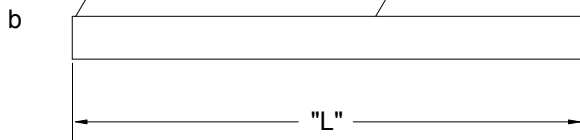
6 Strike installation



7 Cutting touch bar to length



"L" = "X" - 2 1/2" (64 mm)



SIZE A:
Will fit 48" (1219 mm) door opening without cutting.
Can be cut to fit a 34" (864 mm) minimum door opening.

SIZE B:
Will fit 36" (914 mm) door opening without cutting.
Can be cut to fit a 28" (711 mm) minimum door opening.

SIZE C:
Will fit 30" (762 mm) door opening without cutting.
Can be cut to fit a 25" (635 mm) minimum door opening.

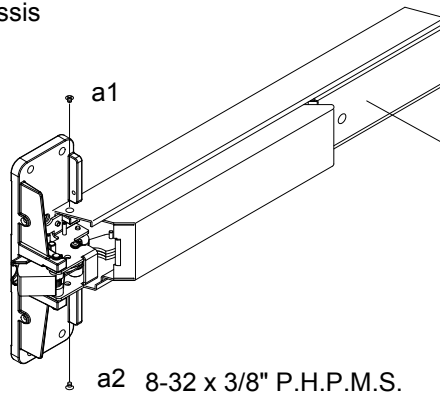
IMPORTANT

NOTE: Use caution when cutting touchbar to size on units with "ES", "MS", "BPA", "BPAR", "LM" or "DWA" options. "DO NOT CUT WIRES."

8 Installation of touch bar to chassis

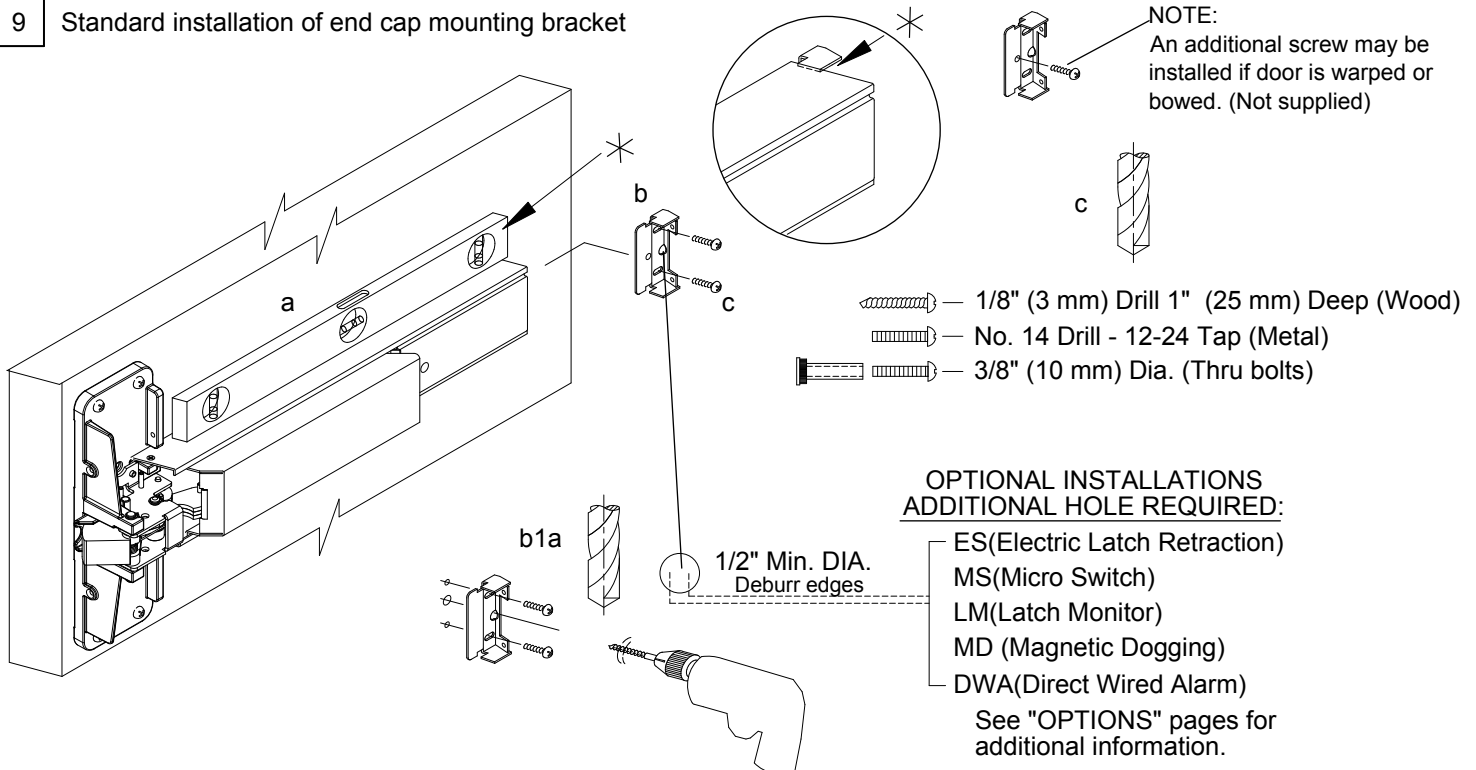
8-32 x 3/8" P.H.P.M.S.

NOTE:
Chassis screws are shipped in chassis assembly.



NOTE:
For optional "Filler" installations see "Options" (pages 8 & 9) at rear.

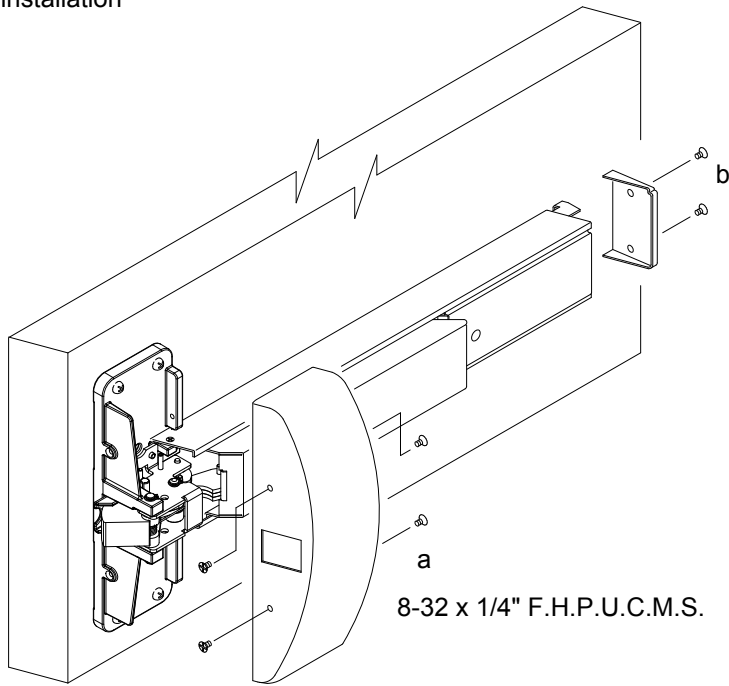
9 Standard installation of end cap mounting bracket



**OPTIONAL INSTALLATIONS
ADDITIONAL HOLE REQUIRED:**

- ES(Electric Latch Retraction)
 - MS(Micro Switch)
 - LM(Latch Monitor)
 - MD (Magnetic Dogging)
 - DWA(Direct Wired Alarm)
- See "OPTIONS" pages for additional information.

10 Cover installation



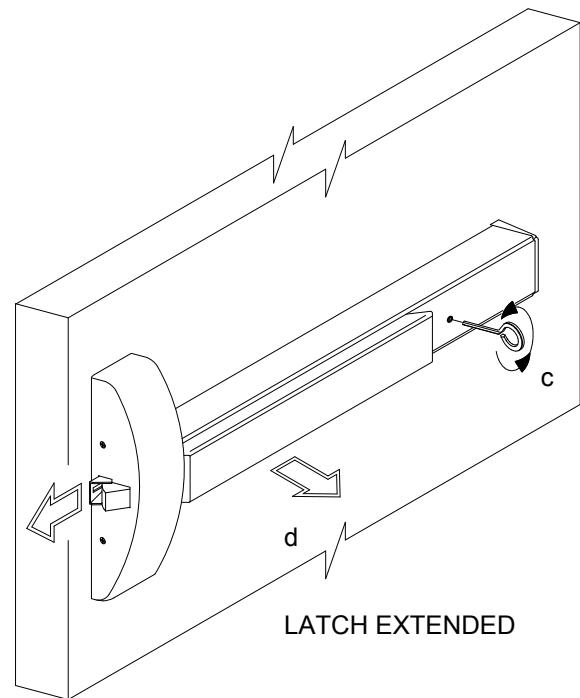
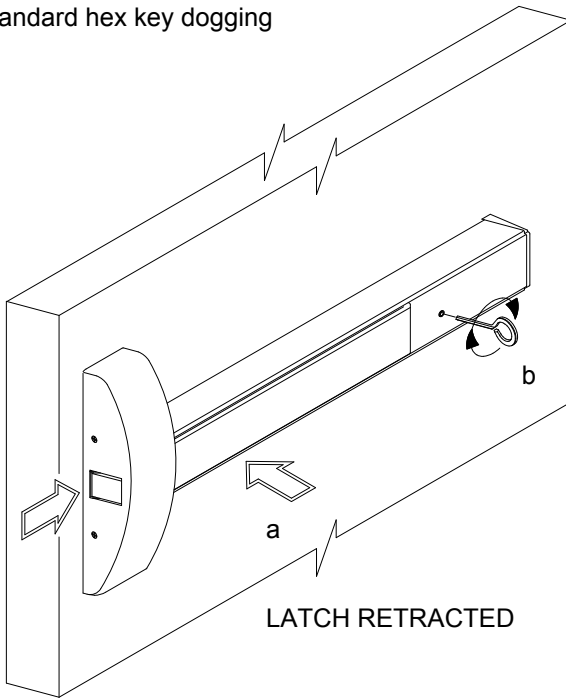
b 8-32 x 1/4" F.H.P.U.C.M.S.

NOTE:

If carton label list: "ES", "BPA", "BPAR", "DWA", "CD", "MS", "LM", "MD" or "LM/MS-BP" prefix, see "Options" (pages 8 & 9) at rear, prior to installing the end cap.

Wire transfer (ES105) preferred on above installations.

11 Standard hex key dogging



General Maintenance Notes:

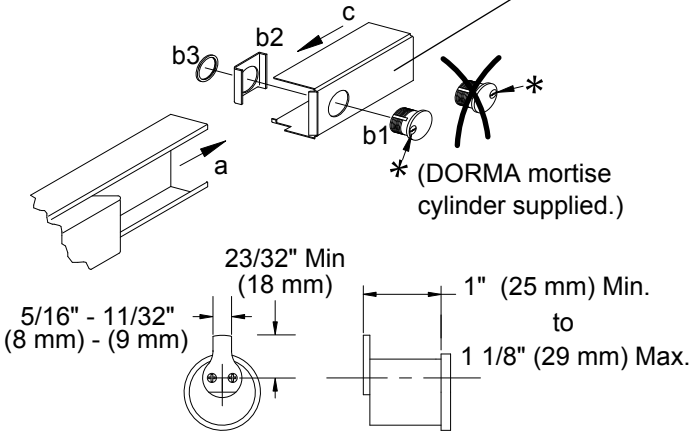
The DORMA 9000 Series Exit Devices are designed to give years of trouble free service, however depending on installation, location, climate conditions etc.; routine maintenance is recommended in all latch bolt locations. The device should be periodically cleaned and re-lubricated to ensure proper function and operation of all moving parts.

OPTIONS

"CD" (CYLINDER DOGGING) OPTION:

Cylinder dogging installation instructions & cylinder specifications.

NOTE: Touch bar must be in dogged down position, to remove the rear filler panel.



Useable Cams

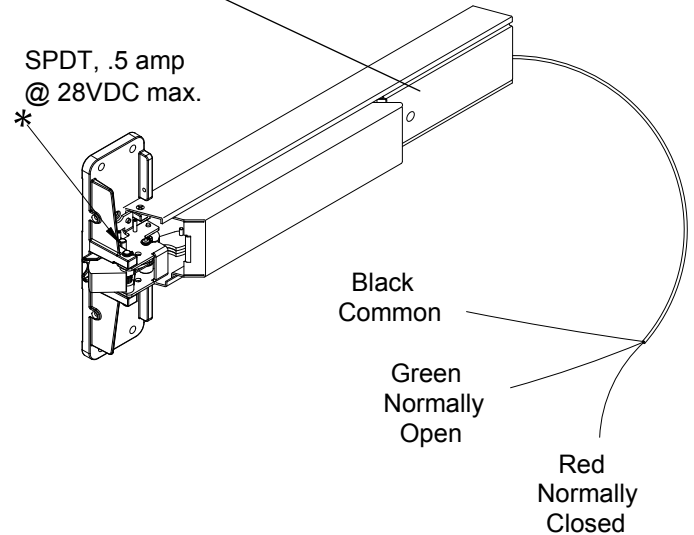
Arrow	001
Assa	Std. (Yale)
Best	C136
Corbin/Ruswin	A02
DORMA	10
Falcon	12667-3
Ilco/Unican	SC1
Lori	SC1 4200-82-2002 Std.
Sargent	13-0664 or 13-0660
Schlage	001
Yale	2160

"LM" (LATCH MONITOR) OPTION:

Latch monitor: Monitors movement of latch bolt, with or without depressing of touch bar.
Can be wired normally open or normally closed.

NOTE: Touch bar must be in dogged down position, to remove the rear filler panel.

*NOTE: Use caution when cutting touch bar and rail to length.



"BPA" & "BPAR" (ALARM) OPTION: (STANDARD INSTALLATION)

BPA: Battery powered alarm, sounds continuous or until disarmed.

BPAR: Battery powered alarm, sounds for 4 minutes, automatically resets.

"Alarm mode set at factory."

SIZE A:

Will fit 48" (1219 mm) door opening without cutting.
Can be cut to fit a 39" (991 mm) minimum door opening.

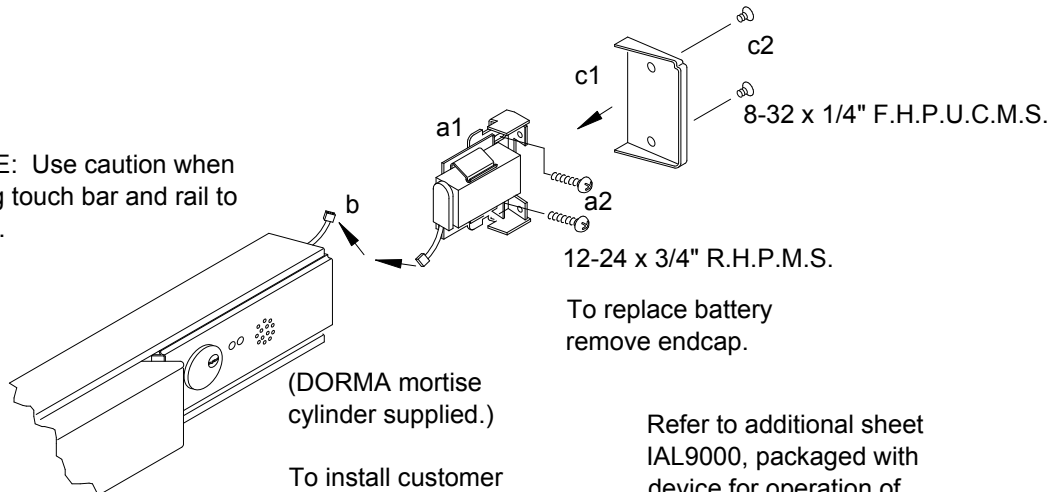
SIZE B:

Will fit 36" (914 mm) door opening without cutting.
Can be cut to fit a 33" (838 mm) minimum door opening.

SIZE C:

Will fit 36" (914 mm) door opening without cutting.
Can be cut to fit a 30" (762 mm) minimum door opening.

*NOTE: Use caution when cutting touch bar and rail to length.



(DORMA mortise cylinder supplied.)

To install customer supplied cylinder, see cylinder dogging option at top of page.

To replace battery remove endcap.

Refer to additional sheet IAL9000, packaged with device for operation of alarmed exit device.

OPTIONS

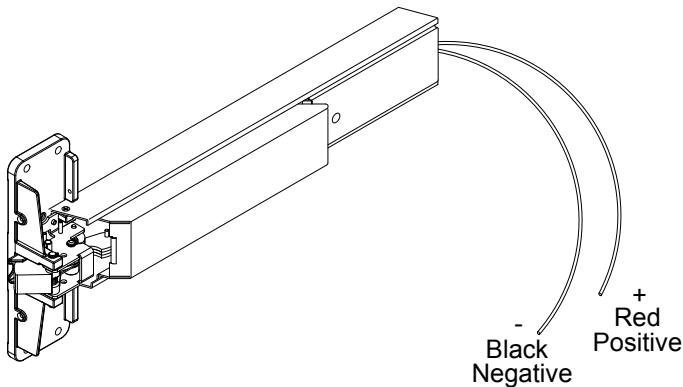
"ES" (ELECTRIC LATCH RETRACTION) OPTION:

Electrically retracts latchbolt(s)
when energized by power supply.

**REQUIRES DORMA PS-501 POWER SUPPLY,
WILL NOT OPERATE FROM OTHER
MANUFACTURES POWER SUPPLIES.**

PS-501 Will operate (2) "ES" 9300 exit
devices. By adding a second "ES2" logic card,
(2) additional "ES" 9300 exit devices may be
used.

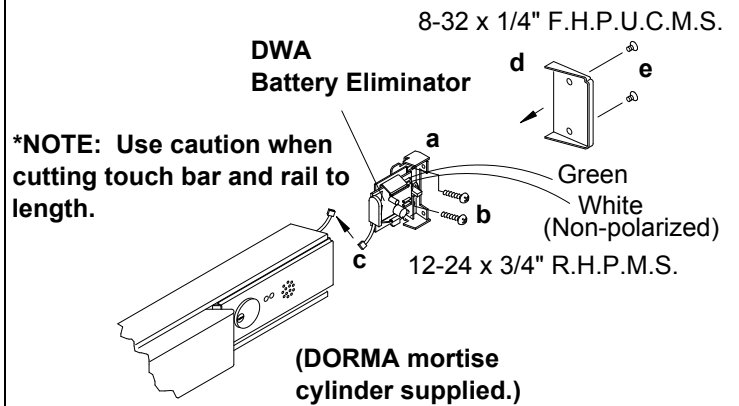
***NOTE: Use caution when
cutting touch bar and rail to
length.**



"DWA" (DIRECT WIRED ALARM) OPTION:

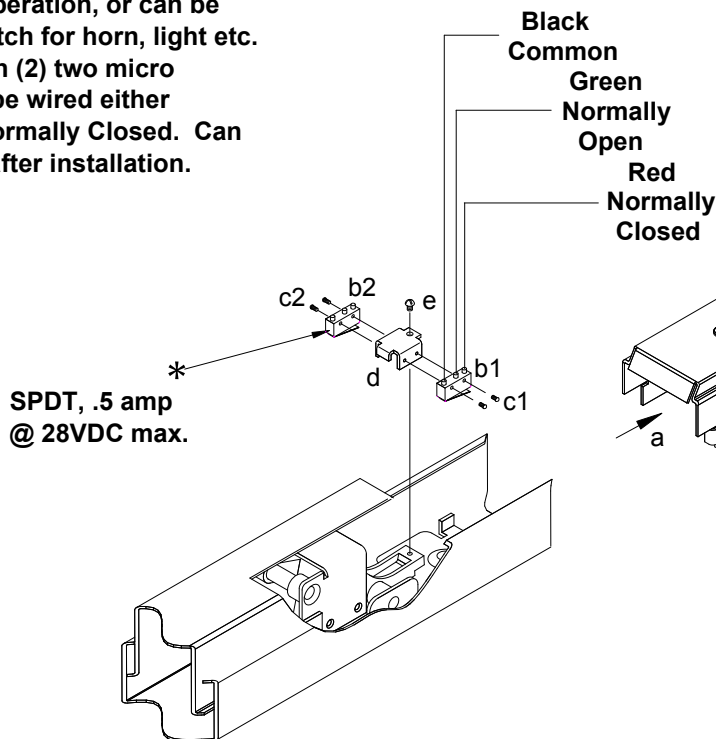
Connected to outside power source.
12-24 Volt AC/DC Power Supply.
i.e. DORMA ES100
Contact DORMA for other power
supplies available.

Refer to additional sheet
IAL900, packaged with
device for operation of
alarmed exit device.



"MS" (MICRO SWITCH) OPTION:

"MS" option allows monitoring of touch
bar during normal operation, or can be
used as a signal switch for horn, light etc.
Comes standard with (2) two micro
switches. Both can be wired either
Normally Open or Normally Closed. Can
be added to device after installation.



OPTIONS

"MD" (MAGNETIC DOGGING) OPTION:

Electrically dogs touch bar when energized by power supply, then depressed. Releases upon interruption of power.

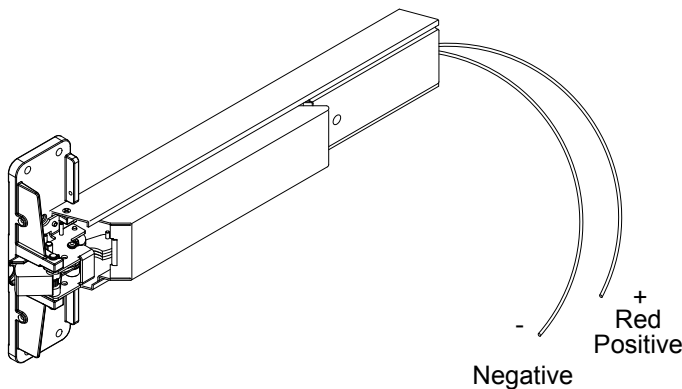
.25 AMP CURRENT DRAW @ 24VDC

REQUIRES DORMA PS-545 POWER SUPPLY CAPABLE OF POWERING 1 - 4 "MD" DEVICES. THE USE OF A POWER TRANSFER (ie ES105) OR AN ELECTRIC HINGE IS RECOMMENDED.

FITS "STANDARD" TOUCH BAR AND RAIL ASSEMBLIES ON BOTH THE 5000 AND 9000 SERIES EXIT DEVICES. NOT AVAILABLE ON DEVICES SUCH AS "ES", "DE", "AL" ETC.

***NOTE: Use caution when cutting touch bar and rail to length.**

MAXIMUM HOLDING FORCE 40# - 60#. IMMEDIATE RELEASE UPON REMOVAL OF POWER.



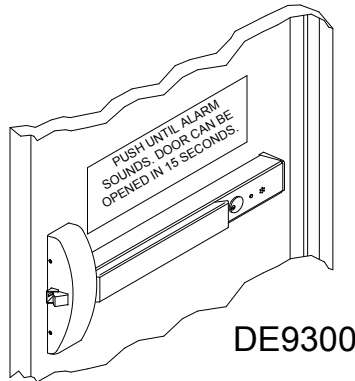
Maximum Wire Length From Power Supply To Device In Feet x Wire Gage/Size *				
WIRE FEET	18AWG	16AWG	14AWG	12AWG
	25	50	75	100

* For wiring to electric hinge or power transfer.

Note: Wire run is from supply to device and back to the supply.

"DE" (DELAYED EGRESS) OPTION:

Note: Refer to 9000 Series Installation Instructions for templating and installation of device. These are additional instructions for installation and operation of the "Delayed Egress" unit.



NOTE: Some CA Codes may require different verbage; check local code requirements prior to installing decal.

85 decibel Alarm - Standard

LED Status Indicator - Standard

Nuisance Alarm - Standard

Key Switch Control - Standard

Remote Authorized Egress - Standard

Remote Re-arm - Standard

Remote Bypass - Standard

Door Position Input - Standard

REQUIRES DORMA ES-100 24 VDC POWER SUPPLY.

Easily accessible slide in and out electronics.
Meets UL & ANSI/BHMA requirements.

SIZE A:

Will fit 48" (1219 mm) door opening without cutting.

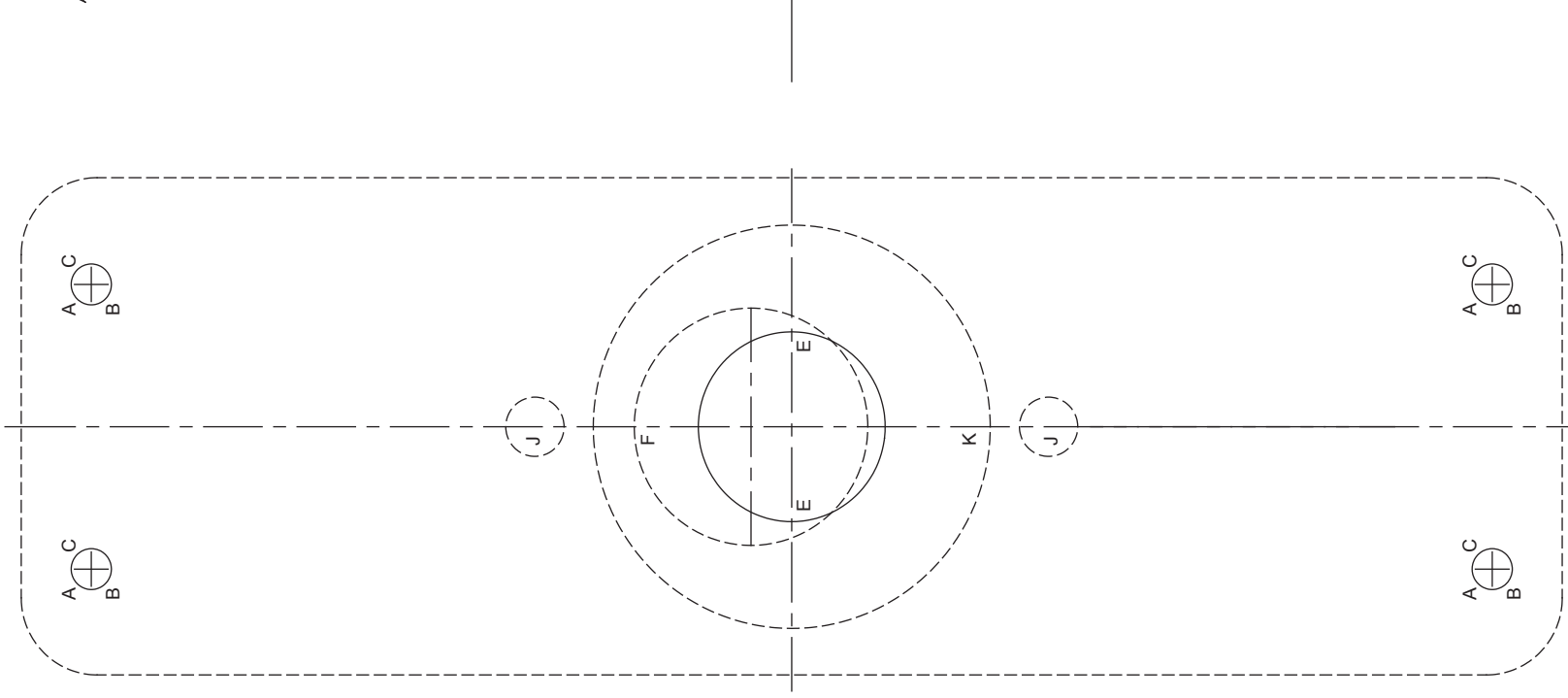
Can be cut to fit a 40 1/2" (1029 mm) minimum door opening.

SIZE B:

Will fit 36" (914 mm) door opening without cutting.

Can be cut to fit a 34 1/2" (876 mm) minimum door opening.

INSIDE DOOR PREP
(VERTICAL REFERENCE)



DRILL CHART

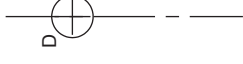


- A 1/8" (3 mm) DIA. DRILL 1" (25 mm) DEEP
- B NO. 14 DRILL 12-24 TAP
- C 3/8" (10 mm) DIA. THRU

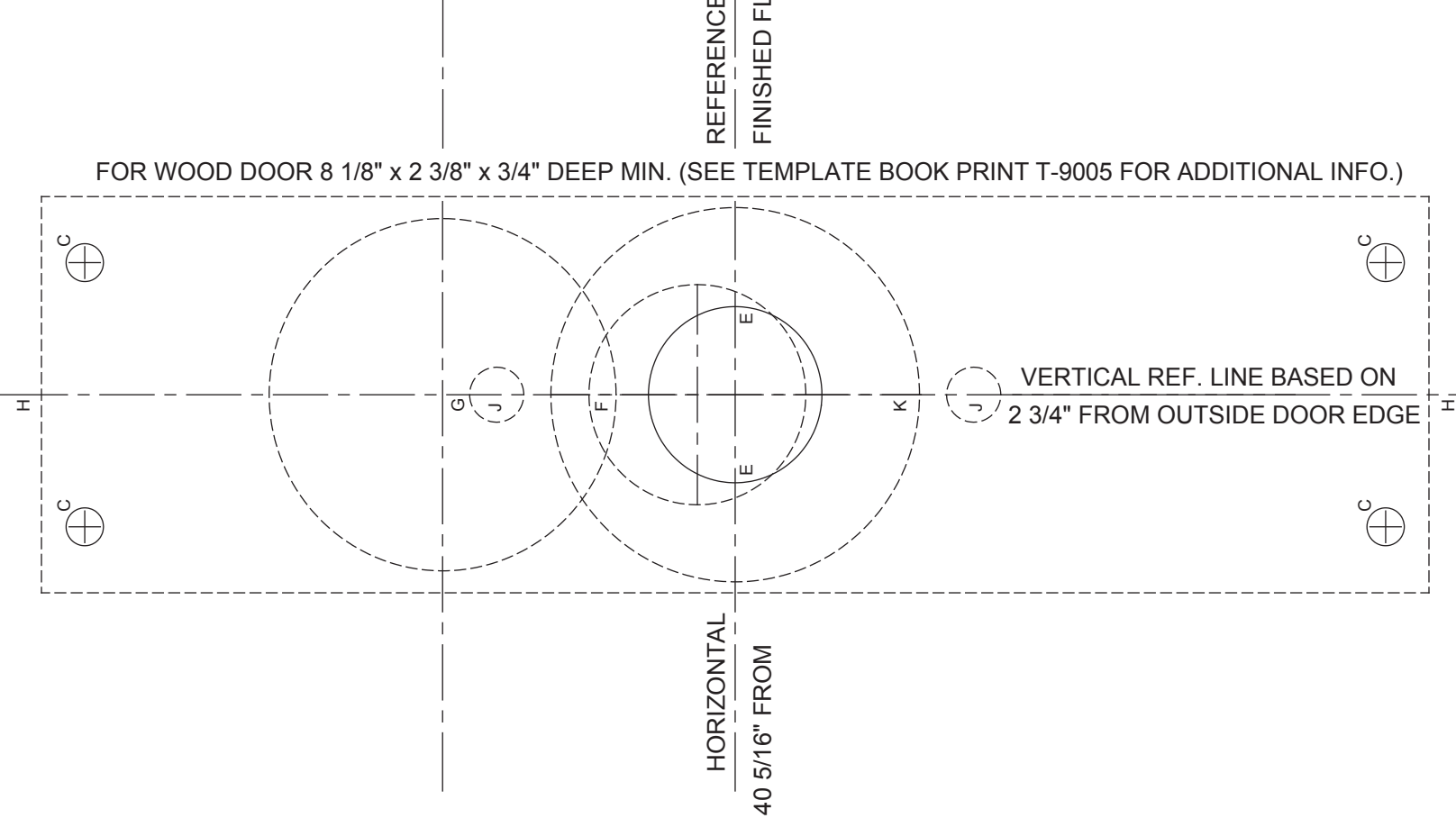
- C 3/8" (10 mm) DIA. THRU
- E 1" (25.4 mm) DIA. THRU FOR "08" FUNCTION
- F 1 1/4" (32 mm) DIA. THRU FOR "03" FUNCTION

- C 3/8" (10 mm) DIA. THRU
- E 1" (25.4 mm) DIA. THRU FOR "05" FUNCTION
- F 1 1/4" (32 mm) DIA. THRU FOR "03" FUNCTION
- D 1/2" (13 mm) DIA. THRU

- J 5/16" (8mm) DIA. THRU DOOR - C08, R08 & K08
- K 2 1/8" (54mm) DIA. THRU DOOR - C08, R08 & K08
- B NO. 14 DRILL 12-24 TAP



OUTSIDE DOOR PREP
(VERTICAL REFERENCE)



DRILL CHART

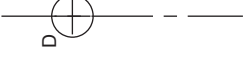


- C 3/8" (10 mm) DIA. THRU

- C 3/8" (10 mm) DIA. THRU
- G 2 1/8" - 2 1/4" DIA. OUTSIDE FACE "08" FUNCTION
- E 1" (25.4 mm) DIA. THRU FOR "08" FUNCTION
- F 1 1/4" (32 mm) DIA. THRU FOR "03" FUNCTION

- C 3/8" (10 mm) DIA. THRU
- F 1 1/4" (32 mm) DIA. THRU FOR "03" FUNCTION
- H 2 1/4" (57 mm) x 8" (203 mm) CUTOUT OUT-SIDE FACE ONLY FOR "05" & "22" FUNCTION
- D 1/2" (13 mm) DIA. THRU

- J 5/16" (8mm) DIA. THRU DOOR - C08, R08 & K08
- K 2 1/8" (54mm) DIA. THRU DOOR - C08, R08 & K08



FOR WOOD DOOR 8 1/8" x 2 3/8" x 3/4" DEEP MIN. (SEE TEMPLATE BOOK PRINT T-9005 FOR ADDITIONAL INFO.)

REFERENCE
FINISHED FLOOR

HORIZONTAL
40 5/16" FROM

VERTICAL REF. LINE BASED ON
2 3/4" FROM OUTSIDE DOOR EDGE

