TROVE™
Access & Power Integration

CE

Altronix/Lenel-S2 (S2 Security Platform) Kits

Models Include:

T2SSK78
8 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove2 enclosure with
  TSS2 Altronix/Lenel-S2 (S2 Security Platform) backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) ACM8 - Fused Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module
- One (1) RSB1* - Rocker Switch Bracket with
  One (1) Rocker Switch (Not evaluated by UL)

T2SSK78D
8 Door Kit with PTC Outputs
Fully assembled kit includes:
- Trove2 enclosure with
  TSS2 Altronix/Lenel-S2 (S2 Security Platform) backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) ACM8CB - PTC Access Power Controller
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module
- One (1) RSB1* - Rocker Switch Bracket with
  One (1) Rocker Switch (Not evaluated by UL)

T2SSK7514
14 Door Kit with Fused Outputs
Fully assembled kit includes:
- Trove2 enclosure with
  TSS2 Altronix/Lenel-S2 (S2 Security Platform) backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) AL1012ULXB - Power Supply/Charger
- Two (2) ACM8 - Fused Access Power Controllers
- Two (2) PD8UL - Fused Power Distribution Module
- One (1) RSB2* - Rocker Switch Bracket with
  Two (2) Rocker Switches (Not evaluated by UL)

T2SSK7514D
14 Door Kit with PTC Outputs
Fully assembled kit includes:
- Trove2 enclosure with
  TSS2 Altronix/Lenel-S2 (S2 Security Platform) backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) AL1012ULXB - Power Supply/Charger
- Two (2) ACM8CB - PTC Access Power Controllers
- Two (2) PD8ULCB - PTC Power Distribution Module
- One (1) RSB2* - Rocker Switch Bracket with
  Two (2) Rocker Switches (Not evaluated by UL)

All components of this Trove kit are UL Listed sub-assemblies.
Please refer to the included corresponding Sub-Assembly Installation Guides for further information.

Installation Guide

Altronix®
More than just power.™

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix T2SSK78 and T2SSK7514 Trove S2 kits are pre-assembled and consist of Trove enclosures/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. Both kits accommodate Lenel-S2 (S2 Security Platform) S2-INST Installation Kit for S2 Network Node for up to eight (8) (T2SSK78(D)) or fourteen (14) (T2SSK7514(D)) doors in a single enclosure.
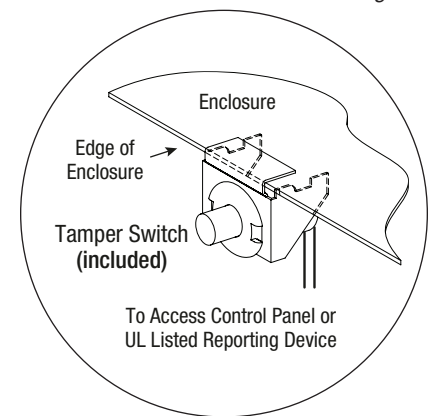
Configuration Chart:

Altronix Model Number	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	115VAC 60Hz Input Current (A)	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM8(CB) Access Power Controllers' outputs	Nominal DC Output Voltage Range (VDC)	Fail-Safe/ Fail-Secure Outputs	Additional Fused (PTC) Outputs	ACM8 (CB) Board Input Fuse Rating	ACM8 (CB) Board Output Fuse (PTC) Rating	PDS8 (CB) Board Input Fuse (PTC) Rating	PDS8 (CB) Board Output Fuse (PTC) Rating	PD8UL (CB) Board Output Fuse (PTC) Rating
T2SSK78	5A/ 250V	15A/ 32V	4.2	24VDC @ 9.7A	20.17-26.4	8	8	10A/ 250V	3.5A/ 250V	10A/ 32V	3A/ 32V	–
T2SSK78D									2.5A	9A	2.5A	
T2SSK7514		15A/ 32V	6.9	24VDC @ 9.4A	20.17-26.4	16	16	10A/ 250V	3.5A/ 250V	–	–	3.5A/ 250V
T2SSK7514D				12VDC @ 10A	9.7-13.2				2.5A			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.
2. Mark and predrill holes in the wall to line up with the top two/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 three holes. Remove the enclosure. Drill the lower holes and install the three fasteners. Place the enclosure's upper keyholes over the two/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 S2-INST Installation Kit to backplane, refer to *pages 3, 4*.
5. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL1012ULXB, AL1024ULXB2 and corresponding *Sub-Assembly Installation Guides* for ACM8, PDS8, VR6 and PD8UL for further installation instructions.

Fig. 1

Enclosure
Edge of Enclosure
Tamper Switch (included)
To Access Control Panel or UL Listed Reporting Device

Hardware:

⬡ Lock Nut

T2SSK78(D): Access Controller Position Chart for the S2-INST Installation Kit:

1. Align S2-INST mounting holes with pems on TSS2 *(Fig. 2, pg. 3)*.
2. Attach S2-INST to backplane with lock nuts (provided) *(Fig. 2a, pg. 3)*.
3. Mount backplane to enclosure with hardware.
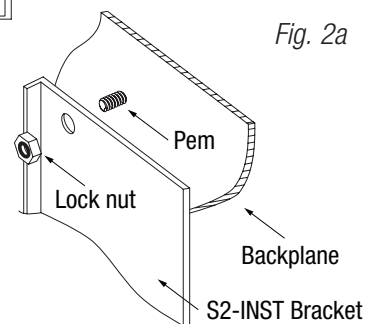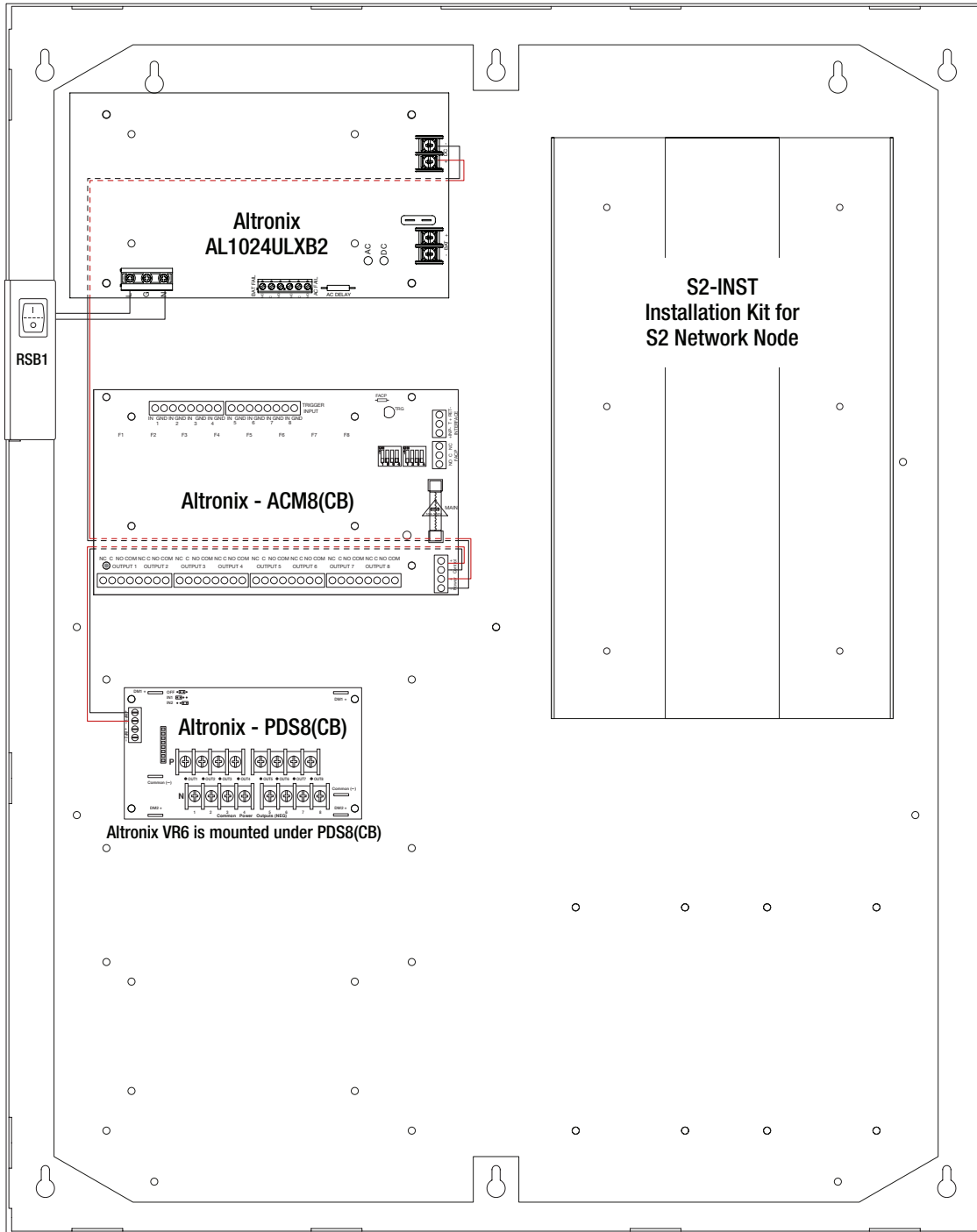4. Fasten TSS2 backplane to Trove2 enclosure utilizing hardware (provided).

Fig. 2

Altronix
AL1024ULXB2

RSB1

Altronix - ACM8(CB)

S2-INST
Installation Kit for
S2 Network Node

Altronix - PDS8(CB)

Altronix VR6 is mounted under PDS8(CB)

Fig. 2a

Pem

Lock nut

Backplane

S2-INST Bracket

T2SSK7514(D): Access Controller Position Chart for the S2-INST Installation Kit:

1. Align S2-INST mounting holes with pems on TSS2 *(Fig. 3, pg. 4)*.
2. Attach S2-INST to backplane with lock nuts (provided) *(Fig. 3a, pg. 4)*.
3. Mount backplane to enclosure with hardware.
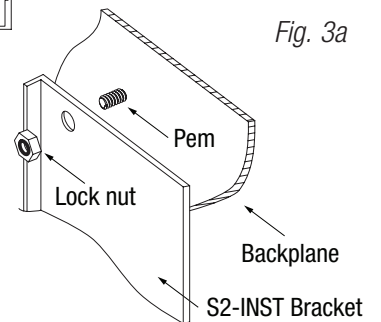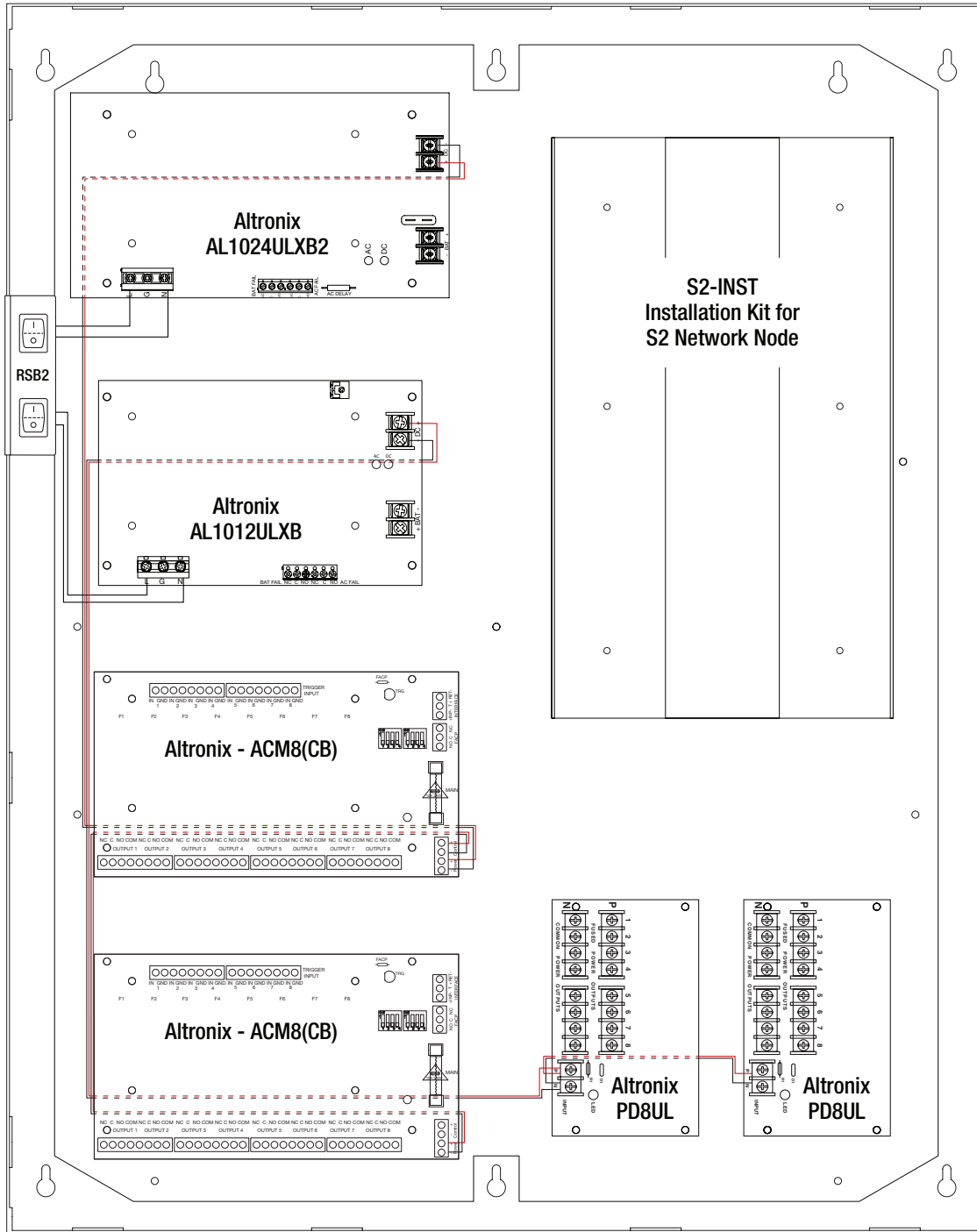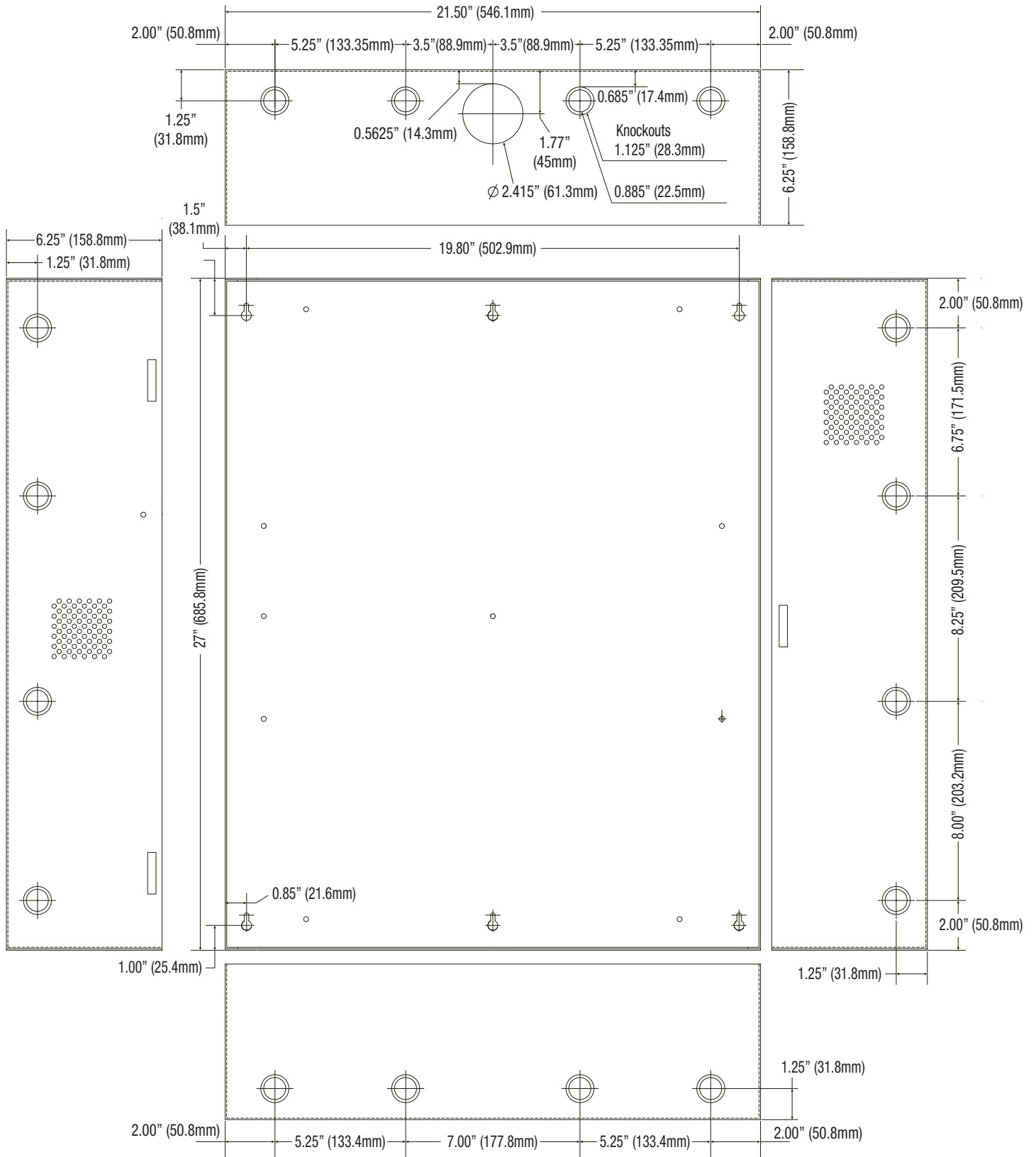4. Fasten TSS2 backplane to Trove2 enclosure utilizing hardware (provided).

Fig. 3

Fig. 3a

Notes:

Notes:

Notes:

Enclosure Dimensions (H x W x D):

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

21.50" (546.1mm)

2.00" (50.8mm)

5.25" (133.35mm) — 3.5" (88.9mm) — 3.5" (88.9mm) — 5.25" (133.35mm)

2.00" (50.8mm)

1.25" (31.8mm)

0.685" (17.4mm)

0.5625" (14.3mm)

Knockouts
1.125" (28.3mm)

1.77" (45mm)

6.25" (158.8mm)

⌀ 2.415" (61.3mm)   0.885" (22.5mm)

1.5" (38.1mm)

6.25" (158.8mm)

1.25" (31.8mm)

19.80" (502.9mm)

2.00" (50.8mm)

6.75" (171.5mm)

27" (685.8mm)

8.25" (209.5mm)

8.00" (203.2mm)

0.85" (21.6mm)

2.00" (50.8mm)

1.00" (25.4mm)

1.25" (31.8mm)

1.25" (31.8mm)

2.00" (50.8mm)

5.25" (133.4mm) — 7.00" (177.8mm) — 5.25" (133.4mm)

2.00" (50.8mm)

Trove2 S2 ULXB Kits Installation Guide

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