TROVE™

Access & Power Integration

Trove2AX2

- Trove2 enclosure with Altronix/Axis Communications backplane (TAX2)

TAX2

- Altronix/Axis Communications backplane only

Trove3AX3

- Trove3 enclosure with Altronix/Axis Communications backplane (TSS3)

TSS3

- Altronix/Axis Communications backplane only

Installation Guide

SECURITY UL LISTED SECURITY cUL LISTED SIGNALING UL LISTED CE

Altronix®

More than just power.™

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Rev. TroveAX_110425

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Trove2AX2 and Trove3AX3 accommodate various combinations of Axis Communications door controllers with or without Altronix power supplies and accessories for access systems.

Specifications:

- 16 Gauge backplanes and enclosures with ample knockouts for convenient access.

Trove2AX2

Trove2 enclosure with TAX2 Altronix/Axis Communications backplane.

- Includes: tamper switch, cam lock, lock nuts, mounting hardware and DIN Rails for mounting Axis Communications controllers.

Enclosure Dimensions (H x W x D):
27.25" x 21.75" x 6.5" (692.2mm x 552.5mm x 165.1mm).
Accommodates up to four (4) 12VDC/7AH batteries.

TAX2

TAX2 Altronix/Axis Communications 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).

TAX2 accommodates a combination of the following:

- **Altronix Modules:**
- Up to three (3) eFlow4NB, eFLow6NB, eFlow102NB, eFlow104NB, AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, Tango1B, PoE60, PoE201, PoE240, ACM8(CB), ACMS8(CB), ACMS12(CB), LINQ8ACM(CB)
- Up to four (4) ACM4(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), PDS16(CB), VR6 or VR10.
- One (1) NetWay4EBTB, NetWaySP3B, NetWaySP4B or NetWaySP8B
- **Axis Communications Modules:**
- Up to four (4) Axis 1610 or Axis 1610-B (mounted onto DIN Rail).
- Up to eight (8) Axis 1210 or Axis 1210-B.
- One (1) Axis 1710-B and one Axis (1) 1810-B.

Trove3AX3

Trove3 enclosure with TSS3 Altronix/Axis Communications backplane.

- Includes: two (2) tamper switches, cam lock, lock nuts, mounting hardware and DIN Rails for mounting Axis Communications controllers.

Enclosure Dimensions (H x W x D):
36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm).
Accommodates up to four (4) 12VDC/12AH batteries.

TSS3

TSS3 Altronix/Axis Communications backplane.

- Includes mounting hardware.

Dimensions (H x W x D):
34" x 28" x 0.3125" (863.6mm x 711.2mm x 7.9mm).

TSS3 accommodates a combination of the following:

- **Altronix Modules:**
- Up to five (5) eFlow4NB, eFLow6NB, eFlow102NB, eFlow104NB, AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, Tango1B, PoE60, PoE201, PoE240, PoE360 ACM8(CB), ACMS8(CB), ACMS12(CB), LINQ8ACM(CB)
- Up to six (6) ACM4(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), PDS16(CB), VR6 or VR10.
- **Axis Communications Modules:**
- Up to three (3) Axis 1810-B or
- Up to two (2) Axis 1810-B and one (1) Axis 1710-B.

Agency Listings:

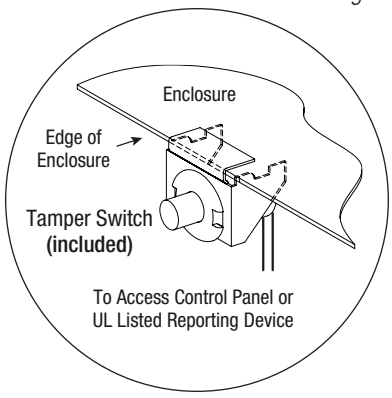
- UL 294 - 6th edition: Line Security I, Destructive Attack I, Endurance IV, Stand-by Power II*. *Stand-by Power Level I if no battery is supplied.
- This Class B digital apparatus complies with Canadian ICES-003.
  Cet appareil numérique de la classe B est conforme á la norme NMB-003 du Canada.
- CE European Conformity.

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. Mark and predrill holes in 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. 2)*. 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/Axis Communications boards to backplane, *refer to pages 3-4.*

Fig. 1



Hardware:

Nylon or Metal Spacer | 5/16" Pan Head Screw

Installation Instructions for Altronix Power Supplies, Sub-Assemblies and Axis Communications Controllers to TAX2:

1. Fasten spacers (included) to pems that match the hole pattern for Altronix Power Supply/Chargers or Altronix Sub-Assembly boards *(Fig. 2, pg. 3)*.
   Fasten metal spacers in the correct locations to provide proper grounding, see below *(Fig. 2, pg. 3)*.
   Fasten spacers (provided) to pems that match the hole pattern for DIN Rail.
2. Mount Altronix and Axis 1210, Axis 1710B and Axis 1810B boards to spacers utilizing 5/16" pan head screws (included) *(Fig. 2, 2a, pg. 3)*.
   Mount Axis 1601, Axis 1610 onto DIN Rail according to their Installation Guides.

Altronix	**Pem Mounting**
eFlow4NB, eFLow6NB, eFlow102NB, eFlow104NB, AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, Tango1B, PoE60, PoE201, PoE240, ACM8(CB), ACMS8(CB), ACMS12(CB), LINQ8ACM(CB)	A
ACM4(CB), PD4UL(CB), PD8UL(CB), MOM5, NetWay5A, PDS8(CB), PDS16(CB), LINQ8PD(CB), VR6	B
NetWay4EBTB, NetWaySP3B, NetWaySP4B, NetWaySP8B	C
Axis Communications	
Axis 1610, Axis 1610-B (mounted onto DIN Rail)	D
Axis 1210, Axis 1210-B	E
Axis 1710-B	F
Axis 1810-B	G

Fig. 2 - **Trove2AX2/TAX2 Configurations**

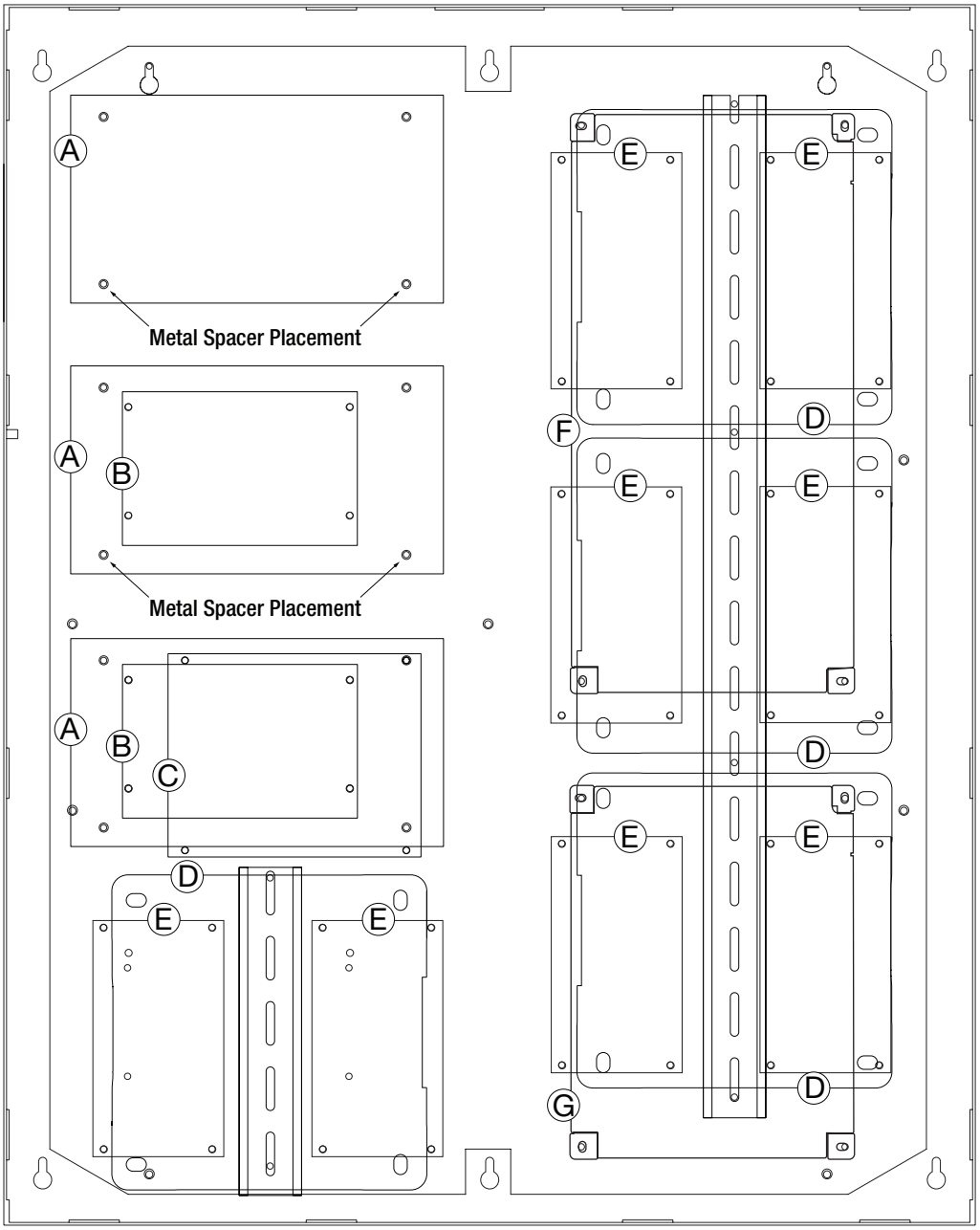
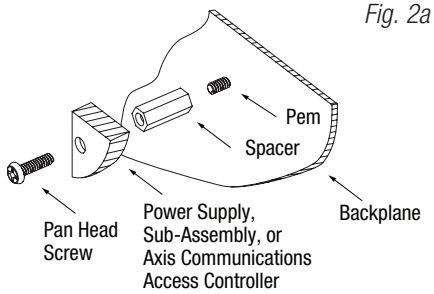


Fig. 2a



Installation Instructions for Altronix Power Supplies, Sub-Assemblies and Axis Communications Controllers to TSS3:

1. Fasten spacers (included) to pems that match the hole pattern for Altronix Power Supply/Chargers or Altronix Sub-Assembly boards *(Fig. 2, pg. 3)*. Fasten metal spacers in the correct locations to provide proper grounding, see below *(Fig. 3, pg. 4)*.
2. Mount Altronix boards to spacers utilizing 5/16" pan head screws (included) *(Fig. 3, 3a, pg. 4)*.

Altronix	Pem Mounting
eFlow4NB, eFLow6NB, eFlow102NB, eFlow104NB, AL400ULXB2, AL600ULXB, AL1012ULXB, AL1024ULXB2, Tango1B, PoE60, PoE201, PoE240, ACM8(CB), ACMS8(CB), ACMS12(CB), LINQ8ACM(CB)	A
ACM4(CB), PD4UL(CB), PD8UL(CB), MOM5, NetWay5A, PDS8(CB), PDS16(CB), LINQ8PD(CB), VR6	B
Axis Communications	
Axis 1810-B	C
Axis 1710-B	D

Fig. 3 - **Trove3AX3/TSS3 Configurations**

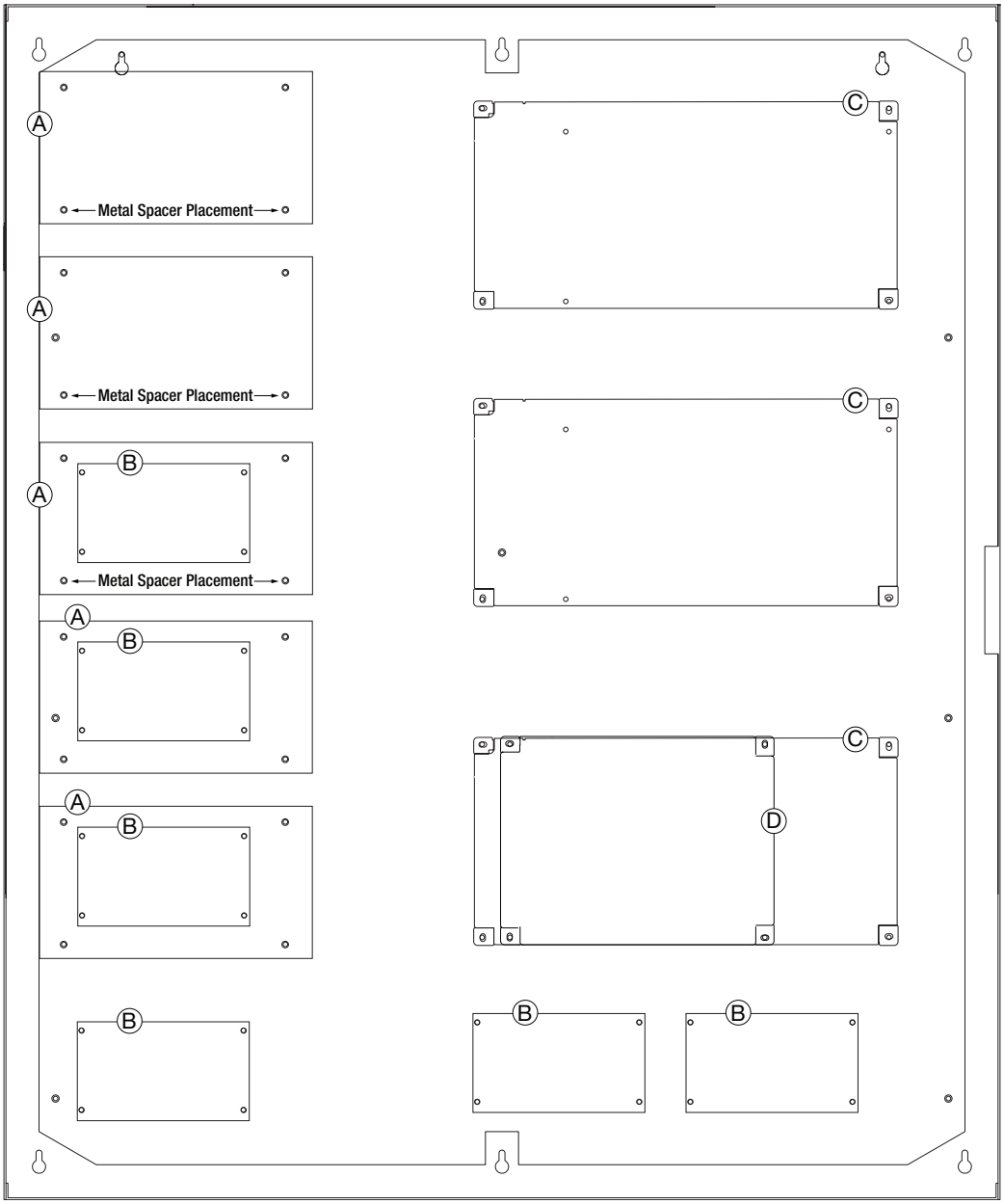
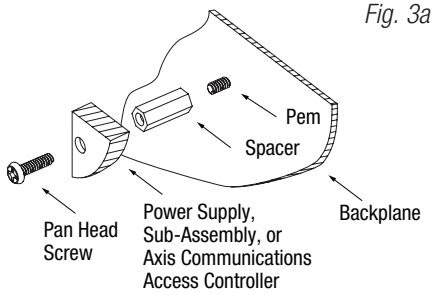
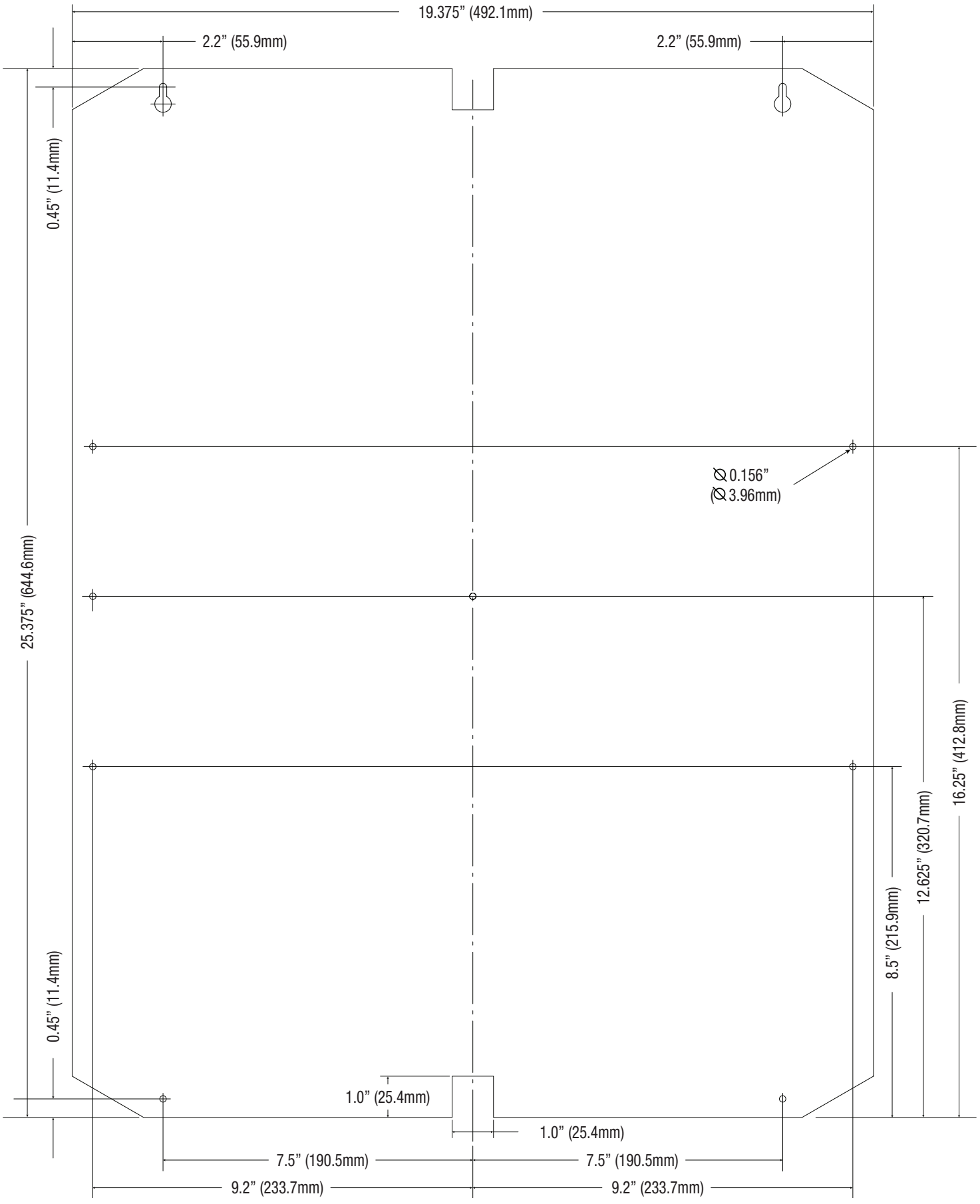


Fig. 3a



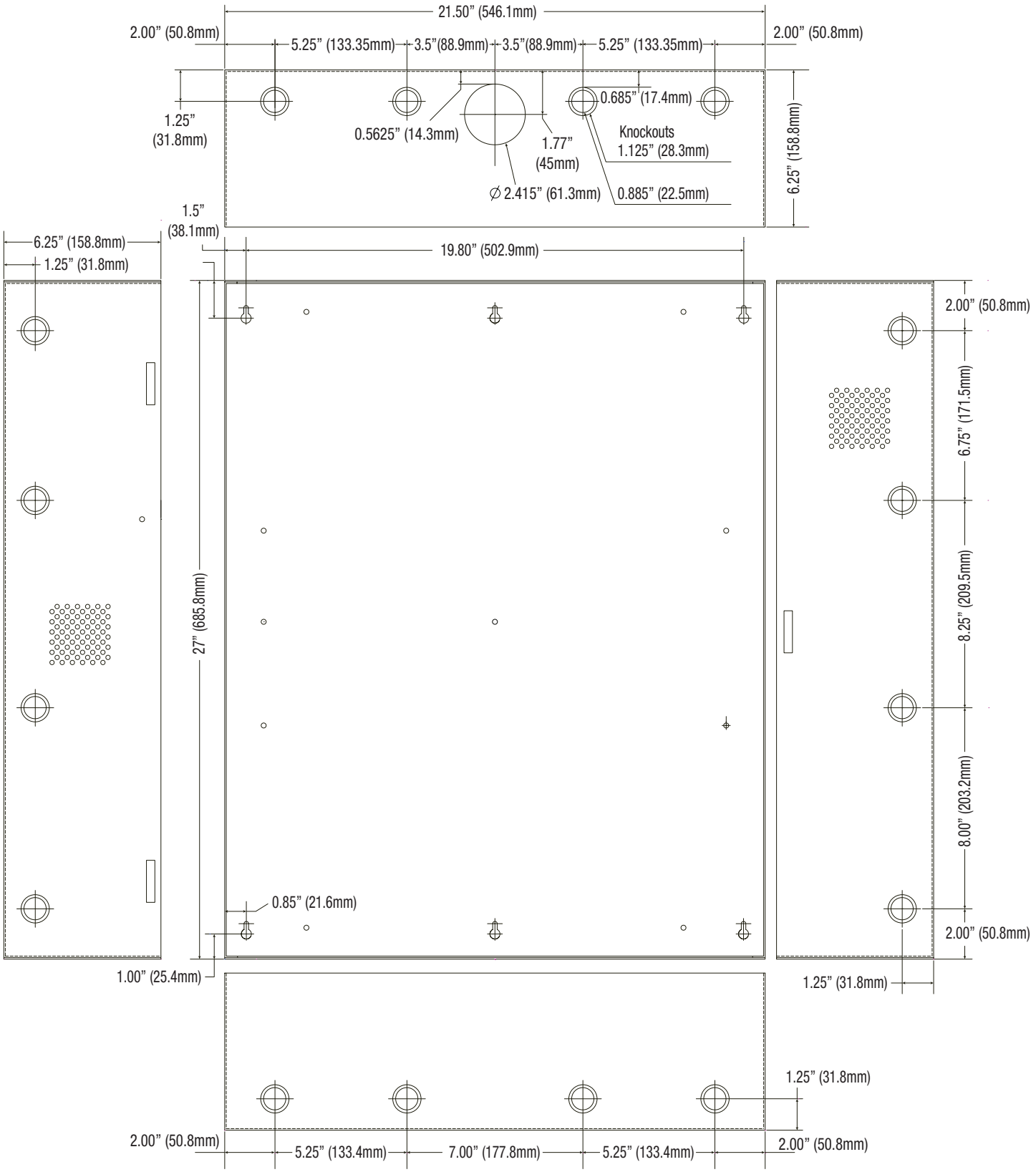
TAX2 Dimensions (H x W x D)**:**

25.375” x 19.375” x 0.325” (644.5mm x 482.6mm x 8.3mm)



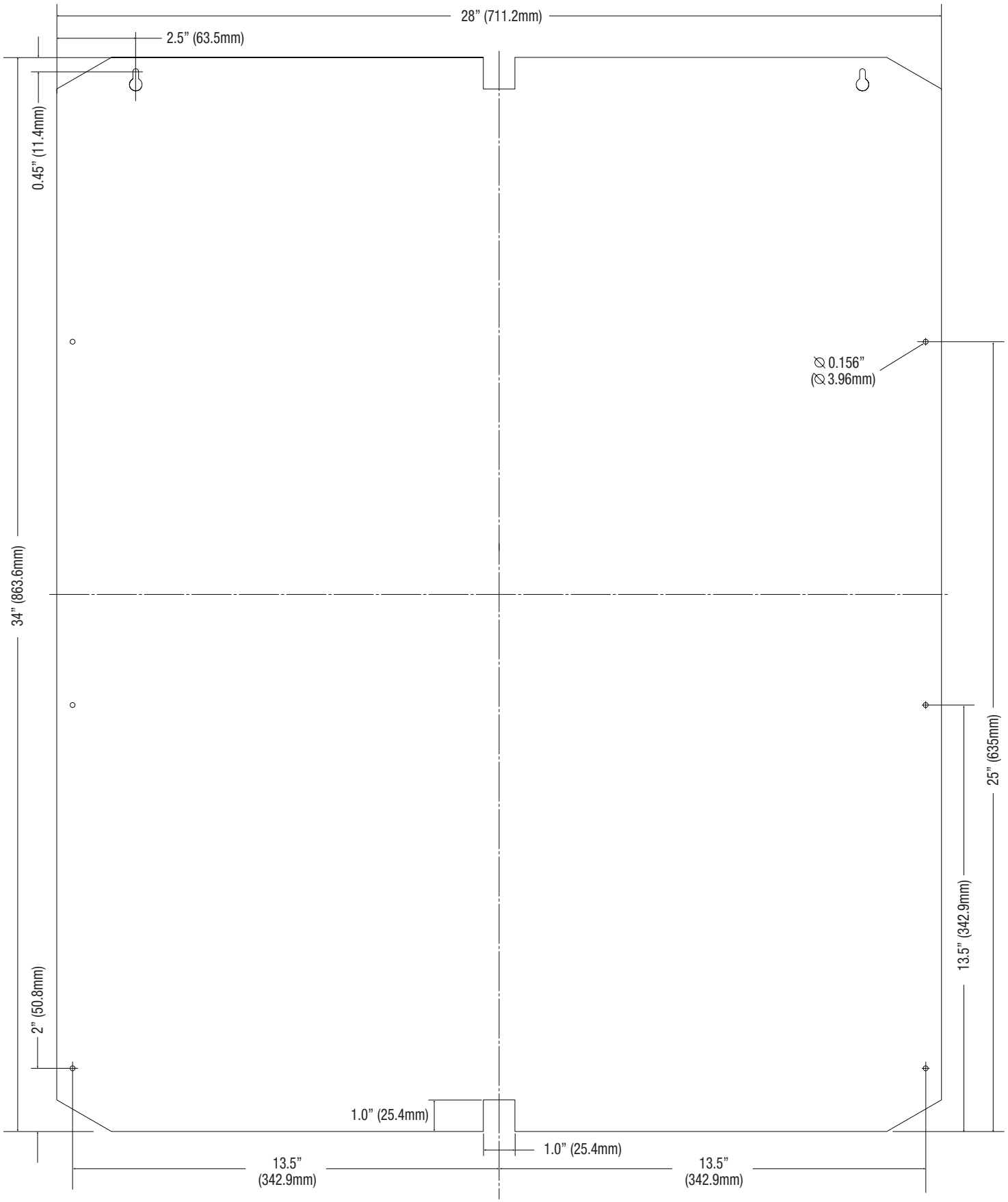
Trove2AX2 Enclosure Dimensions (H x W x D)**:**

27.25” x 21.75” x 6.5” (692.2mm x 552.5mm x 165.1mm)



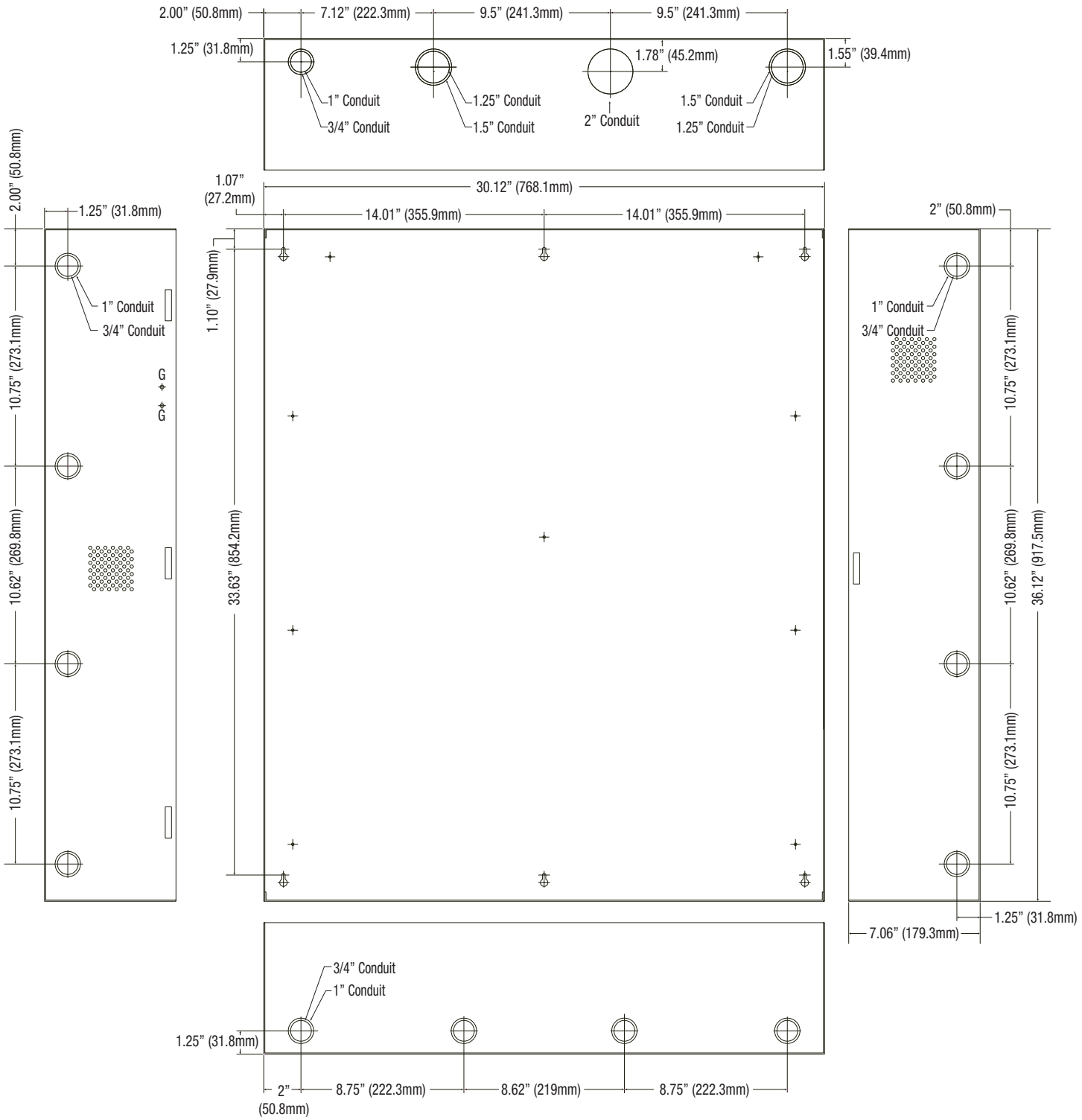
TSS3 Dimensions (H x W x D)**:**

34” x 28” x 0.3125” (863.6mm x 711.2mm x 7.9mm)



Trove3 Enclosure Dimensions (H x W x D approximate)**:**

36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)



Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

140 58th Street, Brooklyn, New York 11220 USA | phone: 718-567-8181 | fax: 718-567-9056
website: www.altronix.com | e-mail: info@altronix.com | Lifetime Warranty