

INSTALLATION INSTRUCTIONS

These **INSTALLATION INSTRUCTIONS** cover:

Cat. No. 668-S Concealed Service Floor Box

Cat. Nos. 668S-1RP, 668S-1G, 668S-BP, 668S-6RJ, 668S-6AVA, 668S-6ORT
and 668S-6PAN Power and Data Panels

IMPORTANT:

- Read all instructions before installing the 668-S Floor Box.
- Wire power devices in accordance with the National Electrical Code and any local codes.

⚠ WARNING ⚠
ELECTRICAL HAZARD!
BE SURE POWER IS OFF!

Floor Box Overview

- FIGURE 1 668-S Floor Box Features
FIGURE 2 668-S Box Dimensions And
Compartment Layout
FIGURE 3 668-S Standard Power And Data Panels

Floor Box Installation

- FIGURE 4 Prepare Box For Concrete Pour
FIGURE 5 Section View Of 668-S Box In Concrete
Floor

Standard Cover Guide (not flush)

Detailed installation instructions TA02959 are included with the 668-CST-XXX Concealed Service Top. (XXX denotes color on Cat. Number).

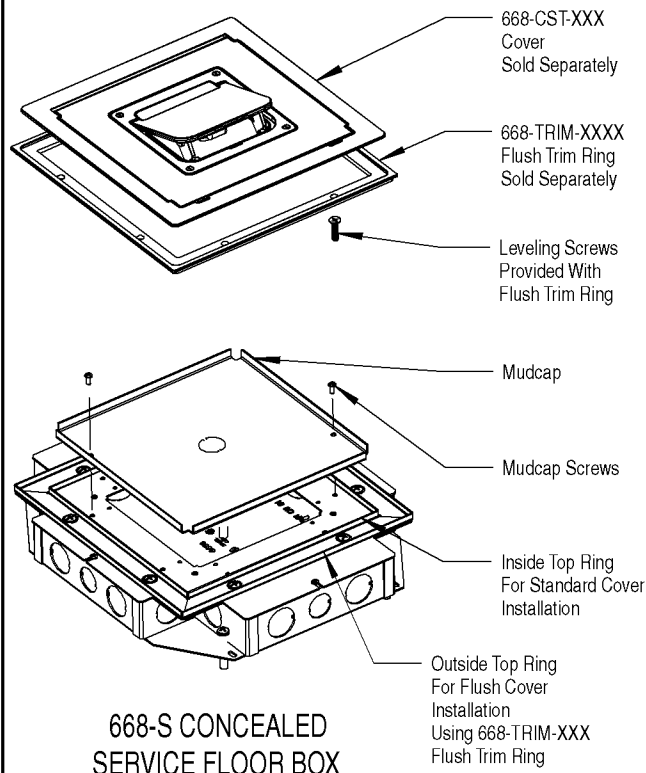
- FIGURE 6 Activate Floor Box After Concrete Pour
FIGURE 7 Power Panels, Data Panels And Cover

Flush Cover Guide

Detailed installation instructions TA02960 are included with the 668-TRIM-XXX Flushed Trim Ring. (XXX denotes color on Cat. Number).

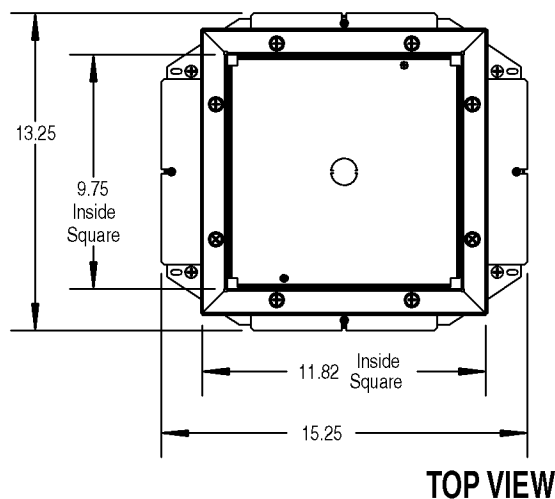
- FIGURE 8 Activate Floor Box After Concrete Pour
FIGURE 9 Power and Data Installation

FIGURE 1 668-S FLOOR BOX FEATURES

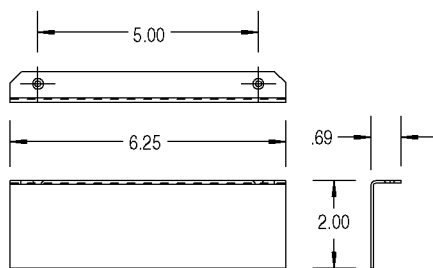
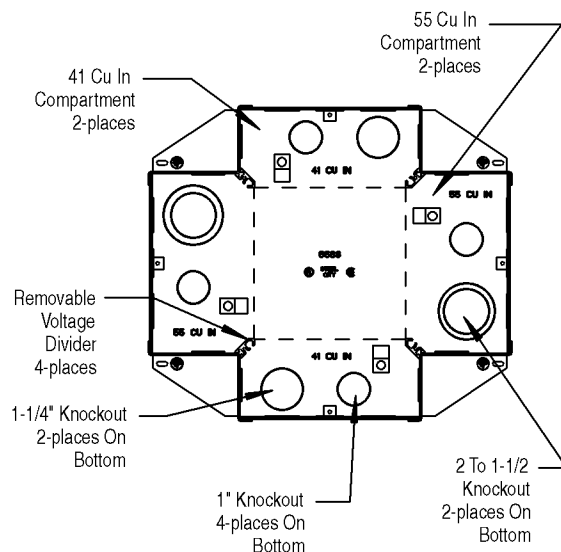
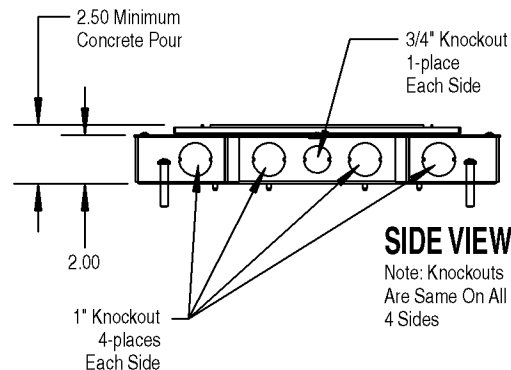


Features:

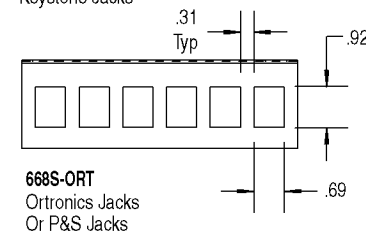
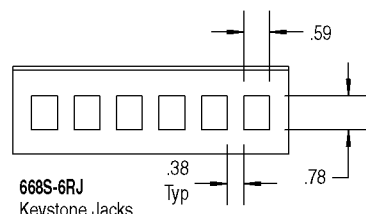
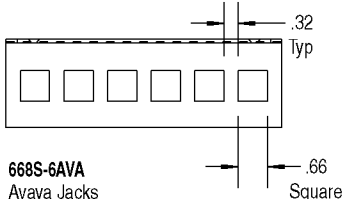
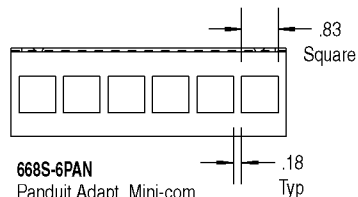
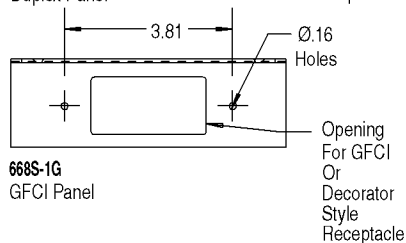
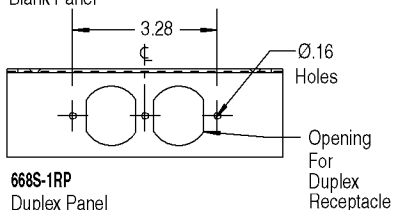
1. Shallow box construction allows cover to be installed flush to floor in 2-1/2" concrete pour.
2. Cover can be installed flush to concrete, tile or wood floors when flush mount trim ring is used.
3. Flush trim leveling screws provide 3/4" afterpour adjustability for cover when mounted flush to floor.
4. Cover can be installed in standard fashion over concrete, tile, wood or carpet floors.
5. Box has two 2" to 1-1/2" knockouts, two 1-1/4" knockouts, twenty 1" knockouts and four 3/4" knockouts.
6. Box has two 41 cu. in compartments and two 55 cu. in compartments with a removable divider in each corner to separate high and low voltage.
7. Box accepts four 668S series device panels.
8. Box uses 668 series cover and flush trim ring.
9. Note: 668S device panels, cover and flush trim ring are sold separately.



**FIGURE 2
668-S BOX
DIMENSIONS AND
COMPARTMENT LAYOUT**



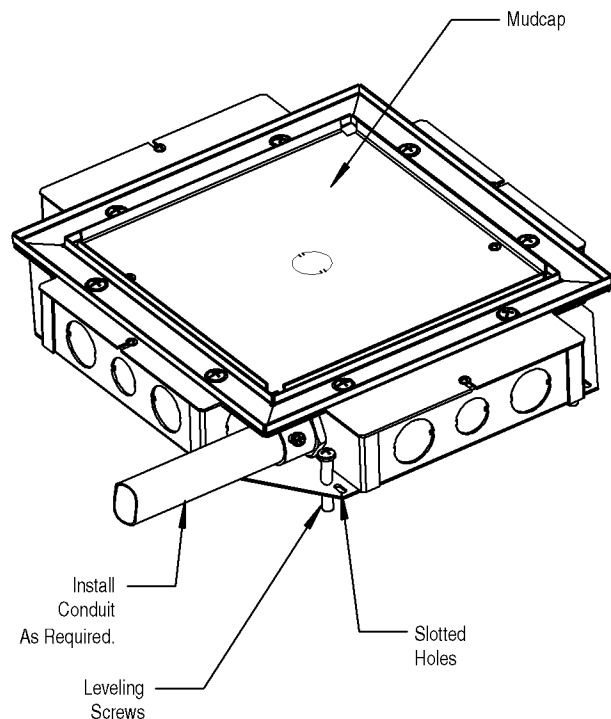
668S-BP
Blank Panel



**FIGURE 3
668-S STANDARD POWER
AND DATA PANELS**

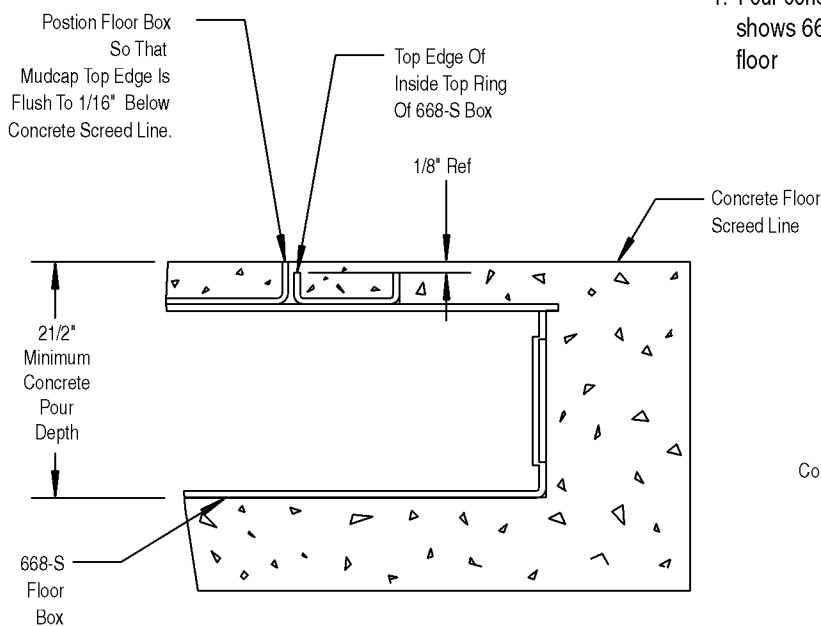
**NOTE: SPECIAL PANELS CAN BE
ORDERED IF NEEDED**

FIGURE 4 PREPARE BOX FOR CONCRETE POUR



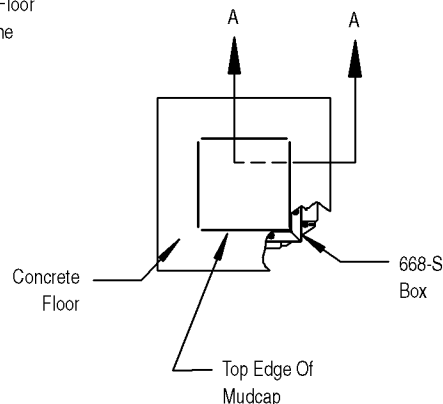
1. Position floor box and determine conduit layout. Remove knockouts and attach conduit and fittings (not supplied with box).
2. Replace mudcap.
3. Use leveling screws to adjust box so that top edge of mudcap is flush to 1/16" below screed line. Secure box to subfloor using wire or nails through slotted holes next to leveling screws.

FIGURE 5 SECTION VIEW OF 668-S BOX IN CONCRETE FLOOR



SECTION A-A

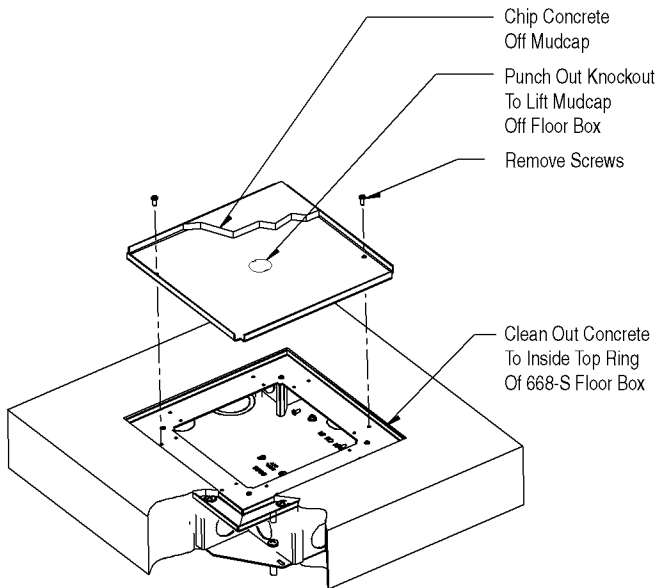
1. Pour concrete floor. Section view A-A shows 668-S box installed in concrete floor



FIGURES 6 and 7

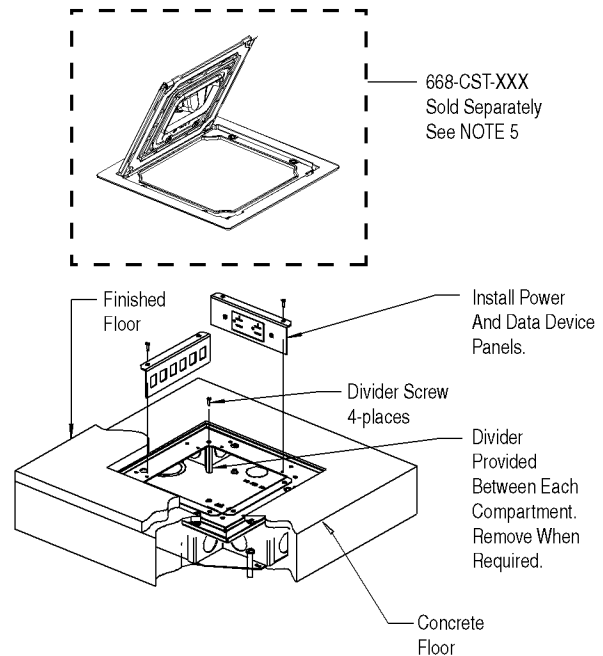
STANDARD COVER GUIDE (not flush)

FIGURE 6 ACTIVATE FLOOR BOX AFTER CONCRETE POUR



1. Chip concrete out of mudcap.
2. Remove screws and punch out knockout (lift hole) in center of mudcap.
3. Use hole to lift mudcap off floor box.
4. Chip and clean out remaining concrete to inside top ring of floor box.
5. The floor box is now ready to install power and data devices and panels.

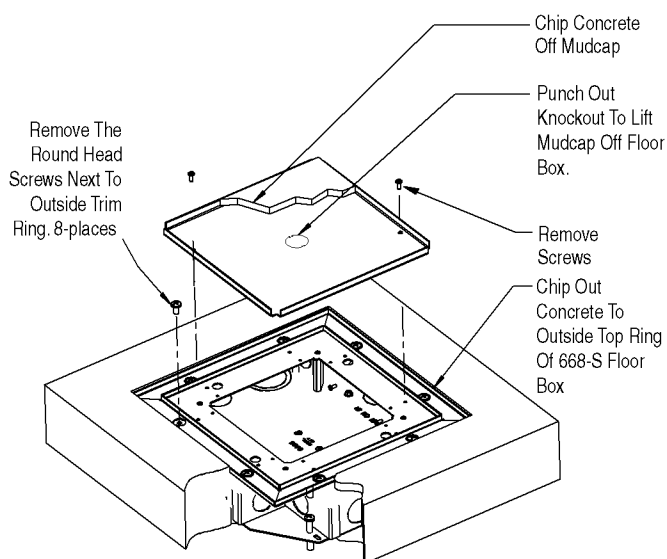
FIGURE 7 POWER AND DATA INSTALLATION



1. Dividers must remain installed between power and data compartments.
2. Electrical conductors or data cable can be routed between adjacent compartments by removing dividers at inside box corners. Ground screws are provided for each compartment for power devices.
3. Wire power devices in accordance with the national electrical code and any local codes (power and data panels are not furnished with floor box).
4. Install power and data panels.
5. Install 668-CST-XXX concealed service top (**cover**) using detailed installation instructions furnished with cover.

FIGURES 8 and 9 FLUSH COVER GUIDE

FIGURE 8 ACTIVATING FLOOR BOX - AFTER CONCRETE POUR

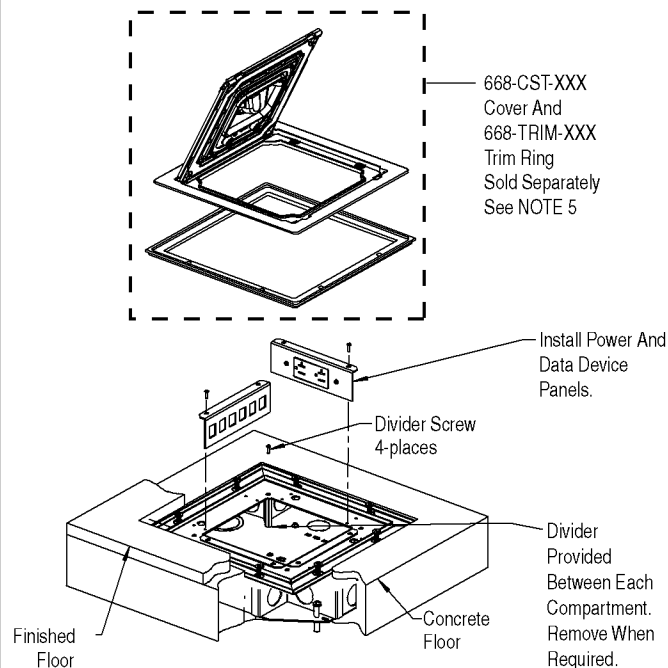


1. Chip concrete out of mudcap.
2. Remove screws and punch out knockout (lift hole) in center of mudcap.
3. Use hole to lift mudcap off floor box.
4. Chip and clean out remaining concrete to outside top ring of floor box.
5. Clean concrete off the head of the eight 1/4-20 short round head screws and remove.

Note: these were temporary screws used to plug holes during concrete pour.

6. The floor box is now ready to install power and data devices and panels.

FIGURE 9 POWER AND DATA INSTALLATION



1. Dividers must remain installed between power and data compartments.
2. Electrical conductors or data cable can be routed between adjacent compartments by removing dividers at inside box corners. Ground screws are provided for each compartment.
3. Wire power devices in accordance with the national electrical code and any local codes (power and data panels are not furnished with floor box).
4. Install power and data panels.
5. Install 668-CST-XXX concealed service top (**cover**) and 668-TRIM-XXX flush trim ring using detailed installation instructions furnished with cover and trim ring.

WARRANTY: Thomas & Betts sells this product with the understanding that the user will perform all necessary tests to determine the suitability of this product for the user's intended application. Thomas & Betts warrants that this product will be free from defects in materials and workmanship for a period of two (2) years following the date of purchase. Upon prompt notification of any warranted defect, Thomas & Betts will, at its option, repair or replace the defective product or refund the purchase price. Proof of purchase is required. Misuse or unauthorized modification of the product voids all warranties.

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