



# TROVE™

## Access & Power Integration

### Trove2KA2

- Trove2 enclosure with Altronix/Keyscan backplane (TKA2)

### TKA2

- Altronix/Keyscan backplane only

## Installation Guide

### Overview:

Trove2KA2 accommodates various combinations of Keyscan boards with or without Altronix power supplies and accessories for access systems.

### Specifications:

#### Trove2KA2

- Trove2 enclosure with TKA2 Altronix/Keyscan backplane.
  - Includes: tamper switch, cam lock, lock nuts and mounting hardware.
  - 16 Gauge enclosure with ample knockouts for convenient access.
- Enclosure Dimensions (H x W x D):**  
27.25" x 21.75" x 6.5" (692.2mm x 552.5mm x 165.1mm).

#### TKA2

- TKA2 Altronix/Keyscan backplane.
  - 16 Gauge backplane.
  - Includes mounting hardware.
- Dimensions (H x W x D):**  
25.375" x 19.375" x 0.3125" (644.6mm x 492.1mm x 7.9mm).

### Backplane Accommodates a Combination of the Following:

- Two (2) AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, eFlow4NB, eFlow6NB, eFlow102NB, or eFlow104NB.
- One (1) T16100, ACM4(CB), ACM8(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6.
- One (1) CA250B, CA4500B, CA8500B, one (1) DPS-15, one (1) CIM and two (2) OCB8.

### Installation Instructions for Trove2:

1. Remove backplane from enclosure prior to mounting (do not discard hardware).
2. Mark and predrill holes in the wall to line up with the top keyholes in the enclosure. Install the upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the screws; level and secure. Mark the position of the lower holes. Remove the enclosure. Drill the lower holes and install the fasteners. Place the enclosure's upper keyholes over the upper screws. Install the lower screws and make sure to tighten all screws (*Enclosure Dimensions, pg. 4*).
3. Mount included UL Listed tamper switch (Altronix Model TS112 or equivalent) in desired location, opposite hinge. Slide the tamper switch bracket onto the edge of the enclosure approximately 2" from the right side (*Fig. 1, pg. 1*). Connect tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device. To activate alarm signal open the door of the enclosure.
4. Mount Altronix/Keyscan boards to backplane, refer to *Page 2*.

### Hardware:

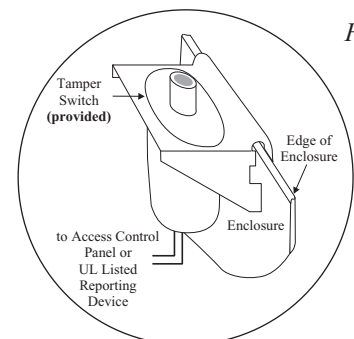
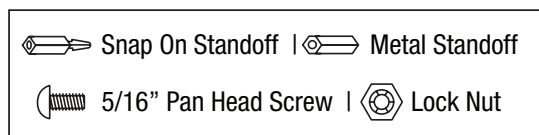
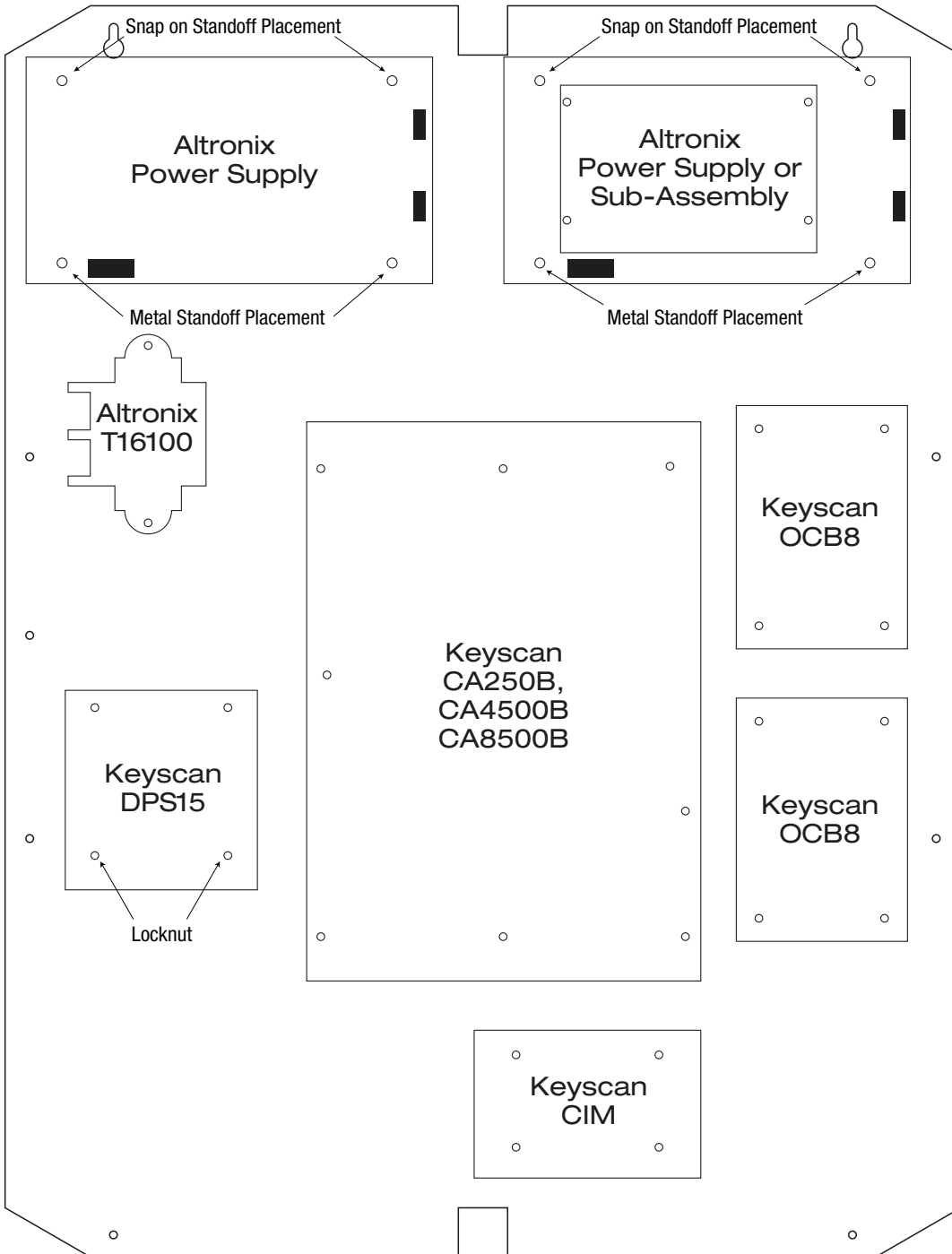


Fig. 1

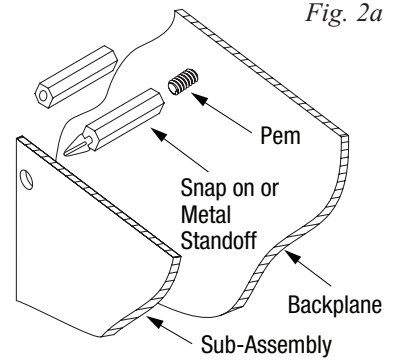
## **TKA2: Configuration of Altronix Power Supply and/or Sub-Assembly Boards and Keyscan Boards**

1. Fasten metal and snap on standoffs (provided) to pems which match the hole pattern for Altronix Power Supply/Chargers or Altronix Sub-Assembly boards (*Fig. 2, 2a, pg. 2*). **Note:** Please fasten metal and snap on standoffs in the proper locations (*Fig. 2, pg. 2*).
2. Mount boards to standoffs utilizing 5/16" pan head screws (provided) (*Fig. 2, pg. 2*).
3. Mount Altronix T16100 transformer to backplane using two locking nuts (*Fig. 2, pg. 2*).
4. Mount appropriate Keyscan boards into the correct positions (*Fig. 2, pg. 2*) by positioning standoffs over appropriate holes on the backplane and depress down on board to secure standoff to the backplane (*Fig. 2b, pg. 2*).
5. Fasten backplane to Trove2 enclosure utilizing pan head screws (provided).

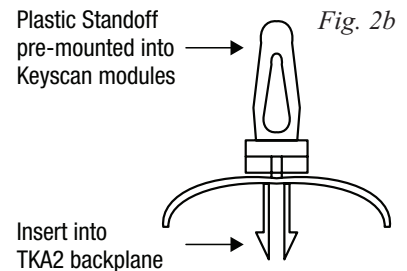
*Fig. 2*



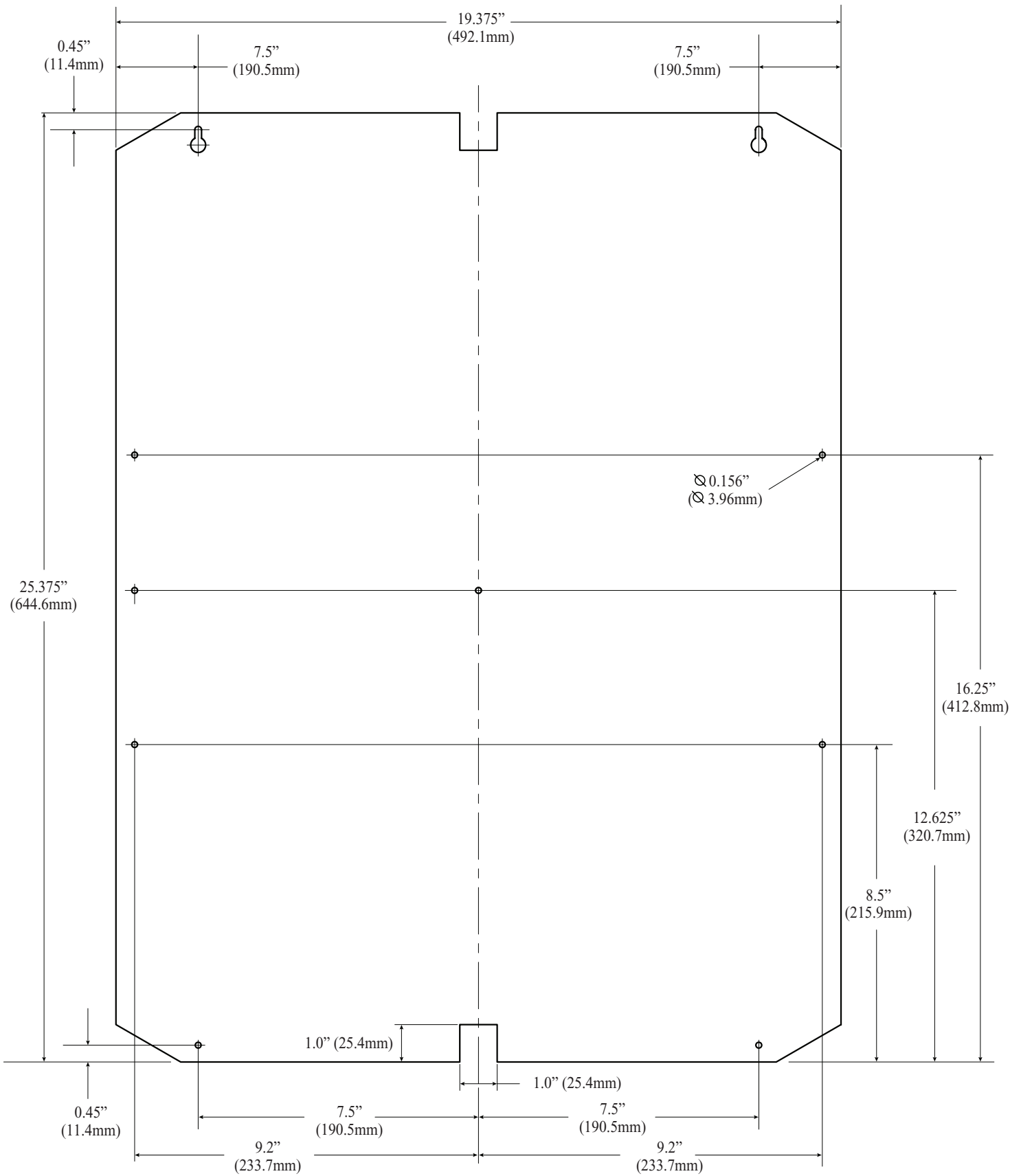
*Fig. 2a*



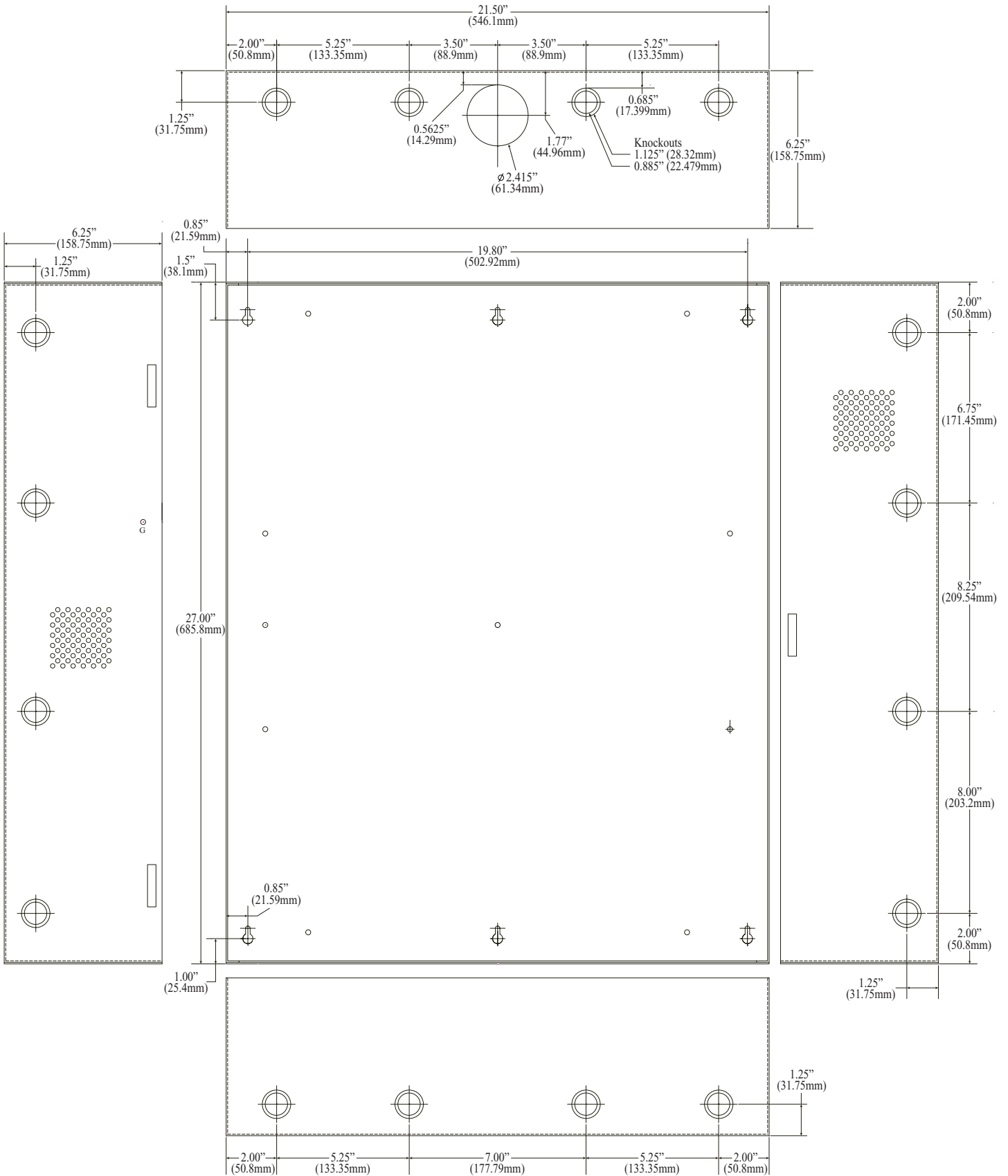
*Fig. 2b*



**TKA2 Dimensions (H x W x D):**  
 25.375" x 19.375" x 0.3125" (644.6mm x 492.1mm x 7.9mm)



**Trove2 Enclosure Dimensions (H x W x D approximate):**  
 27.25" x 21.75" x 6.5" (692.15mm x 546.1mm x 165.1mm)



Altronix is not responsible for any typographical errors.

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