

Altronix Brivo Kits

Trove1 Kits

T1BV34S

4 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove1 enclosure with TBV1 Altronix/Brivo backplane
- One (1) AL600ULXB - Power Supply/Charger
- One (1) VR6 - Voltage Regulator
- One (1) ACM4 - Fused Access Power Controller

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) VR6 - Voltage Regulator
- One (1) ACM4CB - PTC Access Power Controller

Trove2 Kits

T2BV78S

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TBV2 Altronix/Brivo backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) VR6 - Voltage Regulator
- One (1) ACMS8 - Dual Input Fused Access Power Controller
- One (1) PDS8 - Dual Input Fused Power Distribution Module

T2BV7512S

12 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TBV2 Altronix/Brivo backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) AL1012ULXB - Power Supply/Charger
- One (1) ACMS12 - Dual Input Fused Access Power Controller
- One (1) PDS16 - Dual Input Fused Power Distribution Module
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

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

T2BV7512SD

12 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TBV2 Altronix/Brivo backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) AL1012ULXB - Power Supply/Charger
- One (1) ACMS12CB - Dual Input PTC Access Power Controller
- One (1) PDS16CB - Dual Input PTC Power Distribution Module
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

T2BV778S

8 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TBV2 Altronix/Brivo backplane
- Two (2) AL1024ULXB2 - Power Supply/Chargers
- Two (2) VR6 - Voltage Regulators
- One (1) ACMS8 - Dual Input Fused Access Power Controller
- One (1) PDS8 - Dual Input Fused Power Distribution Module

T2BV7712S

12 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TBV2 Altronix/Brivo backplane
- Two (2) AL1024ULXB2 - Power Supply/Chargers
- Two (2) VR6 - Voltage Regulators
- One (1) ACMS12 - Dual Input Fused Access Power Controller
- One (1) PDS16 - Dual Input Fused Power Distribution Module

T2BV778SD

8 Door Kit with PTC Outputs

Fully assembled kit includes:

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

T2BV7712SD

12 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TBV2 Altronix/Brivo backplane
- Two (2) AL1024ULXB2 - Power Supply/Chargers
- Two (2) VR6 - Voltage Regulators
- One (1) ACMS12CB - Dual Input PTC Access Power Controller
- One (1) PDS16CB - Dual Input PTC Power Distribution Module

Trove3 Kits

T3BV7716S

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove3 enclosure with TBV3 Altronix/Brivo backplane
- Two (2) AL1024ULXB2 - Power Supply/Chargers
- Two (2) VR6 - Voltage Regulators
- Two (2) ACMS8 - Dual Input Fused Access Power Controllers
- Two (2) PDS8 - Dual Input Fused Power Distribution Modules
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

T3BV7724S

24 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove3 enclosure with TBV3 Altronix/Brivo backplane
- Two (2) AL1024ULXB2 - Power Supply/Chargers
- Two (2) VR10 - Voltage Regulators
- Two (2) ACMS12 - Dual Input Fused Access Power Controllers
- Two (2) PDS16 - Dual Input Fused Power Distribution Modules
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

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) VR6 - Voltage Regulators
- Two (2) ACMS8CB - Dual Input PTC Access Power Controllers
- Two (2) PDS8CB - Dual Input PTC Power Distribution Modules
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

T3BV7724SD

24 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove3 enclosure with TBV3 Altronix/Brivo backplane
- Two (2) AL1024ULXB2 - Power Supply/Chargers
- Two (2) VR10 - Voltage Regulators
- Two (2) ACMS12CB - Dual Input PTC Access Power Controllers
- Two (2) PDS16CB - Dual Input PTC Power Distribution Modules
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches

Installation Guide

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

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Rev. TBVLK_100325

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 Access Power Controllers' outputs	Fail-Safe/ Fail-Secure Outputs	Additional Fuse (PTC) Protected Outputs	Access Power Controller Board's Input Fuse (PTC) Rating	Access Power Controller Board's Output Fuse (PTC) Rating	Power Distribution Board's Input Fuse (PTC) Rating	Power Distribution Board's Input Fuse (PTC) Rating
T1BV34S	115VAC 60Hz, 3.5A	5A/250V	N/A	24VDC @ 5.9A	4	-	10A/32V	3A/32V	-	-
T1BV34SD							9A	2.5A		
T2BV78S	115VAC 60Hz, 4.2A	5A/250V	15A/32V	24VDC @ 9.4A	8	8	15A/32V	3A/32V	10A/32V	3A/32V
T2BV78SD							9A	2.5A	9A	2.5A
T2BV778S	115VAC 60Hz, 8.4A	5A/250V	15A/32V	24VDC @ 9.4A	8	8	15A/32V	3A/32V	10A/32V	3A/32V
T2BV778SD				+ 24VDC @ 9.4A			9A	2.5A	9A	2.5A
T2BV7512S	115VAC 60Hz, 6.8A	5A/250V	15A/32V	24VDC @ 9.4A	12	16	15A/32V	3A/32V	10A/32V	3A/32V
T2BV7512SD				+ 12VDC @ 9.7A			9A	2.5A	9A	2.5A
T2BV7712S	115VAC 60Hz, 8.4A	5A/250V	15A/32V	24VDC @ 9.4A	12	16	15A/32V	3A/32V	10A/32V	3A/32V
T2BV7712SD				+ 24VDC @ 9.4A			9A	2.5A	9A	2.5A
T3BV7716S	115VAC 60Hz, 8.4A	5A/250V	15A/32V	24VDC @ 9.4A	16	16	15A/32V	3A/32V	10A/32V	3A/32V
T3BV7716SD				+ 24VDC @ 9.4A			9A	2.5A	9A	2.5A
T3BV7724S	115VAC 60Hz, 8.4A	5A/250V	15A/32V	24VDC @ 9.4A	24	32	15A/32V	3A/32V	10A/32V	3A/32V
T3BV7724SD				+ 24VDC @ 9.4A			9A	2.5A	9A	2.5A

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. Connect unswitched AC power (115VAC 60Hz) to terminals marked [L, N]. Use 14 AWG or larger for all power connections. Secure green wire lead to earth ground. Green "AC" LED on power supply board will turn on. This light can be seen through the LED lens on the door of the enclosure.

Keep power-limited wiring separate from non power-limited wiring (115VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.

CAUTION: Do not touch exposed metal parts. Shut branch circuit power before installing or servicing equipment.

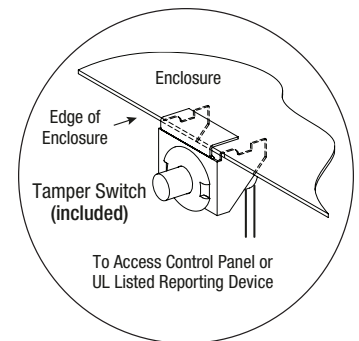
There are no user serviceable parts inside. Refer installation and servicing to qualified service personnel.

5. Measure voltage before connecting devices. This helps avoiding potential damage.

6. Mount Brivo boards to backplane, refer to pages 3-9.

7. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL600ULXB, AL1012ULXB and AL1024ULXB2 and corresponding *Sub-Assembly Installation Guide* (ACM4(CB), ACMS8(CB), ACMS12(CB) PDS8(CB), VR6, VR10) for further installation instructions.

Fig. 1



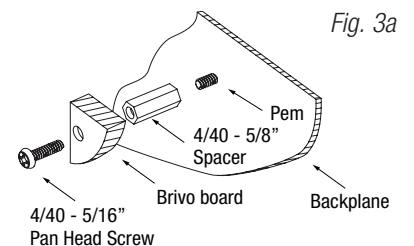
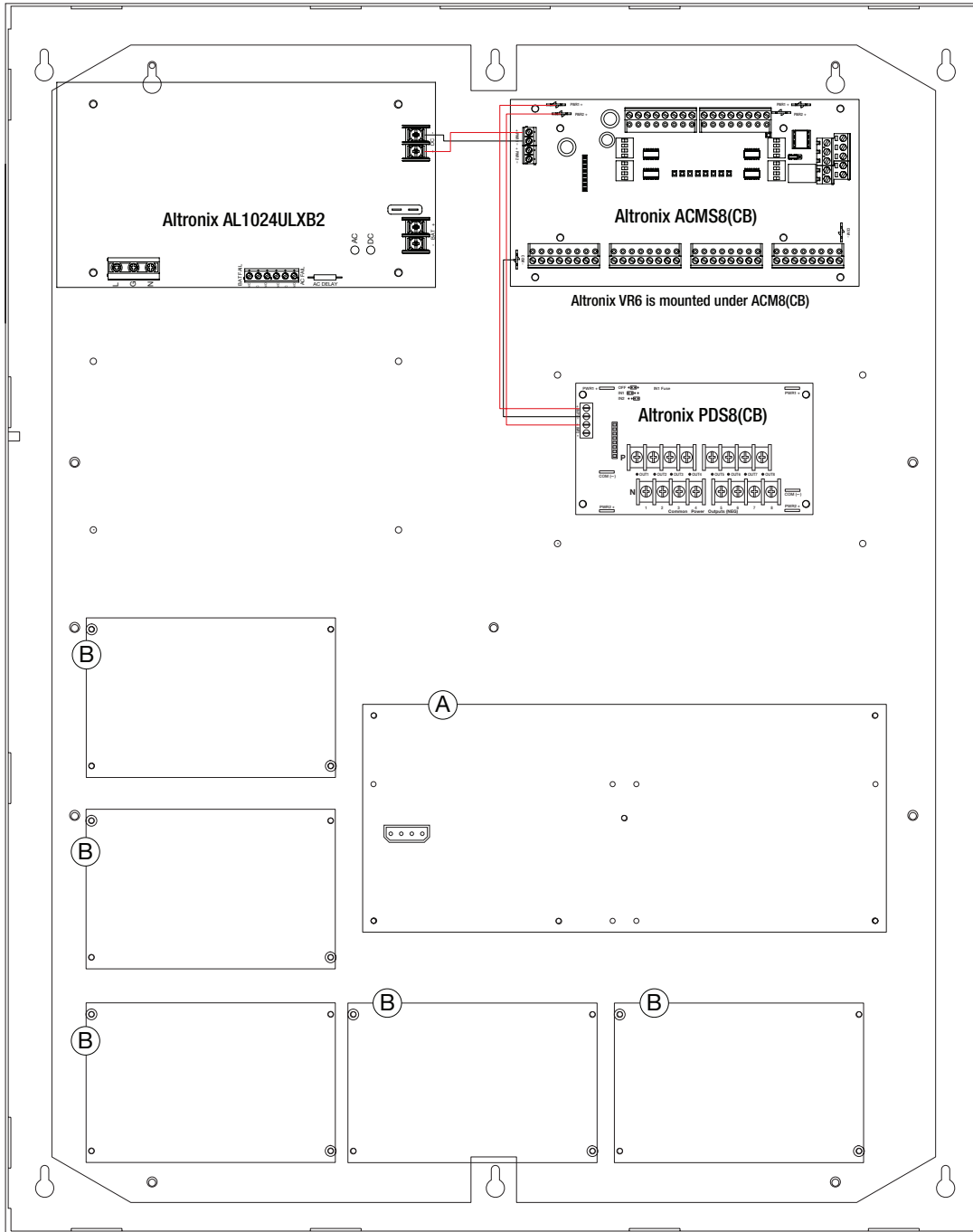
T2BV78S and T2BV78SD: Configuration of Brivo Controls Boards:

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 - T2BV78S(D) Configurations



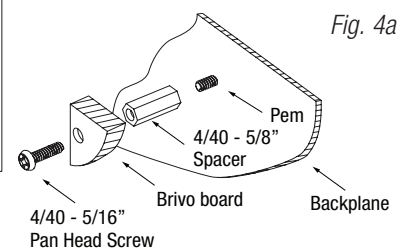
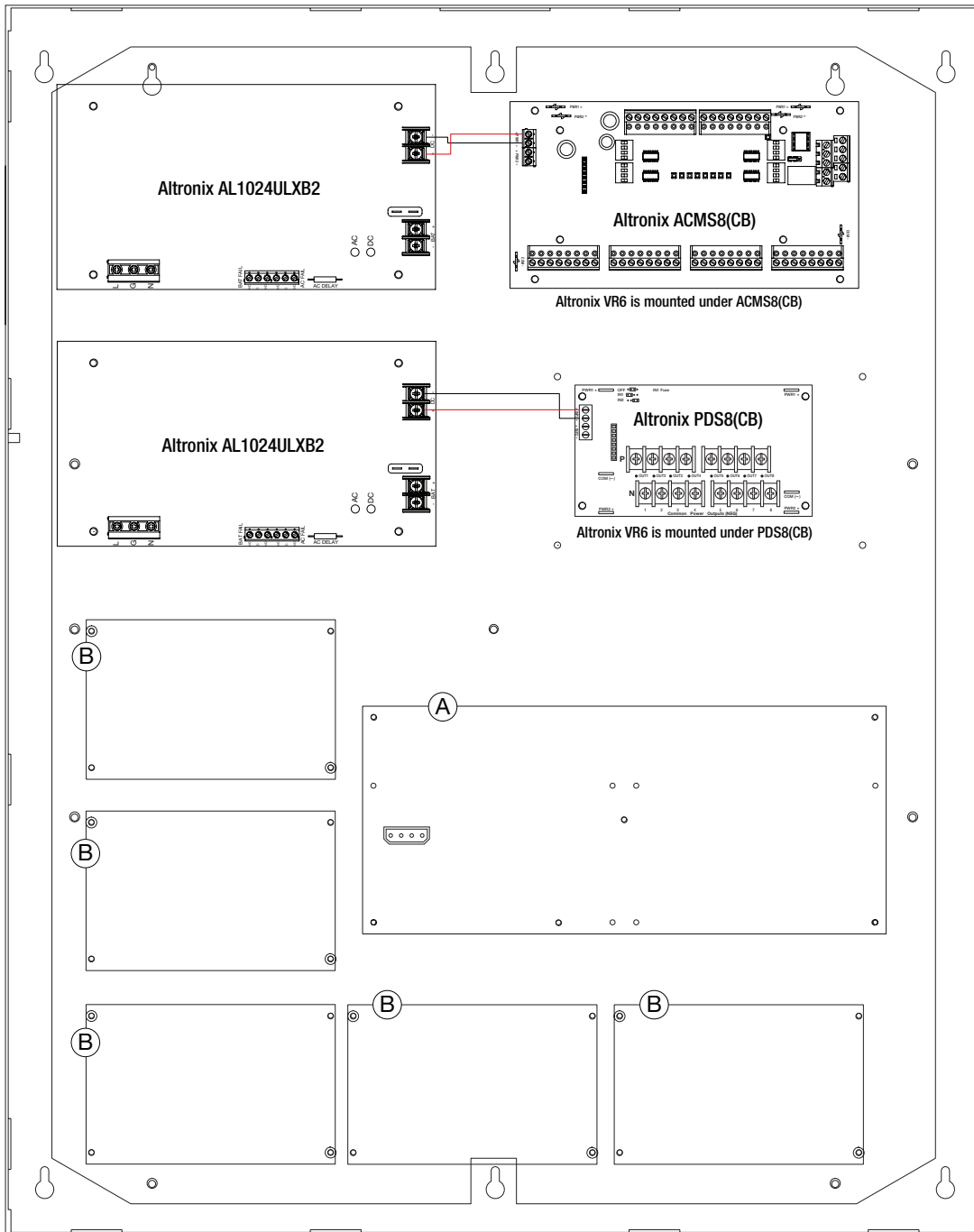
T2BV778S and T2BV778SD: Configuration of Brivo Controls Boards:

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 - T2BV778S(D) Configurations



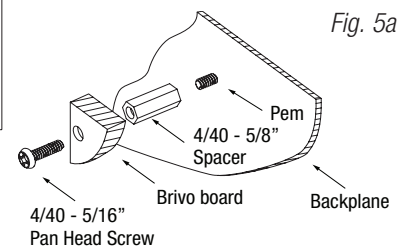
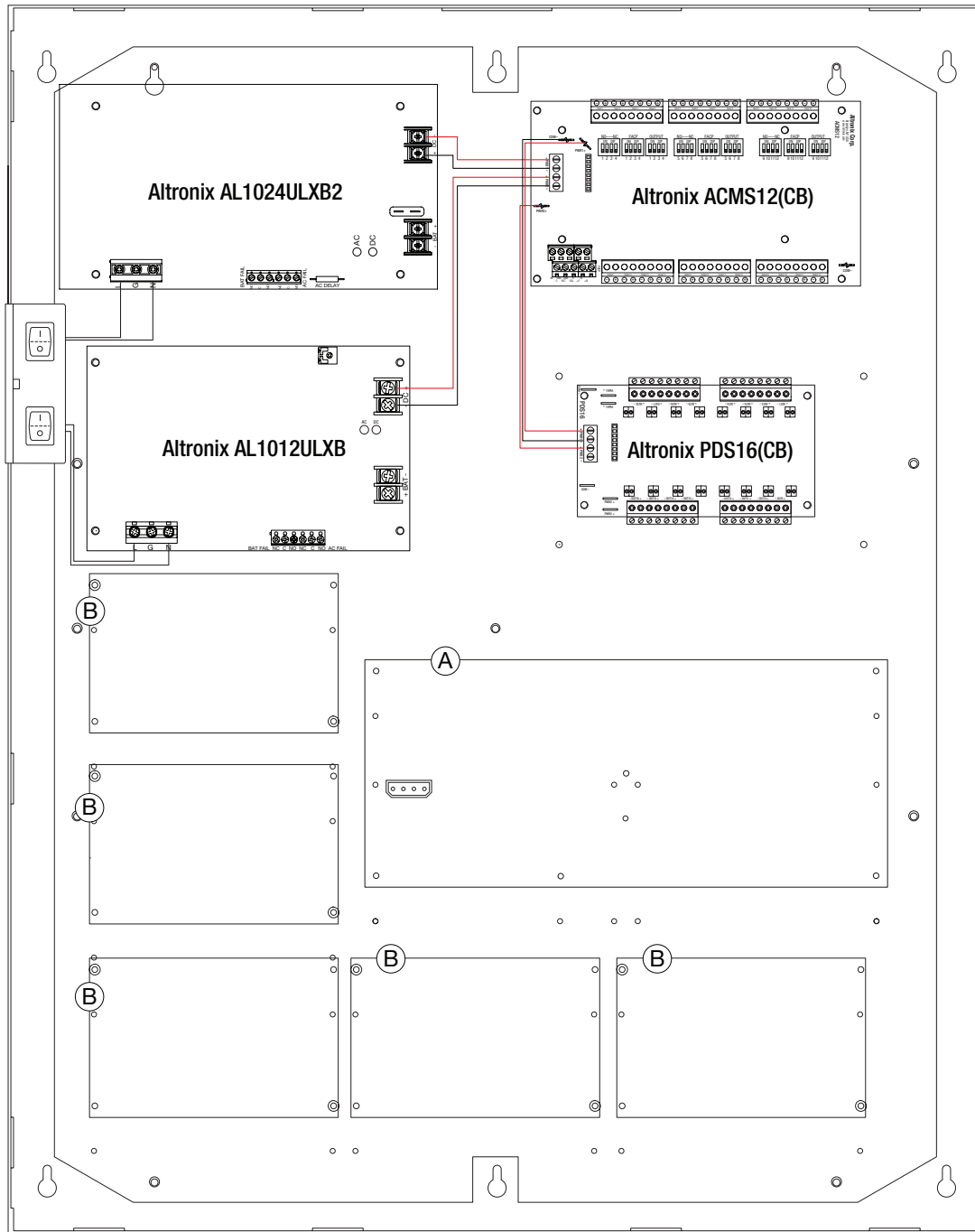
T2BV7512S and T2BV7512SD: Configuration of Brivo Controls Boards:

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. 5).
3. Mount Brivo board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws (Fig. 5a, pg. 6).
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. 5 - T2BV7512S(D) Configurations



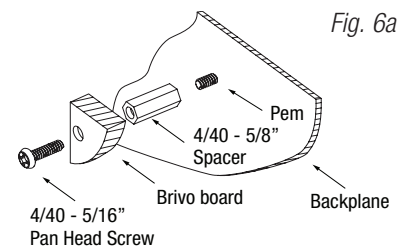
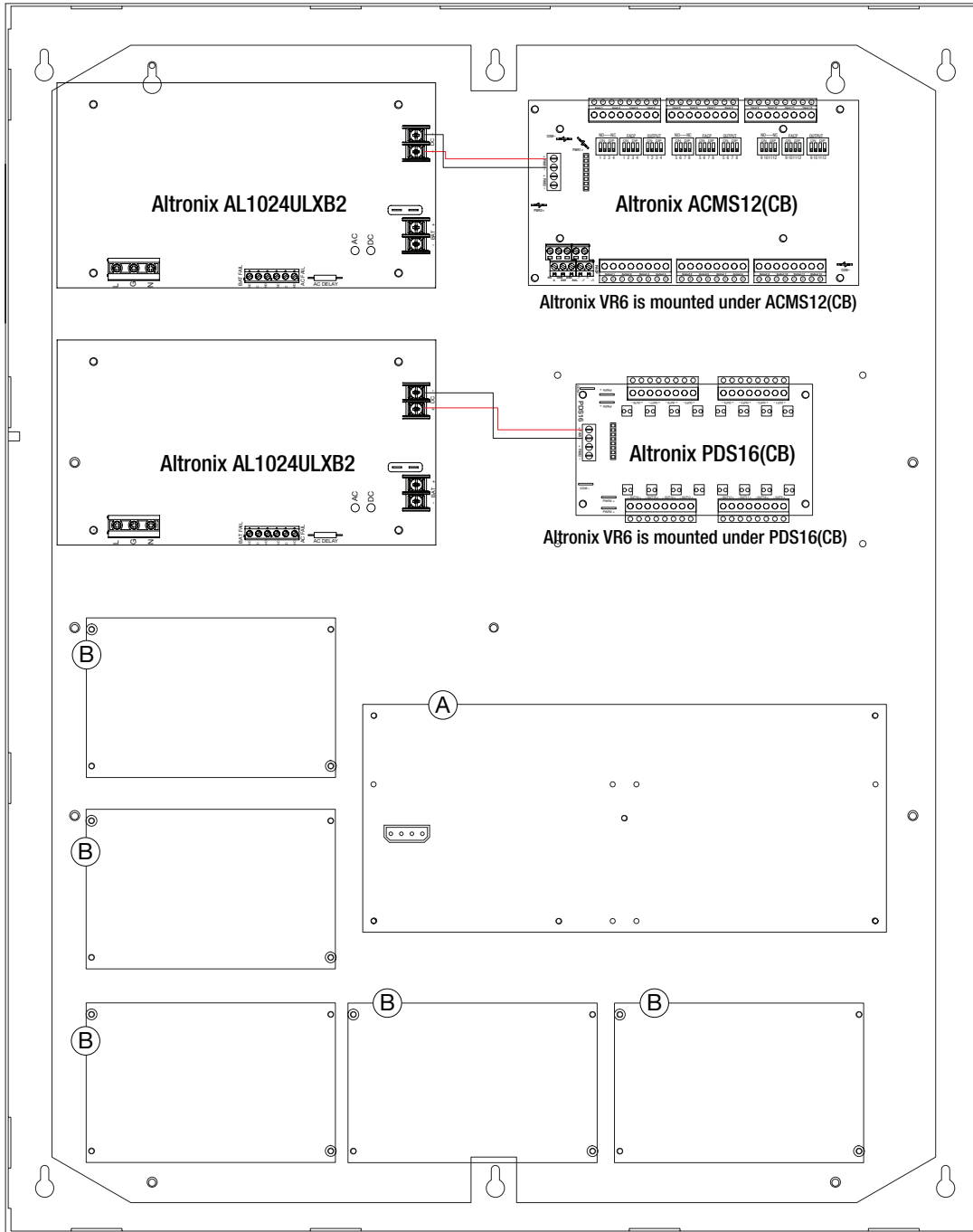
T2BV7712S and T2BV7712SD: Configuration of Brivo Controls Boards:

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. 6, 6a, pg. 7).
Note: Brivo board must be properly grounded. Please use provided metal spacers for the lower right mounting holes (Fig. 6, pg. 7).
3. Mount Brivo board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws (Fig. 6a, pg. 7).
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. 6 - T2BV7712S(D) Configurations



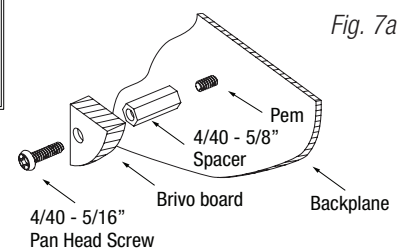
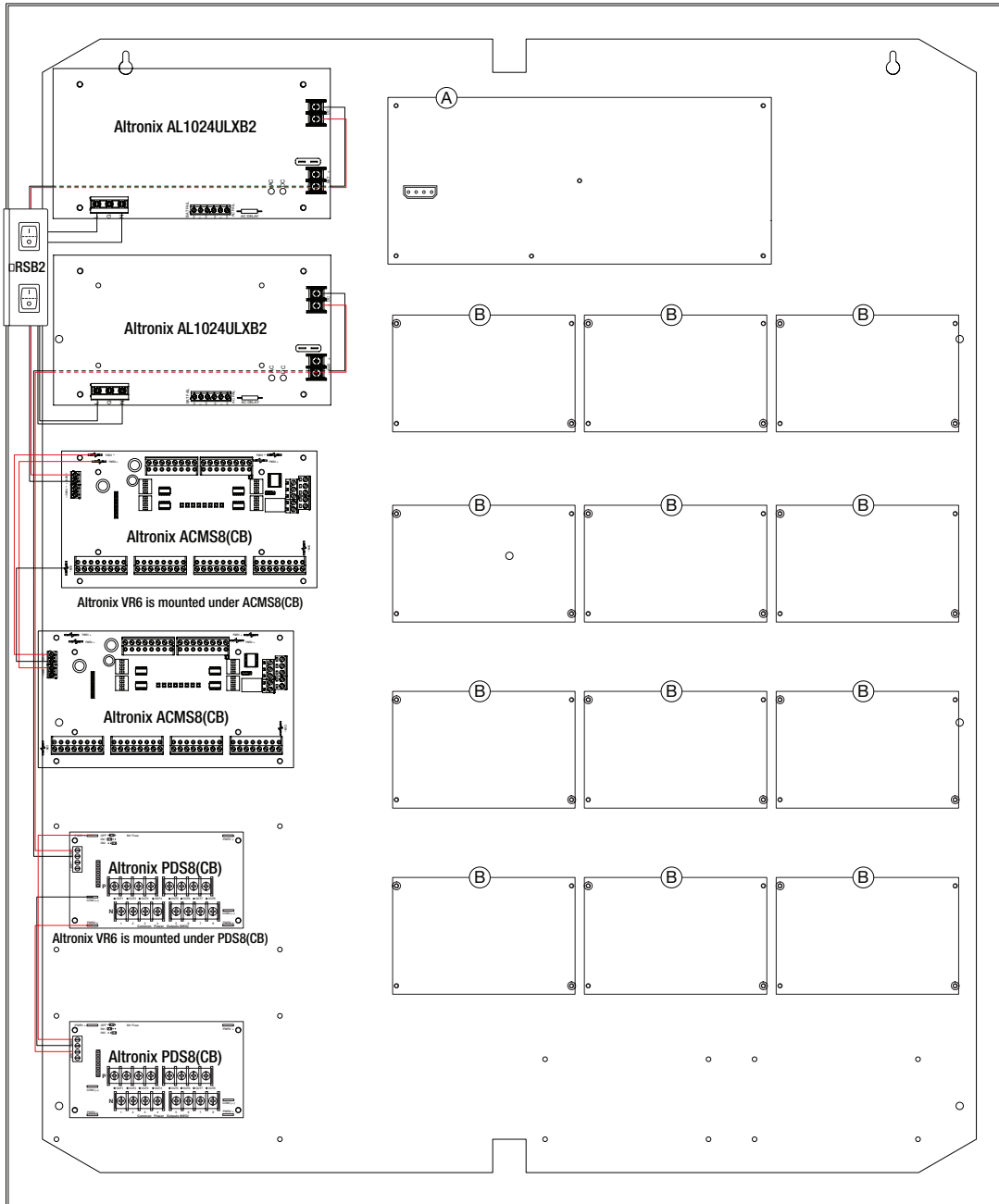
T3BV7716S and T3BV7716SD: Configuration of Brivo Controls Boards:

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. 7, 7a, pg. 8).
Note: Brivo board must be properly grounded. Please use provided metal spacers for the lower right mounting holes (Fig. 7, pg. 8).
3. Mount Brivo board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws (Fig. 7a, pg. 8).
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. 7 - T3BV7716S(D) Configurations



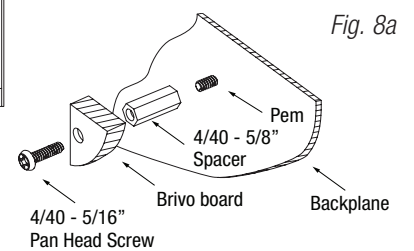
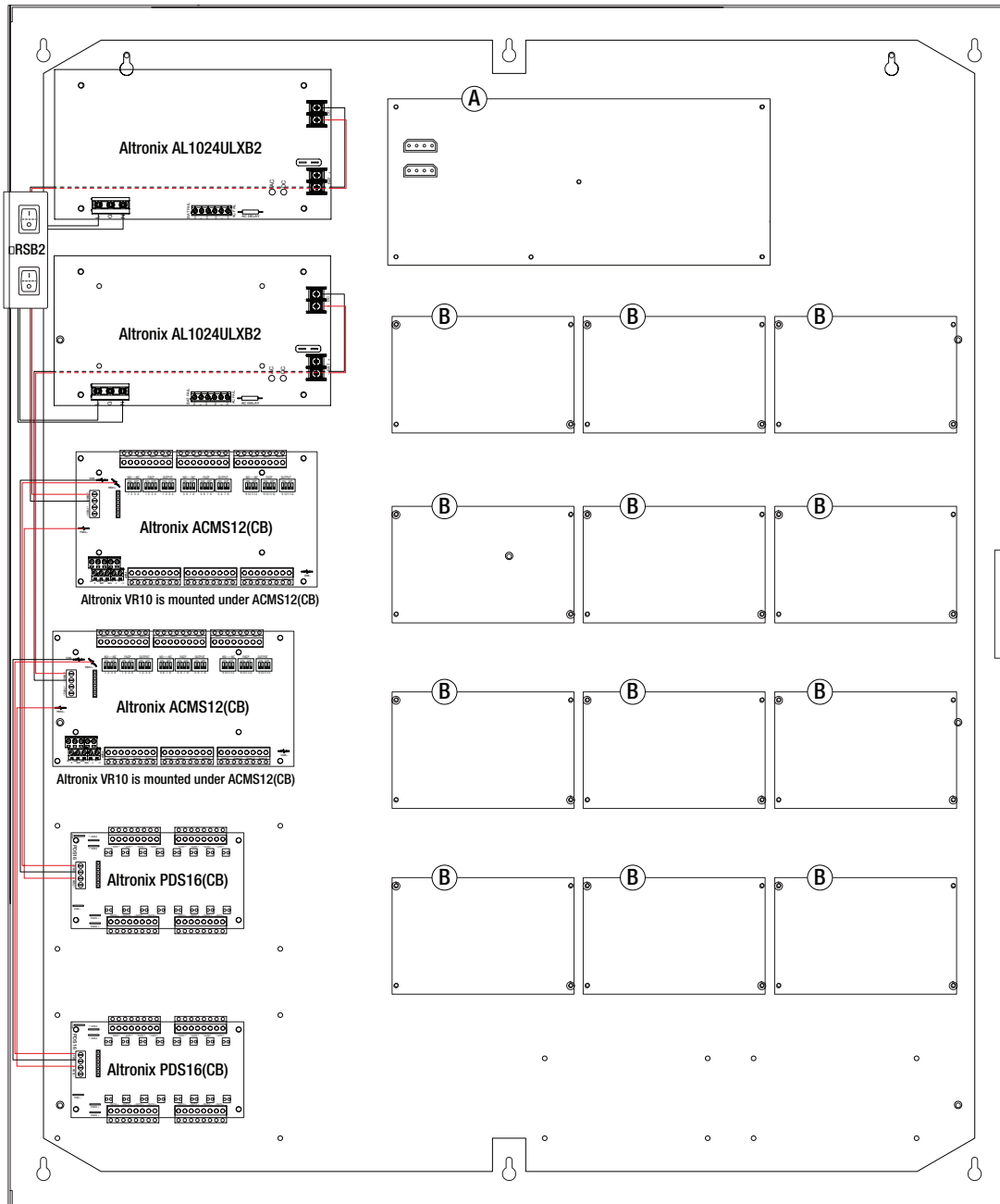
T3BV7724S and T3BV7724SD: Configuration of Brivo Controls Boards:

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. 8, 8a, pg. 9).
Note: Brivo board must be properly grounded. Please use provided metal spacers for the lower right mounting holes (Fig. 8, pg. 9).
3. Mount Brivo board to spacers utilizing provided 4/40 - 5/16" Pan Head Screws (Fig. 8a, pg. 9).
4. Fasten backplane to Trove3 enclosure utilizing lock nuts (provided).

Access Controller Position Chart for the Following Models:

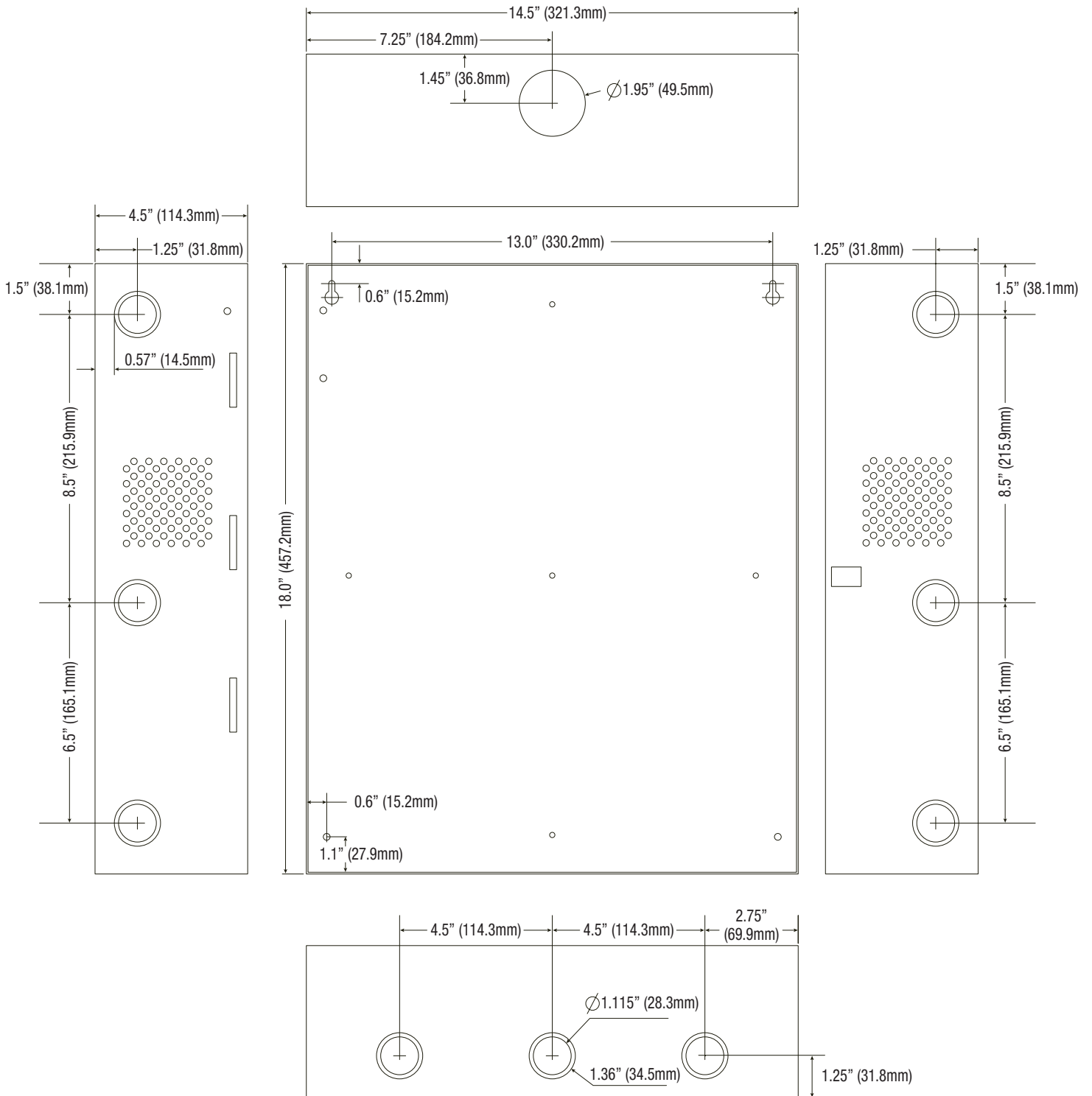
Brivo Access Controller	Pem Mounting
ACS6000-MBE	(A)
ACS6100-DB, ACS6100-IO	(B)

Fig. 8 - T3BV7716S(D) Configurations



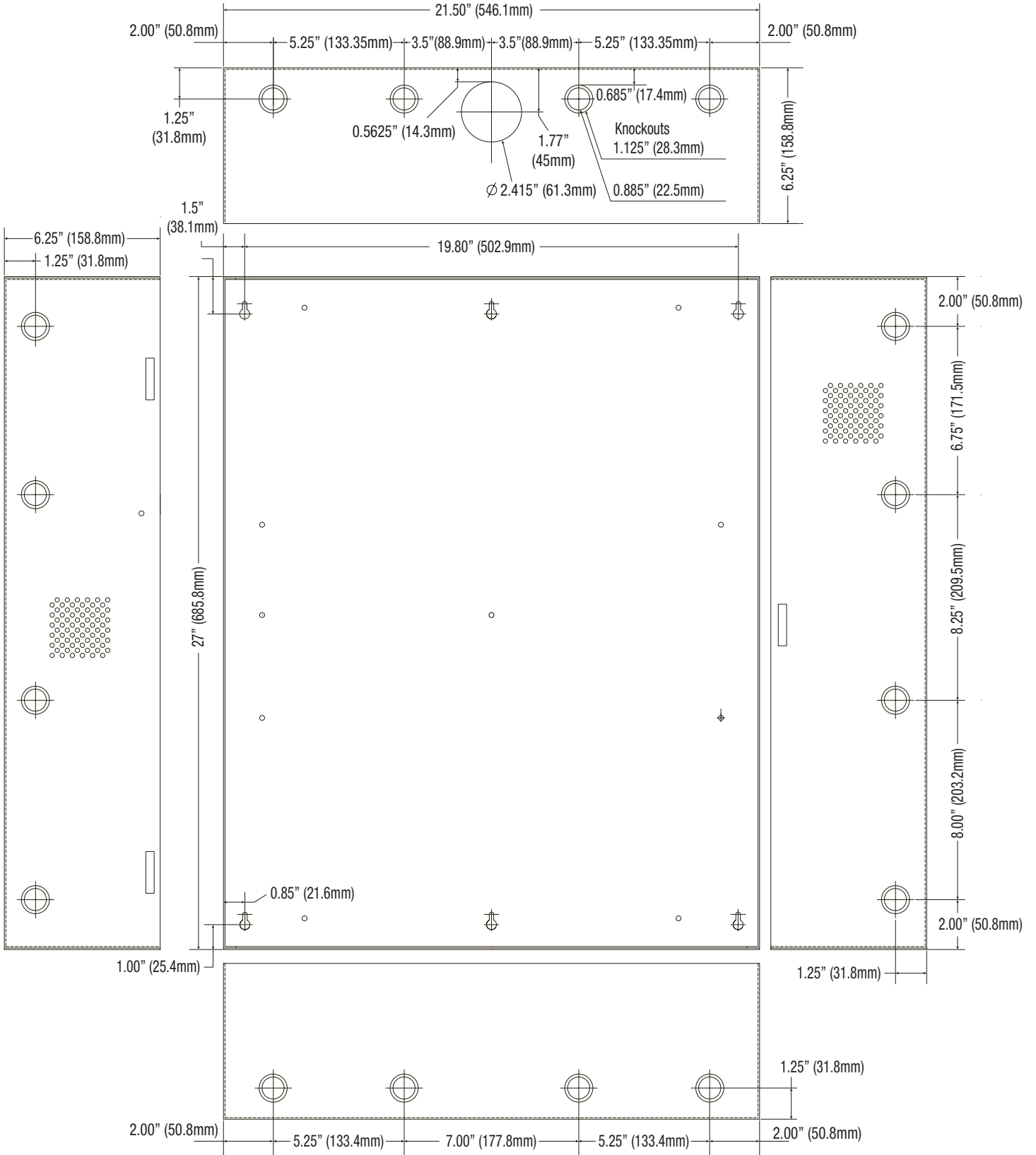
T1BV34S(D) (Trove1) Enclosure Dimensions (H x W x D approximate):

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



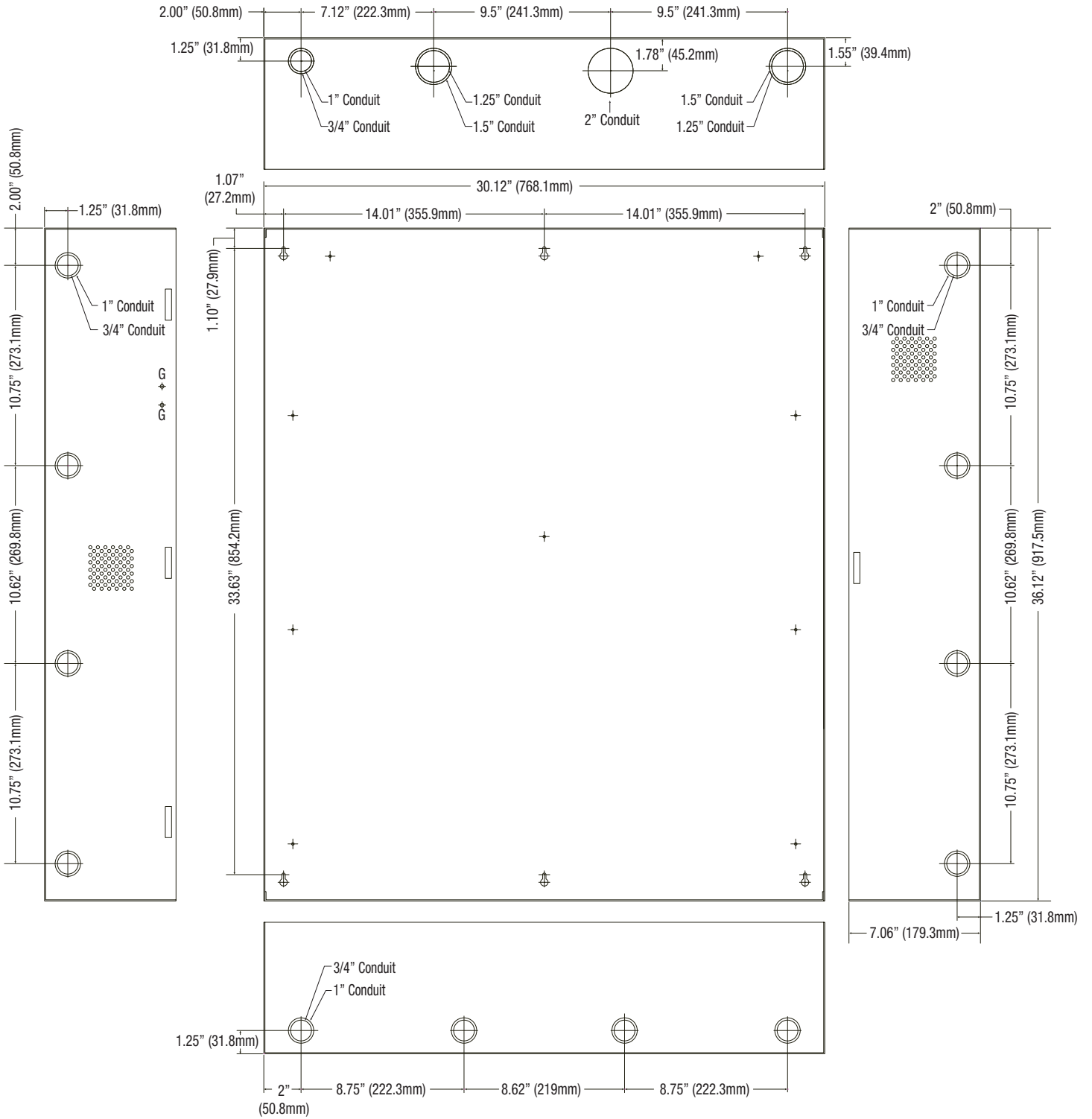
T2BV78S(D), T2BV778S(D), T2BV7512S(D) and T2BV7712(D) (Trove2)
Enclosure Dimensions (H x W x D approximate):

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



T3BV7716S(D) and T3BV7724S(D) (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)



Brivo Inc. is not responsible for any typographical errors.

7700 Old Georgetown Rd #300 | Bethesda, MD 20814 USA
 phone: +1 866.692.7486 | email: customercare@brivo.com | www.brivo.com
 ITrove Brivo ULXB Kits

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