

Solo 3

Indoor

575 External

Installation Instructions



INSTALLERS: PLEASE LEAVE THIS MANUAL WITH THE OWNER.





Scan the QR code to view the SI warranty for this product.



Please use this QR Code to access the updated installation instructions and related documents.

Technical Support: 512.832.6939
Hours of Support: 7:30am – 5pm CST

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OPERATING AND CARE OF YOUR SCREEN

- Operation of the screen systems should only be performed by responsible parties.
- Always check the path of the Solo 3 Screen before operating to ensure that the path is clear of furniture or obstacles that could prevent full operation. Monitor the Solo 3 Screen for smooth operation through its entire range. Operating a Solo 3 Screen unattended may lead to damage from obstructions or other causes.
- Fabric maintenance and cleaning– Solo 3 Screen fabric is subject to debris under normal use or in storage, requiring occasional maintenance and cleaning. While fading and wear over time are normal, debris could accelerate this wear. Screen fabrics can be cleaned with gentle soap and water.

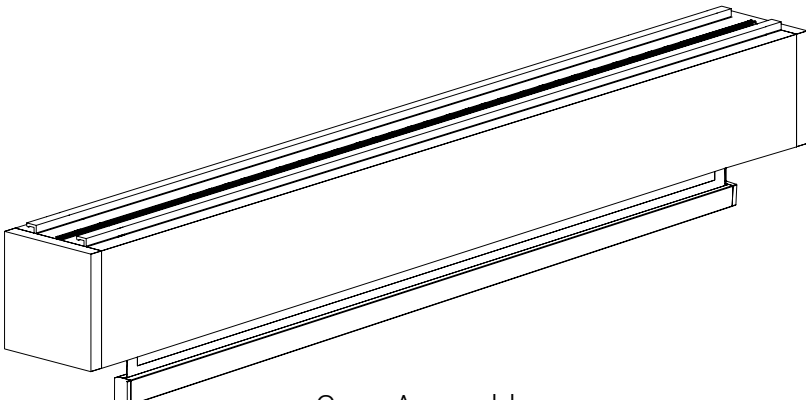
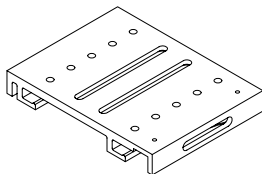
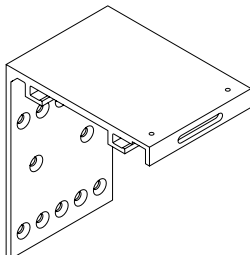
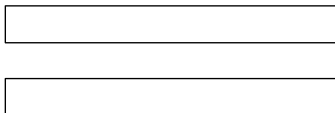

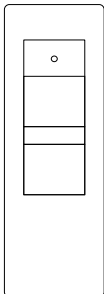
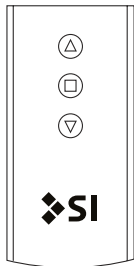
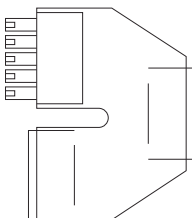
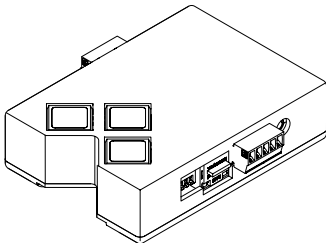
BEFORE PROCEEDING

 **Read the instructions in their entirety before proceeding. Actions contrary to the instructions invalidate the warranty and may result in serious damage and/or injury.**

Preparing for installation: It is crucial that all installations are planned out carefully before specifying a screen order.

- If drilling through the cassette is required, the cassette must be square or the door will not line up, causing poor operation.
- Electrical work should be performed following appropriate electrical codes and regulations by a licensed electrical professional.
- Use fasteners appropriate for the structure the Solo 3 Screen will be mounted to.
- Do not use any sharp blades when opening the packaging.

PARTS IN THE BOX – SOLO 3 575 EXTERNAL – INDOOR

<div>Screen</div> <div></div> <div>Case Assembly</div>		<div>Mounting Bracket Options</div> <div></div> <div>(2/3) Ceiling Mount Brackets</div> <div></div> <div>(2/3) Wall Mount Brackets</div>	
<div>Red Straps</div> <div></div>	<div>RJ45 Coupler (AC – 485 screens only)</div> <div></div>		
<div>RF Remote (1 per RTS screen)</div> <div></div> <div>Included remotes' form factor may vary, however functionality and performance is consistent.</div>	<div>IR Remote</div> <div></div>	<div>Duocoup (for low voltage 485)</div> <div></div>	<div>Moab Control Board (1 per 485 screen)</div> <div></div> <div>Included in the box with hardwired control screens only</div>
<div>Note: Mounting Screws not included, use appropriate screws as per the mounting surface.</div>			

INSTALLATION METHODS

Before installation, determine your installation method according to your product order and installation preferences. The indoor Solo 3 575 External may be installed preassembled or separately (fabric tube and material installed after the cassette).

① **METHOD 1** – Assembled (pgs 8 - 11)

② **METHOD 2** – Disassembled (Cassette only)

MOUNTING

MOUNTING NOTES:

- To ensure best results, read all instructions before assembly.
- Unpacking the box– lay cassette, fabric tube, and material roll on a soft, clean surface during the installation process. When removing from the box, ensure the assembly is kept horizontal to prevent damage.
- The following section, *Mounting*, of the indoor Solo 3 575/675 External instructions applies to ALL installations, regardless of method, determined above.
- When utilizing either method, especially *METHOD 1*, make certain there are enough installers/ hoisting equipment to safely lift the cassette (and/or material) onto the brackets. Brackets must be level and in-line with one another before attempting to lift cassette onto brackets. Use safe lifting and rigging techniques.
- For *METHOD 2*, ensure installation is complete by returning to *page 16* after securing the cassette to the brackets.

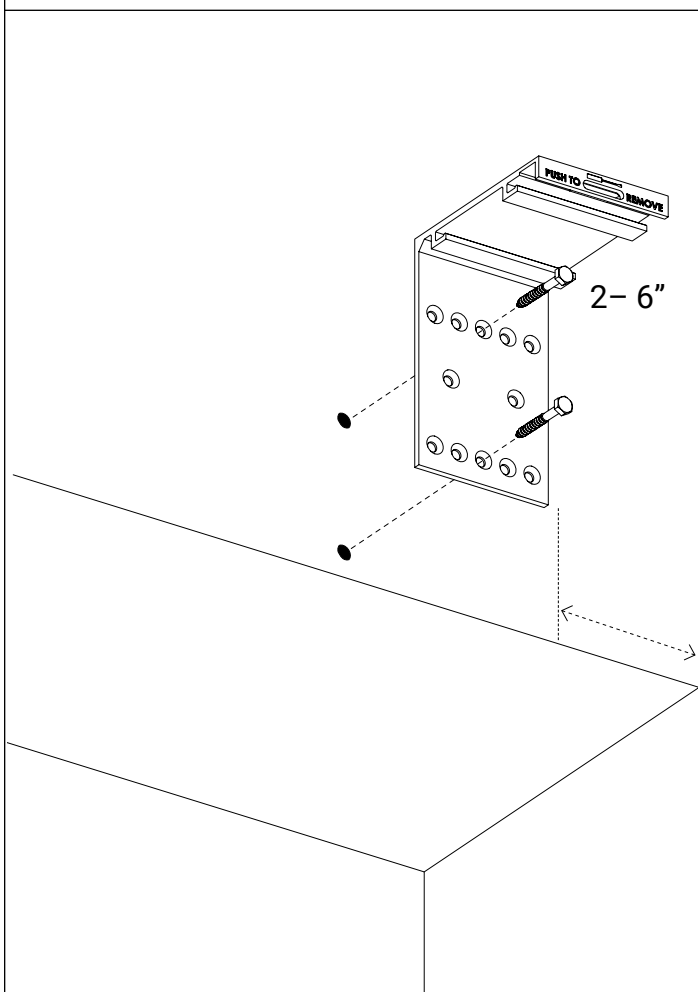
METHOD 1 - MOUNTING BRACKETS

BEFORE INSTALL– Check upper corners of the opening clearance, as necessary, to prevent interference with the cassette and end caps.

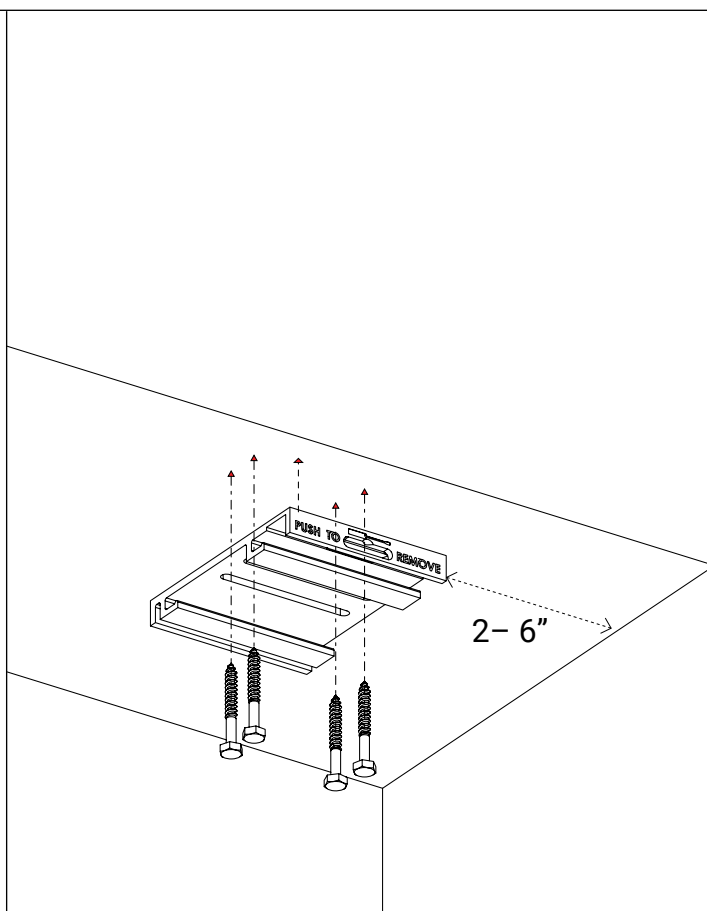
- 1 Use appropriate fasteners to mount the ceiling brackets to structural supports. Mount brackets between (2–6") from the opening ends (additional brackets are intended to prevent cassette sag and should generally be applied to the middle of the cassette). All brackets must be in line and level to each other.

NOTE: Ensure the fasteners used are adequate for the weight of the Solo 3 Screen and the structure.

Wall Mount



Ceiling Mount



METHOD 1 - MOUNTING CASSETTE

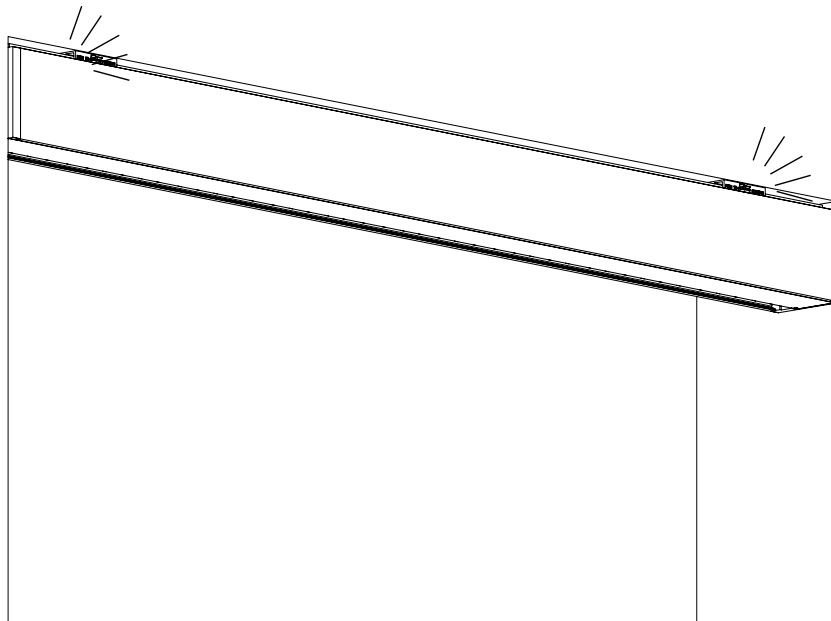
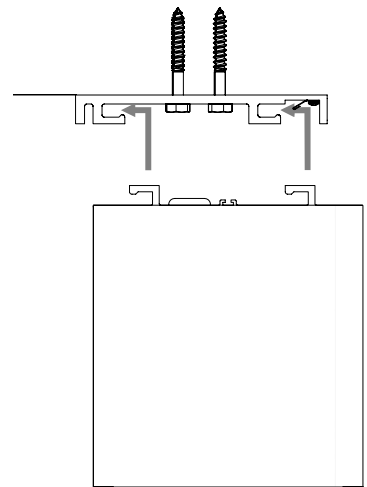
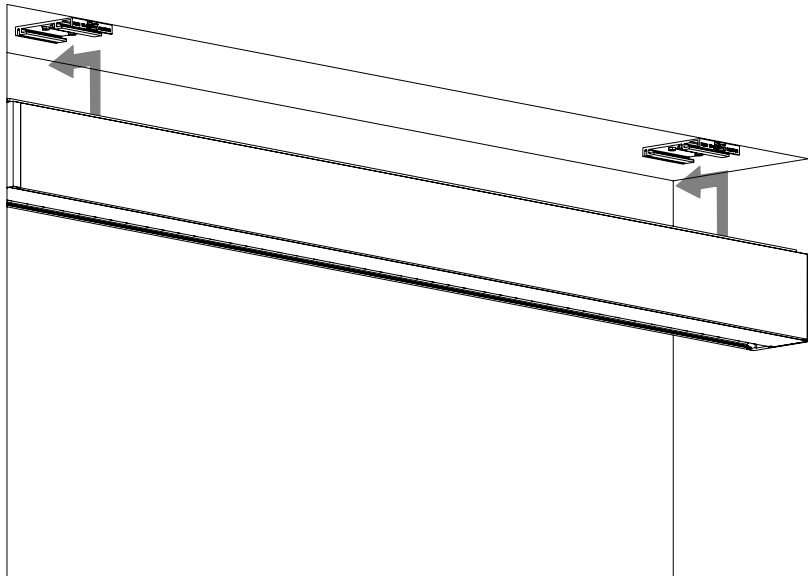


2+

Installation requires two or more people and/or hoisting equipment.
Please use safe lifting and rigging techniques.

2

For *METHOD 1*, lift and secure assembly onto brackets. Once the bracket engages, the cassette will “click” into place.



Follow the steps on the page 15 to install Moab if you have a 485 screen.

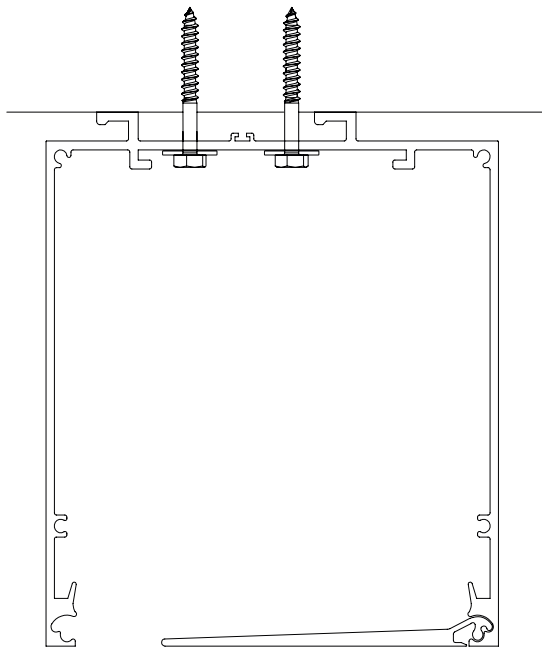
METHOD 1 - MOUNTING – THROUGH BOLTING CASSETTE

3

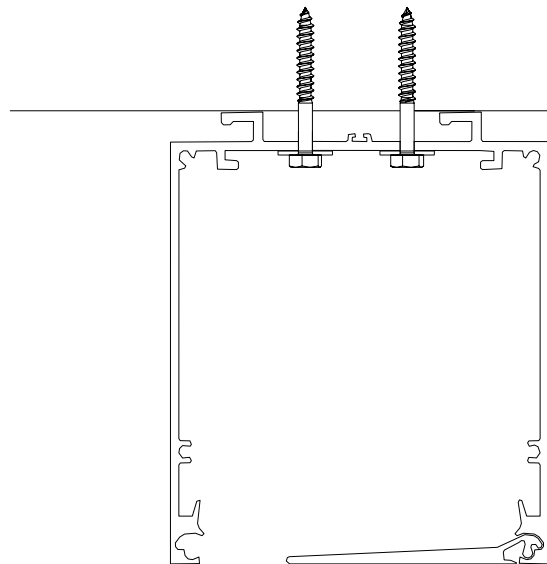
NOTE: Be careful not to over-torque or aggressively drill retention hardware when mounting the cassette as deformation to the case could occur; this is especially important when ceiling mounting. The structure behind the mounting points should be flat and level.



WARNING! Select a screw or anchor type that has a shallower head profile to eliminate the risk of contact with the screen material roll. Damage to the material caused by anchoring is not covered under warranty. Before starting, ensure the screws or anchors being used are of a quantity, size, and type compatible with the structural substrate you are mounting to, and rated for the weight being carried. Weight can be found on the shipping documents or on the box label.



XL Cassette Mount

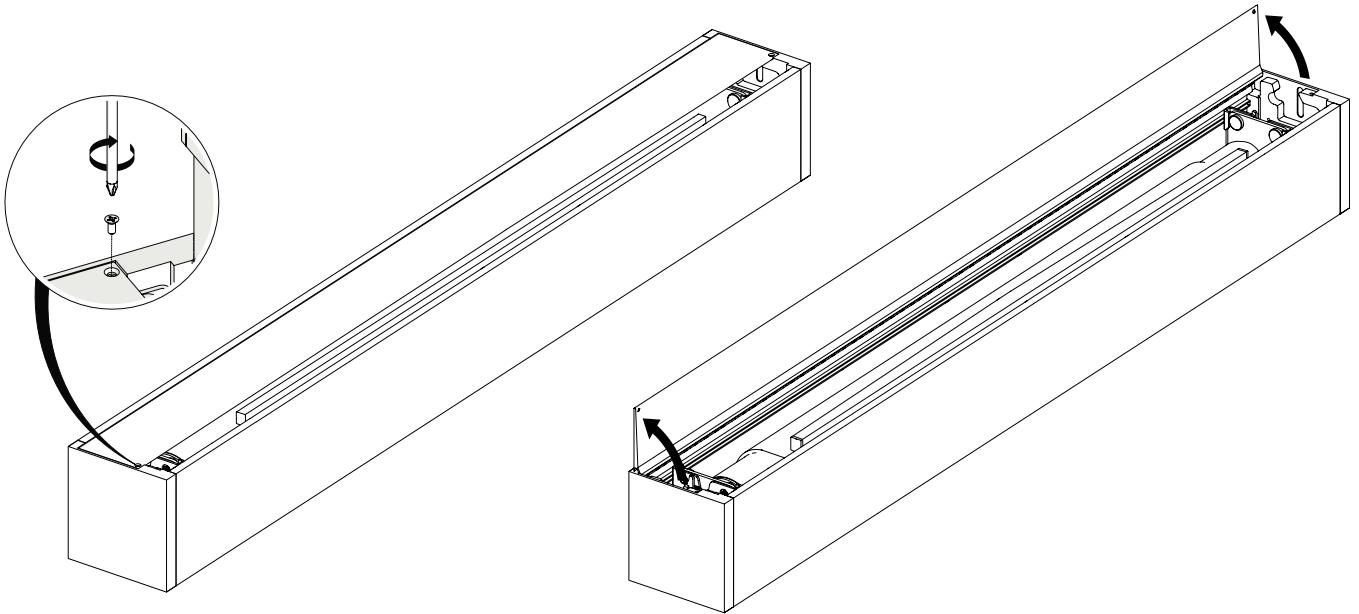


Cassette Mount

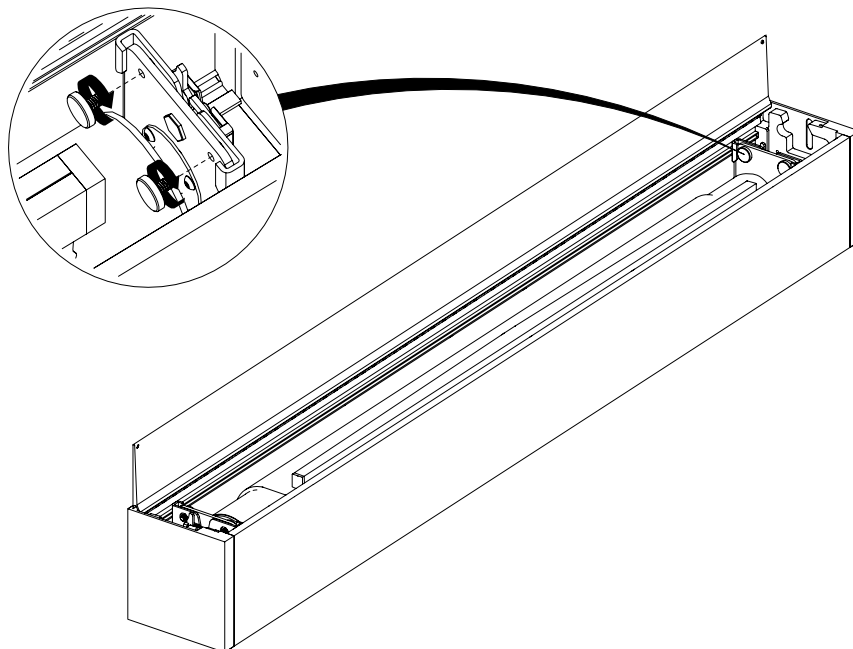
METHOD 2 – UNPACKING

NOTE: The following section of the Solo 3 Indoor 575 External instructions applies to separately assembled projects where the cassette is installed prior to the fabric tube and material.

- 1** Starting with the cassette on a soft, clean surface, remove the screws from the fascia door and open to reveal the inside.



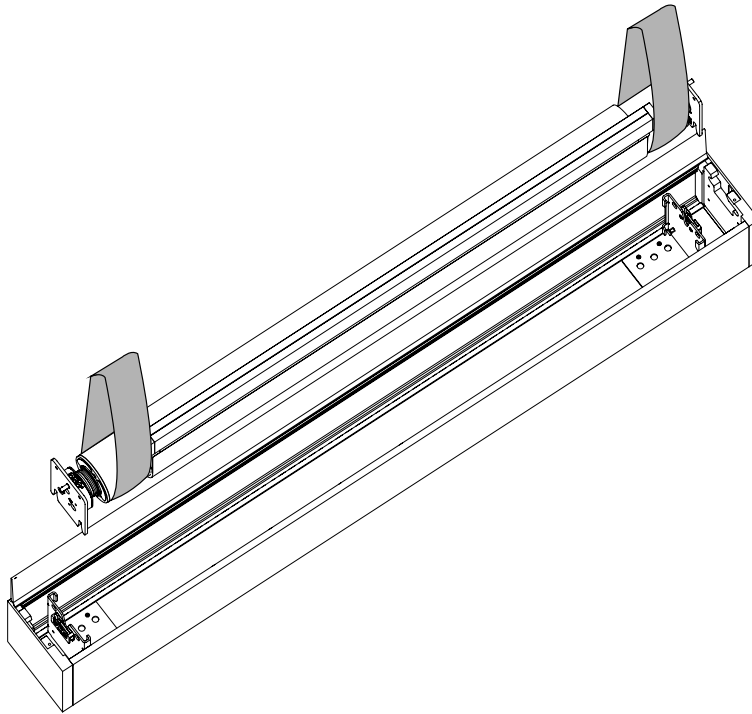
- 2** Undo the silver safety screws, then press the latch as shown.



METHOD 2 – MATERIAL ROLL REMOVAL

3

Using the red straps, loop the straps under the material roll, being careful to avoid contact with the material or any obstructions. With the help of the straps on both the ends, slowly pull out material roll and set it aside.



Now you are ready to mount the cassette, follow the steps on the next page.

METHOD 2 – MOUNTING CASSETTE

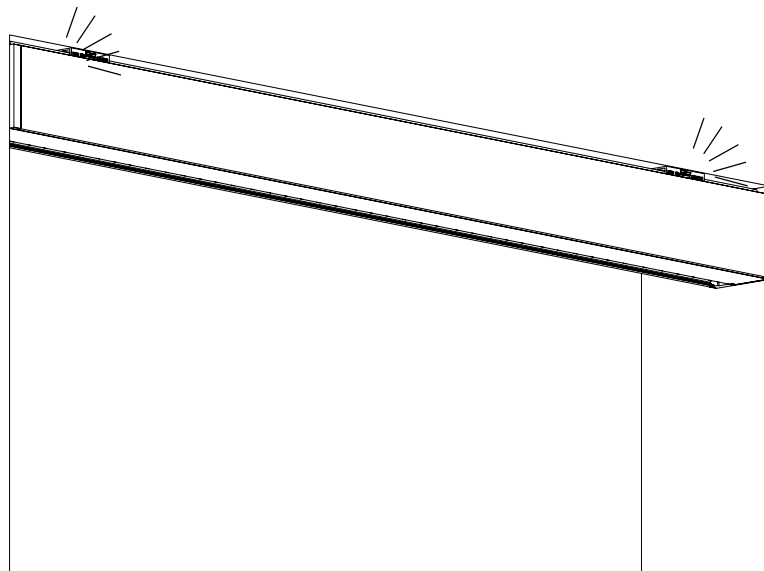
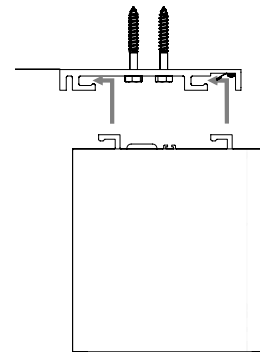
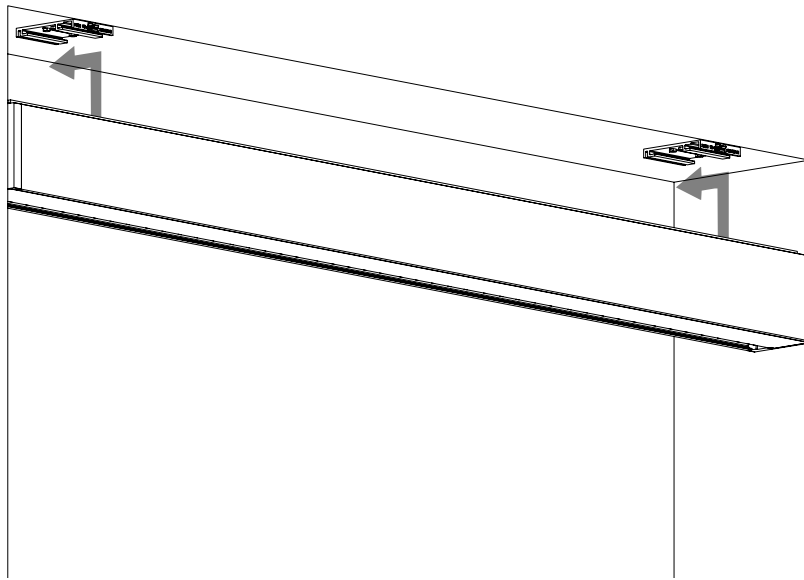


2+

Installation requires two or more people and/or hoisting equipment.
Please use safe lifting and rigging techniques.

4

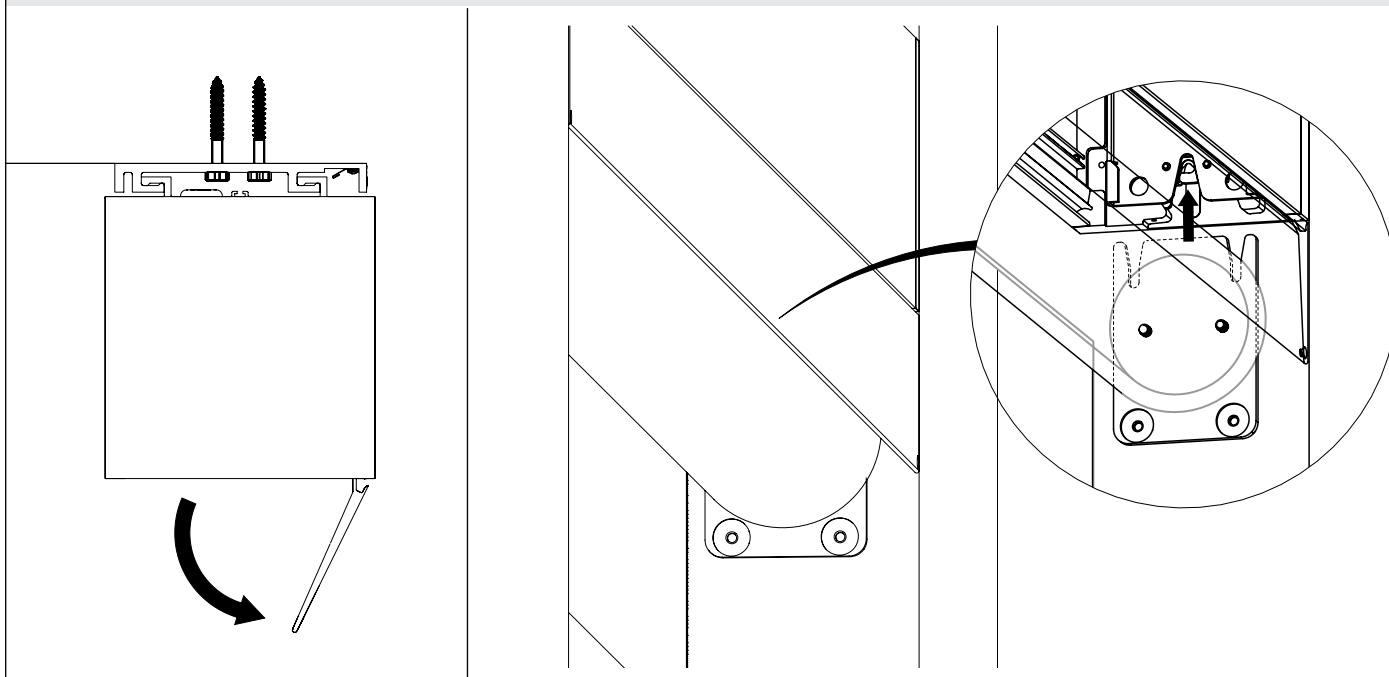
Lift and secure the cassette onto the brackets. Once the bracket engages, the cassette will “click” into place.



METHOD 2 – MATERIAL ROLL REINSERTION

- 5** With the cassette mounted, open the door and slide the material roll with mounting plates on each end into the cassette. Each end will “click” into place as the brackets engage.

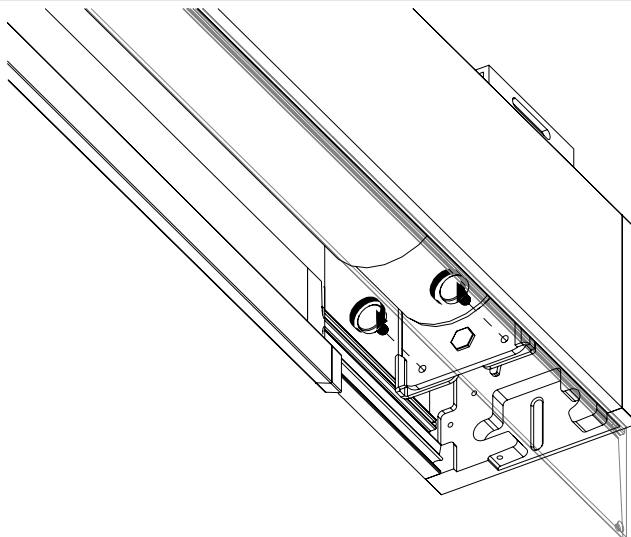
NOTE: The roll must remain level while installing into the cassette.



- 6** Fasten the silver safety screws on the mounting plates to secure the material roll. Plug motor power cable into the barrel connector located in the cassette.



This step is required for safety. Back safety screws out before installation. Must be re-engaged after installing material roll.



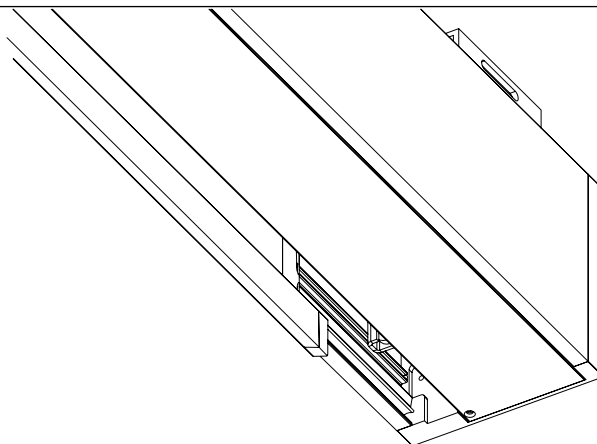
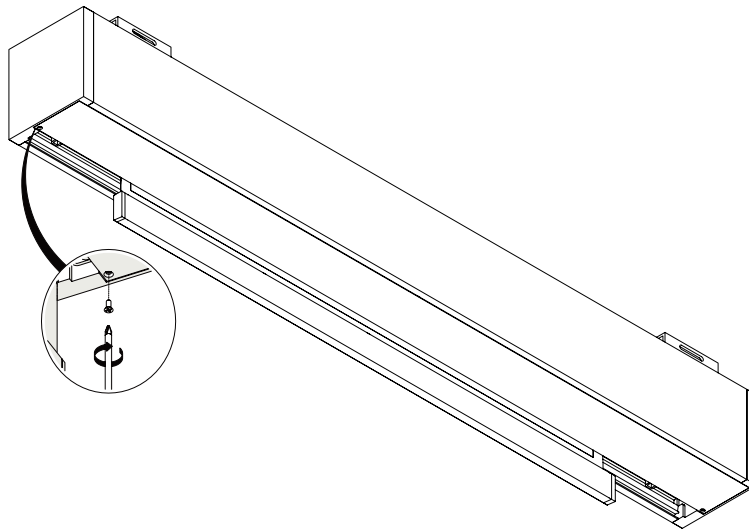
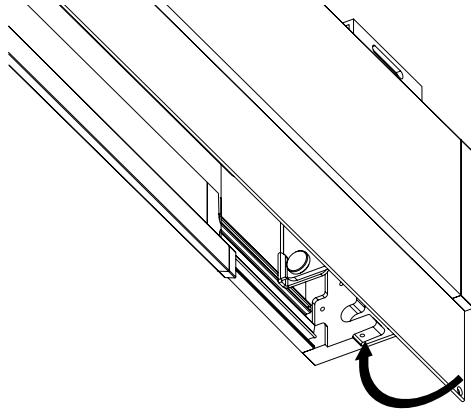
METHOD 2 – SECURING FASCIA DOOR



Follow the steps on the next page to Install Moab if you have a 485 screen.

7

To close the fascia door, set the door into the cassette; the door will hook in by gravity. Secure with screws.



INSTALLING/ REMOVING MOAB - 485 SCREENS

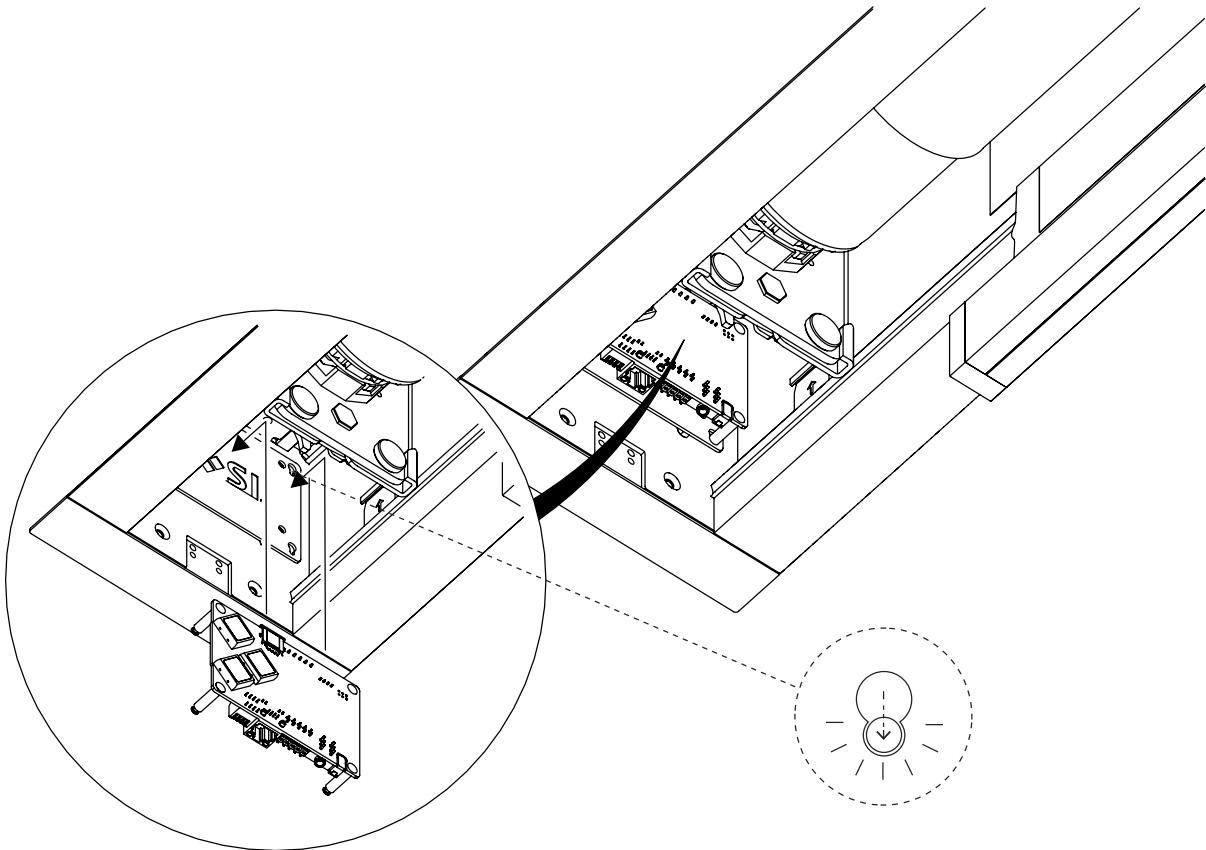
Connect Moab included in your Accessory box

Note1: Before installing/removing Moab, ensure all power is disconnected.

Note2: **For internal moab installation**, remove the enclosure using the slot on the right side just above the Din Rail feature, with a large flathead screw driver, gently pry the bottom away from the top.

1 The Moab board can be placed or removed from the internal PCB mounting plate by gently moving the entire board **up to remove** and **down to re-attach** the 4 standoffs. The reattachment will provide a tactical "click" feel and snap in place.

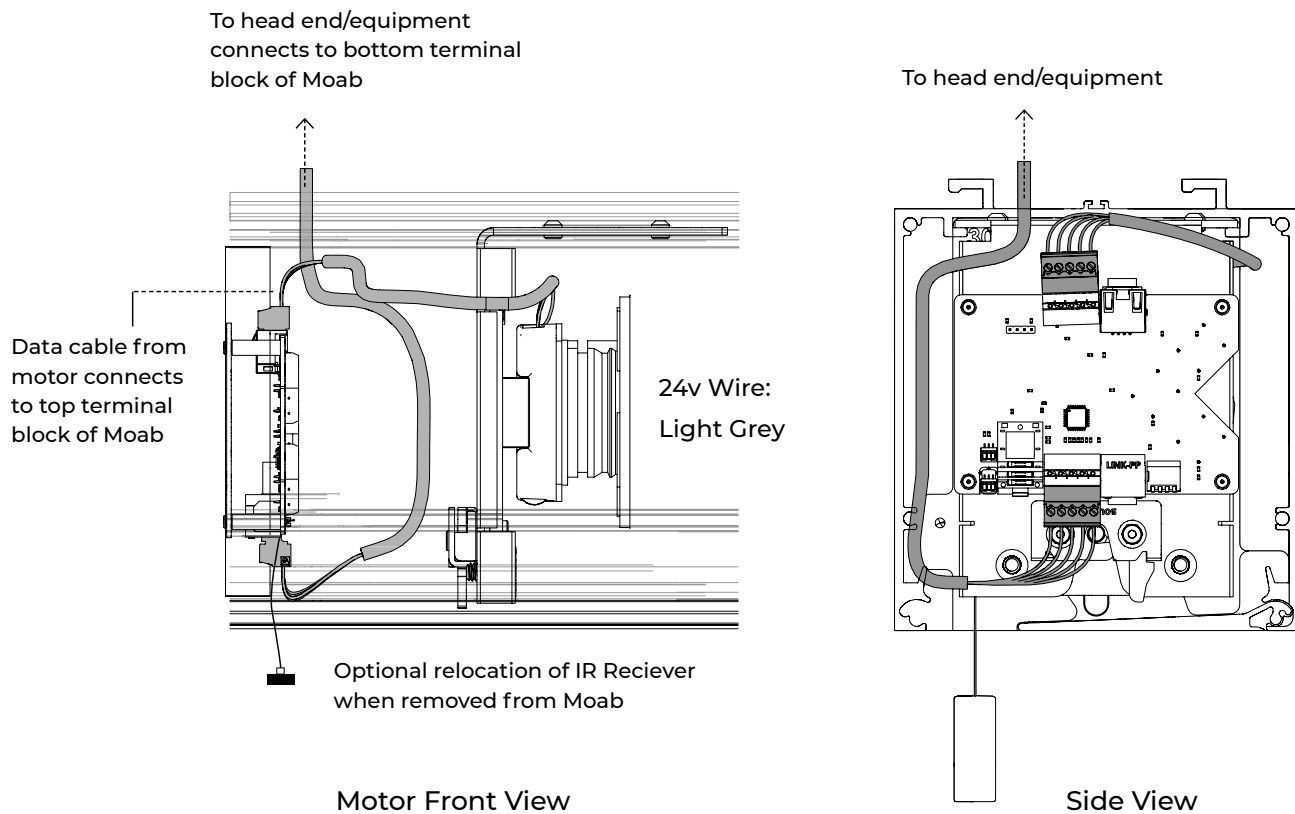
2 Depending on your motor configuration(110/220v or 24vDC), make the communication and power connections by following the steps on next 3 pages.



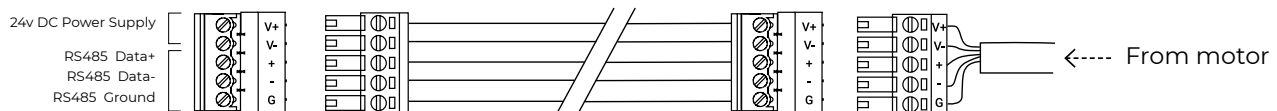
NOTE: If permanently removing/relocating Moab, refer to the *External Wiring* section of the Moab instructions by scanning this QR code.

INSIDE CASSETTE WIRING – 24V DC

1. Terminate the wires using the provided terminal block, shown below.



Detailed Low Voltage Power and 485 Control Wiring (DC Motor)



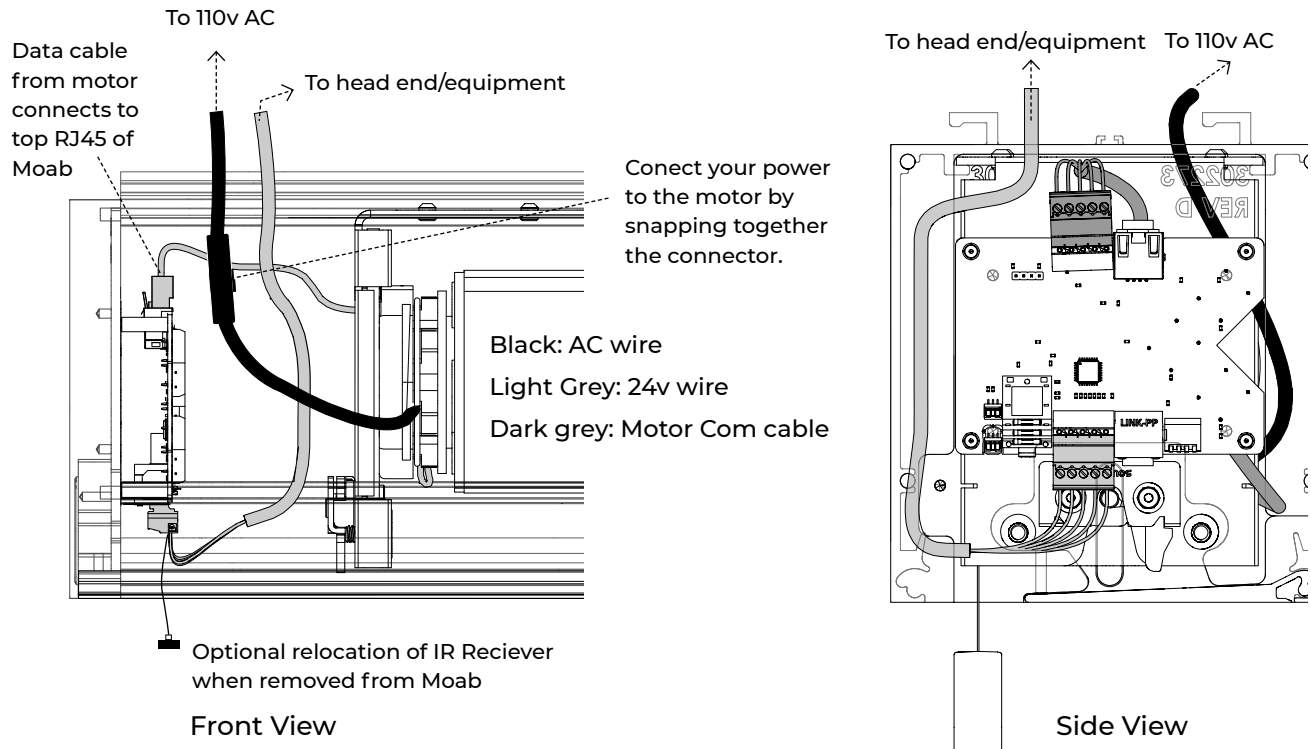
Scan this QR code to determine the max. length of the wire of the wiring on the three (3) options as shown below, or alternatively use this link:

<https://si-website-files.s3.amazonaws.com/Downloads/Programming+Guides/Shade/wire-topologies.pdf>

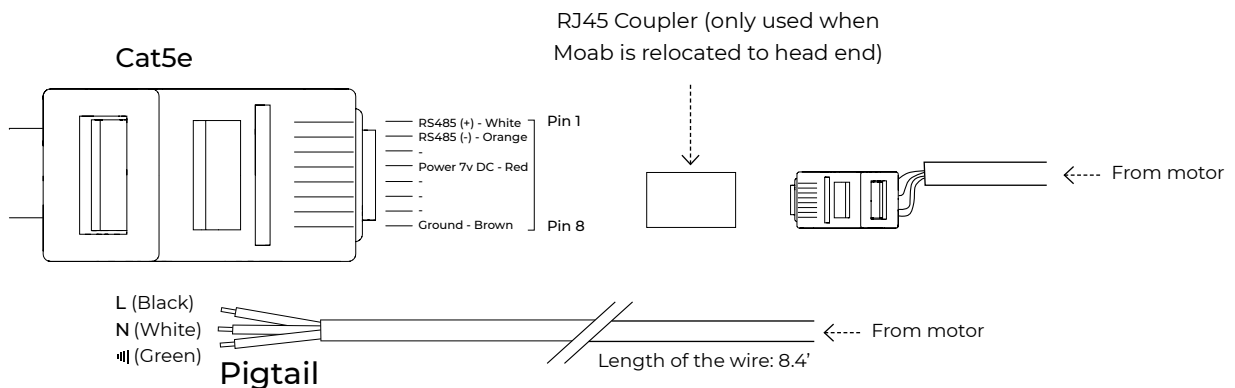
INSIDE CASSETTE WIRING – 110V/220V AC

1. Terminate the wires with the provided terminal block, as shown below.
2. Locate junction box appropriately.

⚠ Installer must follow all local electrical codes when connecting 110v AC power. Certified electrician is required to connect pigtail power.



Detailed AC pinouts



COMMISSIONING GUIDE REFERENCE

Moab Quick Start Guide (contains 485 instructions only):

Scan the QR code, alternately use the link below to access

<https://files.screeninnovations.com/Downloads/Installation+Instructions/Connectivity/moab-quick-start-guide.pdf>



Note: to get more detailed instructions refer to the Moab installation instructions below.

Moab Installation Instructions (contains 485/IR detailed instructions):

Scan the QR code, alternately use the link below to access

<https://files.screeninnovations.com/Downloads/Installation+Instructions/Connectivity/moab-installation-instructions.pdf>



Quick Motor Commissioning Guide for all motor types (contains 485, RTS, Zigbee instructions):

Scan the QR code, alternately use the link below to access

<https://files.screeninnovations.com/Downloads/Programming+Guides/quick-motor-commissioning-guide.pdf>



CONTROLS GUIDE REFERENCE

With your screen order, you shall receive one of the below mentioned Controls Guides which will walk you through integrating with control system.

TRO.Y Installation Instructions (RS232, IP Control, third party Control system):

Scan the QR code, alternately use this link to access

<https://files.screeninnovations.com/Downloads/Installation+Instructions/Connectivity/troy-installation-instructions.pdf>



LinkPro Z Installation Instructions (IP Control, third party Control system):

Scan the QR code, alternately use this link to access

<https://files.screeninnovations.com/Downloads/Installation+Instructions/Connectivity/LinkProZ-installation-instructions.pdf>



Scan this QR Code to access the updated installation instructions and related documents.

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NOTES

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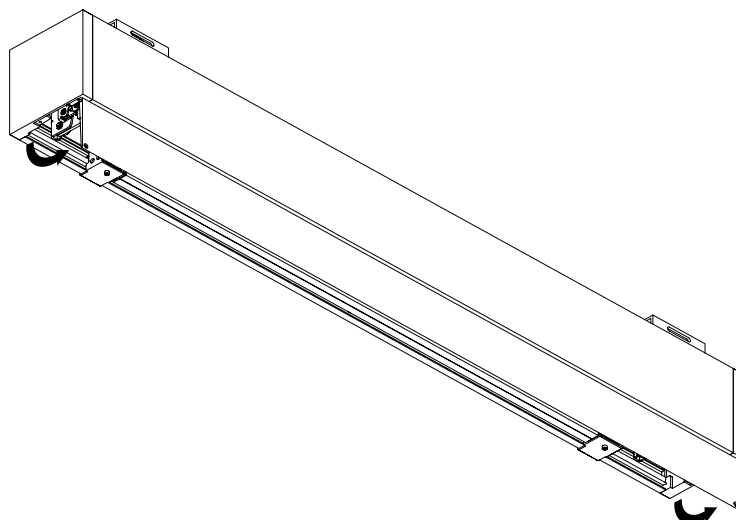
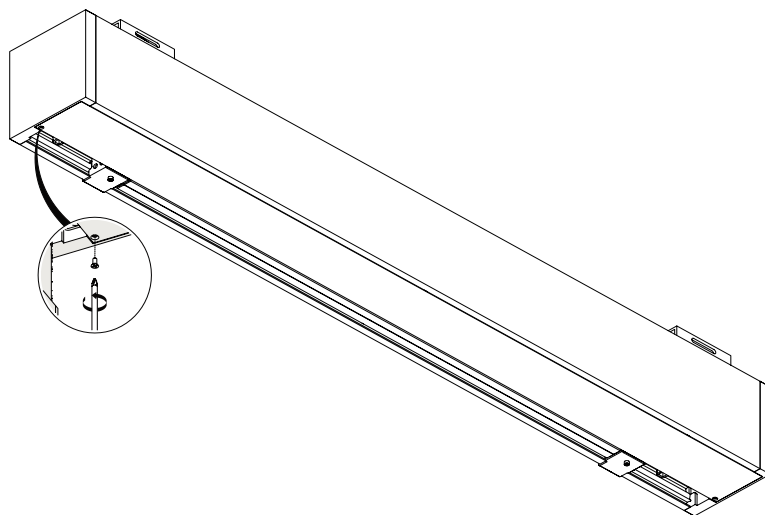
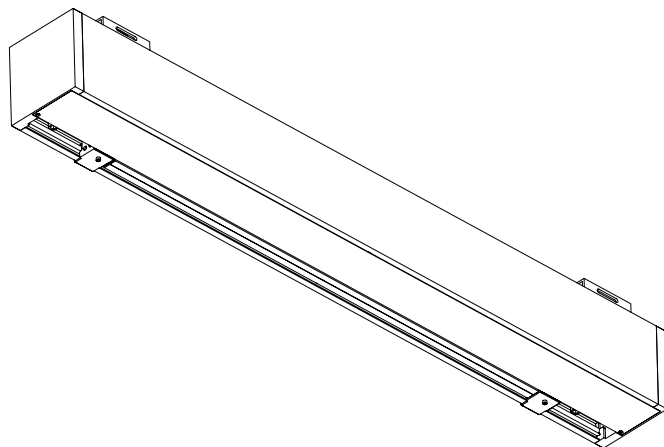
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METHOD 1 INSTALLATION – UNPACKING

1

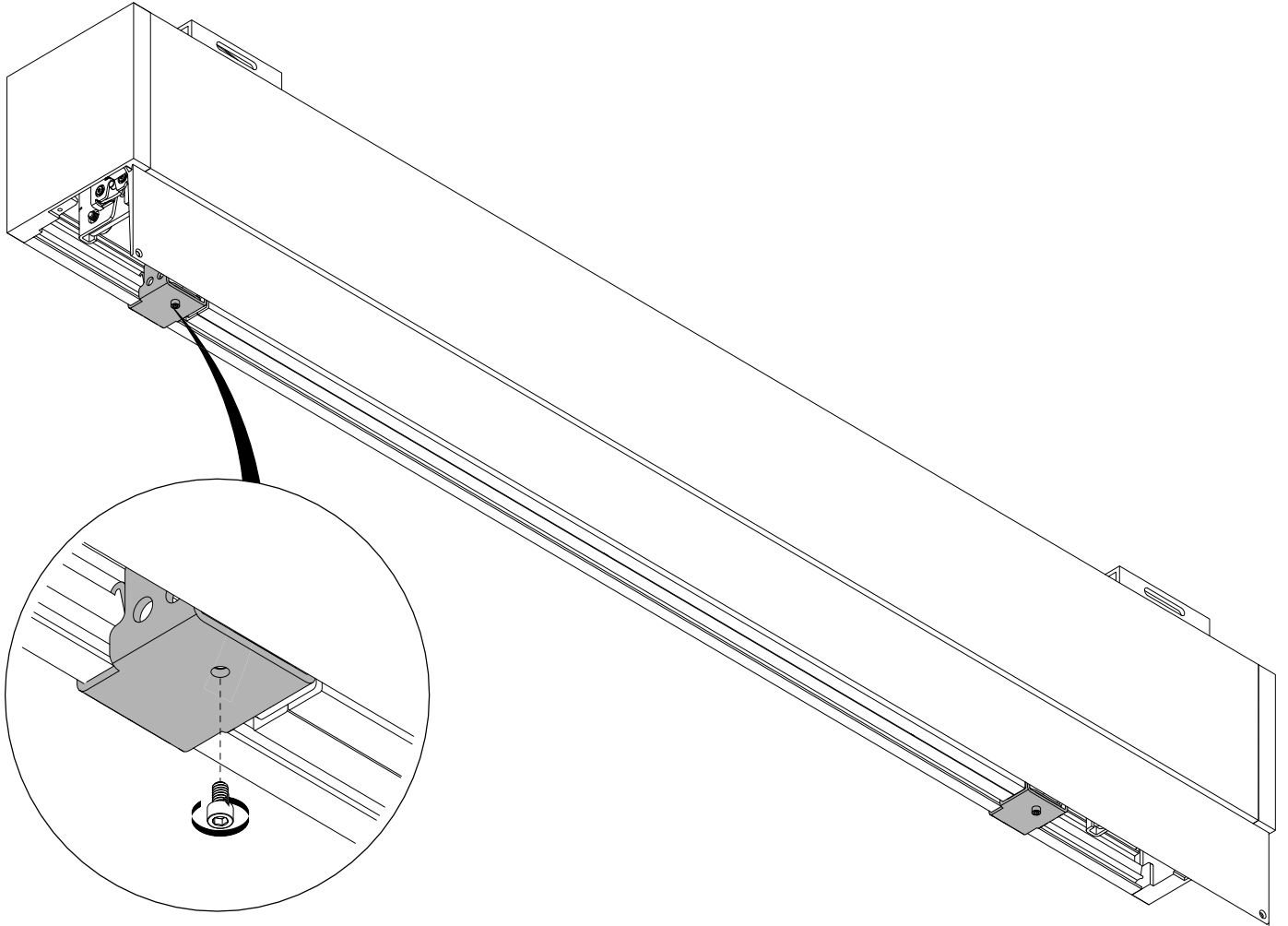
Starting with the cassette secured onto the brackets, unscrew each end of the door (counterclockwise), then open the assembly to access the inside.



METHOD 1 INSTALLATION – WEIGHT BAR

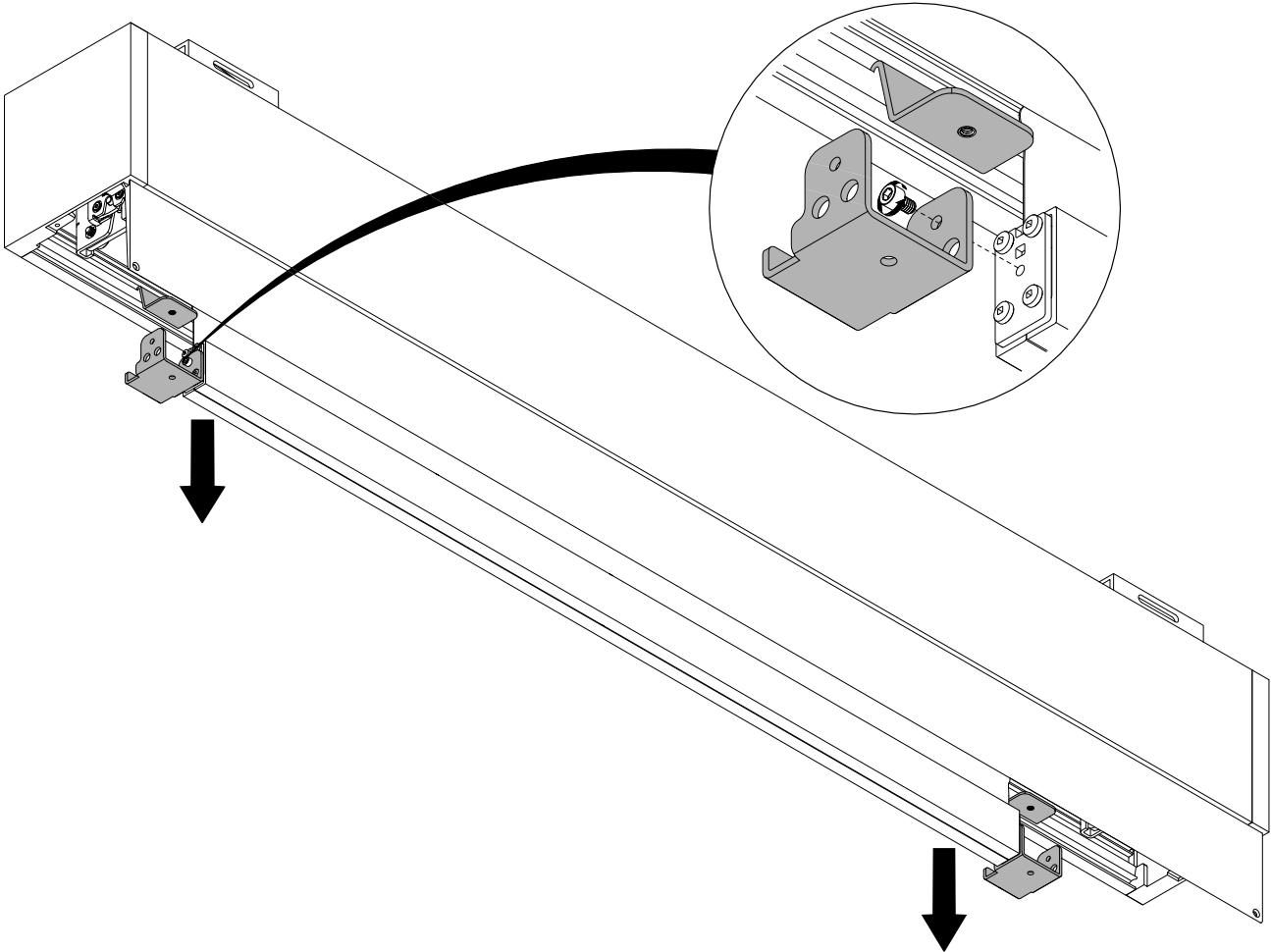
2

Remove both of the exposed red weight bar clips (2) by removing the attached screws from the bracket.

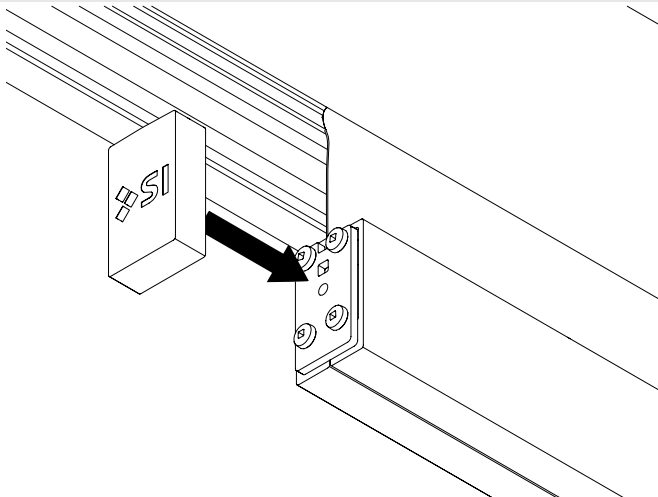


METHOD 1 INSTALLATION – WEIGHT BAR

- 3** Next, remove the screw attached to the weight bar from the red weight bar clips.



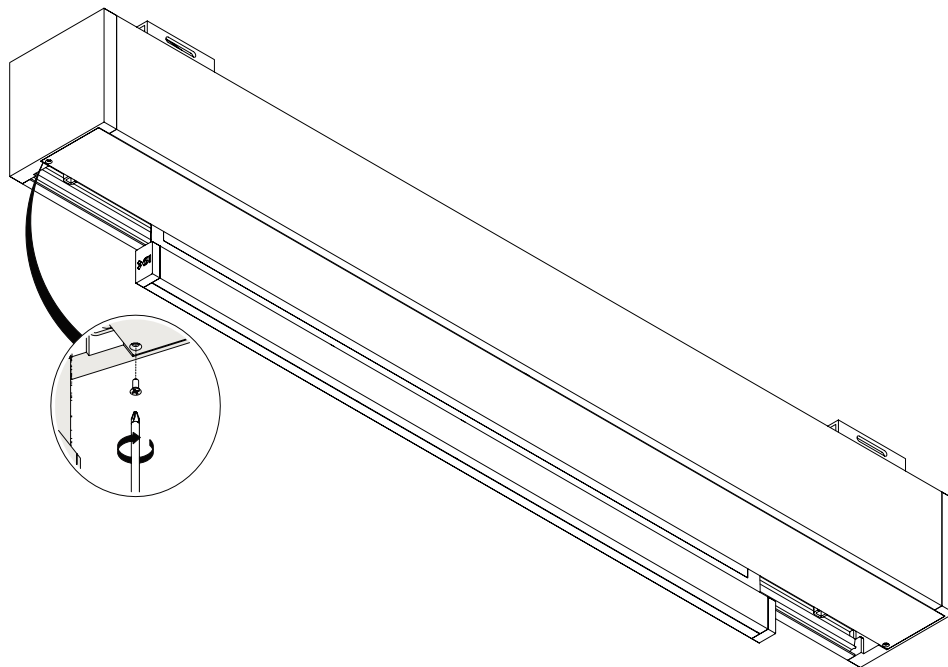
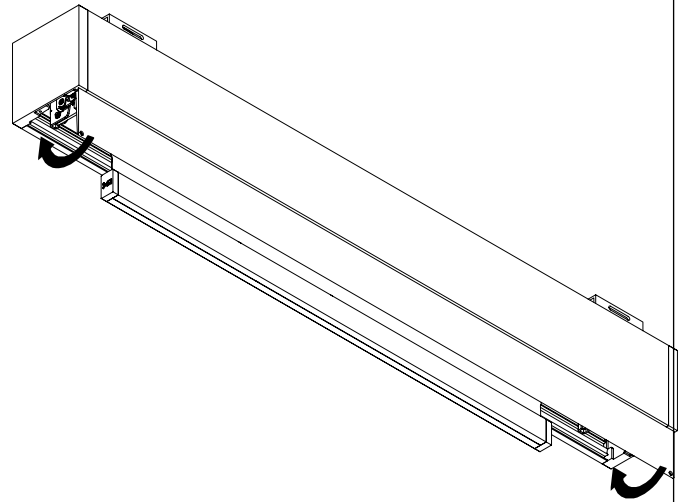
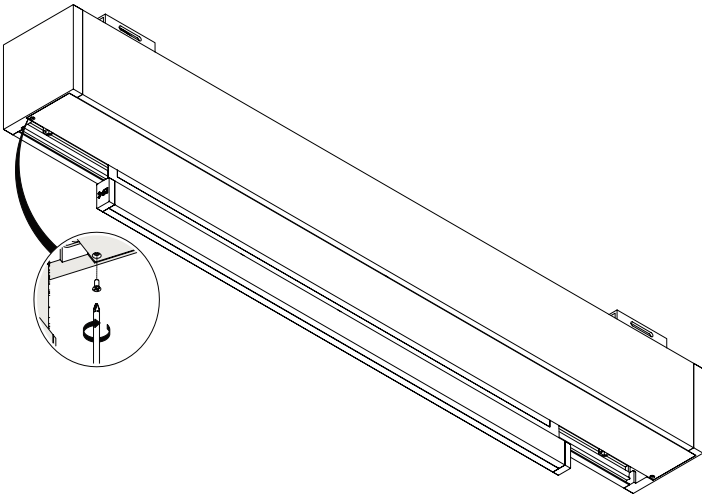
- 4** Attach the magnetic endcap to the weight bar.



METHOD 1 INSTALLATION – FASCIA DOOR

5

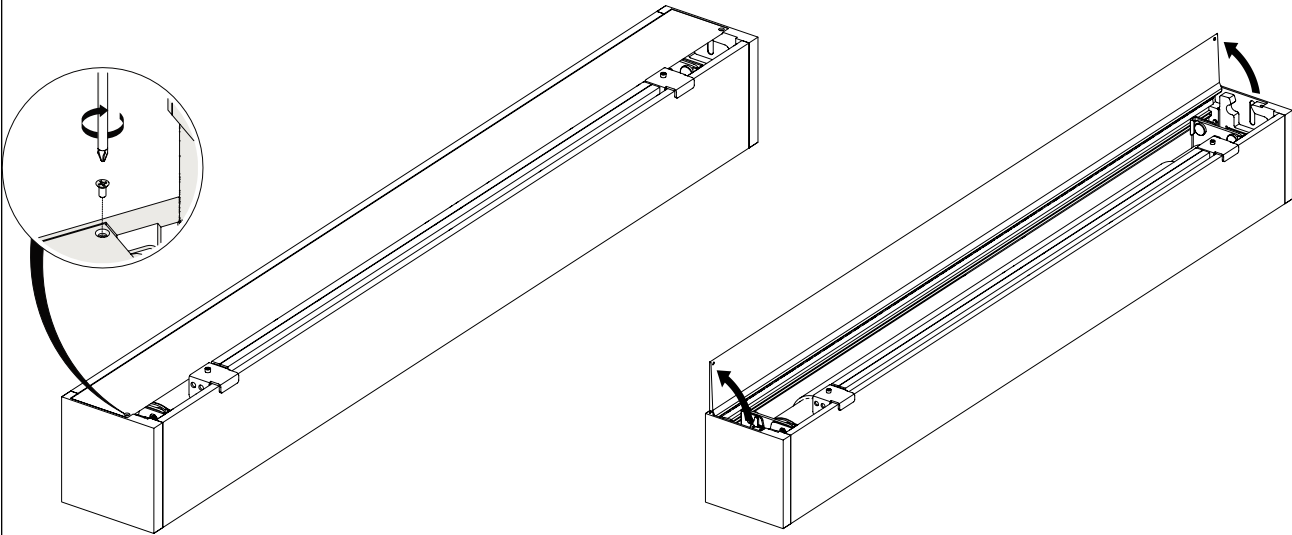
To secure the fascia door, set the door into the cassette; the door will hook in by gravity, as seen in the images below. Secure with screws.



METHOD 2 INSTALLATION – UNPACKING

NOTE: The following section of the Solo 3 Indoor 575/675 External instructions applies to separately assembled projects where the cassette is installed prior to the fabric tube and material.

- 1** Starting with the cassette on a soft, clean surface, remove the screws from the fascia door and open to reveal the inside.



- 2** Remove both of the exposed red weight bar clips (2) by removing the attached screws from the brackets.

