



Access & Power Integration

## Altronix/Brivo Kits

### Models Include:

#### **T1BV34SD**

4 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove1 enclosure with TBV1 Altronix/Brivo backplane
- One (1) AL600ULXB - Power Supply/Charger
- One (1) ACM4CB - PTC Access Power Controller
- One (1) VR6 - Voltage Regulator

#### **T2BV78SD**

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TBV2 Altronix/Brivo backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) ACMS8CB - Dual Input PTC Access Power Controller
- One (1) PDS8CB - Dual Input PTC Power Distribution Module
- One (1) VR6 - Voltage Regulator

#### **T2BV778SD**

8 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TBV2 Altronix/Brivo backplane
- Two (2) AL1024ULXB2 - Power Supply/Chargers
- One (1) ACMS8CB - Dual Input PTC Access Power Controller
- One (1) PDS8CB - Dual Input PTC Power Distribution Module
- Two (2) VR6 - Voltage Regulators

#### **T3BV7716SD**

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove3 enclosure with TBV3 Altronix/Brivo backplane
- Two (2) AL1024ULXB2 - Power Supply/Chargers
- Two (2) ACMS8CB - Dual Input PTC Access Power Controllers
- Two (2) PDS8CB - Dual Input PTC Power Distribution Modules
- Two (2) VR6 - Voltage Regulators
- One (1) RSB2 - Rocker Switch Bracket with  
Two (2) Rocker Switches (Not evaluated by UL)

All components of these Trove kits are UL Listed sub-assemblies.

Please refer to the included corresponding Sub-Assembly Installation Guides for further information.

## Installation Guide



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Rev. TBVDK\_081023

Installing Company: \_\_\_\_\_ Service Rep. Name: \_\_\_\_\_

Address: \_\_\_\_\_ Phone #: \_\_\_\_\_

## Overview:

Altronix/Brivo Trove kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. These kits also accommodate various combinations of Brivo boards for up to sixteen (16) doors in a single enclosure.

## Configuration Chart:

Altronix Model Number	Input	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Maximum Supply Current for Main Outputs on Power Supply board and ACM4CB/ACMS8CB Access Power Controllers' outputs	Nominal DC Output Voltage Range (VDC)	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Additional PTC Protected Outputs	ACM4CB Board Input Fuse Rating	ACM4CB Board Output PTC Rating	ACMS8CB Board Input PTC Rating	ACMS8CB Board Output PTC Rating	PD8S8 Board Input PTC Rating	PD8S8 Board Output PTC Rating
T1BV34SD	115VAC 60Hz, 3.5A	5A/250V	N/A	24VDC @ 5.9A	20.17-26.4	4	–	10A/32V	2.5A	–	–	–	–
T2BV78SD	115VAC 60Hz, 4.2A	5A/250V	15A/32V	24VDC @ 9.4A	20.17-26.4	8	8	–	–	9A	2.5A	9A	2.5A
T2BV778SD	115VAC 60Hz, 8.8A	5A/250V	15A/32V	24VDC @ 9.4A + 24VDC @ 9.4A	20.17-26.4	8	8	–	–	9A	2.5A	9A	2.5A
T3BV7716SD	115VAC 60Hz, 8.8A	5A/250V	15A/32V	24VDC @ 9.4A + 24VDC @ 9.4A	20.17-26.4	16	16	–	–	9A	2.5A	9A	2.5A
					9.7-13.2								

## Installation Instructions:

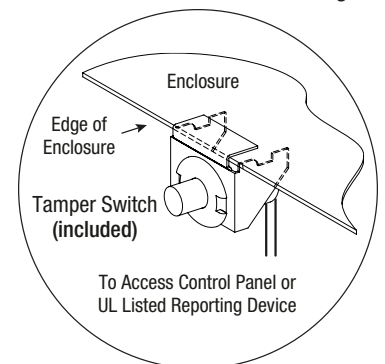
Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.

1. Remove backplane from enclosure. Do not discard hardware.

**If your application requires a raised backplane, re-mount it using metal spacers and screws (provided).**

2. Mark and predrill holes in the wall to line up with the top three keyholes in the enclosure. Install two/three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two/three upper screws; level and secure. Mark the position of the lower two/three 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.
3. Mount included UL Listed tamper switch(es) (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 Brivo boards to backplane, *refer to pages 3-6*.
5. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL600ULXB and AL1024ULXB2 and corresponding *Sub-Assembly Installation Guide* (ACM4CB, ACMS8CB, PDS8CB, VR6) for further installation instructions.

Fig. 1



## T1BV34SD: Configuration of Brivo Controls Boards:

1. Align the Brivo board on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten 4/40 - 5/8" Metal Spacers (provided) to pems that match the hole pattern for Brivo board (Fig. 2, 2a, pg. 3).

**Note:** Brivo board must be properly grounded.

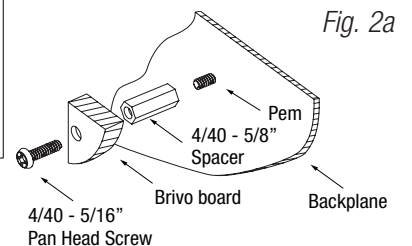
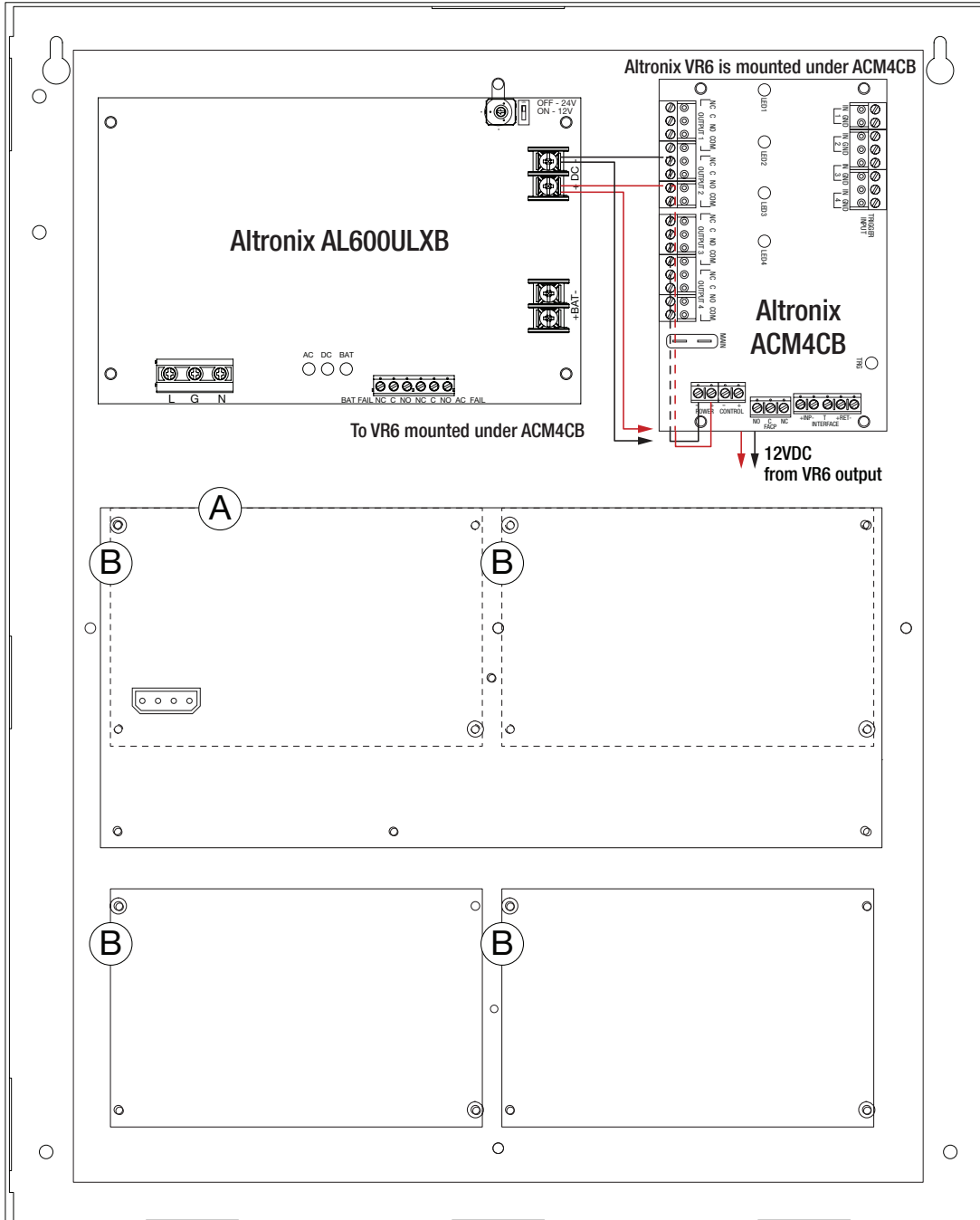
Please use provided metal spacers for the lower right mounting holes (Fig. 2, pg. 3).

3. Mount Brivo board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws (Fig. 2a, pg. 3).
4. Fasten backplane to Trove1 enclosure utilizing lock nuts (provided).

### Access Controller Position Chart for the Following Models:

Brivo Access Controller	Pem Mounting
ACS6000-MBE	(A)
ACS6100-DB, ACS6100-IO	(B)

Fig. 2 - T1BV34SD Configurations



## T2BV78SD: Configuration of Brivo Controls Boards:

1. Align the Brivo board on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten 4/40 - 5/8" Metal Spacers (provided) to pems that match the hole pattern for Brivo board (Fig. 3, 3a, pg. 4).

**Note:** Brivo board must be properly grounded.

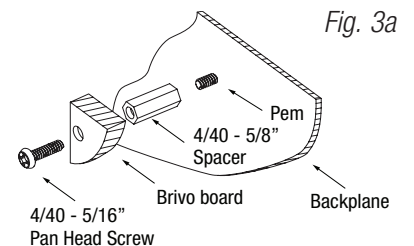
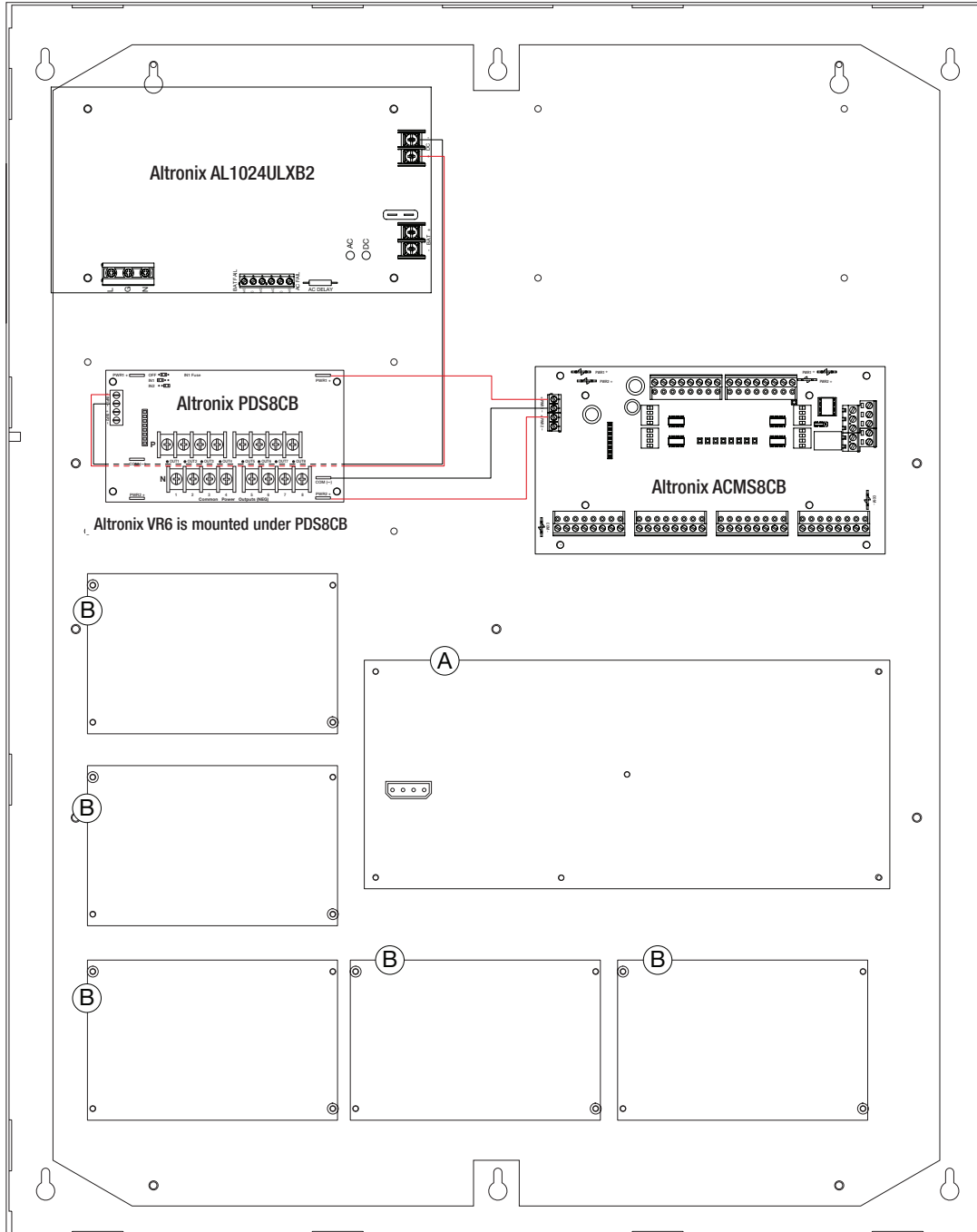
Please use provided metal spacers for the lower right mounting holes (Fig. 3, pg. 4).

3. Mount Brivo board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws (Fig. 3a, pg. 4).
4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

## Access Controller Position Chart for the Following Models:

Brivo Access Controller	Pem Mounting
ACS6000-MBE	(A)
ACS6100-DB, ACS6100-IO	(B)

Fig. 3 - T2BV78SD Configurations



## T2BV778SD: Configuration of Brivo Controls Boards:

1. Align the Brivo board on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten 4/40 - 5/8" Metal Spacers (provided) to pems that match the hole pattern for Brivo board (Fig. 4, 4a, pg. 5).

**Note:** Brivo board must be properly grounded.

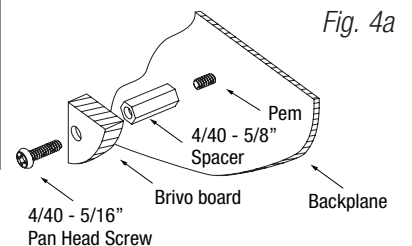
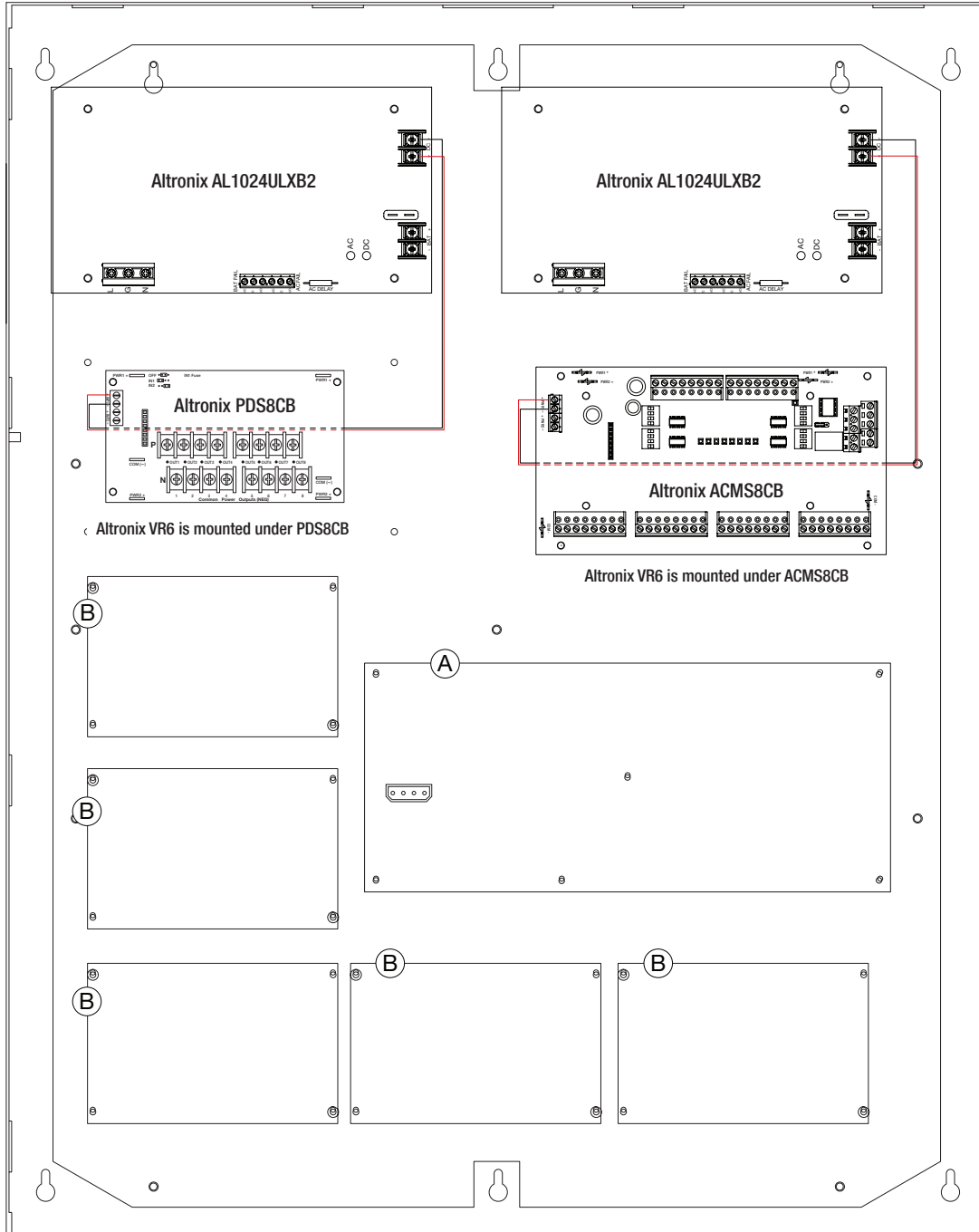
Please use provided metal spacers for the lower right mounting holes (Fig. 4, pg. 5).

3. Mount Brivo board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws (Fig. 4a, pg. 5).
4. Fasten backplane to Trove2 enclosure utilizing lock nuts (provided).

### Access Controller Position Chart for the Following Models:

Brivo Access Controller	Pem Mounting
ACS6000-MBE	(A)
ACS6100-DB, ACS6100-IO	(B)

Fig. 4 - T2BV778SD Configurations



## T3BV7716SD: Configuration of Brivo Controls Boards:

1. Align the Brivo board on the backplane to match the boards' mounting holes with corresponding pems.
2. Fasten 4/40 - 5/8" Metal Spacers (provided) to pems that match the hole pattern for Brivo board (Fig. 5, 5a, pg. 6).

**Note:** Brivo board must be properly grounded.

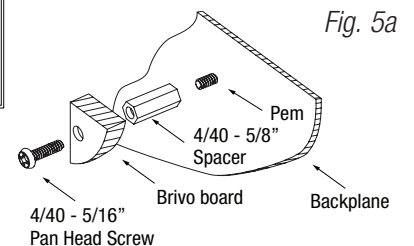
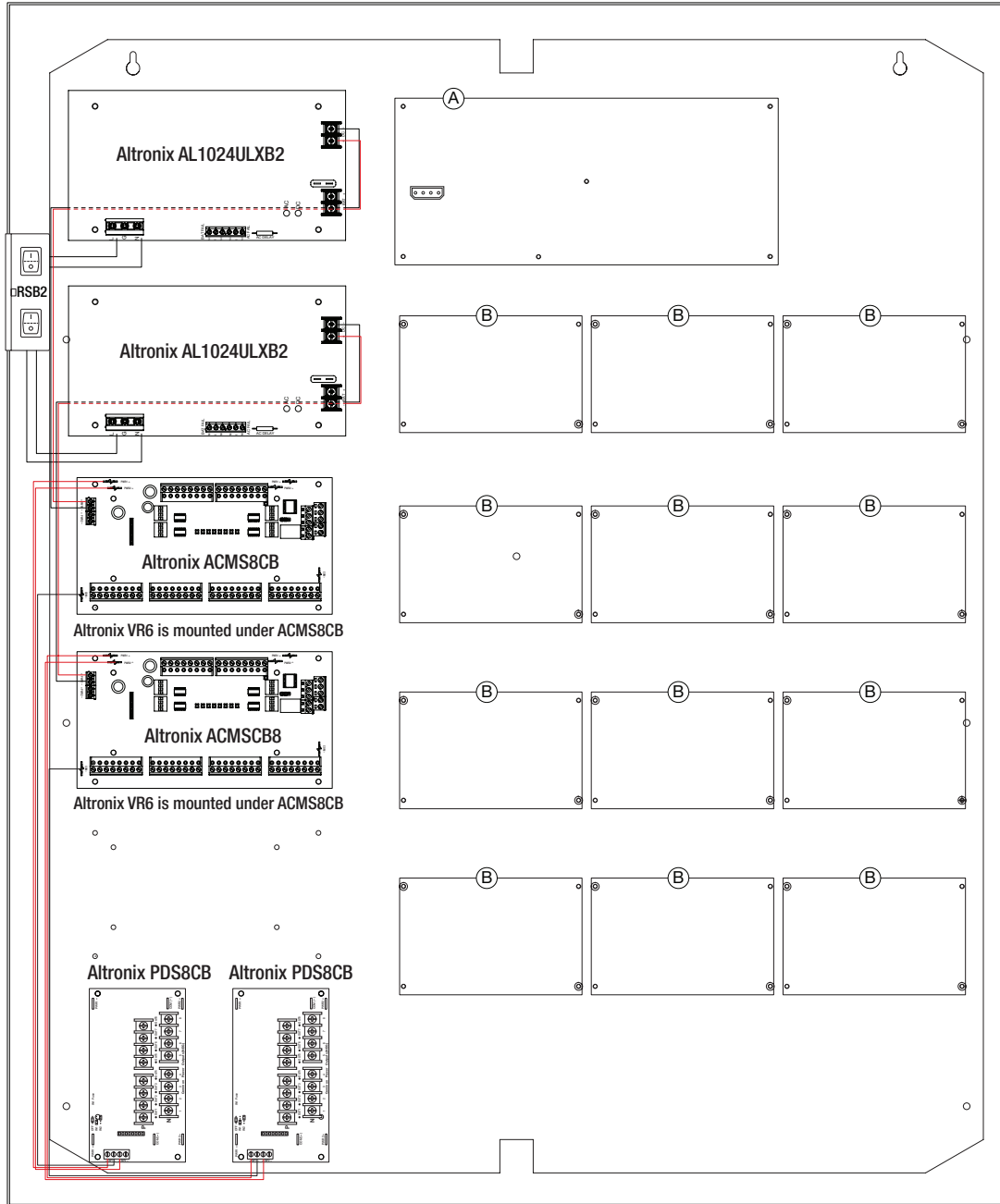
Please use provided metal spacers for the lower right mounting holes (Fig. 5, pg. 6).

3. Mount Brivo board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws (Fig. 5a, pg. 6).
4. Fasten backplane to Trove3 enclosure utilizing lock nuts (provided).

## Access Controller Position Chart for the Following Models:

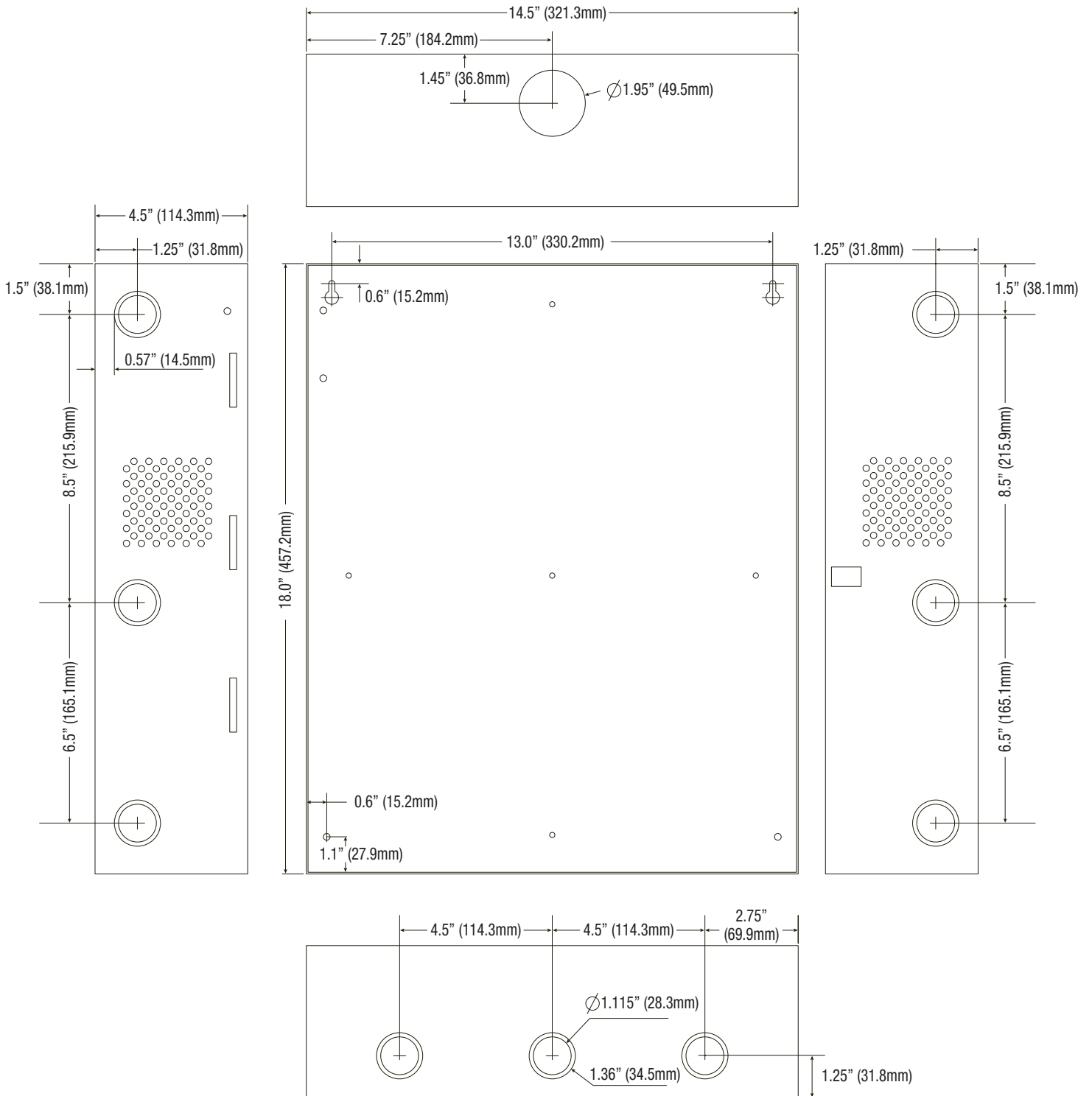
Brivo Access Controller	Pem Mounting
ACS6000-MBE	(A)
ACS6100-DB, ACS6100-IO	(B)

Fig. 5 - T3BV7716DS Configurations



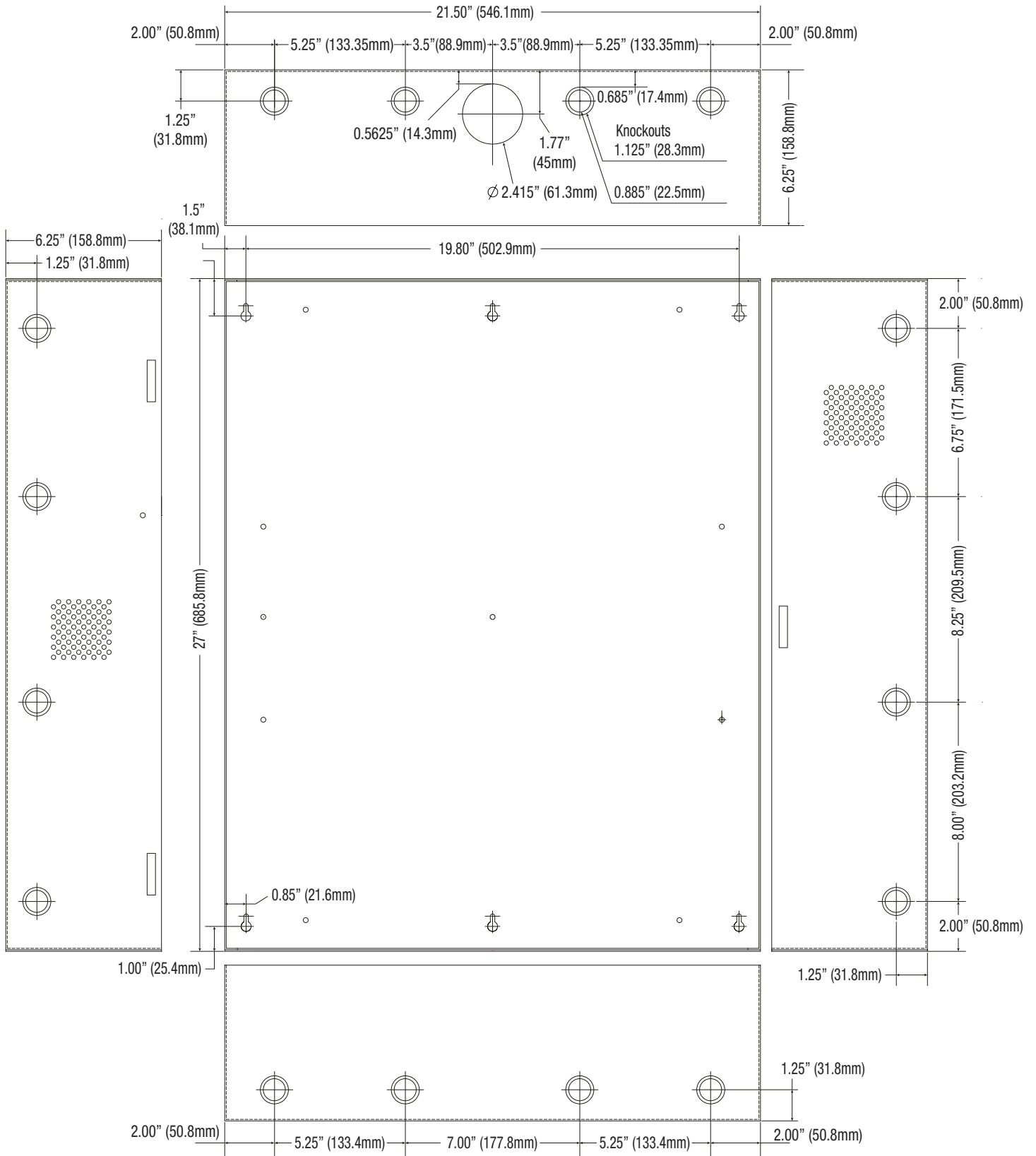
# T1BV34SD (Trove1) Enclosure Dimensions (H x W x D approximate):

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



# T2BV78SD and T2BV778SD (Trove2) Enclosure Dimensions (H x W x D approximate):

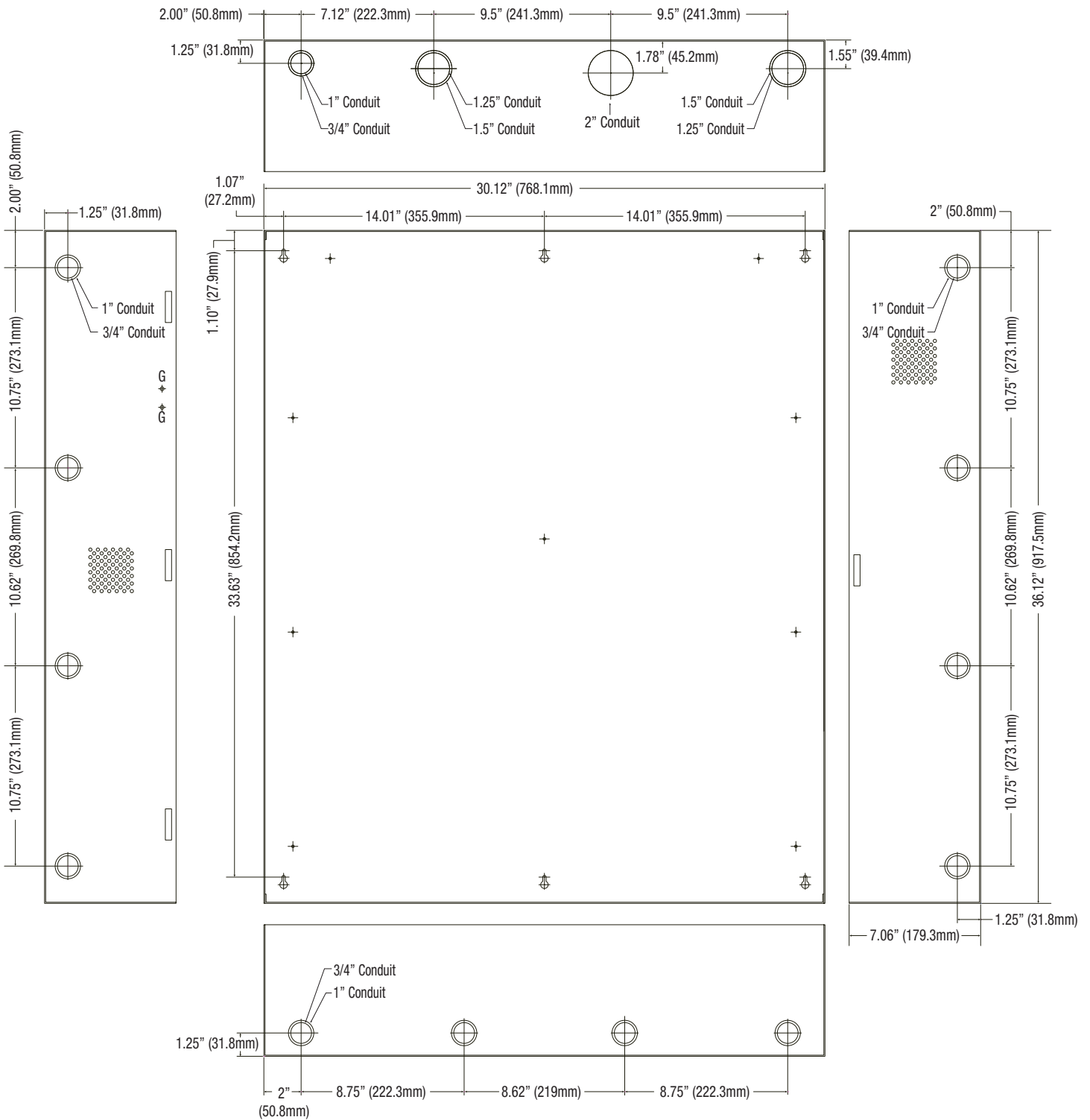
27.25" x 21.5" x 6.5" (692.2mm x 552.5mm x 165.1mm)





# T3BV7716SD (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)



## Notes:

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Brivo Inc. is not responsible for any typographical errors.

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||Trove Brivo PTC ULXB Kits

H10W