

4700 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" for double doors.
 - 4 1/2" for single doors with standard 5/8" stop.
- 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 "C" 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 \varnothing 1/8" holes.
 - SNB: \varnothing 5/16" inside door face, \varnothing 3/8" outside door face.
 - Trim: \varnothing 5/16" inside door face, \varnothing 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 (2 places):
 - Metal door: #8-32 Tap (std.).
 - Wood door (solid core): Pre-drill \varnothing 1/8" holes.
 - Trim Tailpiece hole:
 - For BE, CE, & NL trim: \varnothing 1/2" (thru hole)
 - Dummy trim: not required
- 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 \varnothing 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 2" for proper top strike installation.
- Hole location measured from top of strike, threshold or finished floor. Which ever is the highest point.

