



**Walker® Infloor Systems**

# RFB 119 Series Floor Box INSTALLATION INSTRUCTIONS

Installation Instruction No.: 1 003 189 – August 2003

**Products Covered:** Floor Box Cat. Nos.: RFB9, RFB11,  
Floor Box Covers: RFB119CTC, RFB119BTC  
Floor Box Device Plates: RFB119 (suffix)

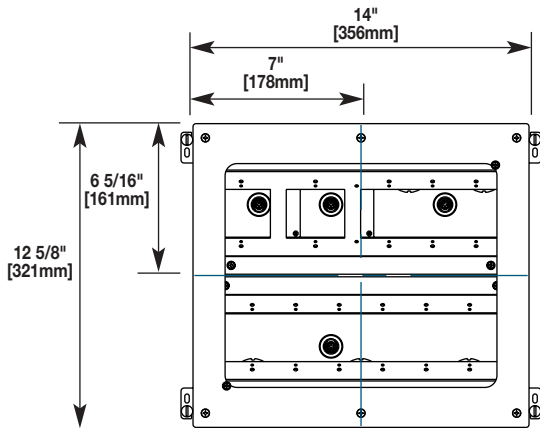
Walker® electrical systems conform to and should be properly grounded in compliance with requirements of the current National Electrical Code or codes administered by local authorities.

All electrical products may present a possible shock or fire hazard if improperly installed or used. Walker electrical products may bear the mark as UL Listed and/or Classified and should be installed in conformance with current local and/or the National Electrical Code.

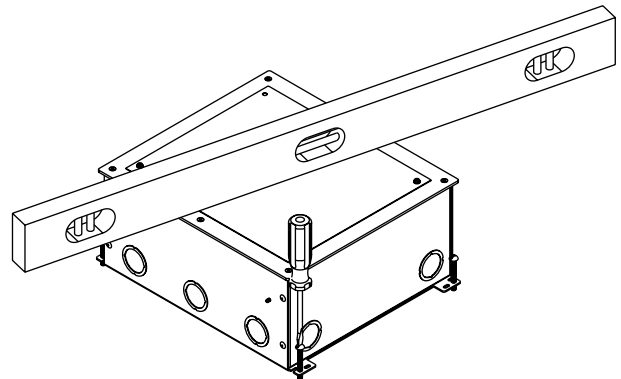
**IMPORTANT: Please read all instructions before beginning.**

**CAUTION: Do not operate tile stripper or resurfacing equipment over top of covers. This may result in damage to the surface finish of the product.**

**Step 1** Locate and position box in accordance to floor plans or blueprint.

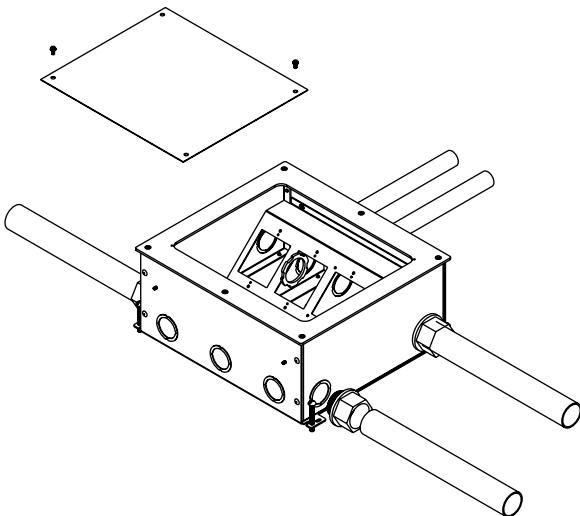


**Step 2** Level & anchor box. Top of box must be flush with concrete pour. Use screws, nails, or wire to prevent box from floating during pour.

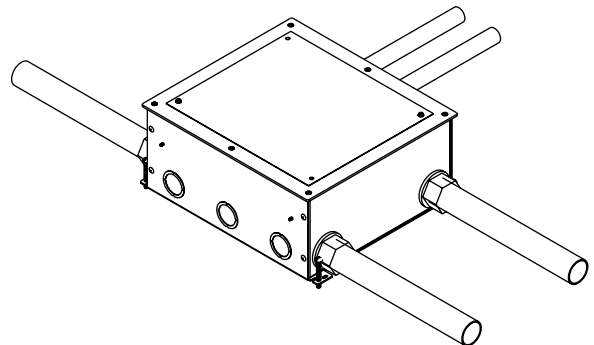


**CAUTION: Box has no post pour adjustment.**

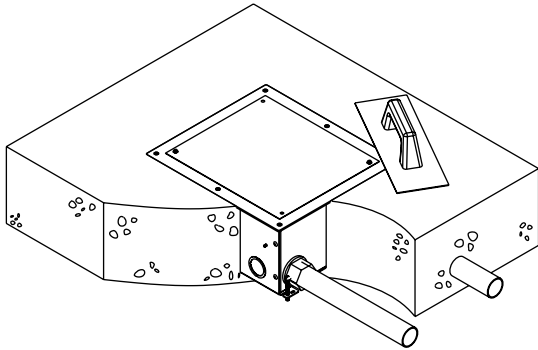
**Step 3** Remove mudcap and attach conduit.



**Step 4** Reinstall mudcap.



**Step 5** Screed to top of box surface. Hand troweling recommended near box edges.

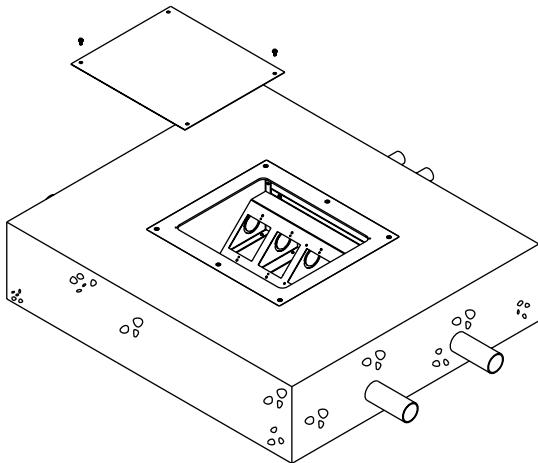


**NOTE:** If box is over-poured or the top plate is below the concrete surface, follow these steps:

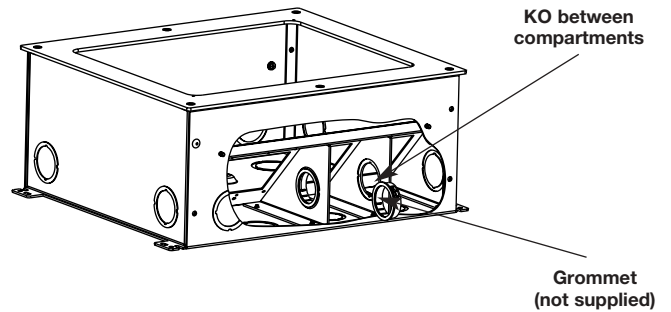
1. Remove and retain mudcap and mudcap mounting screws. If mudcap is bent during removal, flatten within reason.
2. Install one or more 1/8" thick spacers, Cat No. RFB119-TS (available separately), until the top one is flush with the concrete surface. See Step 19 for illustration.
3. Replace mudcap on top of spacers and secure with mounting screws. Duct tape any cracks or seams where concrete may enter.
4. Pour concrete patch around the perimeter of the spacers and level with the concrete floor.
5. Complete installation following the remaining steps.

**CAUTION:** Do not dislodge or shift box with jobsite traffic or concrete vibrations.

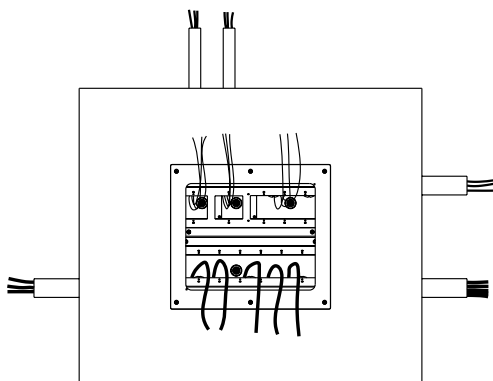
**Step 6** Remove mudcap.



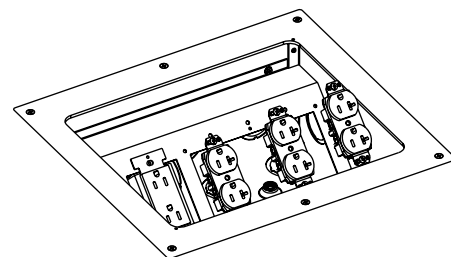
**Step 7** If service access between adjacent compartments is required, remove KO between compartments and add grommet (not supplied by Walker).



**Step 8** Locate and pull wires and cables.

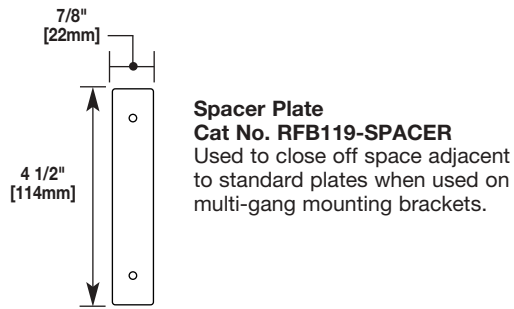


**Step 9** Terminate and mount devices.

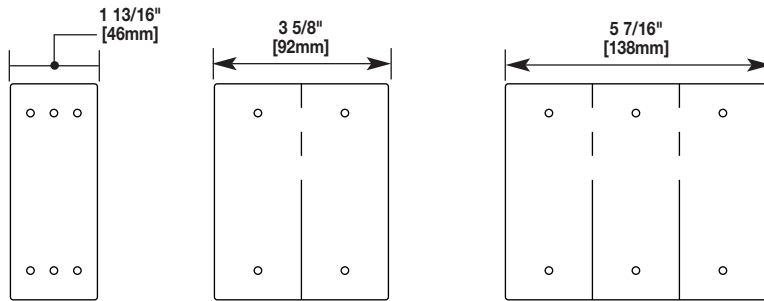


**NOTE:** Wire devices (not supplied by Walker) in accordance with National Electrical Code or any local code that applies. Make sure that any grounding conductors are connected to the grounding screws.

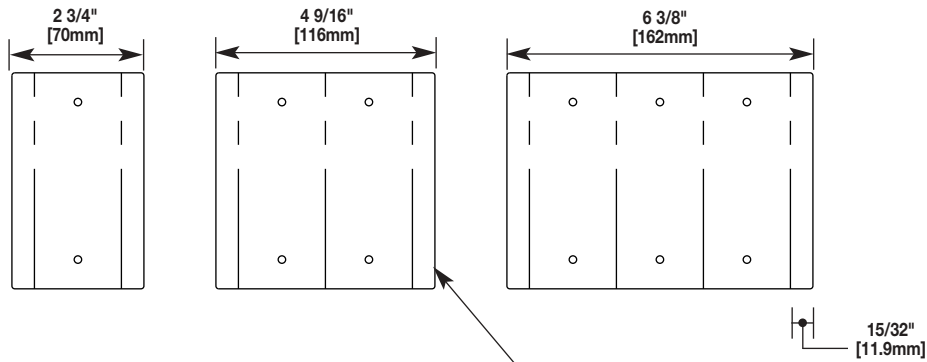
**Step 10** Determine device plate selection based on sizes illustrated below.



**1, 2, and 3 Gang Sectional Plates**



**1, 2, and 3 Gang Standard Plates**

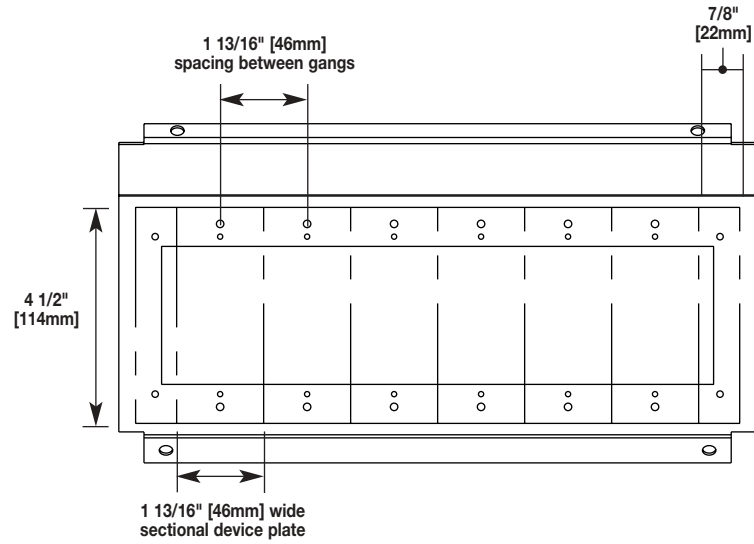


Standard Plates extend 15/32" [11.9mm] on each side wider than sectional plates.

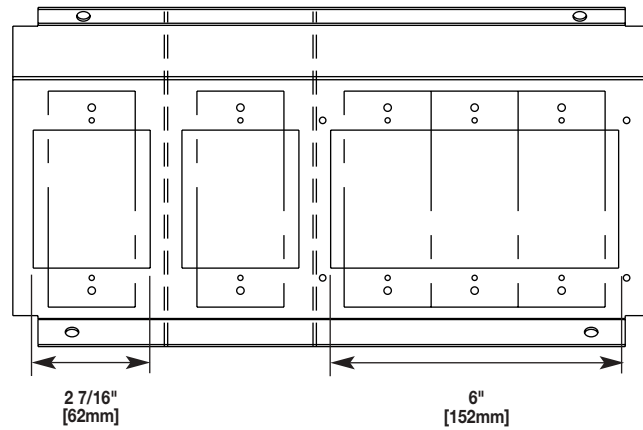
**Step 11** Determine device plate required to close off wiring compartments. Sectional (1-13/16" [46mm] wide) or standard device plates may be used with multi-gang mounting plates.

**NOTE:** Standard width device plates extend into adjacent gangs, preventing the mounting of other device plates. Resulting gap should be closed with a spacer plate or single gang sectional plate.

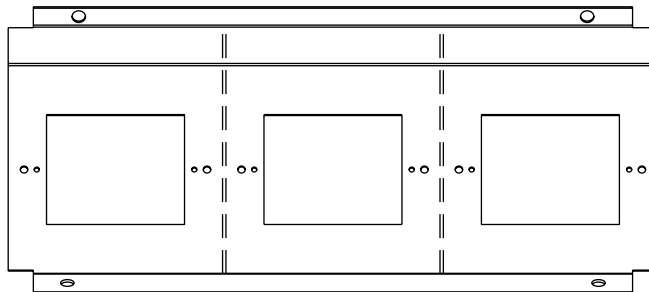
**6-Gang Mounting Bracket**



**3-Gang & (2) Single Gangs (Vertical) Mounting Bracket (RFB11)**

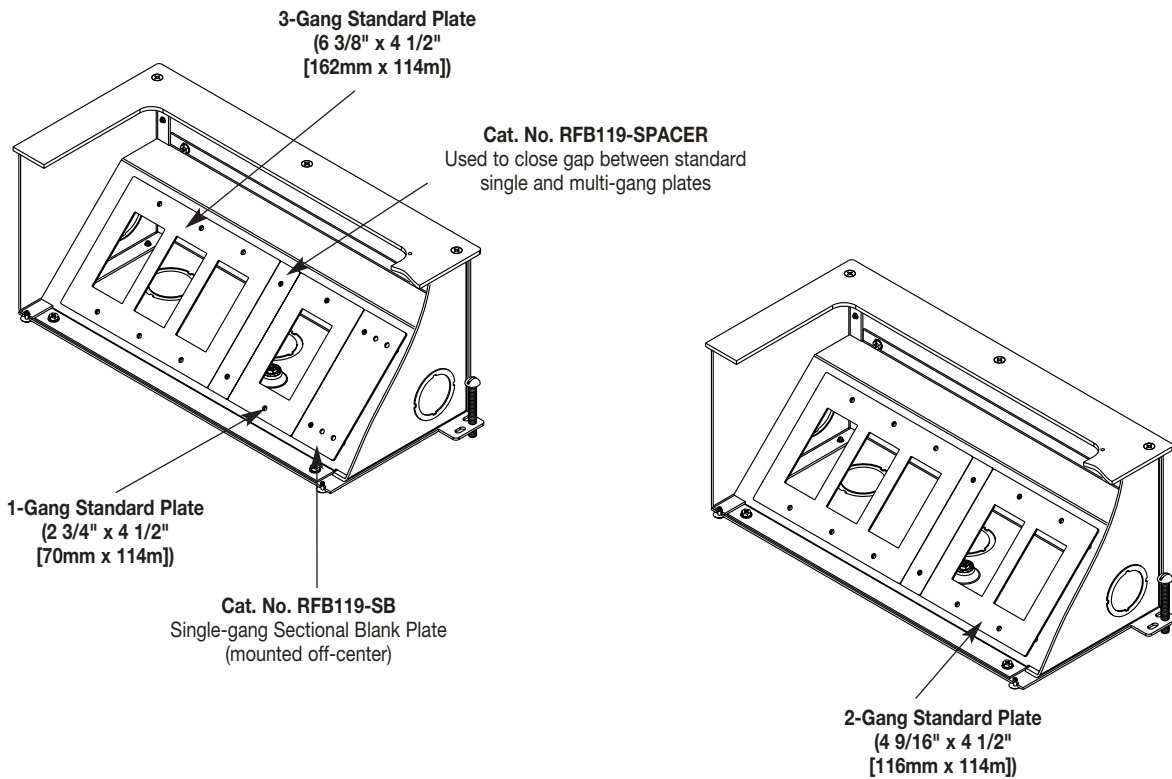


**(3) Single Gangs (Horizontal) Mounting Bracket (RFB9)**

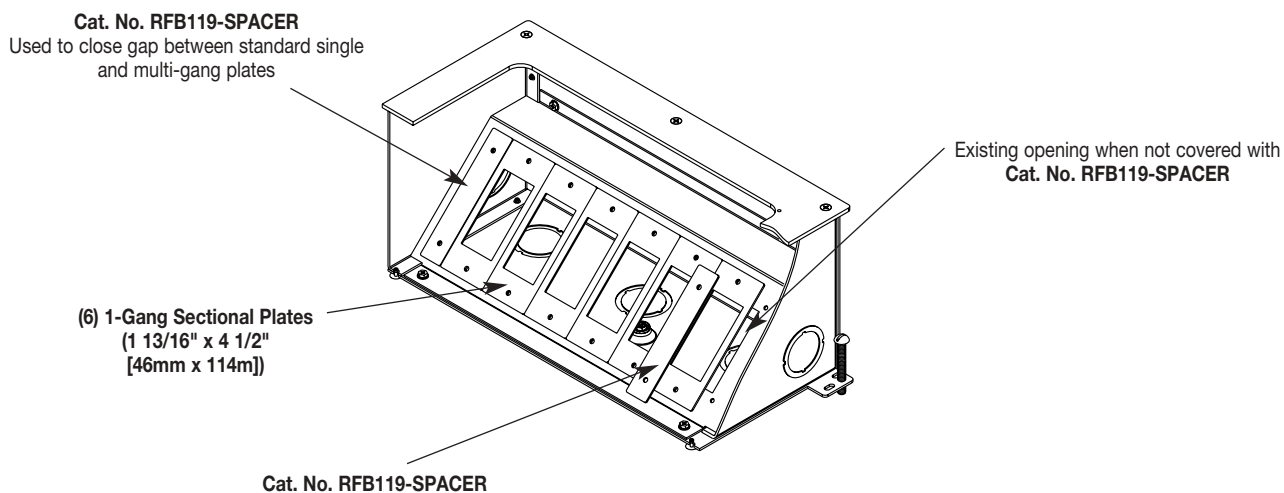


**Step 12** Mount blanking plates and spacers between standard size plates to close off any gaps or openings. Typical layouts are illustrated below.

### 6-GANG MOUNTING BRACKETS USED WITH STANDARD DEVICE PLATES

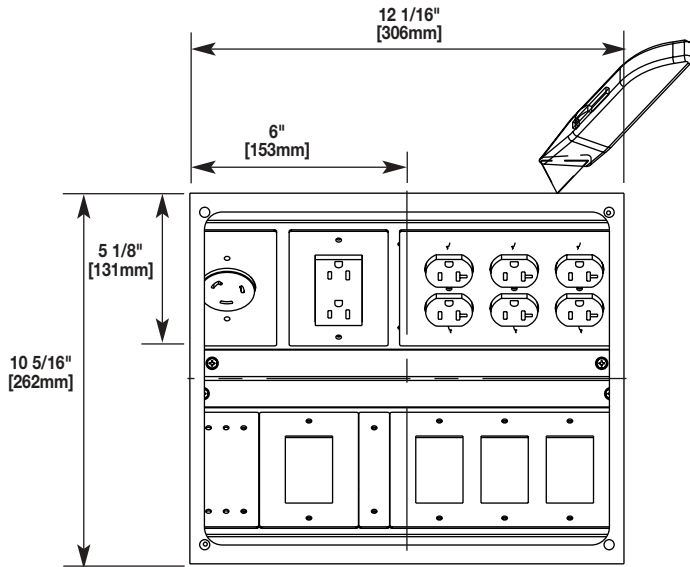


### 6-GANG MOUNTING BRACKETS USED WITH SECTIONAL DEVICE PLATES

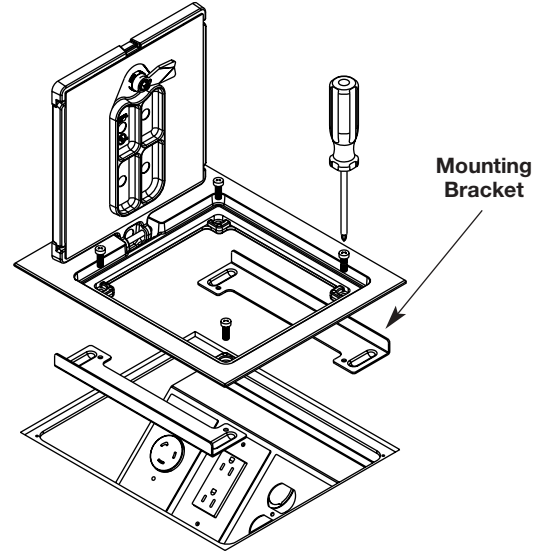


## CARPET INSTALLATIONS

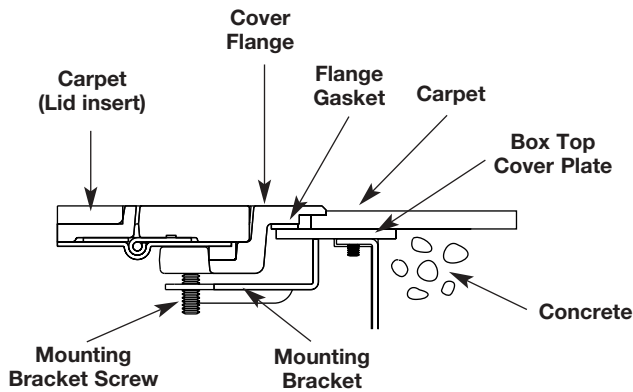
**Step 13** Install carpet and cut  $12 \frac{1}{16}$ " x  $10 \frac{5}{16}$ " [262mm x 306mm] rectangular opening over box opening.



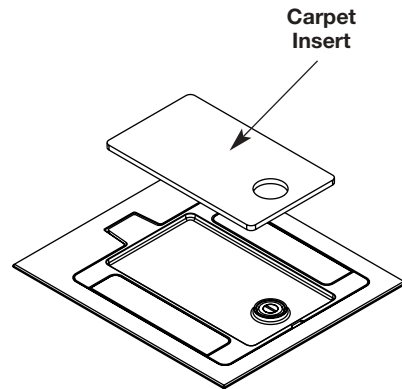
**Step 14** Open cover lid and position in box opening. Position (2) mounting brackets under box opening as shown in Step 15 and secure lid to brackets.

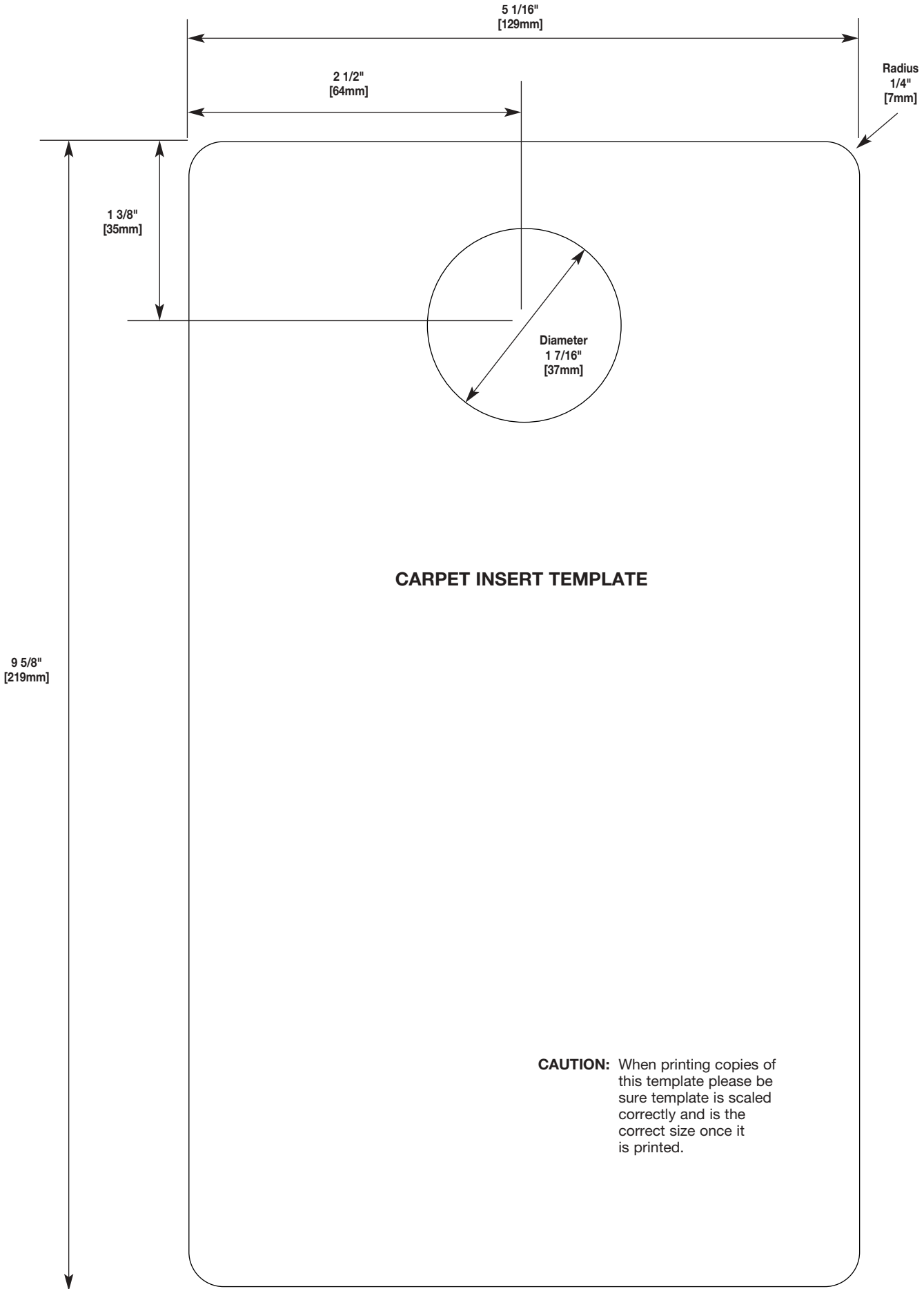


**Step 15** Tighten mounting bracket screws securing flange into box top cover plate.



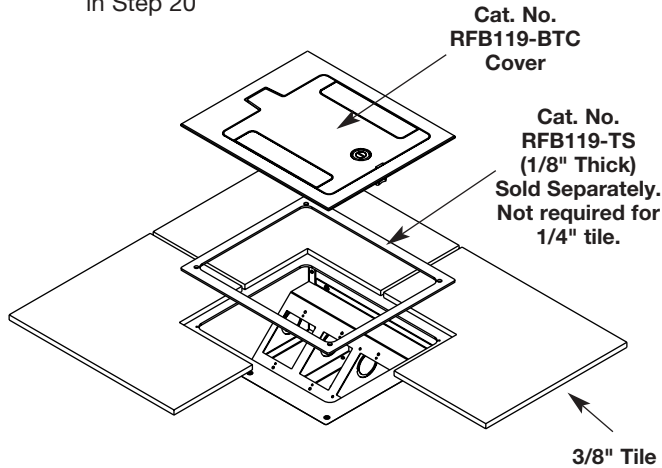
**Step 16** Cut carpet insert and mount inside lid. Use enclosed template for dimensions.



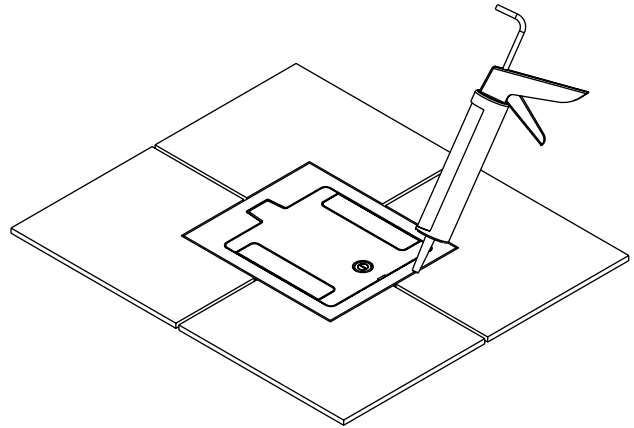


## TILE INSTALLATIONS

**Step 17** Cover flange is 1/4" thick. Use 1/8" spacer, Cat. No. RFB119-TS, for 3/8" tile installations. Use two spacers for 1/2" tile installations. Mount cover to box as shown in Steps 14 and 15. See illustration in Step 20

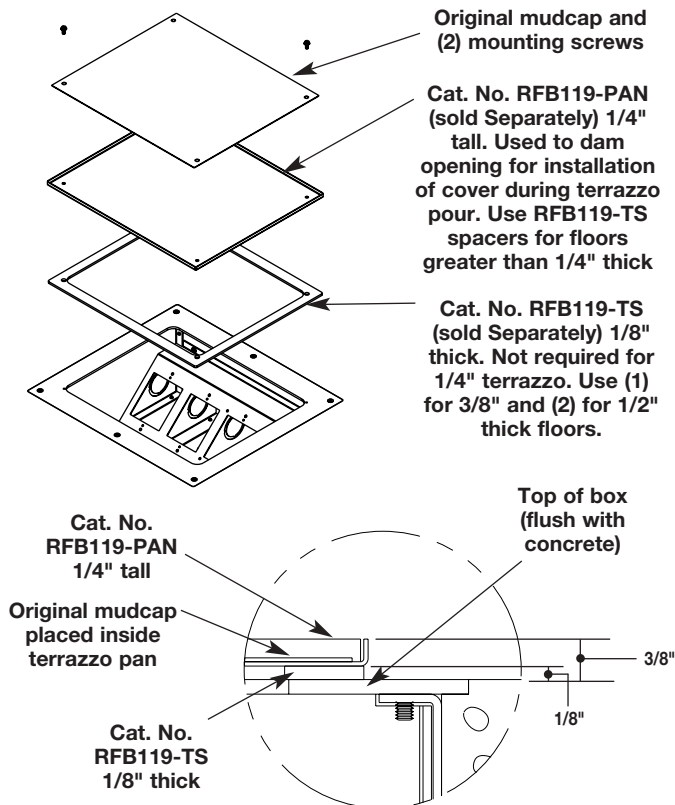


**Step 18** Use grout and/or silicone caulk between edges of flange and tile.



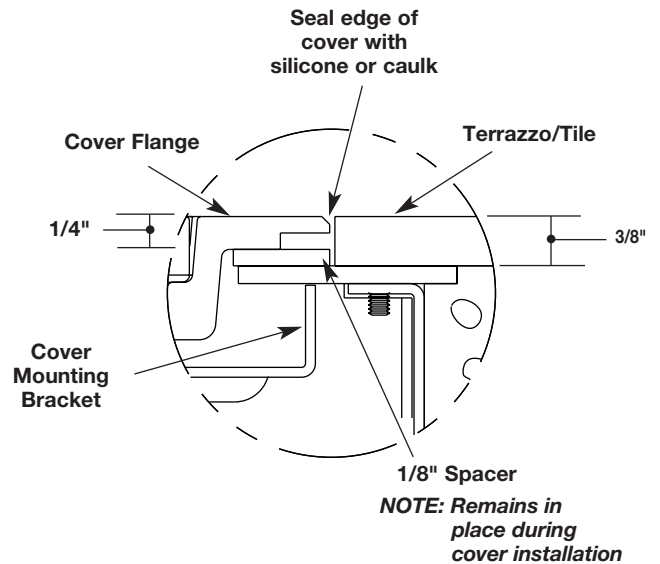
## TERRAZZO INSTALLATIONS

**Step 19** Install terrazzo pan prior to pouring floor. Pan is 1/4" tall. Use in conjunction with spacers to obtain 3/8" and 1/2" heights.



**Step 20** After terrazzo has cured, mount cover to box as shown in Steps 14 and 15. Apply sealing compound around perimeter of cover.

### DETAIL VIEW OF FINISHED INSTALLATION IN TERRAZZO OR TILE



**WIREMOLD®**  
Walker Infloor Systems

The Wiremold Company

U.S. and International:

60 Woodlawn Street • West Hartford, CT 06110

1-800-621-0049 • FAX 860-232-2062 • Outside U.S.: 860-233-6251

Canada:

850 Gartshore Street • Fergus, Ontario N1M 2W8

1-800-741-7957 • FAX 519-843-5980

