



# Anchoring a CT410 (no Riser)

These instructions show how to anchor a single validator safe directly to concrete without a riser.

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## INTRODUCTION

Proper anchoring of a safe to a concrete slab is very important to ensure the security of your equipment. It is critical that all four anchors be appropriately installed.

If an installation site does not have the required poured concrete slab, please consult your solution provider before proceeding with the installation.

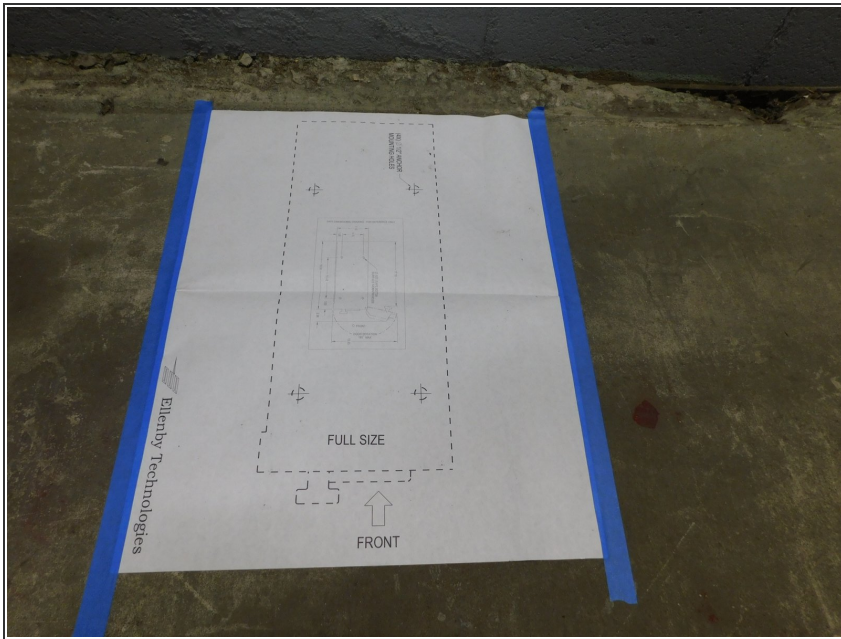
### TOOLS:

- [Masonry Hammer Drill](#) (1)
- [Safety Glasses](#) (1)
- [Hearing Protection](#) (1)
- [3/4" Ratcheting Box Wrench](#) (1)

### PARTS:

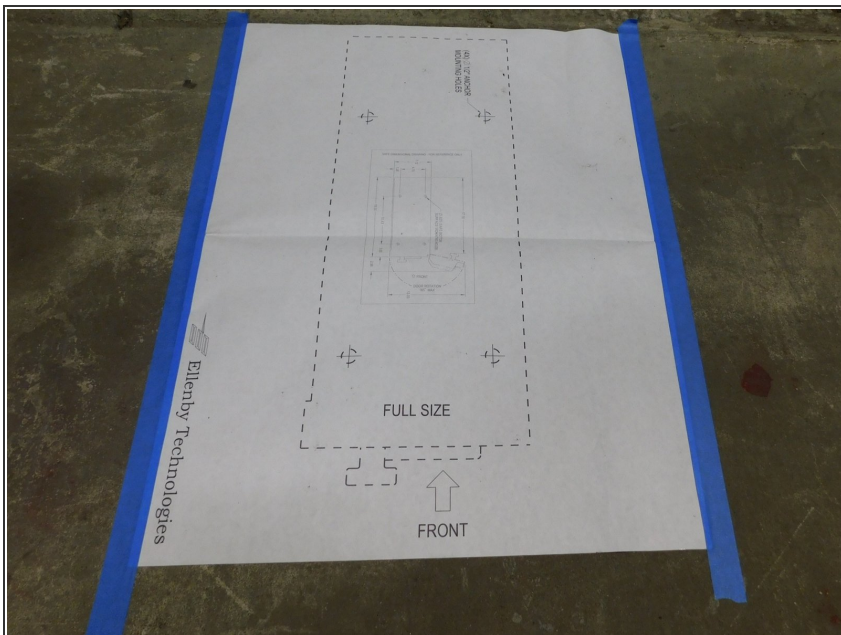
- [Masonry Carbide Drill Bit - 1/2"](#) (2)  
*Extra drill bits highly recommended*
- [INSTR TEMPLT CT410](#) (1)
- [08-0500-KT](#) (1)  
*This is a kit of five anchors (one extra included)*

## Step 1 — Identify location to install safe



- Identify place in store to install the safe
- ⚠ Safe can only be securely anchored to poured concrete floors
- ⚠ Floor should be level
- ➡ Remember to ensure proper door swing clearance in front of and to the right of the safe and also at the rear of the safe allowing a min. of 3" clearance behind the safe - these dimensions can be found on the template

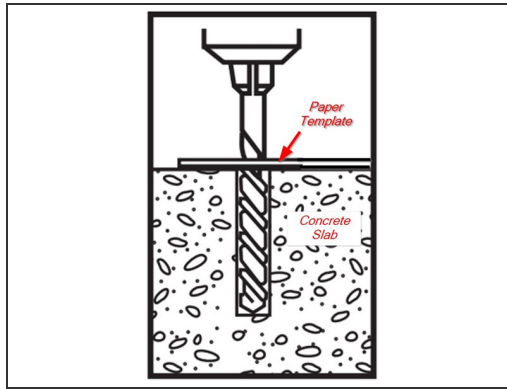
## Step 2 — Setup Template



- Secure paper anchor template on the floor where you wish to install the safe
- ⚠ Ensure the front of the template points towards the customer

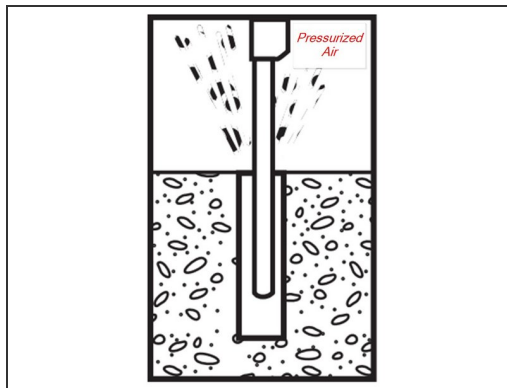


### Step 3 — Drill Anchor Holes



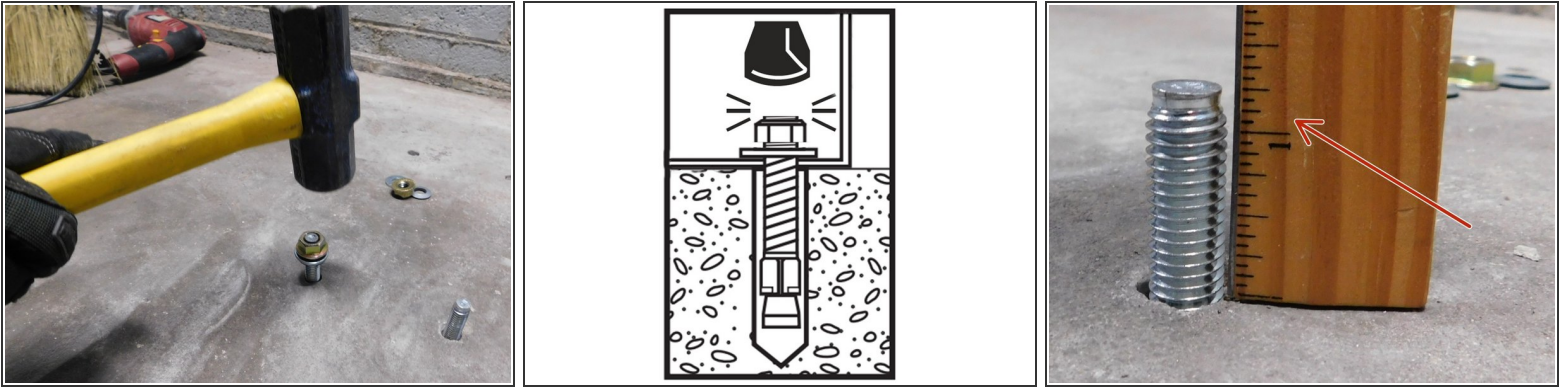
- Drill 0.500" diameter hole with carbide drill bit to a depth of 2.75" min. and 3" max.
  - ⓘ Total anchor length is 3.75"
  - ⓘ The use of carbide drill bits manufactured with ANSI B212.15 drill bit diameter requirements is recommended for installation of this anchor
- Drill all four holes as indicated by the template
  - ⓘ Anchor mounting holes in safe are 0.625" in diameter which only allows for 1/8" tolerance in the precision of the 0.500" drill holes
  - ⓘ *Alternate method - if you do not have a template place safe in location and mark holes using a Sharpie marker from inside the safe onto the concrete'*

### Step 4 — Clean Holes



- Clean holes with pressurized air or vacuum to remove any excess dust/debris

## Step 5 — Prepare Anchors



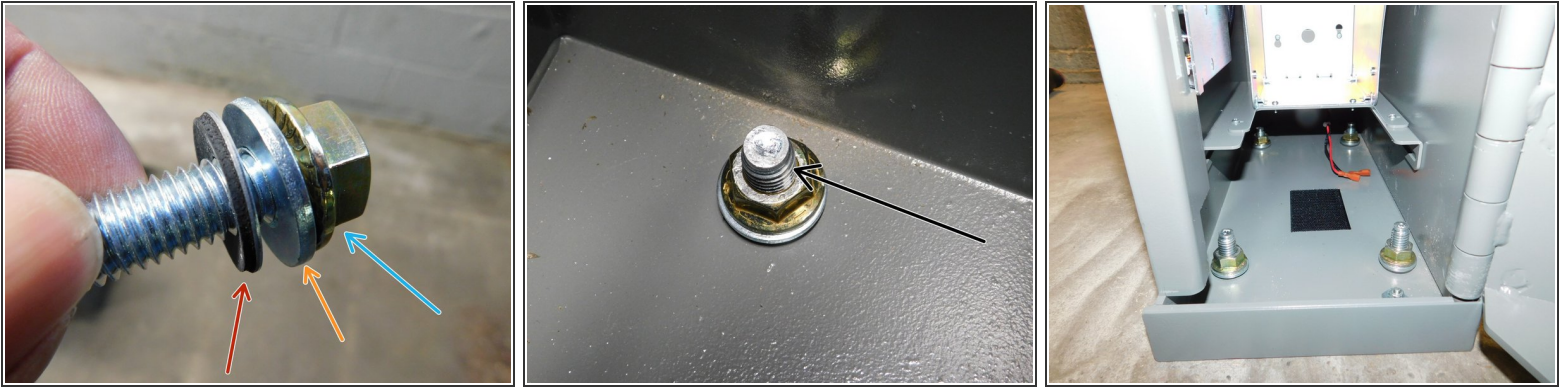
- Using the nut provided, assemble the anchor, leaving nut one half turn from the end of anchor to protect threads
- With hammer, pound anchor into hole until approx. 1.25" of anchor is still exposed.
- Remove nut from anchor, should be about 1.25" inch of anchor above concrete

## Step 6 — Place Safe Over Anchors



- Set safe down on top of anchors
  - May require straightening anchors with couple of hammer blows to the side of the anchor
- Remove cash cassette by pulling yellow handle straight towards you firmly
- Remove battery pack by peeling pack off Velcro pad and disconnecting wire harness spade terminals (the battery is an option your safe may or may not have this installed)

## Step 7 — Secure Anchors to Safe



- Place gasketed washer on top of anchor ensuring gasketed side is facing down towards the riser metal
- Place flat washer on top of gasketed washer
- Thread on locking nut
- Expand anchor by tightening nut using 3/4" socket and ratchet or 3/4" wrench
- ⓘ Approximately 55 ftlbs of torque or at least 3 to 5 turns of the nut is needed to activate anchor
  - After tightened, make sure at least 3 threads are showing above the mounting nut
- Repeat for all four anchors



## Step 8 — Reinstall Battery and Cassette



- IF APPLICABLE - Place spade terminals back on to battery pack
- ⚠ Red terminal goes on side of battery marked with Plus sign, Black terminal goes on side marked with Minus sign
- Stick battery back on to Velcro pad
- Slide cash cassette back into validator chassis by pushing firmly