

**29T400BLK000000C****4 Door Kit with Fused Outputs****Fully assembled kit includes:**

- Trove1 enclosure with TSA1 Altronix/Salto backplane
- (1) AL600ULXB - Power Supply/Charger
- (1) ACM4 - Fused Access Power Controller
- (1) VR6 - Voltage Regulator
- (1) PDS8 - Dual Input Power Distribution Module

**29TX00BLK000000C****12 Door Kit with Fused Outputs****Fully assembled kit includes:**

- Trove2 enclosure with TSA2 Altronix/Salto backplane
- (1) AL1024ULXB2 - Power Supply/Charger
- (1) AL1012ULXB - Power Supply/Charger
- (1) ACM8 - Fused Access Power Controller
- (1) ACM4 - Fused Access Power Controller
- (1) PDS8 - Dual Input Power Distribution Module

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

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

**Overview:**

Hager kits are pre-assembled and consist of enclosure/backplane with factory installed power supply/charger(s) and sub-assemblies. These kits also accommodate various combinations of HS4 modules for up to twelve (12) doors in a single enclosure.

**Configuration Chart:**




Hager Model Number	120VAC 60Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage			Power Supply Output	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and 2-679-0997, 2-679-0998 Access Power Controller's outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per 2-679-0997	2-679-0998 Output (A)	2-679-0997, 2-679-0998 Board Input Fuse Rating	2-679-0997, 2-679-0998 Board Output Fuse Rating	2-679-1000 Board Input Fuse Rating	2-679-1000 Board Output Fuse Rating
				Power Supply 1	Power Supply 2										
29T400BLK000000C	3.5	5A/250V	N/A	20.19-26.4	-	-	-	24VDC @ 5.6A	4	2.5	10A/250V	3A/250V	10A/250V	3A/250V	
29TX00BLK000000C	6.8	5A/250V	15A/32V	20.17-26.4	10.03-13.2	10.03-13.2	-	12VDC @ 9.3A 24VDC @ 9.2A	12	2.5	10A/250V	2.5A/250V	10A/250V	3A/250V	

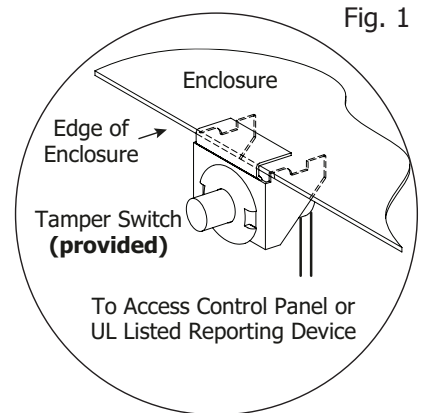
**Installation Instructions Enclosure/Tamper Switch:**

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(s) 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 (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 HS4 modules to backplane, refer to Figs. 2-3, pgs. 3-4.

**Hardware:**

 Nylon Standoff |  5/16" Pan Head Screw |  Lock Nut



### 29T400BLK00000C Configuration of HS4 Modules:

1. Fasten standoffs onto metal pems configuration (A) of backplane (Fig. 2, pg. 3).
2. Position HS4 modules over corresponding standoffs and mount them utilizing pan head screws (provided) (Fig. 2a, pg. 3).
3. Mount backplane to enclosure with hardware.

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

HS4 Access Controller	Pem Mounting
CU42E0, CU4200 or CU4EB8	(A)

Fig. 2

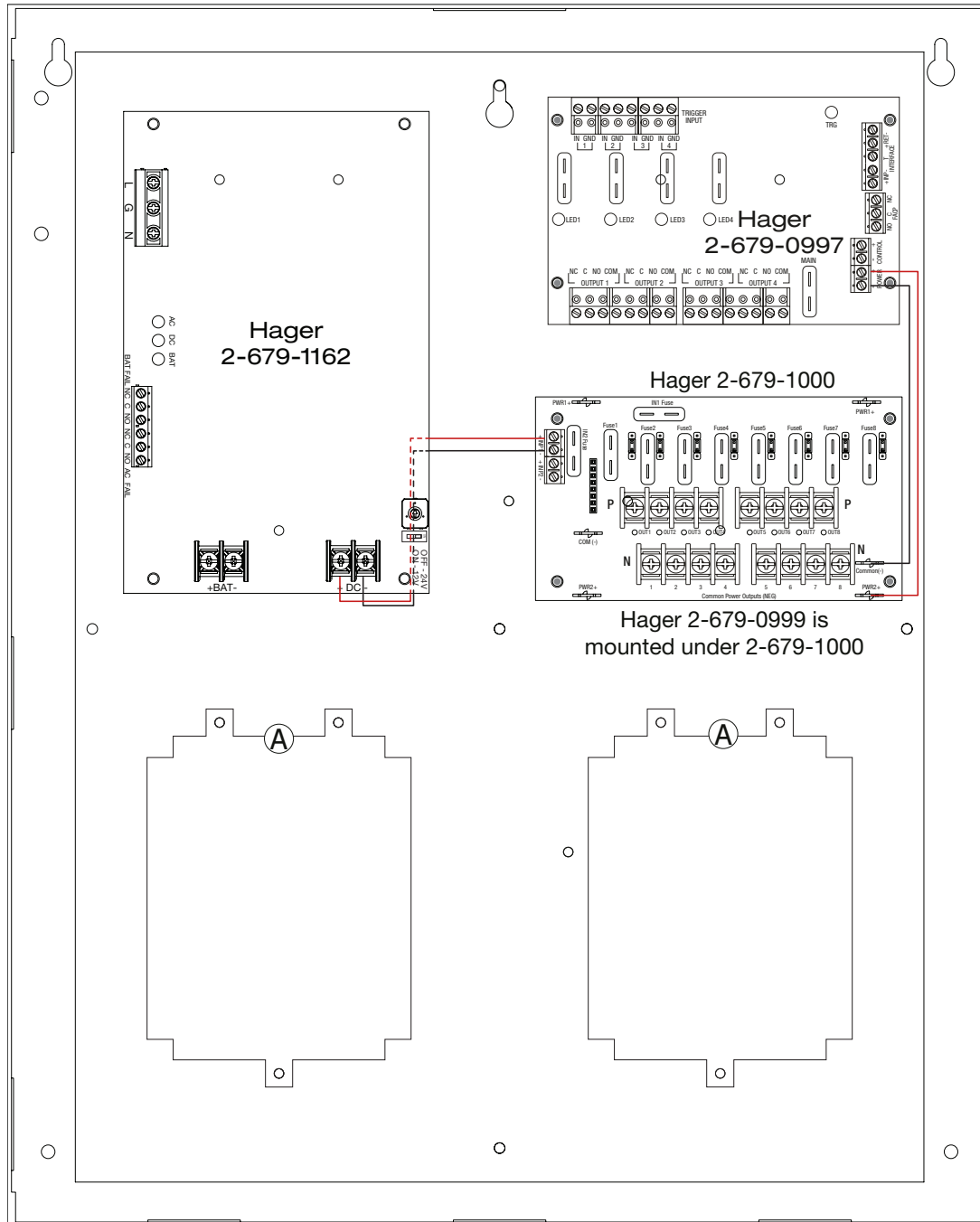
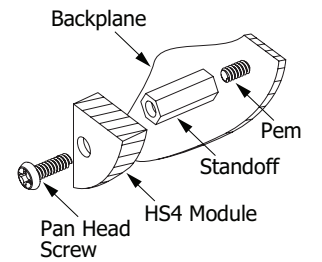


Fig. 2a



### 29TX00BLK00000C Configuration of HS4 Modules:

1. Fasten standoffs onto metal pems configuration (A) of backplane (Fig. 3, pg. 4).
2. Position HS4 modules over corresponding standoffs and mount them utilizing pan head screws (provided) (Fig. 3a, pg. 4).
3. Mount backplane to enclosure with hardware.

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

HS4 Access Controller	Pem Mounting
CU42E0, CU4200 or CU4EB8	(A)

Fig. 3

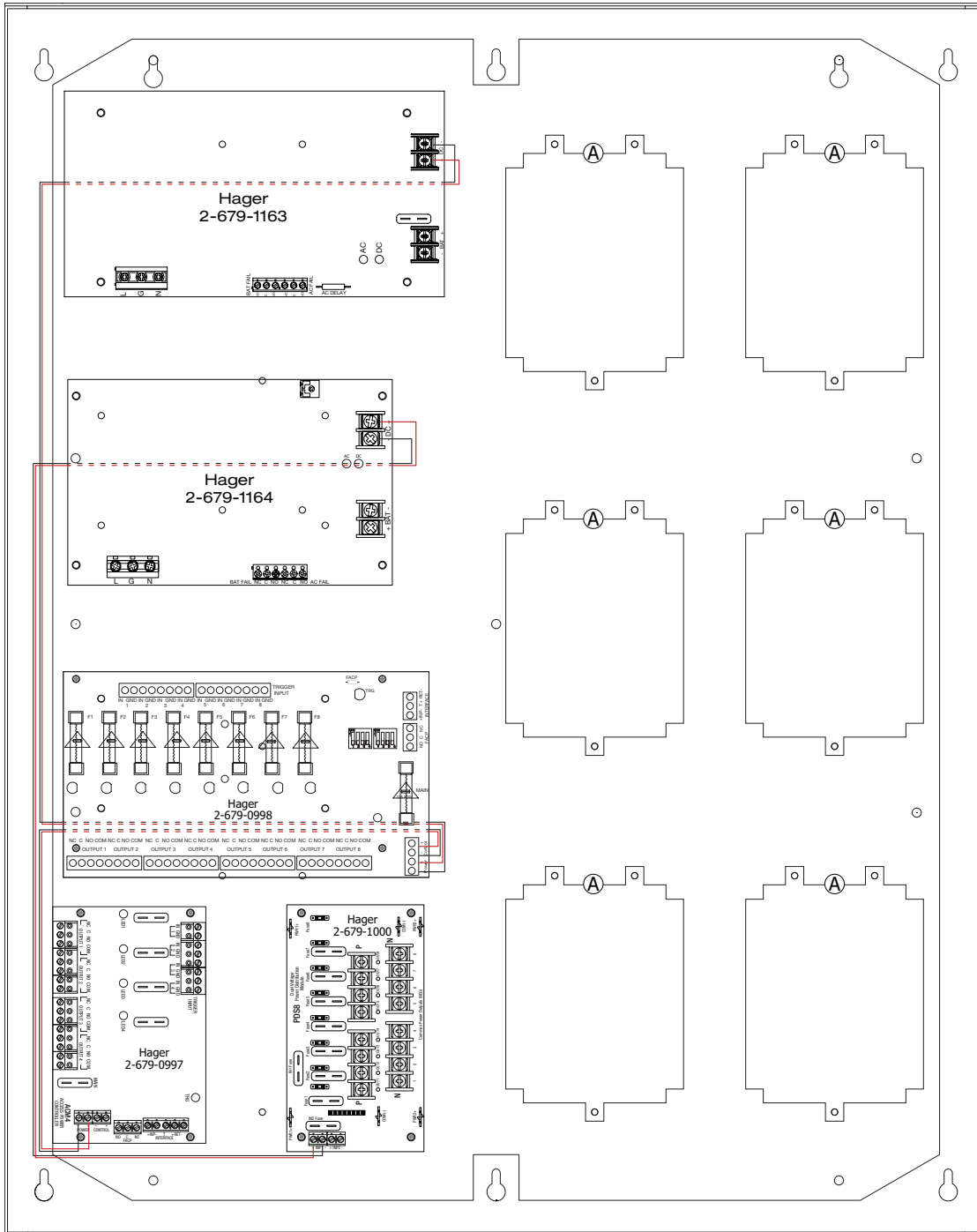
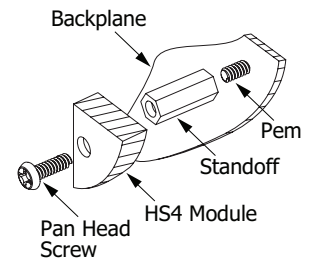
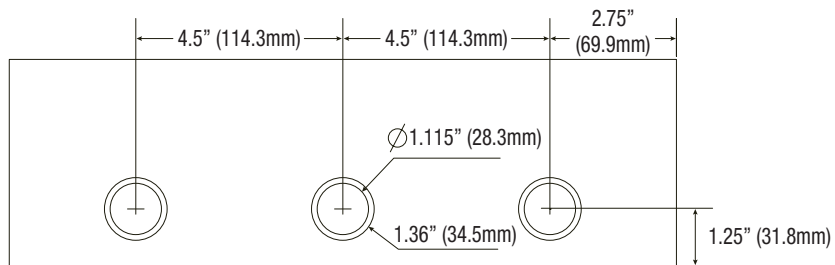
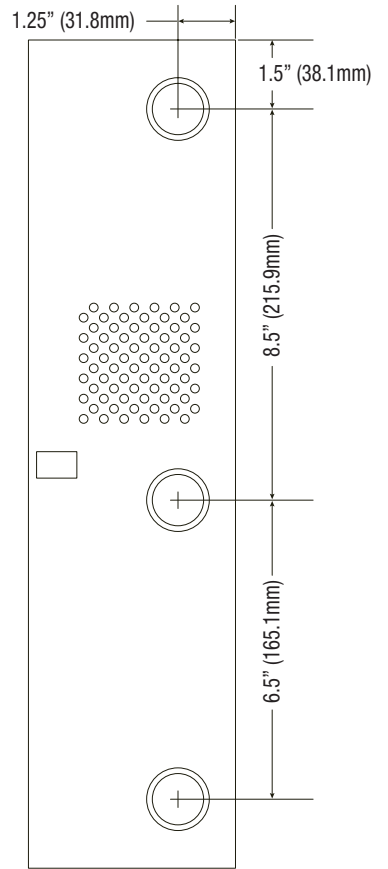
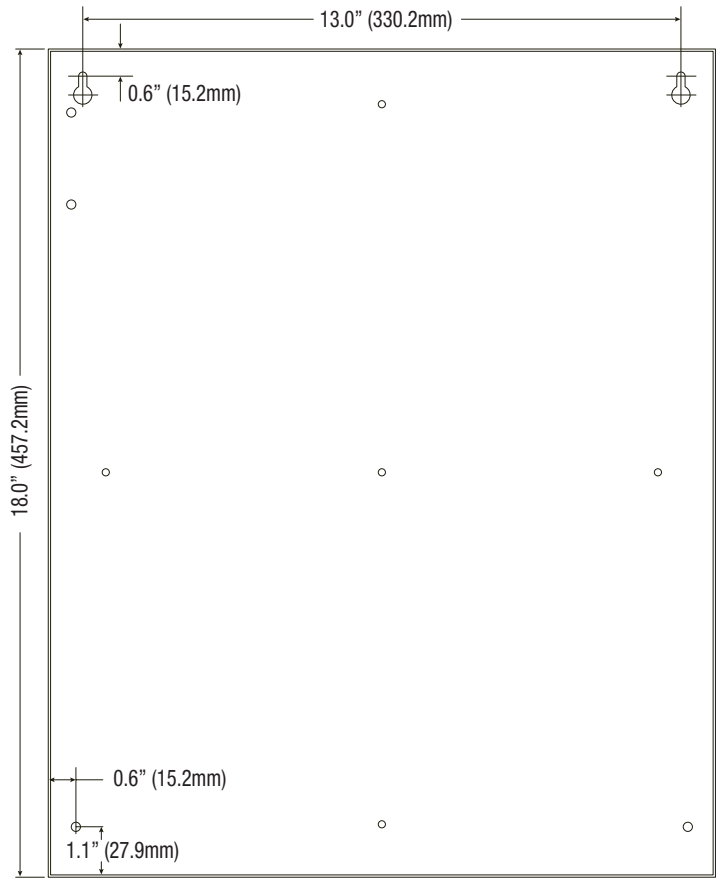
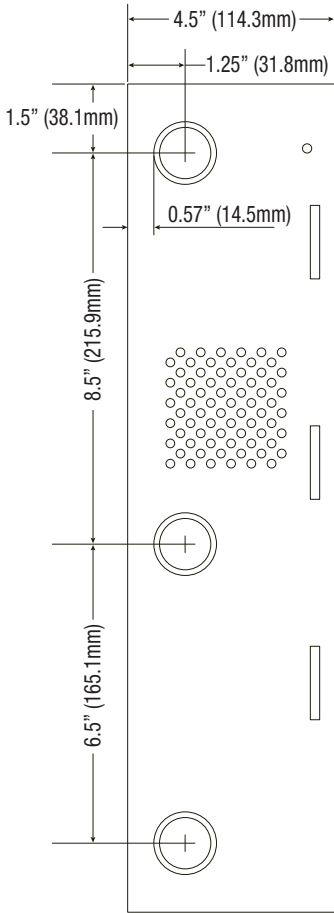
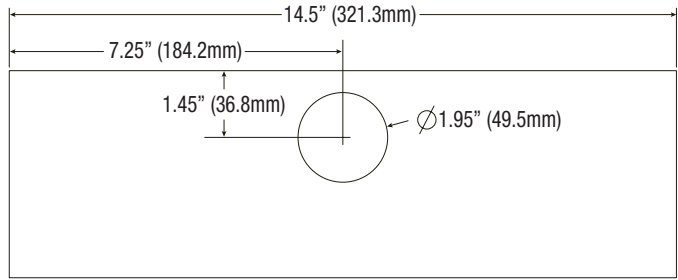


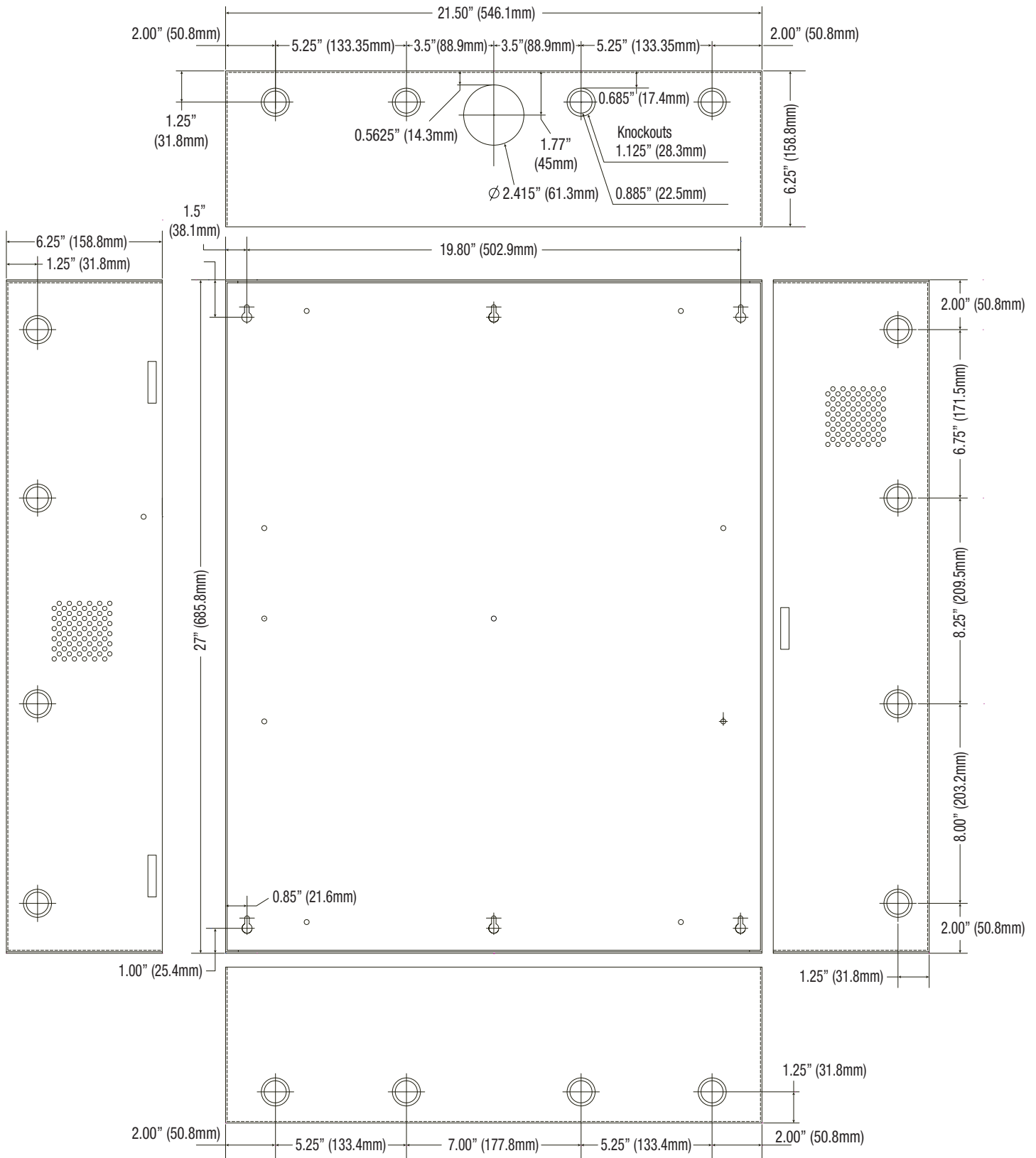
Fig. 3a



**29T400BLK000000C Enclosure Dimensions (H x W x D):**  
 18" x 14.5" x 4.625" (457mm x 368mm x 118mm)



**29TX00BLK00000C Enclosure Dimensions (H x W x D):**  
 27.25" x 21.75" x 6.5" (692.15mm x 552.5mm x 165.1mm)



**Notes:**

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