



Anchoring a CT410 with Riser

These instructions show how to anchor a single validator safe with riser to concrete.

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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.

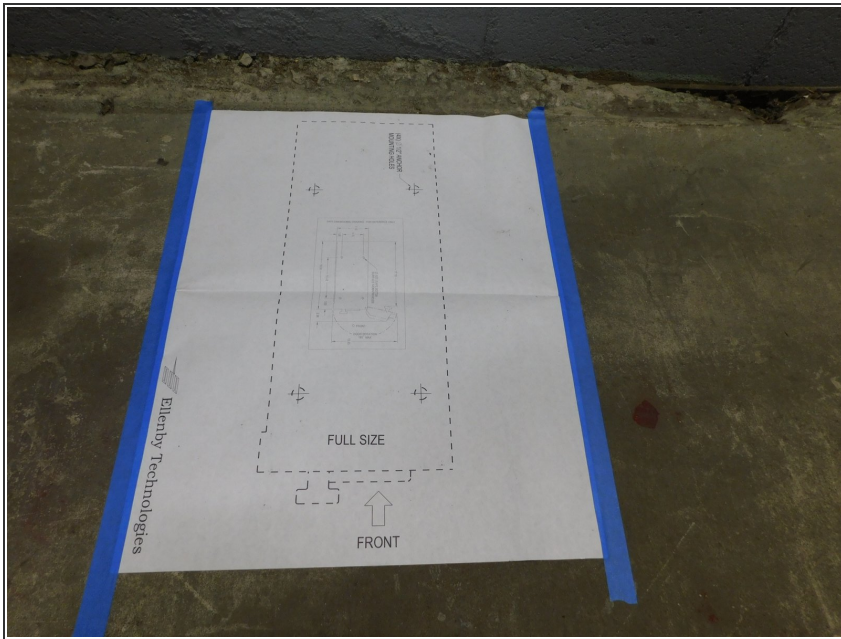
TOOLS:

- [Masonry Hammer Drill](#) (1)
- [Safety Glasses](#) (1)
- [Hearing Protection](#) (1)
- [3/8" Drive Ratchet](#) (1)

PARTS:

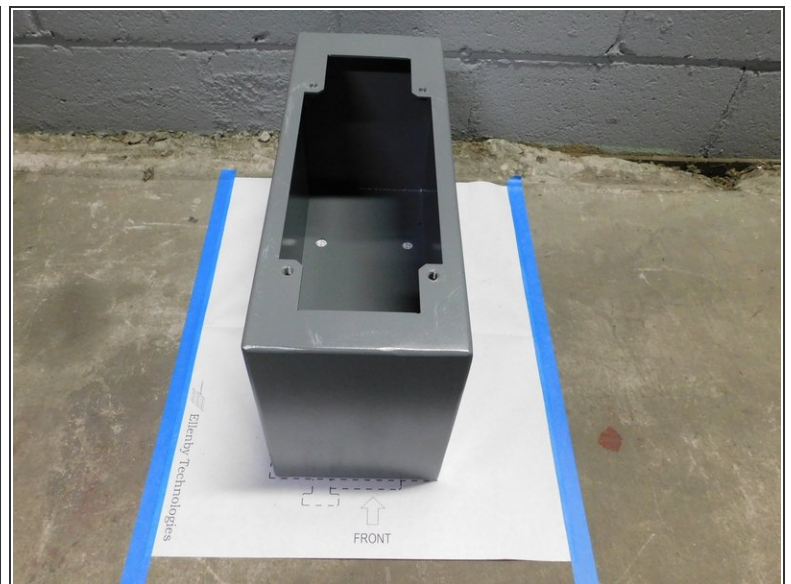
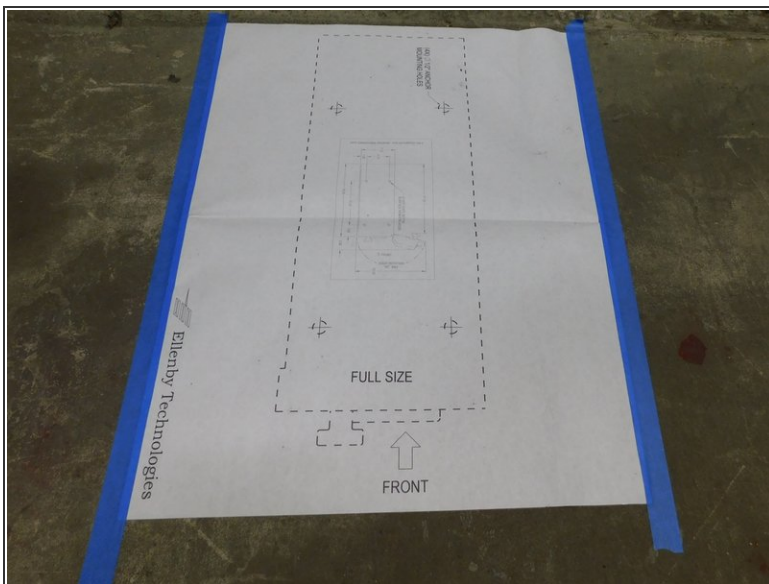
- [Masonry Carbide Drill Bit - 1/2"](#) (2)
Extra drill bits highly recommended
- [INSTR TEMPLT CT410](#) (1)
- [3/4" Deep Socket](#) (1)
- [9/16" Socket](#) (1)
- [3/8" Driver Ratchet Extension](#) (1)
- [08-0500-KT](#) (1)
This is a kit of five anchors (one extra included)
- [08-3878-K4](#) (1)
Kit of four mounting screws

Step 1 — Identify location to install safe



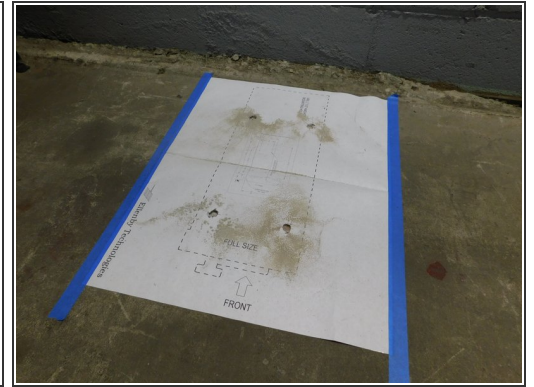
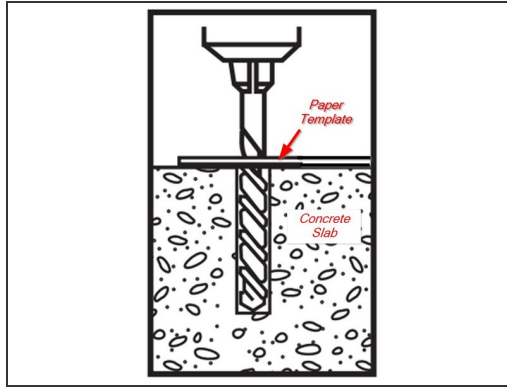
- Identify place in store to install the safe
- ⚠ Safe can only be securely anchored to poured concrete floors
- ⚠ Floor should be level
- ➡ Remember to ensure proper door swing clearance in front of and to the right of the safe - these dimensions can be found on the template. Also be sure to leave at minimum 3" clearance behind the safe for plugging in cables, antenna etc.

Step 2 — Setup Template



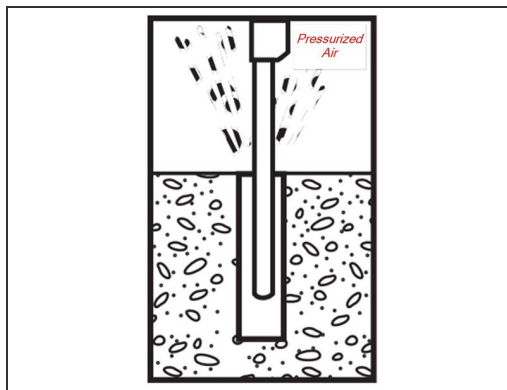
- Secure paper anchor template on the floor where you wish to install the safe
- ⚠ Ensure the front of the template points towards the customer

Step 3 — Drill Anchor Holes



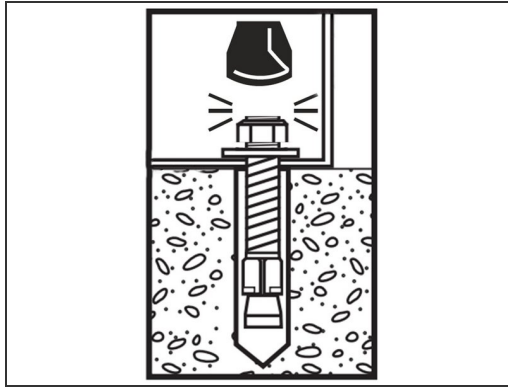
- Drill 0.500" diameter hole with carbide drill bit with depth of at least 2.75" min. and 3" max.
 - ⓘ Total anchor length is 3.75"
 - ⓘ The use of carbide drill bits manufactured with ANSI B212.15 drill bit diameter requirements is recommended for installation of this anchor
- Drill all four holes as indicated by the template
 - ⓘ Anchor mounting holes in safe and riser are 0.625" in diameter which only allows for 1/8" tolerance in the precision of the 0.500" drill holes

Step 4 — Clean Holes



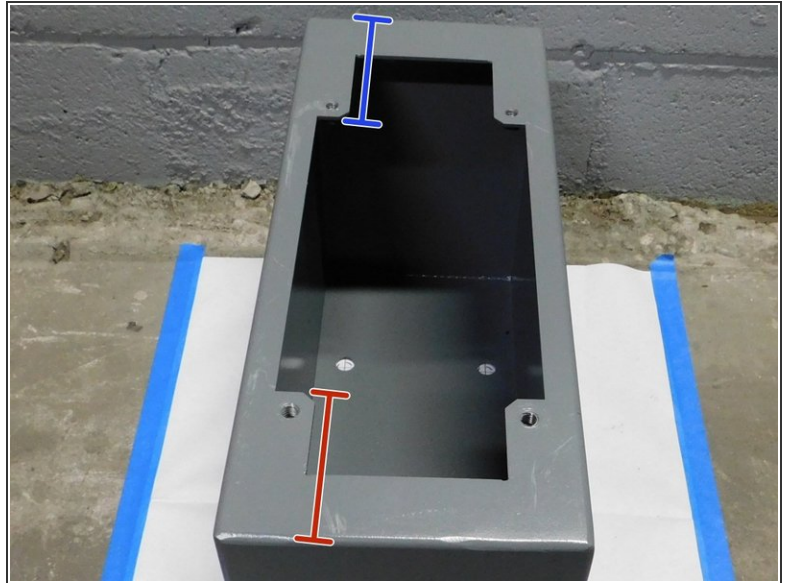
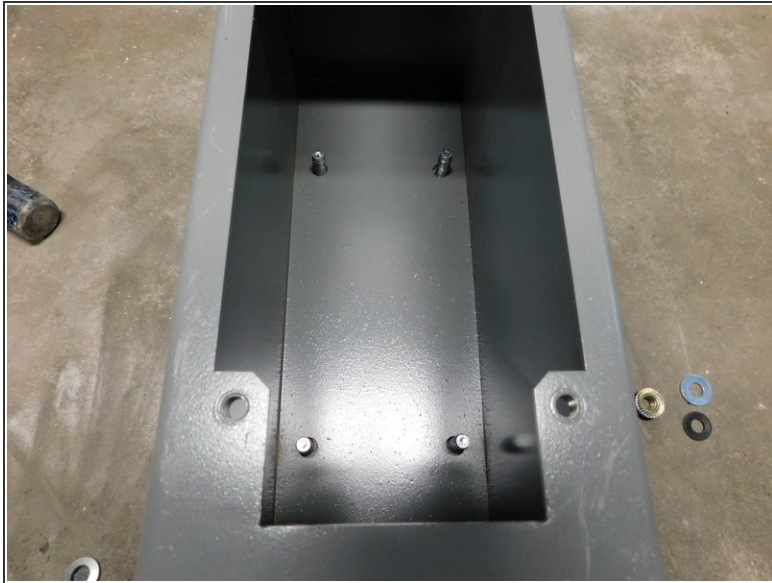
- Clean holes with pressurized air or vacuum to remove any excess dust/debris

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 holes until approx. 1.25" of anchor is still exposed above concrete.
- Remove nut from anchor, should be about 1.25" inch of anchor above concrete

Step 6 — Place Riser Over Anchors



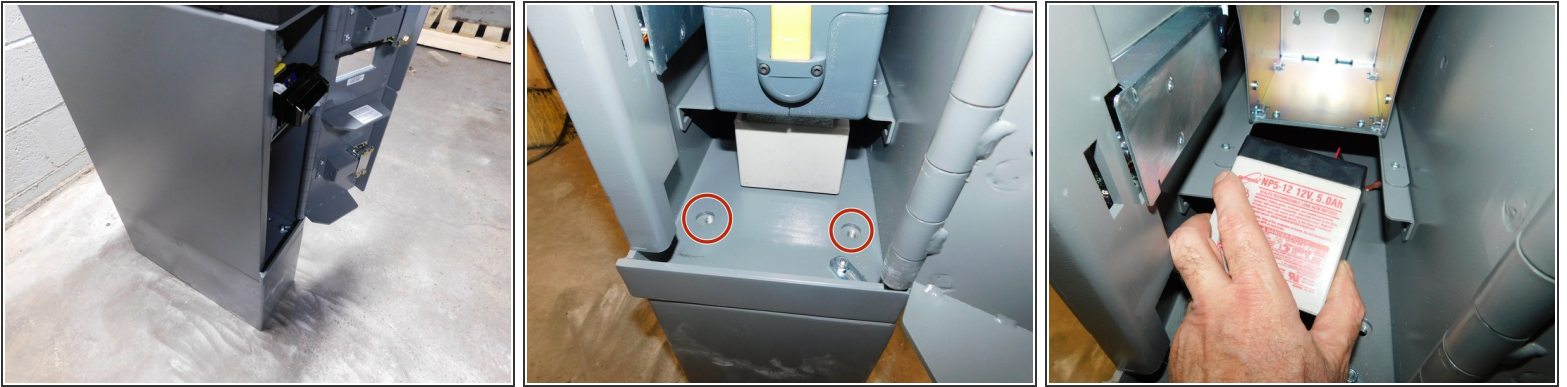
- Set riser down on top of anchors
 - May require straightening anchors with couple of hammer blows to the side of the anchor
- ⚠ Ensure you place riser in the correct orientation - note the front side of the riser
 - Front side of riser has shorter distance to bolt hole
 - Rear side on riser has longer distance to bolt hole

Step 7 — Secure anchors to riser



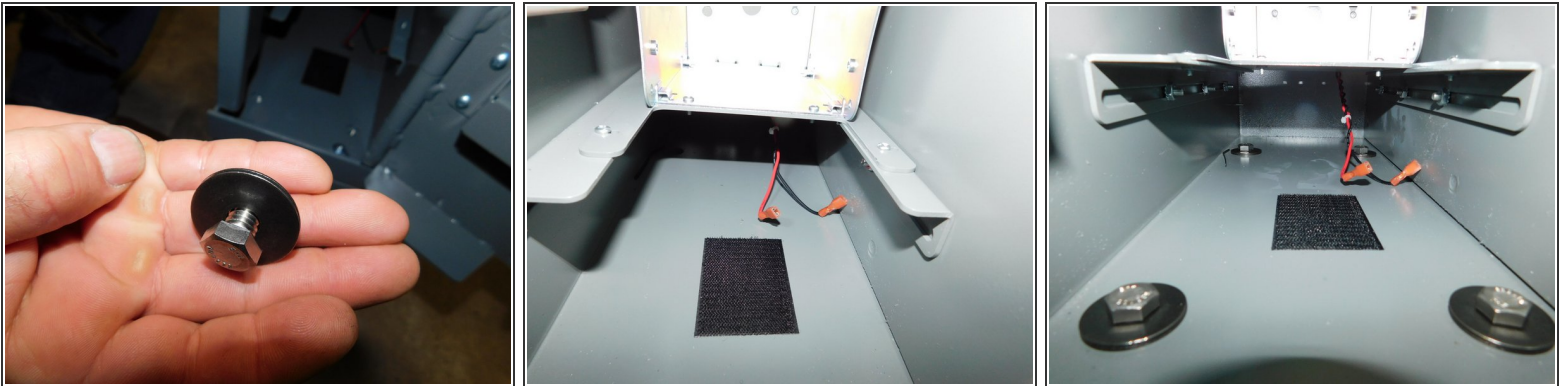
- Place gasketed washer on top of anchor ensuring gasketed side is facing down towards the riser metal
- Place flat washer on top of gasketed washer
- Thread on locking nut
- Expand anchor by tightening nut using 3/4" socket with approximately 55 ftlbs of torque or at least 3 to 5 turns of the nut
 - After tightened, make sure you have a min. of 3 or 4 threads exposed above to of nut.
- Repeat for all four anchors

Step 8 — Place Safe on Top of Riser



- Square up safe on top of riser
 - Note threaded holes should line up with opening on the bottom of the safe
- Remove cash cassette and battery backup to make room to install rear bolts from safe to riser

Step 9 — Bolt Safe to Riser



- Locate four safe bolts and secure with 9/16" socket and washer
- Re-install battery backup by re-attaching spade terminals on battery pack and stick on velcro.