



sargent & greenleaf

# S&G 2890 High Security Door Lock Drilling Templates

## BEFORE YOU BEGIN

The S&G 2890 accommodates right-hand and left-hand, in-swing and out-swing doors. A single model can be used for any of these applications. Be sure to order a unit with the correct strike for your particular application.

The S&G 2890 should only be mounted on a door that is level, plumb, and square in its frame. The door should be equipped with a properly functioning closer that closes the door smoothly and completely with no assistance. Correct all door deficiencies before proceeding.

The S&G 2890 is designed for doors between 1-3/8" to 2" thick. A kit is available from Sargent and Greenleaf for thicker doors.

The S&G 2890 is a surface mounted automatic door deadbolt. It has tight mounting tolerances, and is best fitted to doors already installed and properly adjusted in the area where they will be used. Any uncorrected door and/or hardware problems will likely complicate the lock installation and result in unsatisfactory operation.

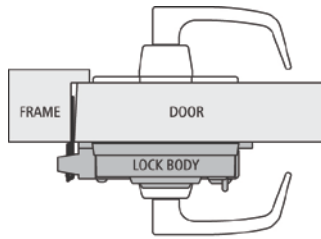
Measure precisely for accurate alignment between inside and outside assembly. Misalignment could cause device malfunction. Some doors, i.e. sound seal, may require special adapters for strike mounting. These should be obtained from the door manufacturer.

## 1 – Strike Mounting

Identify strike mounting for this application.

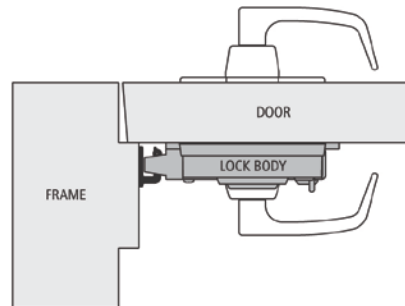
### Strike #1

Product No. 2890-601



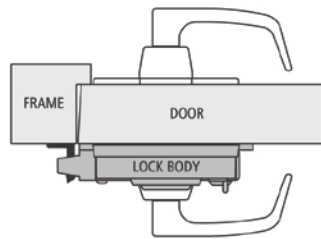
### Strike #2

Product No. 2890-602



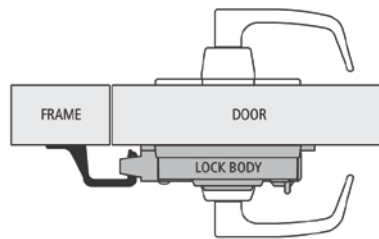
### Strike #3

Product No. 2890-603



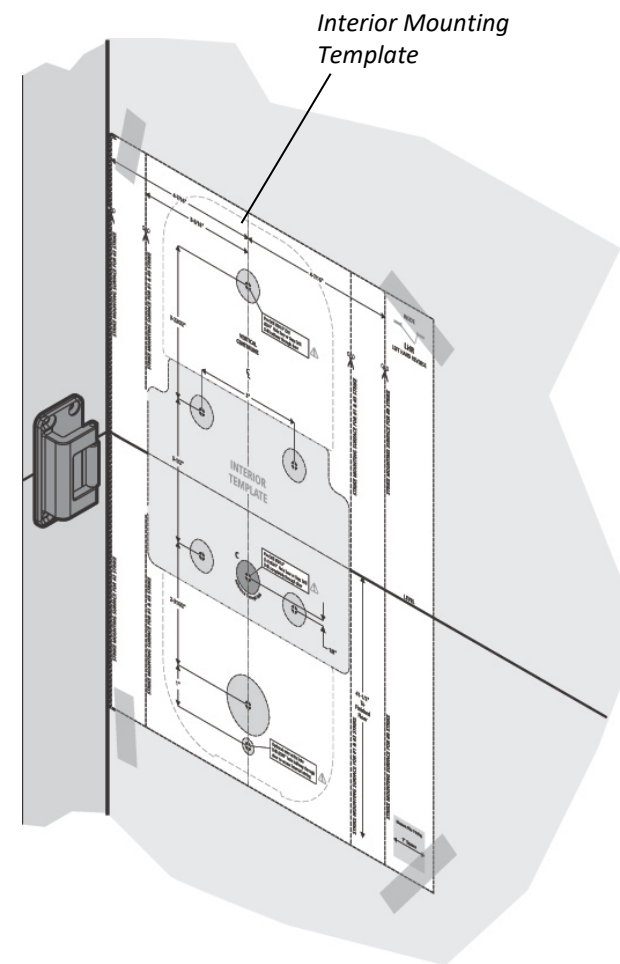
### Strike #9

Product No. 2890-609



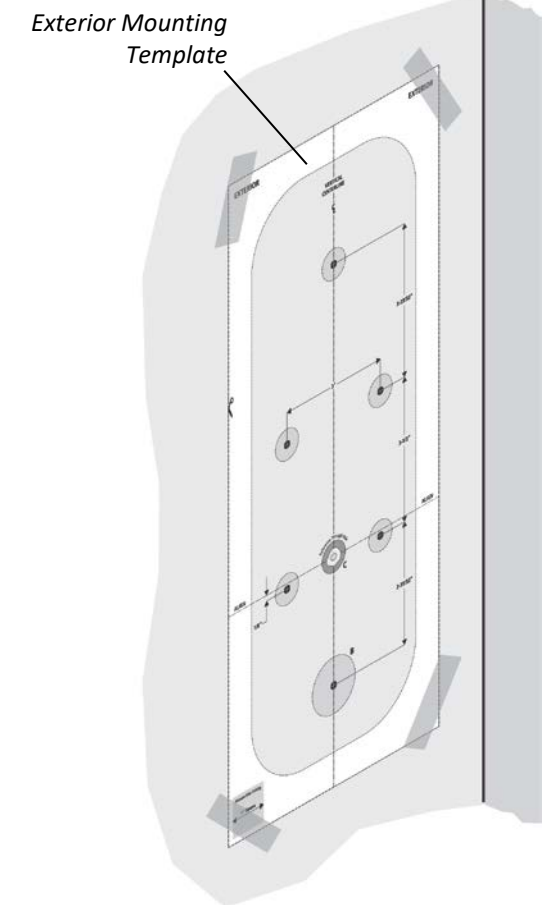
## 2 – Interior Side of Door

- Use the vertical centerline dimension from template to mark door from referenced edge. Measure and mark 41-1/2" from finished floor.
- Align template to vertical and horizontal reference marks on door. Adjust, level, and tape template to door.
- Align center hole of strike to the centerline mark on jamb and verify that it will engage the lock. Make sure that the mounting surface is sturdy. **NOTE: Some doors will require strike brackets to reinforce the mounting surface or to clear door seals.**
- Center punch all holes on template.
- Remove template and pre-drill hole **C** ALL THE WAY through door.
- Pre-drill remaining 3/16" holes HALFWAY through door.



## 3 – Exterior Side of Door

- Punch a hole in exterior template at hole **C**.
- Align hole **C** to the reference through-hole centerlines previously drilled through the door. Tape template to door once properly aligned and leveled.
- Center punch all holes on exterior template.
- Remove template and pre-drill holes HALFWAY through door. **NOTE: These new holes should align with the holes drilled on the opposite side of door.**

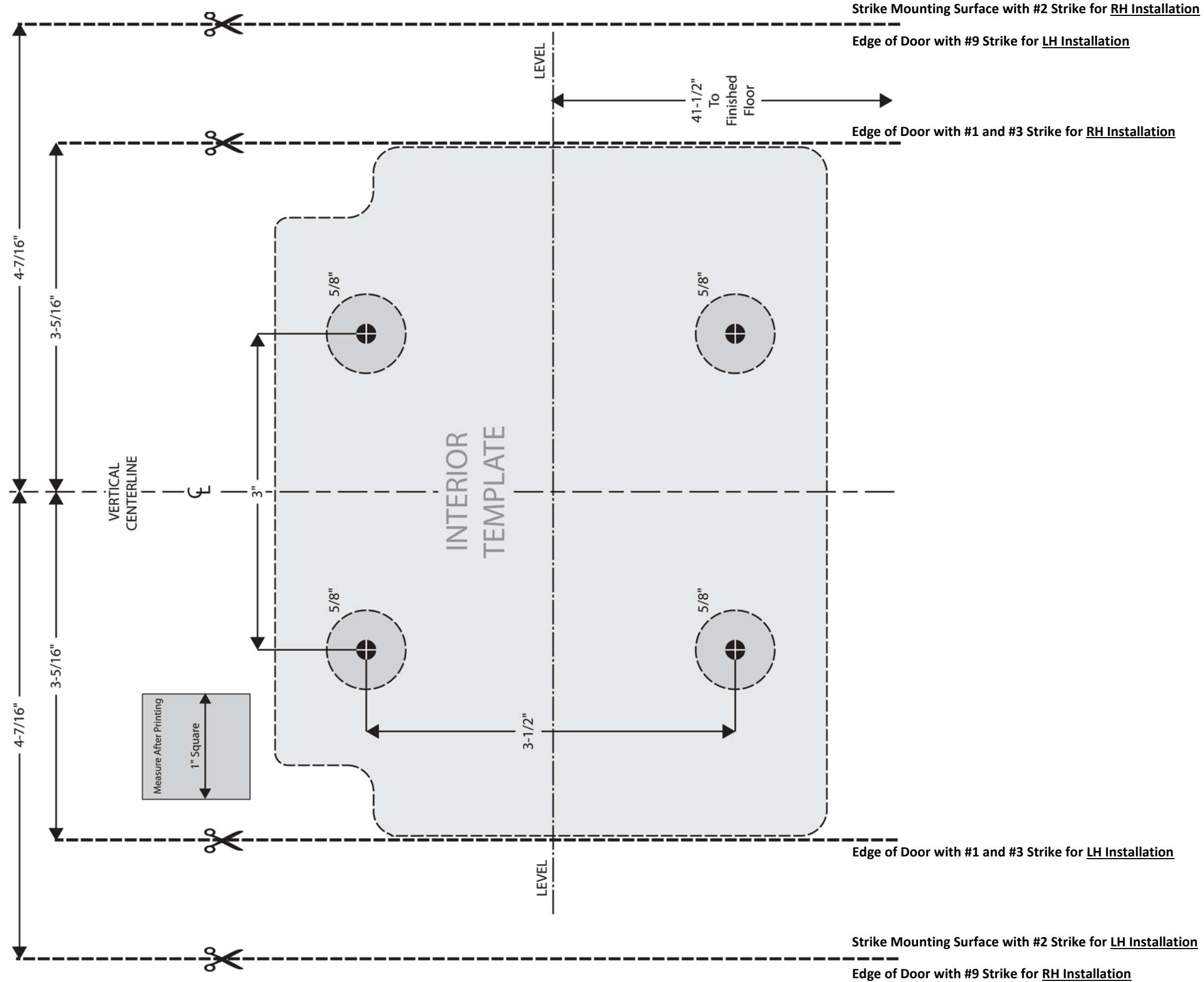


## 4 – Interior Side of Door

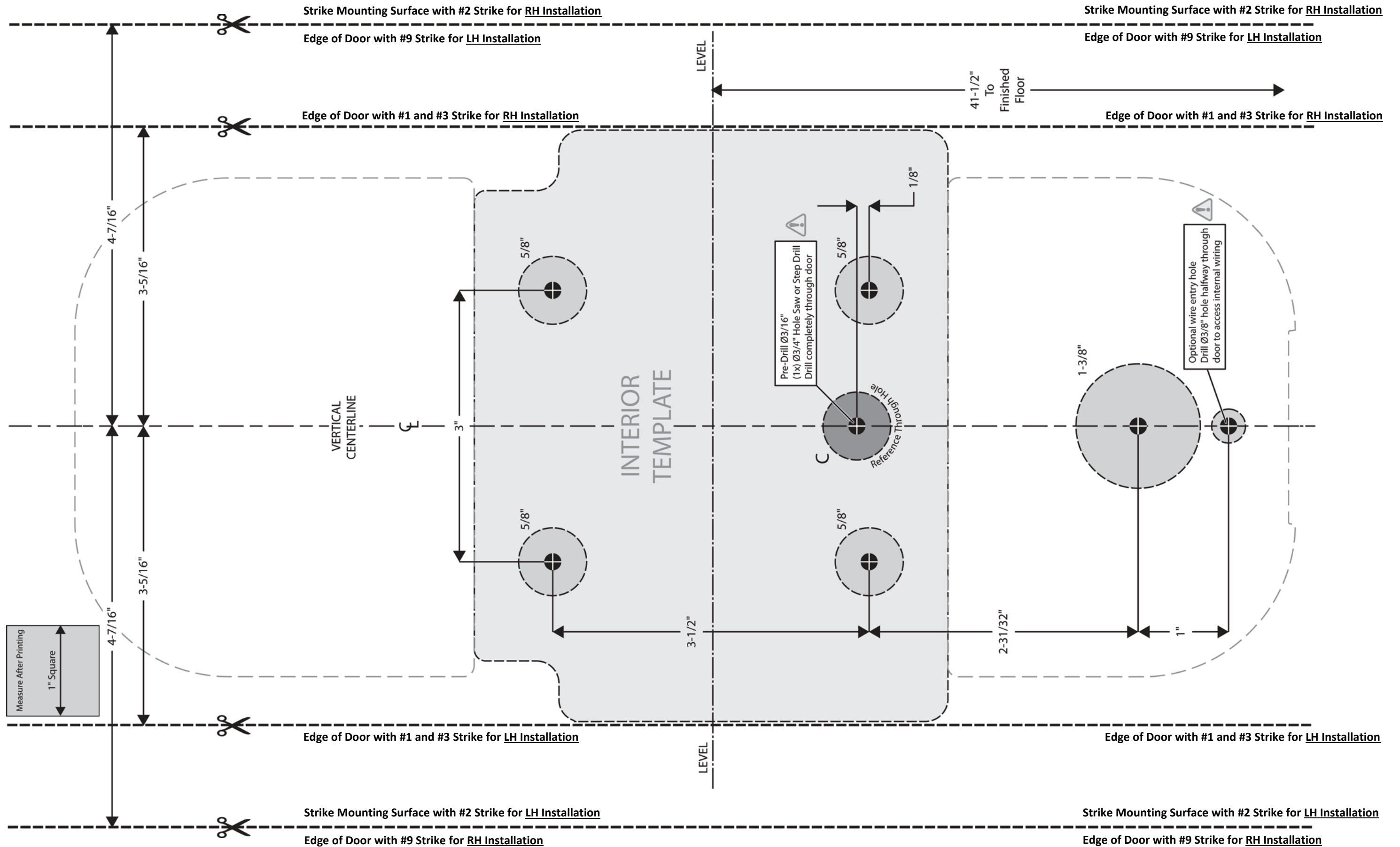
- Drill holes HALFWAY through both interior & exterior of door to size indicated. Drill hole **B** 1-3/8" HALFWAY through both interior & exterior of door. **NOTE: On heavy gauge metal doors, or doors with internal reinforcements, a step drill can be more effective.**
- These new holes should be through-holes when finished drilling and should align with holes drilled from opposite side.



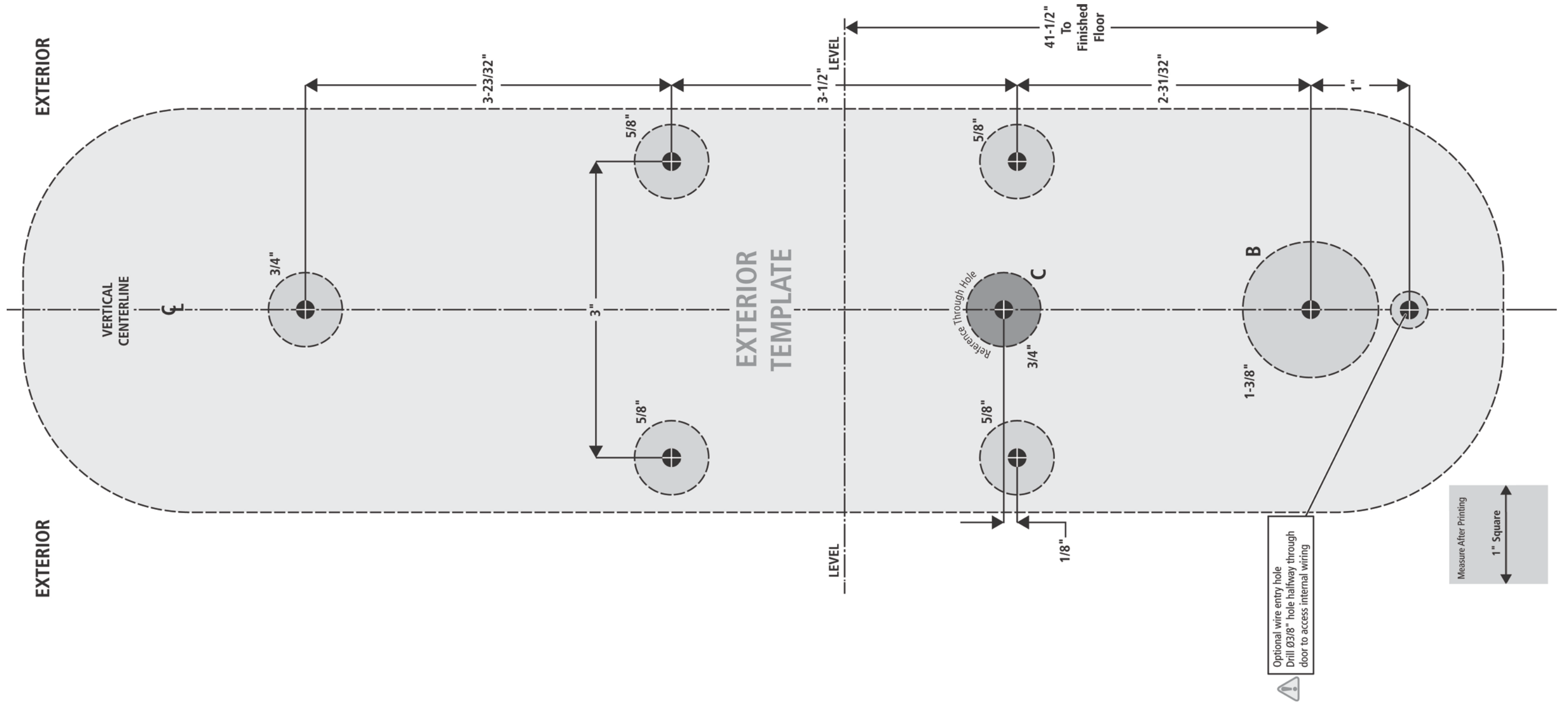
# Interior Mounting Template – Secondary Exit Only



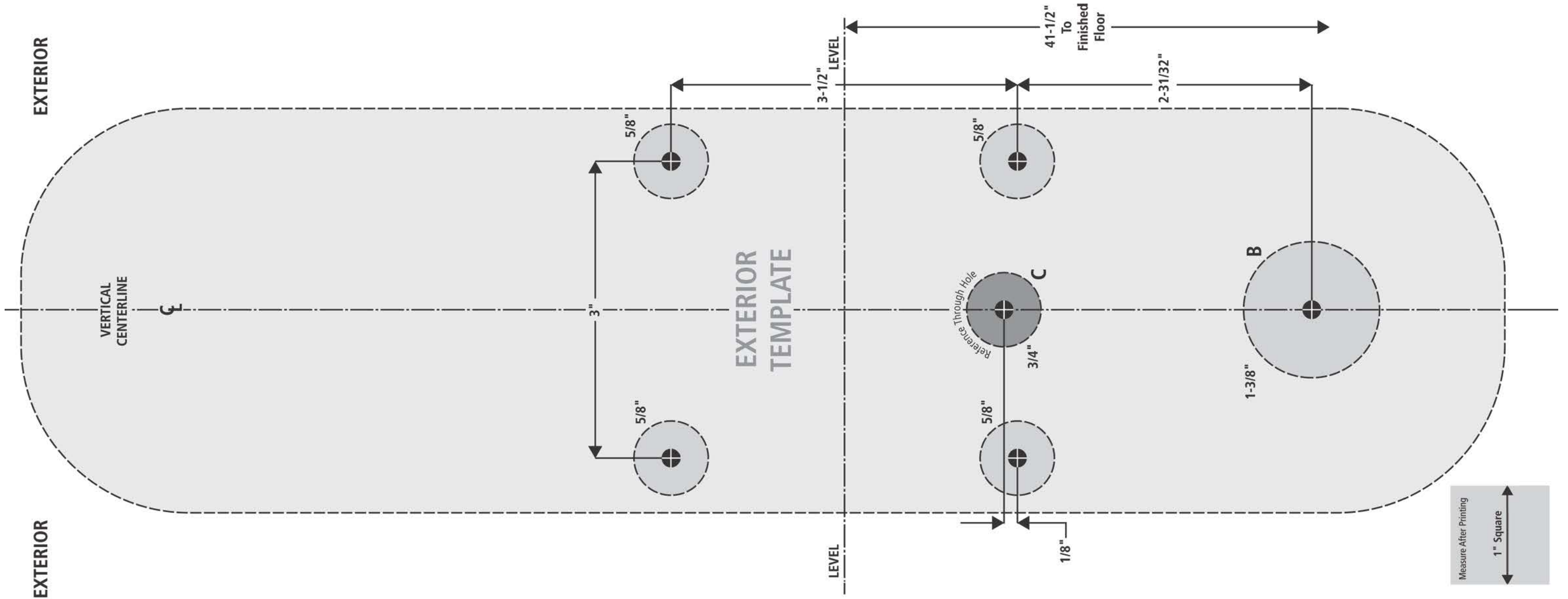
# Interior Mounting Template – Secondary Entrance



# Exterior Mounting Template - Primary Entrance



# Exterior Mounting Template - Secondary Entrance





# Exterior Mounting Template - Secondary Exit Only

