

# 4500 SVR DEVICE DOOR PREP TEMPLATE APPLICATION FOR METAL AND WOOD DOORS (FOR PANIC AND FIRE RATED DEVICES)

## NOTES:

- LHR door shown. Preparation is typical for both door hands.
- Minimum Stile width:
  - 4 7/8" for double doors.
  - 5 3/8" for single doors with standard 5/8" stop.
  - 5 3/4" for double doors with 2" mullion.
- Prepare mounting holes when installing the device.
- Provide door stiffeners as needed to prevent door collapse due to installation with power tools, door use, or abuse.
- Provide frame stiffeners as needed for top strike. Unreinforced frames require blind rivet nuts (by others) to mount the strike.
- Dimension from door face.
- Device mount (end cap bracket) to hinge stile (not shown) requires hole location and preparation during device installation.
- For outside trim preparation see appropriate trim template.
- Recommended height may be determined by design spec's.
- Screw sizes and installation detail (see letters "A" thru "D" on the drawing to identify the hole and hole location):
  - Device mounting holes (4 places):
    - Metal door: 1/4"-20 Tap (std.).
    - Wood door (solid core): Pre-drill  $\phi$  1/8" holes.
    - SNB:  $\phi$  5/16" inside door face,  $\phi$  3/8" outside door face.
    - Trim:  $\phi$  5/16" inside door face,  $\phi$  1/2" outside door face.
    - Check building and fire codes to see if your application requires the use of SNB (sleeve nuts and bolts).
  - Rod guide mounting holes (4 places):
    - Metal door: #8-32 Tap (std.).
    - Wood door (solid core): Pre-drill  $\phi$  1/8" holes.
  - A  $\phi$  1/2" thru-hole is required if using the electric trim (45ET).
  - Trim Tailpiece hole:
    - For BE and CE trim:  $\phi$  5/8" (thru hole)
    - Dummy trim: not required
    - Night Latch trim: See template T-ED00344 for details.
- This hole MUST be field located using physical part as template, after installation is complete and device is fully operational.
- Strike mounting holes (2 places):
  - Metal door: 1/4"-20 Tap (std.).
  - Wood door: Pre-drill  $\phi$  1/8" holes.
- Reference ANSI/SDI A250.8 for door and frame clearances:
  - Maximum of 1/8" is typical for single swing and pairs of doors.
  - The meeting edges of pairs of doors:
    - Standard is  $3/16" \pm 1/16"$ .
    - Fire rated pair is  $1/8" \pm 1/16"$ .
  - Consult design spec's before preparing doors.
- 5/8" typical for hollow metal frames, 1/2" typical for wood frames. Consult design spec's before preparing doors.
- Minimum stop width is 1-3/8" for proper top strike installation.
- Hole location measured from finished floor or top of threshold.

