INSTRUCTIONS FOR INSTALLING 8300/F8300 SERIES RIM EXIT DEVICES

DORMA

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

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

SIZE C:
Will fit 36" (914 mm) door opening without cutting.
Can be cut to fit a 22" (557 mm) door opening.

STEP 1

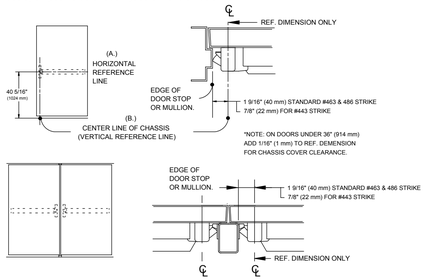
NOTE: SURFACE OF DOOR WHERE EXIT DEVICE IS TO BE INSTALLED MUST BE FLAT. PROPER RE-INFORCEMENT OF DOOR IS ALSO REQUIRED.

NOTE:
BEFORE STARTING INSTALLATION:

1. DOOR SHOULD BE FITTED AND HUNG.
2. MULLION INSTALLED IF USED.
3. VERIFY DOOR WIDTH WITH BOX LABEL FOR CORRECT LENGTH.

A. Measure and mark horizontal reference line on push side of door. (40 5/16" (1024 mm) from finished floor, recommended.)

B. Measure and mark the vertical reference line (center line of chassis) on push side of door. (See dimension below.)

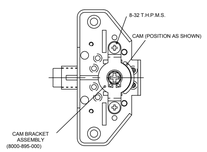


STEP 2

For Exit Only device with no outside trim function. Remove (2) Phillips Head screws. Then remove cam bracket assembly. No additional prep required except for mounting holes. (See Spotting Template.) Proceed to STEP 3.

On device using outside trim with rim cylinder, tailpiece must be trimmed 1/8" (3 mm) to 3/16" (5 mm) less than inside face of door.

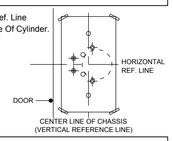
On device using outside lever trim, see additional instructions packaged in trim carton.



STEP 3

Refer to carton label for model and trim numbers before drilling. Prepare door by using the template enclosed, (tape to door). Horizontal center line and center line of chassis (vertical reference) on template MUST be on horizontal and vertical reference line on door.

Note: Vertical Ref. Line
Is Not Centerline Of Cylinder.

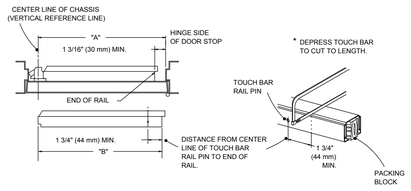


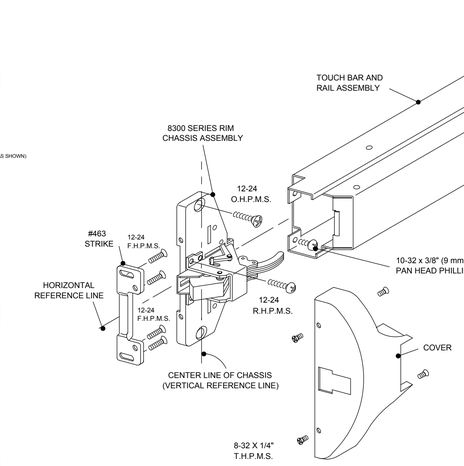
STEP 4

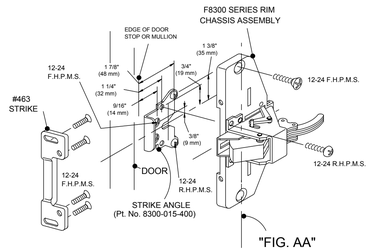
Verify door width.

A. If no cutting is required; proceed to Step 5.

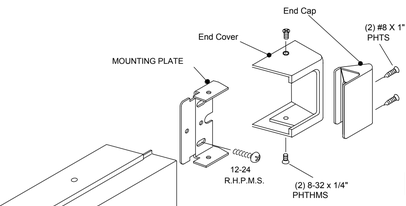
B. If cutting is required: Determine length by measuring "A" (hinge side door stop to center of chassis), then subtract 2" (51 mm) to determine "B" (length of touch bar and rail dim.) Mark length on RAIL, (Cut with touch bar depressed, packing block rotated on edge), then remove packing block and any burrs.



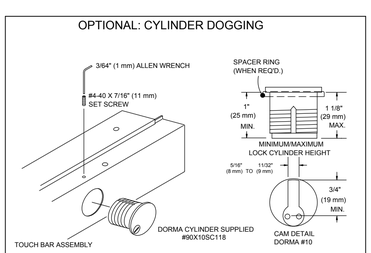




"FIG. AA"



OPTIONAL: CYLINDER DOGGING



INSTALLATION OF OPTIONAL CYLINDERS

1. Thread mortise cylinder into touch bar assembly. (See above.)
2. Snug (1) #4-40 x 7/16" set screw with allen wrench. (DO NOT OVER TIGHTEN.)
3. Depress touch bar and turn key clockwise to dog and counter clockwise to release.

NOTE: Cylinder must be installed with top of cylinder away from chassis. (See above.)

STEP 5

When installing F8300 Series device on fire doors, install strike angle (Pt. N0. 8300-015-400) per "FIG. AA", using spotting template T8300.

Install strike angle using (2) 12-24 F.H.P.M.S. and (2) 12-24 R.H.P.M.S. to door per drawing.

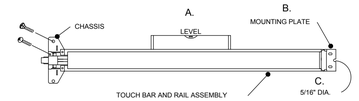
Install chassis using (2) 12-24 R.H.P.M.S. and (2) 12-24 F.H.P.M.S. to door per drawing.

STEP 6

Install chassis to touch bar; Install exit device and any trim using screws as noted on the spotting template.

A. Level touch bar/chassis assembly on door, hold mounting plate against touch bar, mark (2) holes and drill.

No. 25 drill 1" (25 mm) deep for wood doors.
No. 14 drill 12-24 tap for metal doors.
3/8" (10 mm) DIA. Drill thru door for sex bolts.



B. Fasten mounting plate (against rail) to door with (2) round head phillips screws.

C. For electronic options; drill addtional 5/16" (8 mm) DIA. hole per detail above.

STEP 7

A. Install cover(s) using (4) 8-32 x 1/4" (6 mm) T.H.P.M.S.

B. Install end cap using (2) 8-32 x 1" (25 mm) P.H.F.H.T.S.

C. Install end cover using (2) 8-32 x 1/4" (6 mm) T.H.P.M.S.

STEP 8

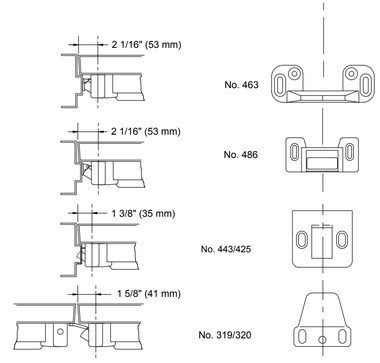
Install strike and adjust if necessary. Center line of strike must line up with horizontal reference line on door. Refer to carton label for strike number.

A. For Strikes: 486, & 443

Wood Jamb: No. 31 Drill-3/4" (19 mm) deep
Metal Jamb: No. 21 Drill-Tap 10-32

B. For Strikes: 463, 319 or 320

Wood Jamb: No. 25 Drill-1" (25 mm) deep
Metal Jamb: No. 14 Drill-Tap 12-24



NOTE: Backset of device shown for 5/8" (16 mm) height stop.