

TROVE™

Access & Power Integration

Trove1DM1

- Trove1 enclosure with Altronix/DMP backplane (TDM1)

TDM1

- Altronix/DMP backplane only

Trove2DM2

- Trove2 enclosure with Altronix/DMP backplane (TDM2)

TDM2

- Altronix/DMP backplane only

Installation Guide



More than just power.™

All registered trademarks are property of their respective owners.

Rev. TDMP103017

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Trove1DM1 and Trove2DM2 accommodate DMP 734/734N Wiegand Modules with or without Altronix power supplies and accessories for access control systems.

Specifications:

- 16 Gauge backplane and enclosure with ample knockouts for convenient access.

Trove1DM1

Trove1 enclosure with TDM1 Altronix/DMP backplane

- Includes: tamper switch, cam lock, lock nuts, and mounting hardware.
Enclosure Dimensions (H x W x D):
18" x 14.5" x 4.625" (457mm x 368mm x 118mm).

TDM1

Altronix/DMP backplane only

- Includes mounting hardware.
Dimensions (H x W x D):
16.625" x 12.5" x 0.3125" (422.3mm x 317.5mm x 7.9mm).

TDM1 accommodates a combination of the following:

Altronix Modules:

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

DMP Modules:

- Up to eight (8) DMP 734/734N modules.

Trove2DM2

Trove2 enclosure with TDM2 Altronix/DMP 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" (692.2mm x 552.5mm x 165.1mm).

TDM2

Altronix/DMP backplane only

- Includes mounting hardware.
Dimensions (H x W x D):
25.375" x 19.375" x 0.325" (644.5mm x 482.6mm x 8.3mm)

TDM2 accommodates a combination of the following:

Altronix Modules:

- Two (2) AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, eFlow4NB, eFlow6NB, eFlow102NB or eFlow104NB.
- Two (2) ACM8(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6.

DMP Modules:

- Up to sixteen (16) DMP 734/734N modules.

Installation Instructions for Trove1 and Trove2:

1. Remove backplane from enclosure prior to mounting (do not discard hardware).
2. **Trove1DM1 (Pg. 7):**
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.
Trove2DM2 (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.
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/DMP modules to TDM1 or TDM2 backplane, refer to pages 3, 4.

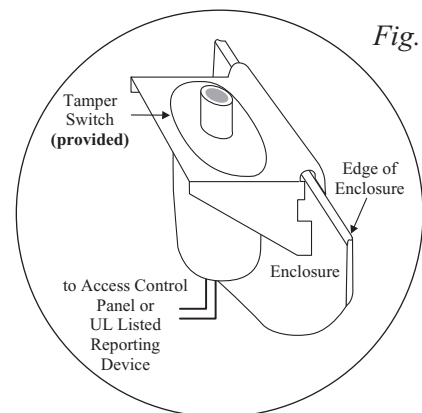
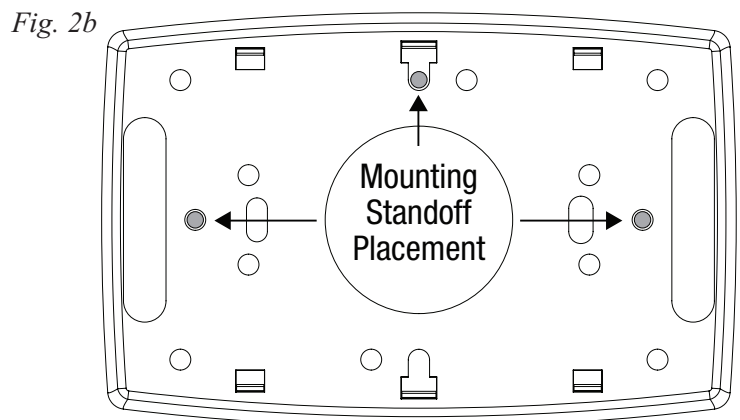
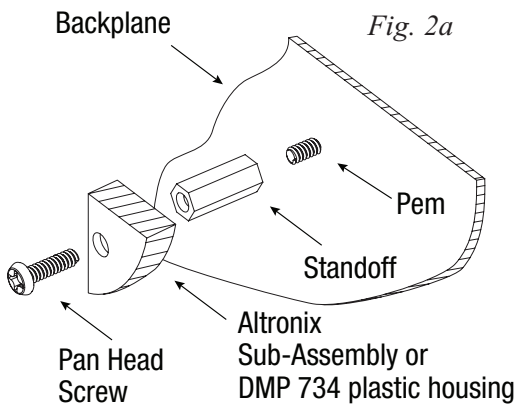
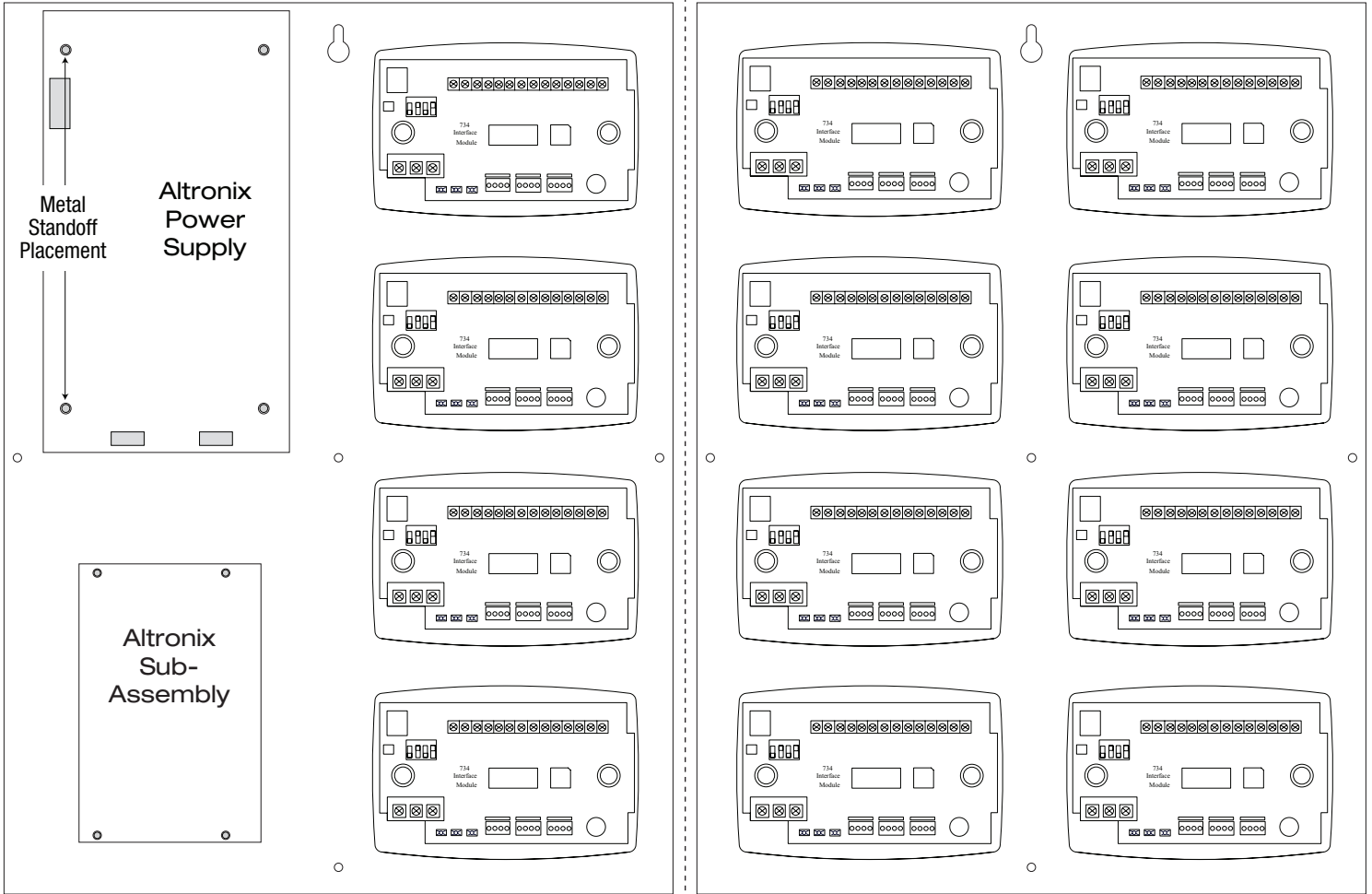


Fig. 1

TDM1: Configuration of Altronix Power Supply and/or Sub-Assembly Boards and DMP 734/734N Wiegand Modules

1. Fasten standoffs (provided) to pems that match the hole pattern for Altronix Power Supply/Chargers or Altronix Sub-Assembly boards (Fig. 2, pg. 3). Fasten metal standoffs in the correct locations to provide proper grounding, see below (Fig. 2, pg. 3).
2. Mount boards to standoffs utilizing 5/16" pan head screws (provided) (Fig. 2, 2a, pg. 3).
3. Mount DMP 734/734N modules into the correct positions (Fig. 2, pg. 3):
 - a. fasten standoffs to appropriate pems on the backplane (Fig. 2, 2b, pg. 3).
 - b. remove DMP 734/734N board from the plastic housing.
Use the base part of the housing to mount onto TDM1 (Fig. 2b, pg. 3).
 - c. secure the base of DMP 734/734N to the standoffs using provided 5/16" pan head screws.
 - d. make all necessary connections before reassembling DMP 734/734N Wiegand.
4. Fasten TDM1 backplane to Trove1 enclosure utilizing pan head screws (provided).

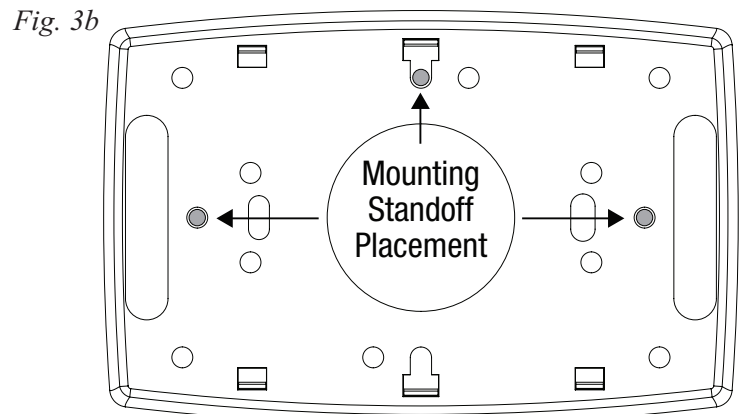
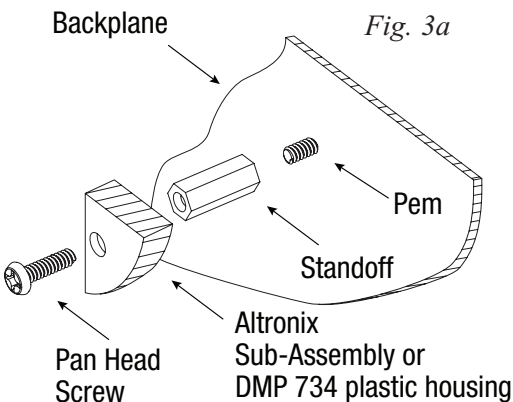
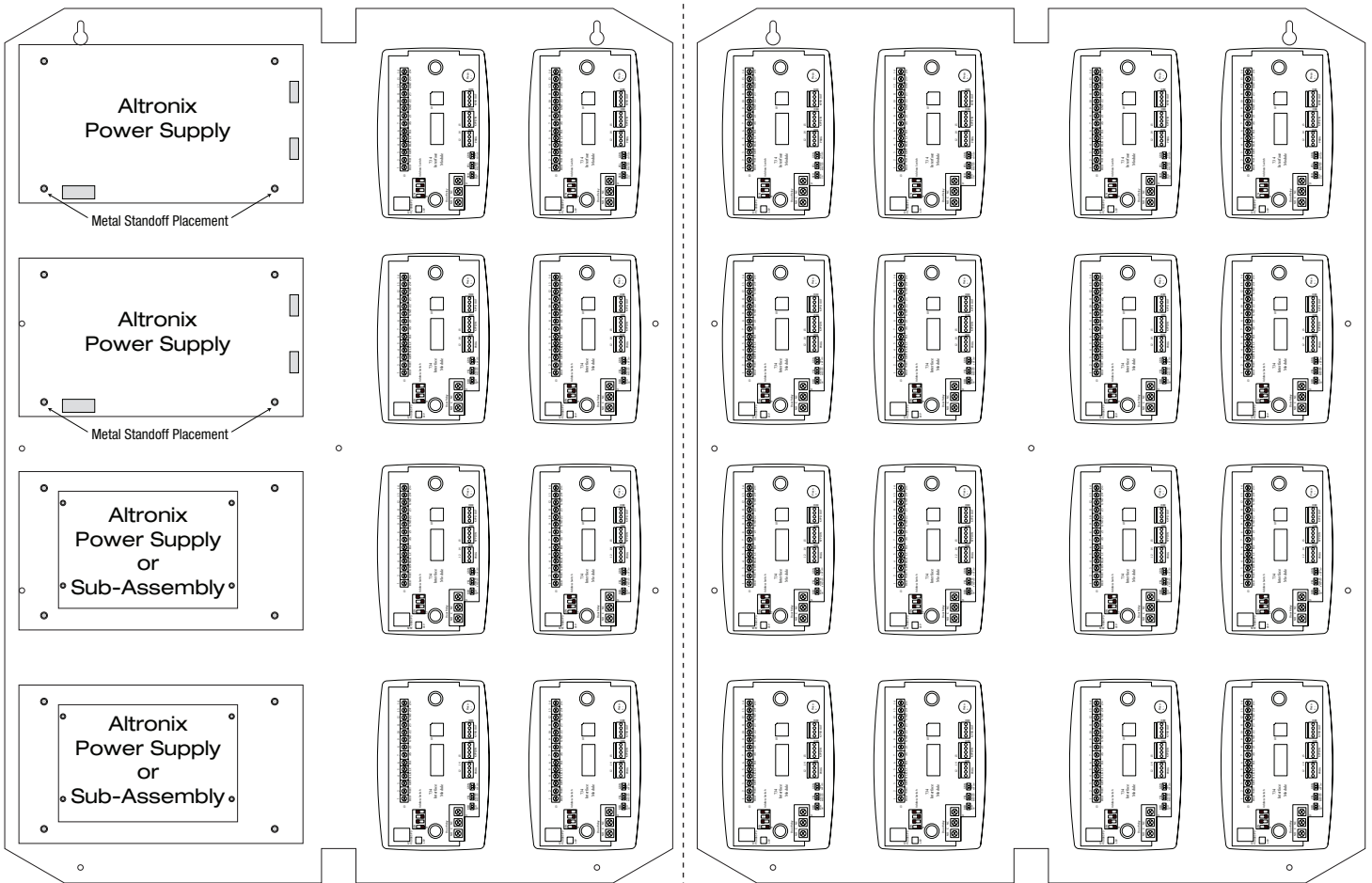
Fig. 2 - Trove1DMP1/TDM1 Configurations



TDM2: Configuration of Altronix Power Supply and/or Sub-Assembly Boards and DMP 734/734N Wiegand Modules

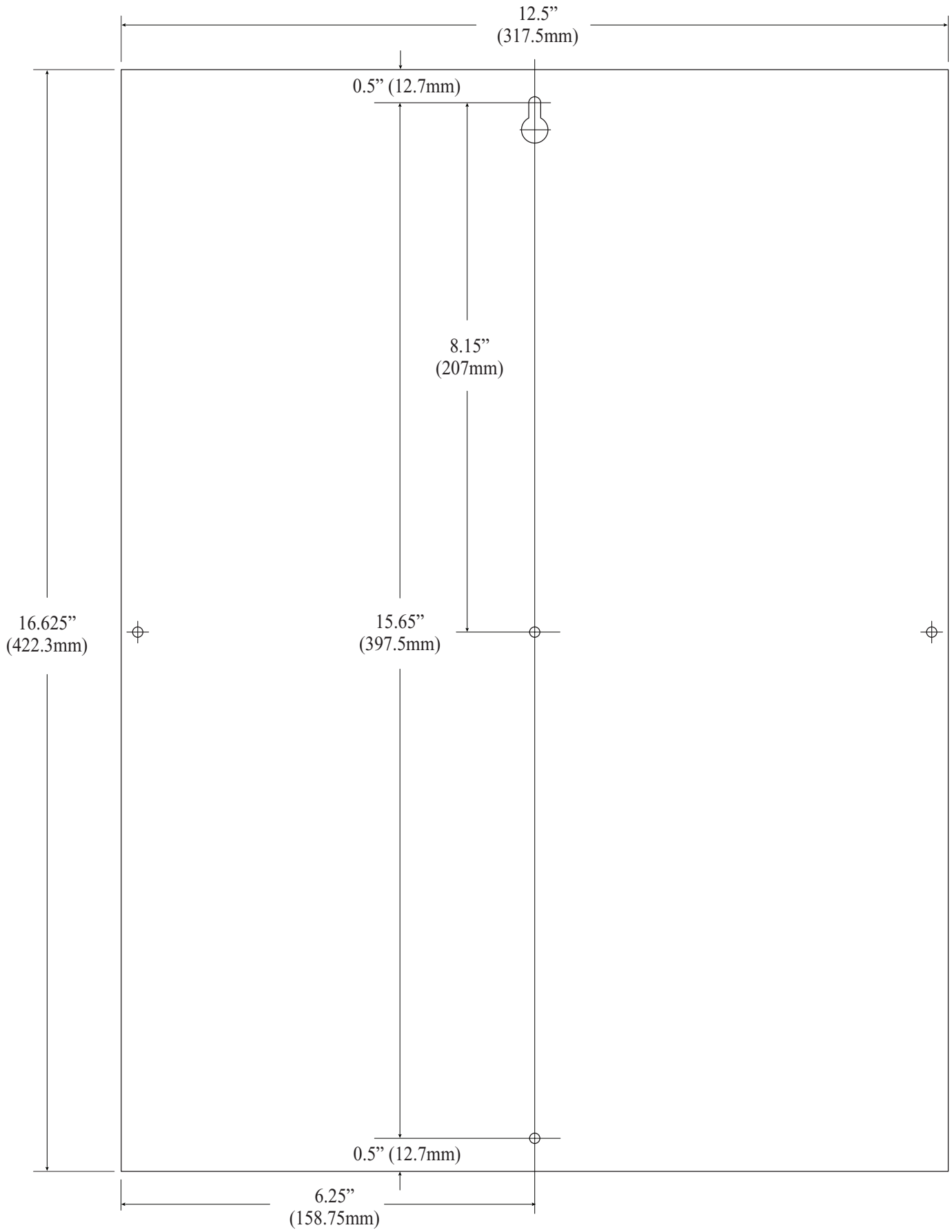
1. Fasten standoffs (provided) to pems that match the hole pattern for Altronix Power Supply/Chargers or Altronix Sub-Assembly boards (Fig. 3, pg. 4). Fasten metal standoffs in the correct locations to provide proper grounding, see below (Fig. 3, pg. 4).
Note: each Altronix sub-assembly position can accommodate one (1) ACM8/ACM8CB, PD4UL/PD4ULCB, PD8UL/PD8ULCB, MOM5, PDS8(CB) or VR6.
2. Mount boards to standoffs utilizing 5/16" pan head screws (provided) (Fig. 3, 3a, pg. 4).
3. Mount DMP 734/734N modules into the correct positions (Fig. 3, pg. 4):
 - a. fasten standoffs to appropriate pems on the backplane (Fig. 3, 3b, pg. 4).
 - b. remove DMP 734/734N board from the plastic housing.
 Use the base part of the housing to mount onto TDM2 (Fig. 3b, pg. 4).
 - c. secure the base of DMP 734/734N to the standoffs using provided 5/16" pan head screws.
 - d. make all necessary connections before reassembling DMP 734/734N Wiegand.
4. Fasten TDM2 backplane to Trove2 enclosure utilizing pan head screws (provided).

Fig. 3 - Trove2DM2/TDM2 Configurations

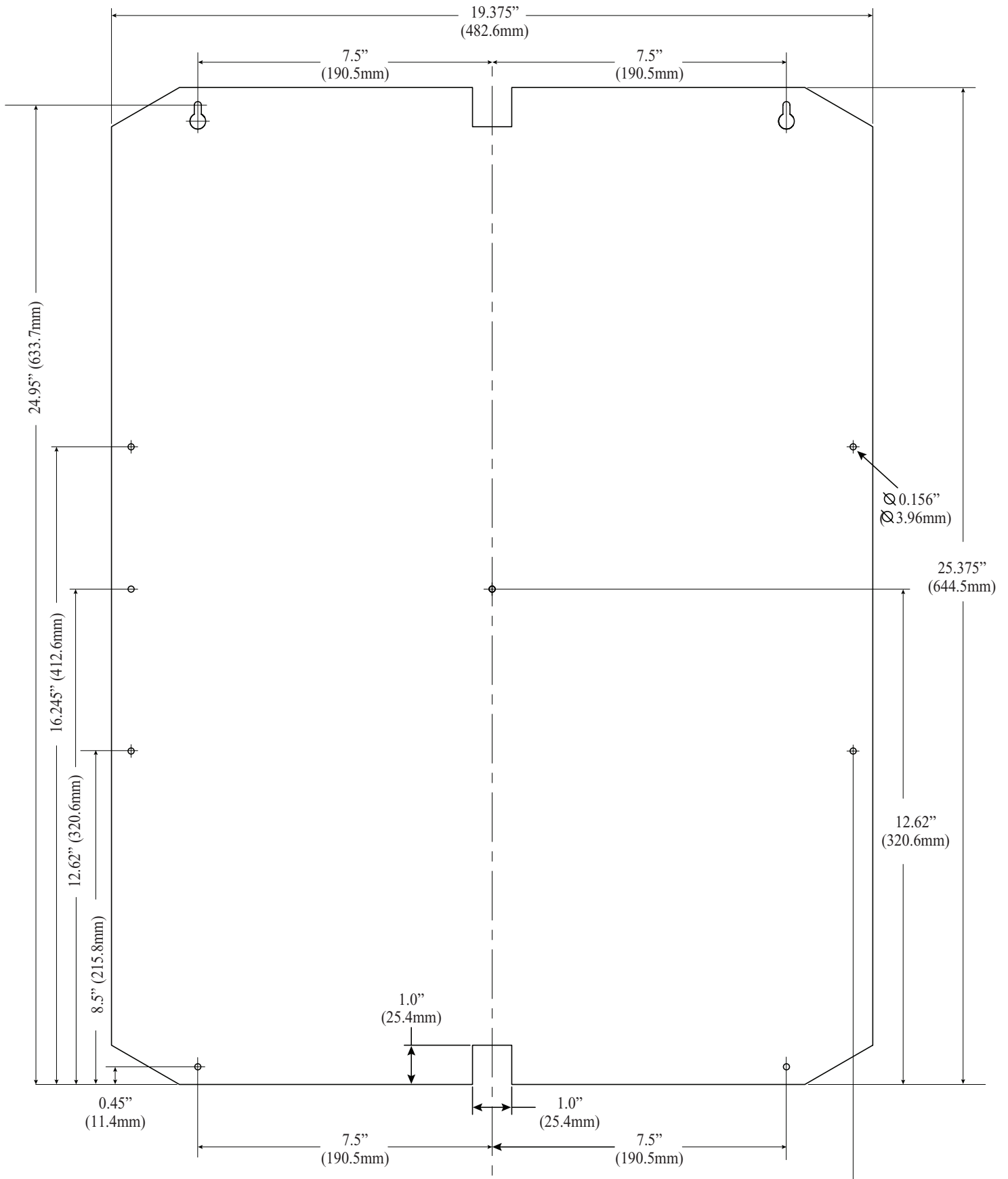


TDM1 Dimensions

16.625" x 12.5" x 0.3125" (422.3mm x 317.5mm x 7.9mm)

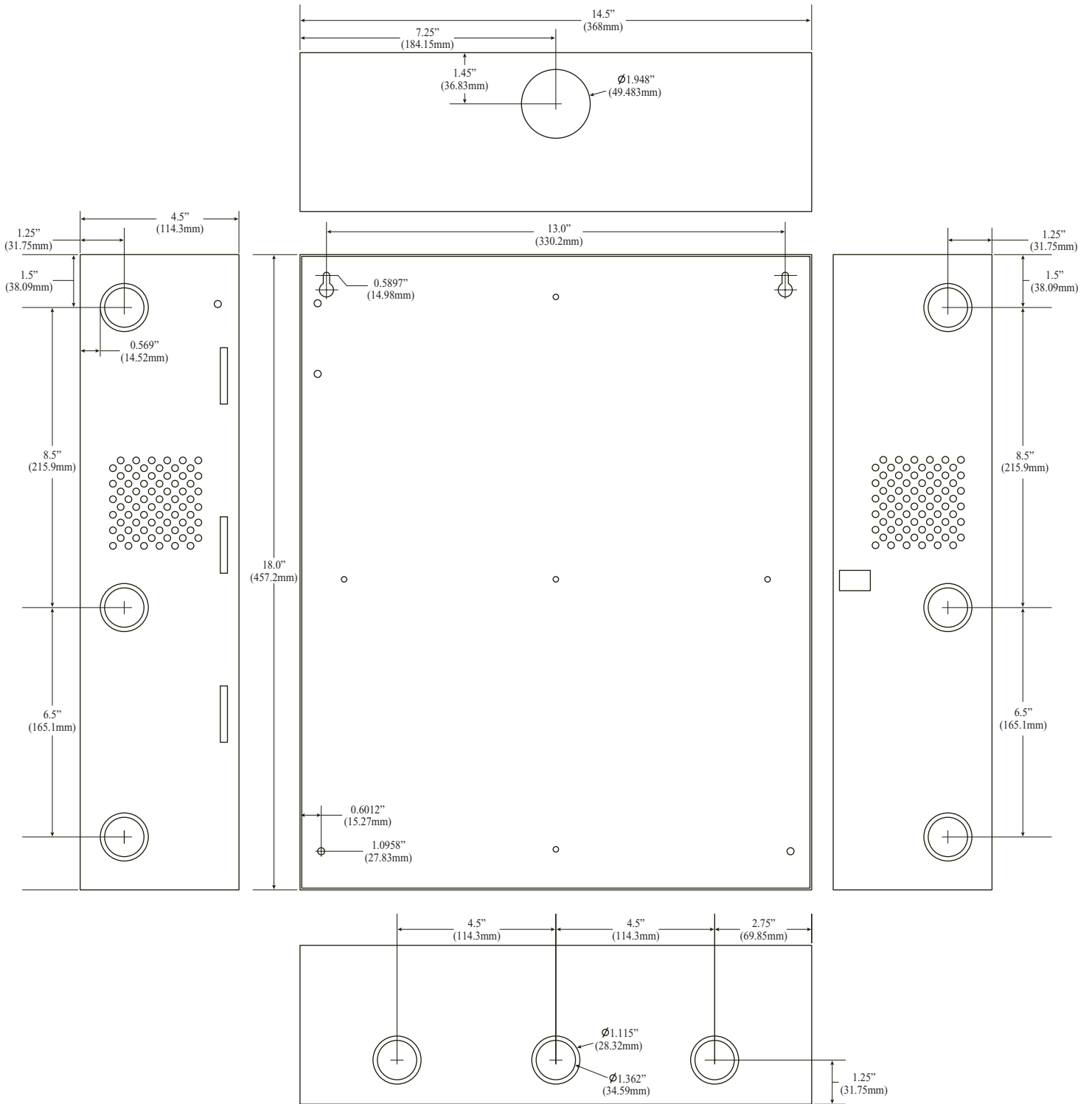


TDM2 Dimensions
 25.375" x 19.375" x 0.325" (644.5mm x 482.6mm x 8.3mm)

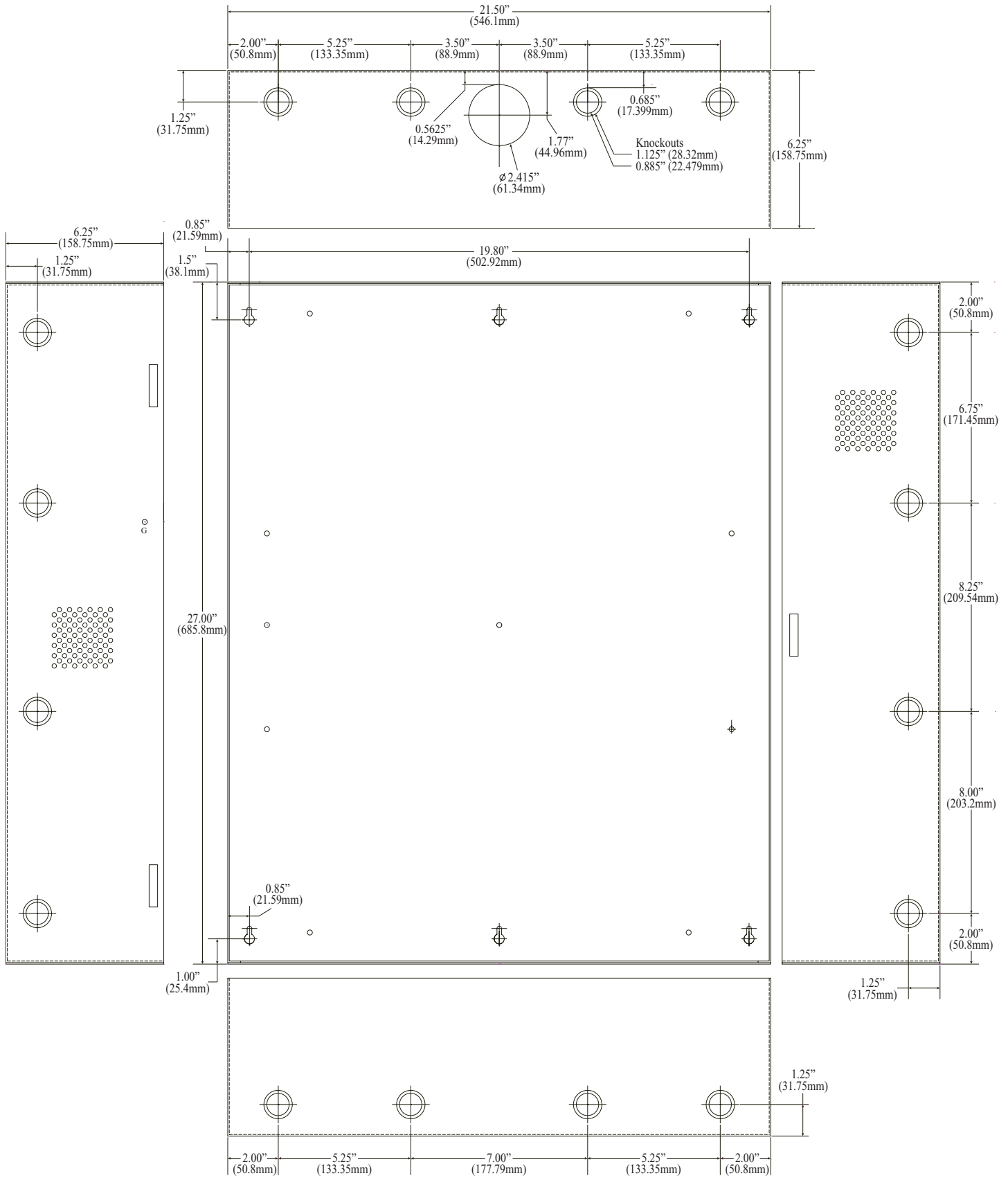


Trove1DM1 Enclosure Dimensions (H x W x D):

18" x 14.5" x 4.625" (457mm x 368mm x 118mm)



Trove2DM2 Enclosure Dimensions (H x W x D):
 27.25" x 21.75" x 6.5" (692.2mm x 552.5mm x 165.1mm)



Altronix is not responsible for any typographical errors.

140 58th Street, Brooklyn, New York 11220 USA | phone: 718-567-8181 | fax: 718-567-9056
 web site: www.altronix.com | e-mail: info@altronix.com | Made in U.S.A.
 ITrove1DM1 / TDM1 / Trove2DM2 / TDM2

A16S



Trove1DM1 / TDM1 / Trove2DM2 / TDM2