Altronix®

TROVE™ *Installation Guide*

Versatile Access Power and Integration Enclosures

Trove1C1

- Trove1 enclosure with Altronix/CDVI backplane (TC1)

Trove2CV2

- Trove2 enclosure with Altronix/CDVI backplane (TCV2)

TC1

- Altronix/CDVI backplane only

TCV2

- Altronix/CDVI backplane only

Overview:

Trove1C1 and Trove2CV2 accommodate various combinations of CDVI boards with or without Altronix power supplies and accessories for access systems.

Specifications:

- 19 Gauge grey enclosure with ample knockouts for convenient access.

Trove1C1

- Trove1 enclosure with TC1 Altronix/CDVI backplane.

- Includes: tamper switch, cam lock, lock nuts and mounting hardware.

Enclosure Dimensions (H x W x D): 18" x 14.5" x 4.6255" (457mm x 368mm x 118mm)

TC1

- TC1 Altronix/CDVI backplane.

- 19 Gauge backplane.
- Includes mounting hardware.

Dimensions (H x W x D): 16.625" x 12.5" x 0.3125" (422.275mm x 317.5mm x 7.9mm)

TC1 Backplane accommodates a combination of the following:

- One (1) AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, eFlow4NB, eFlow6NB, eFlow102NB or eFlow104NB.
- One (1) ACM4(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6.
- Four (4) A22 modules.

Trove2CV2

- Trove2 enclosure with TCV2 Altronix/CDVI backplane.

- Includes: tamper switch, cam lock, lock nuts and mounting hardware.

Enclosure Dimensions (H x W x D): 27.25" x 21.75" x 6.5" (692.15mm x 552.45mm x 165.1mm)

TCV2

- TCV2 Altronix/CDVI backplane.

- 19 Gauge backplane.
- Includes mounting hardware.

Dimensions (H x W x D): 25.375" x 19.375" x 0.3125" (644.525mm x 492.125mm x 7.9mm)

TCV2 Backplane accommodates a combination of the following:

- Two (2) AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, eFlow4NB, eFlow6NB, eFlow102NB or eFlow104NB.
- One (1) ACM8(CB), or two (2) MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6.
- Five (5) A22 modules.

Installation Instructions:

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.

1. Remove backplane from enclosure. Do not discard hardware.
2. ***Trove1C1*** *(Fig. 5, pg. 5)*
   Mark and predrill holes on the wall to line up with the top two keyholes in the enclosure. Install two upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two upper screws, level and secure. Mark the position of the lower two holes. Remove the enclosure. Drill the lower holes and install the two fasteners. Place the enclosure's upper keyholes over the two upper screws. Install the two lower screws and make sure to tighten all screws.

   Trove2CV2 *(Fig. 9, pg. 8)*
   Mark and predrill holes on the wall to line up with the top three keyholes in the enclosure. Install three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the three upper screws, level and secure. Mark the position of the lower three holes. Remove the enclosure. Drill the lower holes and install the three fasteners. Place the enclosure's upper keyholes over the three upper screws. Install the three lower screws and make sure to tighten all screws.

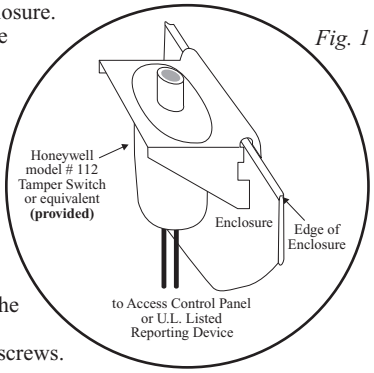
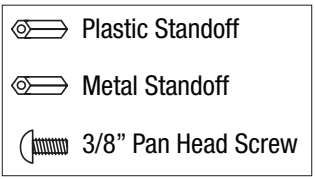


Fig. 1

3. Mount UL Listed tamper switch (Included) (Ademco model 112 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/CDVI modules to TC1 or TCV2 backplane, *refer to pages 3 and 6.*

Mounting Hardware:



TC1: Configuration of Altronix Power Supply and/or Sub-Assembly Boards and CDVI Modules

1. Fasten standoffs (provided) to pems that match the hole pattern for Altronix Power Supply/Chargers or Altronix Sub-Assembly boards *(Fig. 3, pg. 3)*. Fasten metal standoffs in the correct locations to provide proper grounding, see below *(Fig. 3, pg. 3)*.
2. Mount boards to standoffs utilizing 5/16" pan head screws (provided) *(Fig. 3, pg. 3)*.
3. Mount appropriate CDVI A22 modules into the correct positions *(Fig. 3, pg. 3)*. by postioning standoffs over appropriate holes on the backplane and depress down on board to secure standoff to the backplane *(Fig. 2, pg. 3)*. **Note:** CDVI A22 modules have one (1) RJ45 jack each. Please make sure that they are mounted correctly, as shown in *Fig. 3* below.
4. Fasten TC1 backplane to Trove1 enclosure utilizing pan head screws (provided).

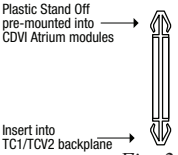
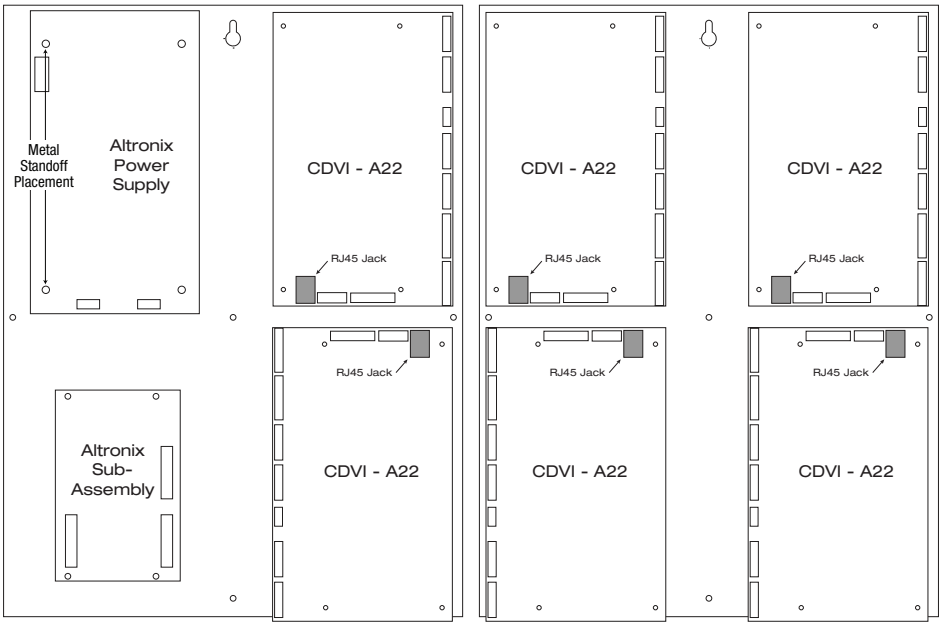


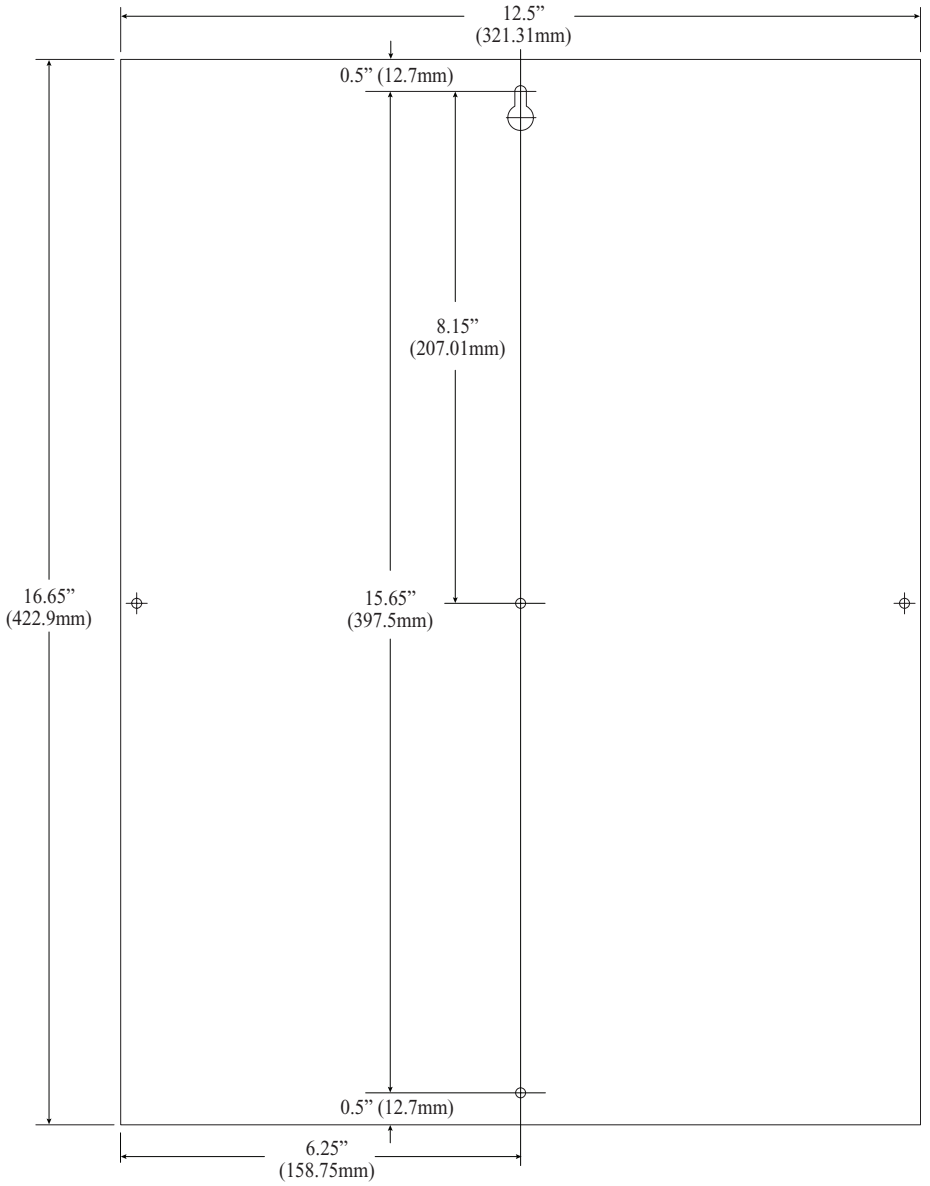
Fig. 2

Fig. 3 - Trove1C1/TC1 Configurations



TC1 Dimensions

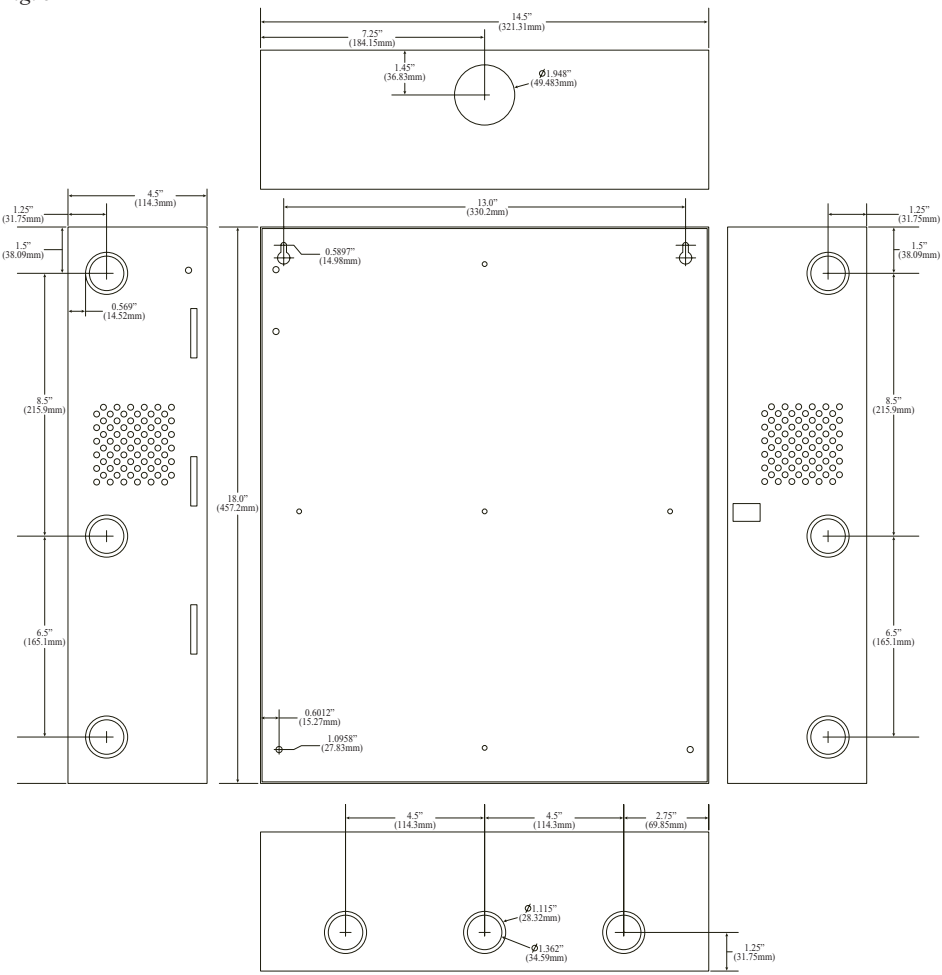
Fig. 4



Trove1C1 Enclosure Dimensions *(H x W x D)*:

18" x 14.5" x 4.6255" (457mm x 368mm x 118mm)

Fig. 5



TCV2: Configuration of Altronix Power Supply and/or Sub-Assembly Boards and CDVI Modules

1. Fasten standoffs (provided) to pems that match the hole pattern for Altronix Power Supply/Chargers or Altronix Sub-Assembly boards *(Fig. 7, pg. 6)*. Fasten metal standoffs in the correct locations to provide proper grounding, see below *(Fig. 7, pg. 6)*.
   Note: Altronix sub-assembly position can accommodate either one (1) ACM8/ ACM8CB or two (2) PD4UL/PD4ULCB, PD8UL/PD8ULCB or MOM5.
2. Mount boards to standoffs utilizing 5/16" pan head screws (provided) *(Fig. 7, pg. 6)*.
3. Mount appropriate CDVI A22 modules into the correct positions *(Fig. 7, pg. 6)*. by postioning standoffs over appropriate holes on the backplane and depress down on board to secure standoff to the backplane *(Fig. 6, pg. 6)*.
   Note: CDVI A22 modules have one (1) RJ45 jack each. Please make sure that they are mounted correctly, as shown in *Fig. 7* below.
4. Fasten TCV2 backplane to Trove2 enclosure utilizing pan head screws (provided).

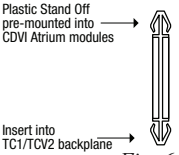
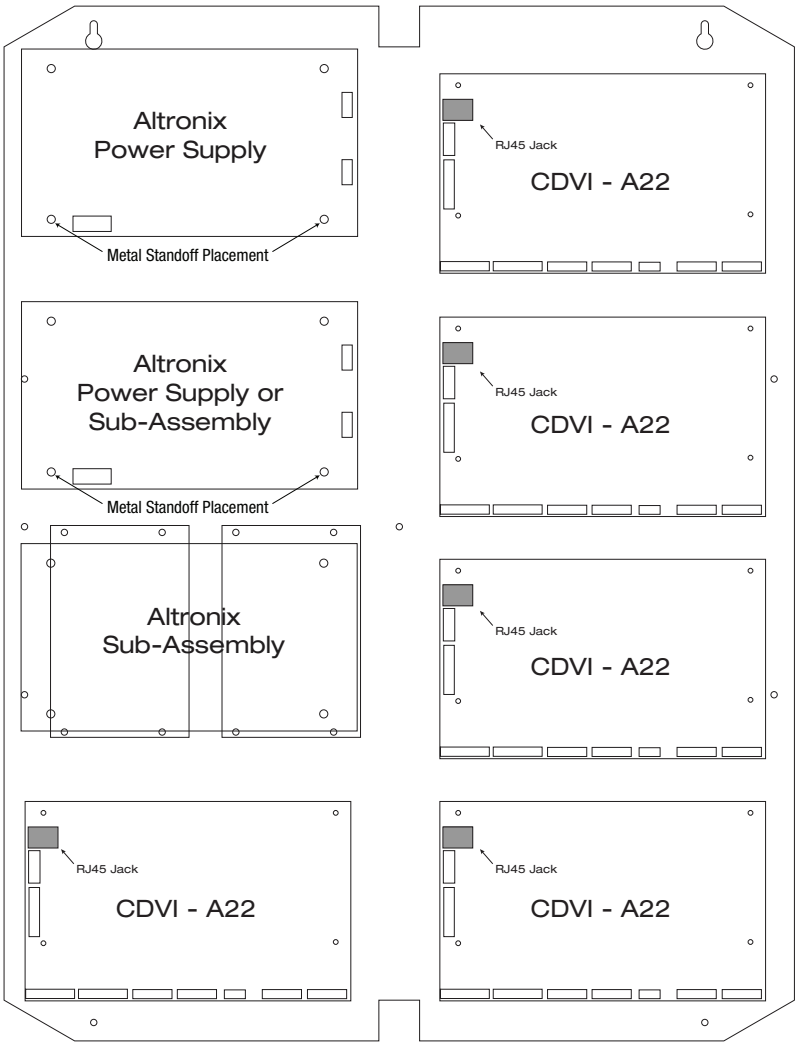


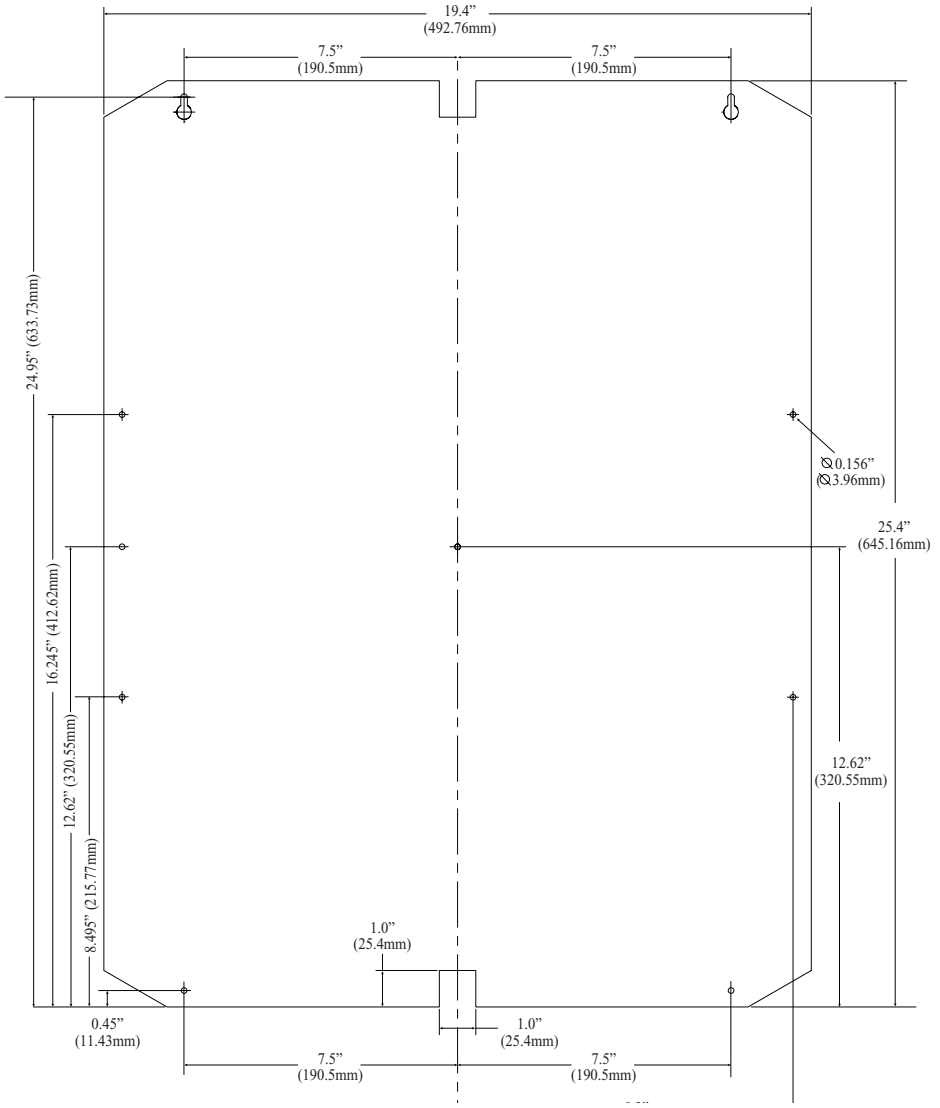
Fig. 6

Fig. 7



TCV2 Dimensions

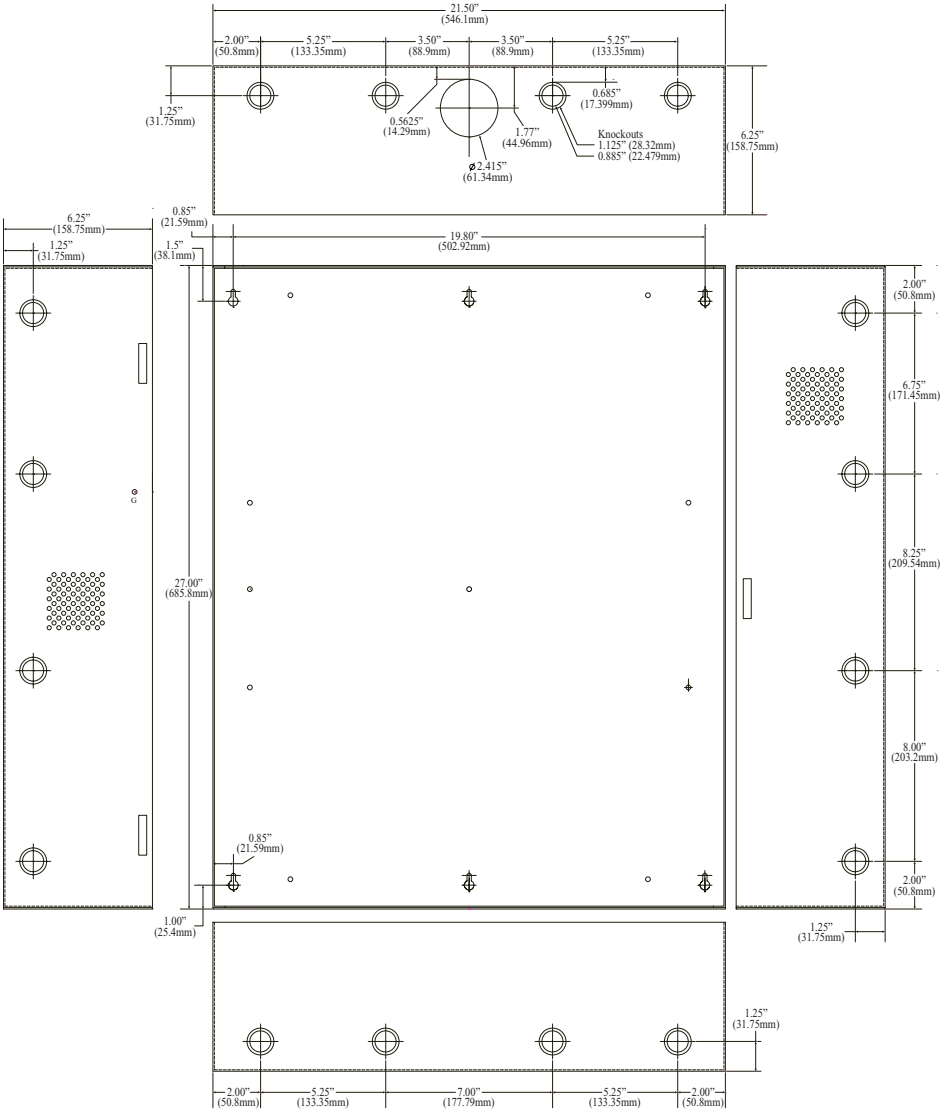
Fig. 8



Trove2CV2 Enclosure Dimensions *(H x W x D)*:

27.25" x 21.75" x 6.5" (692.15mm x 552.45mm x 165.1mm)

Fig. 9



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