



# ARGO FT Installation Manual



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## REVISION HISTORY

| ECO     | 07103-00348<br>Revision | DATE      | DESCRIPTION                                                                                                        |
|---------|-------------------------|-----------|--------------------------------------------------------------------------------------------------------------------|
|         | Original                | 11/1/2017 | Original document                                                                                                  |
|         | A                       | 9/23/2019 | Added tie-wrap to cables on left and right side of NMD-100                                                         |
| 1033670 | B                       | 9/10/2024 | Added Service Area for CMD8240N                                                                                    |
| 1034075 | C                       | 5/27/2025 | Removed old Input power cable to dispenser. Added new (Remove/Install) instructions for Power Cable with Capacitor |

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1 (800) 259-6672 (opt 3) or +1 (228) 575-3100 (opt 3)

Manufacturer warrants that the products delivered to a distributor will perform in accordance with the Manufacturer's published specifications for thirteen months from date of shipment from Long Beach, MS. Manufacturer's warranty shall not apply to any damage resulting from abuse, negligence or accident, or to any loss or damage to the product(s) while in transit. Written notice and explanation of circumstances surrounding any claims that the goods have proved defective in material or workmanship shall be given promptly from the distributor to the manufacturer. No claim may be made, or action brought, by or through a distributor after the expiration of 14 months following any alleged breach of warranty.

Distributor's sole and exclusive remedy in the event of defect is expressly limited to the replacement or correction of such defective parts by manufacturer at its election and sole expense, except there shall be no obligation to replace or repair items which, by their nature, are expendable.

These terms and conditions shall be governed by and construed in accordance with the provisions of the Uniform Commercial Code as adopted by the State of Mississippi.

For detailed warranty information by unit, Software End-User Agreement, access to ADA compliance statement, PCI v5 EPP certifications, EMV certifications and more, please visit [www.triton.com](http://www.triton.com).

## PURPOSE

This guide covers the basic installation information for a Triton ARGO FT.

## SCOPE

This manual applies to all service personnel involved in installing, converting, or upgrading hardware on Triton ATMs nationwide and abroad.

## APPLICATION

This installation guide provides information, methods, and easy-to-follow instructions for installation of the Triton ARGO FT ATM. The manual contains information regarding site compliance, environmental precautions, basic dimensions, installation of the unit, FCC/ADA compliance and emissions statements.

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## **GLOSSARY**

|        |                                                 |
|--------|-------------------------------------------------|
| AC     | Alternating current                             |
| ADA    | Americans with Disabilities Act                 |
| ATM    | Automated teller machine                        |
| CAT-5  | Category 5 (ethernet)                           |
| CSA    | Compliance, safety, accountability              |
| DDA    | Disability Discrimination Act                   |
| EMV    | Europay, Mastercard, and Visa                   |
| EPP    | Encrypting pin pad                              |
| FCC    | Federal Communications Commission               |
| IN.    | inches                                          |
| MM     | Millimeters                                     |
| NMD    | Notes and Media Dispenser                       |
| P/N    | Part number                                     |
| SSL    | Secure socket layer                             |
| TCP/IP | Transmission control protocol/internet protocol |
|        |                                                 |

## SITE PREPARATIONS

### BEFORE YOU START

Triton recommends that the unit is secured to the facility floor or a plinth structure. If a plinth is used, Triton recommends securing the terminal to that structure first as accessibility may be limited once the unit is mounted on the plinth. The footprint of the cabinet floor allows for securing to either a concrete pad or plinth structure. Anchor bolts may be too short to go straight from the cabinet to the floor, depending on how high the unit was raised to accommodate the wall opening. It is the customer or their agent's responsibility to determine how the unit is affixed to the facility.

\*\*Note\*\*

Standard anchor kit (Triton P/N **06200-00066**) is required for installation. This does not ship with the unit and must be purchased separately. Contact customer service at 1 (800) 259-6672 option 3 for availability, or click the part number to order online.

#### WARNING

Level 1 vaults are considerably heavier than business hours cabinets. Exercise extreme caution when moving Level 1 vaults. At least two people should work together to move the cabinet into position for mounting.

#### Caution

It is important that the ATM cabinet is located on flat level flooring. If the floor is not flat, cabinet bottom or walls may become distorted when mounting bolts are tightened. This could prevent the vault door from operating correctly.

Listed are some general considerations when securing the unit:

1. What is the floor structure (wood, concrete, etc.)? Do you have anchors, lag bolts, and/or screws to secure cabinet/plinth?
2. Is the unit a Level 1 vault or a business-hours cabinet? Will the floor support the weight of the cabinet? What is the plinth constructed of (wood, concrete, metal, etc.)?
3. Is inside floor level the same as the outside ground? If floors are not even, will you need the optional 2 3/8 inches plinth?
4. Is the floor level? Will the unit need to be raised using the plinth/cabinet leveling feet? (Leveling feet are only for minimal corrections to level cabinet.) Leveling feet are not standard on Level 1 cabinets and must be purchased separately.
5. Are exterior walls solid (brick, concrete), or wood framed? Does wall cavity need insulation?
6. After cabinet is anchored, is the control panel trim flush against exterior wall? Is trim sufficiently sealed to keep moisture from entering the control panel electronics?
7. Are doorways/hallways leading to the installation site wide enough to allow the shipping package to pass through? If access is restricted, make arrangements to unpack the unit in an area with sufficient space and move the unit to the installation site.

#### Caution

Observe all safety precautions for operating hand and power tools. Wear appropriate eye and ear protection. Use a back support belt when lifting and moving the ATM.

## SITE COMPLIANCE

The site must be prepared by the customer or an agent competent with the requirements of installing ATM equipment. The customer is responsible, the site prepared meets the compliance with this document.

An outline checklist for information and guidance only provides general matters for the customer. This list not intended to be comprehensive and in no way modifies, alters, or limits the customer responsibility for all aspects of site preparation. Prepare the site prior to the ATMs arrival.

## SITE PREPARATION

Check the following for a proper ATM site location. Ensure all applicable codes, regulations, and laws are adhered to current or installed site,

1. Select a location other equipment will not cause electrical, electromagnetic, or induced interference.
2. The ATM location must not hinder the customer or repair technicians access to the unit.
3. Verify supplied power and outlets meet the ATM's requirements.
4. Verify access to communications (Ethernet, phone, or other device) cables and associated hardware.
5. Verify all environmental conditions meet the ATM requirements.
6. Verify ATM meets ADA/DDA/CSA accessibility regulations for the state or country of installation.
7. Establish contractor and vendor schedules.
8. Plan operator training exercises (optional).

## ATM REQUIREMENTS

1. Temperature and humidity must fall within the following ranges for ARGO FT operation:

| Temperature (Exterior) | Humidity (Interior, Non-Condensing)        | Temperature (Interior)                     |
|------------------------|--------------------------------------------|--------------------------------------------|
| -30°F to 0°F           | 10% - 20%                                  | 10% - 20%                                  |
| 0°F to 40°F            | 10% - 30%                                  | 10% - 30%                                  |
| 40°F to 122°F          | 20% - 80%<br>(20% - 70% polymer banknotes) | 20% - 80%<br>(20% - 70% polymer banknotes) |

2. The following AC power requirements must be met:

| Current (max)          | Power Consumption (idle)     |
|------------------------|------------------------------|
| 5.05A @ 120V           | 2.0A @ 115VAC at 60 Hz       |
| 2.01A @ 240V           | 1.0A @ 230VAC at 50 Hz       |
| Voltage                | Power Consumption (max load) |
| 90V - 136V @ 50/60 Hz  | 606 Watts @ 120V             |
| 198V - 257V @ 50/60 Hz | 482 Watts @ 240V             |

### WARNING

3. Do not apply power to the unit until installation is complete. Injury to service personnel or damage to equipment is possible.
  - **Dedicated Source.** The ATM AC power feed will be a dedicated line to which no other electrical devices are connected. The ATM power line will be wired for a single duplex-style outlet and connected directly to the AC service panel.
  - **Isolated Ground.** An equipment grounding conductor that is insulated from the conduit or raceway and all other grounding points throughout its entire length. The only points of electrical connection will be at the duplex outlet and service panel ends of the line.

4. The following (Optional) telephone line requirements must be met:
  - **Dedicated Line.** The telephone line servicing the ATM will not be a party-line (fax machine, point of sale devices, etc.).
  - **Proximity to Interference Sources.** The telephone line must not be in close proximity to noisy devices (modem, phone line, etc.) that could induce interference into the ATM communications channel.
5. When using TCP/IP communication, ensure the following conditions are met:
  - A clear path of communication has been setup for the interface with the host processor.
  - No security firewalls are in place that will prevent communication with the host processor.
6. Ensure no devices that can cause RF interference are nearby, such as:
  - TVs
  - Coolers
  - Security devices
  - Neon signs
  - Devices with compressors

### DETERMINE IF PLINTH REQUIRED

Triton Systems offers an optional, metal-constructed plinth with leveling feet. Each plinth is 2  $\frac{3}{8}$  inches in height, allowing you to adjust the ATM height by a fixed amount and still be able to adjust up using the leveling feet. A plinth enables the ATM to be installed through the wall at the required height. To determine if a plinth is needed with your unit, see **WALL OPENING/TRIM DIMENSIONS**.

- If plinth will be used, secure cabinet to plinth before installing the cabinet into the wall opening.
- If cabinet will be secured to the floor, drill anchor holes before installing the cabinet into the wall opening.

\*\*Note\*\*

The leveling feet on the cabinet itself should **not** be used to raise the unit significantly.

### REQUIRED PARTS AND TOOLS

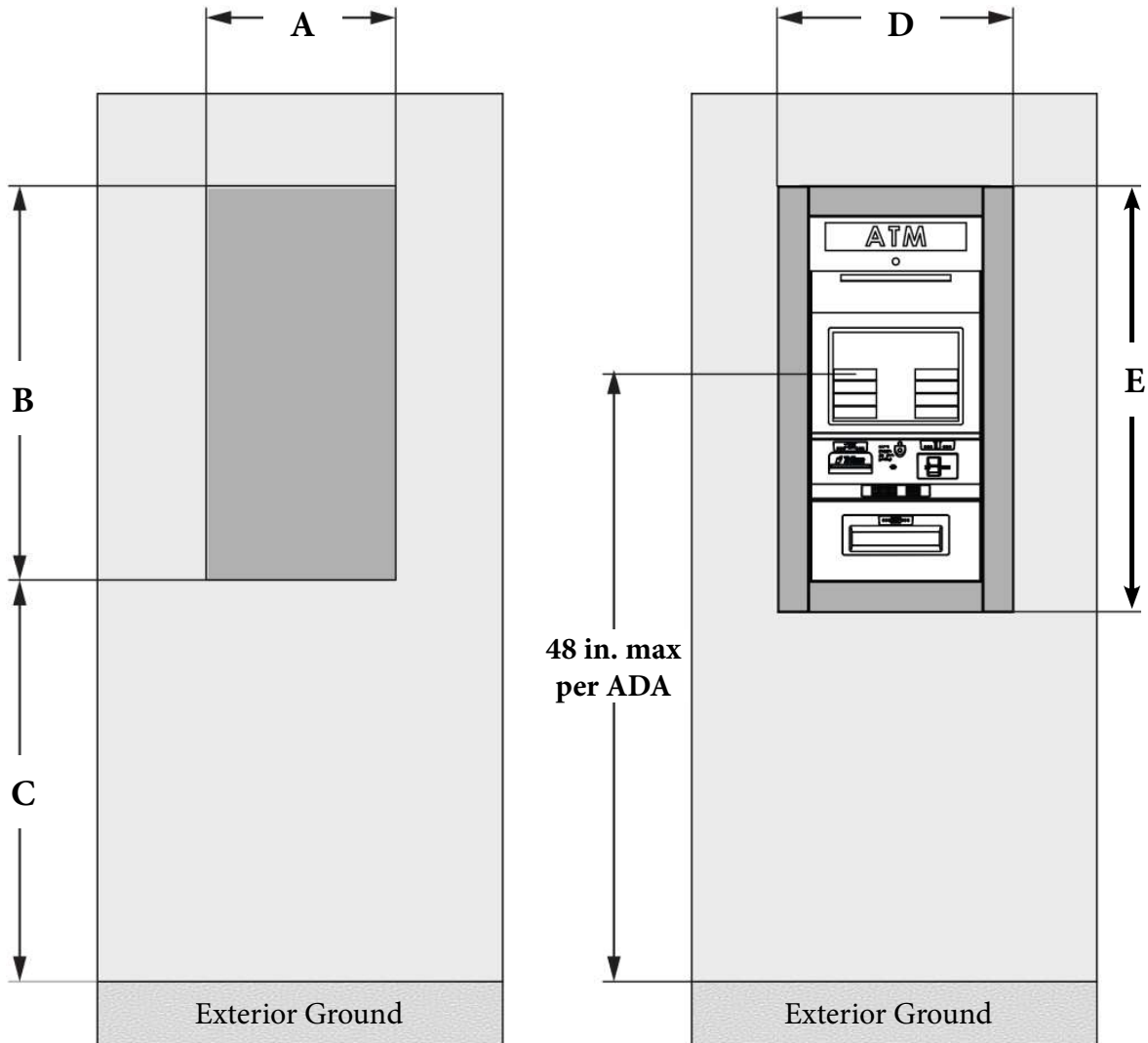
| <b>Required Tools:</b>                                                                                                                                                                                                                                                                       | No. 2 Phillips screwdriver                                | $\frac{3}{4}$ " (19 mm) socket        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------|
|                                                                                                                                                                                                                                                                                              | $\frac{1}{2}$ " carbide-tipped masonry drill bit, 6" long | Adjustable crescent or ratchet wrench |
|                                                                                                                                                                                                                                                                                              | $\frac{1}{4}$ " open-ended or ratchet wrench              | Rotary hammer                         |
|                                                                                                                                                                                                                                                                                              | $\frac{7}{16}$ " box or socket wrench                     | Torque wrench 60 foot-pounds          |
|                                                                                                                                                                                                                                                                                              | $\frac{5}{32}$ " Allen wrench                             | Water-resistant sealant (caulk)       |
|                                                                                                                                                                                                                                                                                              |                                                           |                                       |
| <b>Recommended Tools:</b>                                                                                                                                                                                                                                                                    | Bubble level                                              | Pencil                                |
|                                                                                                                                                                                                                                                                                              | Center punch (for marking drill points)                   | Portable vacuum cleaner               |
|                                                                                                                                                                                                                                                                                              | Chisel                                                    | Screwdriver, large flathead           |
|                                                                                                                                                                                                                                                                                              | Diagonal cutters                                          | Tape measure                          |
|                                                                                                                                                                                                                                                                                              | Framing square                                            | Wire brush                            |
|                                                                                                                                                                                                                                                                                              | Hammer                                                    |                                       |
| Due to the size of the ARGO FT, recommended safety tools include: a lifting/moving device such as a pallet jack, forklift, trolley, etc., Wooden, or metal safety blocks to support the ATM during installation, a crowbar and/or a level, back support belt, ear plugs, and safety goggles. |                                                           |                                       |

## BASIC DIMENSIONS

### WALK UP WALL OPENING/TRIM DIMENSIONS

\*\*Note\*\*

Dimensions listed comply with US Federal ADA Guidelines. For installations in the US, check state guidelines. For international installations, please verify regulations relating to the country of install.



#### Caution

Dimension C in the table below is applicable only if interior and exterior floors are the same height, and ATM is elevated with two, 2.4 in. Triton plinths, totaling a plinth height of 4 3/4 in. (122 mm).

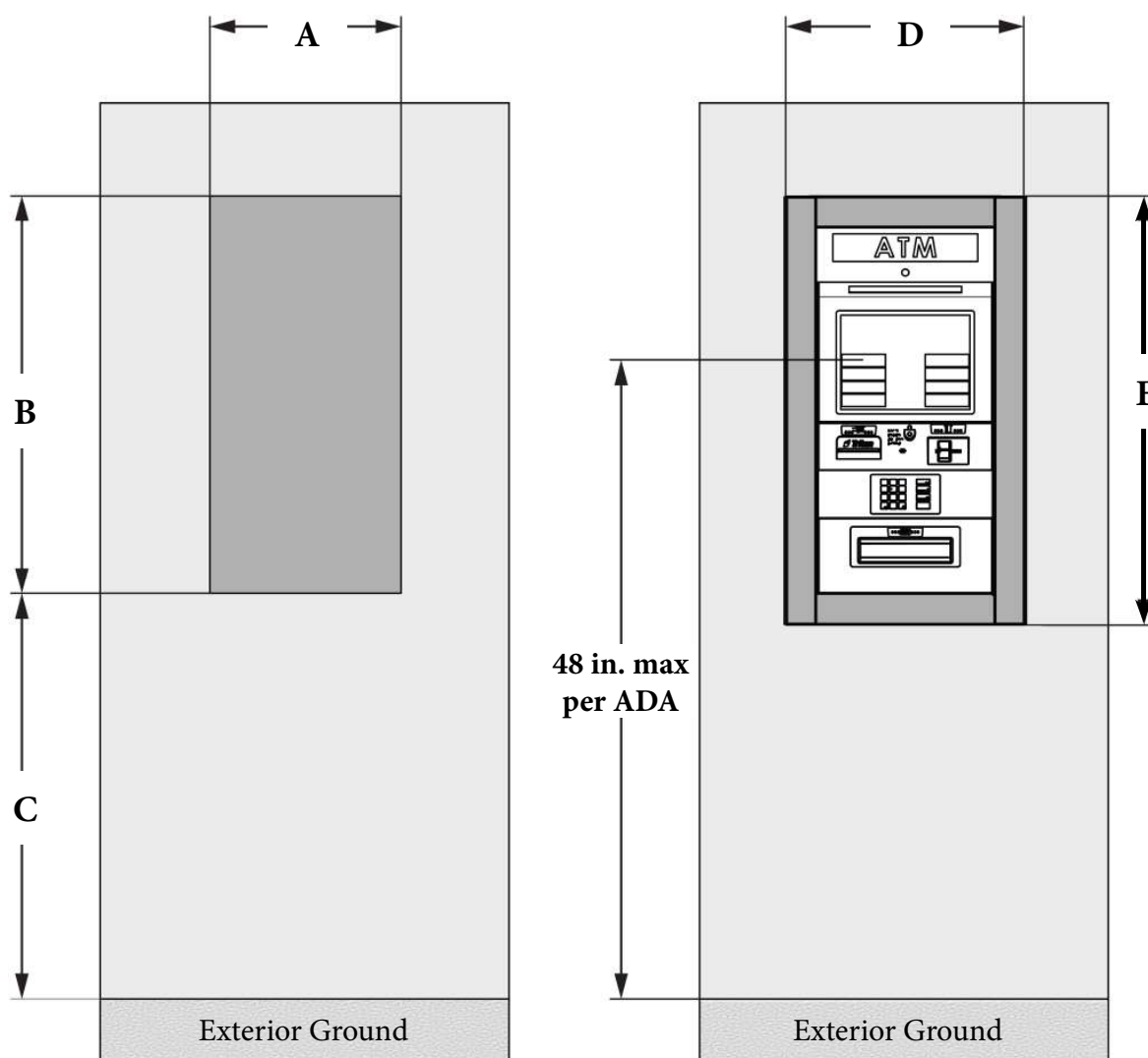
| Recommended Wall Opening Dimensions |                      | Fascia Trim Dimensions |                       | **Height from Exterior Ground |
|-------------------------------------|----------------------|------------------------|-----------------------|-------------------------------|
| *(A) Width                          | *(B) Height          | (D) Width              | (E) Height            | *(C) ADA Compliance           |
| 18 1/8 in.<br>461 mm                | 37 7/8 in.<br>961 mm | 22 9/16 in.<br>573 mm  | 40 7/8 in.<br>1038 mm | 26 5/8 in. max<br>677 mm      |

\* Actual tube dimensions of ARGO FT are (A) 17 1/8 in. (436 mm) and (B) 36 7/8 in. (939 mm).  
Recommended wall openings listed above include 1/2 in. of clearance on all sides.

## DRIVE UP WALL OPENING/TRIM DIMENSIONS

\*\*Note\*\*

Dimensions listed comply with US Federal ADA Guidelines. For installations in the US, check state guidelines. For international installations, please verify regulations relating to the country of install.



### Caution

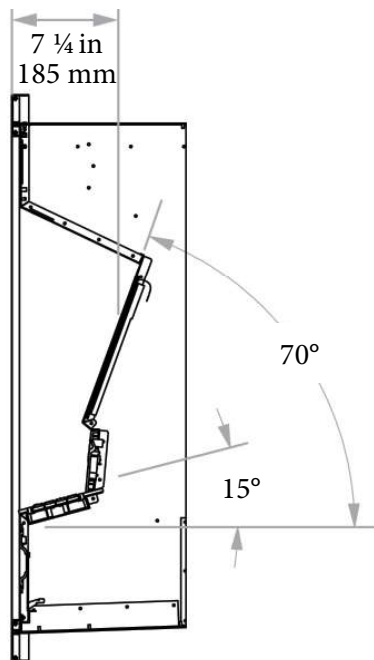
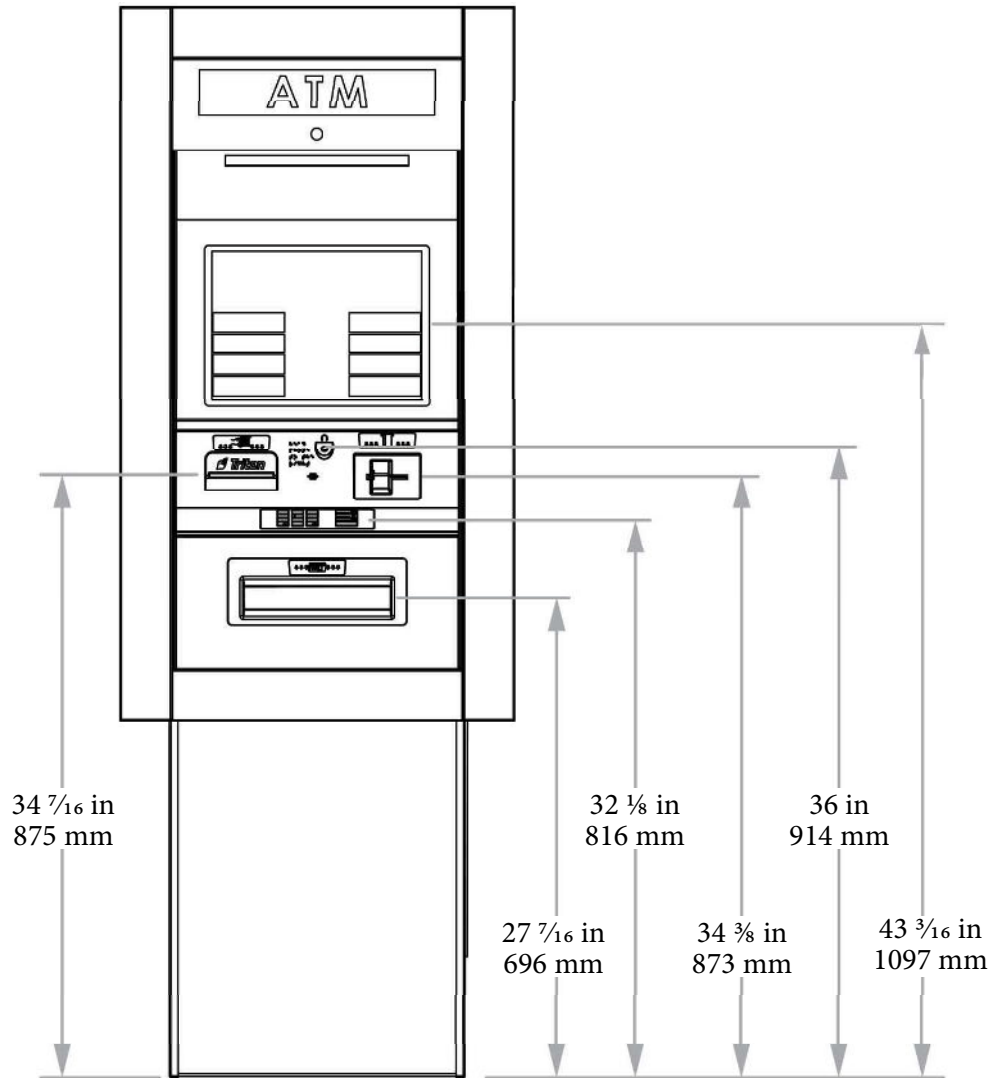
Dimension C in the table below is applicable only if interior and exterior floors are the same height, and ATM is elevated with two, 2.4 in. Triton plinths, totaling a plinth height of 4 3/4 in. (122 mm).

| Recommended Wall Opening Dimensions |                      | Fascia Trim Dimensions |                       | **Height from Exterior Ground |
|-------------------------------------|----------------------|------------------------|-----------------------|-------------------------------|
| *(A) Width                          | *(B) Height          | (D) Width              | (E) Height            | *(C) ADA Compliance           |
| 18 1/8 in.<br>461 mm                | 37 7/8 in.<br>961 mm | 22 9/16 in.<br>573 mm  | 40 7/8 in.<br>1038 mm | 24 1/4 in. max<br>615 mm      |

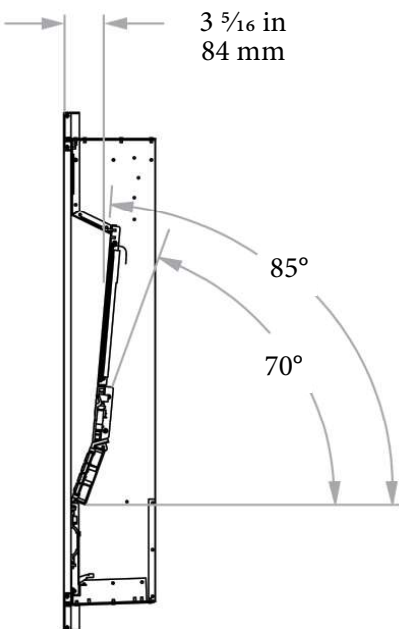
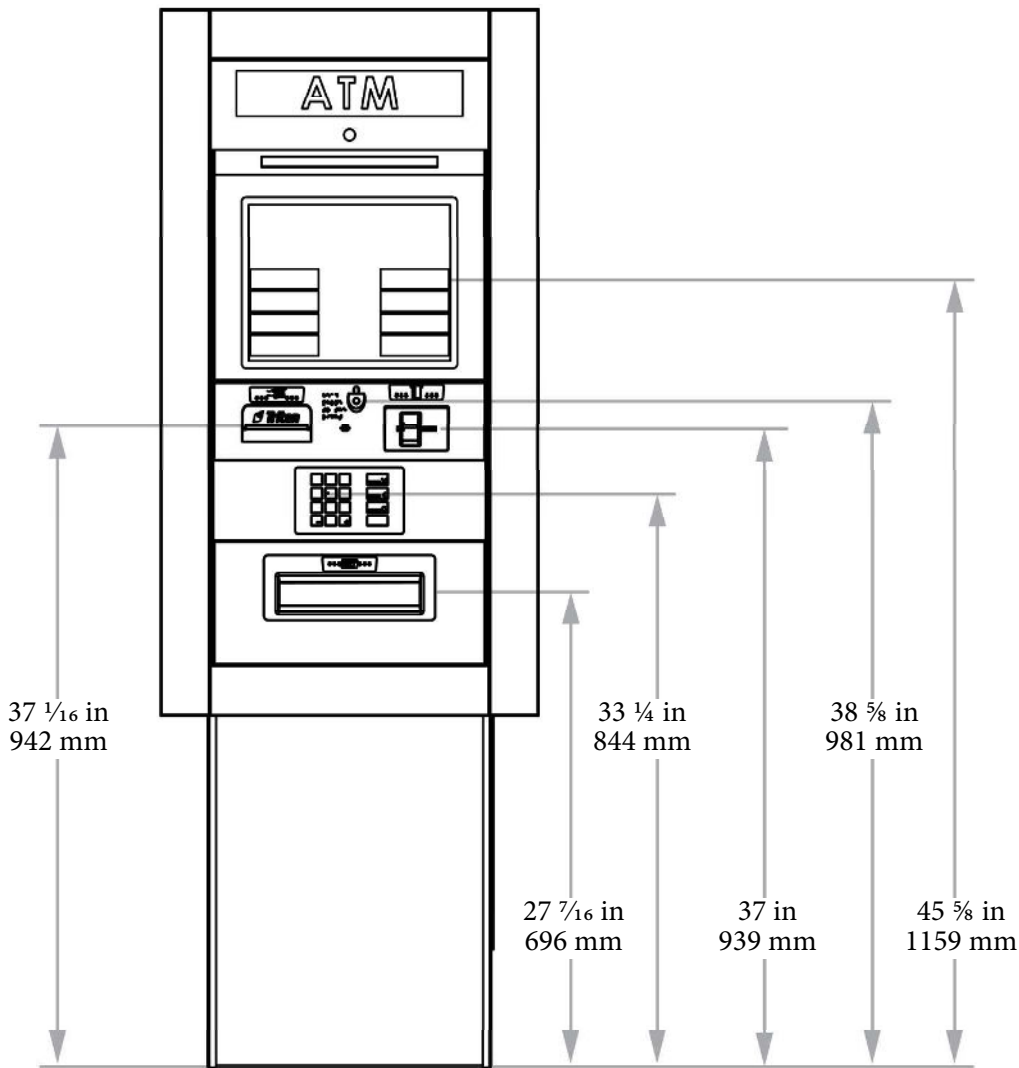
\* Actual tube dimensions of ARGO FT are (A) 17 1/8 in. (436 mm) and (B) 36 7/8 in. (939 mm). Recommended wall openings listed above include 1/2 in. of clearance on all sides.

\*\* This dimension is based on the high forward reach item, the top function key, being 48 inches maximum per ADA Guidelines.

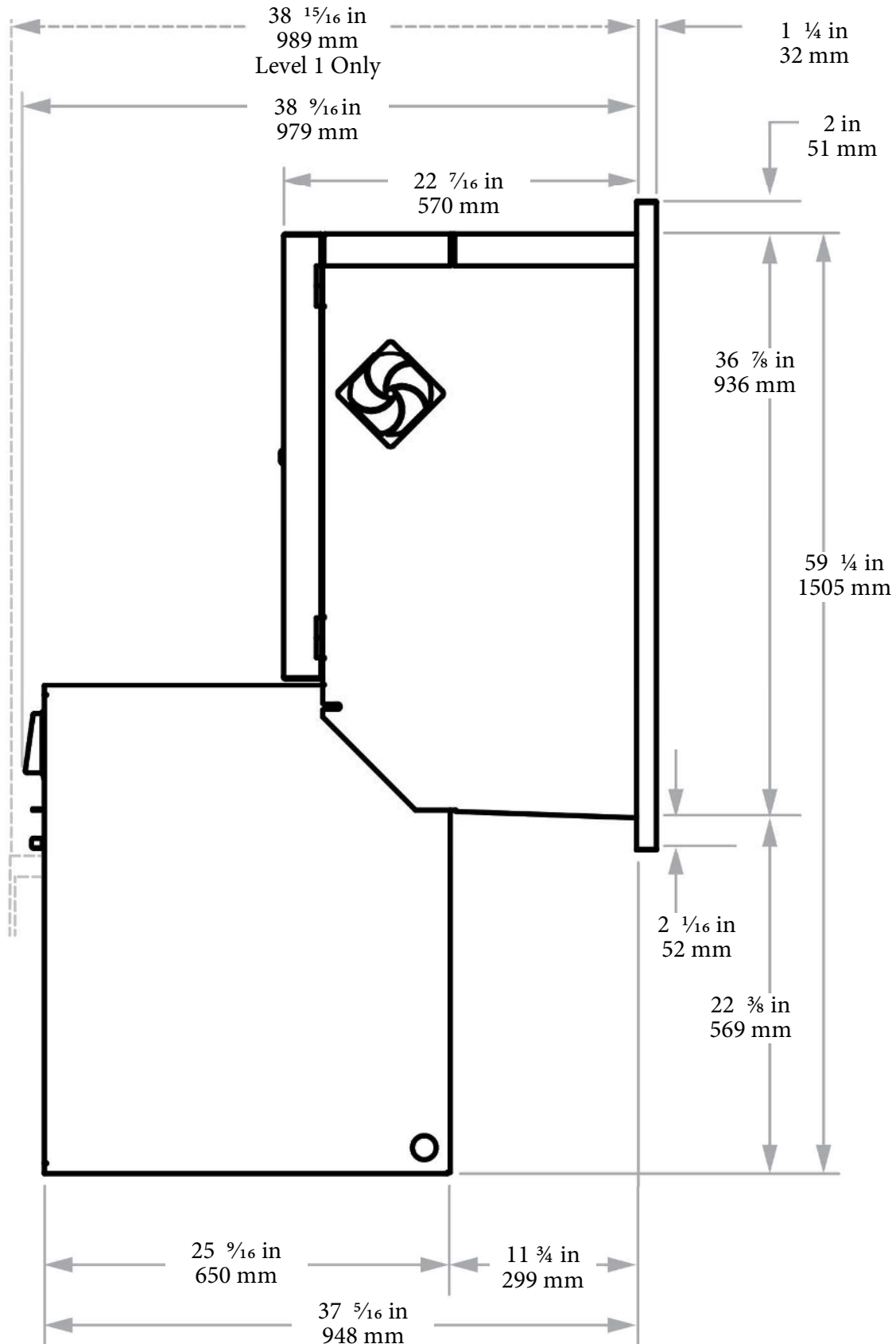
**CUSTOMER ACCESS DIMENSIONS - WALK UP ONLY  
BUSINESS HOURS AND LEVEL 1**



**CUSTOMER ACCESS DIMENSIONS - DRIVE UP ONLY**  
**BUSINESS HOURS AND LEVEL 1**



**PHYSICAL DIMENSIONS - THICK WALL - WALK UP AND DRIVE UP  
BUSINESS HOURS AND LEVEL 1**

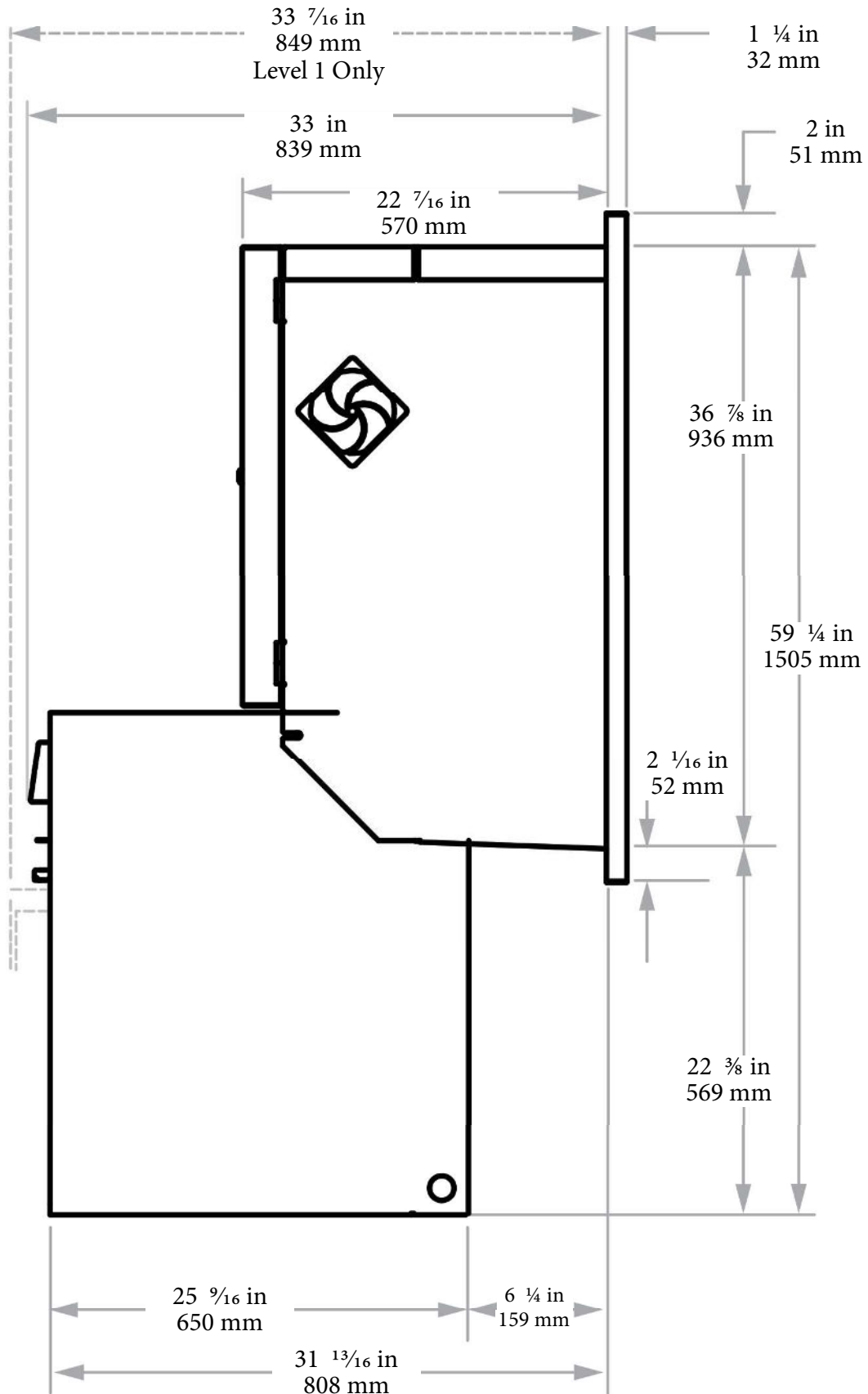


**\*\*Note\*\***

Handle indicated by dashed line is present on Level 1 only.

**PHYSICAL DIMENSIONS - THIN WALL SIDE VIEW - DRIVE UP ONLY**

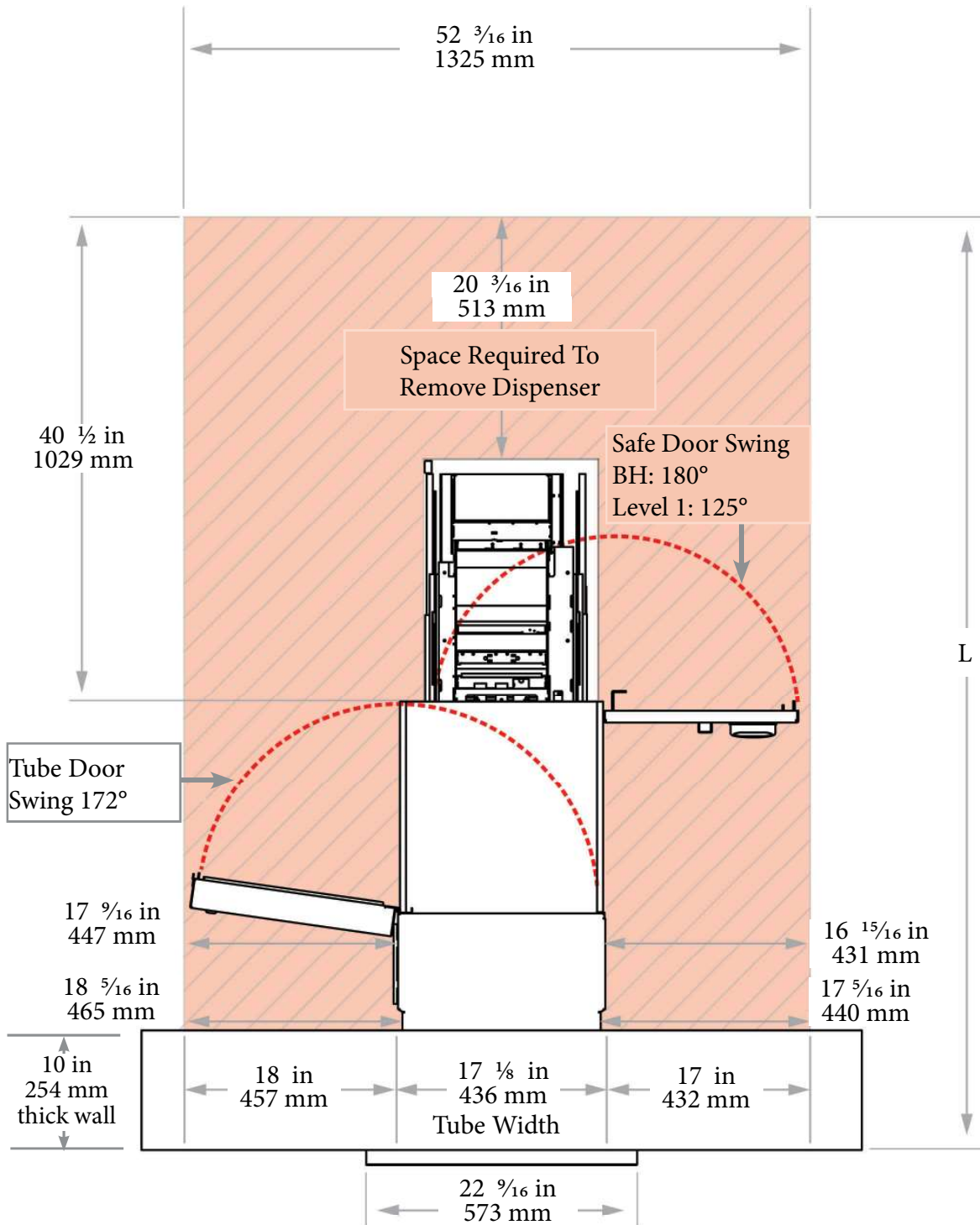
**BUSINESS HOURS AND LEVEL 1**



**\*\*Note\*\***

Handle indicated by dashed line is present on Level 1 only.

# PREFERRED NMD100 SERVICE AREA

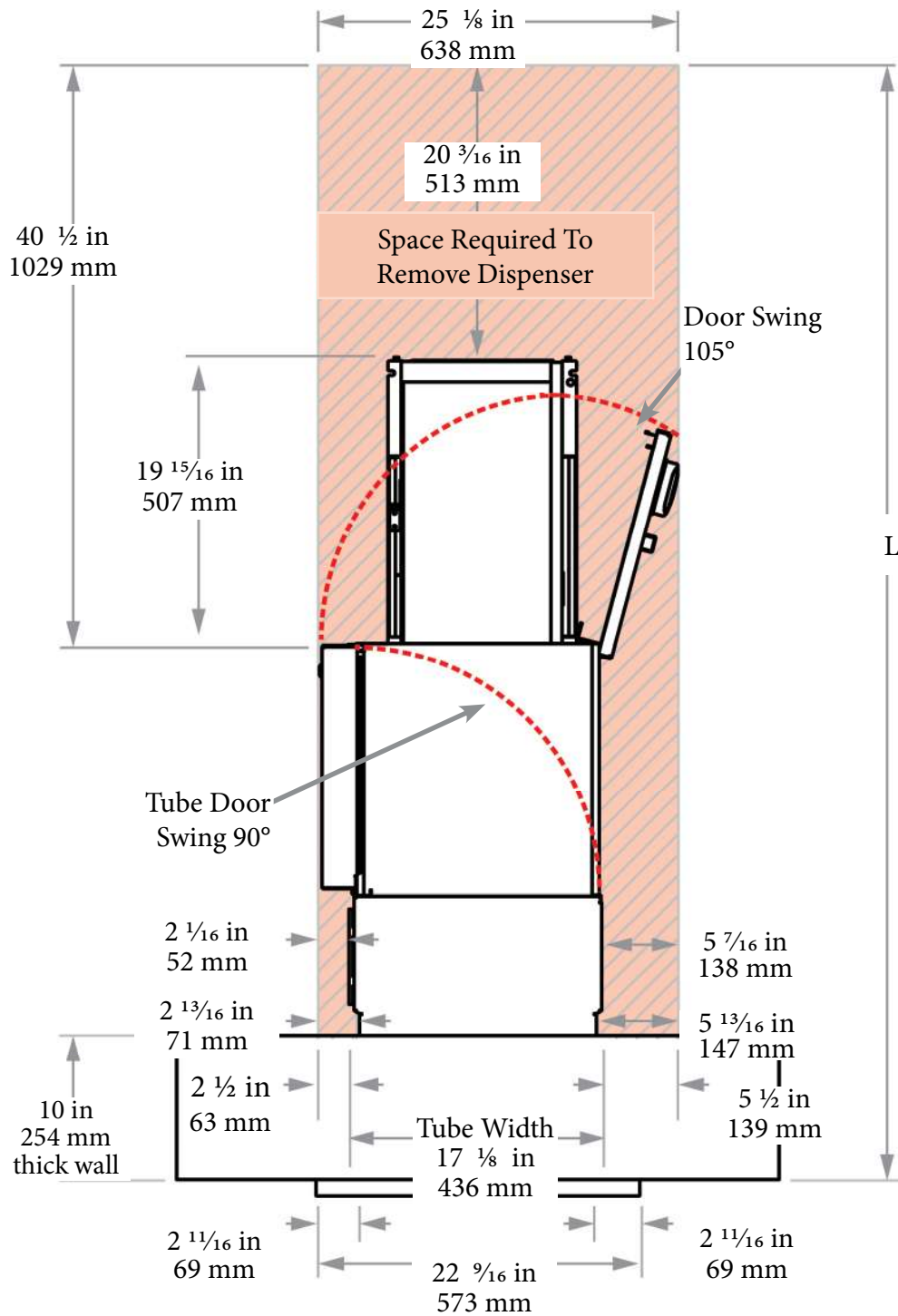


**\*\*NOTE\*\***

Drawing not to scale

| Configuration (BH and Level 1) | L                    |
|--------------------------------|----------------------|
| Thick Wall Walk Up & Drive Up  | 77 13/16 in. 1977 mm |
| Thin Wall Drive Up Only        | 72 5/16 in. 1837 mm  |

# MINIMUM NMD100 SERVICE AREA - BUSINESS HOURS CABINET

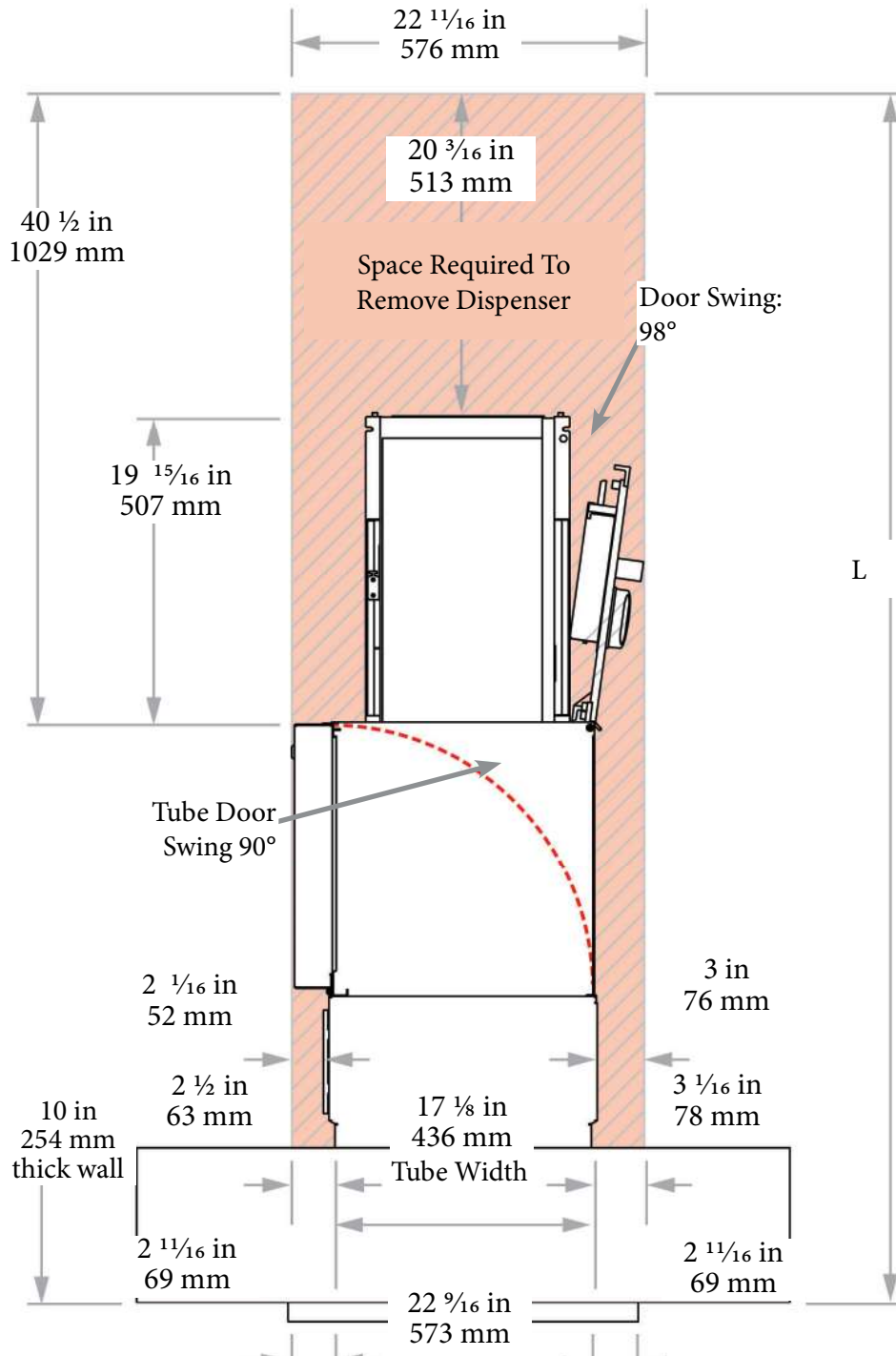


**\*\*NOTE\*\***  
Drawing not to scale

| Configuration Business Hours  | L                    |
|-------------------------------|----------------------|
| Thick Wall Walk Up & Drive Up | 77 13/16 in. 1977 mm |
| Thin Wall Drive Up Only       | 72 5/16 in. 1837 mm  |

 Service Area

# MINIMUM NMD100 SERVICE AREA - LEVEL 1 VAULT



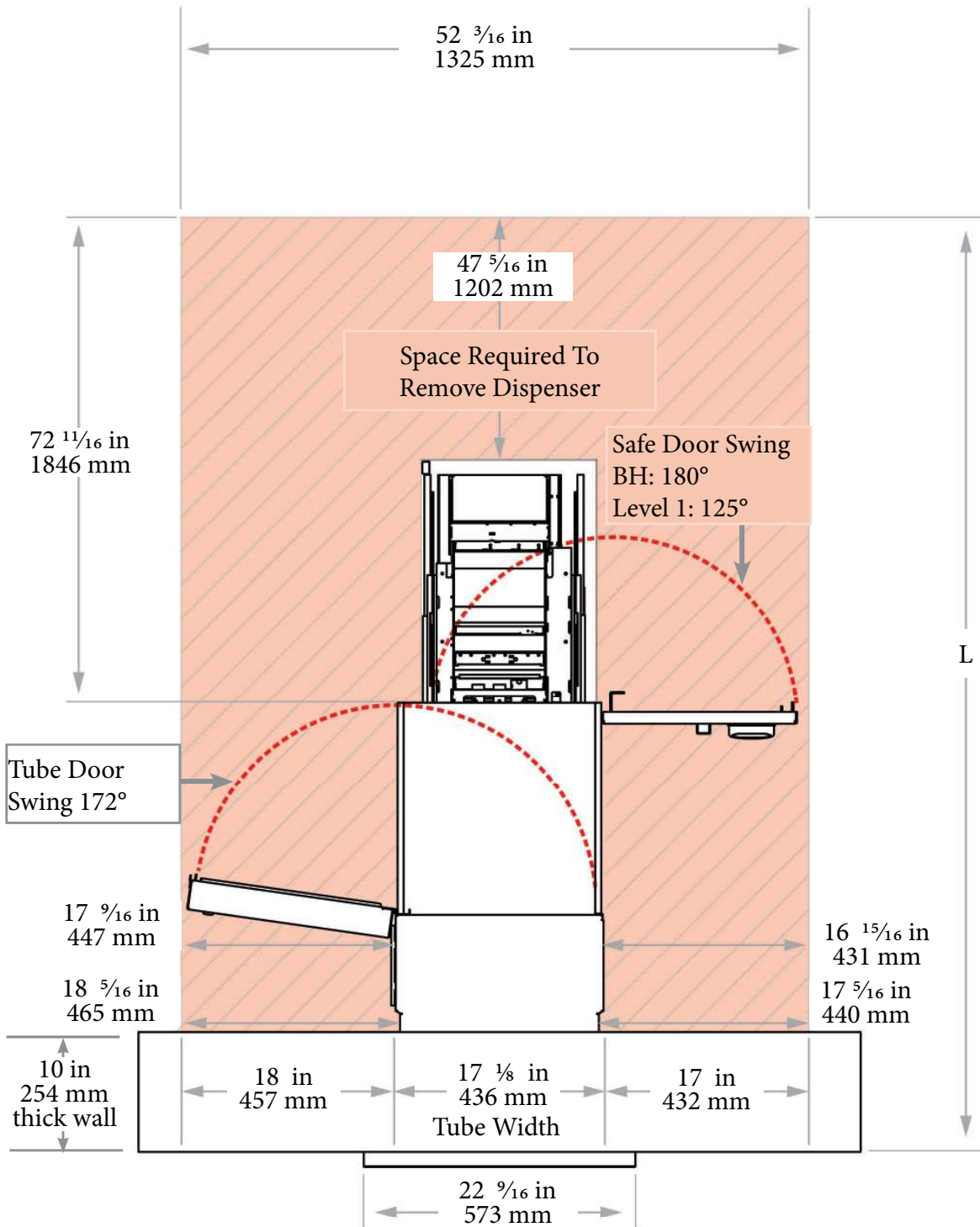
**\*\*NOTE\*\***

Drawing not to scale

| Configuration Level 1 Vault   | L                                            |
|-------------------------------|----------------------------------------------|
| Thick Wall Walk Up & Drive Up | 77 <sup>13</sup> / <sub>16</sub> in. 1977 mm |
| Thin Wall Drive Up Only       | 72 <sup>5</sup> / <sub>16</sub> in. 1837 mm  |

Service Area

# PREFERRED CDM8240N SERVICE AREA

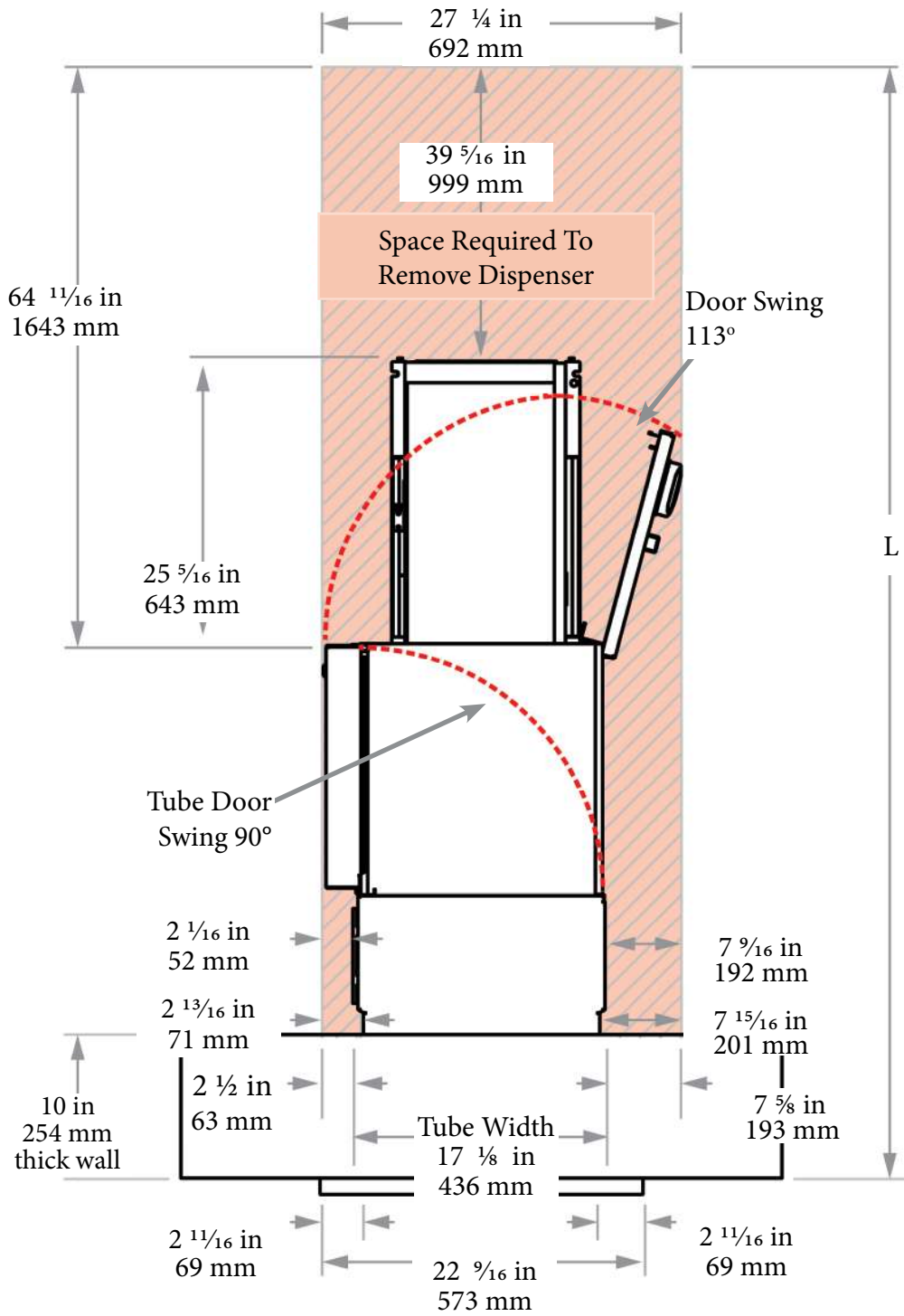


**\*\*NOTE\*\***

Drawing not to scale

| Configuration (BH and Level 1) | L                 |
|--------------------------------|-------------------|
| Thick Wall Walk Up & Drive Up  | 110 in. 2794 mm   |
| Thin Wall Drive Up Only        | 104.5 in. 2654 mm |

## MINIMUM CDM8240N SERVICE AREA - BUSINESS HOURS CABINET

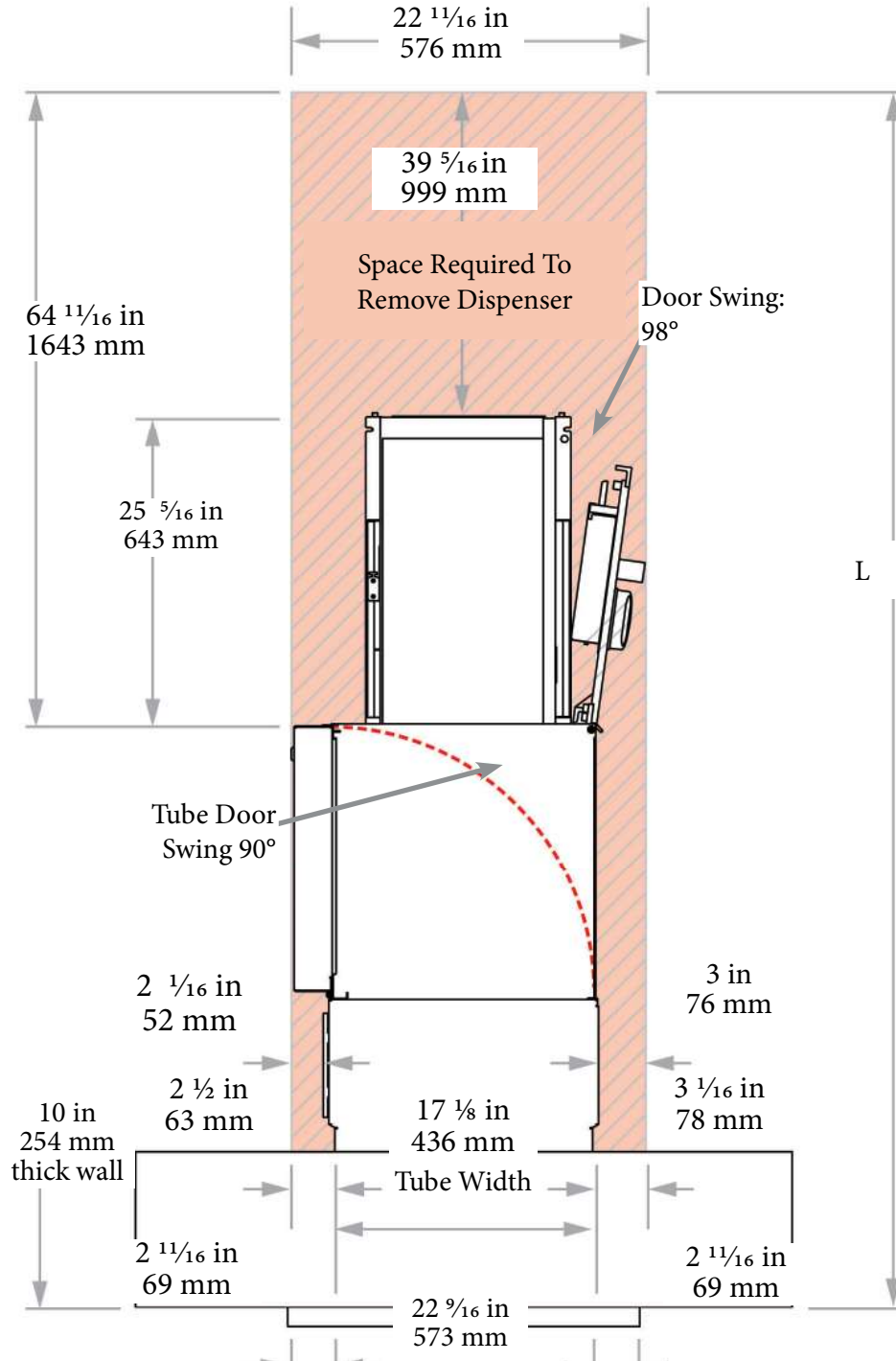


**\*\*NOTE\*\***

Drawing not to scale

| Configuration Business Hours  | L                  |
|-------------------------------|--------------------|
| Thick Wall Walk Up & Drive Up | 102 in. 2591 mm    |
| Thin Wall Drive Up Only       | 96 1/2 in. 2451 mm |

# MINIMUM CDM8240N SERVICE AREA - LEVEL 1 VAULT

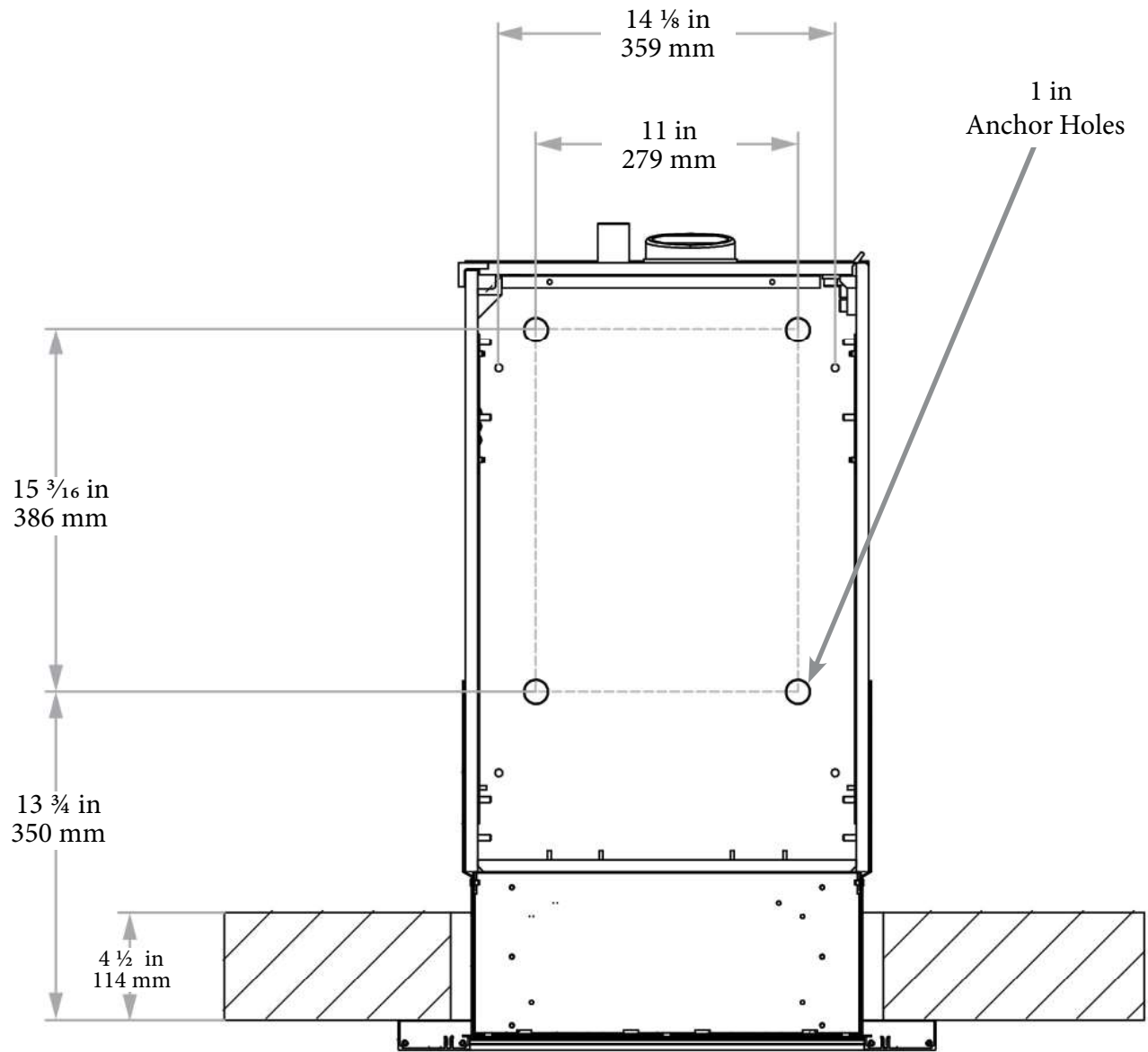


**\*\*NOTE\*\***

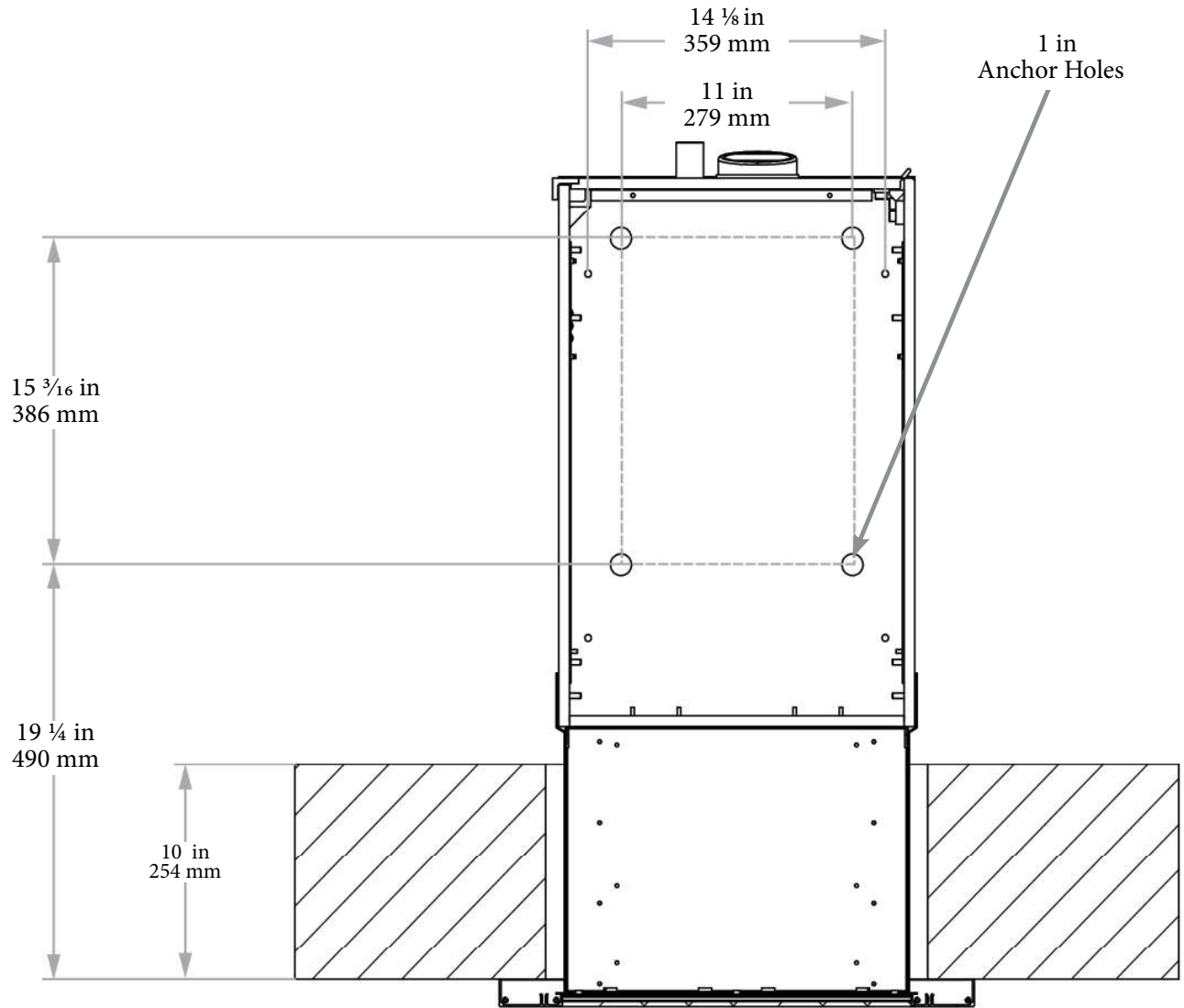
Drawing not to scale

| Configuration Level 1 Vault   | L                                          |
|-------------------------------|--------------------------------------------|
| Thick Wall Walk Up & Drive Up | 102 in. 2591 mm                            |
| Thin Wall Drive Up Only       | 96 <sup>1</sup> / <sub>2</sub> in. 2451 mm |

## CABINET FOOTPRINT - THIN WALL DRIVE UP



## CABINET FOOTPRINT - THICK WALL



## **INSTALLATION**

After unpacking the unit, carefully inspect the ATM and accessories for shipping damage. Report any damage to shipping company immediately. Refer to complete retail warranty statement at [www.triton.com](http://www.triton.com) for policies and procedures related to shipping damage.

### **UNLOCK THE ELECTRONIC COMBINATION LOCK BUSINESS HOURS CABINET**

The electronic lock combination consists of six digits. Upon arrival, the combination is set at the factory-default setting of 1-2-3-4-5-6. To open an electronic lock, follow the steps below:

**\*\*Note\*\***

After each key press, the lock will beep. After the final digit is entered, the lock will beep twice and the 4-second open period will begin.

1. Enter the six-digit combination. If successfully entered, the lock will beep twice.
2. After the lock opens, the door may be opened. Open door by lifting on the lever under the tab on the vault door. The bolt will retract when the door is opened on the swingbolt style lock.

Invalid code entry - Lock will beep three times if combination entered incorrectly. Repeat steps 1 - 2.

### **LEVEL 1 CABINET**

The electronic lock combination consists of six digits. Upon arrival, the combination is set at the factory-default setting of 1-2-3-4-5-6. To open the electronic lock, follow the steps below:

**\*\*Note\*\***

After each key press, the lock will beep. After the final digit is entered, the lock will beep twice, and the 4-second open period will begin.

1. Enter the six-digit combination. If successfully entered, the lock will beep twice.
2. Turn the outer dial clockwise to the open position within four seconds.
3. After the lock opens, the door may be opened.

Invalid code entry - Lock will beep three times if combination entered incorrectly. Repeat steps 1 - 3.

## REMOVE THE NMD100 DISPENSER

### WARNING

Triton recommends two technicians remove the dispenser to prevent personal injury and/or damage to the dispenser or cabinet.

The dispenser for the ARGO FT will be installed in the cabinet/vault during shipping. Protective foam blocks are placed behind and along each side of the dispenser to prevent damage during transit. Remove the foam blocks protecting the NMD100 dispenser before putting the unit into service.

1. Open the upper cabinet door. Verify the power switch on the power supply is in the OFF (O) position.
2. Open the security vault and remove all protective foam or cardboard blocks from around the dispenser mechanism.
3. Remove the  $\frac{5}{32}$ " Allen screws marked by **RED** arrows, on the top, front of each slide rail. Discard after removal.
4. Disengage the locking pin marked by a **YELLOW** arrow, on the left slide rail by pulling up on the locking pin, then sliding the dispenser out.



5. Slide dispenser out of the cabinet until it reaches a fully extended position.



6. Cut and remove tie-wrap attaching serial communications cable, and shutter cables from NMD100 cover marked by a **YELLOW** arrow.



7. Disconnect the AC power cable from the power supply marked by a **YELLOW** arrow.



8. Remove two screws to disconnect the cable routing bracket on the right side of the dispenser.



9. Grab the green handles located on each side of the dispenser, lift dispenser off rails, and slide out of cabinet.
10. Place dispenser in a safe location during cabinet installation. Slide dispenser rails into the cabinet.
11. Dispenser may be reinstalled anytime after cabinet is bolted to the floor or plinth structure, and all power and/or communications cords have been routed through cabinet.

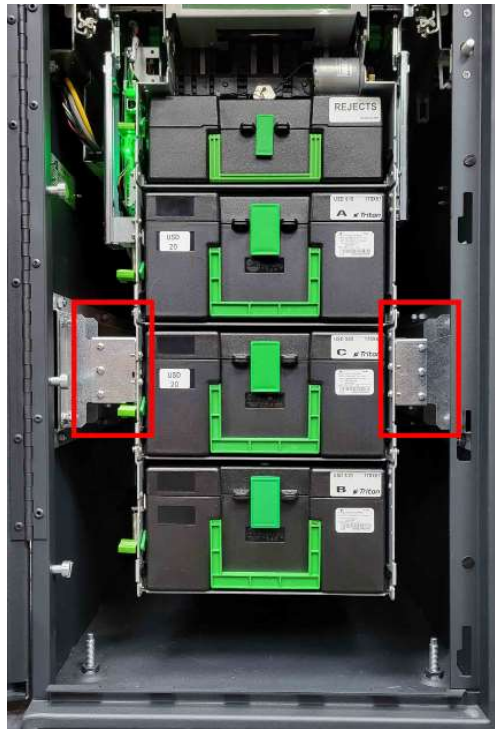
## REMOVE THE CDM8240N DISPENSER

### WARNING

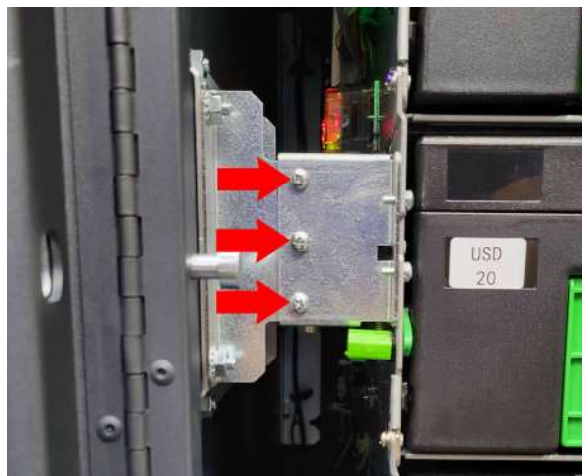
Triton recommends two technicians remove the dispenser to prevent personal injury and/or damage to the dispenser or cabinet.

The dispensing mechanism for the ARGO FT will be installed in the cabinet/vault during shipping. Shipping brackets are placed on each side of the dispenser to prevent damage during transit. Remove the brackets and store in a safe location before placing the unit into service.

1. Open the upper cabinet door. Verify the power switch on the power supply is in the OFF (O) position.
2. In the image below, open the security vault and locate the left and right shipping brackets marked by **RED** rectangle.



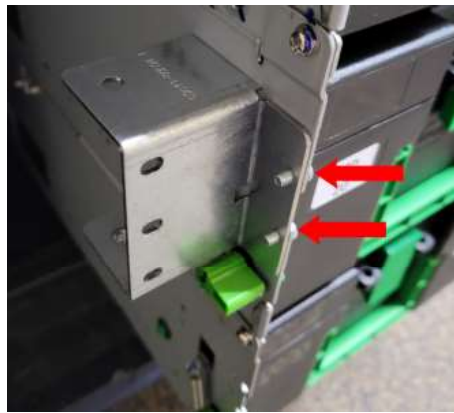
3. In the image below, remove the three screws from the left bracket marked by **RED** arrows.



4. In the image below, remove the three screws from the right bracket marked by **RED** arrows.



5. In the image below, remove the two screws connecting the left shipping brackets from the left side of dispenser marked by **RED** arrows.



6. In the image below, remove the two screws connecting the right shipping brackets from the right side of dispenser marked by **RED** arrows.

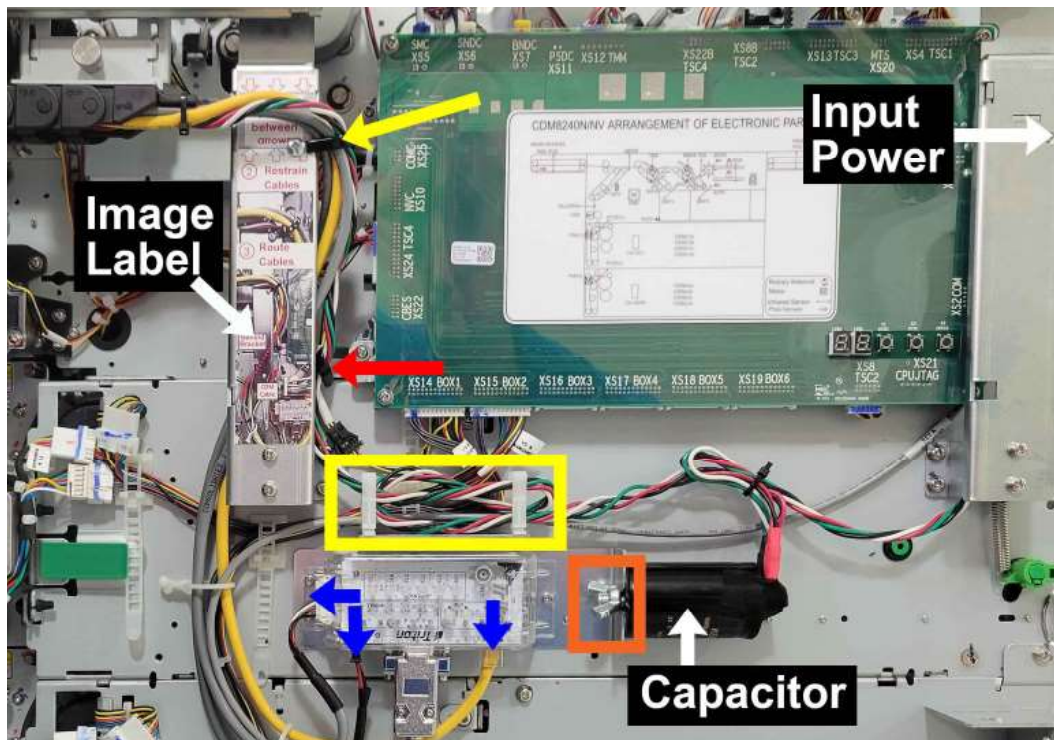


7. Store the ten screws and two brackets in the bottom of the cabinet to be utilized in the event the ATM needs to be shipped in the future with the dispenser installed

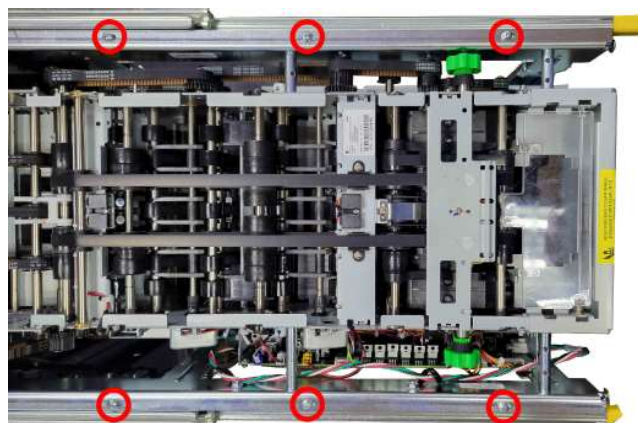
## DISCONNECT CDM8240N CABLES

Navigate via *Management Functions > (5) System Parameters > (4) Shut Down The Terminal*. Press Enter to continue. When the user sees the message 'it is safe to shutdown your PC', power ATM power supply off.

1. Disconnect the Input Power connector, WHITE arrow, from the Mainboard.
2. Disconnect the three plugs, BLUE arrows, connected to the Security Module. Separate these three cables from other cables.
3. Remove the Power cable from the two-WHITE square-cable holders in the **YELLOW** rectangle.
4. Loosen, **DO NOT Remove**, the wing nut, **ORANGE** box, holding the capacitor to the Security Module. Slide capacitor off the bracket.
5. Release cable clamps marked by **RED** circles. Feed cables from behind the dispenser bracket. NOTE: Power cable not routed behind the bracket.
6. Loop all cables from the cable track over the vault door.



7. In the image below, remove and save the six screws securing the dispenser to the cabinet rails marked by **RED** circles.

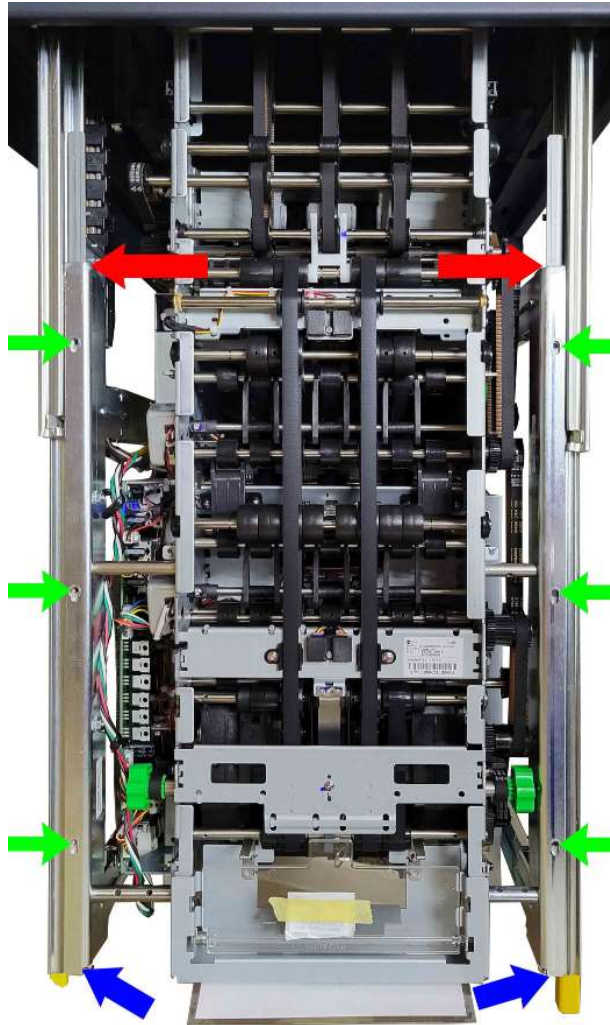


**Two technicians required:**

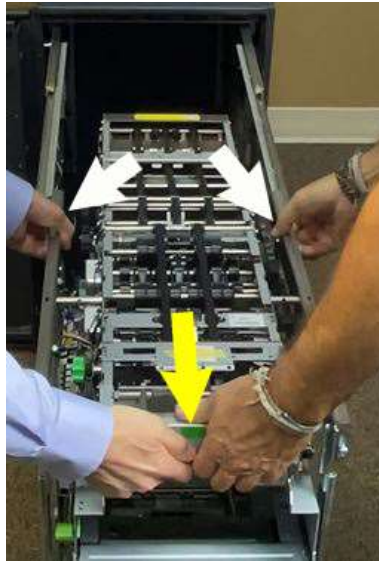
**Caution**

After removing the six screws, **GREEN** arrows, shown below, caution is required by the technicians when sliding the dispenser out.

- DO NOT allow the dispenser brackets marked by **RED** arrows to slide past the end of the vault rails marked by **BLUE** arrows or the falling CDM will be damaged or personal injury could occur.



8. In the image below, the two technicians should hold the CDM's transport bracket marked by a **YELLOW** arrow.
- Grab the bracket top edge near the third screw holes marked by **WHITE** arrows.
  - Slide CDM off the rails and set onto the floor.



9. In the image below, press the yellow tab down on each slide rail marked by **GREEN** arrows. Push rails into the vault.



10. Place CDM8240N dispenser in a safe location during cabinet installation.  
11. Slide rail inside the vault.

## INSTALL CABINET THROUGH WALL OPENING

### \*\*Note\*\*

- Triton recommends removing the NMD100/CDM8240N Dispenser before installing the cabinet into the wall opening.
  - Before installing a Triton plinth, extend the plinth leveling feet at least  $\frac{1}{4}$  inch to ensure enough clearance for an open-ended wrench for additional adjustments.
  - Leveling feet on plinths and/or ATMs are primarily for leveling the unit. These should not be used to try to raise the height of the unit by a significant amount.
1. Using an appropriate lifting/moving device, move cabinet into place and slide unit so that the tube is positioned near the wall opening/wall. Do not install the control panel trim at this time.
  2. Measure distance from the bottom of the wall opening to the bottom of the tube. This is the height requirement of the plinth, if needed. Add  $\frac{1}{8}$  inch (3.175 mm) to your measurement for clearance.

### Caution

Use care when placing the unit on the plinth to avoid damaging the tube and control panel electronics mounted inside.

3. If a plinth is used, mount the cabinet on the plinth. Anchor the cabinet to the plinth using bolts supplied with the optional Triton plinth(s), or bolts acquired to fit your custom-built plinth. Ensure bolts are tightened sufficiently to secure the unit to the plinth during moving.

### Caution

Tube must protrude from the exterior wall a minimum of  $\frac{5}{8}$  inch to install control-panel trim.

4. Once plinth is installed or if no plinth is required, slide the unit forward into the wall opening so that tube protrudes from the exterior wall. Minor adjustments for raising/leveling the unit can be made using the cabinet and/or plinth leveling feet.
5. Locate the control panel trim included with the unit accessories and temporarily mount control panel trim by inserting three hooks on the bottom of the trim with three slots on the bottom of the tube, then rocking the trim toward tube until the four hooks on each side of the trim fit into corresponding slots on the tube. Insert hooks into slots, then slide downward firmly. (See next page for instructions.)
6. Slide unit back until control panel trim is flush with the exterior wall. If applicable, adjust the unit and/or plinth leveling feet to ensure control panel trim is flush and cabinet is correct height.
7. Mark anchor holes through cabinet floor, or mark around plinth structure using masking tape, pencil, etc.
8. Remove control-panel trim, then slide unit away from the wall opening.
9. If a plinth is used, remove the plinth from unit. Align the plinth over markings/outline created in Step 8 and mark anchor holes.

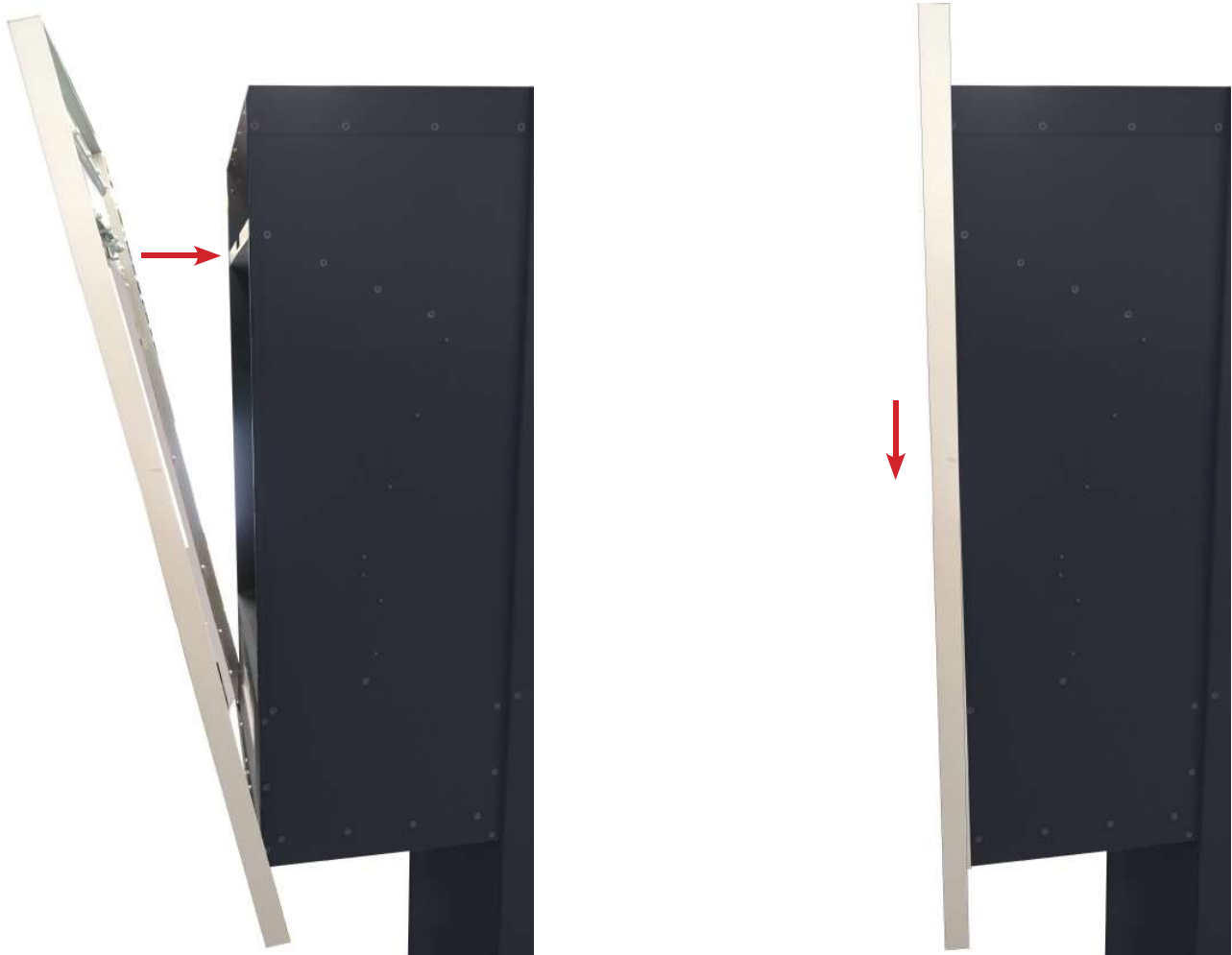
### Caution

Tube must protrude from the exterior wall a minimum of  $\frac{5}{8}$  inch to install control-panel trim.

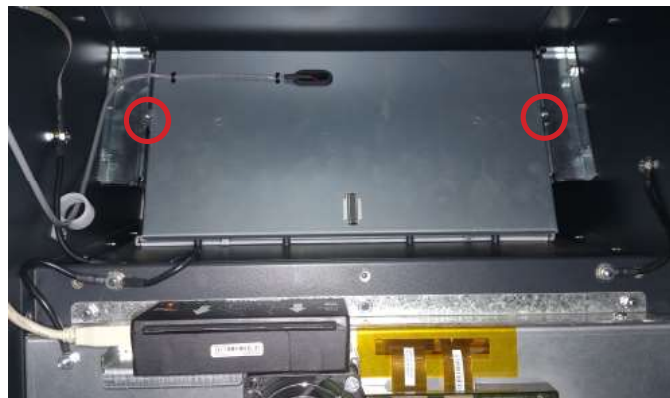
10. Drill anchor holes, then secure plinth to interior floor. If no plinth is used, drill anchor holes, then slide unit forward into wall opening so that tube protrudes from the exterior wall.
11. If a plinth is used, mount the unit onto the plinth, then slide the unit forward into the wall opening so that tube protrudes from the exterior wall.

## INSTALL CONTROL PANEL TRIM

1. Mount control panel trim by inserting three hooks on the bottom of the trim with three slots on the bottom of the tube, then rocking the trim toward tube until the four hooks on each side of the trim fit into corresponding slots on the tube.
2. After hooks are inserted, slide trim down firmly.



3. Once trim is seated securely, open rear cabinet door.
4. Remove two screws securing the light bracket.



5. Flip the light bracket up to access the ATM sign. Light bracket is held open magnetically.
6. Using the two screws removed from light bracket, secure the control panel trim above the ATM sign.



7. Once control panel trim is secured, flip light bracket down over ATM sign
8. With one person on the exterior and one person on the interior, slide the unit back until control panel trim is flush with the outside wall.
9. Make any final adjustments necessary with leveling feet to ensure control panel trim is flush and cabinet is correct height.
10. Secure/anchor cabinet to the floor or plinth.

### SEAL CONTROL PANEL TRIM

Preparing the wall opening correctly is important. Any cavity in the wall should be sealed to provide a flush surface. A suitable water-resistant sealant is required around the periphery of the control panel trim on the exterior wall. This seal is necessary to prevent water intrusion. The gap between the ATM and the wall opening should be left clear to allow air to circulate at room temperature on the interior.

#### Caution

Do not seal between the bottom edge of the control-panel trim and exterior wall to allow water to drain.

1. Using a water-resistant sealant, such as caulk, seal the control panel trim to the exterior wall along the top edge and both sides, as shown above.
2. Do not caulk the bottom edge of trim.
3. If ARGO FT is not located under an awning, seal the inner perimeter of the control-panel trim to the control panel along all four sides.



Required- seal  
outer perimeter

If no awning, seal inner  
perimeter of trim

## ROUTE AC POWER AND CAT-5 COMMUNICATIONS CABLE

### \*\*Note\*\*

Before attaching power cables, unlock and open the top cabinet door. Verify that the power switch on the power supply is in the OFF (O) position, then close rear panel cabinet door.

1. Open the vault door.
2. Route the AC power cord and communications cable (CAT-5 or phone line) through the applicable cable access hole. Cable access holes are located in front, bottom corners of the cabinet nearest the exterior wall.
3. Install either the external round plugs into the corner holes or accessory kit internal corner brackets onto studs in the bottom front corners of the vault. Ensure cables run over the top of the bracket so cables are not pinched between the bracket and vault.



4. Plug the AC power cord into wall outlet.
5. Plug communications cable (CAT-5 or phone line) into mounted wall jack.

### \*\*Note\*\*

Whether installing a new AC power outlet, or using an existing outlet, ensure the following requirements are met:

- The outlet is located near the ATM unit and is easily accessible. The power outlet should not be blocked once the unit is installed.
- AC power for the terminal comes from a dedicated source with an isolated ground. The ATM is designed to work on an IT-type (isolated terra) power system in which the phase-to-phase voltage does not exceed 240 volts.

## **TCP/IP (ETHERNET)**

Triton ATMs communicates using TCP (Transmission Control Protocol) and IP (Internet Protocol), which allow units to send and receive information in the form of small packets of digital data. ATM functions, such as customer transactions and remote monitoring, can be performed using an existing in-house communications network. Triton ATMs are equipped with an SSL (secure socket layer) option and loaded with public SSL certificates for secure communications. Host processors may require additional SSL certificates. See the Configuration Manual for more information on configuring TCP/IP.

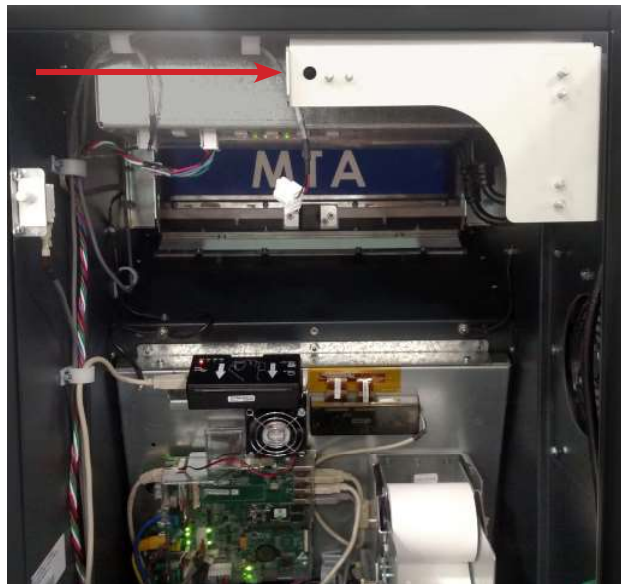
## **MODEM OPTION**

Triton also offers an optional modem for instances in which a dial-up telephone line is the only option for communications. Modems are standard parts for the ATM and must be purchased separately.

## INSTALL REAR SERVICE PANEL

The rear service panel is shipped with the unit accessories. After unpacking the unit, carefully inspect the ATM and accessories for shipping damage. Report any damage to shipping company immediately. Refer to complete retail warranty statement at [www.triton.com](http://www.triton.com) for policies and procedures related to shipping damage.

1. If the unit is on, perform a proper shutdown of the terminal via *Management Functions > (5) System Parameters > (4) Shut Down the Terminal*.
2. Open the top cabinet door.
3. When prompted, turn the power switch on the power supply to the OFF (O) position.
4. Remove the blue tape from rear service panel mounting bracket. The mounting bracket for the rear service panel is located in the upper right corner of the cabinet, just inside the rear service door.
5. Remove the screw from the rear service panel mounting bracket. Retain for reinstallation.



### Warning

Inspect the mounting bracket studs and rear service panel mounting holes carefully. The studs have grooves for the rear service panel to mount onto. Ensure the rear service panel is securely seated onto all three mounting studs. Failure to do so may allow the rear service panel to dislodge, causing possible physical and/or electrical damage to service personnel or rear service panel.



6. Mount the rear service panel on the mounting studs located on the bracket. The panel should be mounted so that data cable connectors are on the bottom side of the panel.

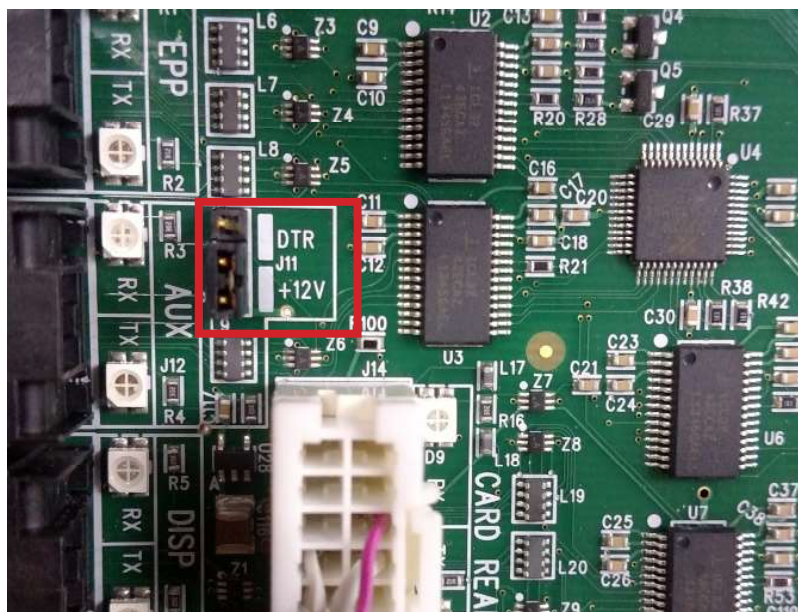


7. Once rear service panel is securely mounted, reinstall the screw.
8. Connect the data cable to the rear service panel. Tighten two thumb screws to secure the cable.



**\*\*Note\*\***

Verify that the jumper J11 on the Mainboard is set to 12V to supply sufficient power to the rear service panel.

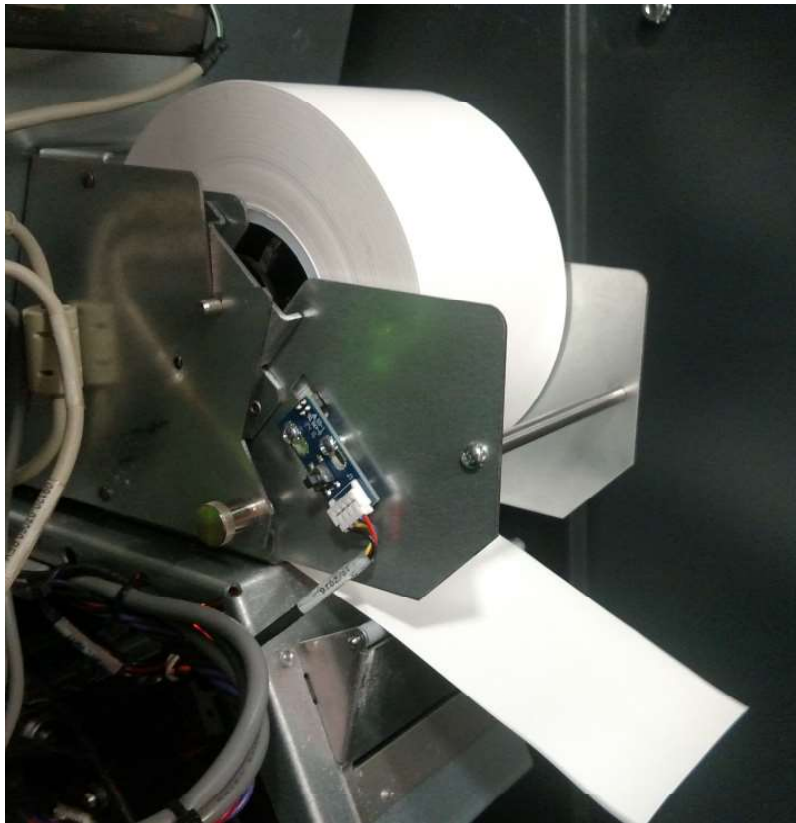


## LOAD RECEIPT PAPER

1. With the unit powered on, open the top cabinet door.
2. Remove the green screw from the left side of the receipt printer.
3. Remove receipt paper roll and spindle from accessories.
4. Place the paper roll on the spindle. Ensure paper feeds from the top of the roll.

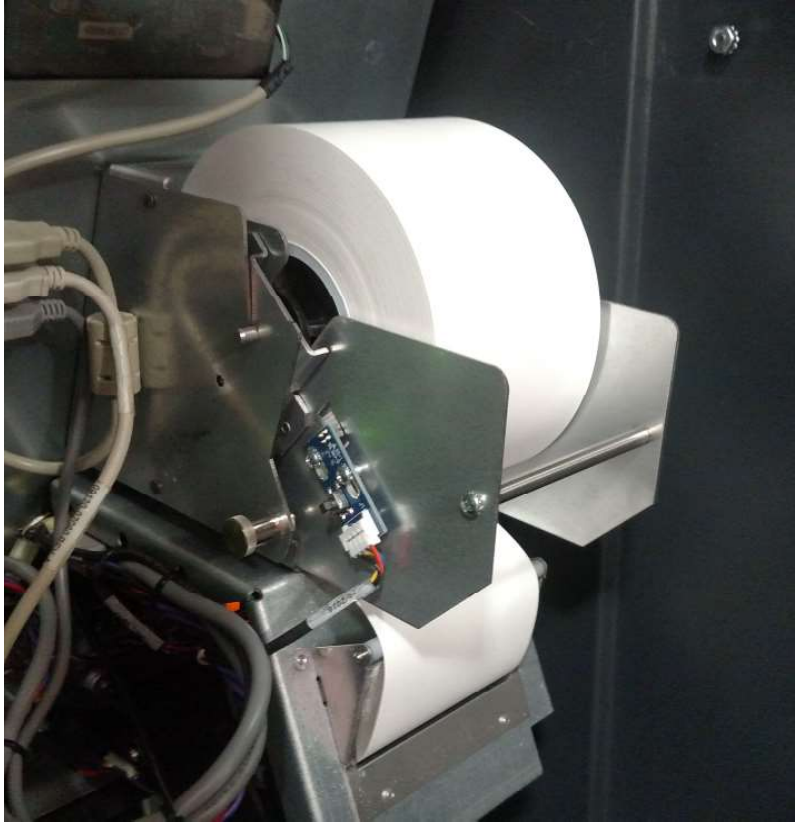


5. Place the paper roll into the printer bracket.



6. Pull receipt paper out and tear off. Ensure all adhesive has been removed from the paper roll.

7. Insert the edge of the paper into the printer take-up slot. The printer will automatically grip and pull receipt paper into the paper path.



8. Perform a test print via *Management Functions > (2) Diagnostics > (6) Printer > (2) Reset/Test Printer*.

## INSTALL THE NMD100 DISPENSER

### WARNING

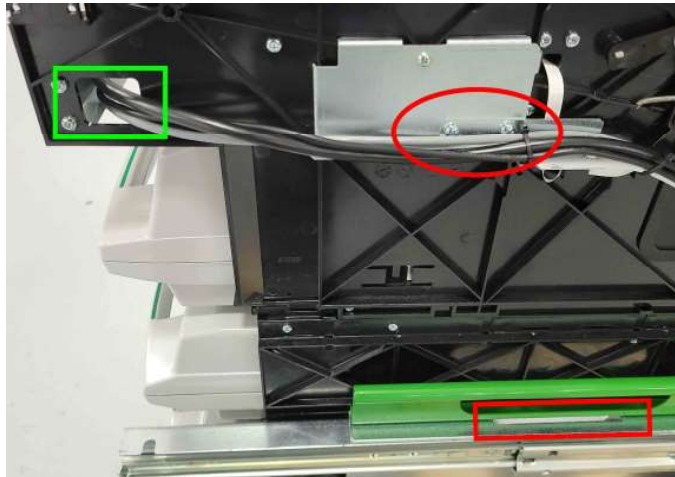
Triton recommends two technicians install the dispenser to prevent personal injury and/or damage the dispenser or cabinet.

1. Open the top cabinet door. Verify that the power switch on the power supply is in the off (O) position.
2. Open the security vault.

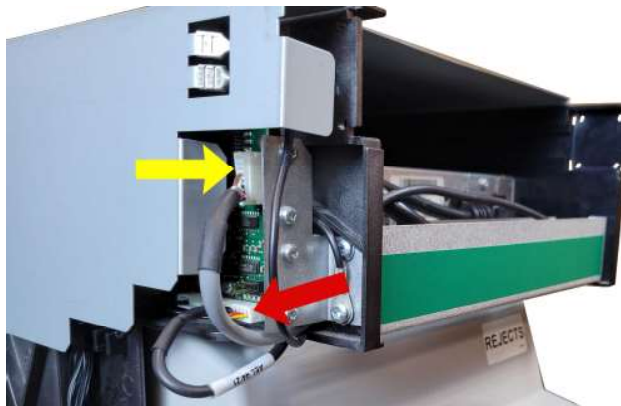
### Caution

Ensure cables and cords are moved away from rails so damage does not occur during dispenser installation.

3. Disengage locking pin on the left slide rail and pull slide rails out of the cabinet until they reach the fully extended position.
4. In the image below, using two people, grasp the green handles located on each side of the dispenser. Lift dispenser and set onto the rails by aligning tabs under the green handle with slots on rails marked by a **RED** rectangle.
5. In the image below, install the cable routing bracket onto the right side of the dispenser marked by **RED** circle. Feed two data and a power cable through the square opening marked by a **GREEN** rectangle



6. In the image below, connect the serial communications marked by a **RED** arrow, and shutter cables marked by a **YELLOW** arrow, on the left side of the dispenser.



7. In the image below, connect the AC power cable plug marked by a **YELLOW** arrow into the dispenser's power supply.



8. In the image below, attach one tie-wrap marked by a **YELLOW** arrow to the left side dispenser cables to NMD100 cover.



9. In the image below, attached a tie-wrap marked by **RED** circle around the cables and side of dispenser together.



10. Verify the power switch on the dispenser power supply is in the on (I) position.  
11. Slide dispenser into the cabinet until the slide rail locking pin engages, then close vault door.  
12. In the upper cabinet, press the power switch on the power supply to the on (I) position.

This completes the basic installation for ARGO FT. Please see the Configuration Manual and/or the ARGO FT User's Manual for setup information. Contact Triton Technical Support for further assistance.

## INSTALL THE CDM8240N DISPENSER

### WARNING

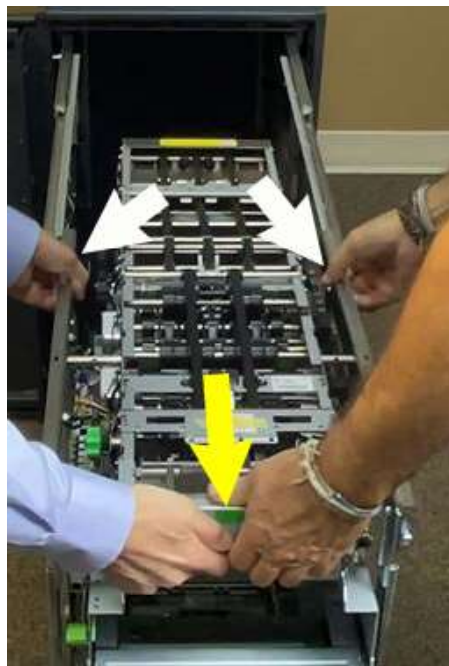
Triton recommends two technicians install the dispenser to prevent personal injury and/or damage to the dispenser or cabinet.

1. Open the upper cabinet door. Verify the power switch on the power supply is in the off (O) position.
2. Open the security vault. Ensure cables and cords are moved away from rails so damage does not occur during dispenser installation.
3. In the image below, extend the brackets to the full length which will lock it in the extended position.

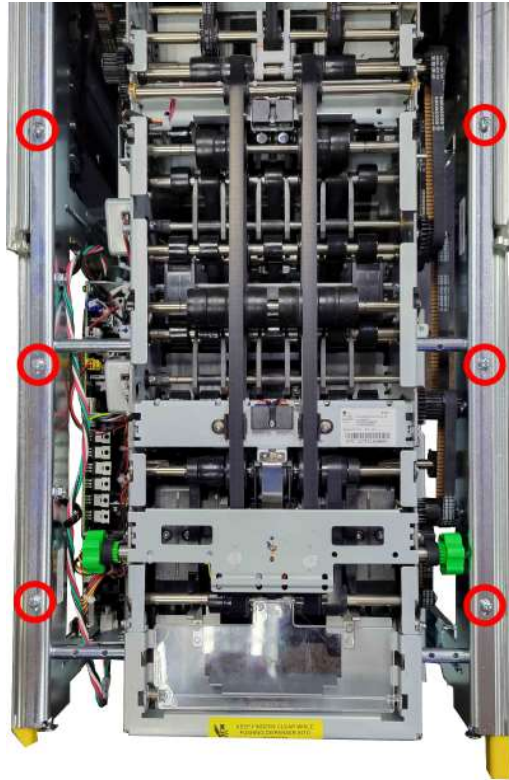


### Caution

- Two technicians require to install the dispenser onto the vault rails.
  - The CDM brackets MUST be parallel to the vault rails during installation.
  - DO NOT allow the CDM Presenter to angle up or angle down as the CDM brackets slide onto the vault rails.
4. In the image below, two technicians should hold the CDM's transport bracket marked by a **YELLOW** arrow.
    - Grab the bracket top edge near the third screw holes marked by **WHITE** arrows.
    - Slide CDM onto the vault rails until it stops.

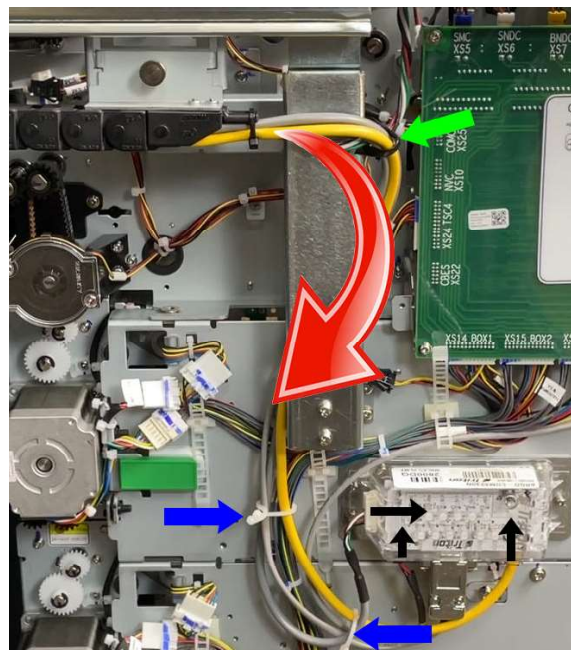


5. In the image below, secure the dispenser brackets to the vault rails marked by **RED** circles with the saved 6 screws.



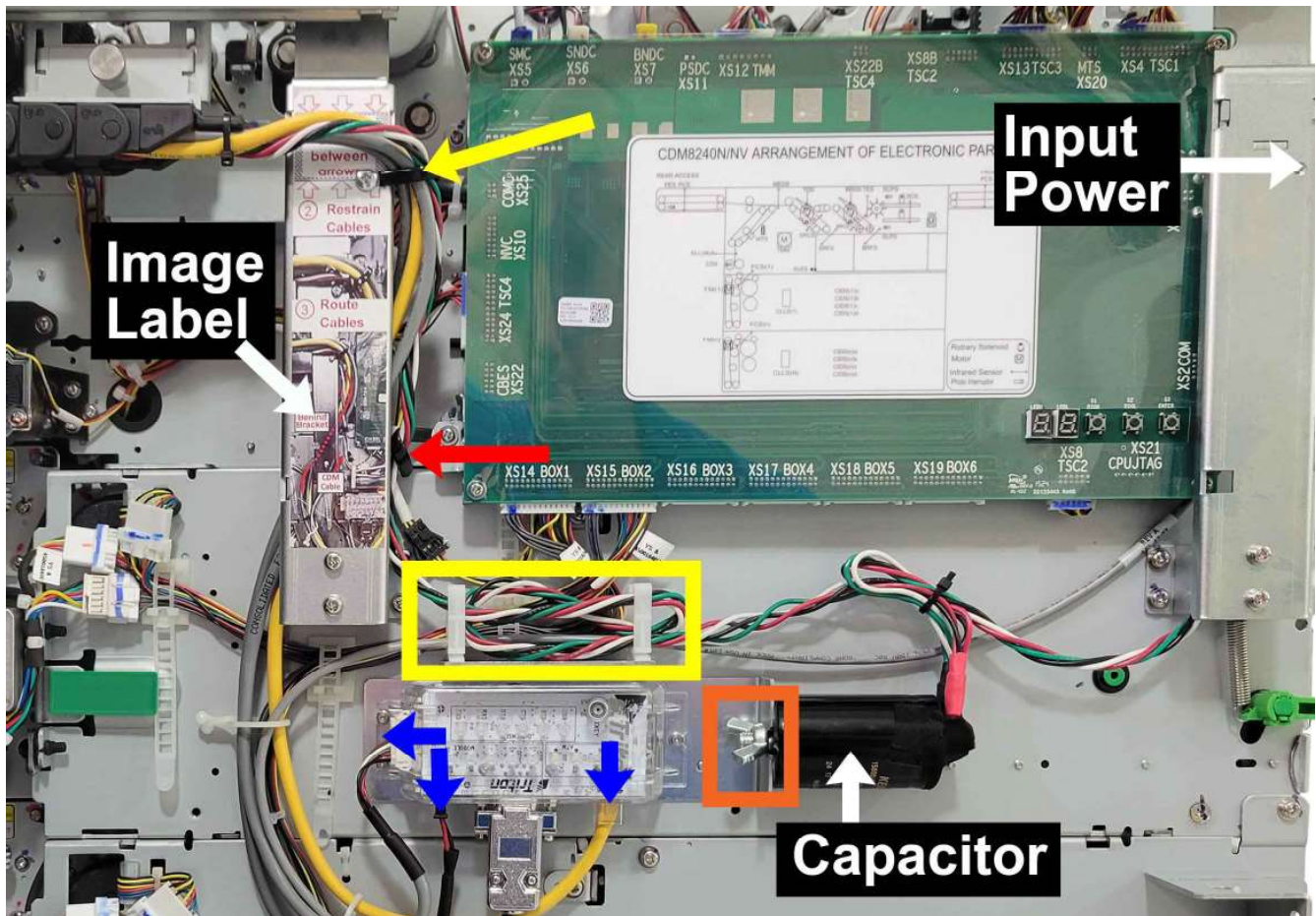
If the power cable does not have an attached capacitor, continue to Step 6 and skip Step 7. If the power cable has an attached capacitor, go to Step 7.

6. In the image below,
- Insert the cable track bracket into the dispenser bracket and push down marked by **RED** arrows.
  - Feed the data cables over the black wrap marked by **GREEN** arrow.
  - Feed the cables behind the bracket marked by **RED** and **WHITE** arrow.
  - Secure the cables with the white cable wraps marked by **BLUE** arrows.

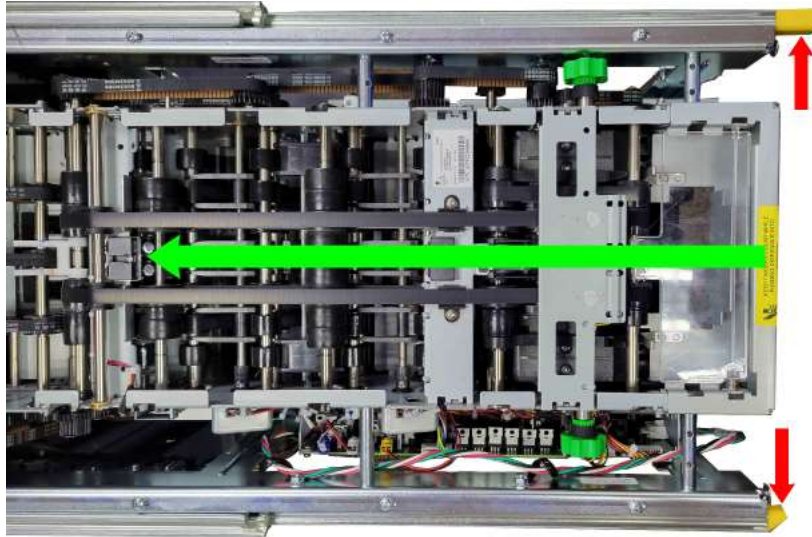


7. In the image below:

- Feed cables from behind the dispenser bracket. NOTE: Power cable is not routed behind the bracket. Wrap cable clamps around all cables, **YELLOW** arrow.
- Wrap cable clamps around Input Power cable, **RED** arrow.
- Connect the three cable to the Security Module, **BLUE** arrows. Insert these cables into the twist clamps removed in earlier section.
- Push the Power cable into the two-WHITE square-cable holders in the **YELLOW** rectangle.
- Loosen, **DO NOT Remove**, the wing nut, **ORANGE** box, and slide the capacitor on to the security module bracket. Tighten wing nut.
- Connect the Input Power connector, **WHITE** arrow, to the Mainboard XS1.



8. Press down the **YELLOW** tabs on the vault rails, **RED** arrows and slide dispenser into the vault marked by a **GREEN** arrow until it locks in the vault.



9. Open the upper cabinet door. Press power switch on the power supply to the ON (I) position
10. Close upper cabinet and vault door.

This completes the basic installation for ARGO FT. See the Configuration Manual and/or the ARGO FT User's Manual for setup information. Contact Triton Technical Support for further assistance.

## APPENDIX A

### WARNING

Changes or modifications not expressly approved by Triton Systems of Delaware, LLC could void the regulatory compliance approval and the warranty. Use of this product in a manner other than those described in this manual may result in personal injury.

### DISCLAIMER

The manufacturer of the ATM product(s) described herein makes no representations or warranties, either expressed or implied, by or with respect to anything in this manual, and shall not be liable for any implied warranties of fitness for a particular purpose or for any indirect, special, or consequential damages. Information in this document is subject to change without notice and does not represent a commitment on the part of the manufacturer.

### COMPLIANCE/EMISSIONS

This equipment complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

#### \*\*Note\*\*

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### \*\*Note\*\*

For installations outside of the United States, please see compliance and/or emissions statements for the country of installation.