

Savaria® Luma

Through-floor lift

INSTALLATION GUIDE



Disclaimer

Savaria Concord Lifts, Inc. disclaims liability for any personal injury or property damage resulting from the operation of a product that has been modified from the original Savaria design. No person or company is authorized to change the design of this product without written authorization by Savaria.

Standard notations

The following notations may be used throughout this guide to emphasize important safety information, mechanical concerns, and other important information. Please review and follow all of these messages.



NOTICE

Notations provide information, such as reminders, warnings, or additional guidelines that do not fit into the flow of the installation.



CAUTION

Indicates potential problematic situations that could result in damage to the product.



WARNING

Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or death

ELECTRICAL SHOCK HAZARD

Do not connect or disconnect wiring while the power is on. Before servicing, disconnect all power to the equipment.

Savaria is not responsible for any modifications of the product made by the user. Do not allow unqualified personnel to use equipment. Failure to comply could result in death or serious injury. Maintenance, inspection, and replacement of parts must be performed only by authorized personnel familiar with installation, adjustment, and maintenance.



DANGER

Be aware that during the installation, service and maintenance of this equipment, you could or will be exposed to unsafe crushing, shearing and falling hazards.

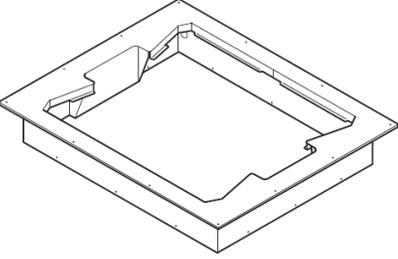
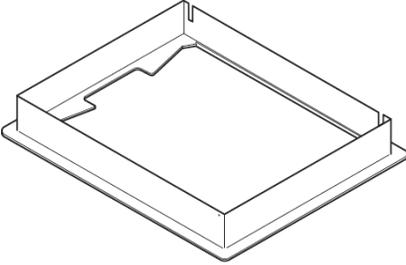
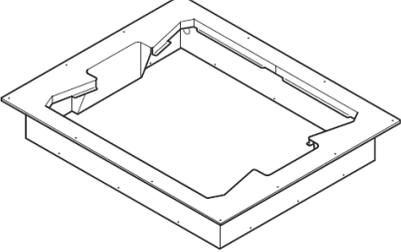
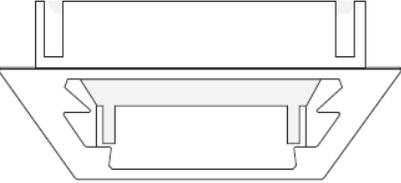
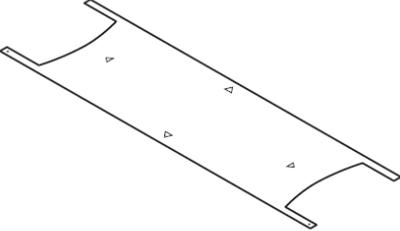
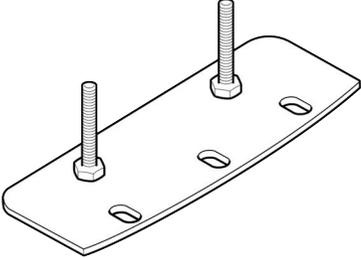
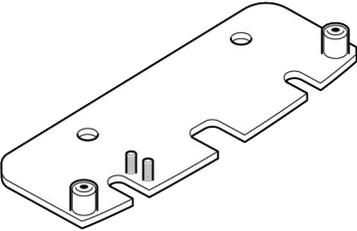
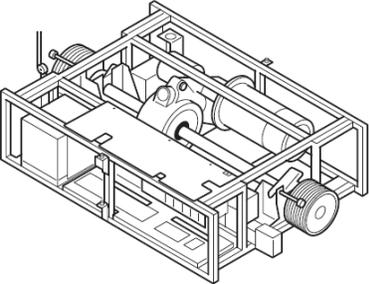
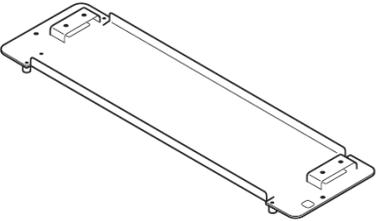
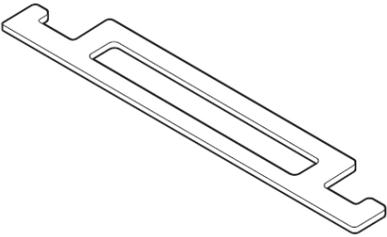
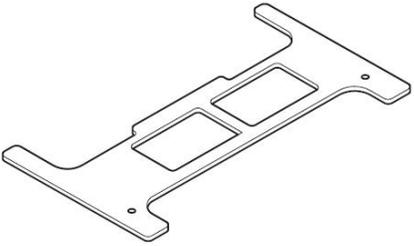
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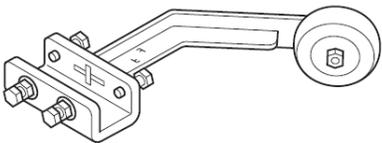
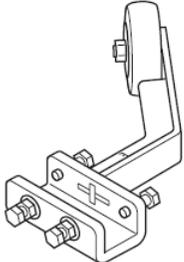
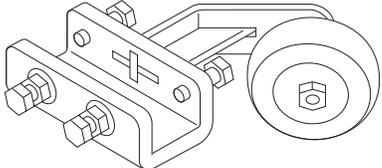
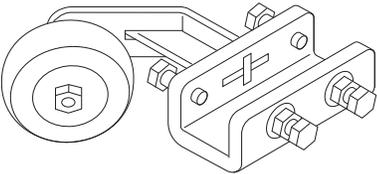
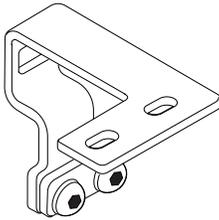
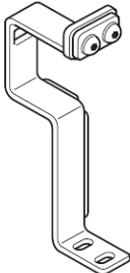
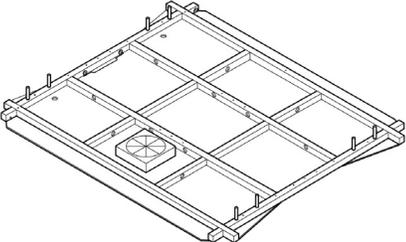
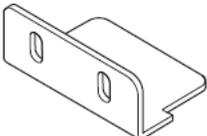
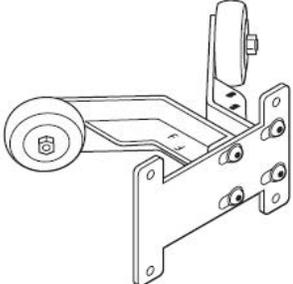
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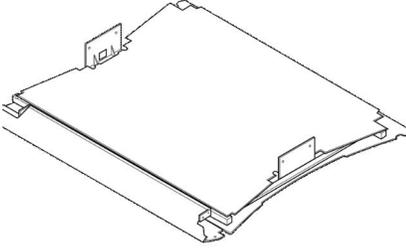
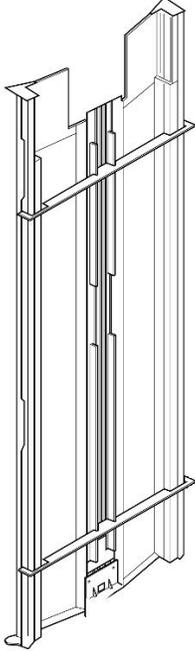
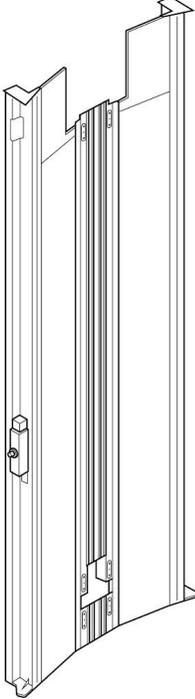
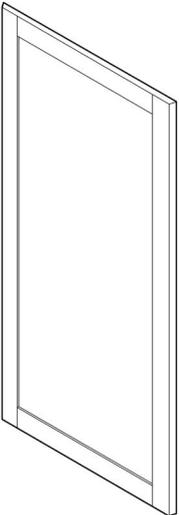
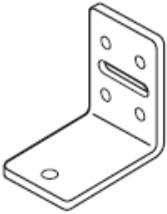
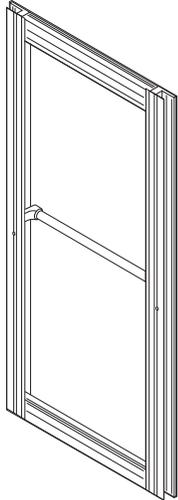
TOOLS AND MATERIALS REQUIRED

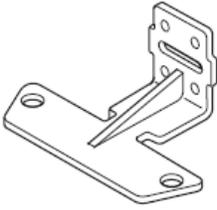
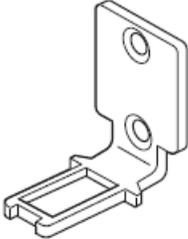
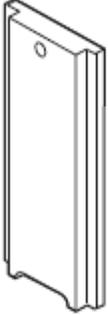
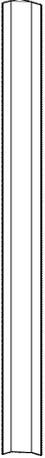
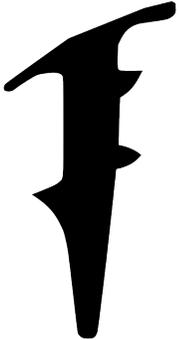
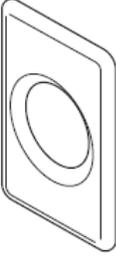
1. Drill/impact driver
2. Hammer drill
3. Mitre saw with aluminum cutting blade
4. Bit set (PZ,PH etc)
5. Plumb bob with adequate amount of string
6. Marker pen
7. Wrench set up to 19mm (3/4')
8. Beam level
9. Standard drill bit set
10. Countersinking bits
11. 1/2' or 3/8' Ratchet and socket set up to 19mm (3/4')
12. Extension set for ratchet
13. Universal joint for ratchet (preferable)
14. Allen key set
15. Torx key set
16. Rivet pliers
17. Fishing tape (preferable)
18. 4x4 wood

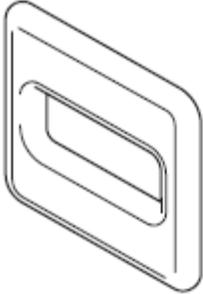
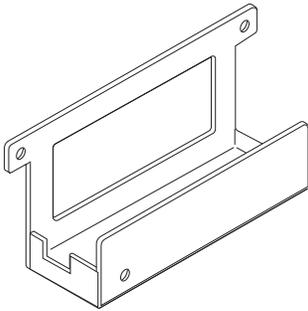
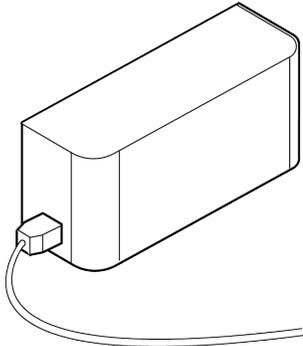
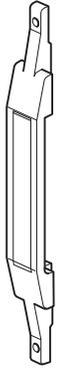
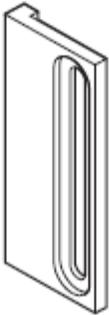
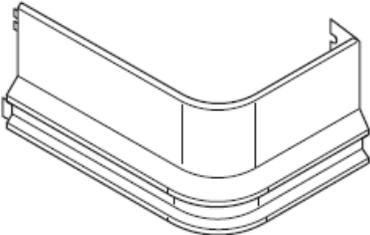
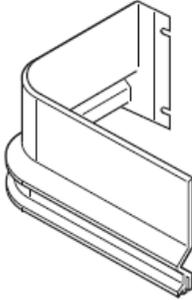
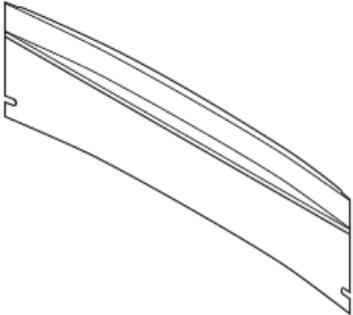
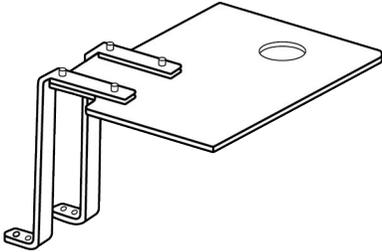
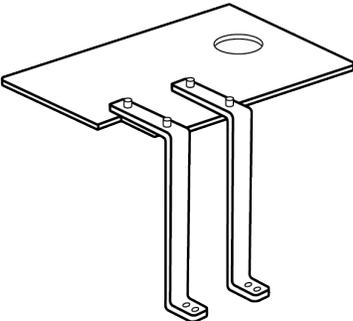
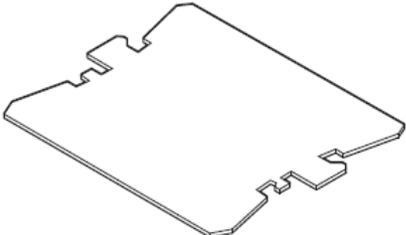
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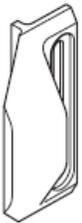
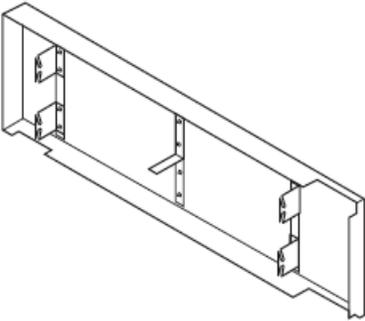
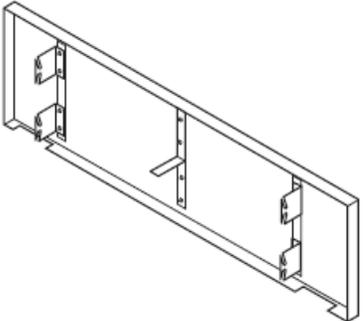
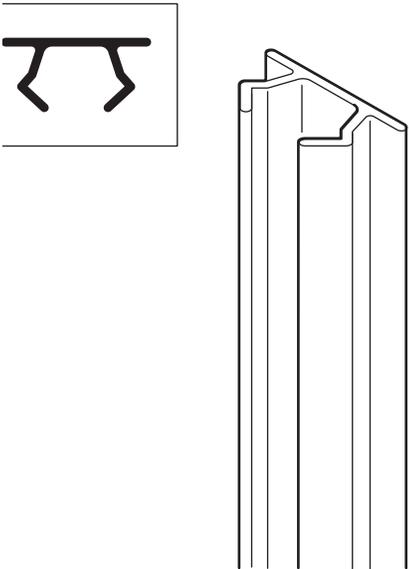
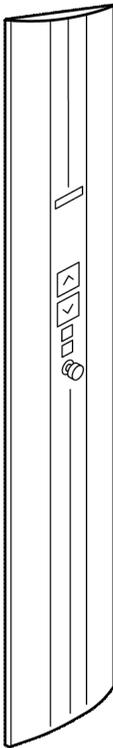
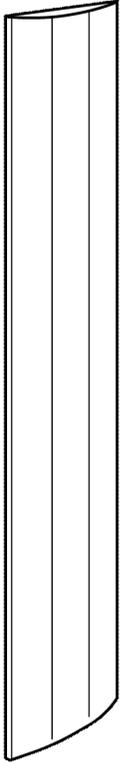
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<p>Ceiling Liner Weldment Type 2 600578</p> 	<p>Rail Jig 600228</p> 	<p>Rail Foot Assy x 2 600169</p> 
<p>Bottom Rail Plate x 2 600152</p> 	<p>Drive Box 600002</p> 	<p>Pendant 329304</p> 
<p>Ceiling Plate 600302</p> 	<p>Rail alignment jig x 3 600398</p> 	<p>Top Roller alignment jig x 2 600210</p> 

<p>Bottom Rails x 2 1955 mm (77") 600219</p> 	<p>Middle Rails (With Splices) 2130 mm (83 13/16") x 2 600468</p> 	<p>Top Rails 2445 mm(96 1/4") x 2 600564</p> 
<p>Top roller - back LH assy 600264</p> 	<p>Top roller - back RH assy 600265</p> 	<p>Top roller - front RH assy 600100</p> 
<p>Top roller - front LH assy 600170</p> 	<p>Overspeed Protection Top Bracket Assy 600307</p> 	<p>Overspeed Protection Bottom Bracket Assy 600306</p> 
<p>Ceiling Assembly 600047</p> 	<p>Bottom Roller Alignment jig 600159</p> 	<p>Bottom roller assembly x 2 60015</p> 

<p>Floor Assembly TYP 1 - 600058 TYP 2 - 600511</p> 	<p>Side wall assembly - left 2000mm (78 3/4") TYP 1 - 600625 1905 mm (75") TYP 1 - 600641 2000mm (78 3/4") TYP 2 - 600630 1905 mm (75") TYP 2 - 600642</p> 	<p>Side wall assembly - right 2000mm (78 3/4") TYP - 600624 1905 mm (75") TYP 1 - 600640 2000mm (78 3/4") TYP 2 - 600630 1905 mm (75") TYP 2 - 600642</p> 
<p>Back wall 2000mm (78 3/4") CAB - 600110 1905mm (75") CAB - 600547</p> 	<p>Top back wall bracket x 2 600153</p> 	<p>Door 2000mm (79 3/4") CAB - 600109 1905 (75") CAB - 600553</p> 

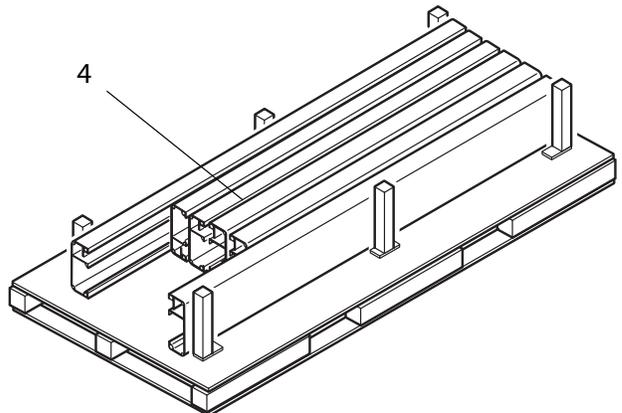
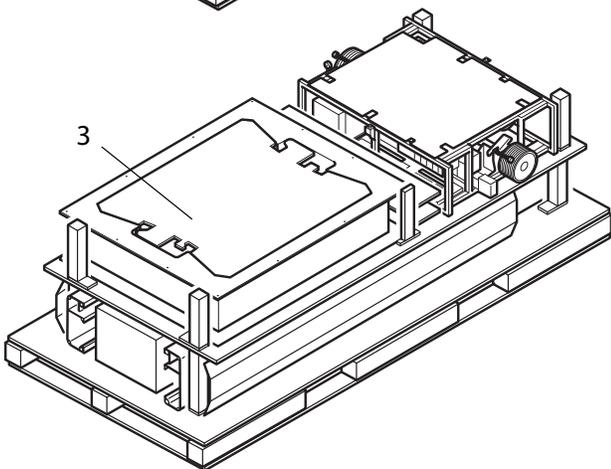
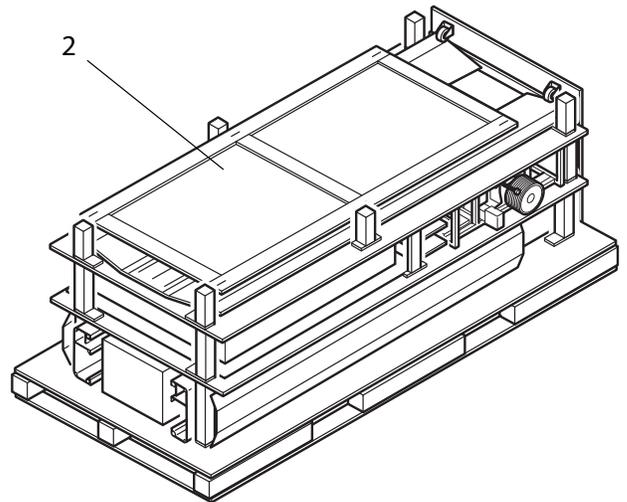
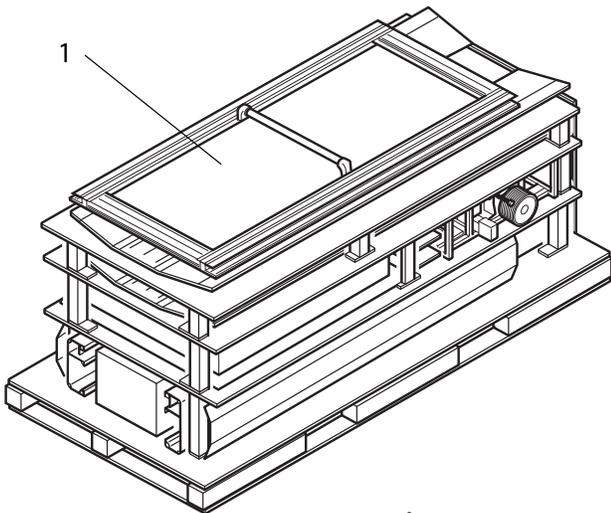
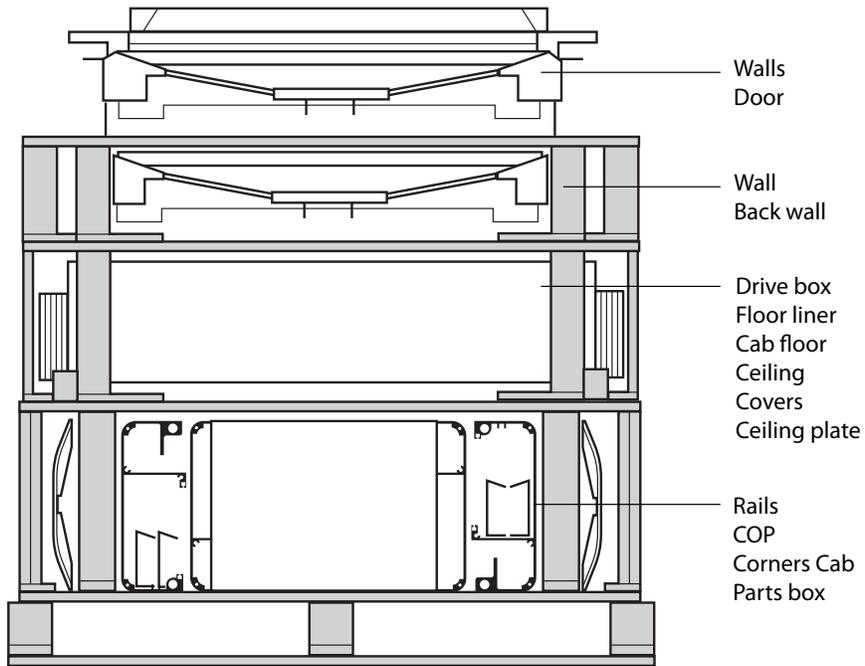
<p>Top door bracket x 1 600150</p> 	<p>Door beak x 1 600441</p> 	<p>cover door slot B 600247</p> 
<p>Cover door slot A 600392</p> 	<p>Outside cover RH x 2 2000 mm (79 3/4") CAB - 600027 1905 mm (75") CAB - 600538</p> 	<p>Outside cover LH x 2 2000 mm (79 3/4") CAB - 600067 1905 mm (75") CAB - 600537</p> 
<p>Inside cover 200 mm (79 3/4") CAB - 600068 1905 mm (75") CAB - 600536</p> 	<p>Inside seal OGM-0122</p>  	<p>Sticker door key x 1 (Type 2 x 2) 600489</p> 

<p>Sticker door key x 1 (Type 2 x 2) 600096</p> 	<p>Charger bracket 600361</p> 	<p>Charger 600412</p> 
<p>Charging strip (positive) 600419</p> 	<p>Charging strip (negative) 600321</p> 	<p>Door zone cam 600321</p> 
<p>Rail cover assy RH x 8 600693</p> 	<p>Rail cover assy LH x 8 600694</p> 	<p>Seal bottom cover x 2 600244</p> 
<p>Internal rail cover RH 600500</p> 	<p>Internal cover LH 600501</p> 	<p>Floor hatch TYP 1 - 600512 TYP 2 - 600603</p> 

<p>Final cam 600318</p> 	<p>Front Service panel 600124</p> 	<p>Back service panel 600130</p> 
<p>Dust cover 108765</p> 	<p>COP 2000 mm (79 3/4") CAB - 600134 1905 mm (75") CAB - 600541</p> 	<p>Opposite wall 2000 mm (79 3/4") CAB - 600137 1905 mm (75") CAB - 600545</p> 

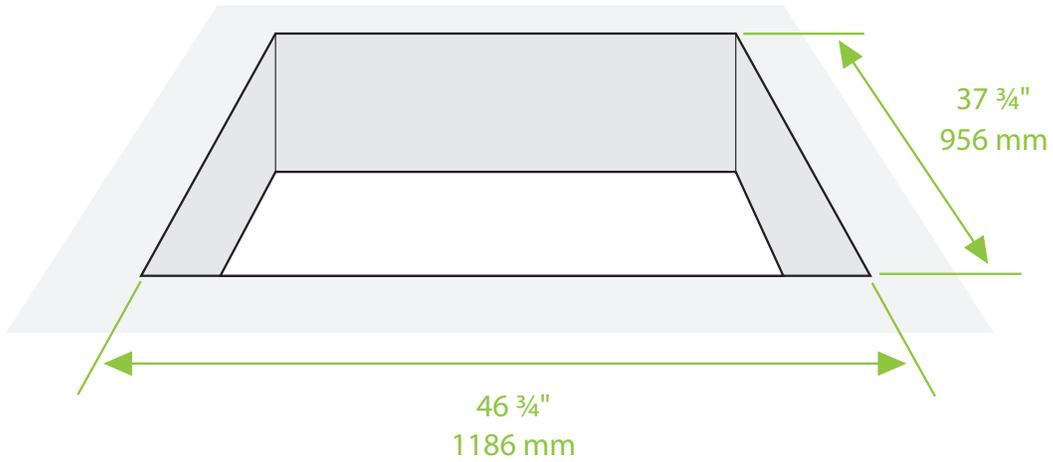
PACKAGING INFORMATION

Skid placement and unpacking order



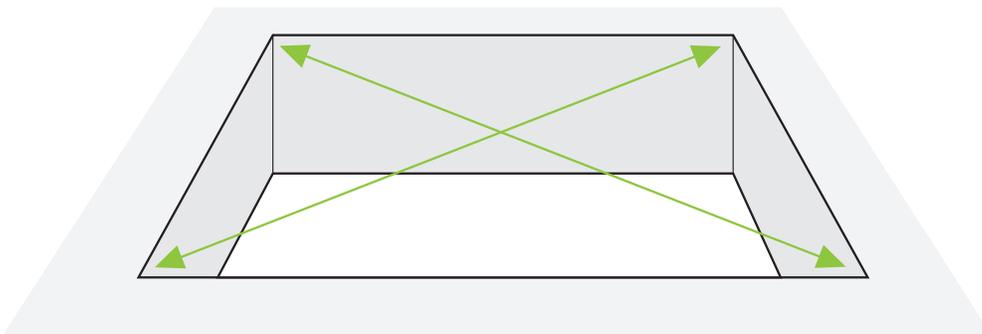
PRE-INSTALLATION CHECK

1. Floor cut-out measurements

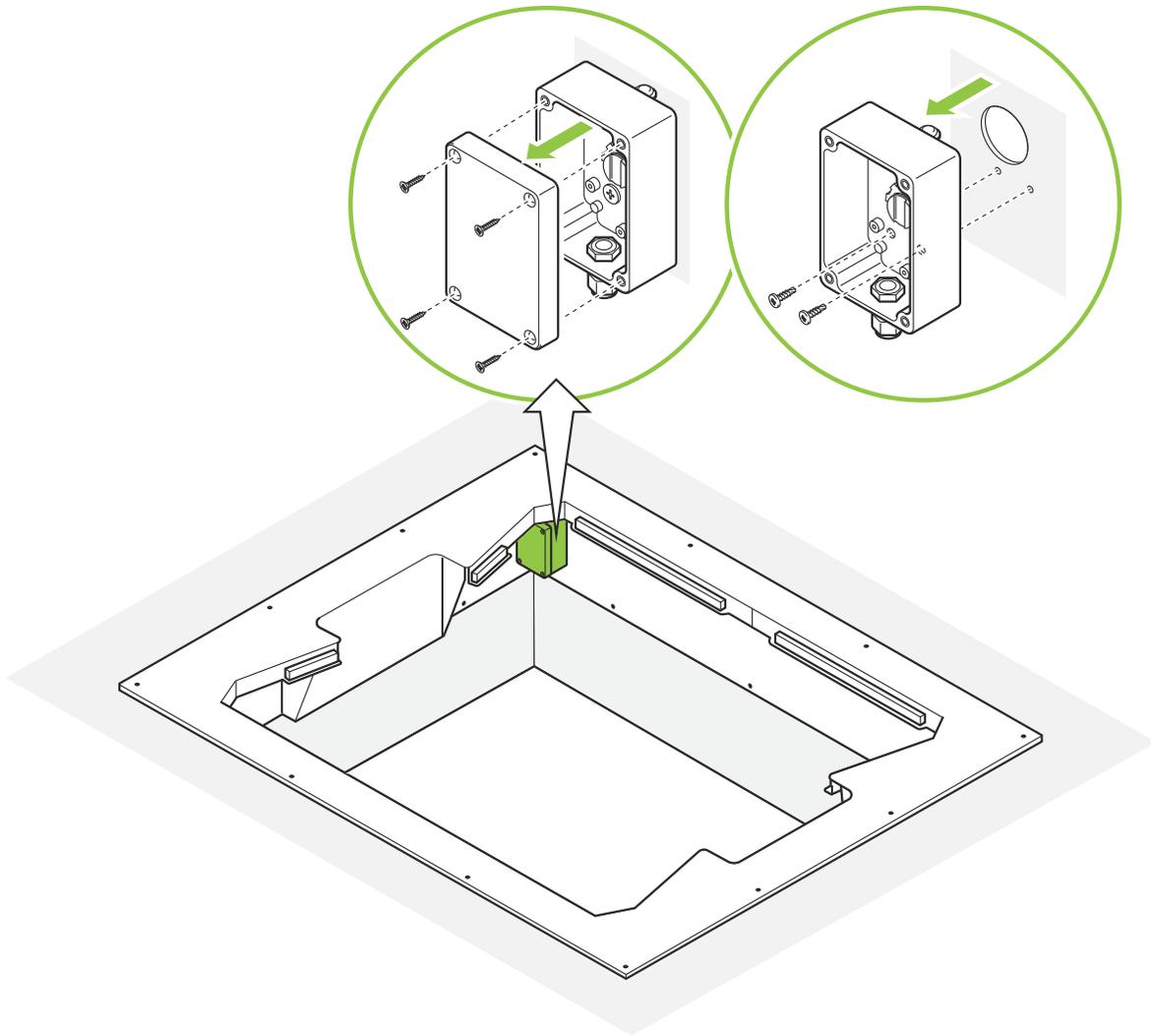


NOTICE

Check if the Floor cut-out is square and matches the planned area on the first landing. Ensure squareness by measuring the diagonals on the cut-out.

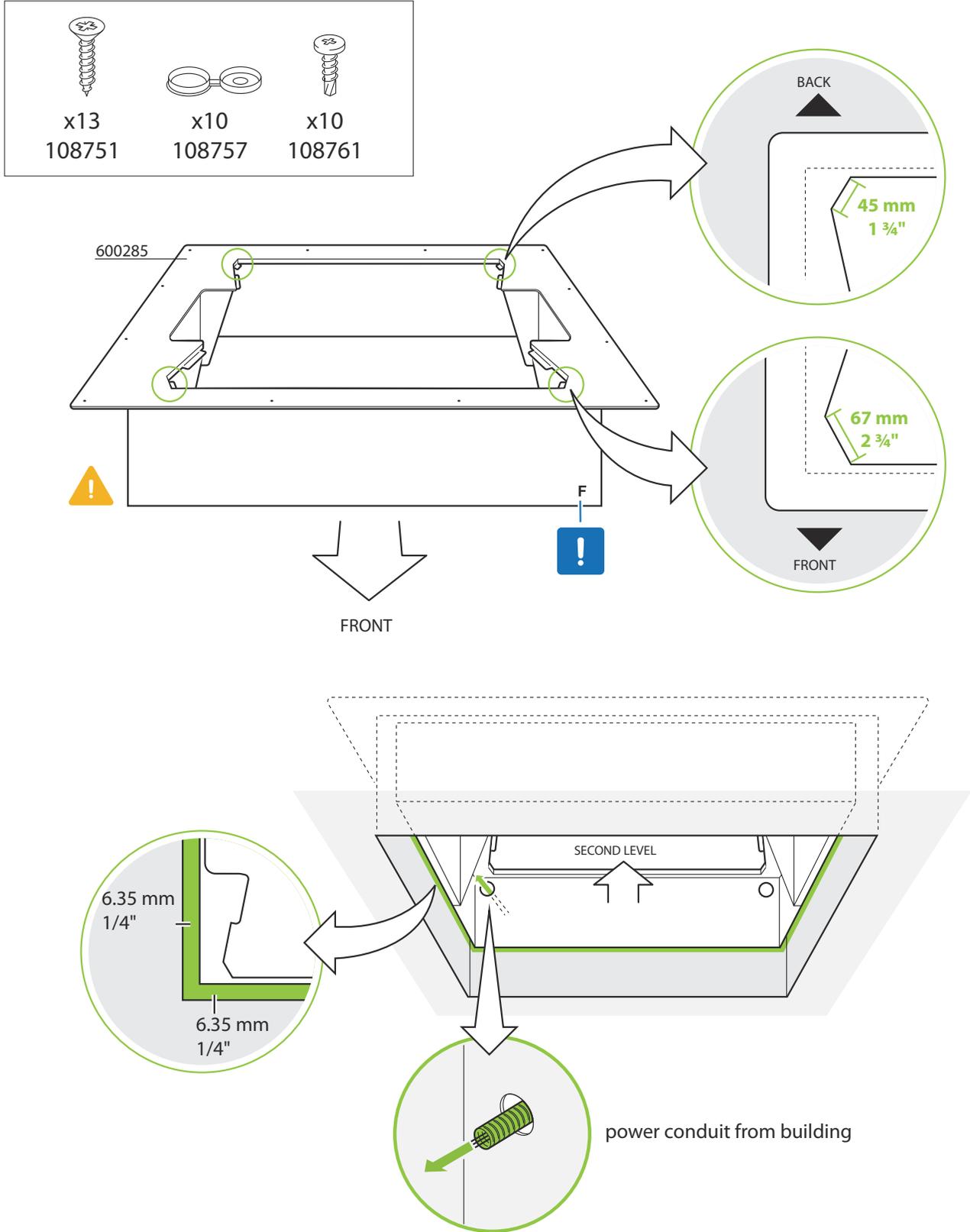


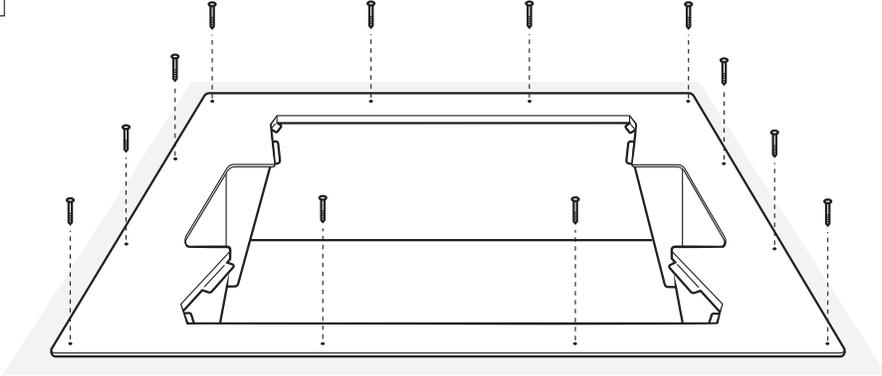
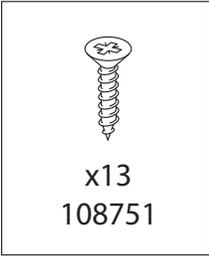
2. Junction Box removal



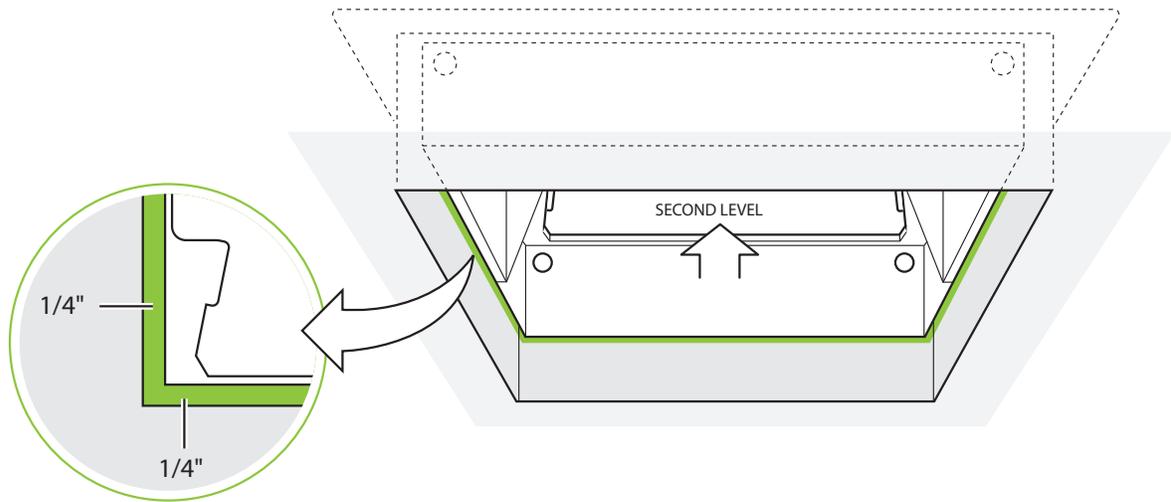
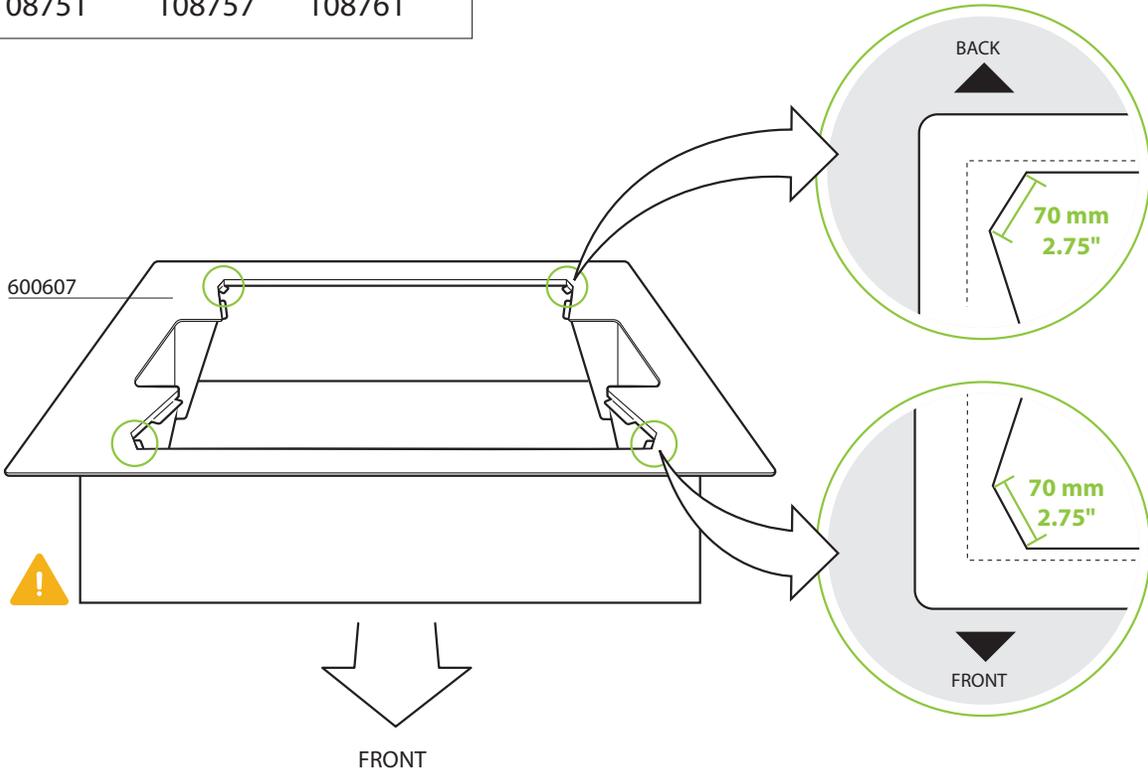
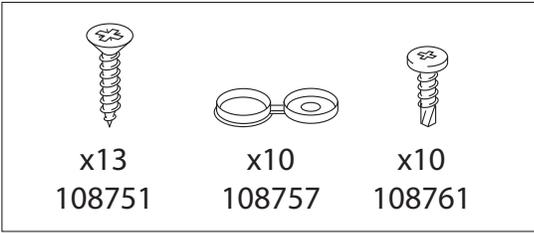
STEP 1: LINER ASSEMBLY

1A. Floor Liner Type 1

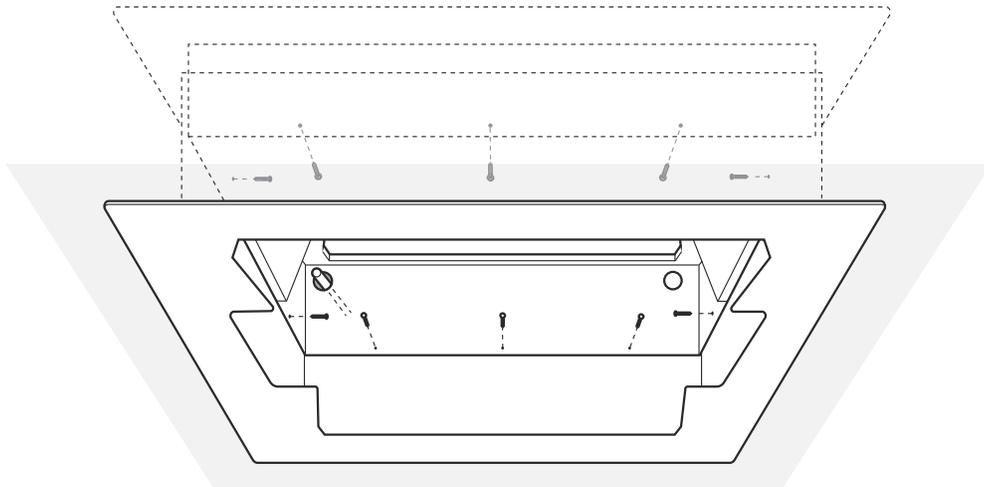
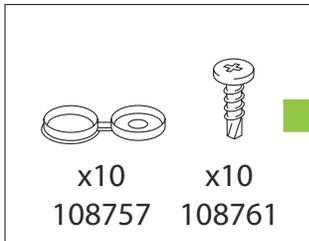
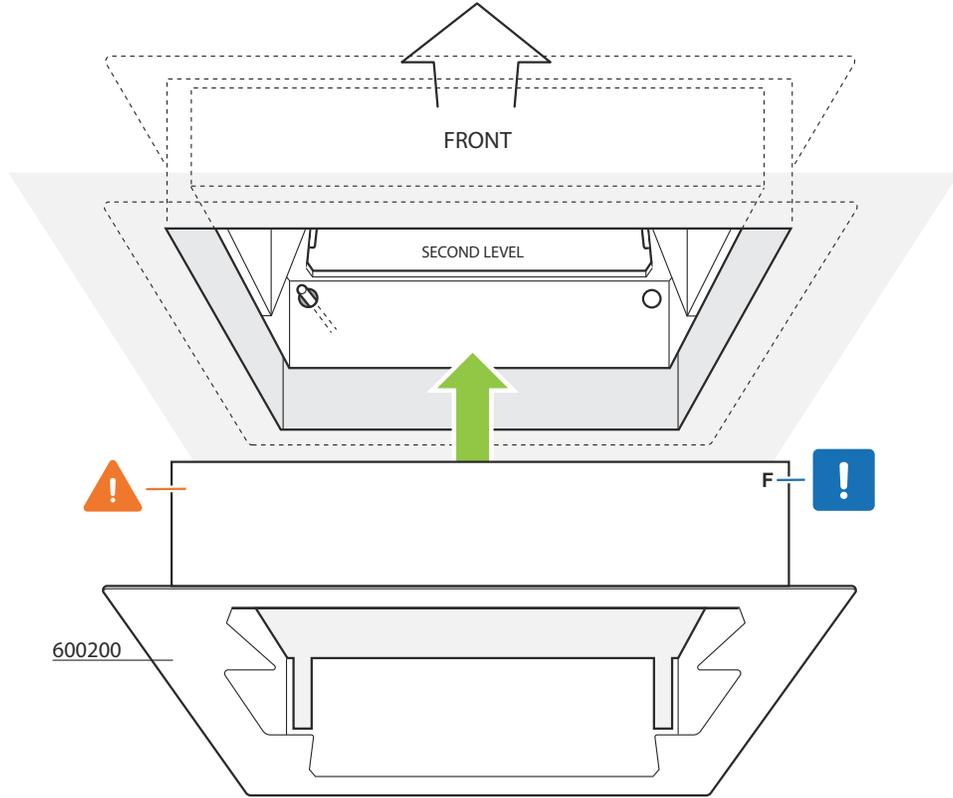




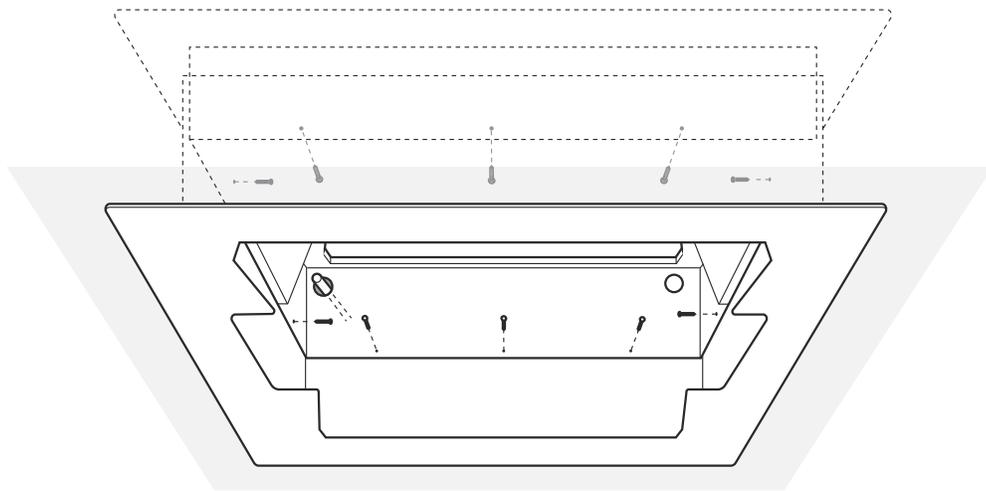
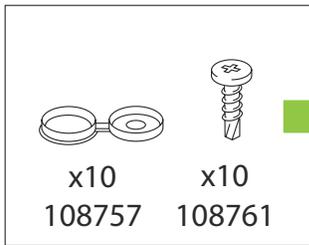
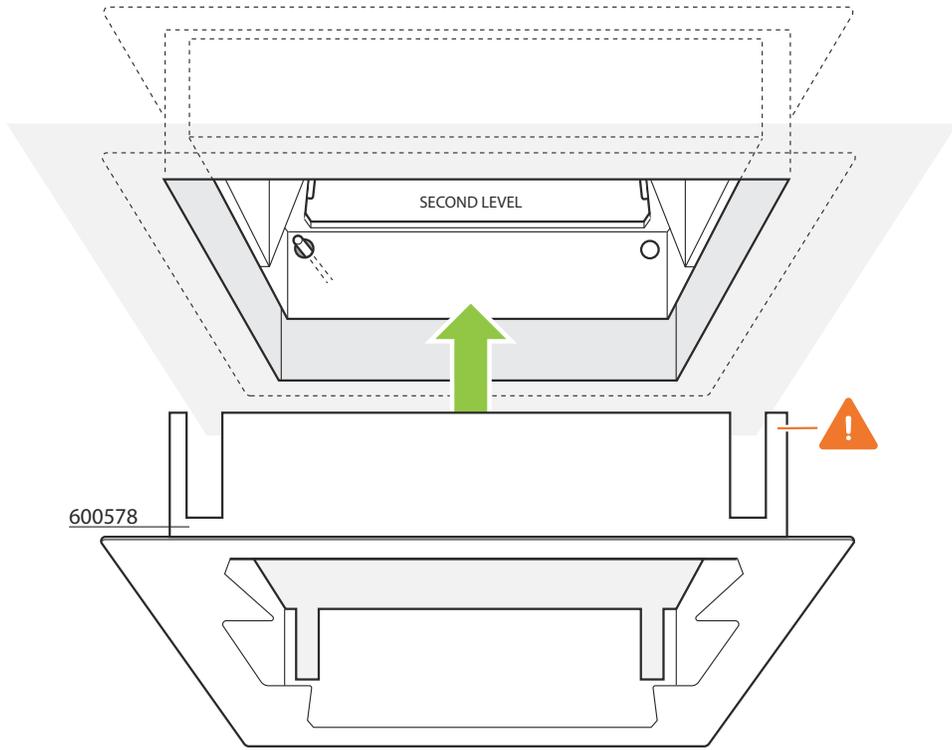
1B. Floor Liner Type 2



2A. Bottom Liner Type 1

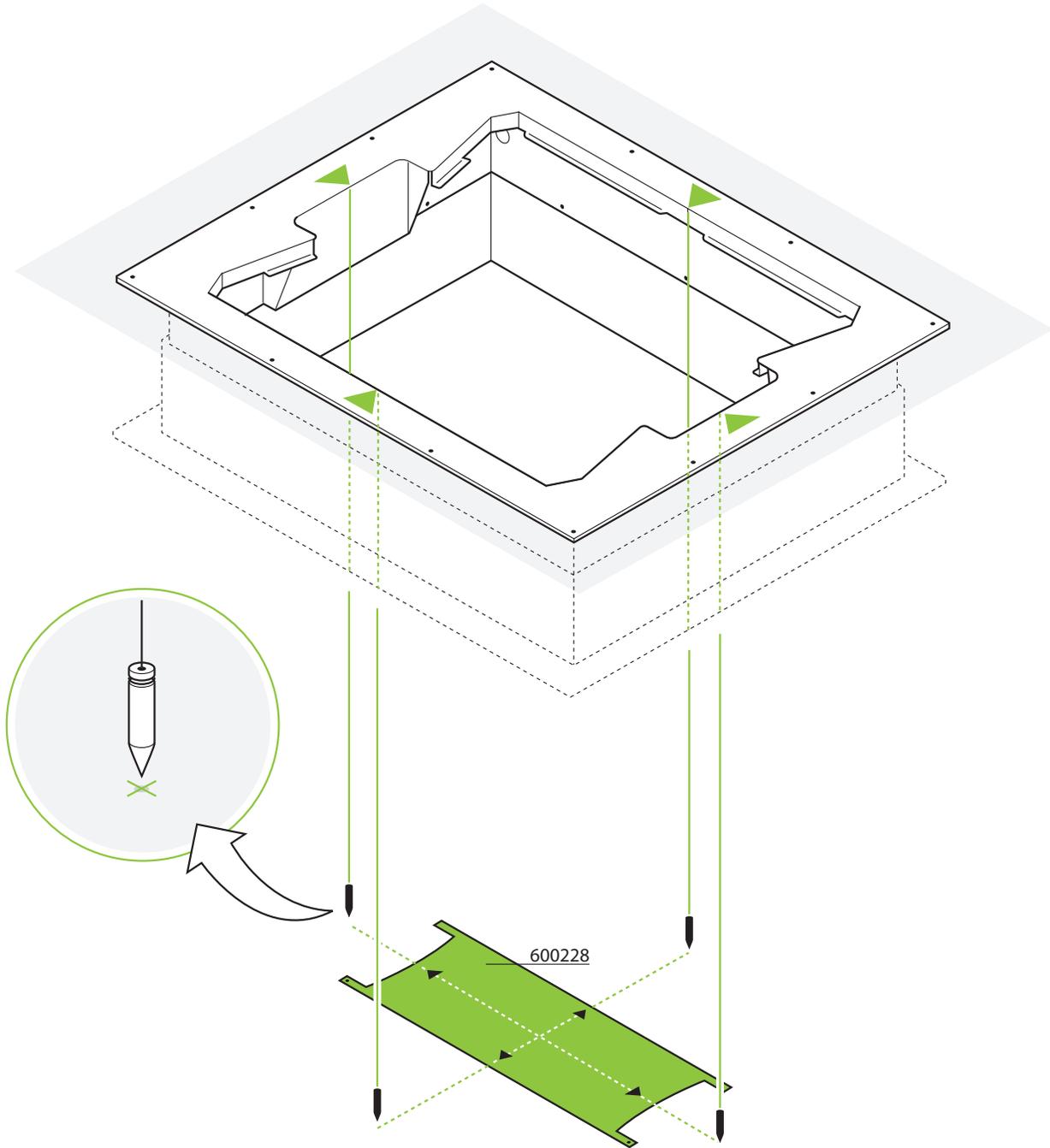


2B. Bottom Liner Type 2

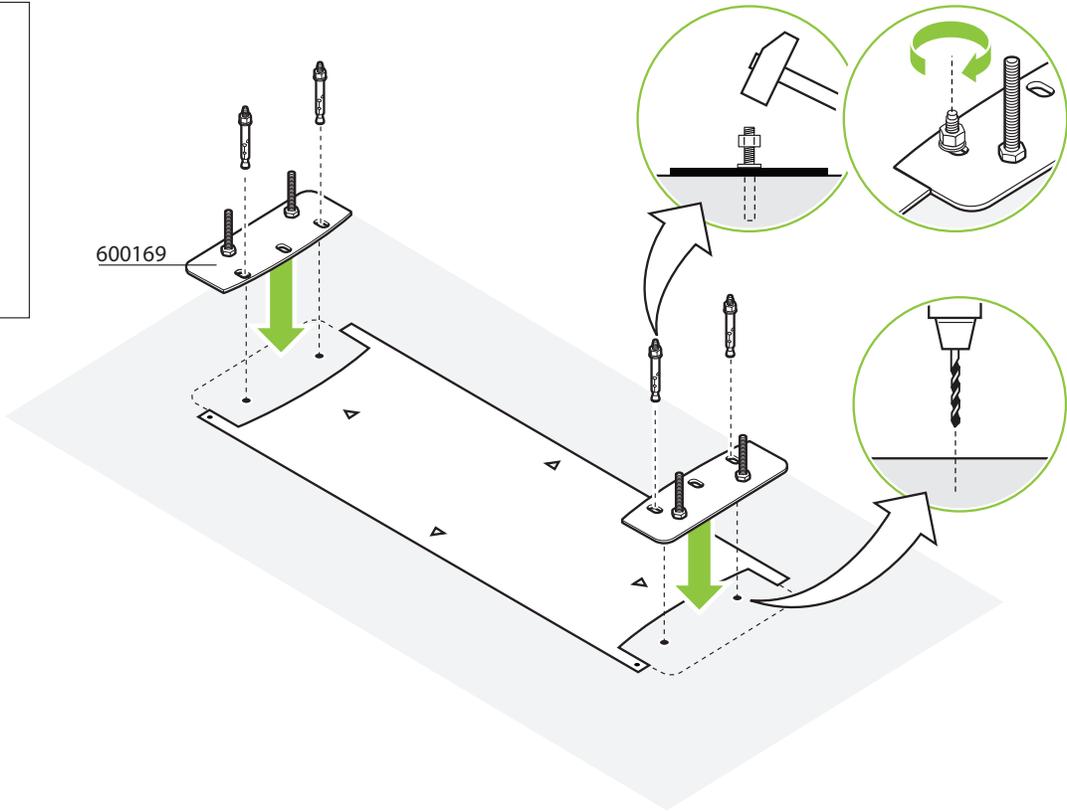
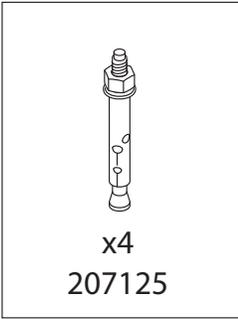


STEP 2: BOTTOM PLATE ASSEMBLY

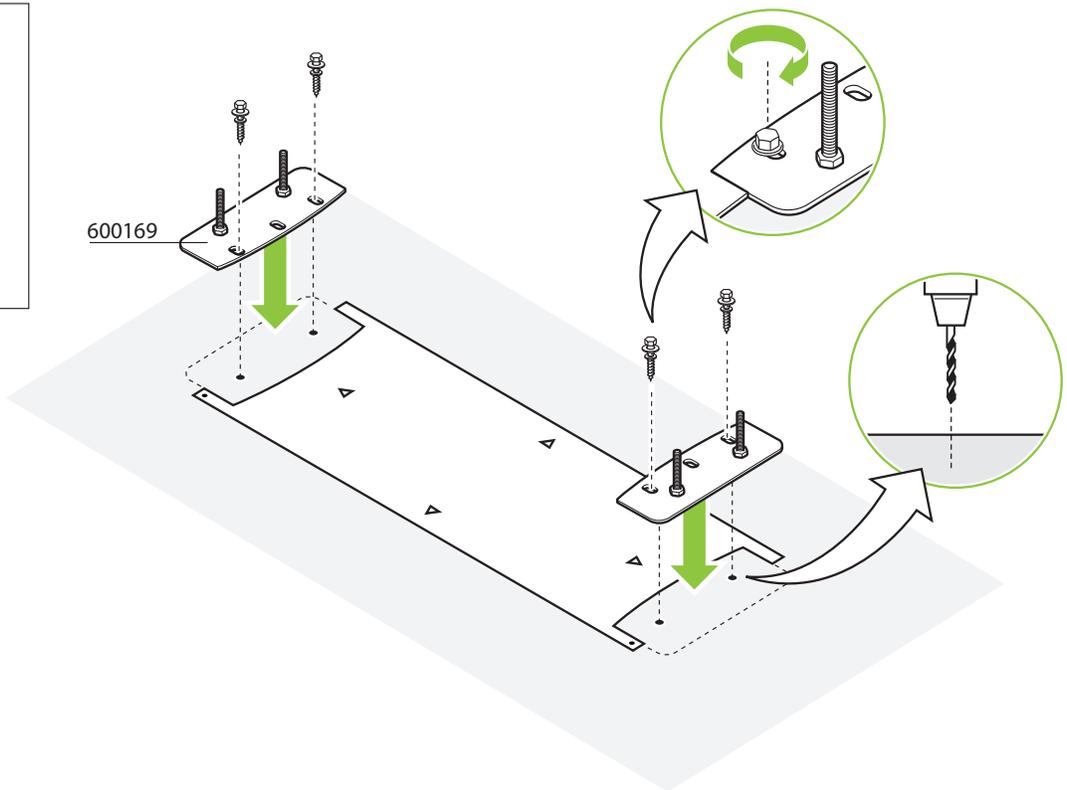
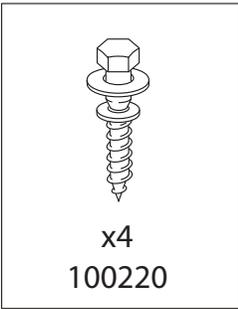
1. Bottom Rails plates



2A. For Concrete Floors

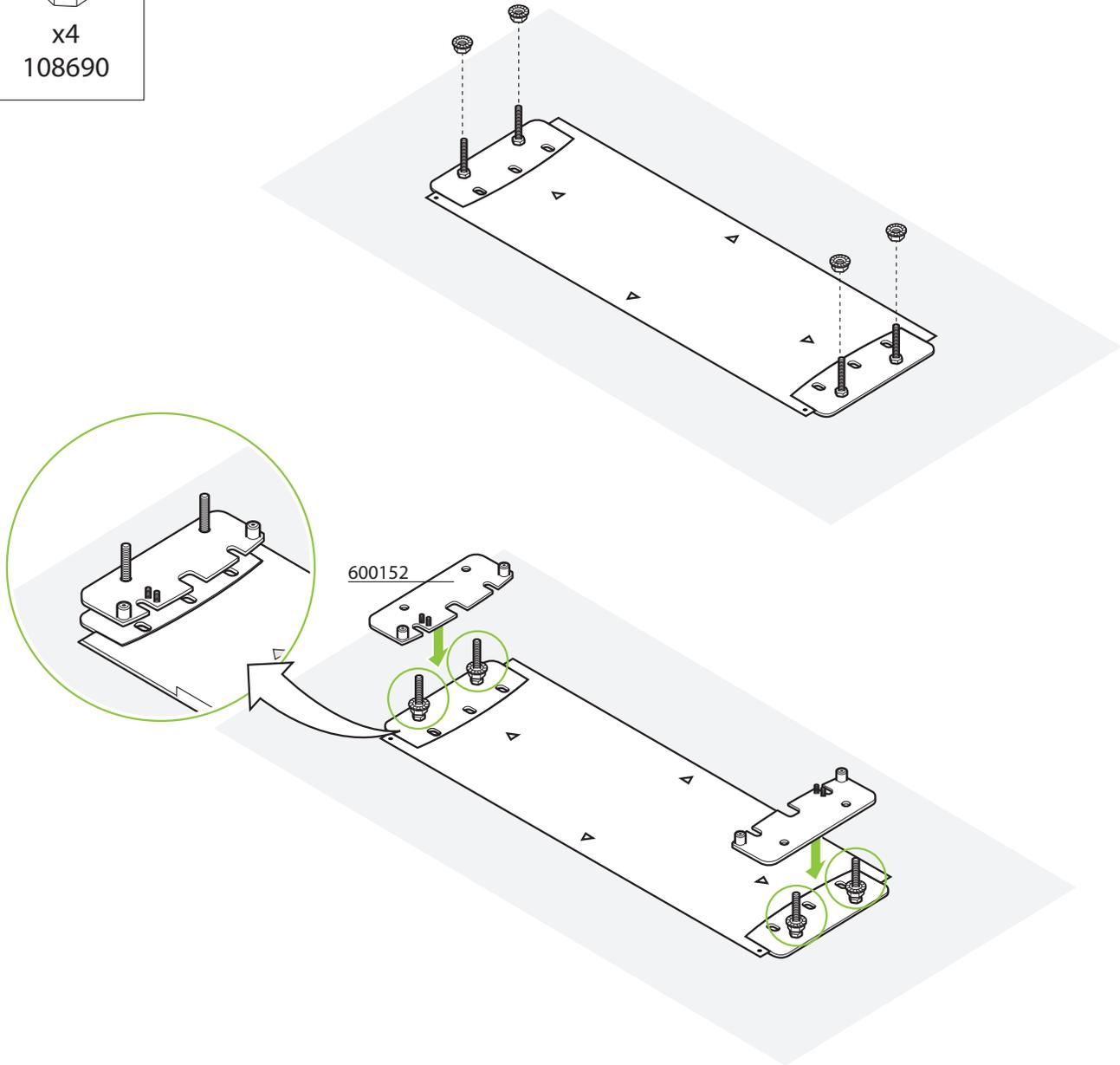


2B. For Wooden Floors

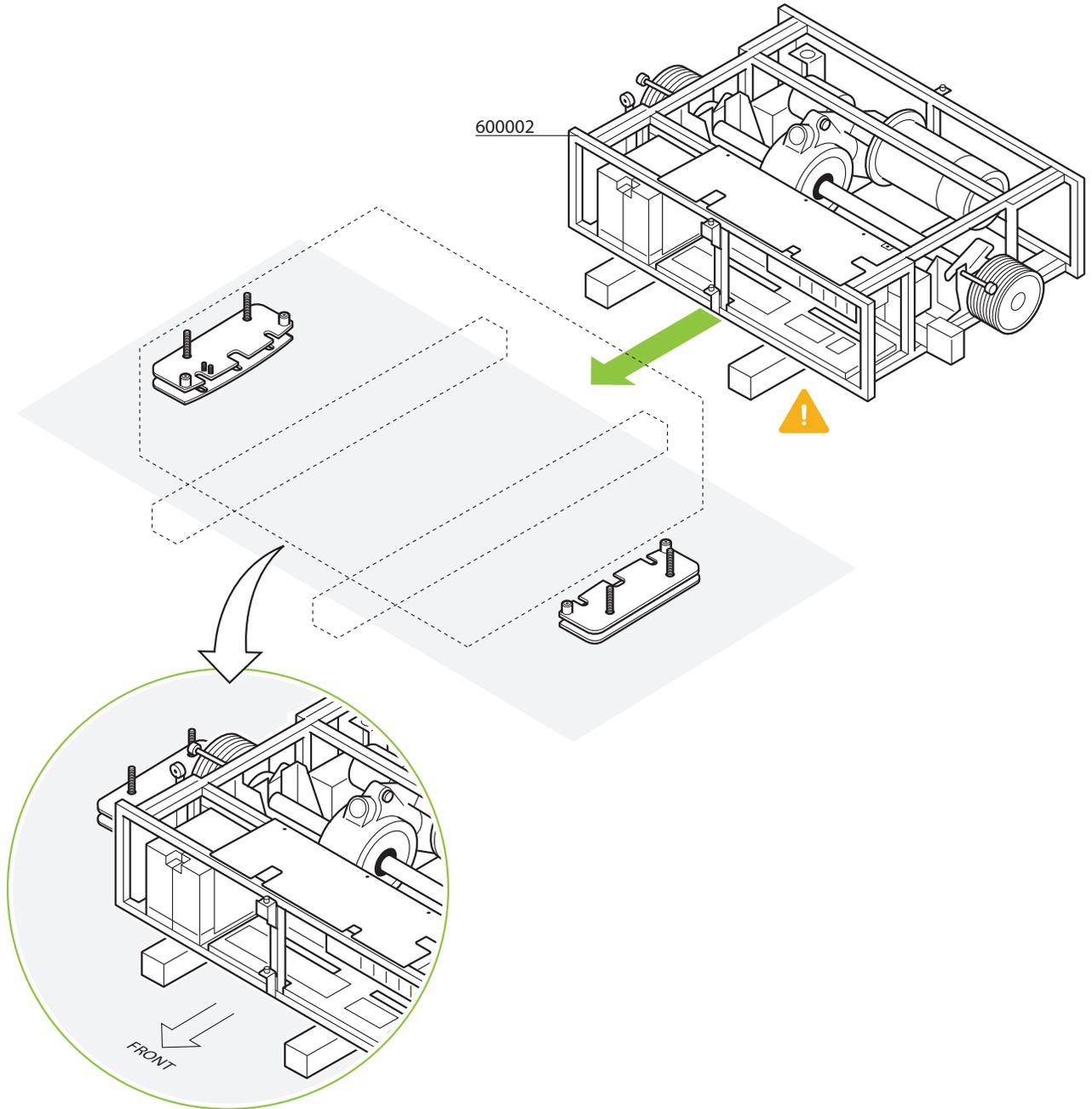


STEP 3: RAIL INSTALLATION

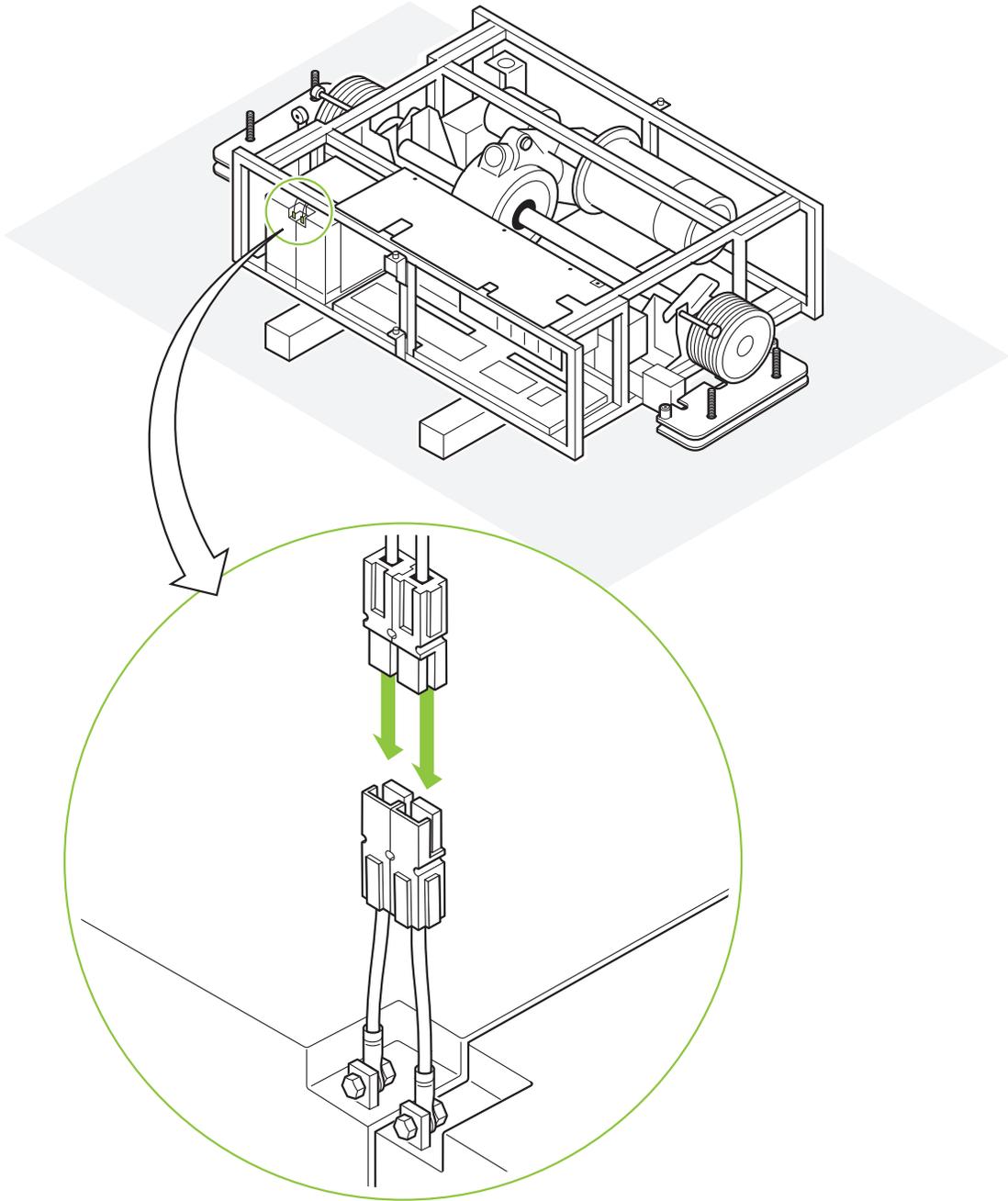
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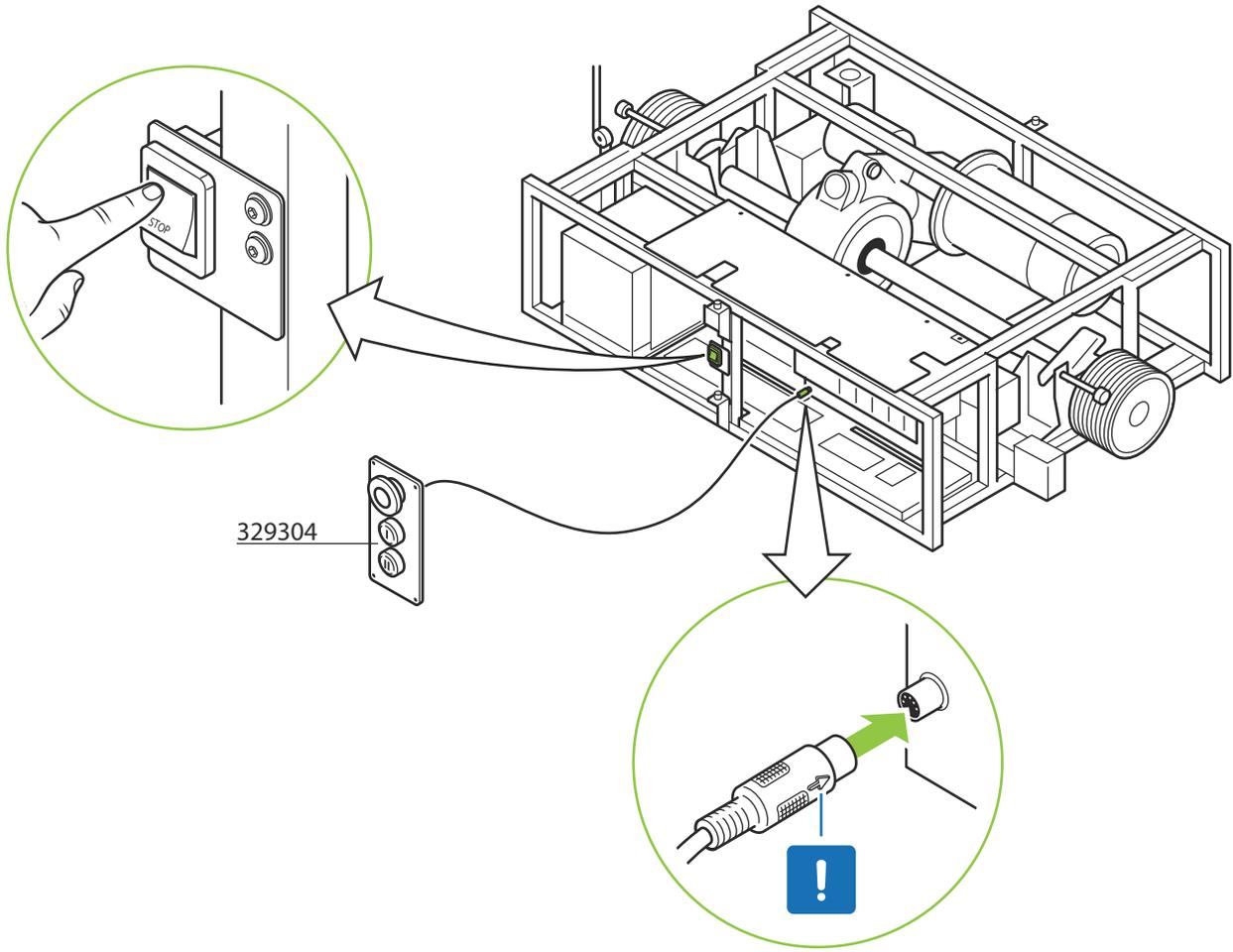
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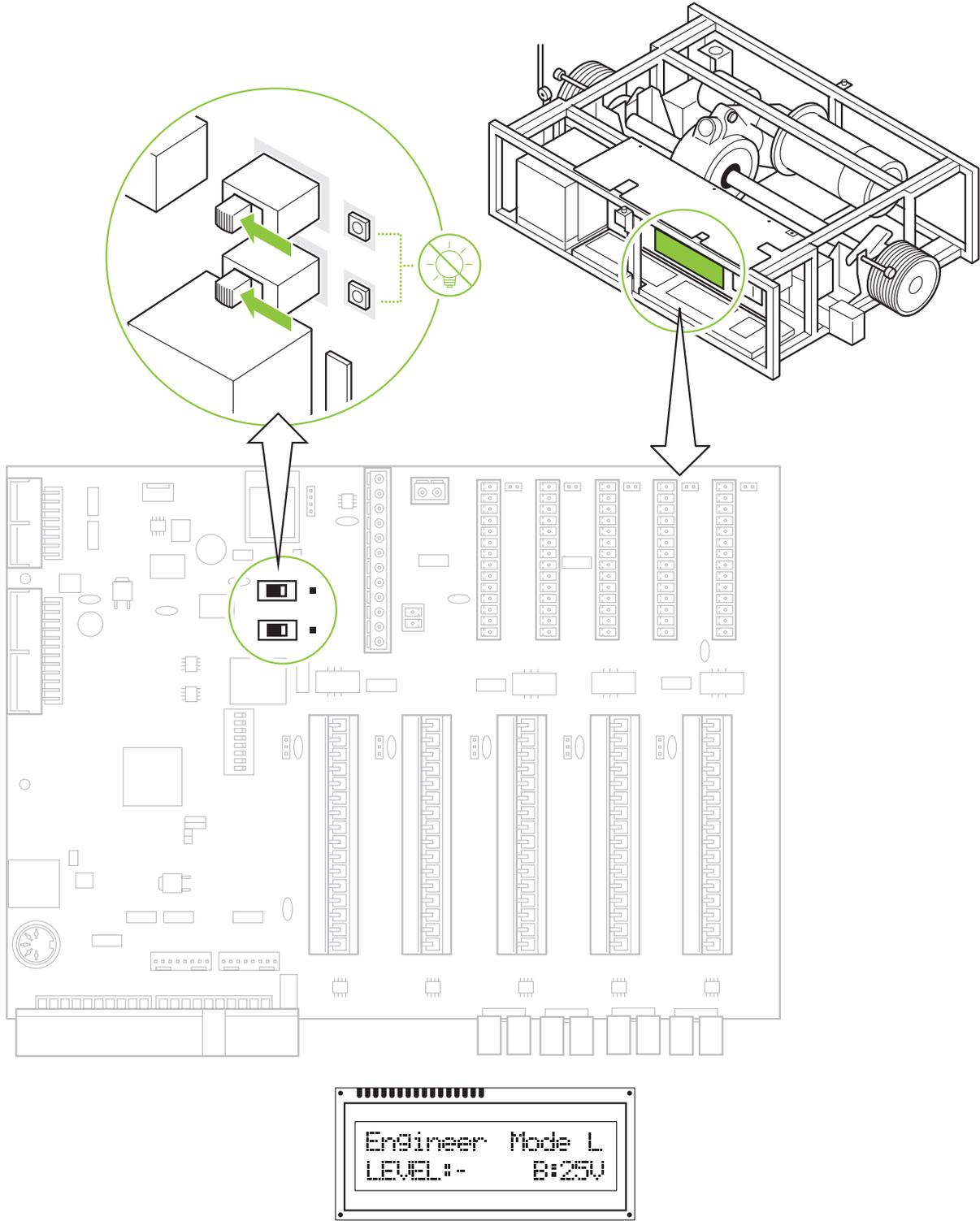


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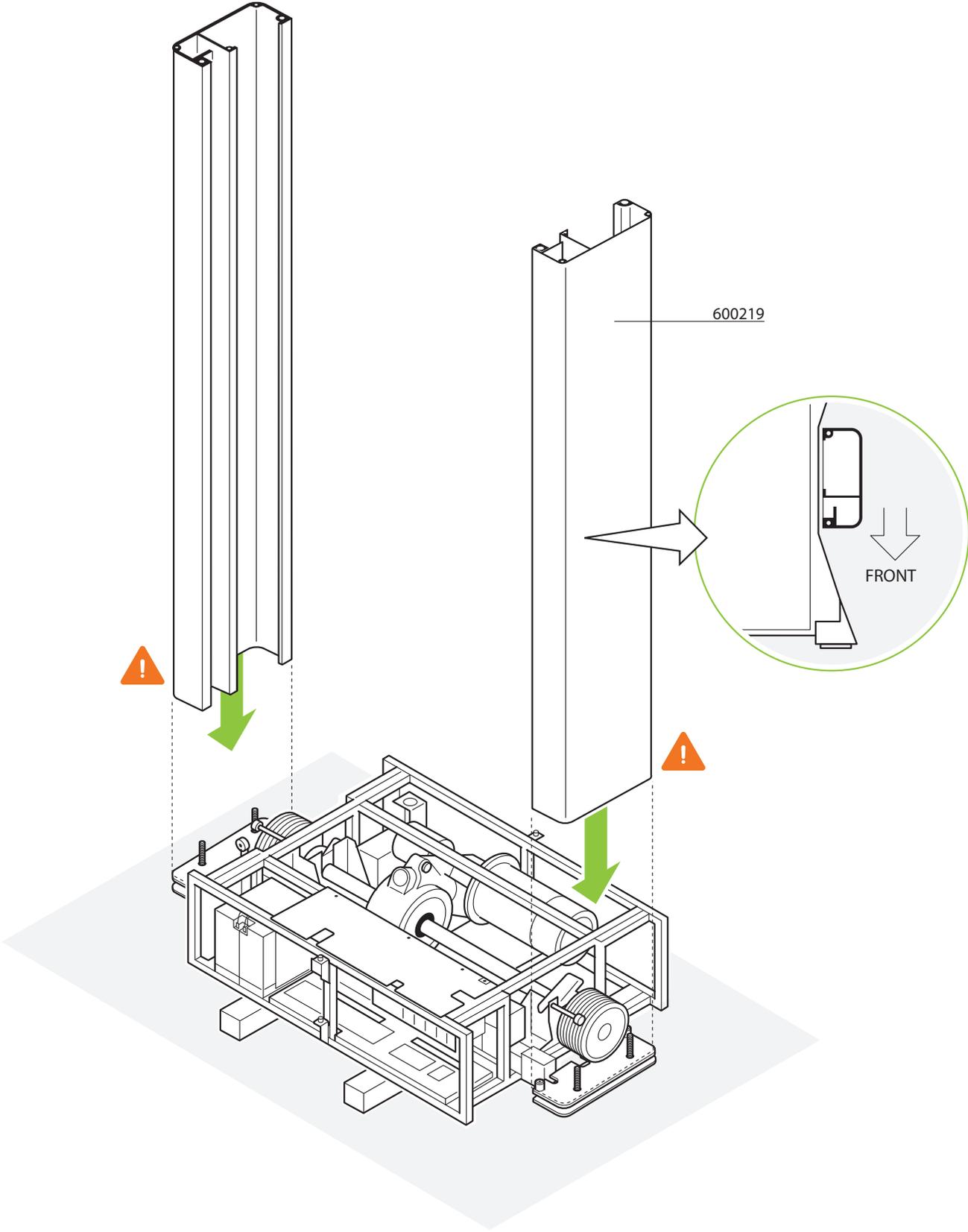


4. Connecting the Pendant and Powering the Drive

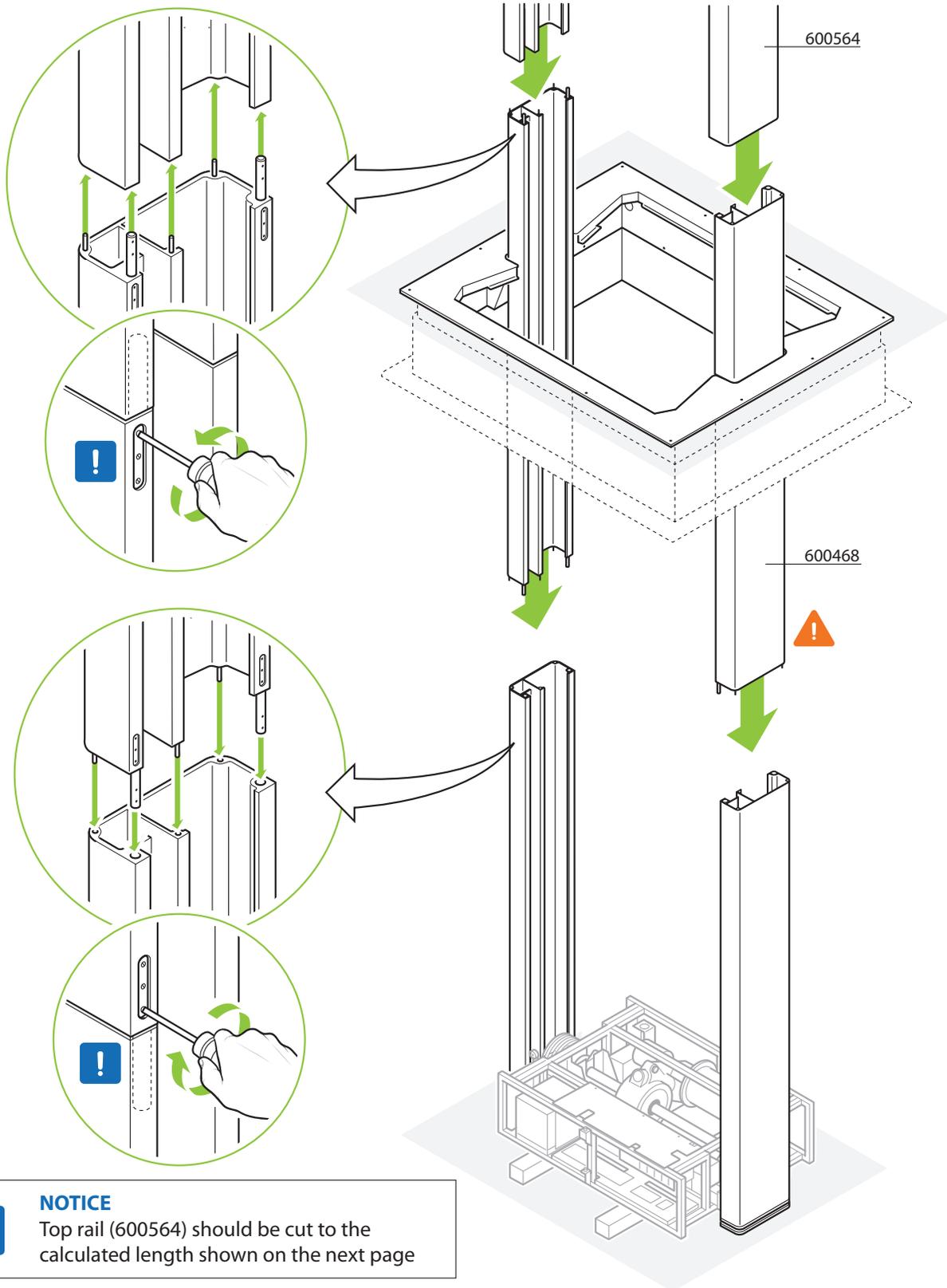




5.



6.

**NOTICE**

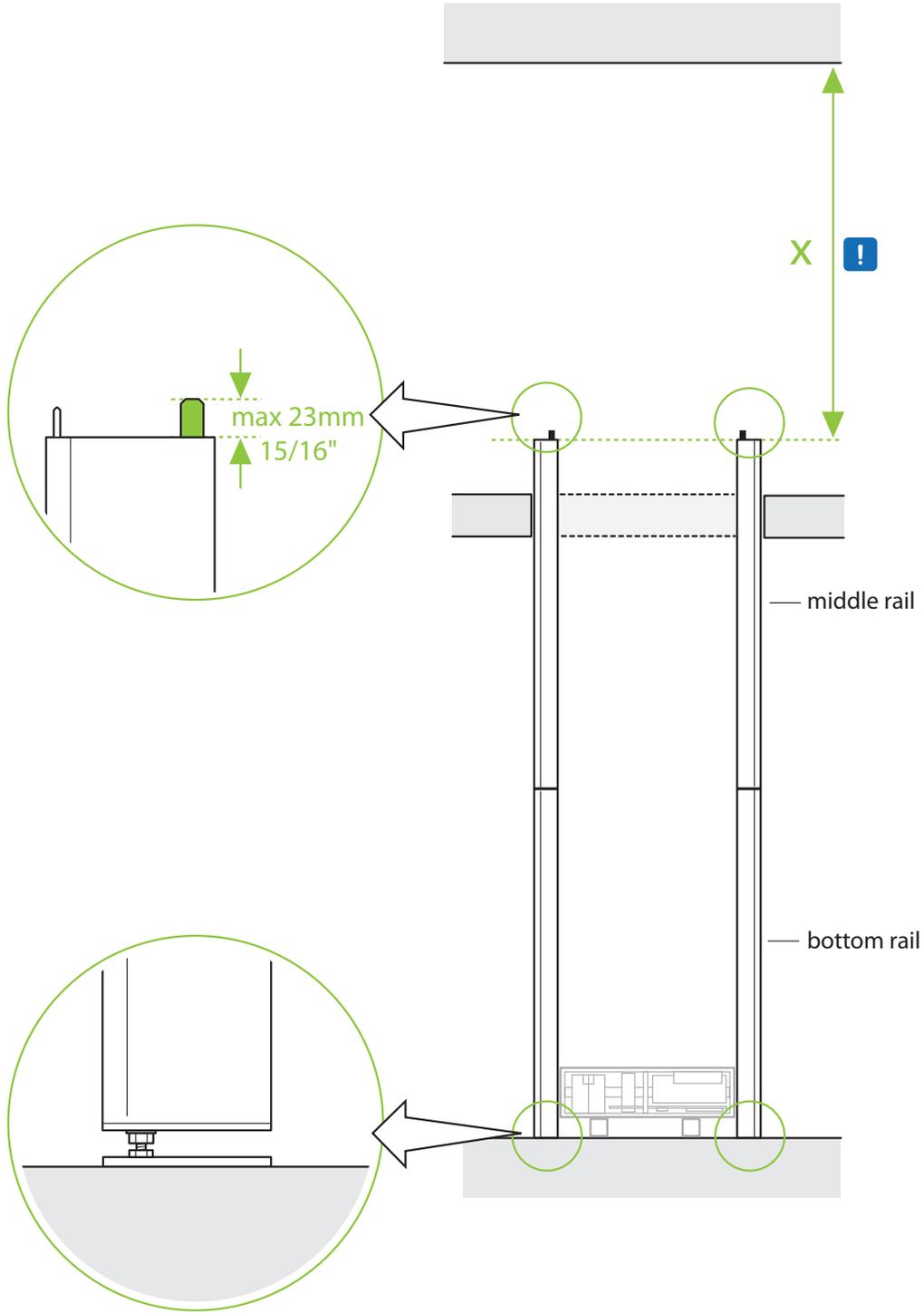
Top rail (600564) should be cut to the calculated length shown on the next page

**NOTICE**

Do not remove the set screws completely. Set screws should only be loosened to allow movement for splices.

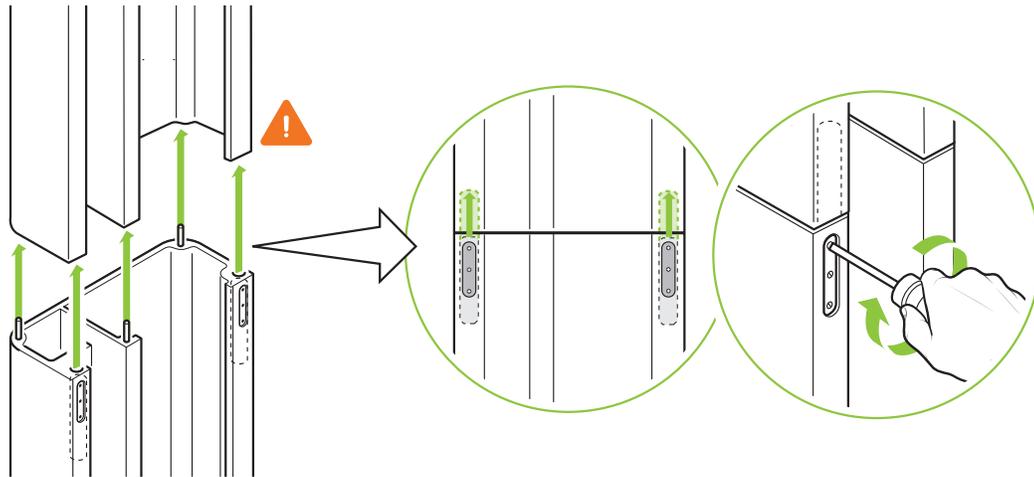
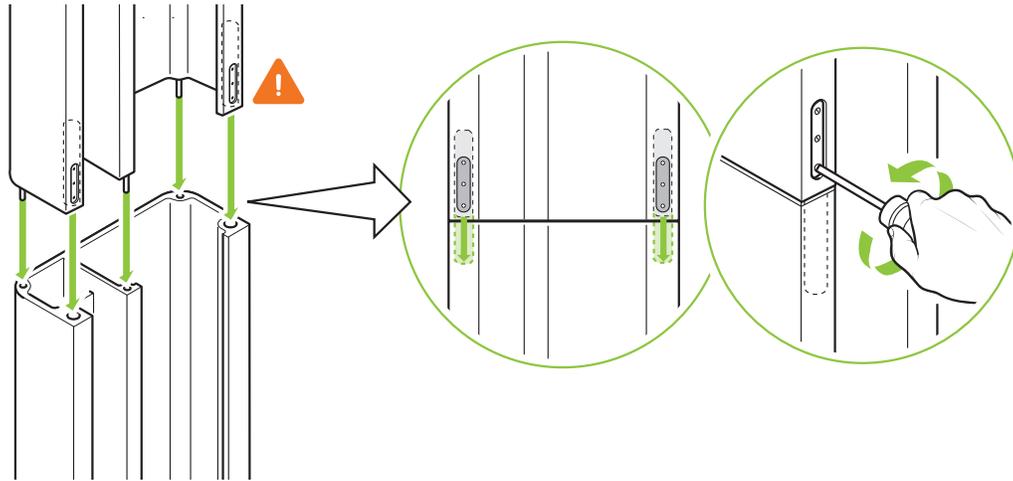
7.

⚠ Top Rail length = $X - 62\text{mm}$ ($2 \frac{7}{16}"$)

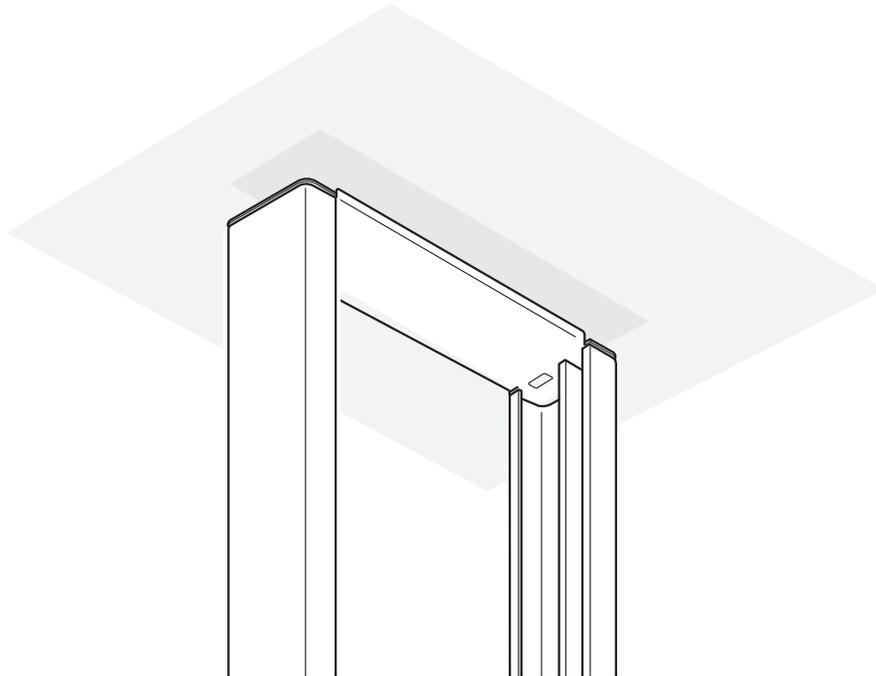
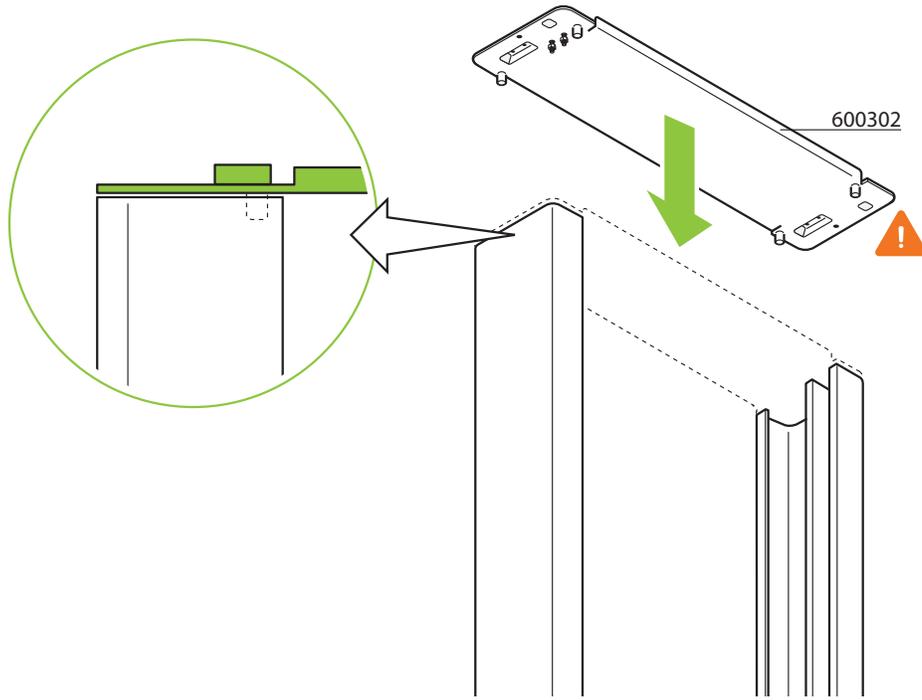


⚠ NOTICE
Top Rail should only be cut to the calculated length shown above.

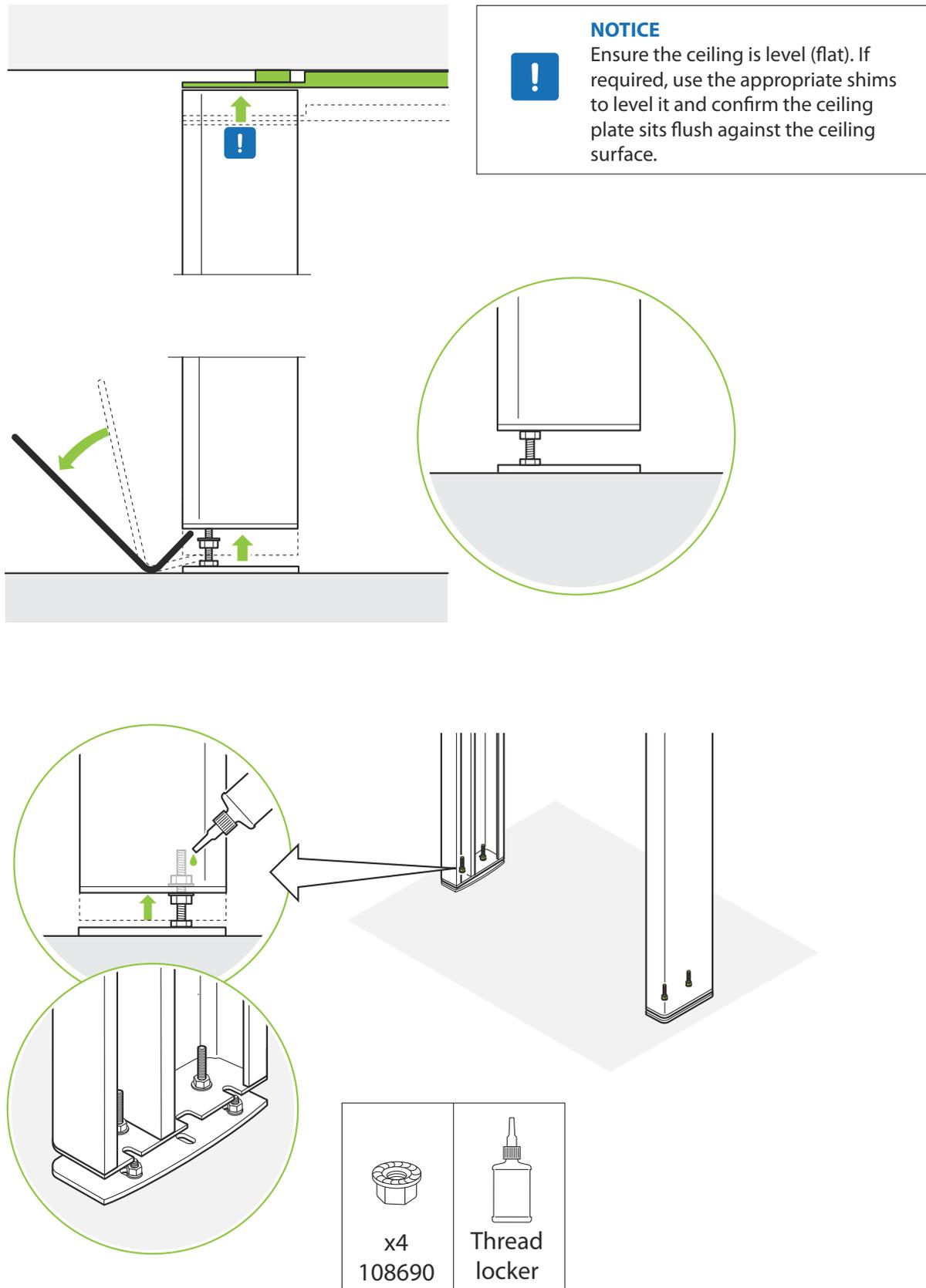
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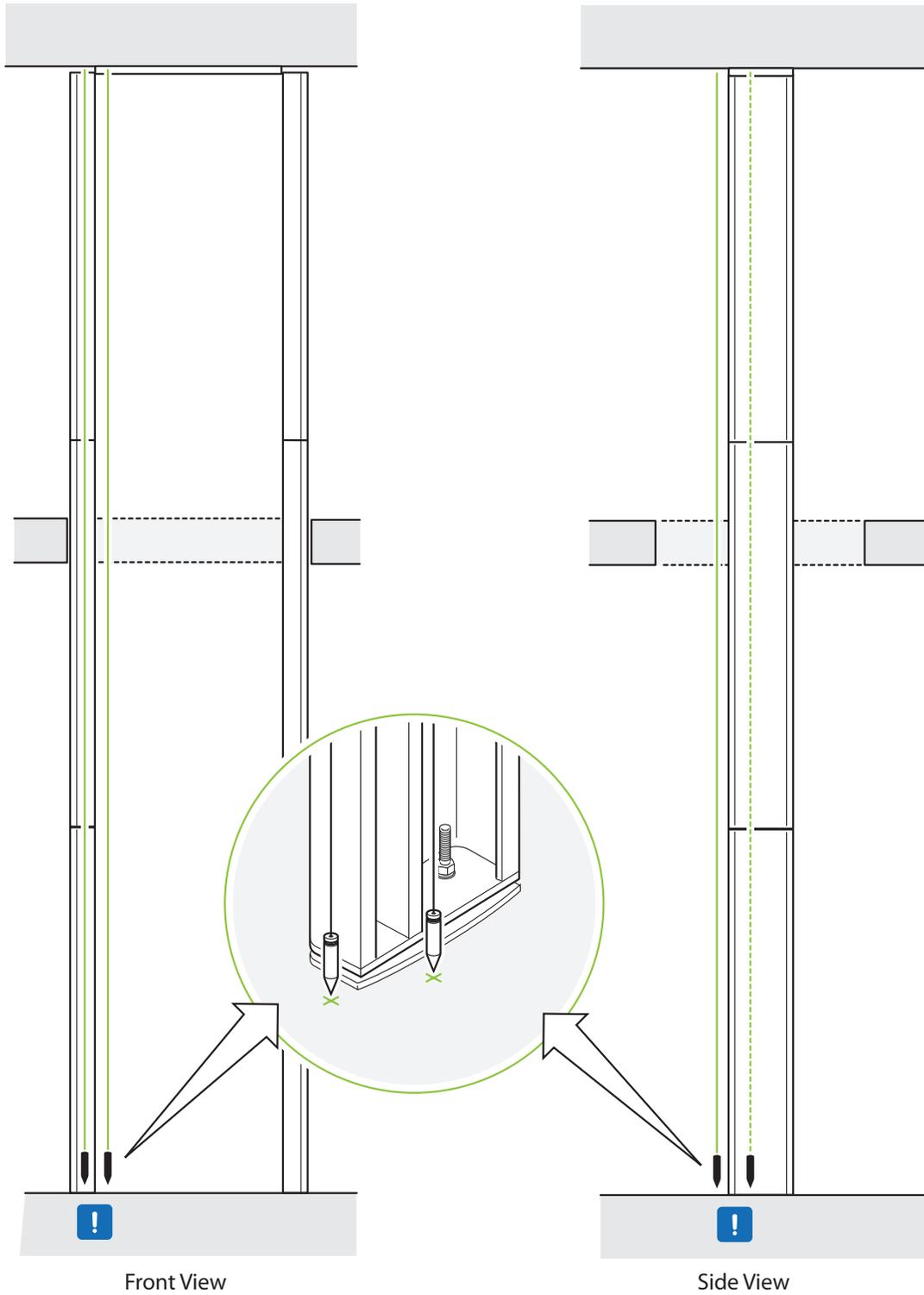
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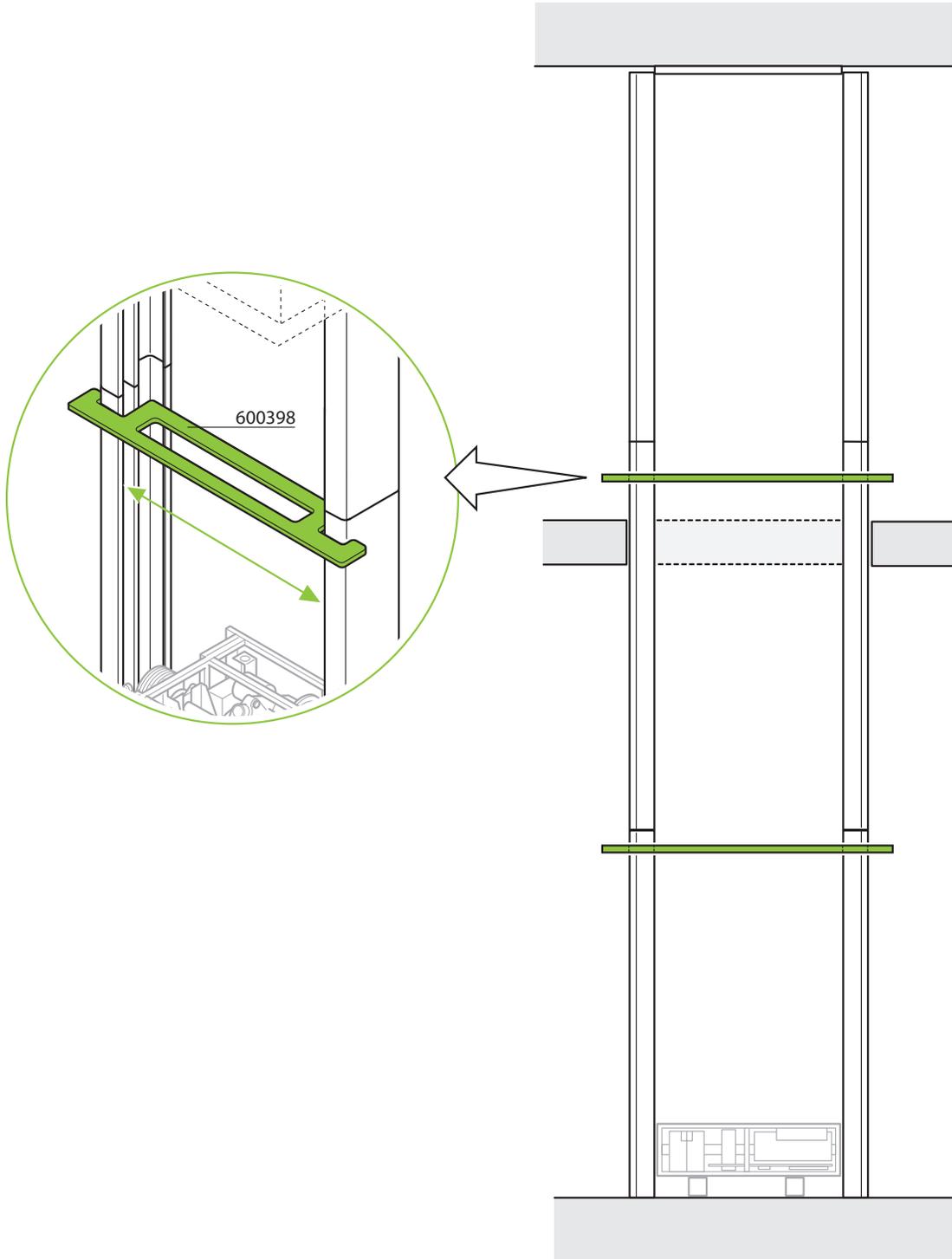
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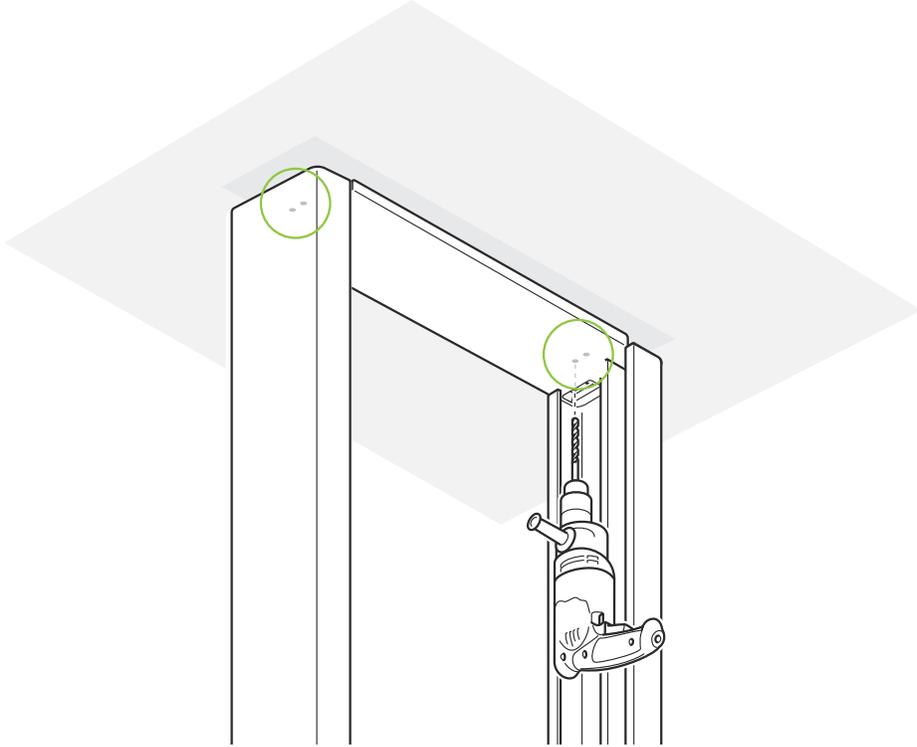
11. Rail alignment



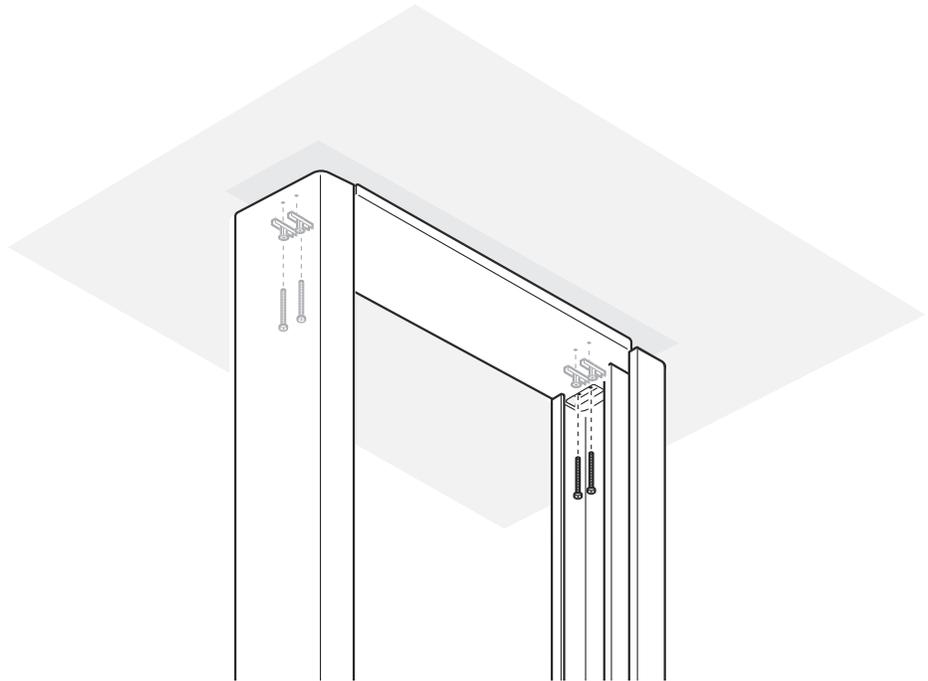
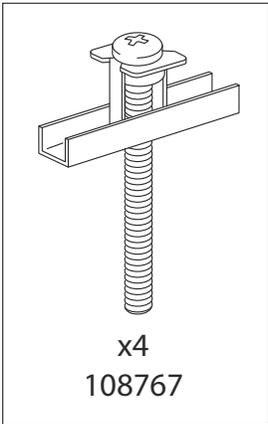
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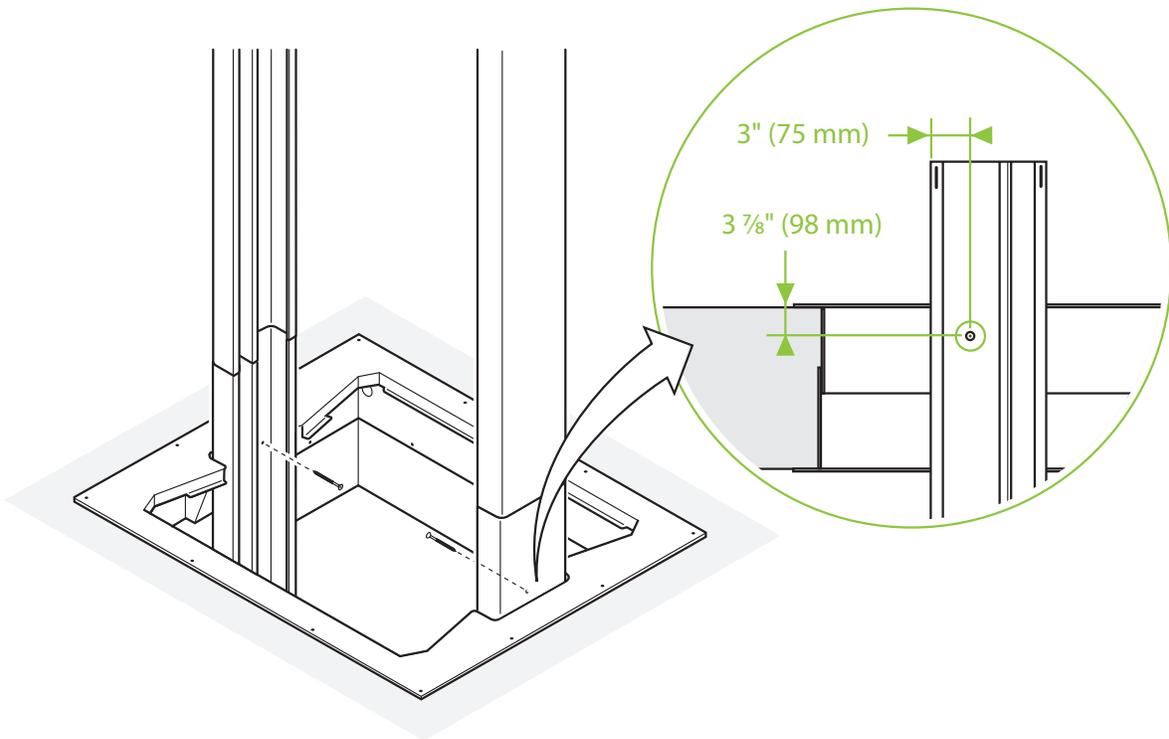
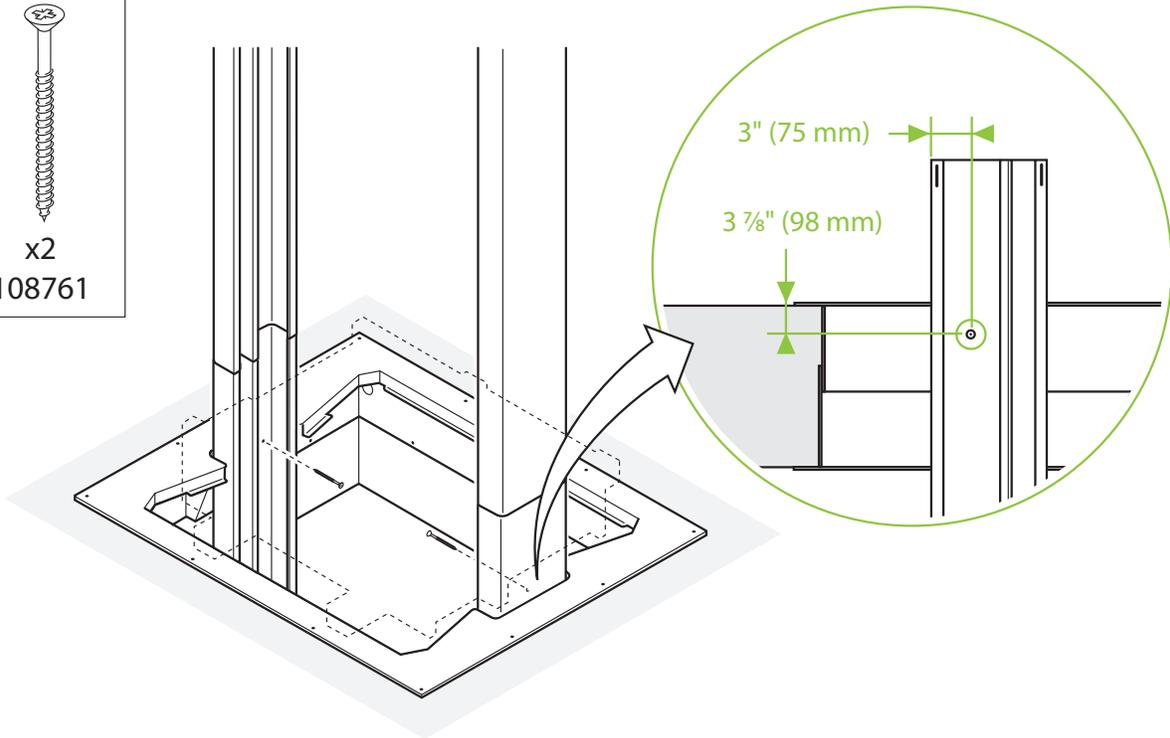
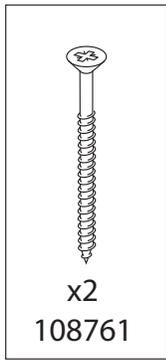
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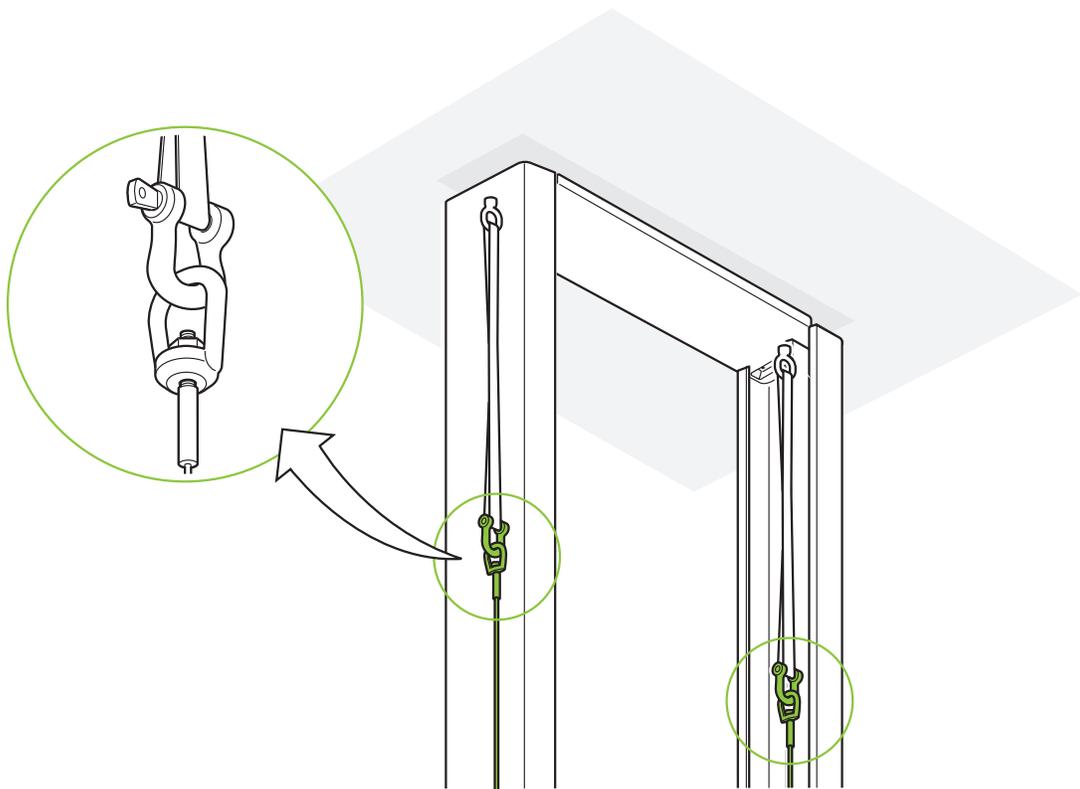
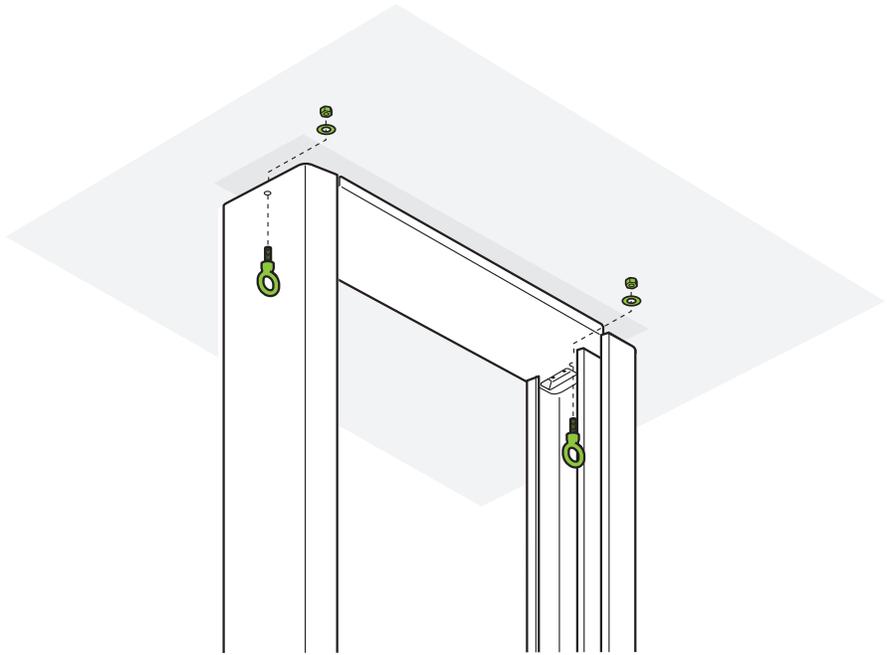
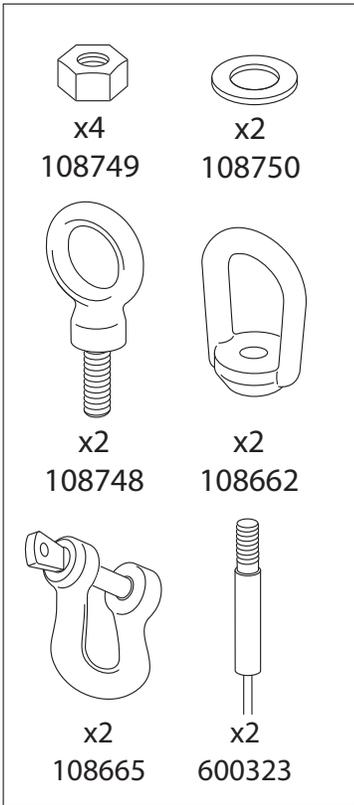
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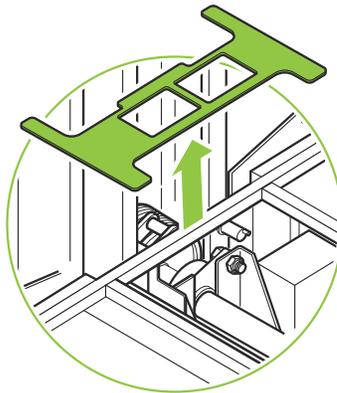
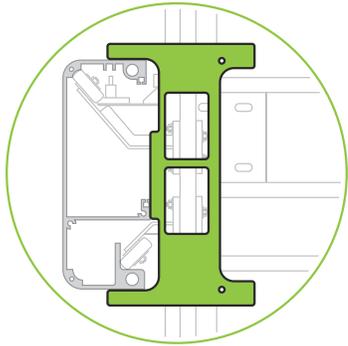
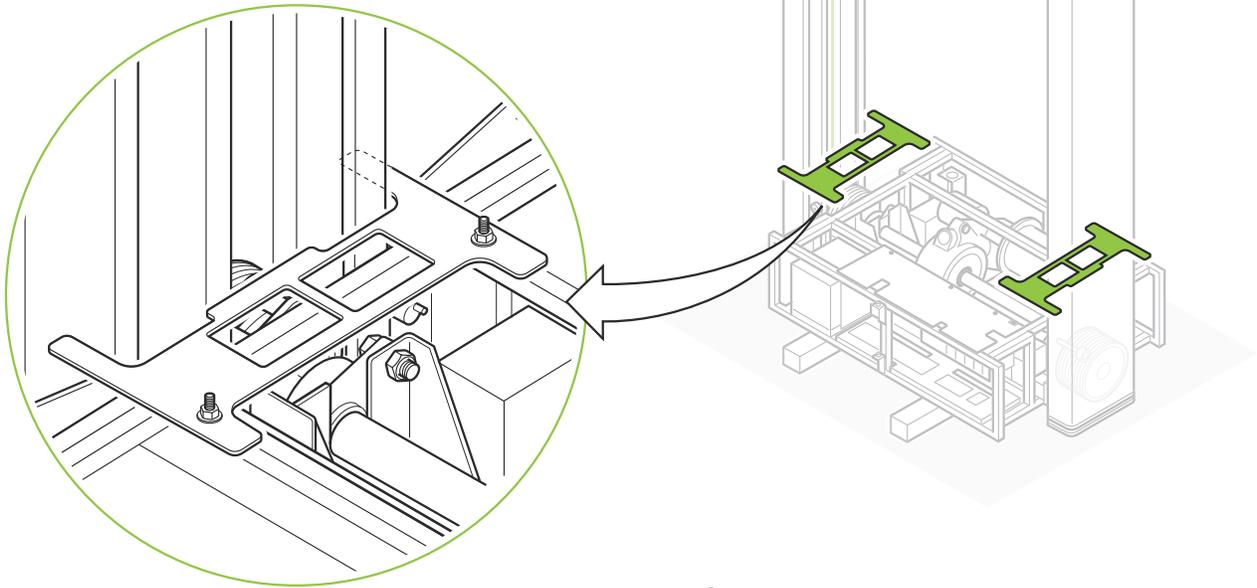
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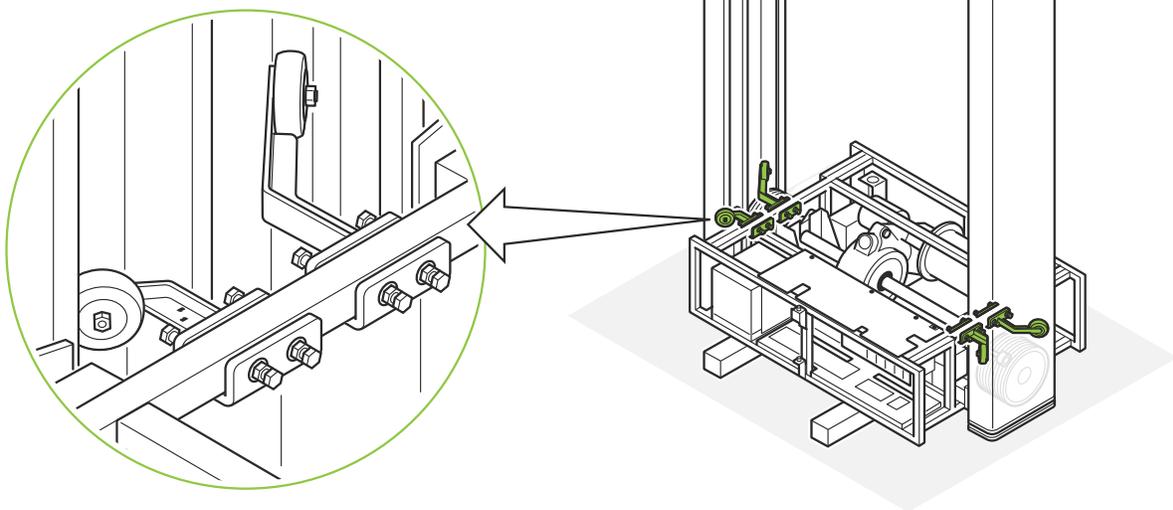


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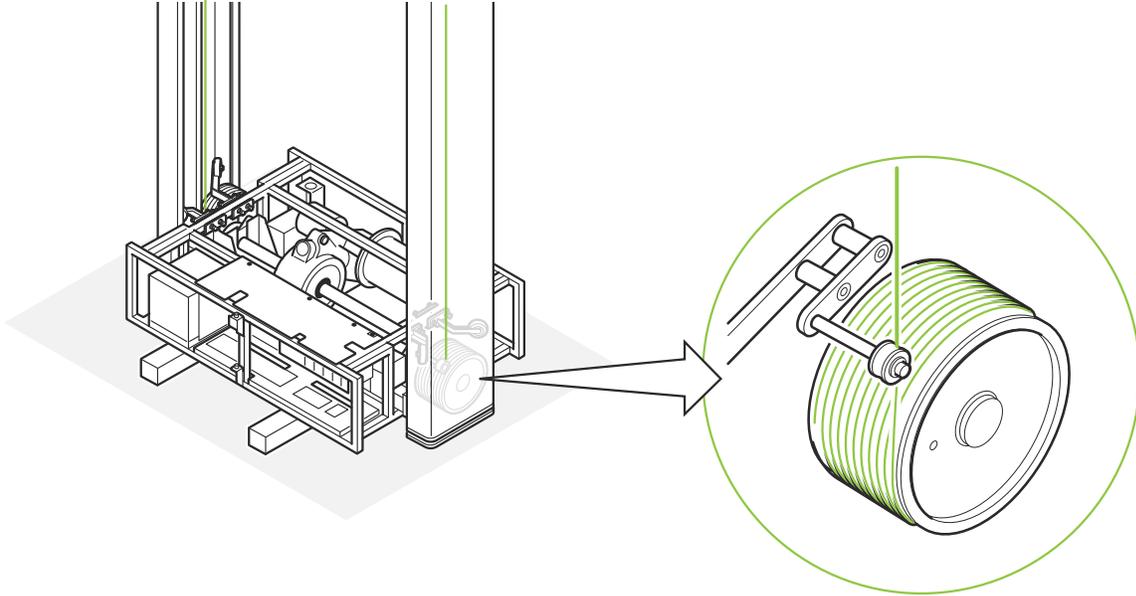
Remove the Jigs
after roller instalation

13.

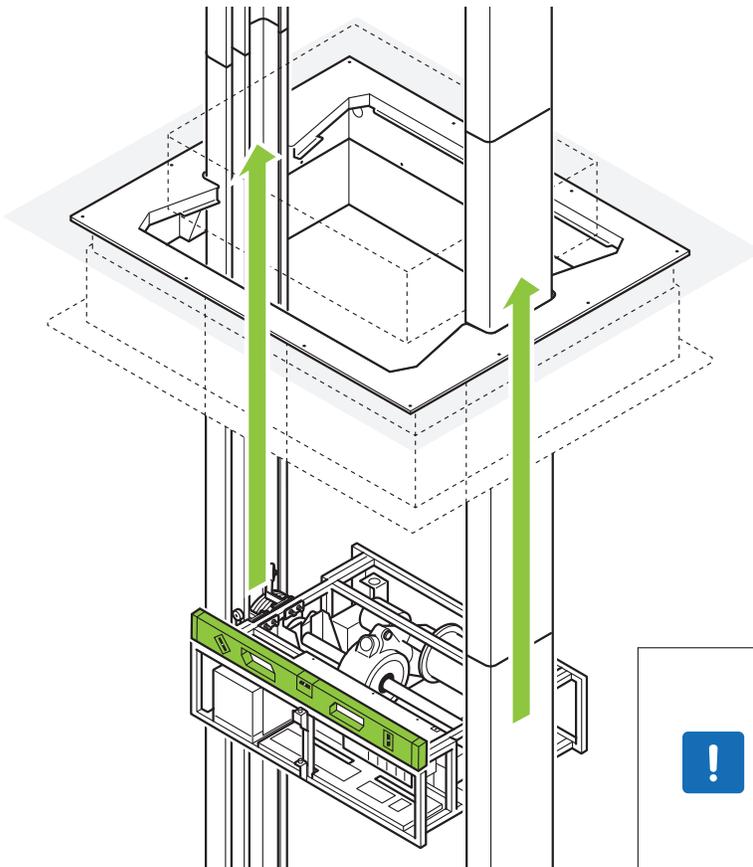


 **NOTICE**
Before running the motor assembly, check for clearances
between all the safety blocks and the drums.

17.



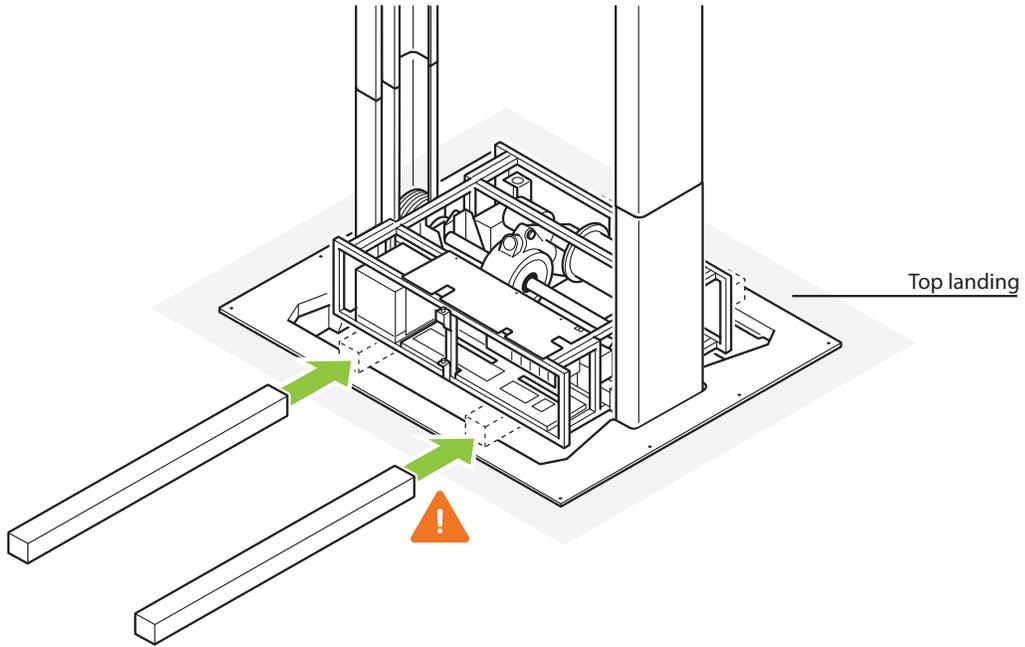
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**NOTICE**

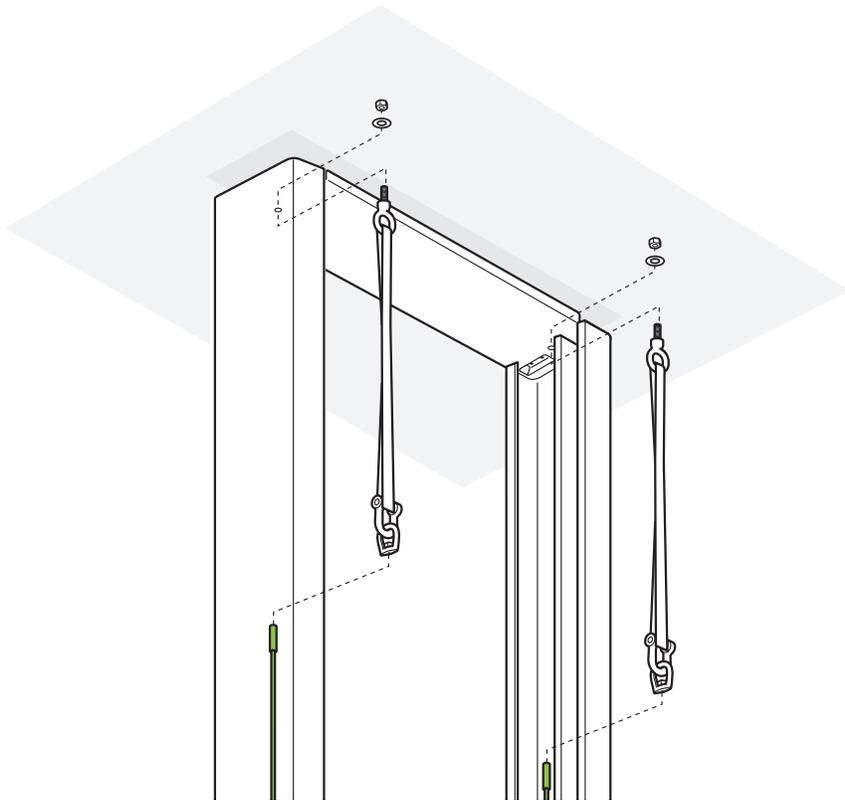
Place a level beam and check the alignment of the drive box when suspended. Rope on the ceiling plate can be adjusted to make the drive box leveled.



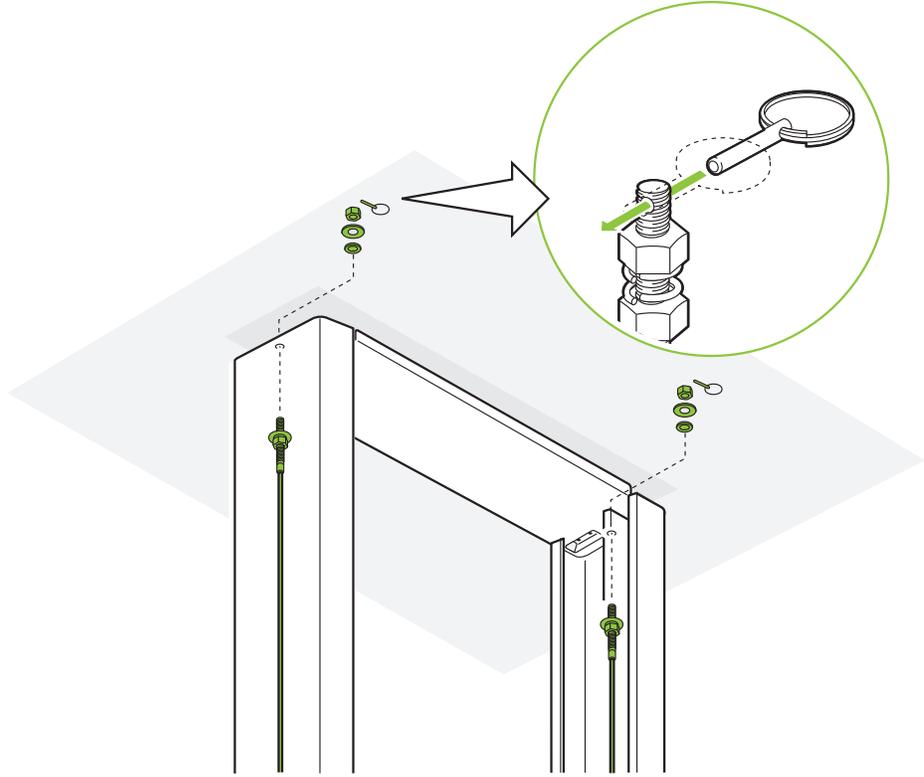
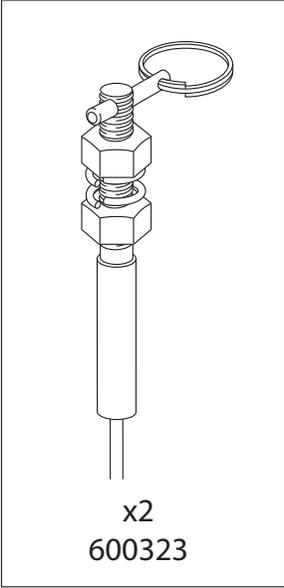
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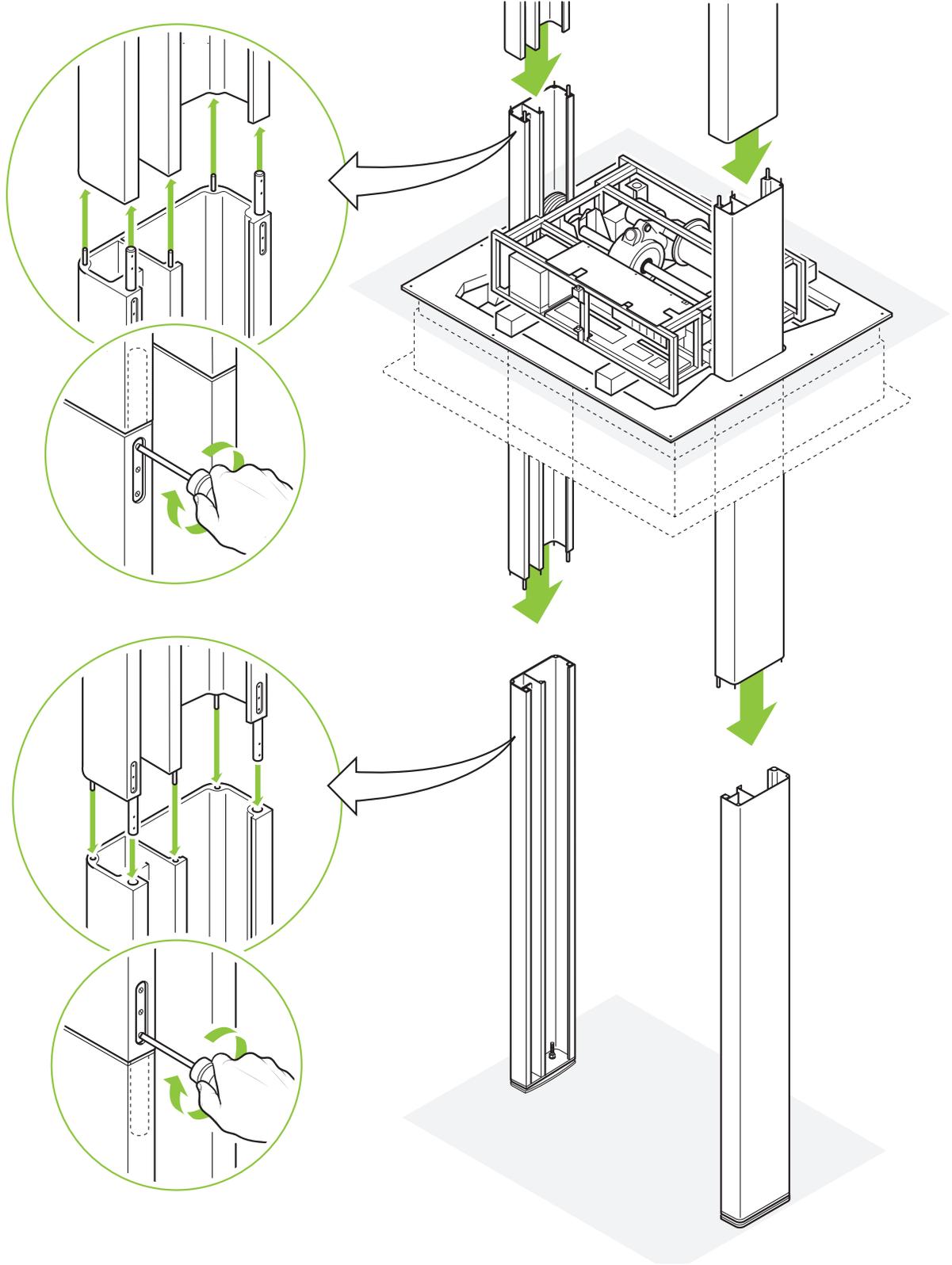
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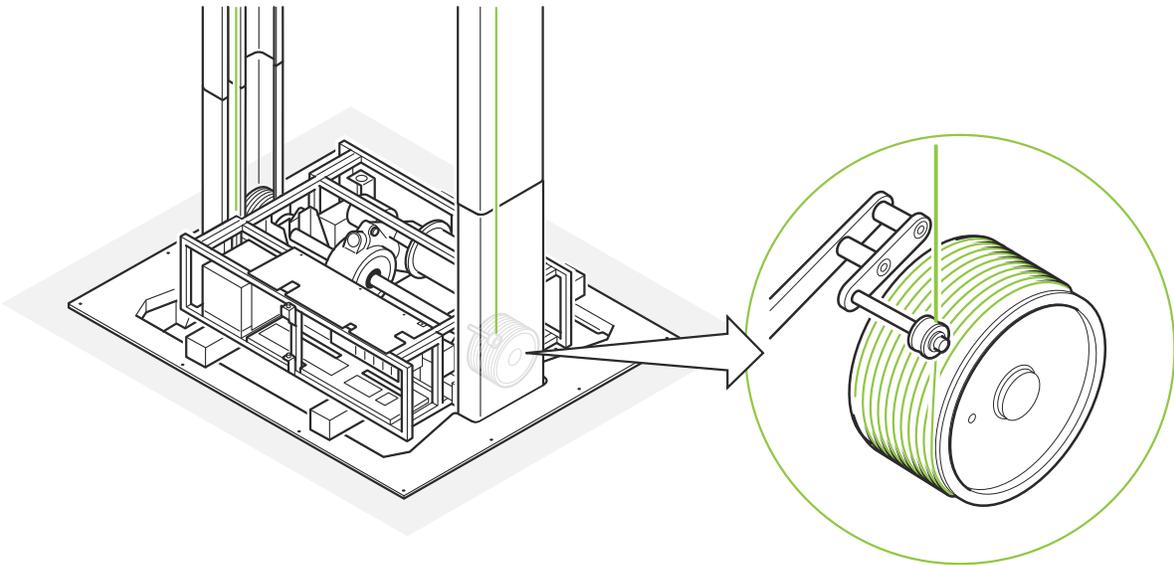
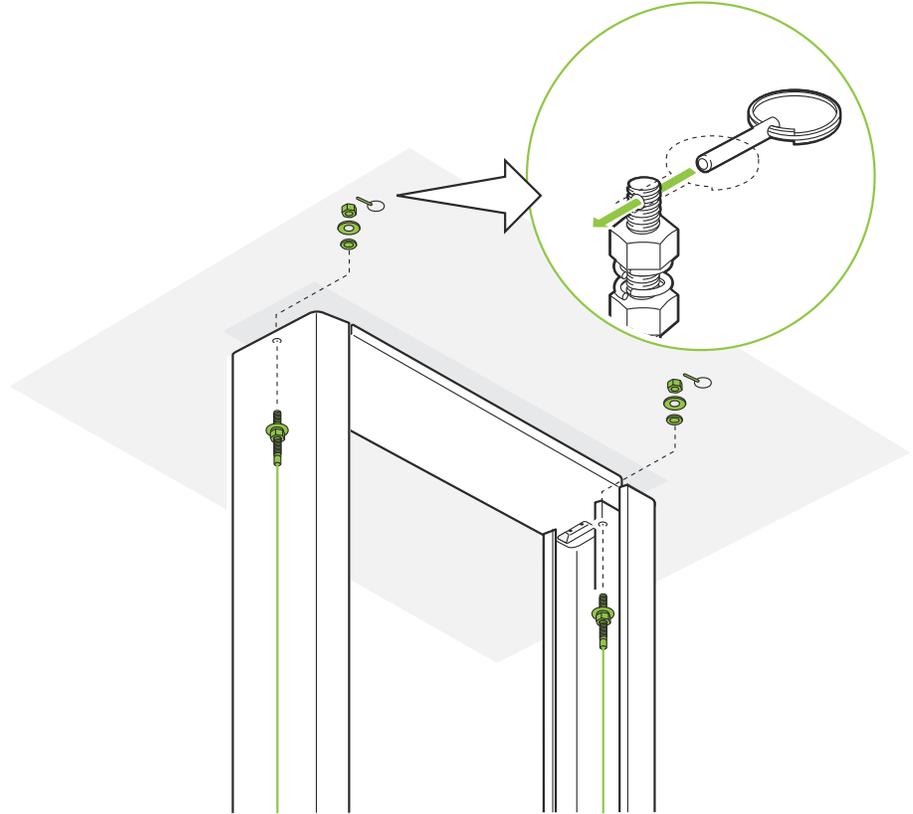
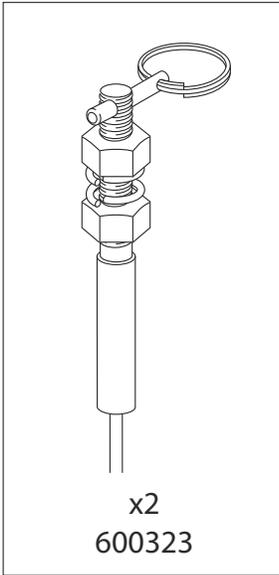


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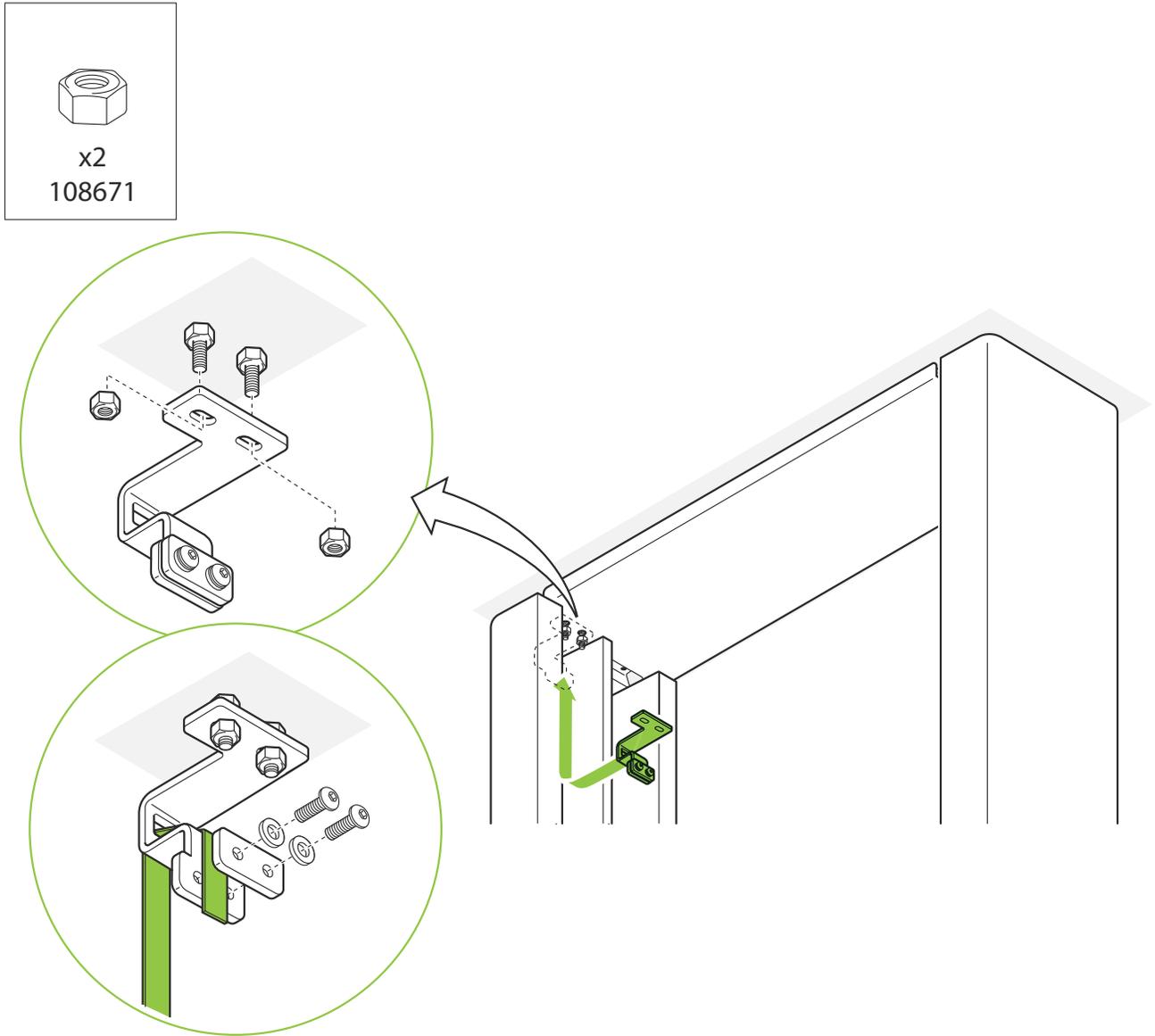
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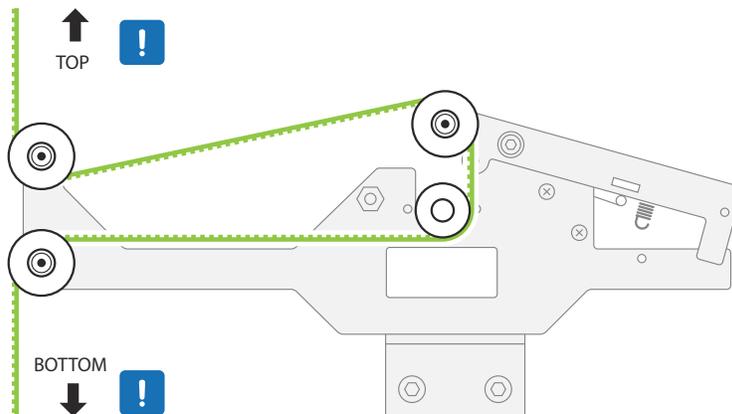


STEP 4: OVERSPEED PROTECTION BELT INSTALLATION

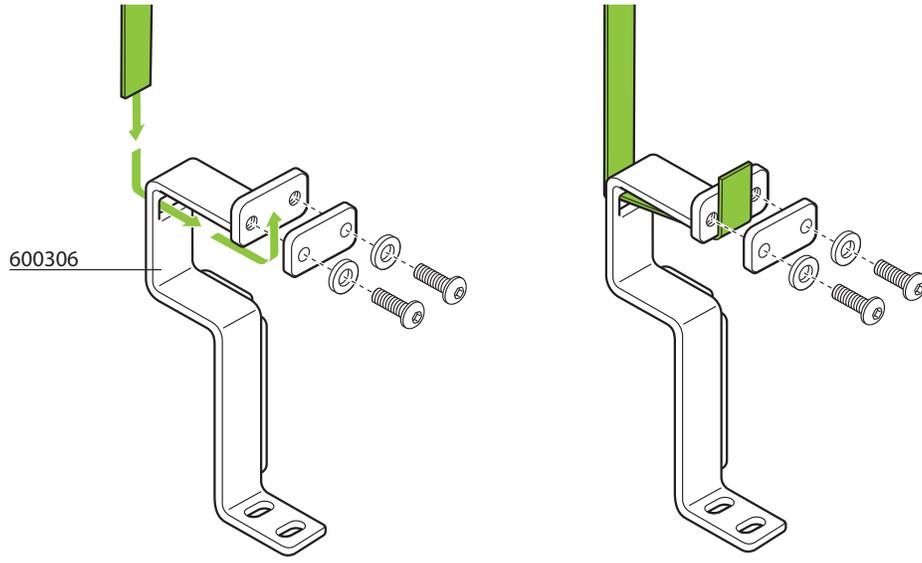
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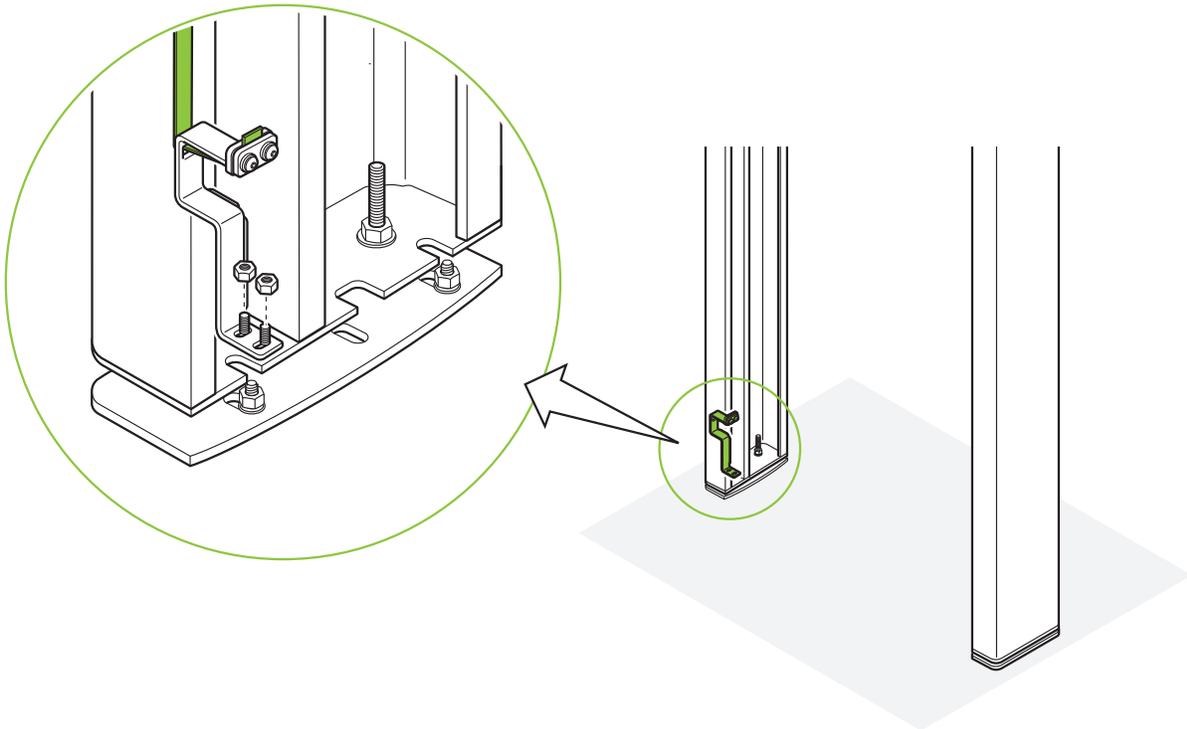
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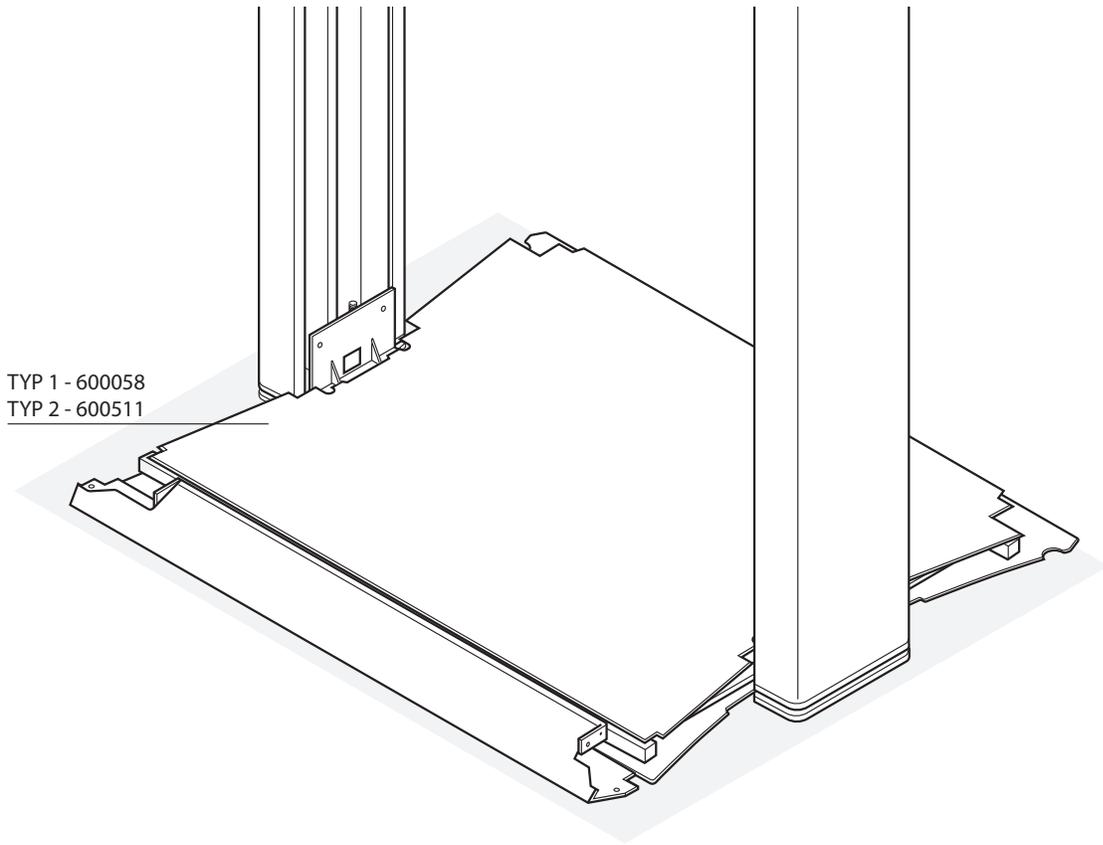
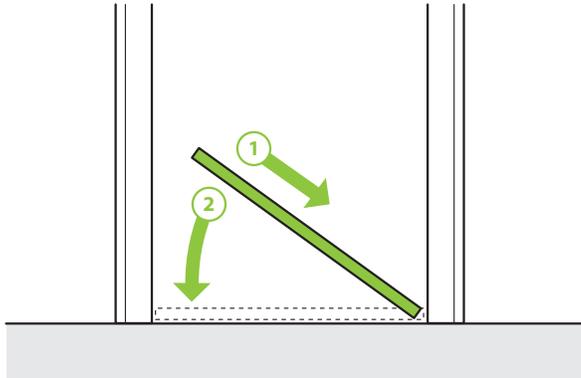


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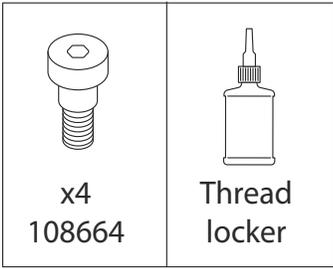


STEP 5: CABIN INSTALLATION

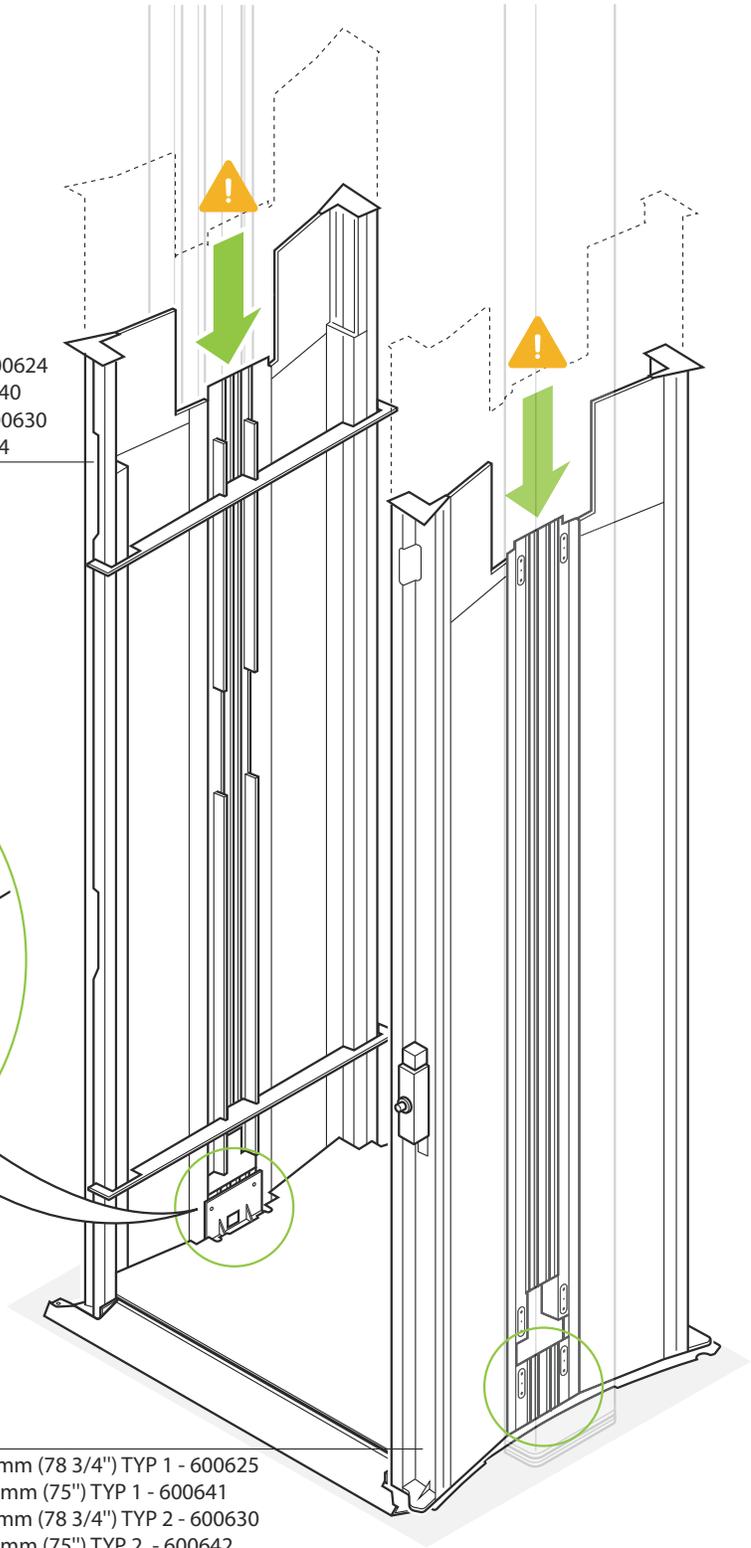
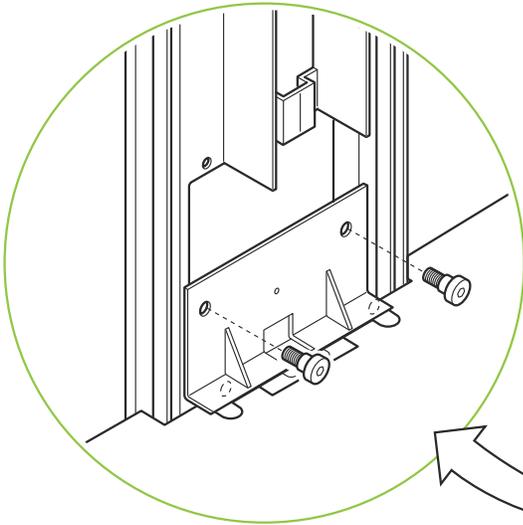
1. Floor Installation



2. Wall Installation

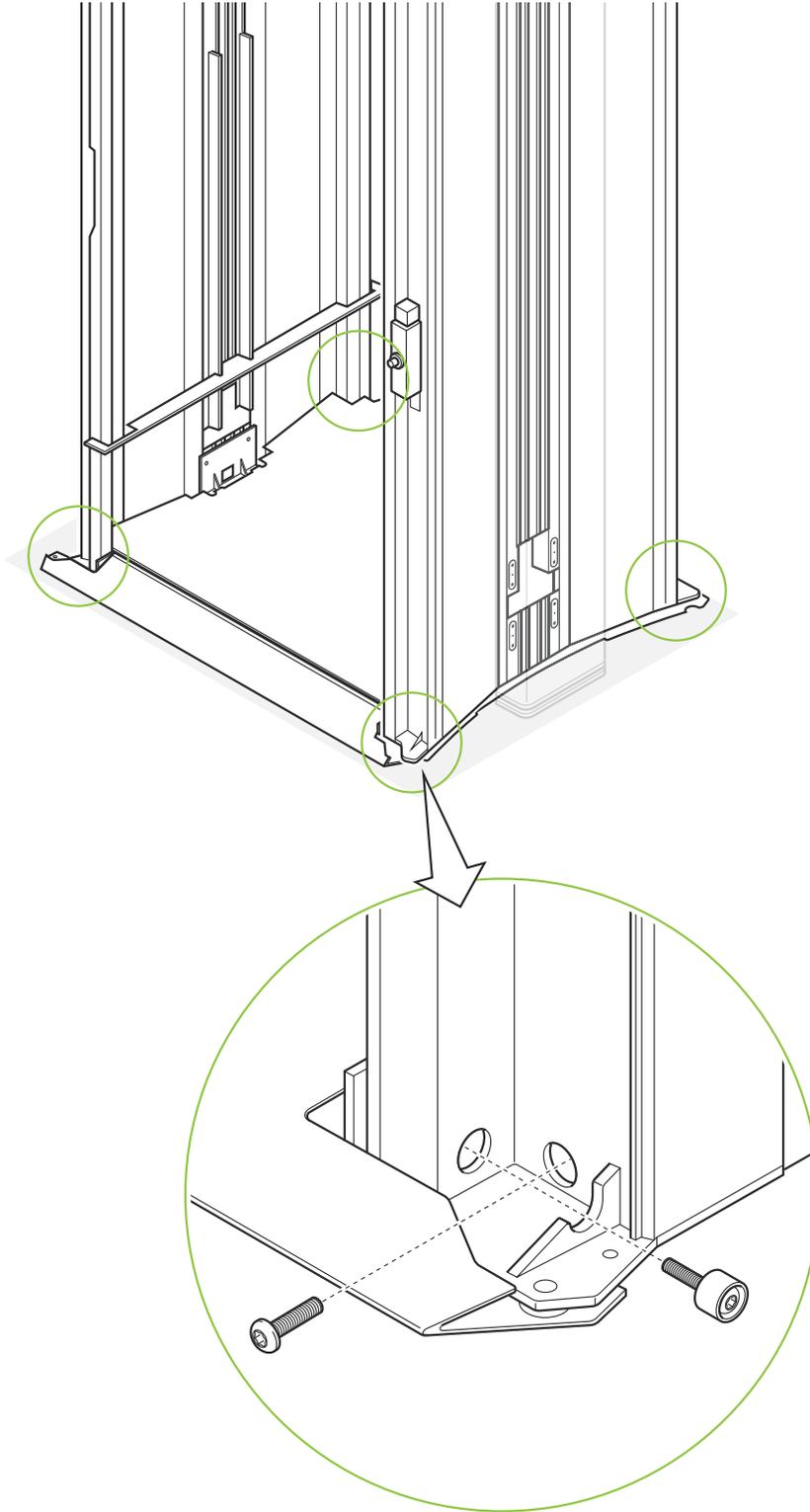
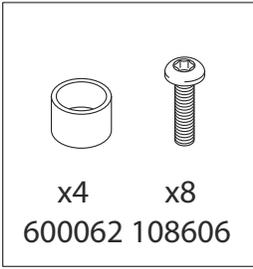


2000mm (78 3/4") TYP 1 - 600624
 1905 mm (75") TYP 1 - 600640
 2000mm (78 3/4") TYP 2 - 600630
 1905 mm (75") TYP 2 - 60064

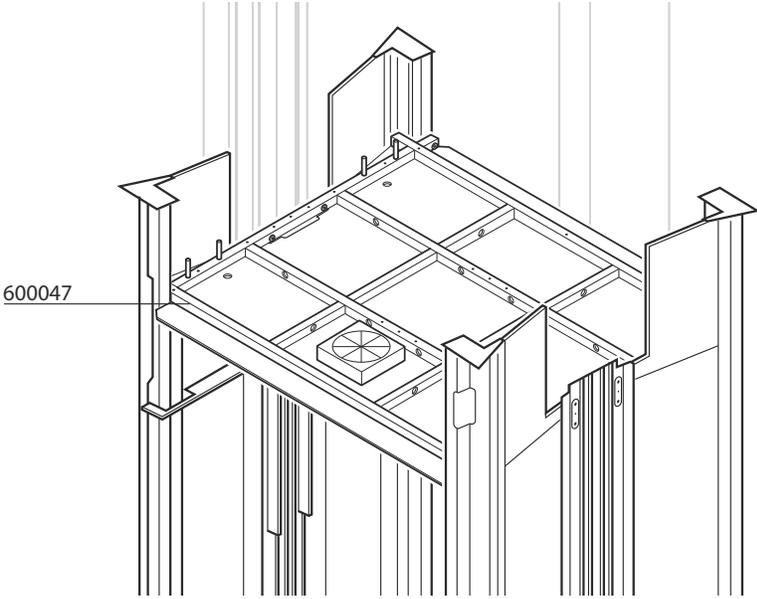
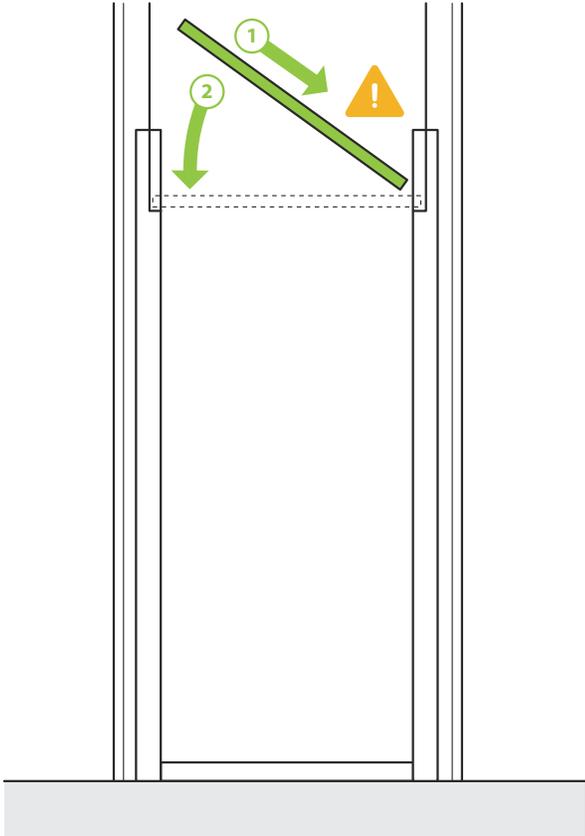


2000mm (78 3/4") TYP 1 - 600625
 1905 mm (75") TYP 1 - 600641
 2000mm (78 3/4") TYP 2 - 600630
 1905 mm (75") TYP 2 - 600642

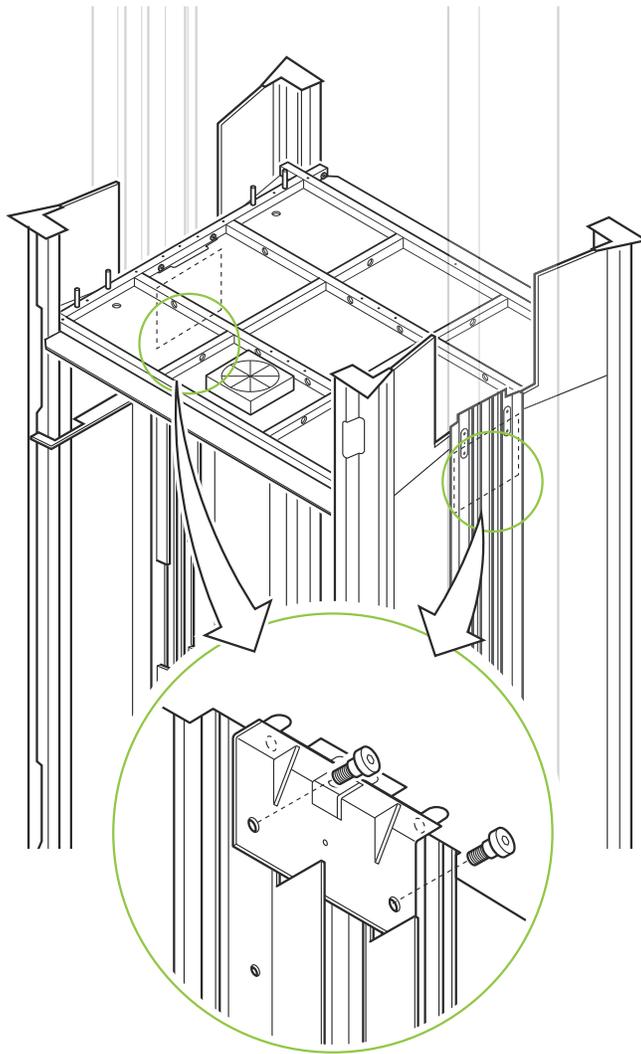
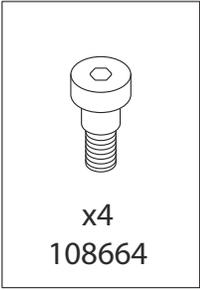
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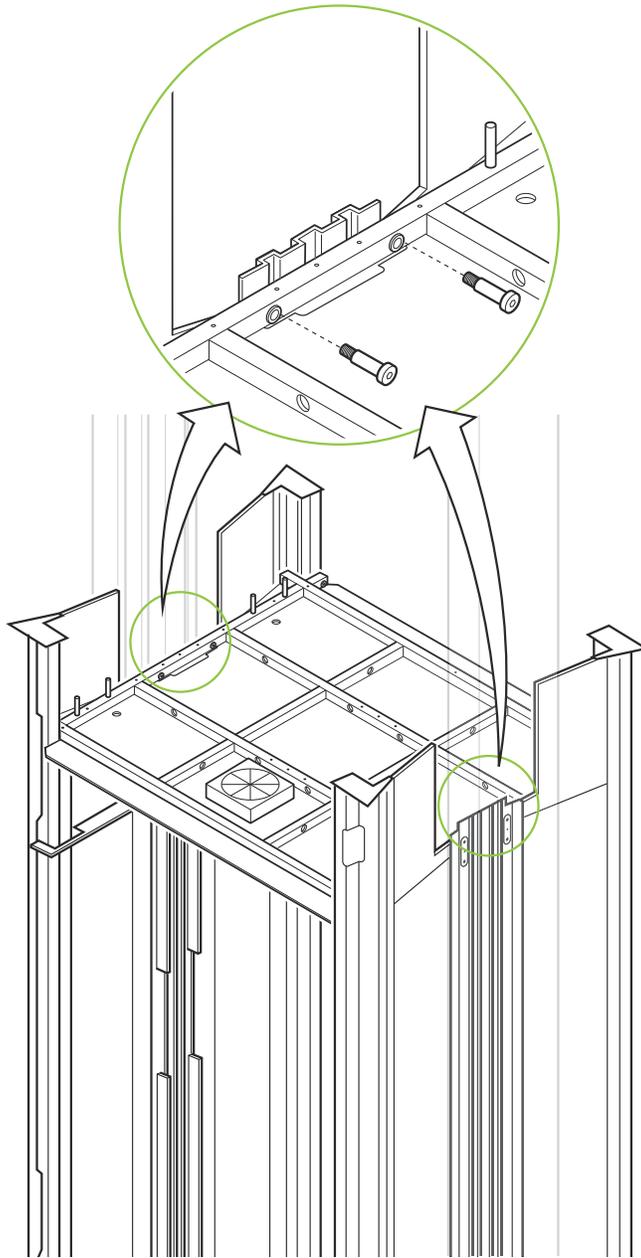
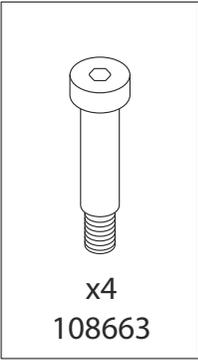
4.Ceiling installation



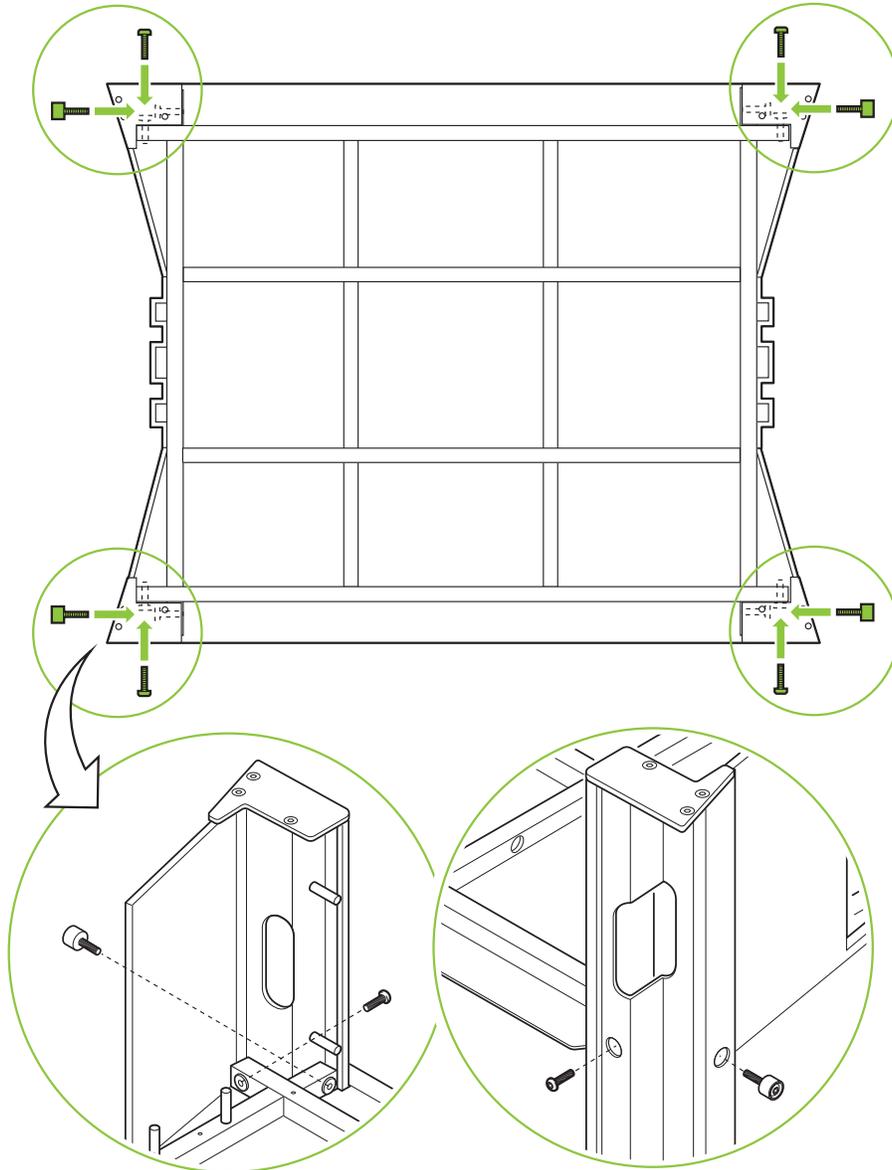
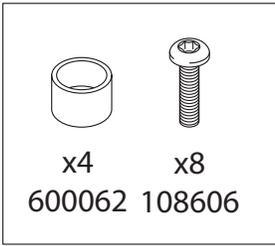
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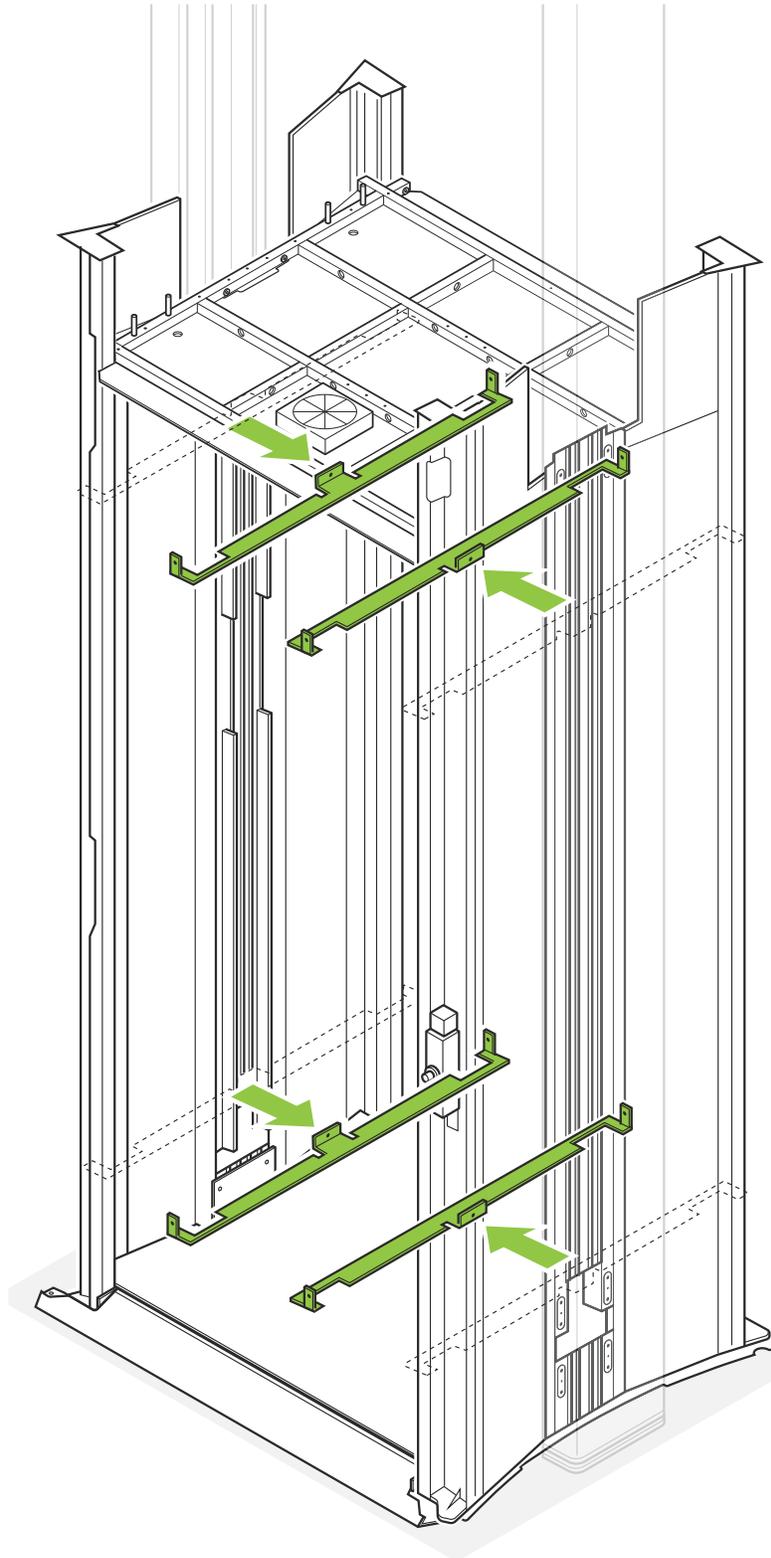
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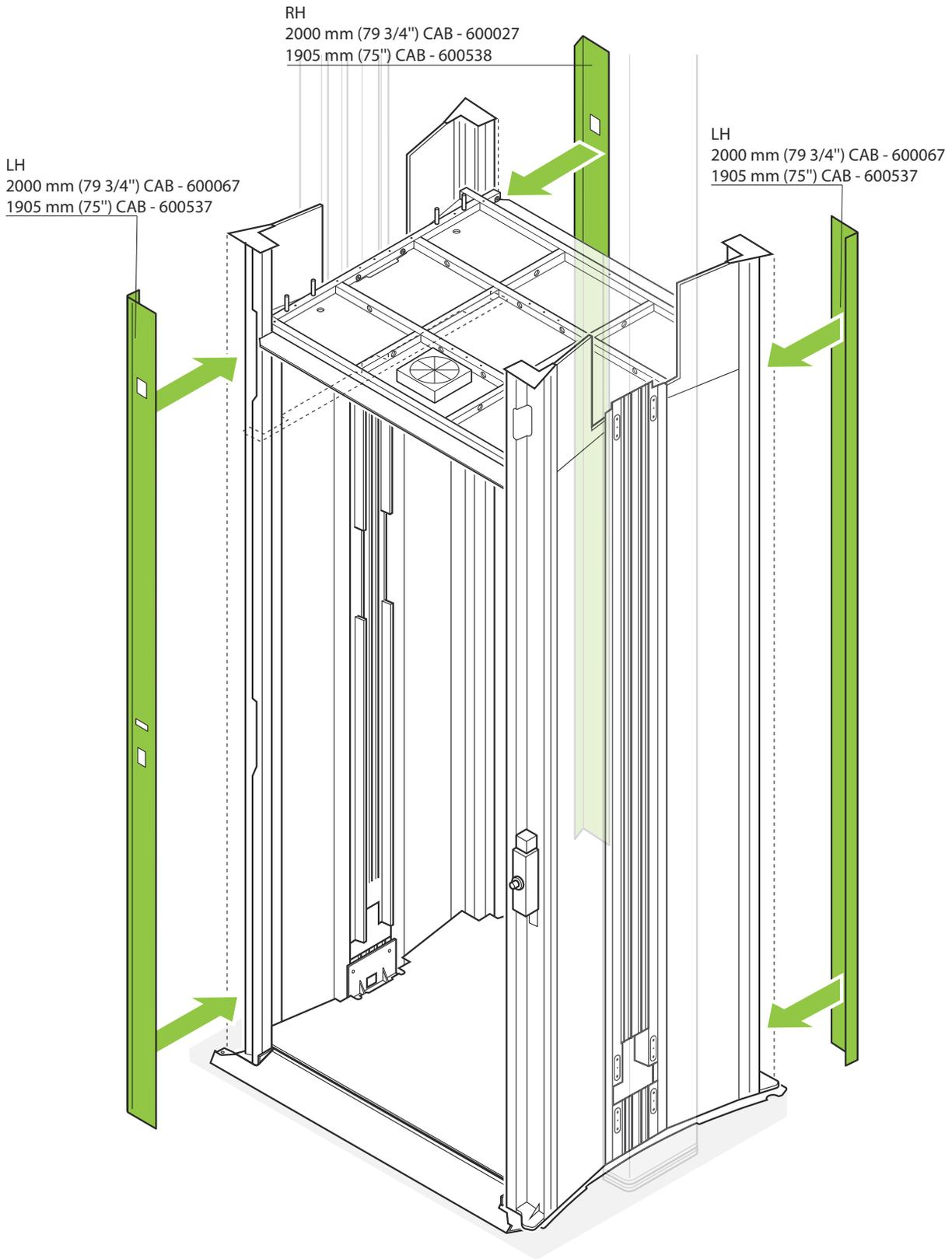
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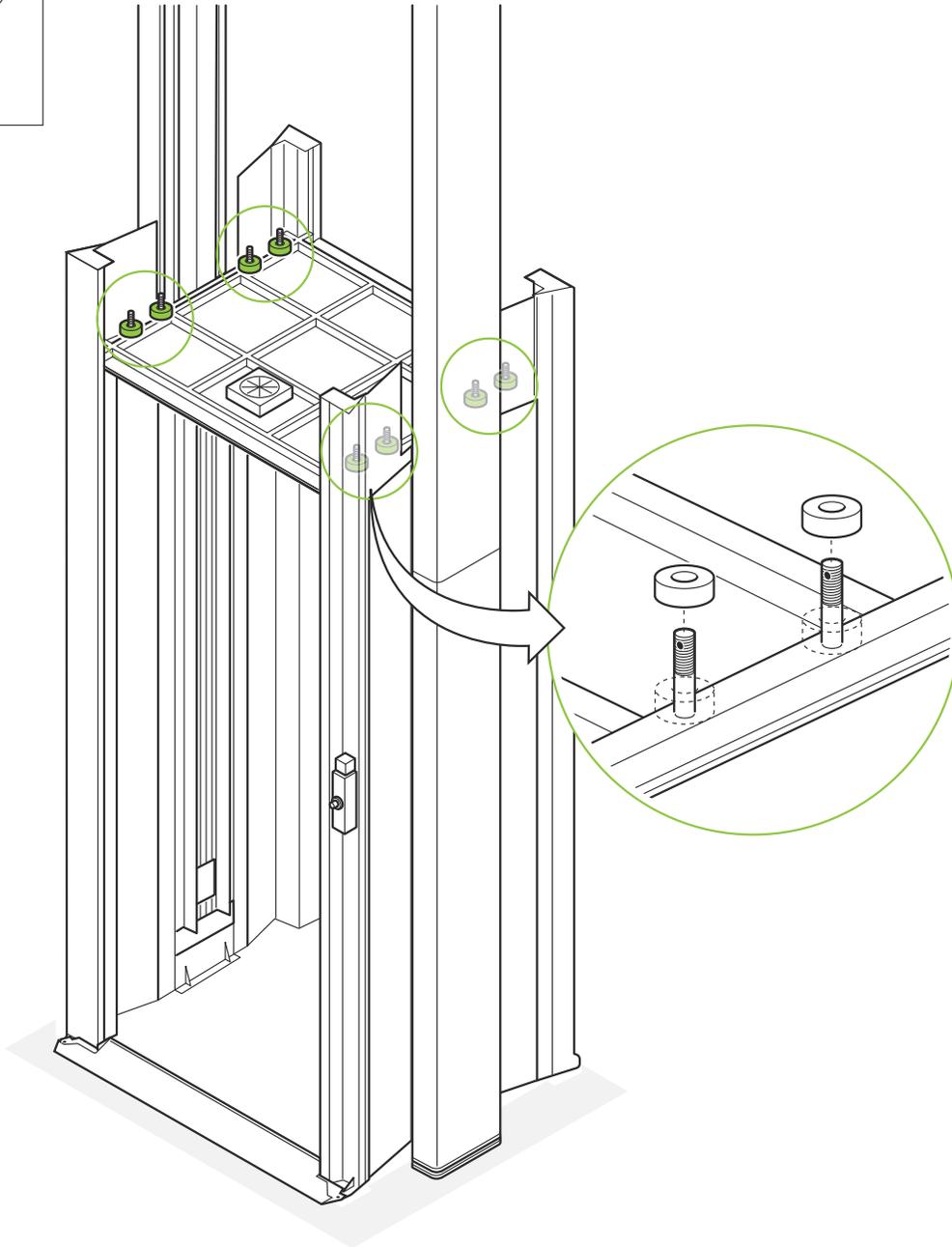
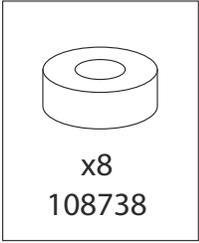


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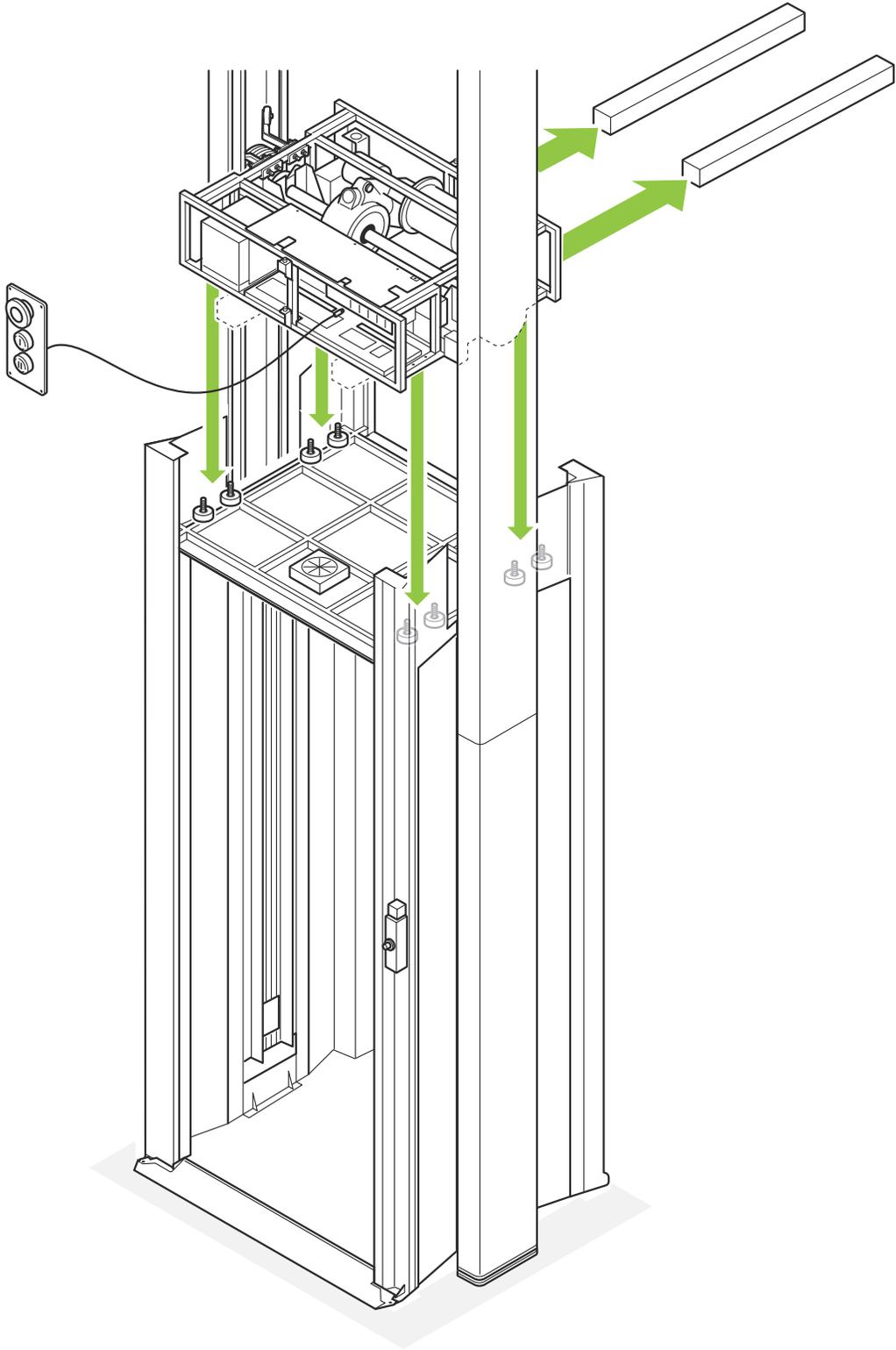


STEP 6: DRIVE BOX AND CABIN INSTALLATION

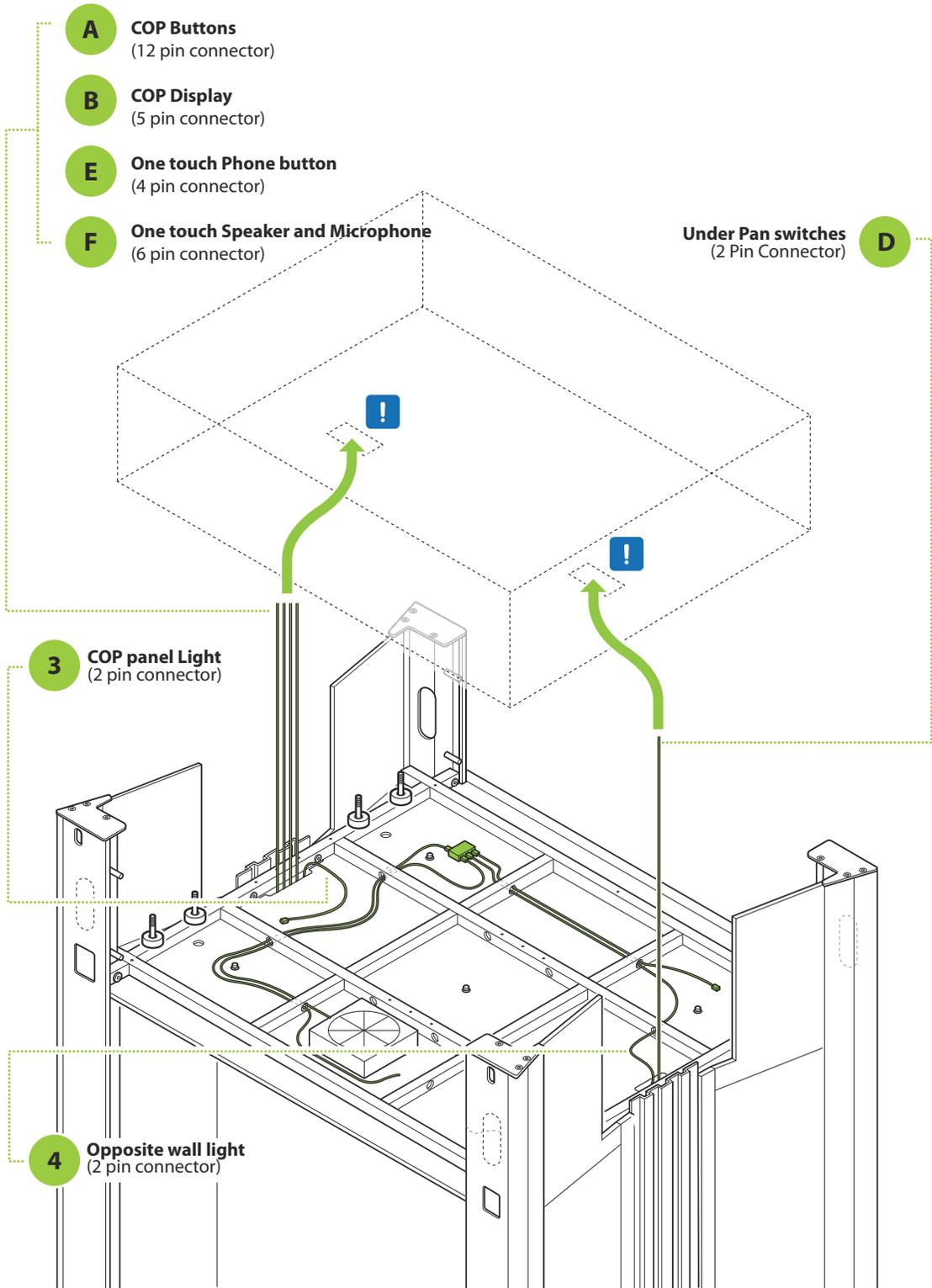
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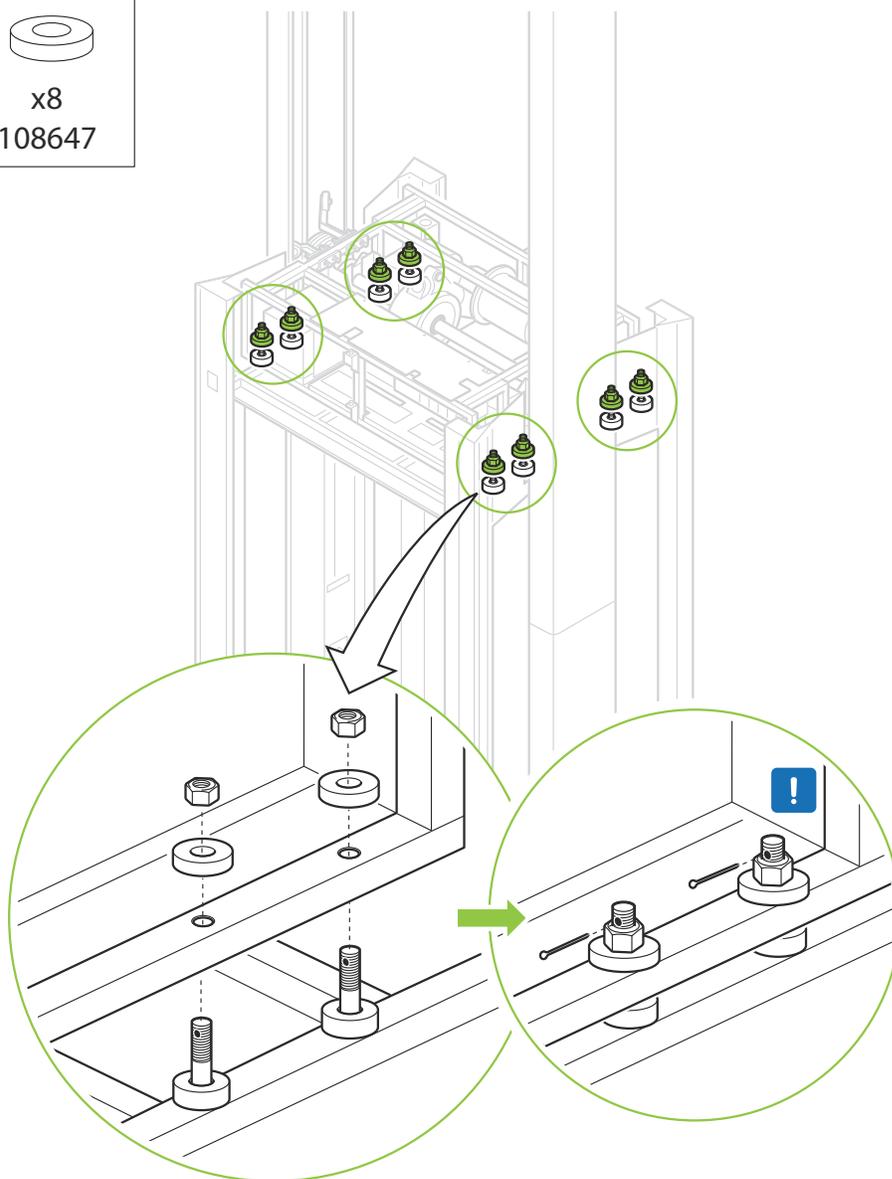
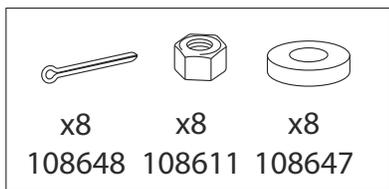
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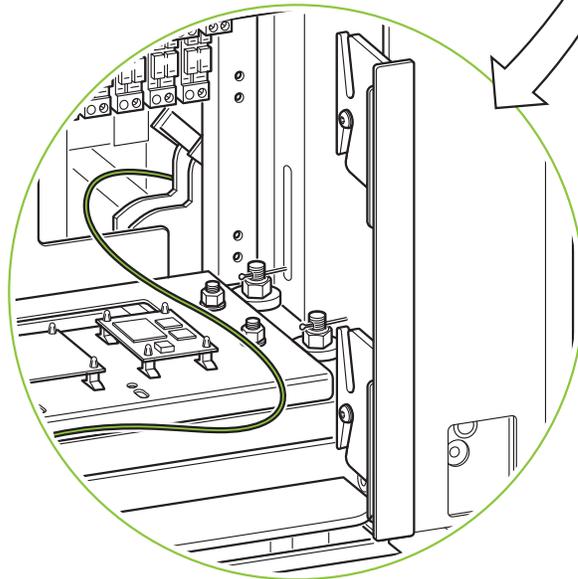
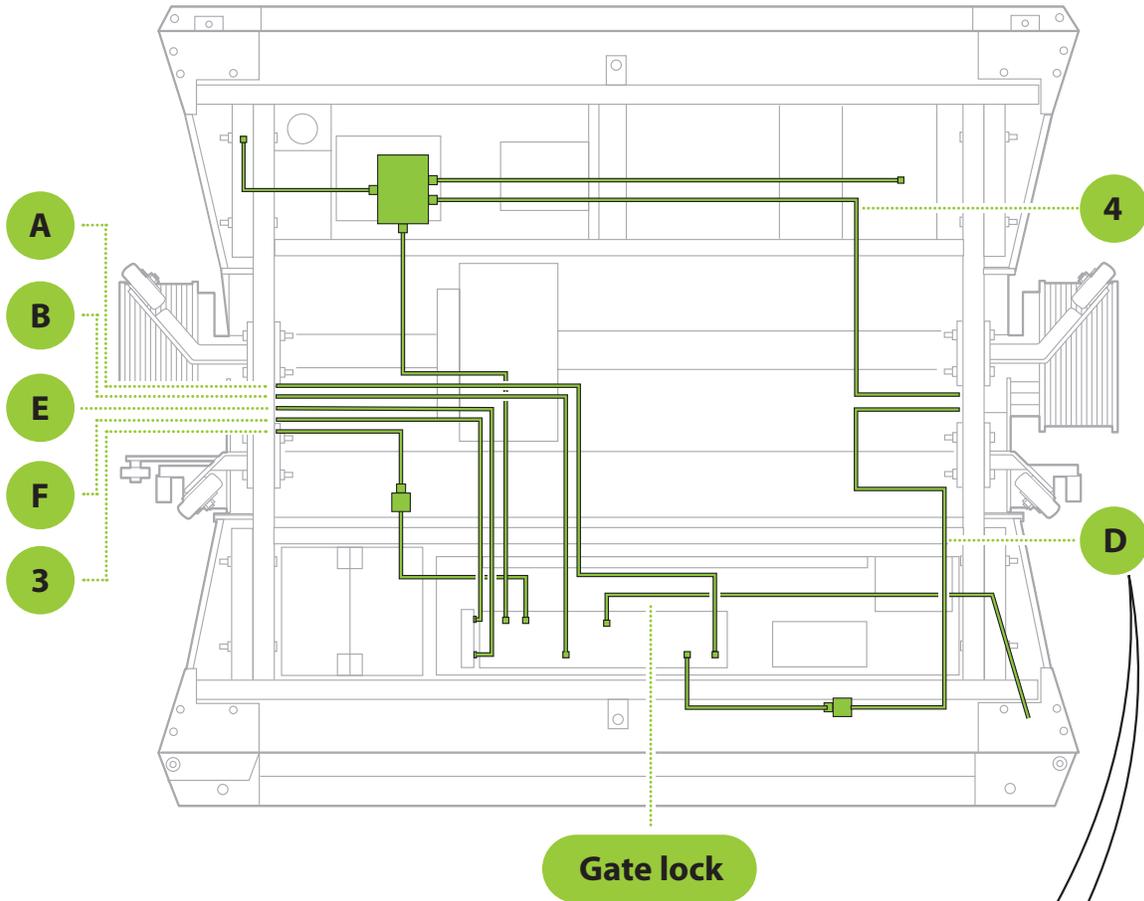
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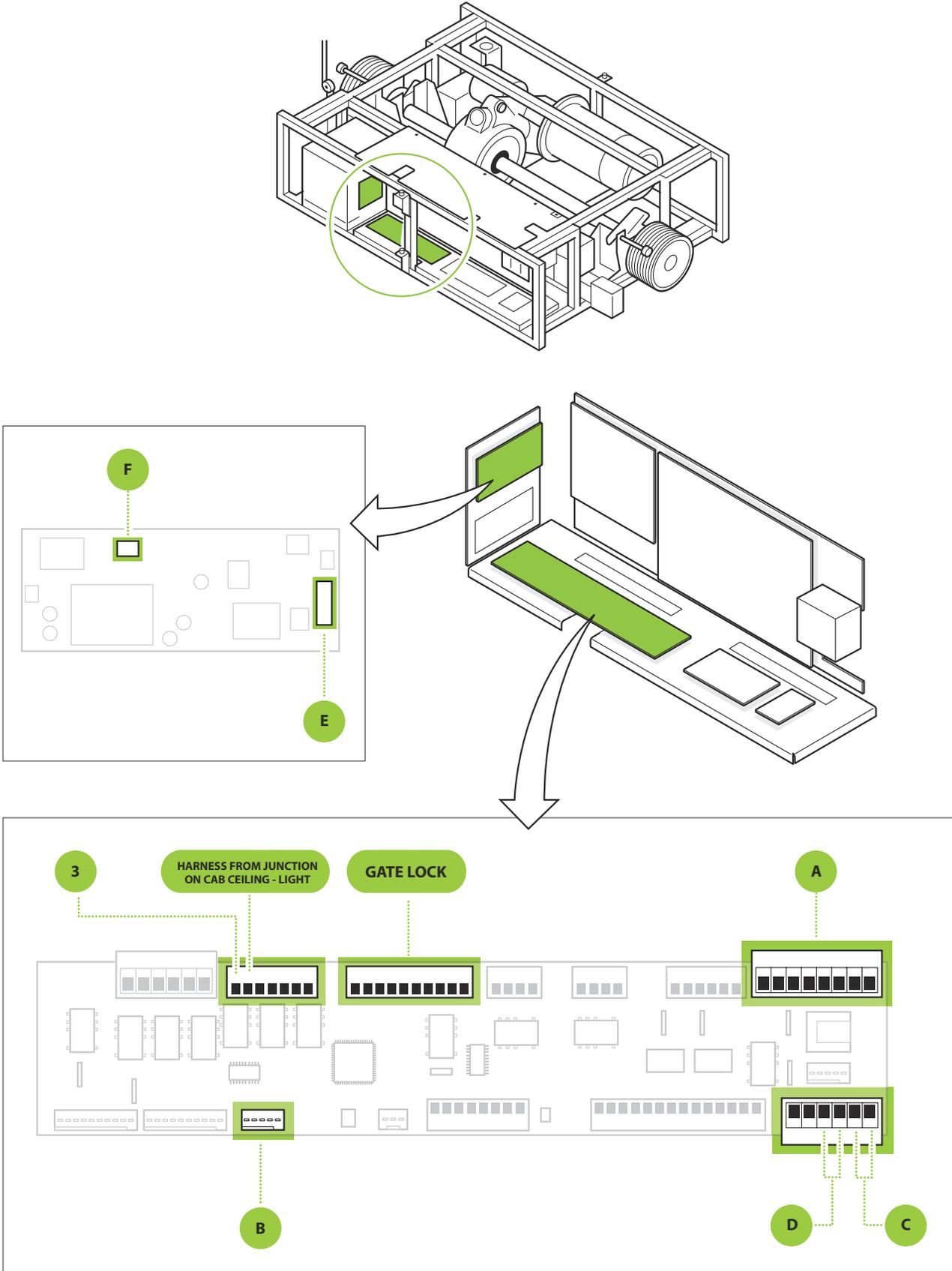
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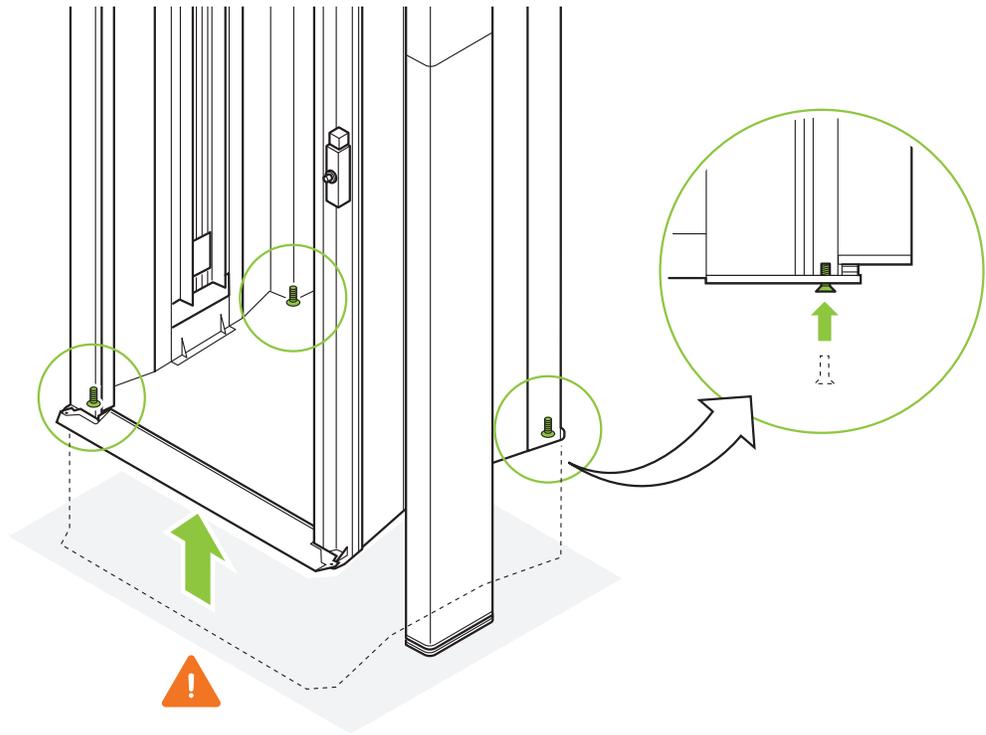
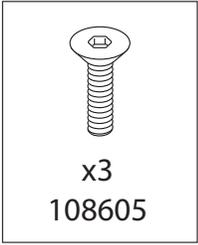
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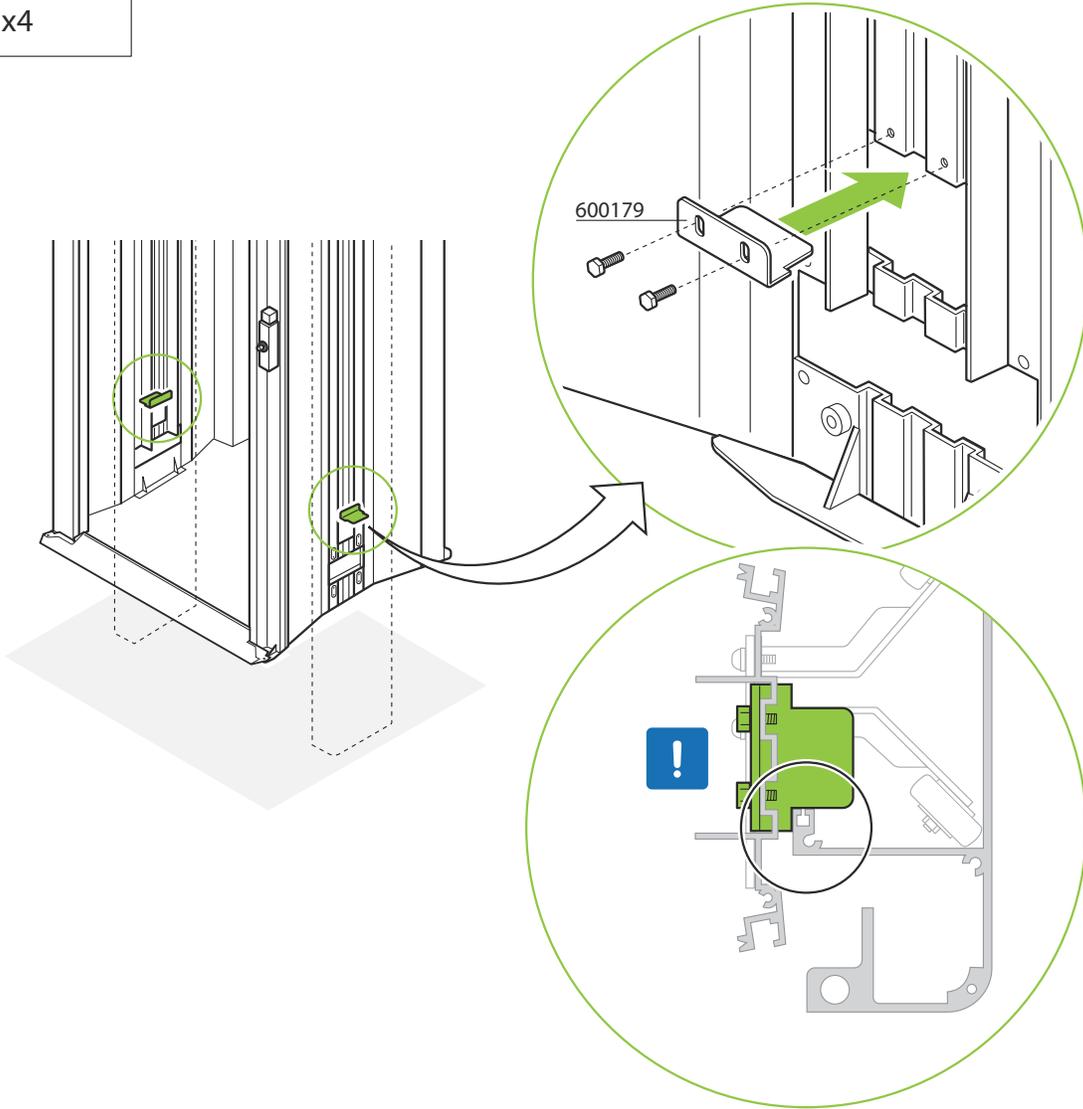
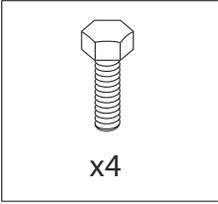


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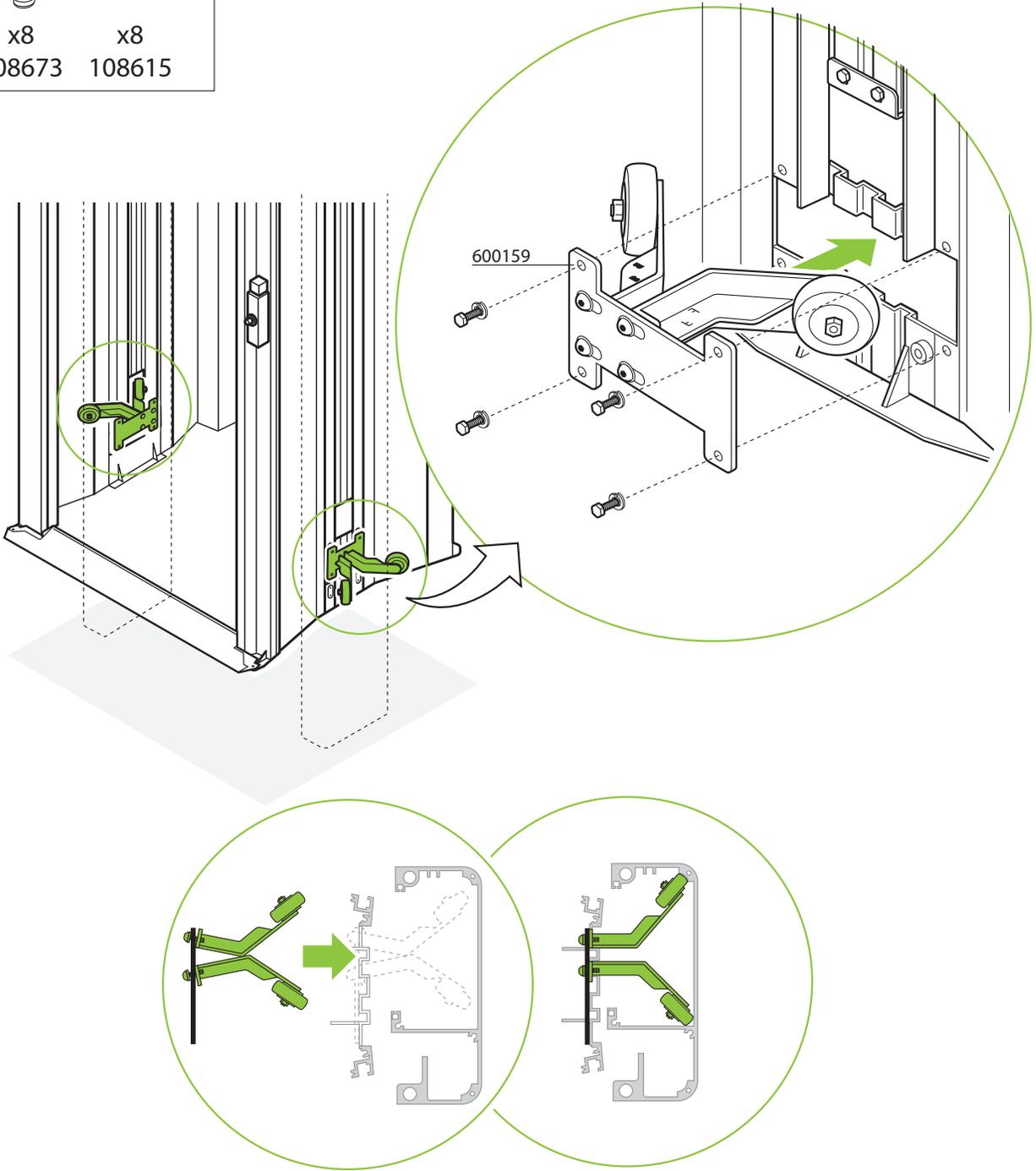
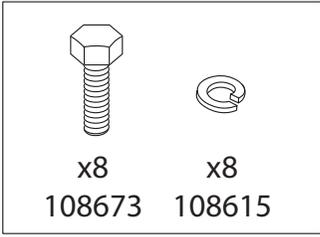


STEP 7: BOTTOM ROLLER INSTALLATION

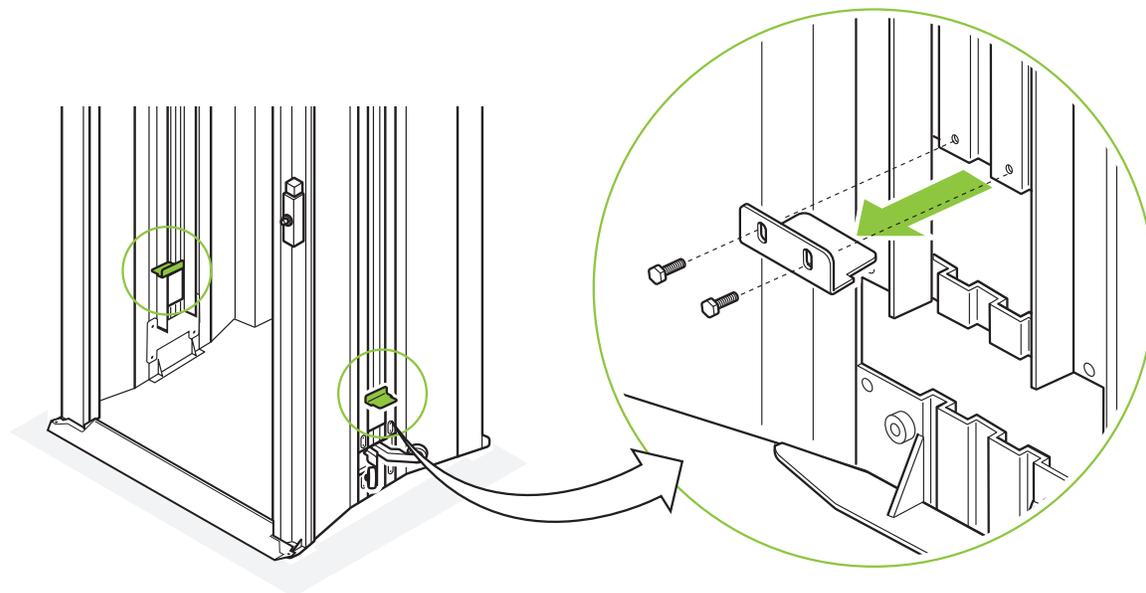
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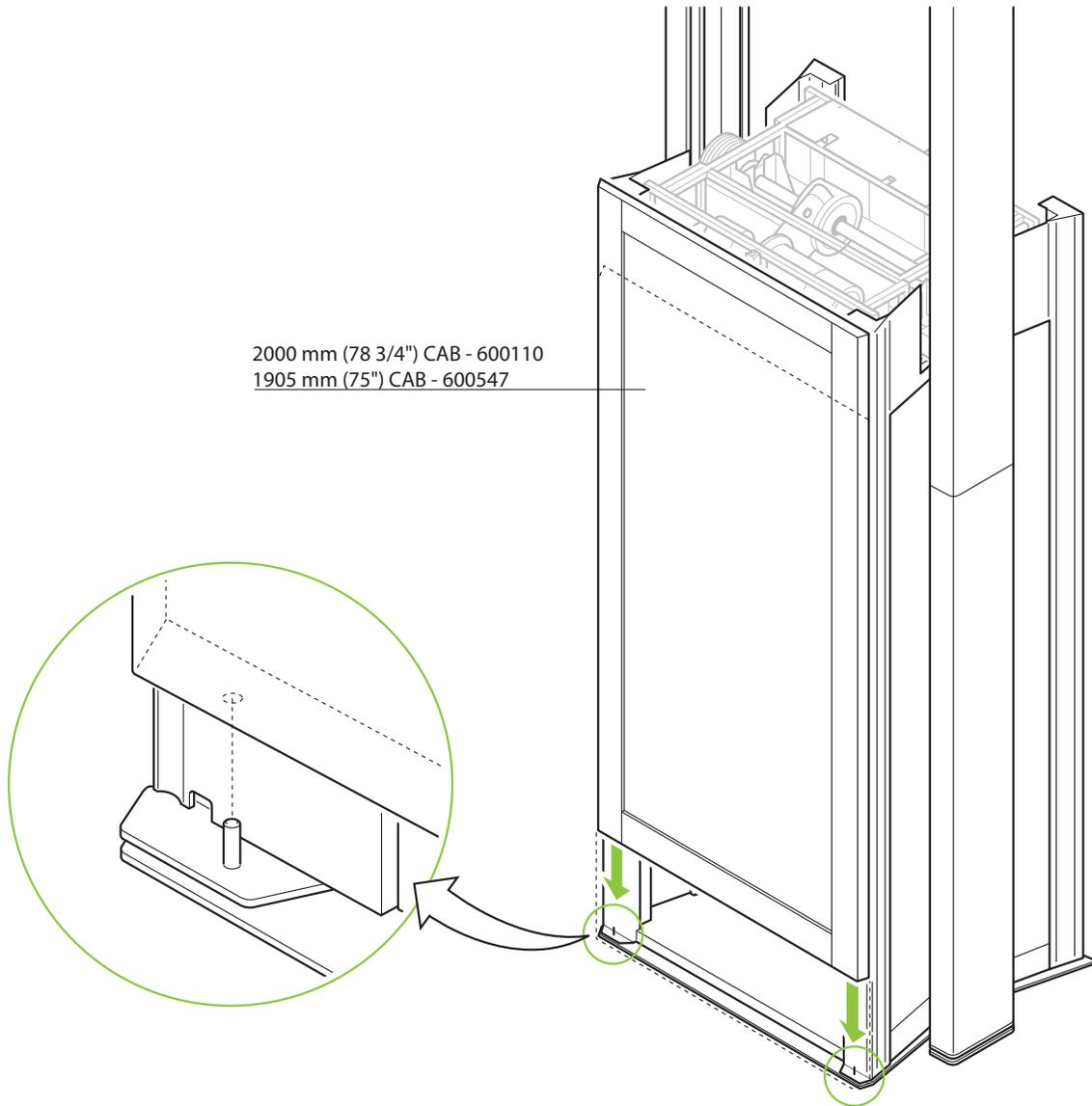


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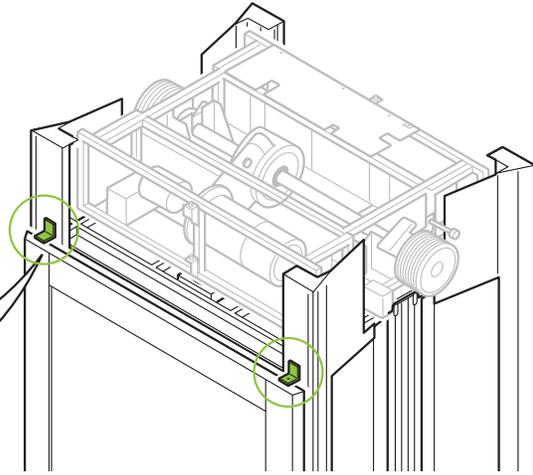
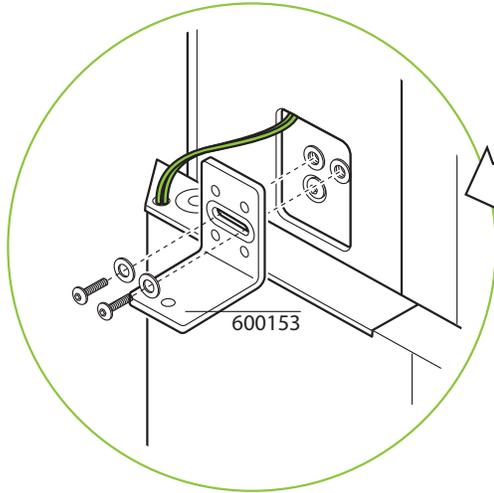
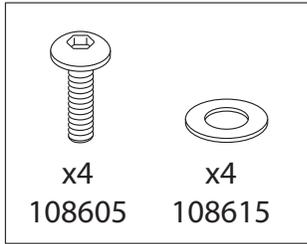


STEP 8: BACK WALL INSTALLATION

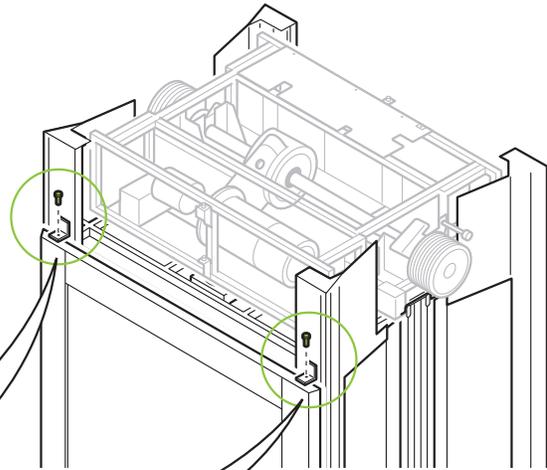
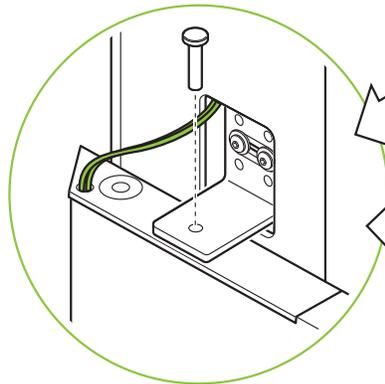
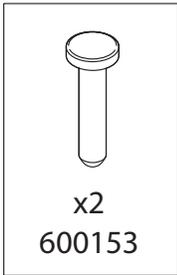
1. Type-1 Back Wall Installation



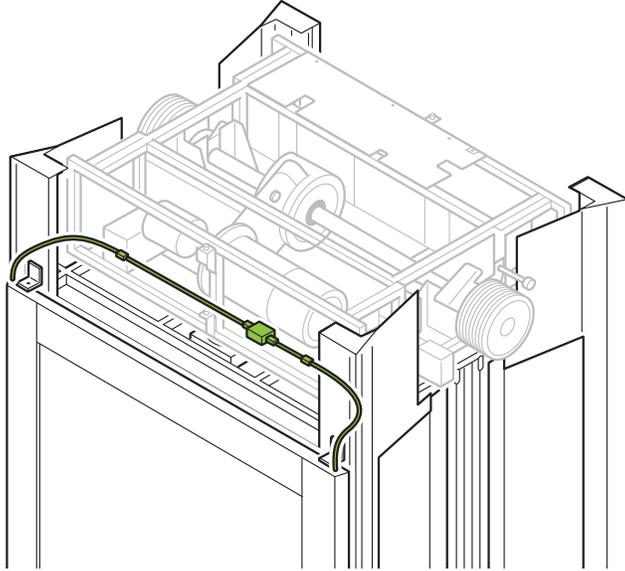
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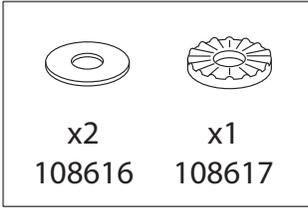


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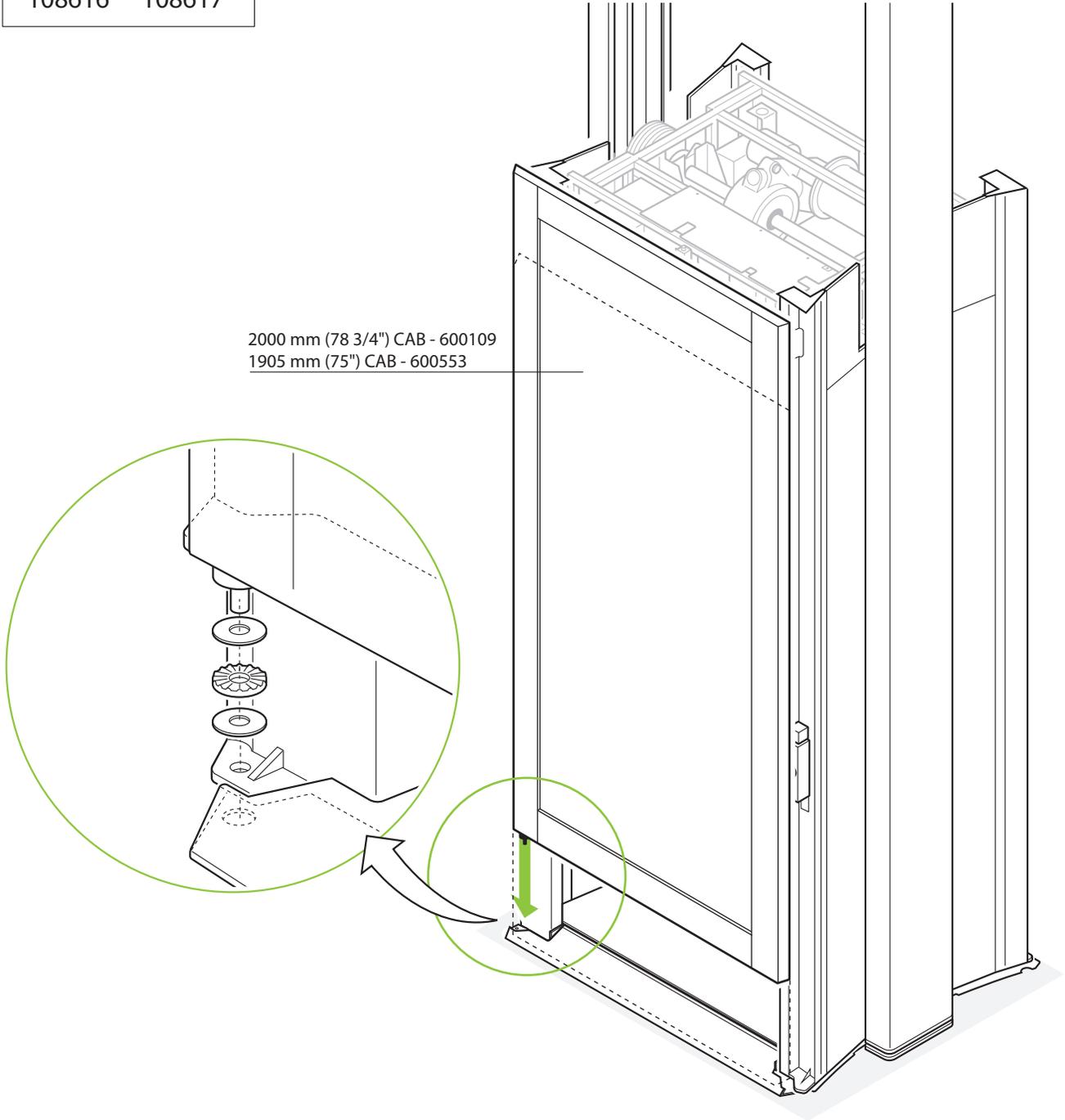


STEP 9: DOOR INSTALLATION (TYPE 1 & 2)

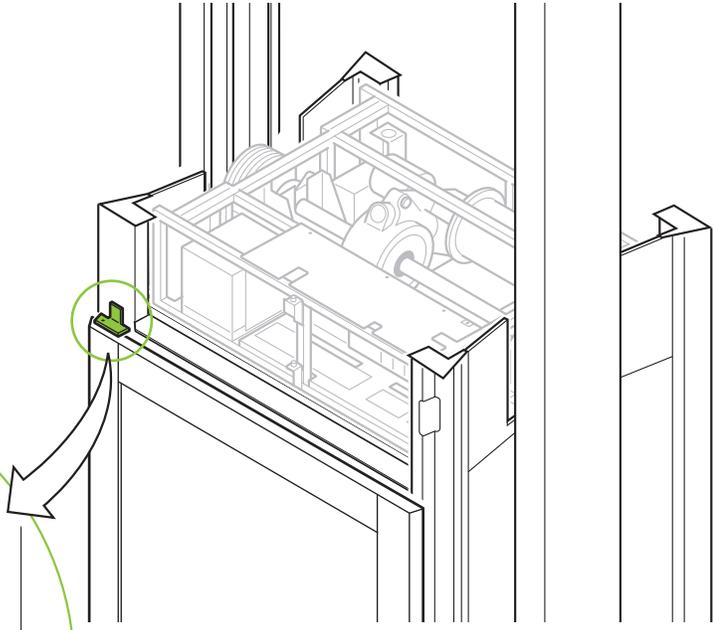
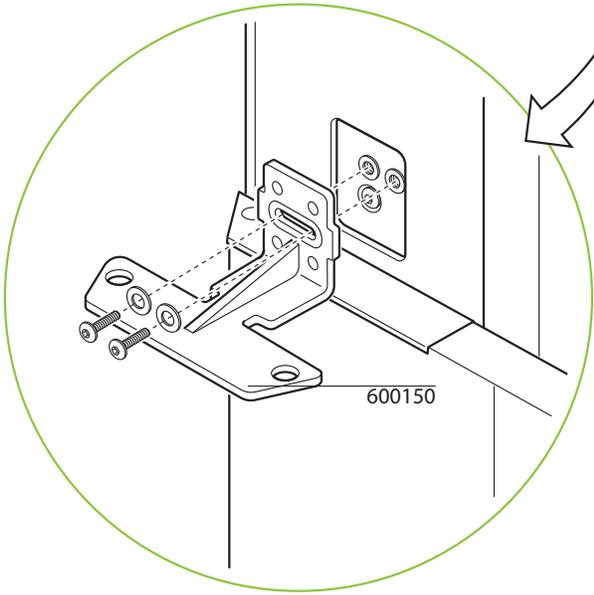
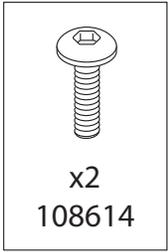
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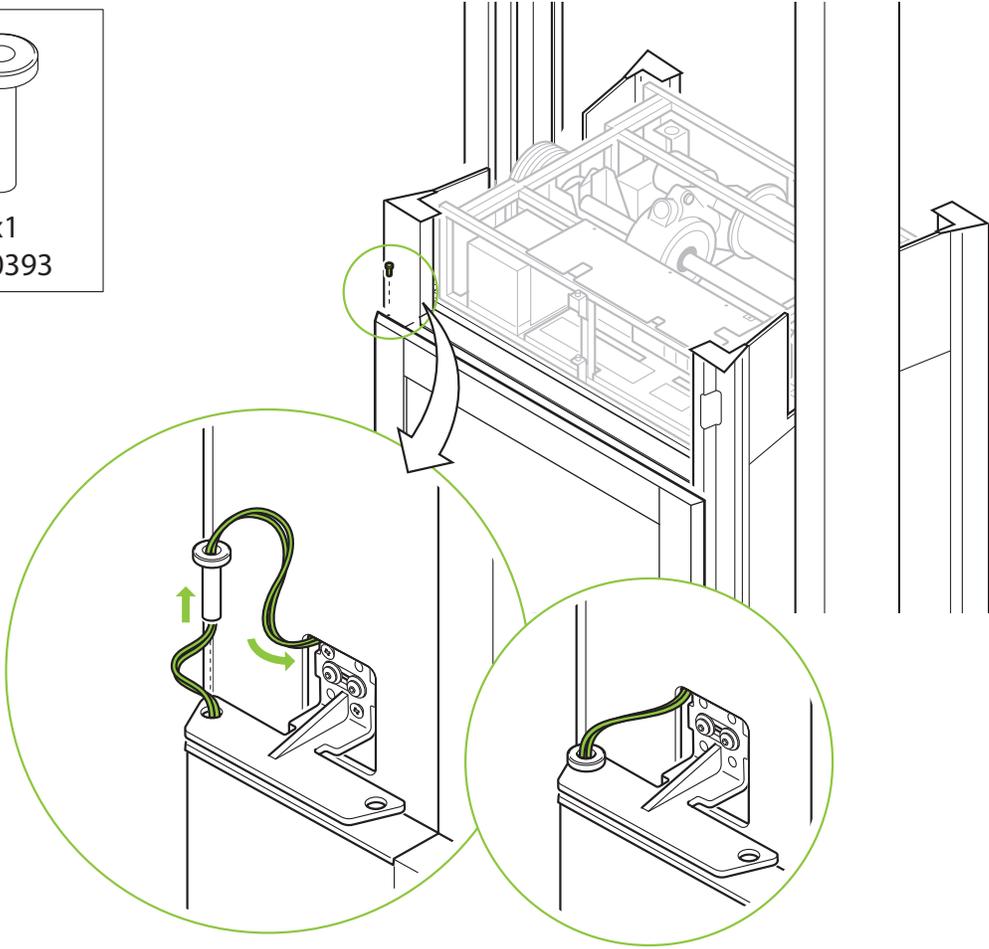
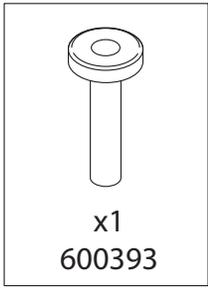
2000 mm (78 3/4") CAB - 600109
1905 mm (75") CAB - 600553



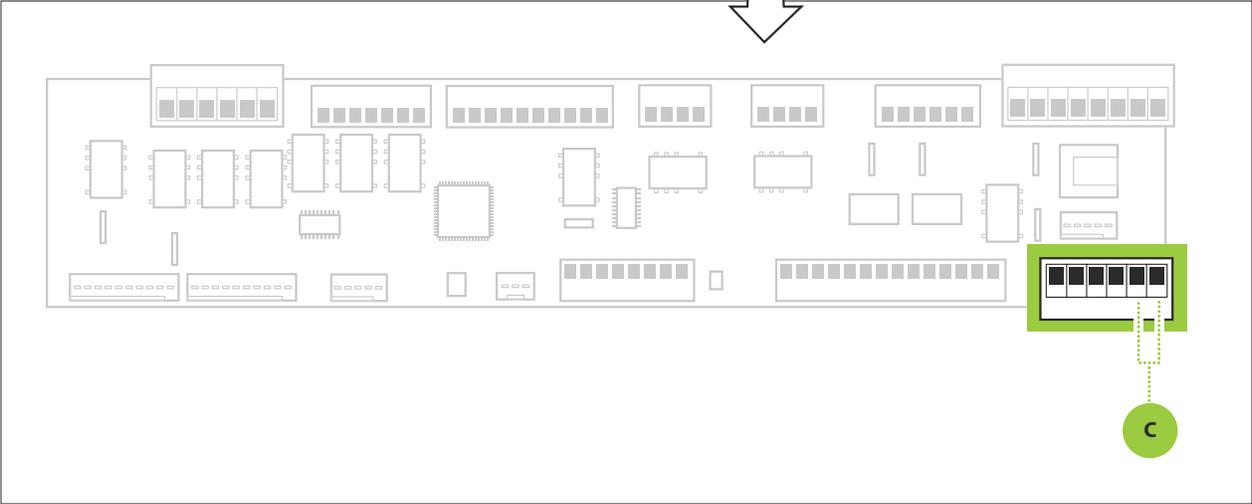
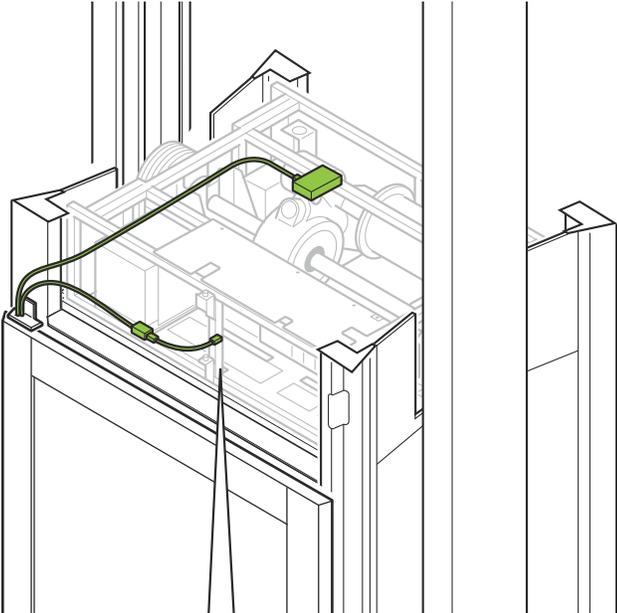
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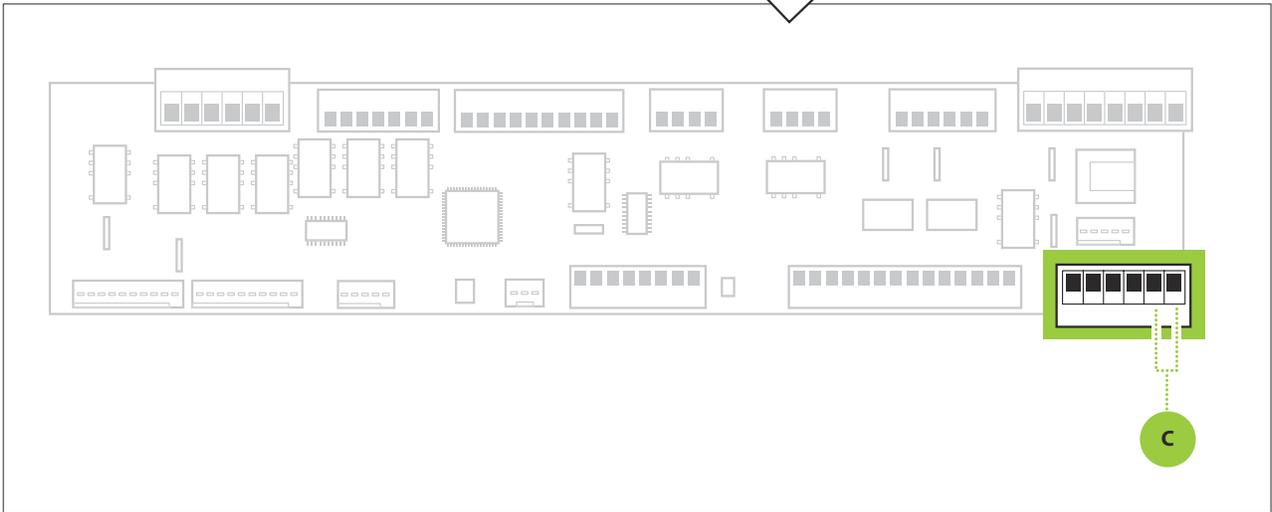
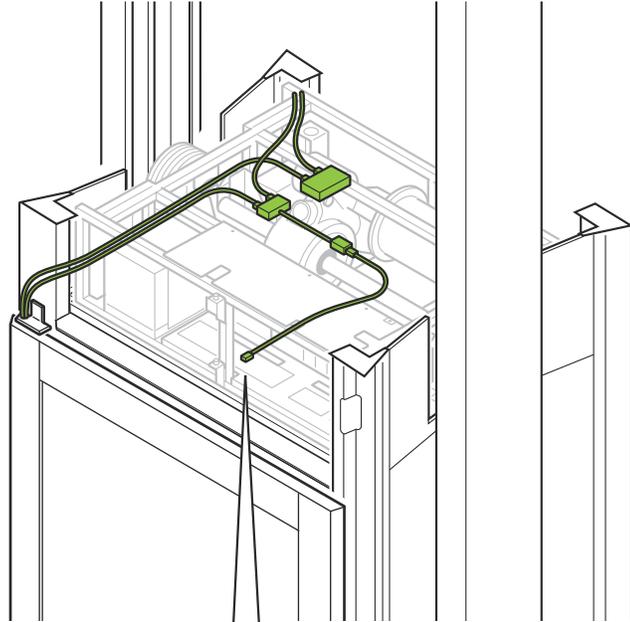
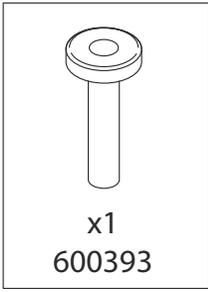
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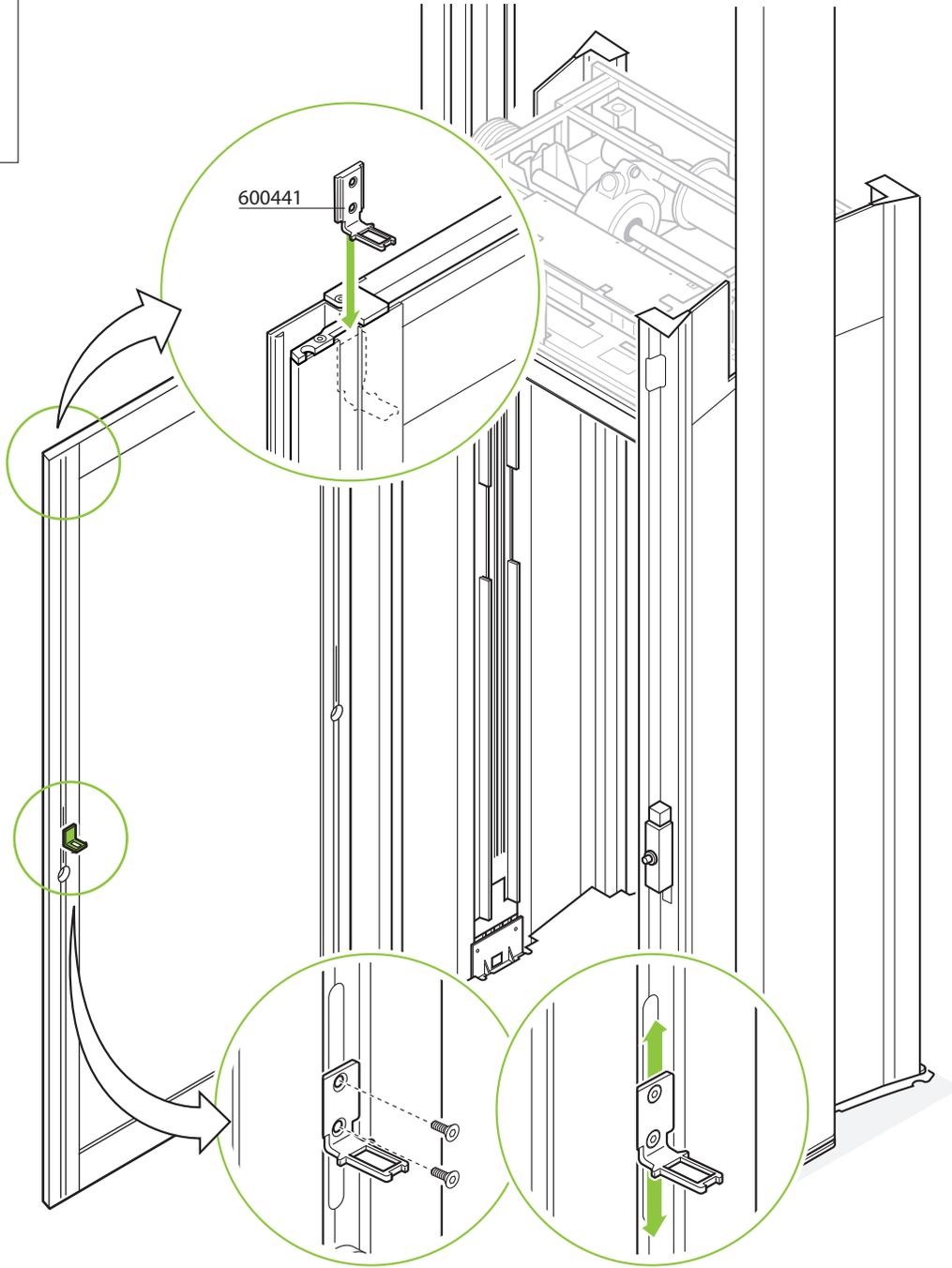
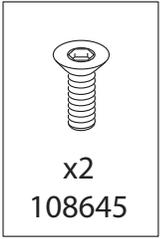
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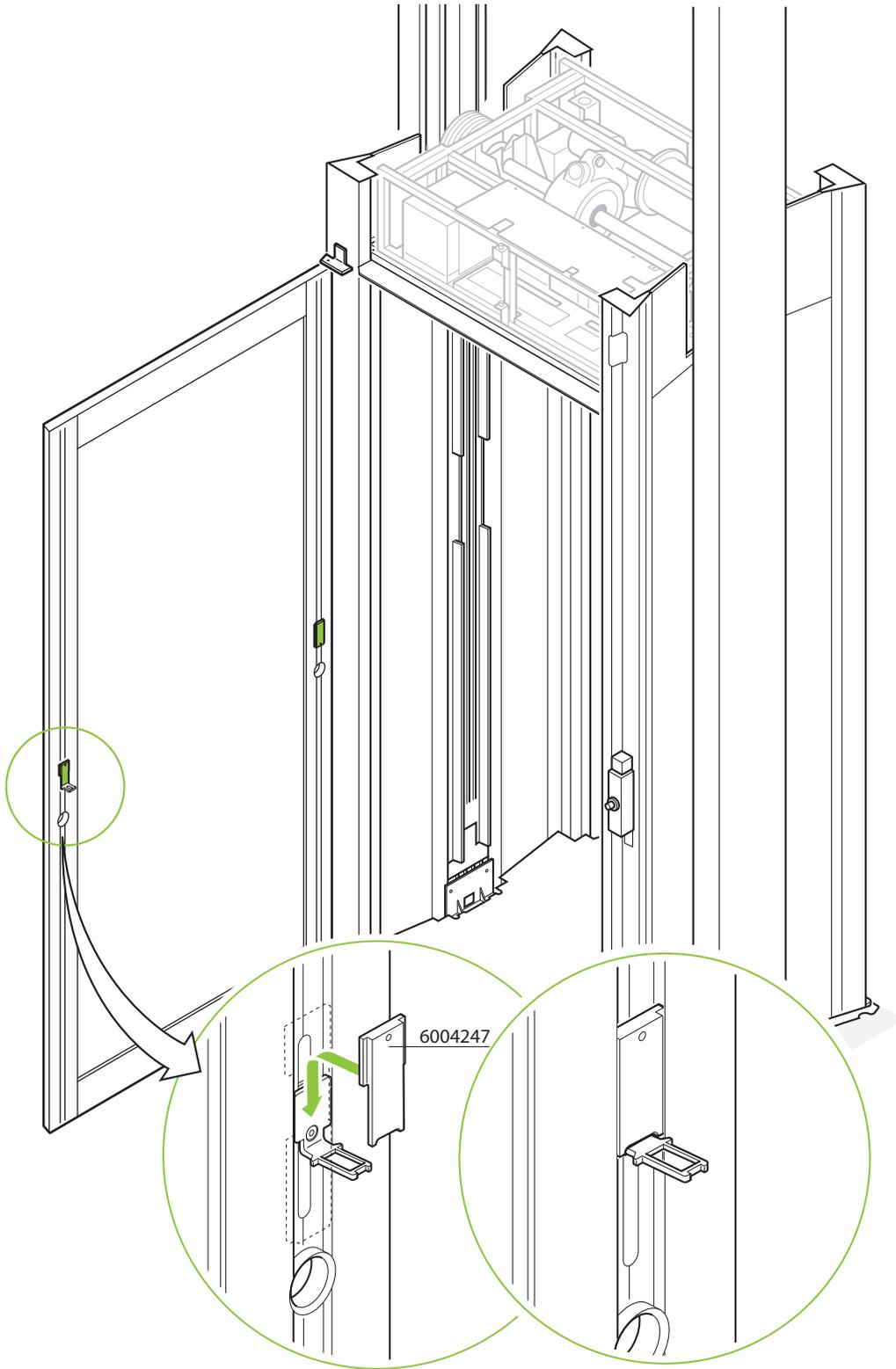
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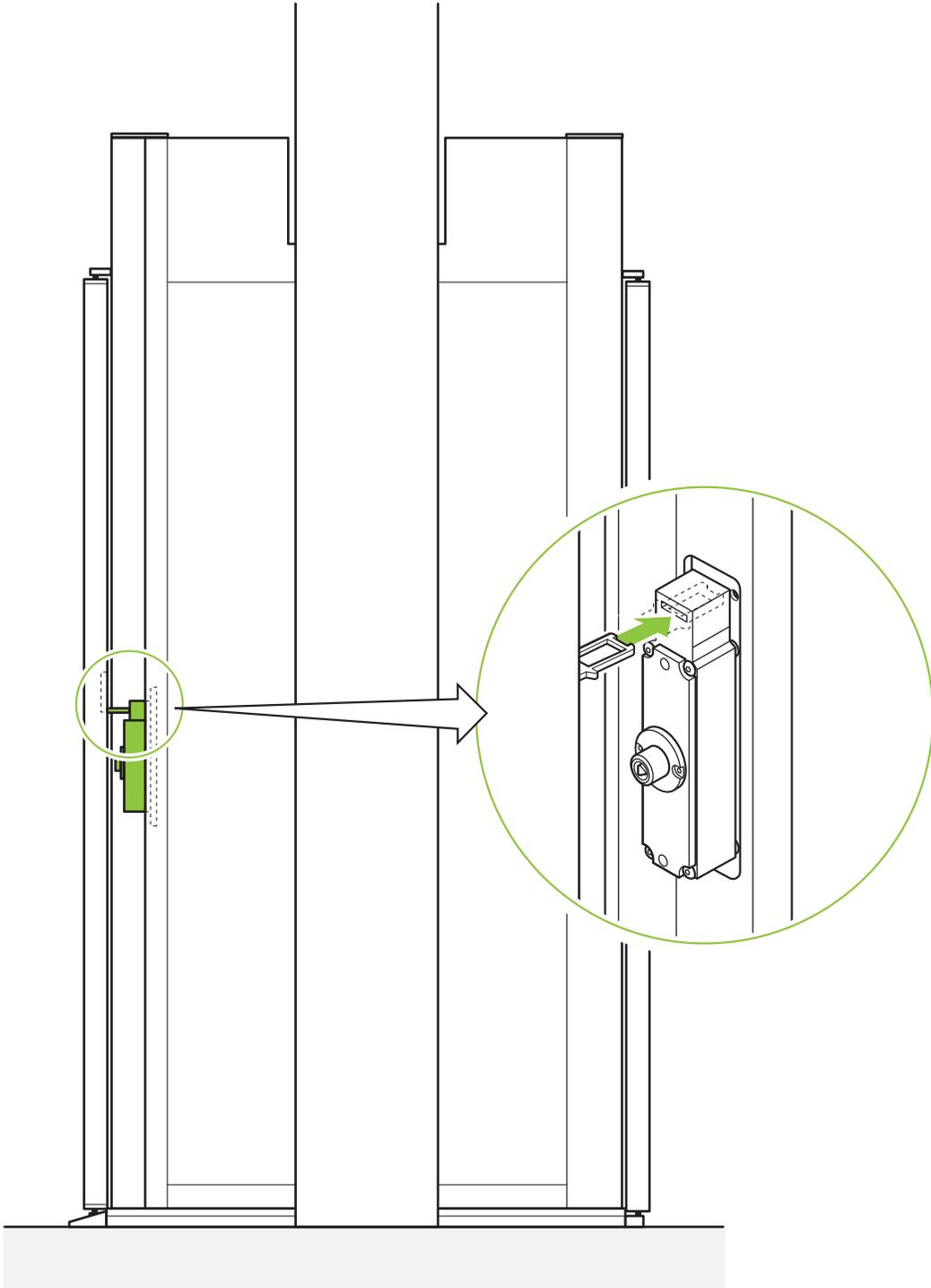
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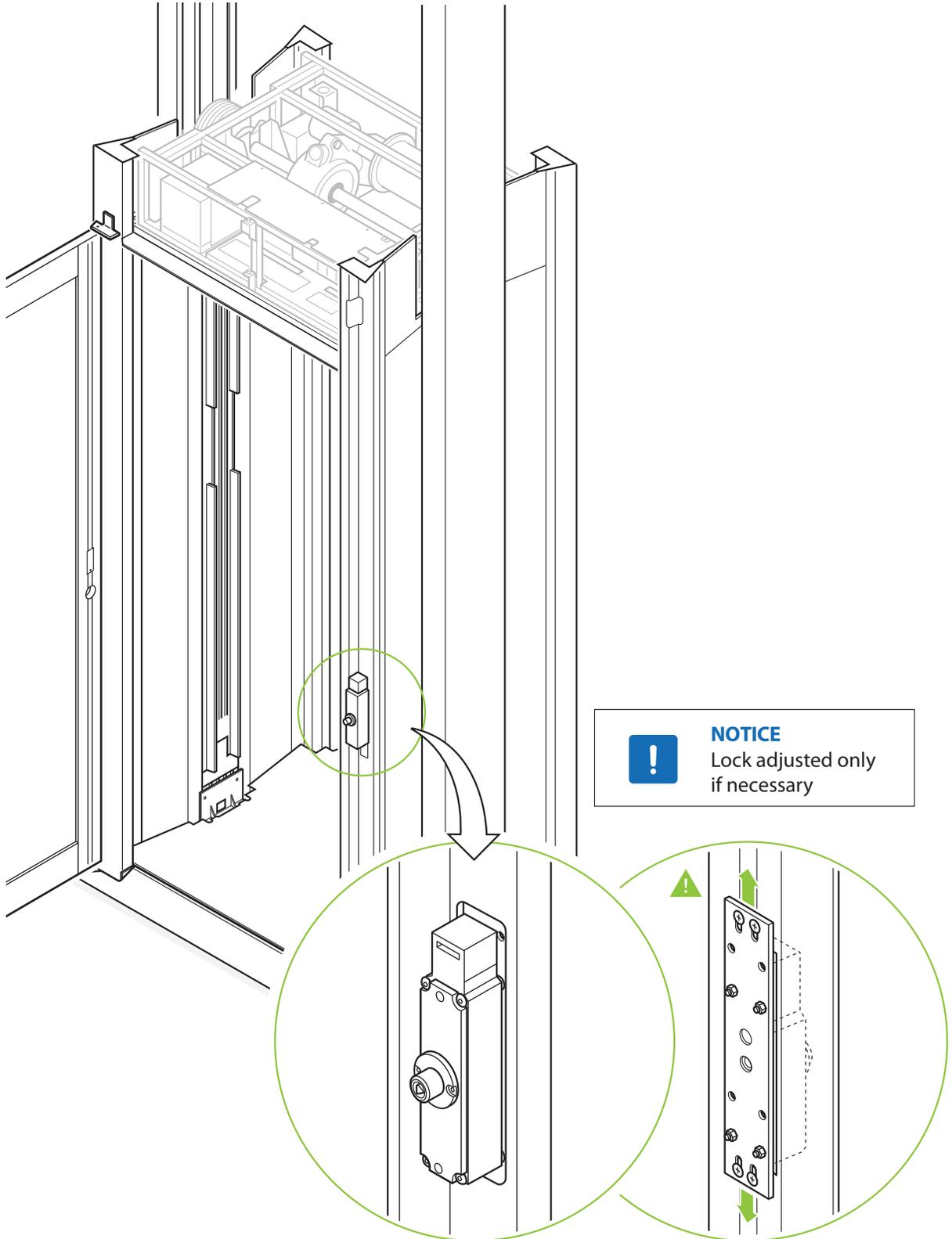
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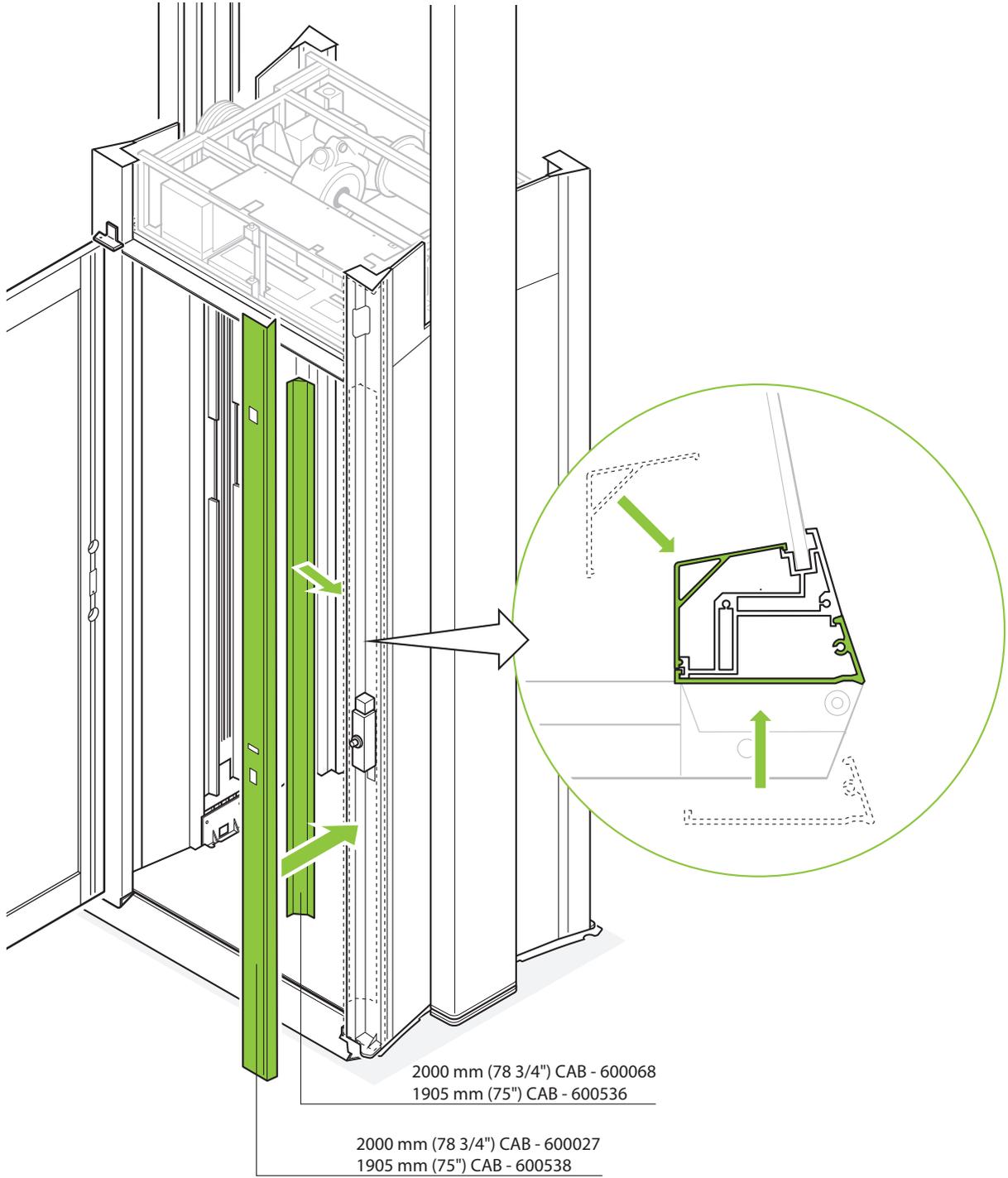
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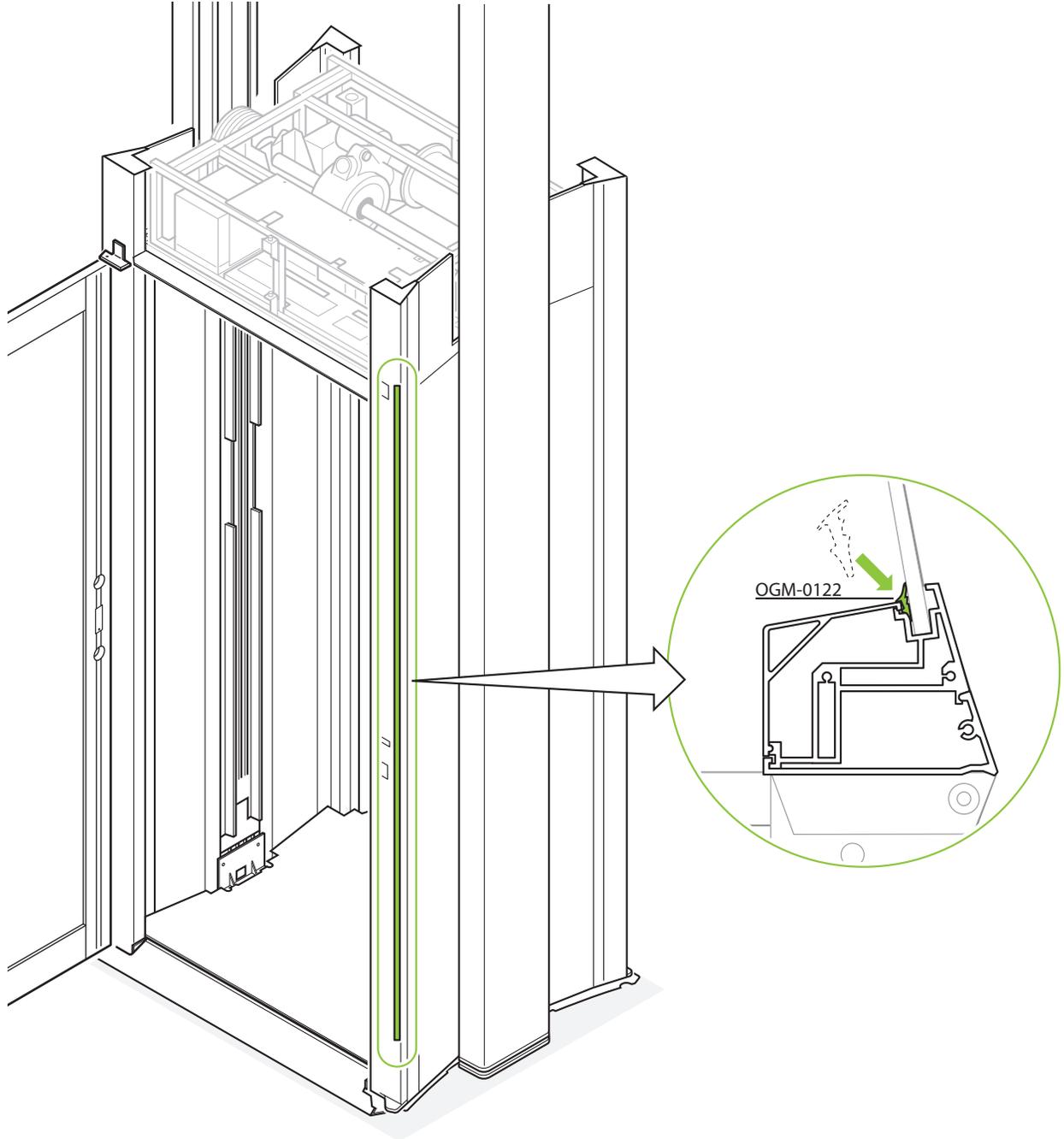
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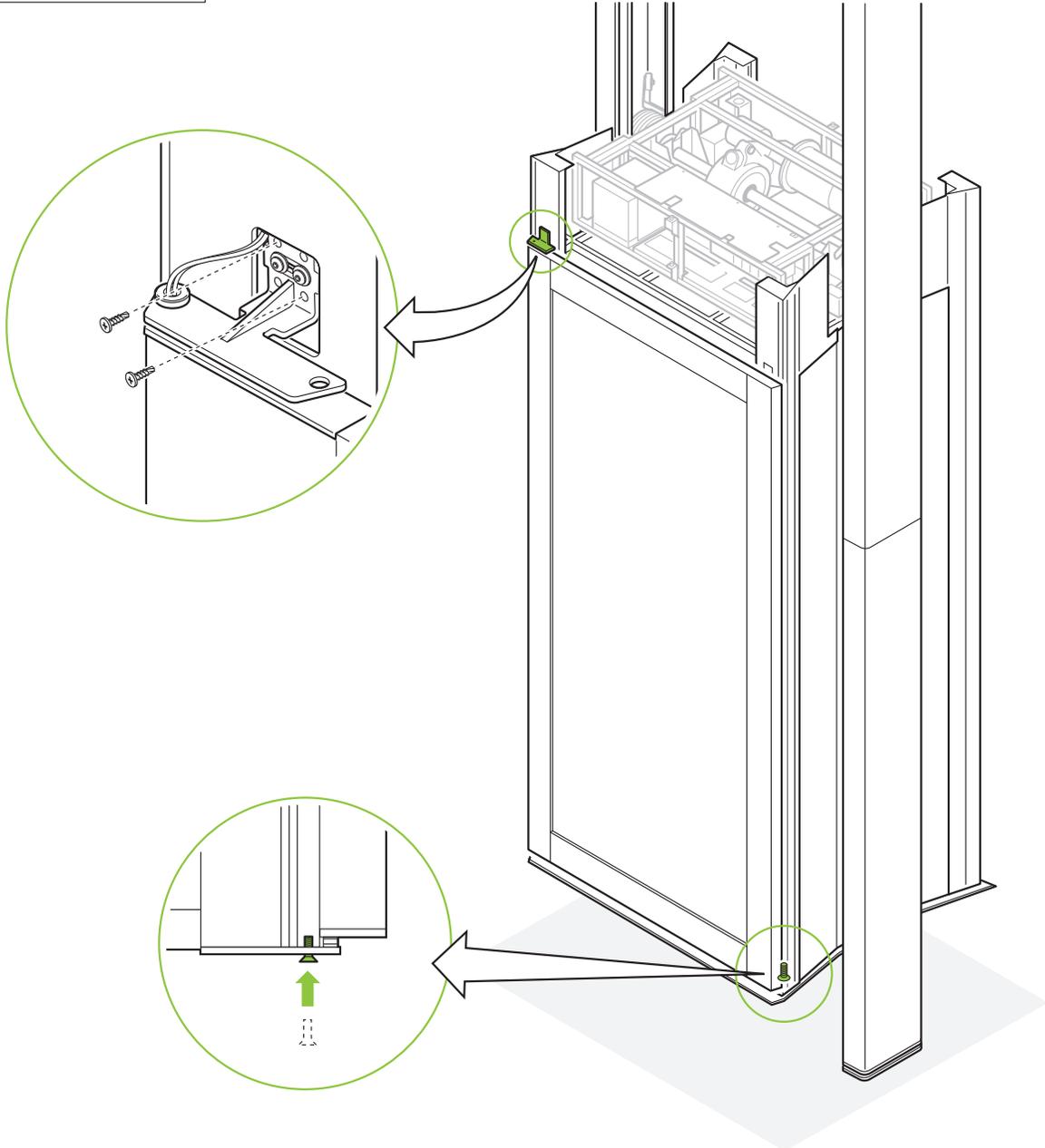
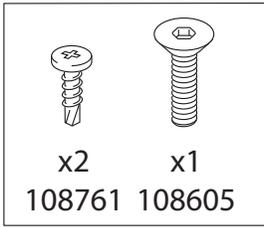
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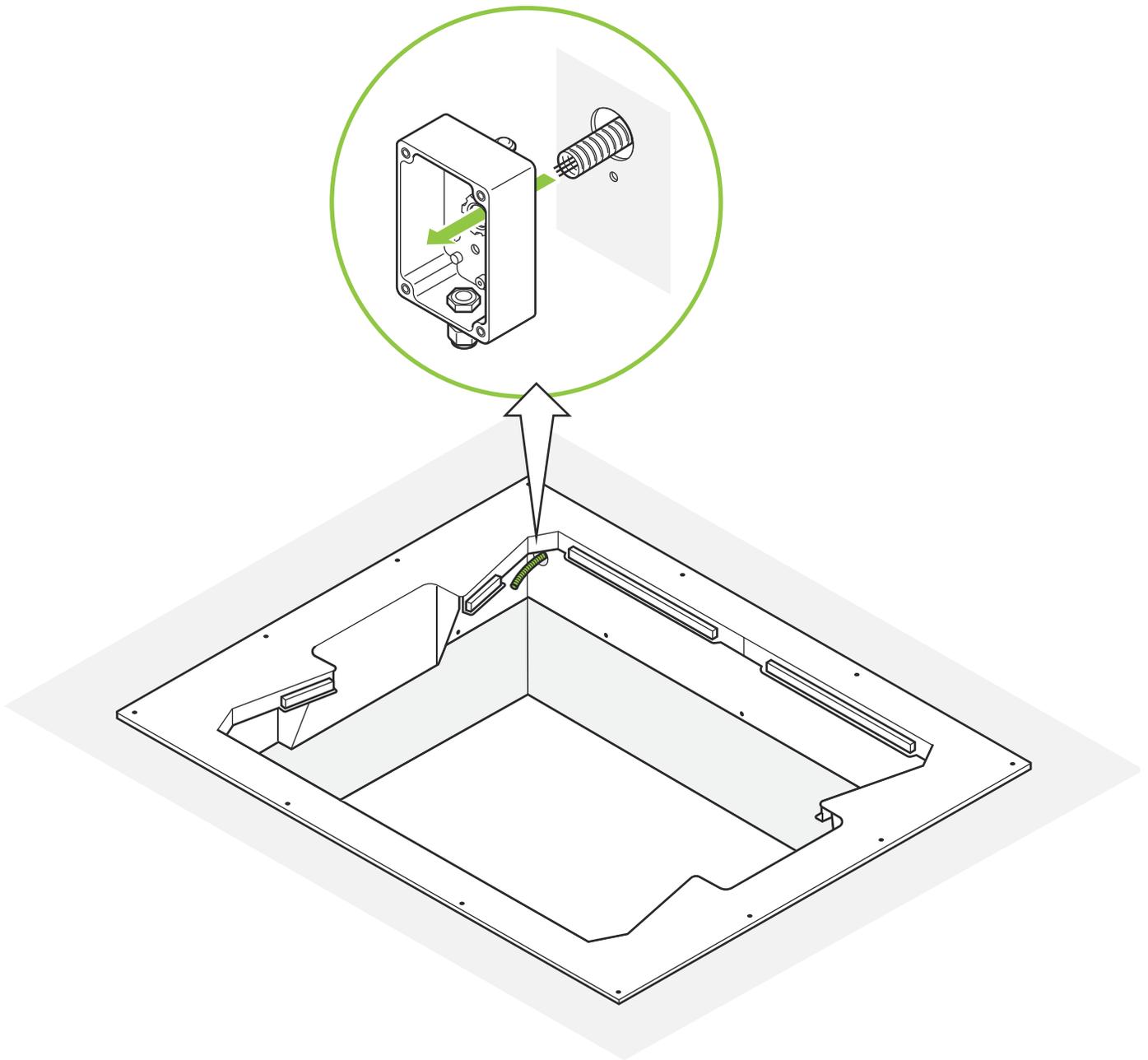
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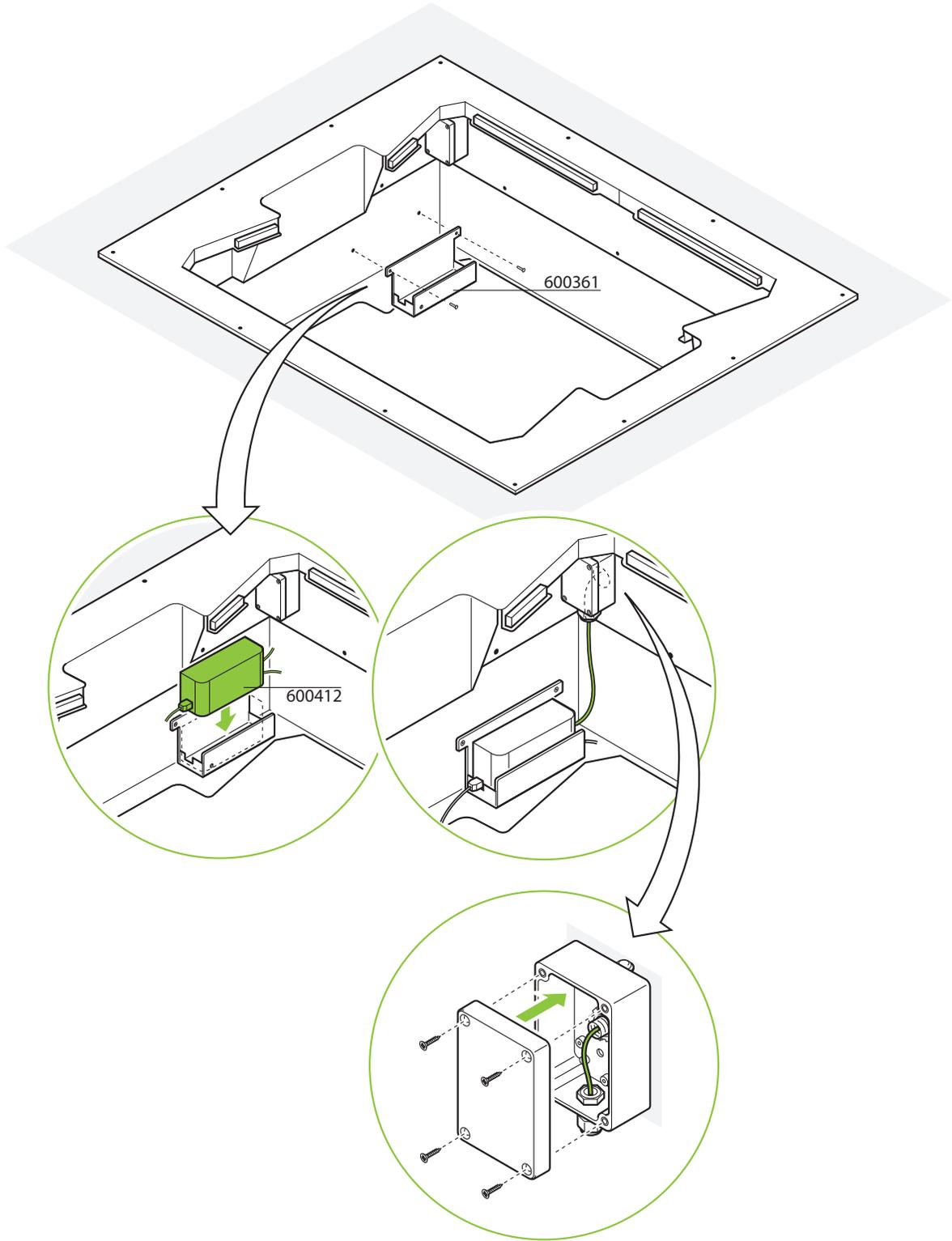
 **NOTICE**
Door alignment must be finalized before the screws can be installed

STEP 10: CHARGER INSTALLATION VIA JUNCTION BOX

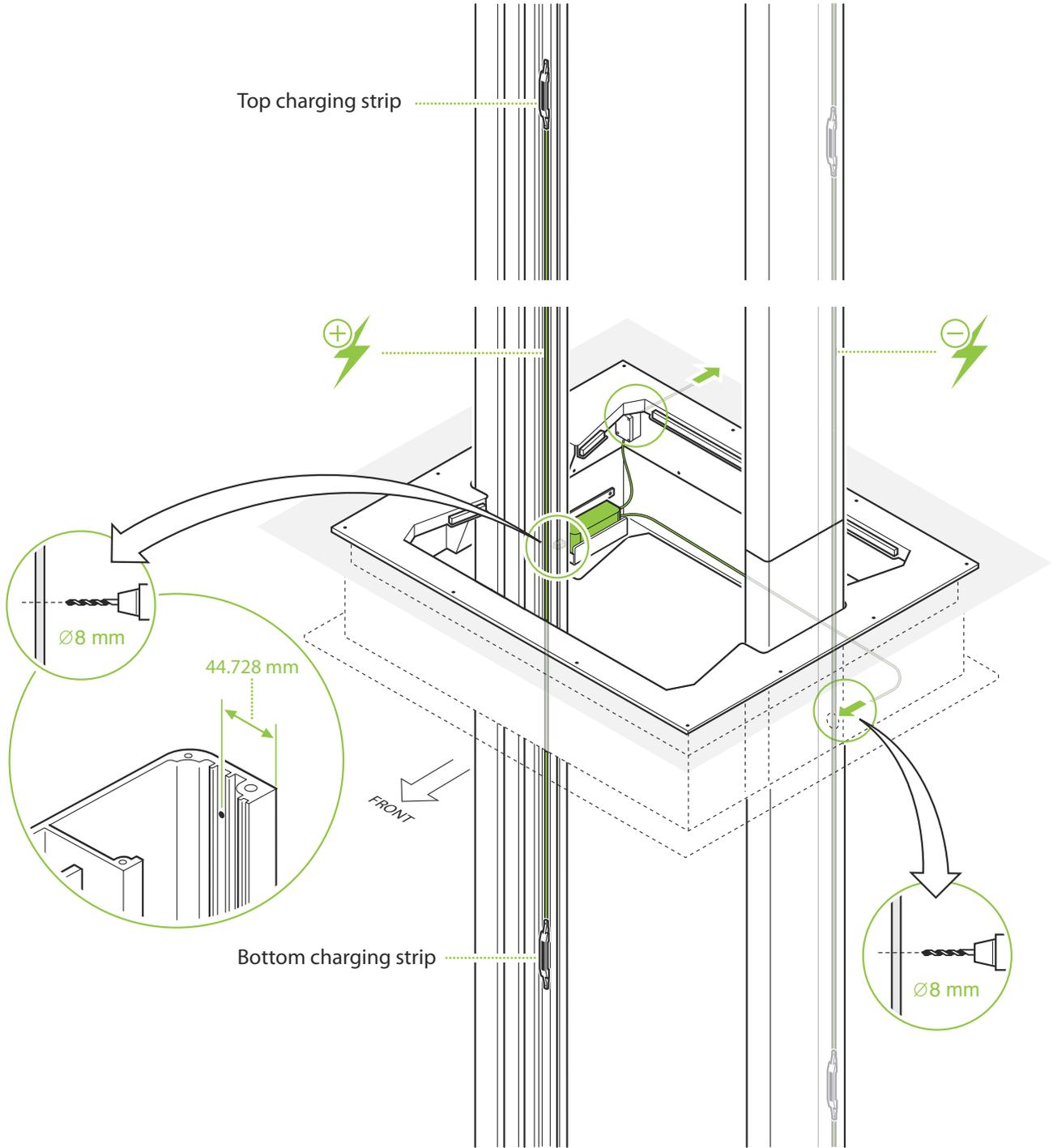
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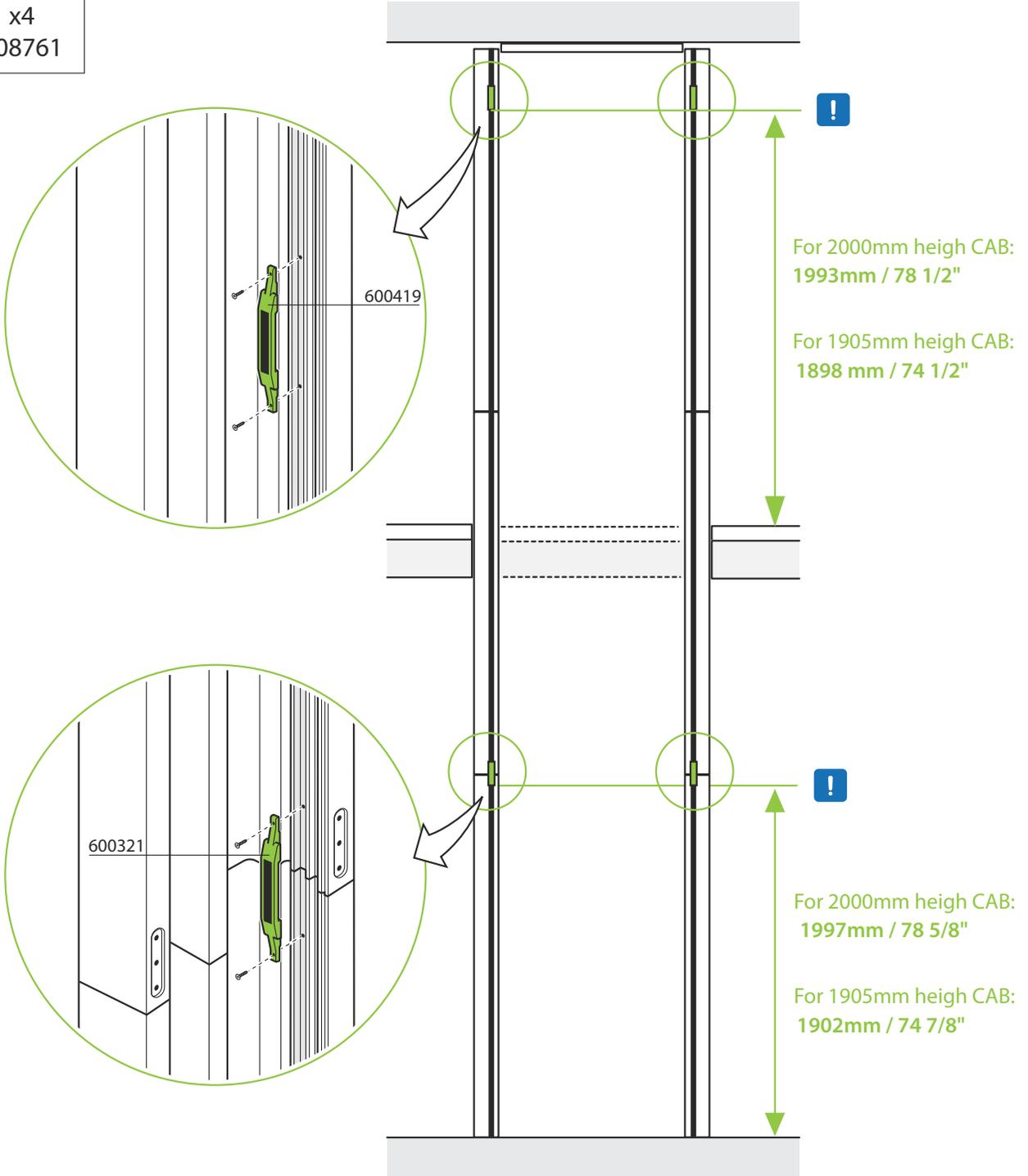
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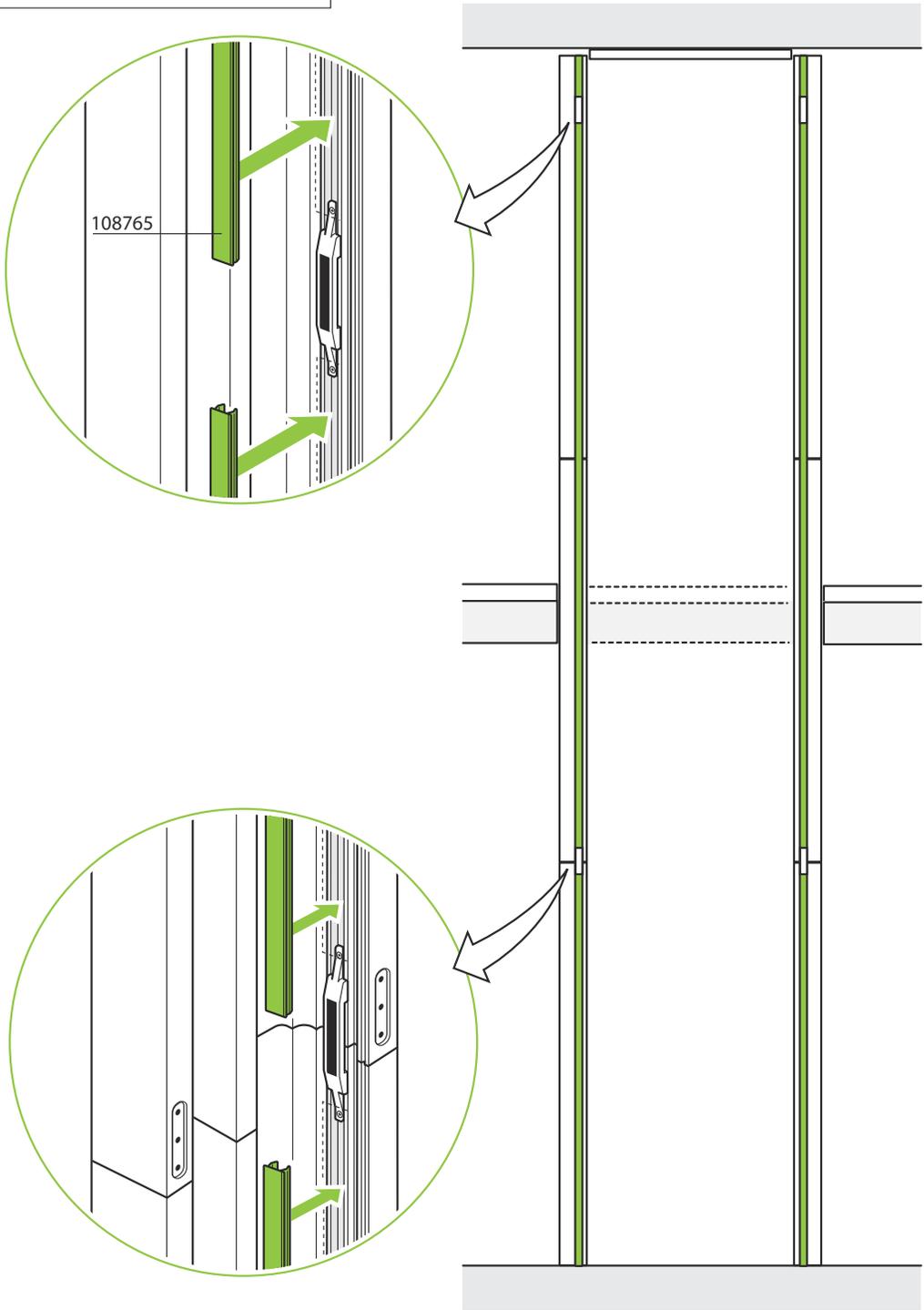


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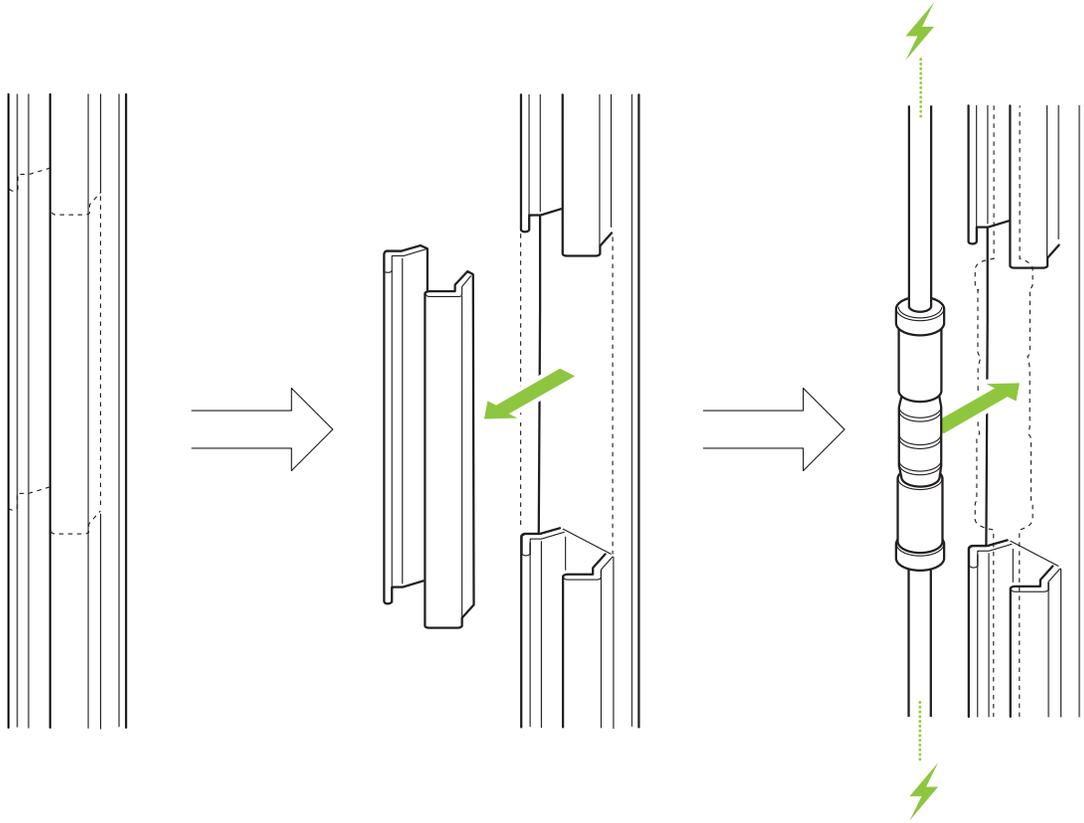


5.

 **NOTICE**
Dust covers need to be cut to length.



6.

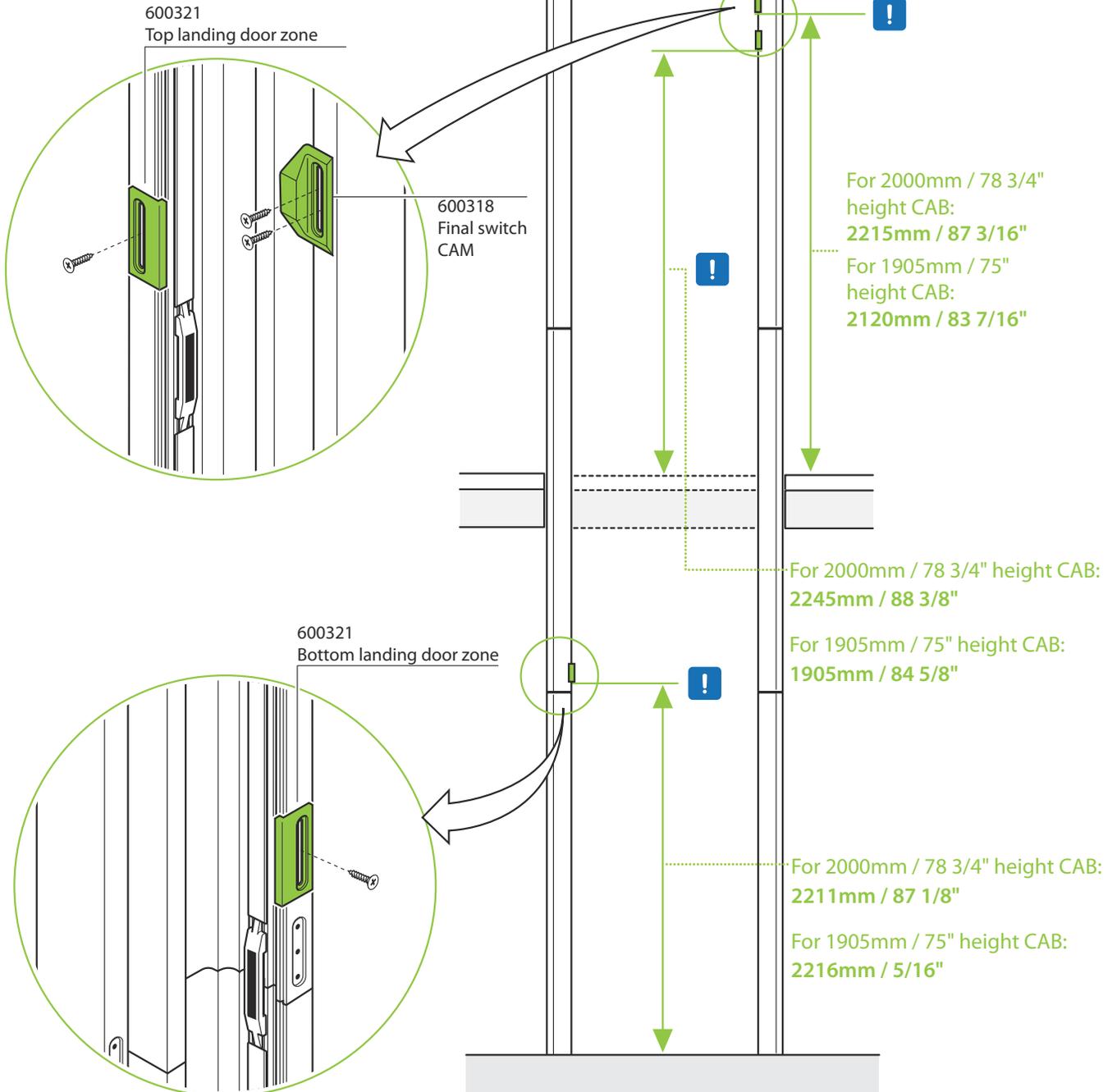
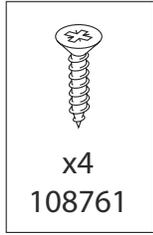


NOTICE

For connectors running through the dust covers, cut outs should be made to provide clearance

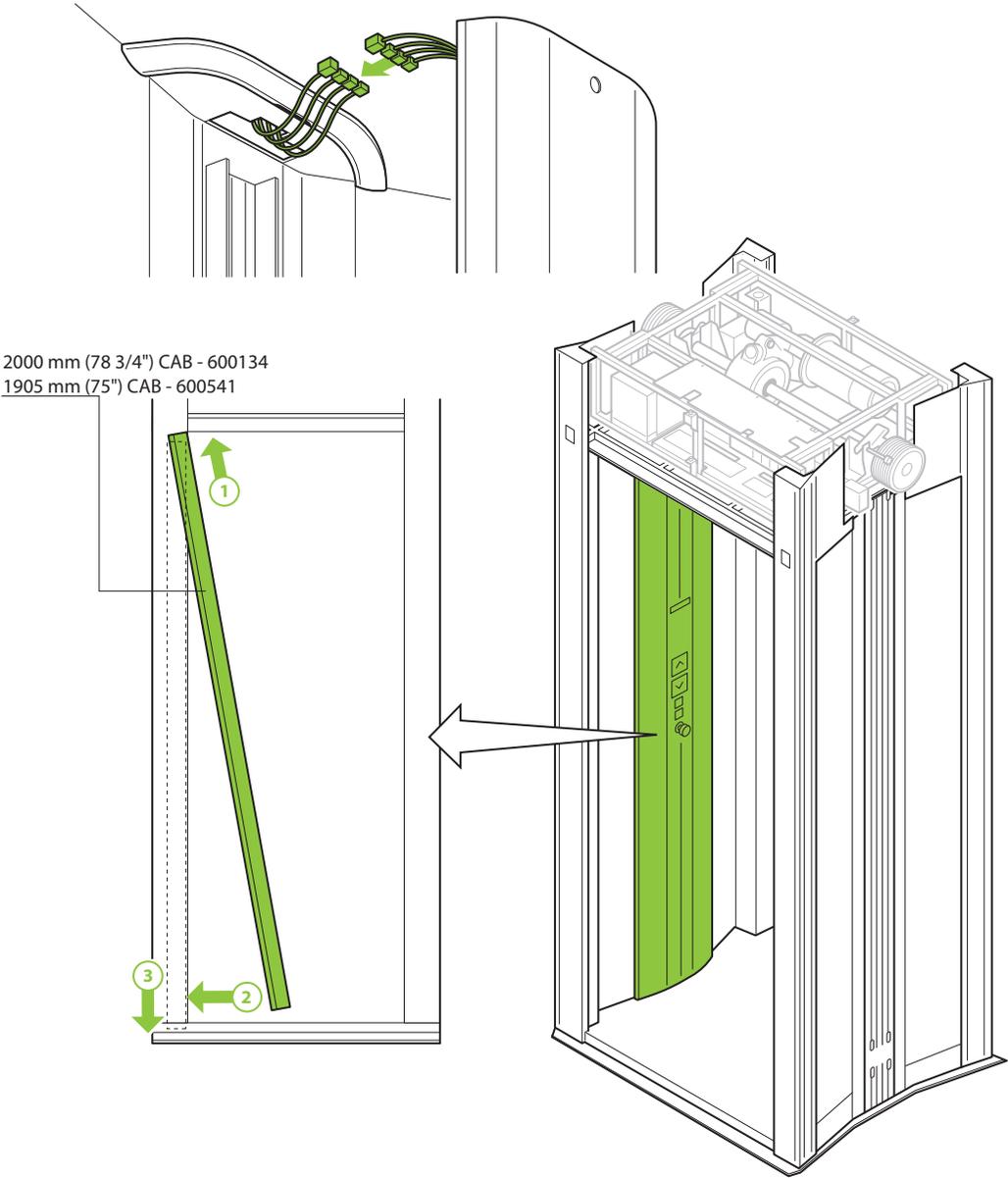
STEP 11: CAMS AND DOOR ZONE

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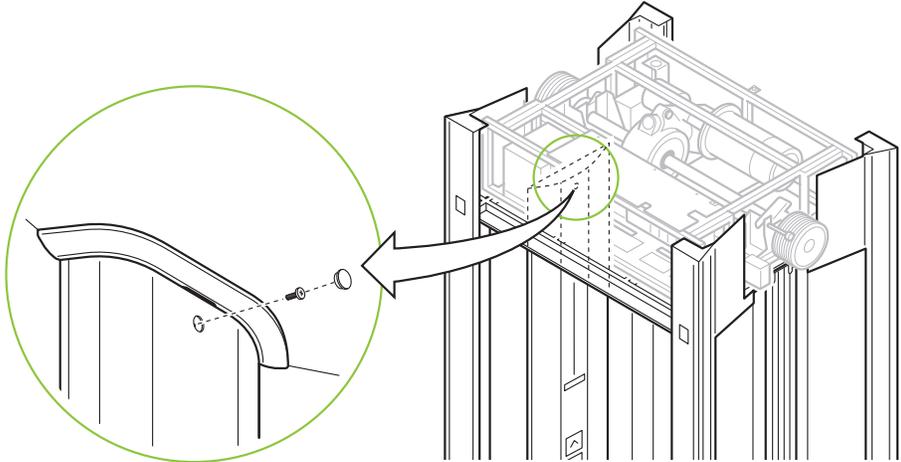
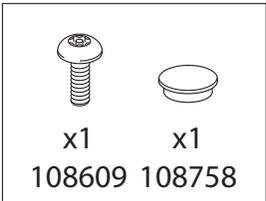


STEP 12: COP & OPPOSITE WALL INSTALLATION

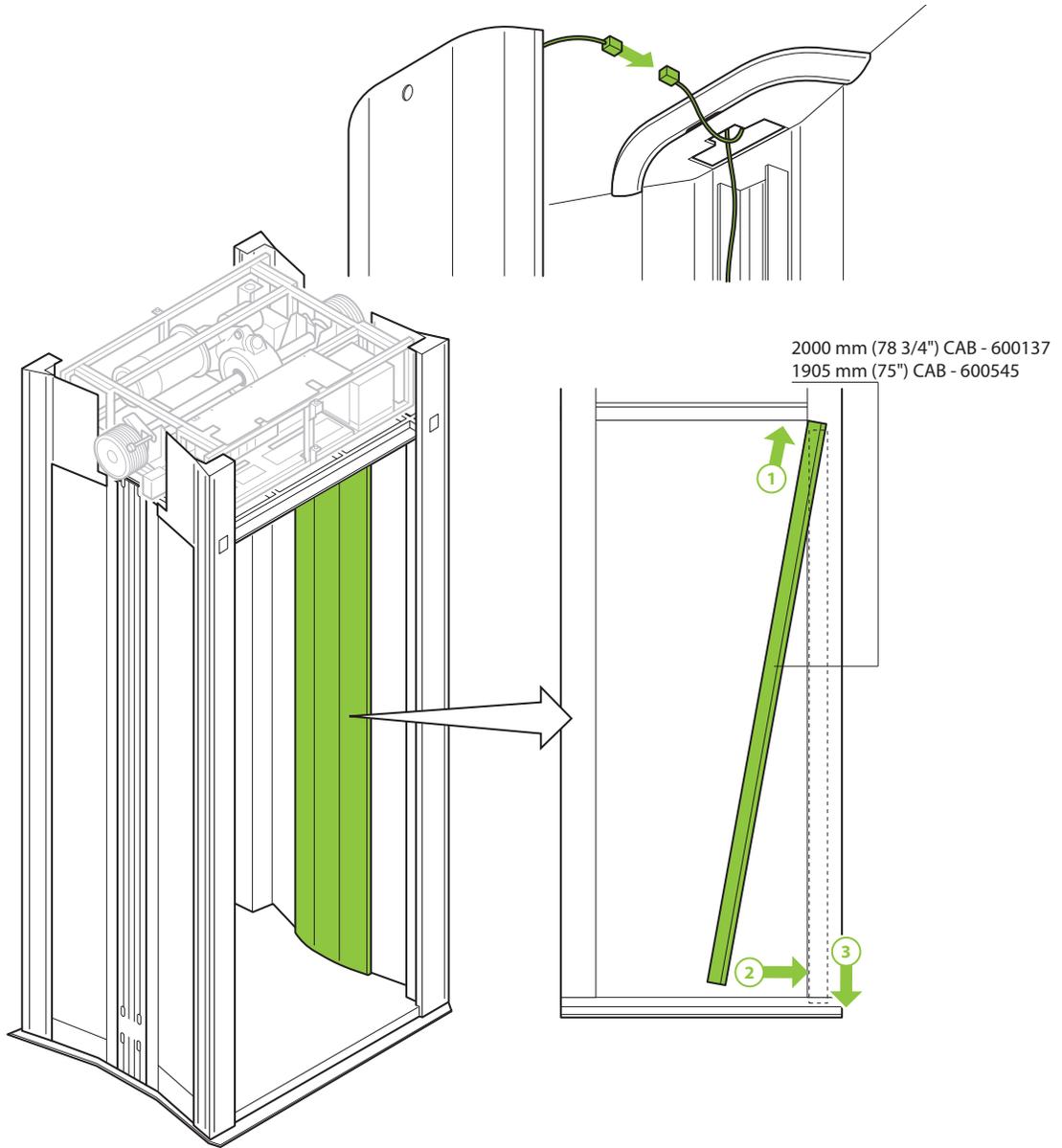
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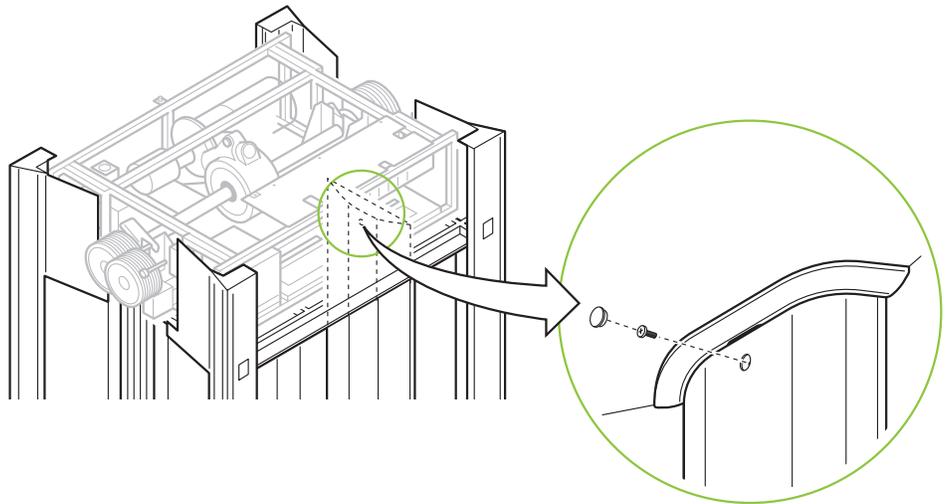
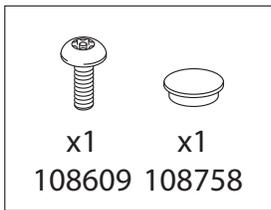
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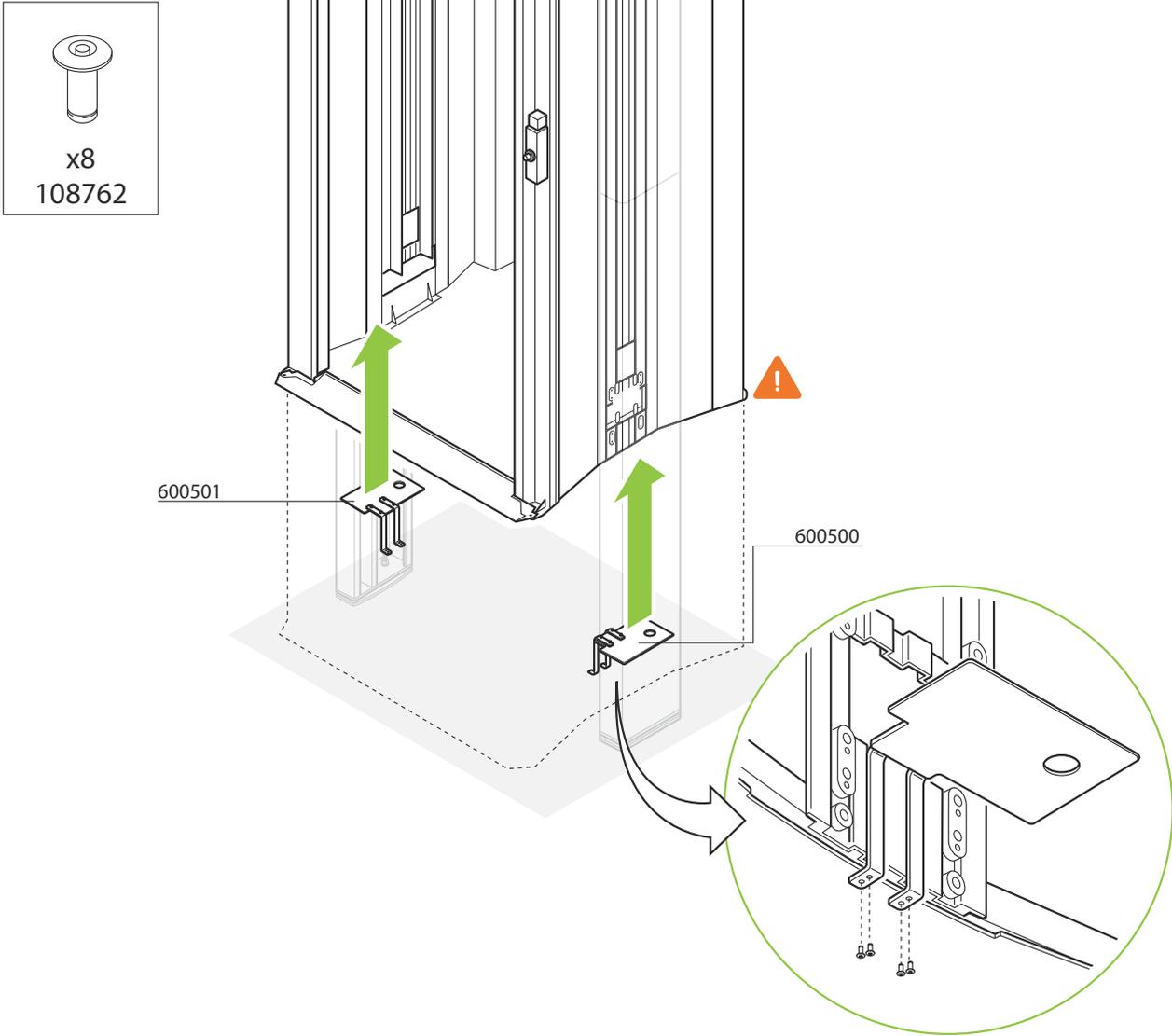


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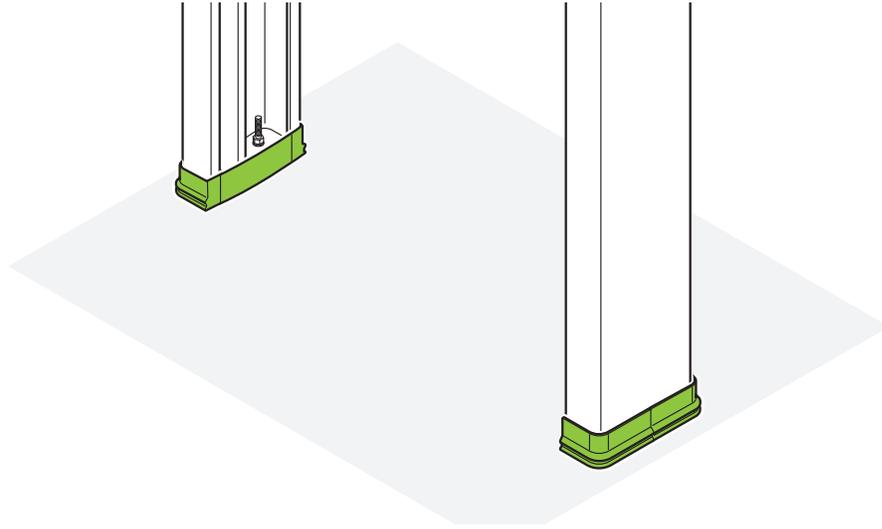
STEP 13: INSIDE RAIL COVER INSTALLATION

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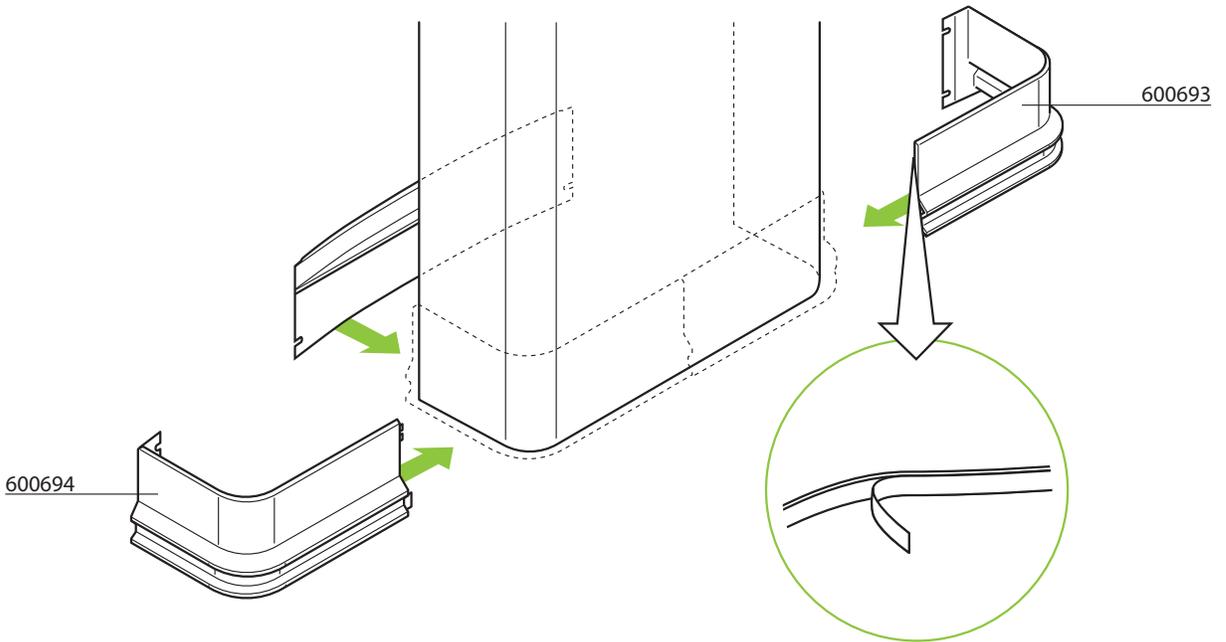


STEP 14: RAIL COVER INSTALLATION

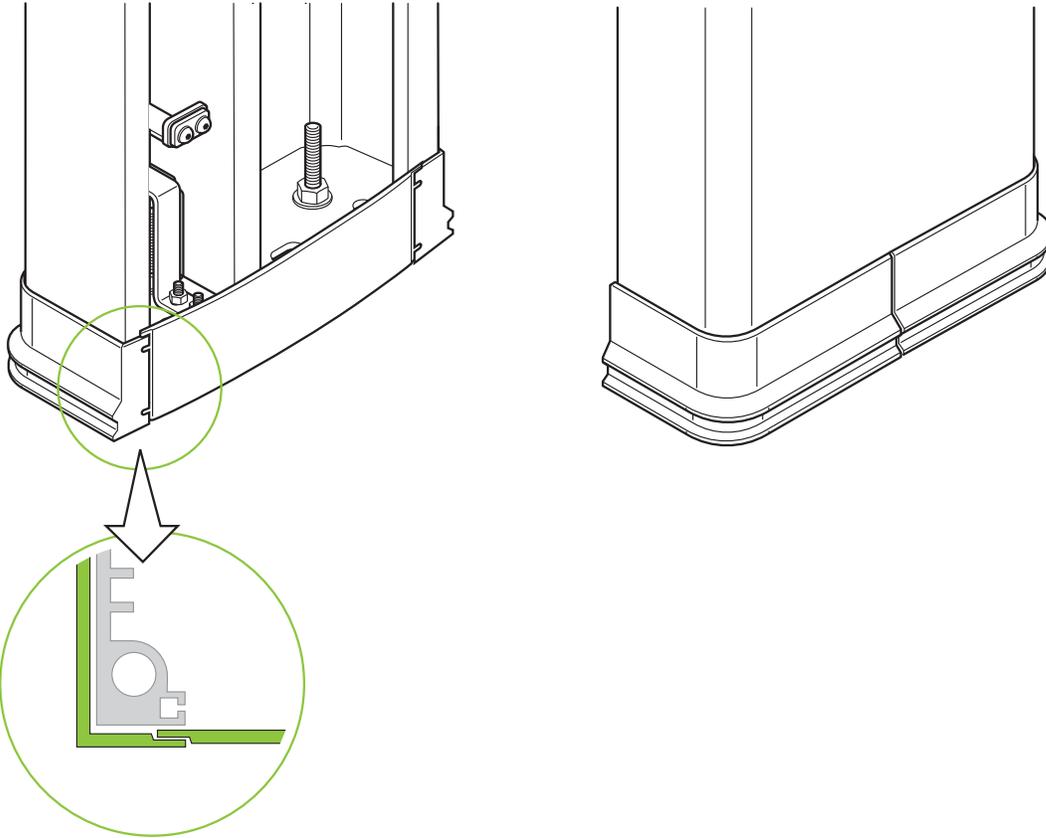
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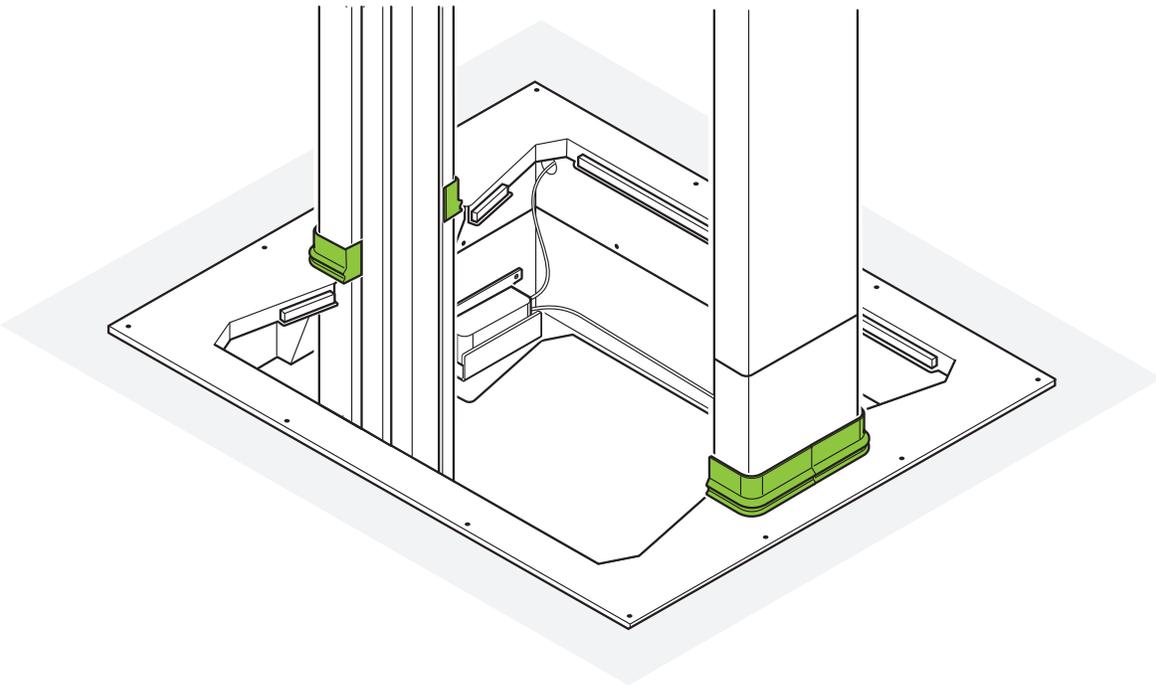
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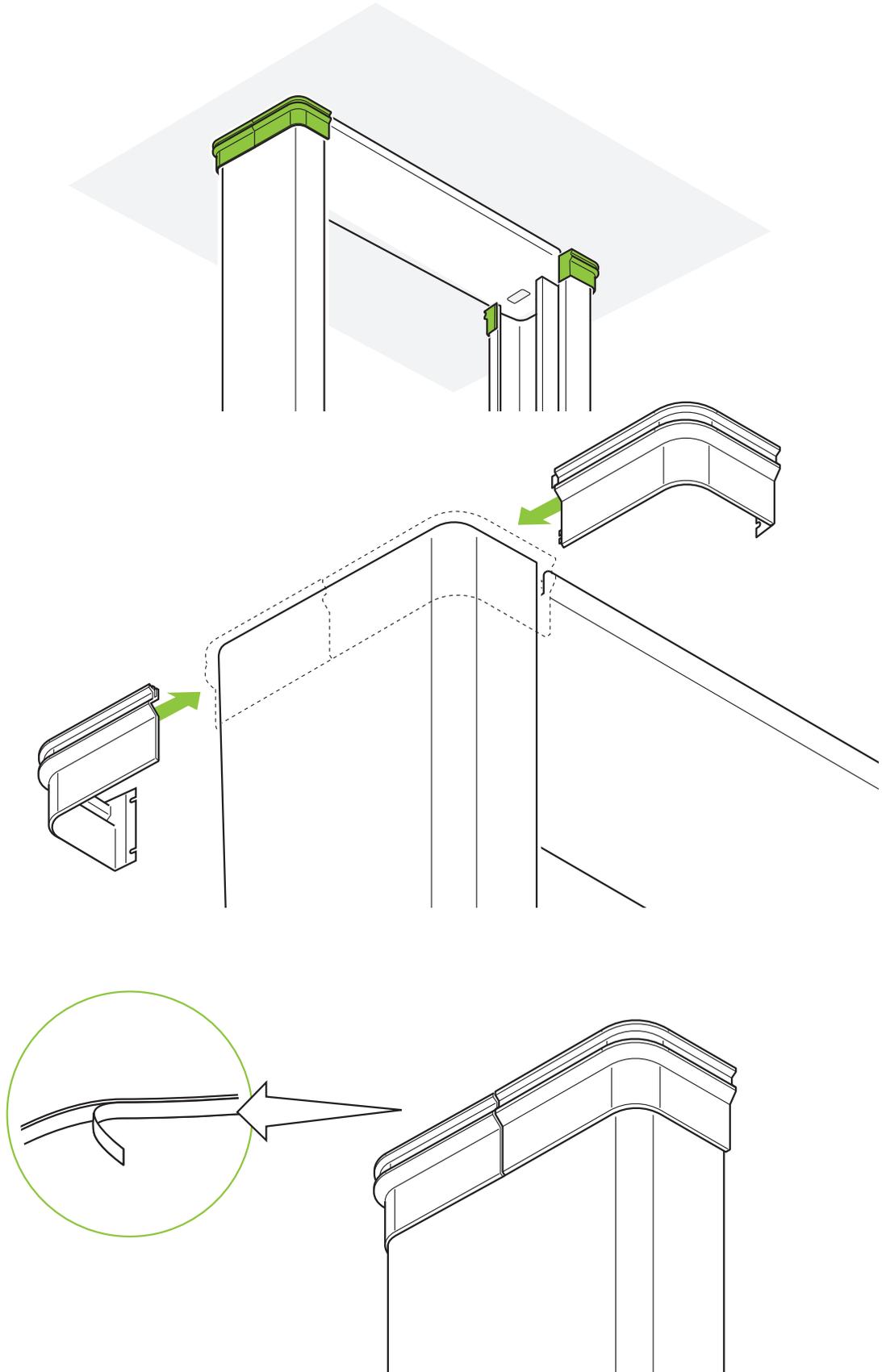
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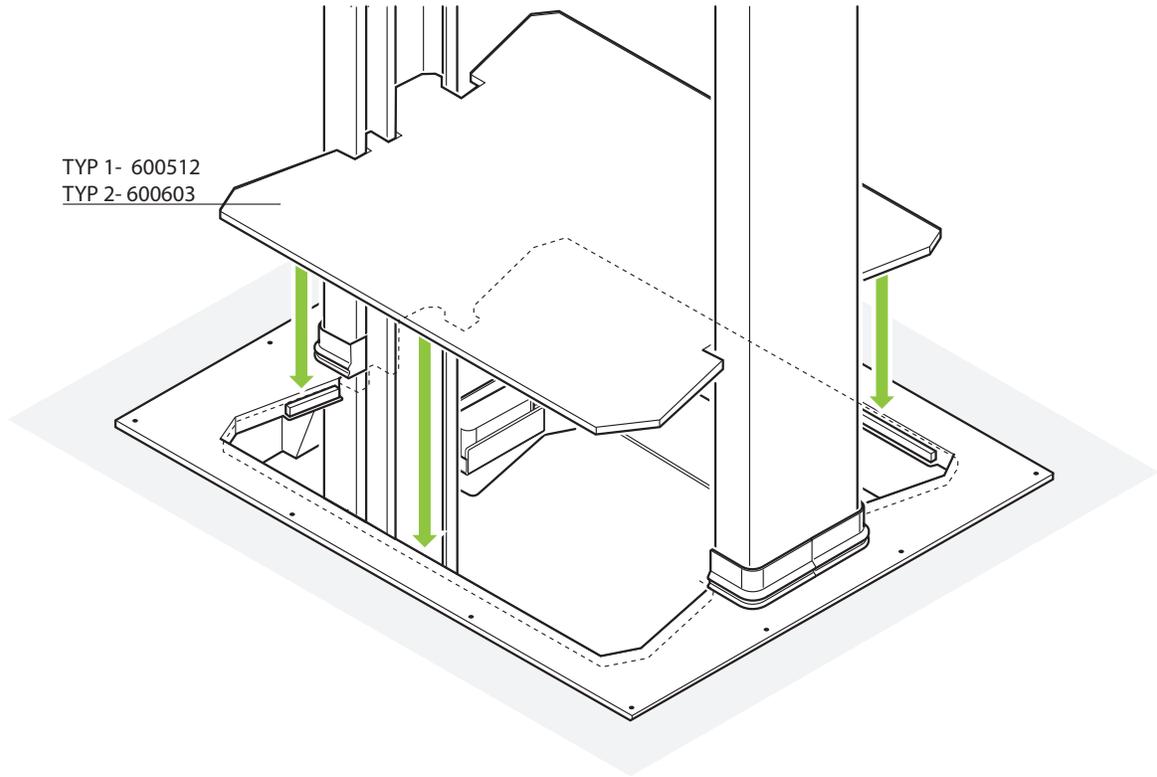
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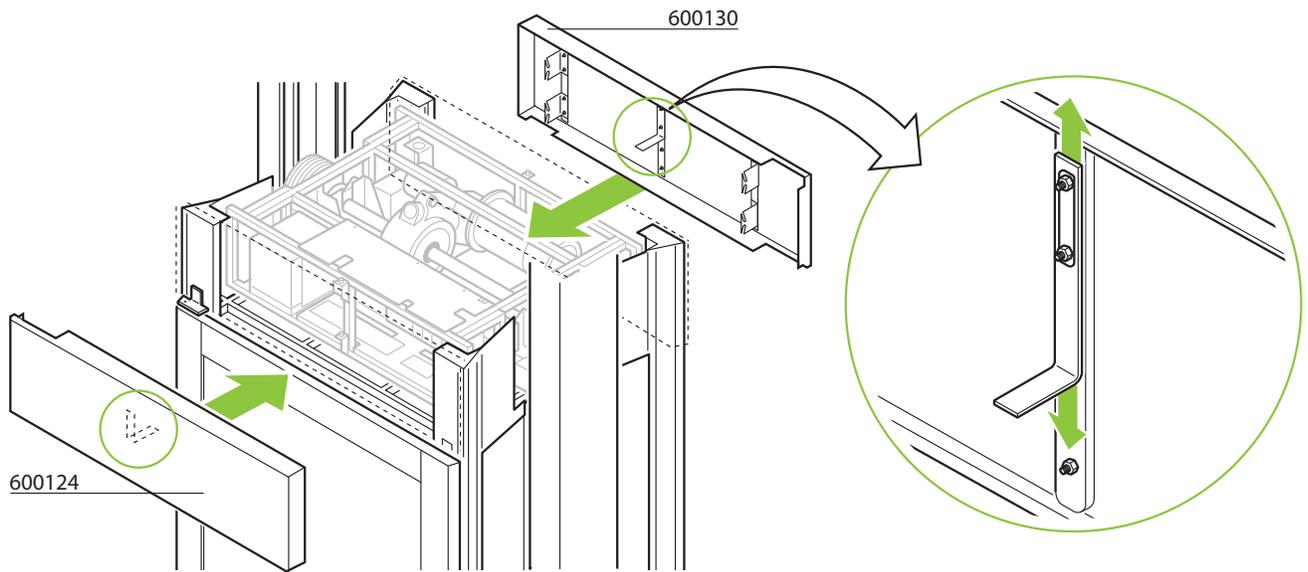
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STEP 15: FLOOR HATCH INSTALLATION



STEP 16:

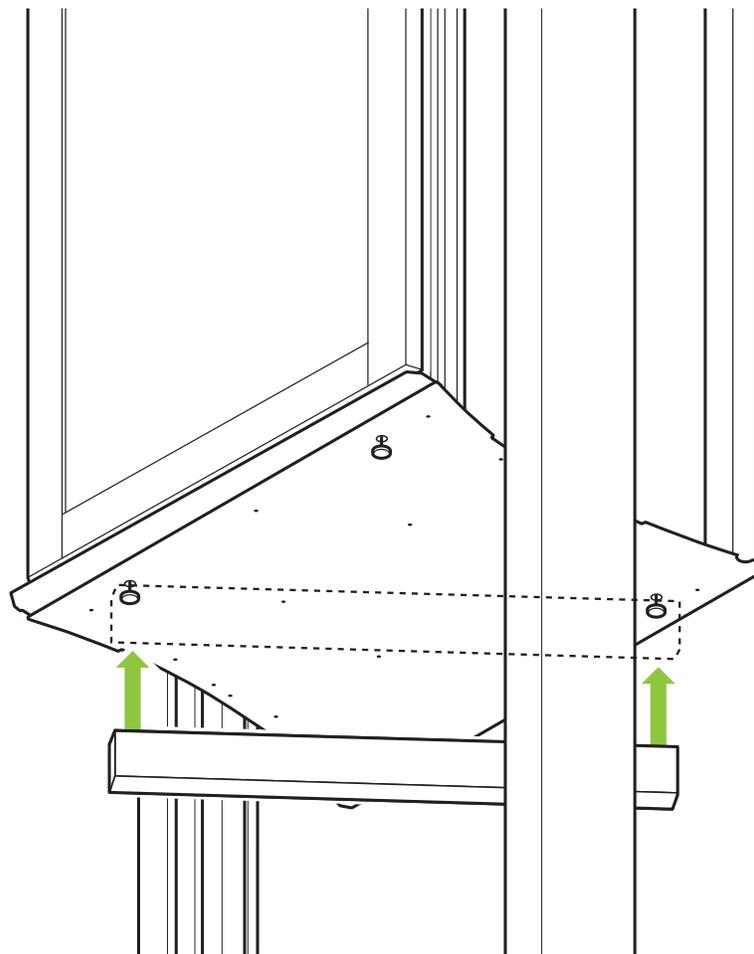


END OF INSTALLATION

APPENDIX A: SAFETY TEST & CHECKLIST

The following procedure is for performing the safety test on Luma.

1. Place a known weight of 180 kg (400 lb) inside the cab.
2. Raise the cab to a suitable height to allow access to the underpan for installing the leveling mounts.
3. Install four leveling mounts (PN# 108632) into the cab through the underpan.
4. Position a 4x4 wooden post diagonally, supported with either a hydraulic or pneumatic jack, ensuring it rests securely against the leveling mount. (Image above for reference only)
5. Once positioned and supported correctly, use the hydraulic or pneumatic jack to raise the cab to 305 mm (12 inches).
6. Slowly release the pressure, allowing the jack to reach its lowest position. At this stage, there should be no contact between the jack and the cab. The cab should now be secured by the safety brakes, ensure that the knurled wheels engaged and catches against both the rails.
7. Verify the safety brakes are engaged and the cab remains stationary without moving downward. Once verified, use the pendant to disengage the safety brakes by running the elevator in the upward direction.
8. Run the lift up until it is between the landing. At this point, remove the four leveling mounts
9. Run the lift down, remove the pendant and turn on both switches (door and safety) in the controller to restore the lift to normal operation.



Safety Checklist

Luma

Job Number: _____

Location of the lift: _____

Serial Number: _____

Date of Installation: _____

According EN81-41:2022 Section 6.3.1

Immediately upon completion of installation and prior to being put into service, lifting platforms shall be subjected to a thorough examination and test by a competent person in accordance with the following:

Checklist	Description	Verification
Call Stations (In-cab)	Check the function (Press and hold to run) of the up and down buttons on COP.	
Call Stations (At Landing - Remote)	Check the function (Press and hold to run) of the up and down buttons on the remote.	
Door Lock	Bottom and Top Landing (Door Open)- Ensure the unit will not run with the door open.	
	Bottom and Top Landing (Door kept unlocked using the manual key and closed) - Ensure the unit will not run.	
Stopping distance of the lift is within specified limits	Ensure that the cab floor is level with the landing sill within 6 mm (1/4") at both landings. Adjust the cams if necessary to meet this requirement.	
All electrical safety devices function correctly	Ensure that when the emergency stop button inside the cab is pressed, the alarm sounds, and all controls to move the elevator, both inside the cab and at the landing, should stop working	
	Activation of the underpan interrupts the travel (down direction only).	
	When the hatch is engaged and the hatch safety switch is activated with a load of 20lbs or more, the lift should not move further in the upward direction.	
	Activation of the final limit switches should interrupt travel (activate cautiously by any hand/tape).	
	Activate the slack rope/safety gear switch and verify that the lift does not move in either direction.	
The correct clearance dimensions from the surrounding structure are maintained throughout the full travel.	Gap between the floor liner and the car entrance/exit should be ≤ 25 mm.	

Emergency manual lowering system operates correctly.	When manual lowering socket is removed, the landing and in-cab directional controls are rendered non-functional.	
One Touch Alert (Two-way communication) is functioning correctly.	Place a test call through one touch alert and check for call quality.	
	Refer to One Touch Alert Installation and Setup Guide to verify operation and handover to the end-user.	
Batteries	When the cab is at the landing, ensure proper contact with the charging strips and that the battery begins charging. Verify charging status with the following indicators: Solid Green light - Indicates that the battery is fully charged Solid Orange light - Indicates the battery is currently charging	
	Ensure audio signal when the lift is not at the landing (periodic beep every 10 seconds).	
	Disconnect the main battery quick connector. Ensure emergency light and One Touch Alert (Two-way communication) are functional.	
Training and document handover	All notices or labels are correctly displayed.	
	Train owner/user on proper lift operation	
	Demonstrate emergency operation to owner/user	
	Provide lift documentation to owner/users	

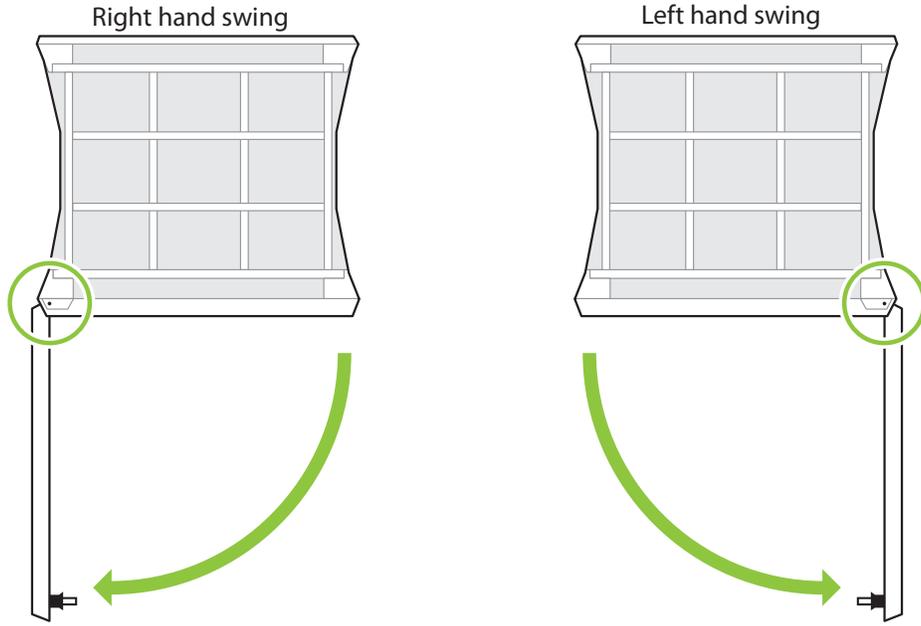
Completed by (print): _____

Company: _____

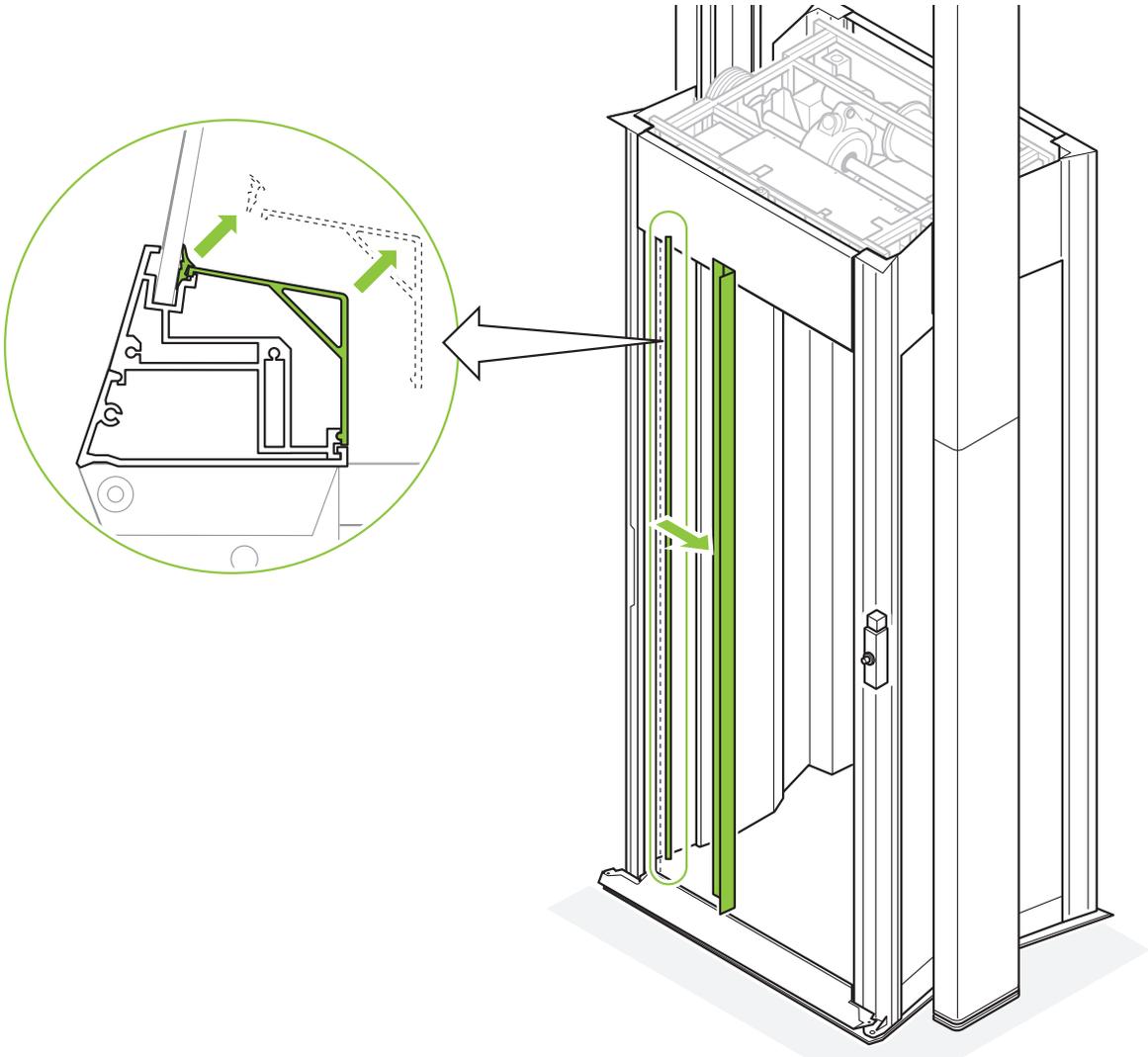
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Signature: _____

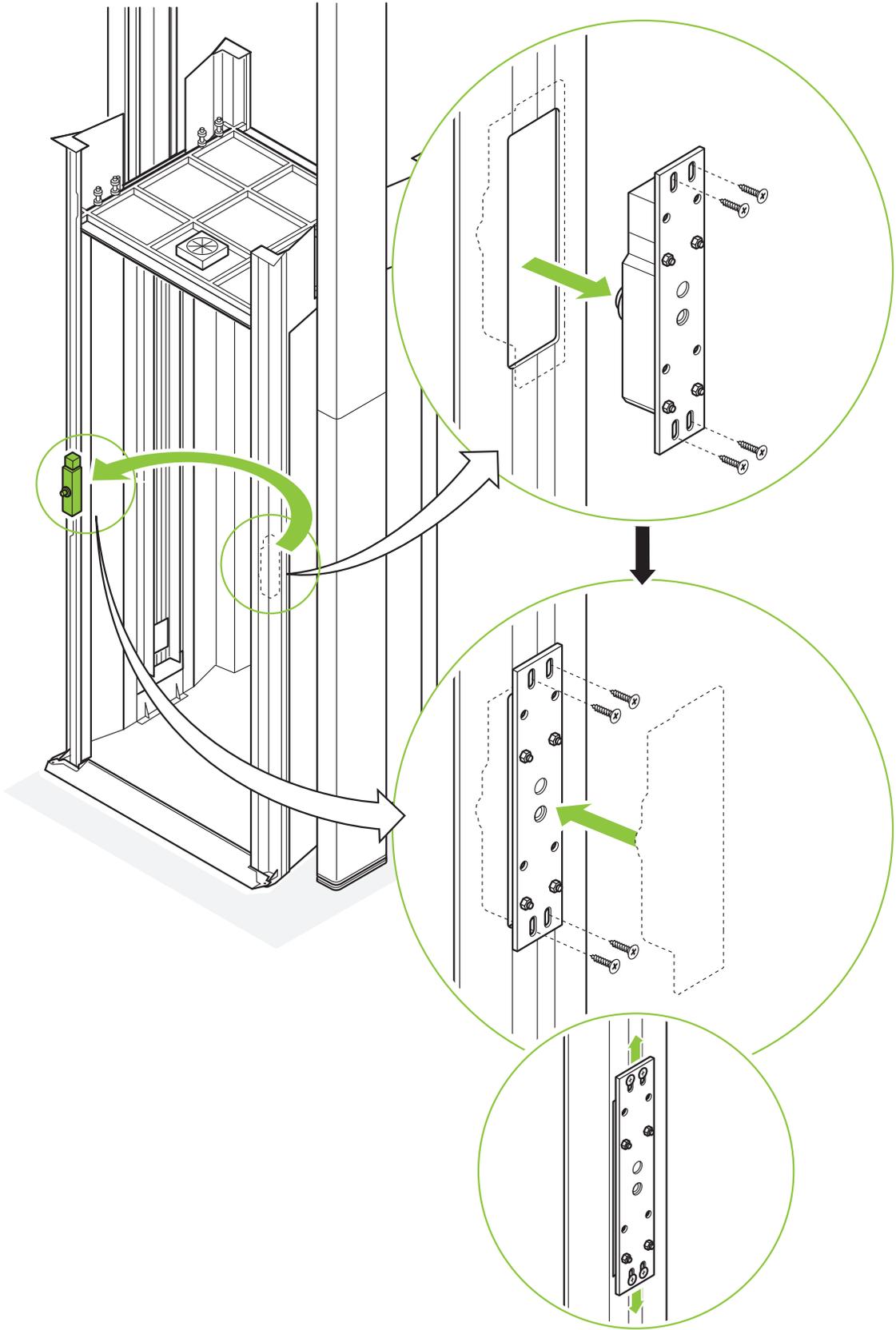
APPENDIX B: CHANGING THE DOOR SWING DIRECTION



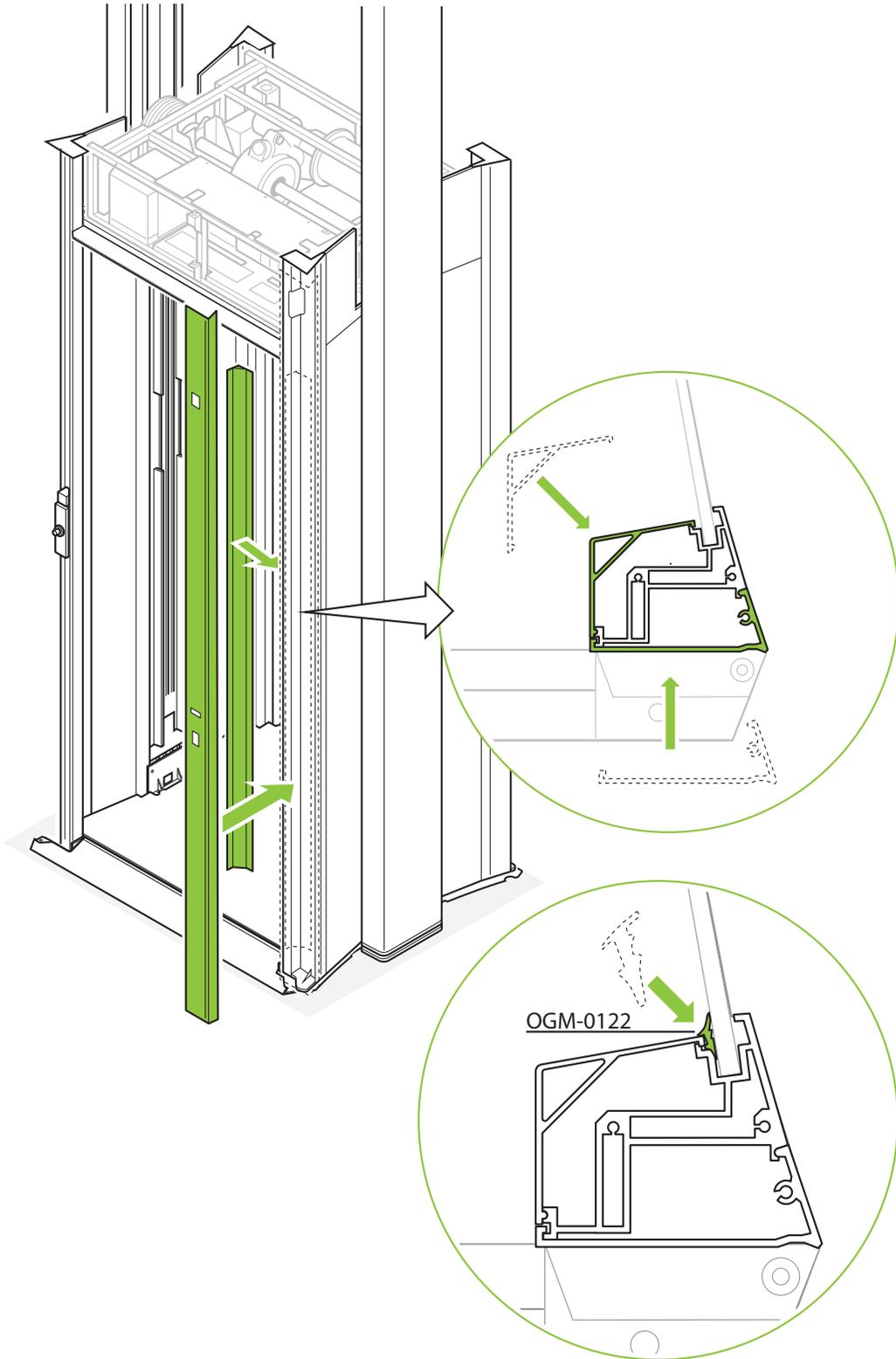
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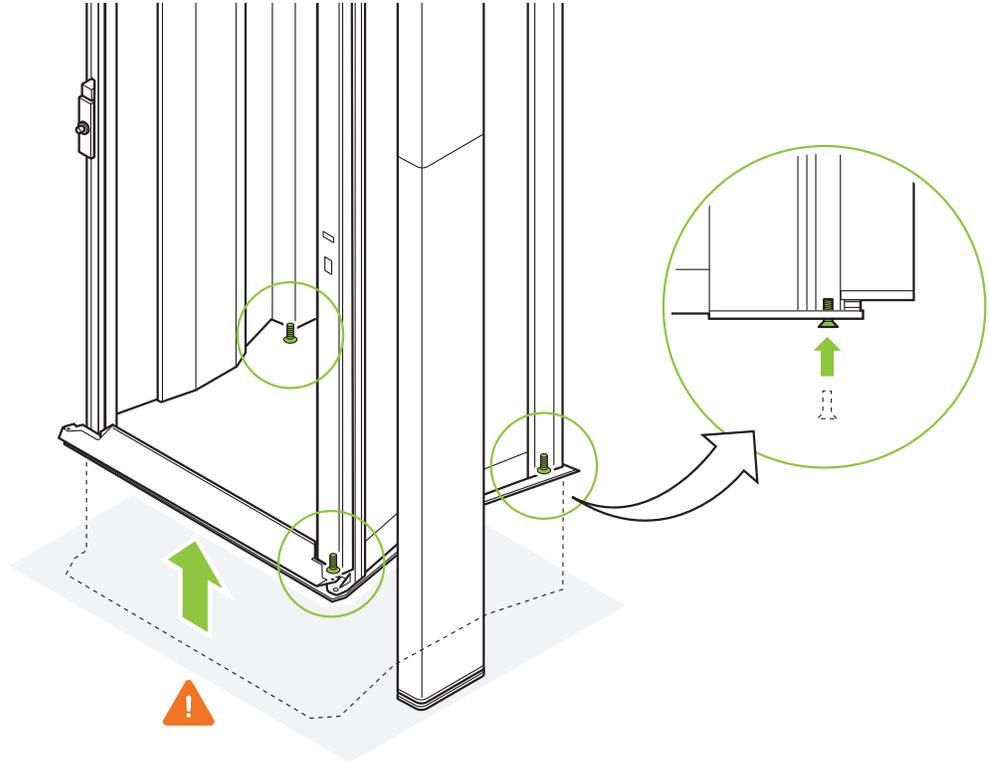
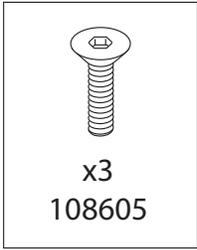


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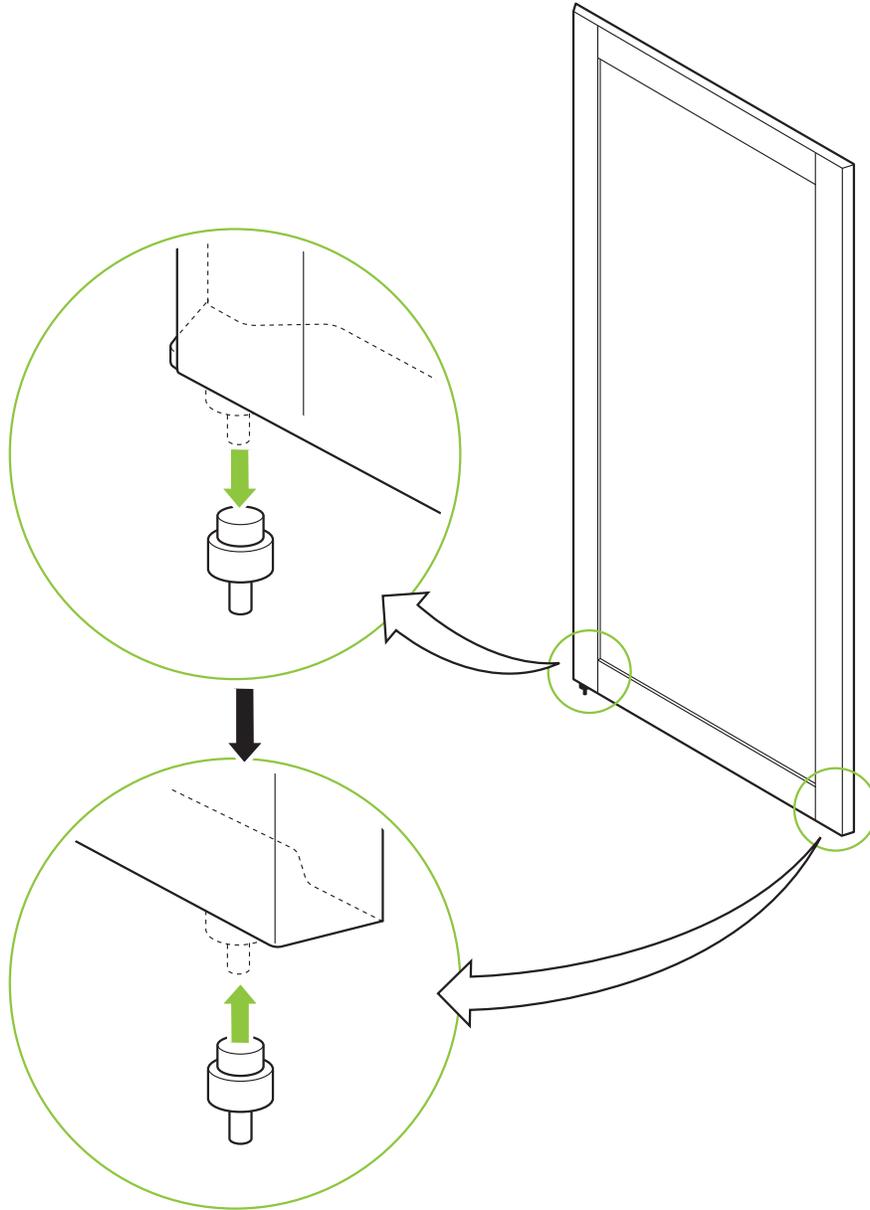


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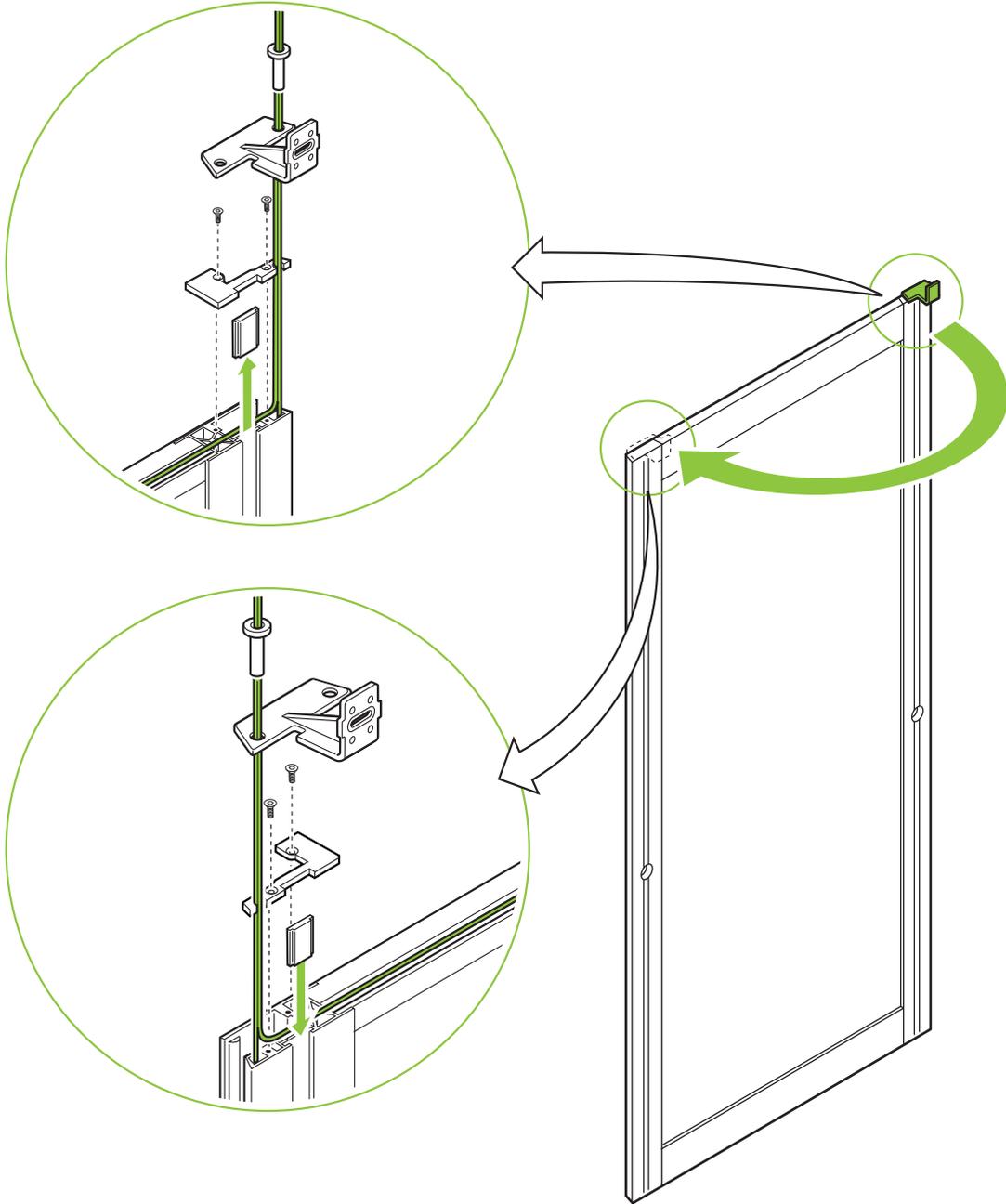




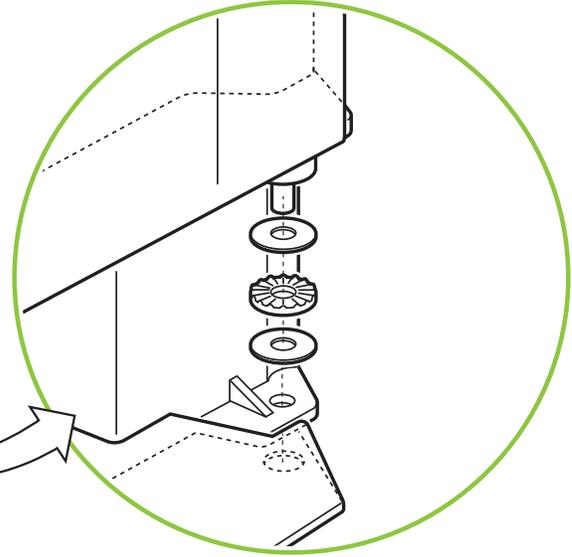
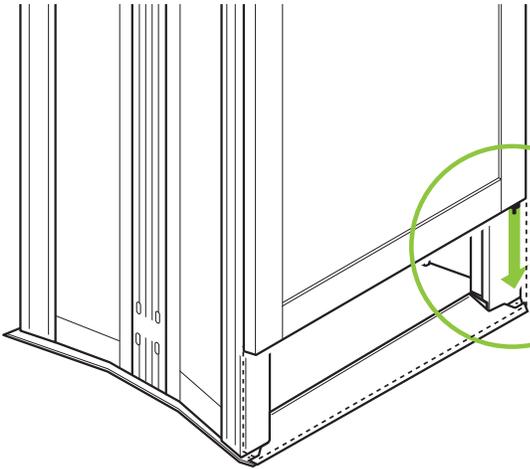
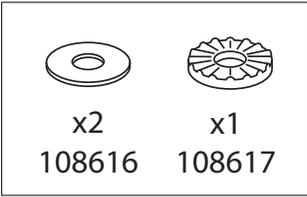
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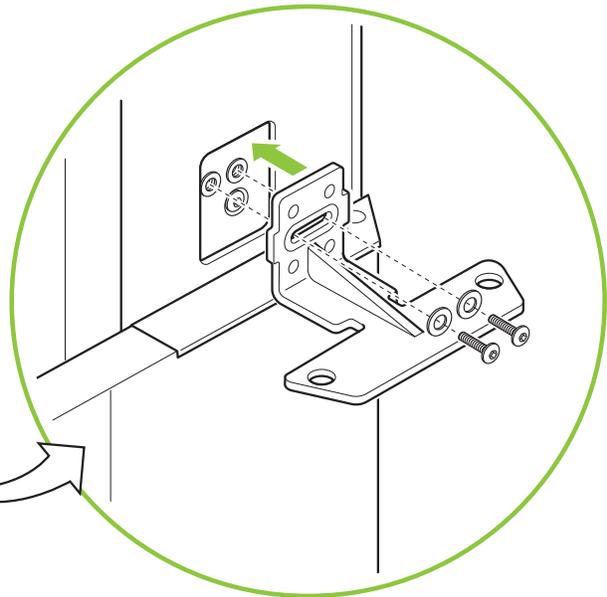
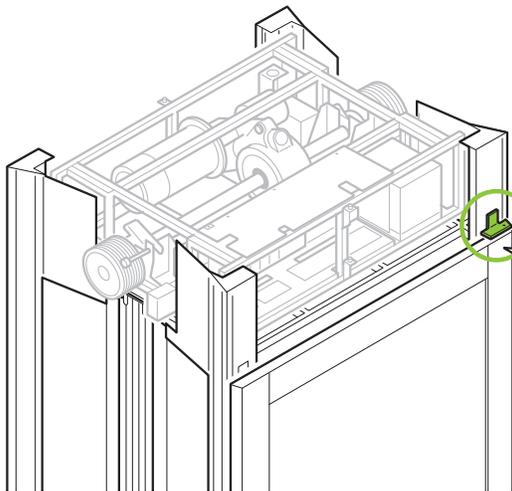
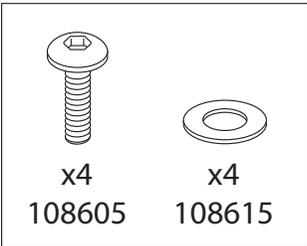
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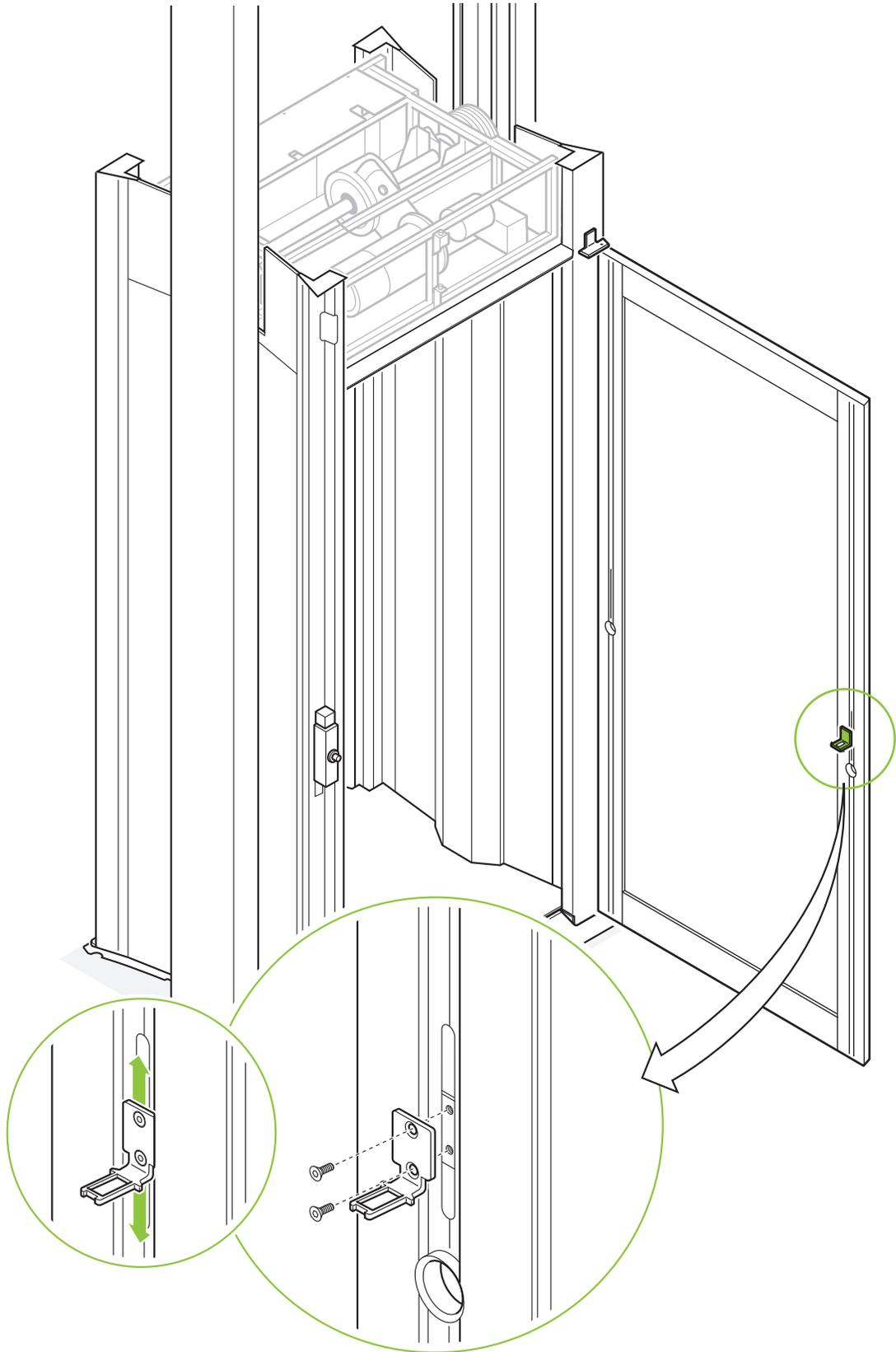
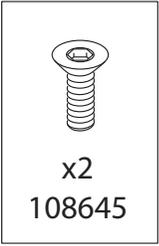
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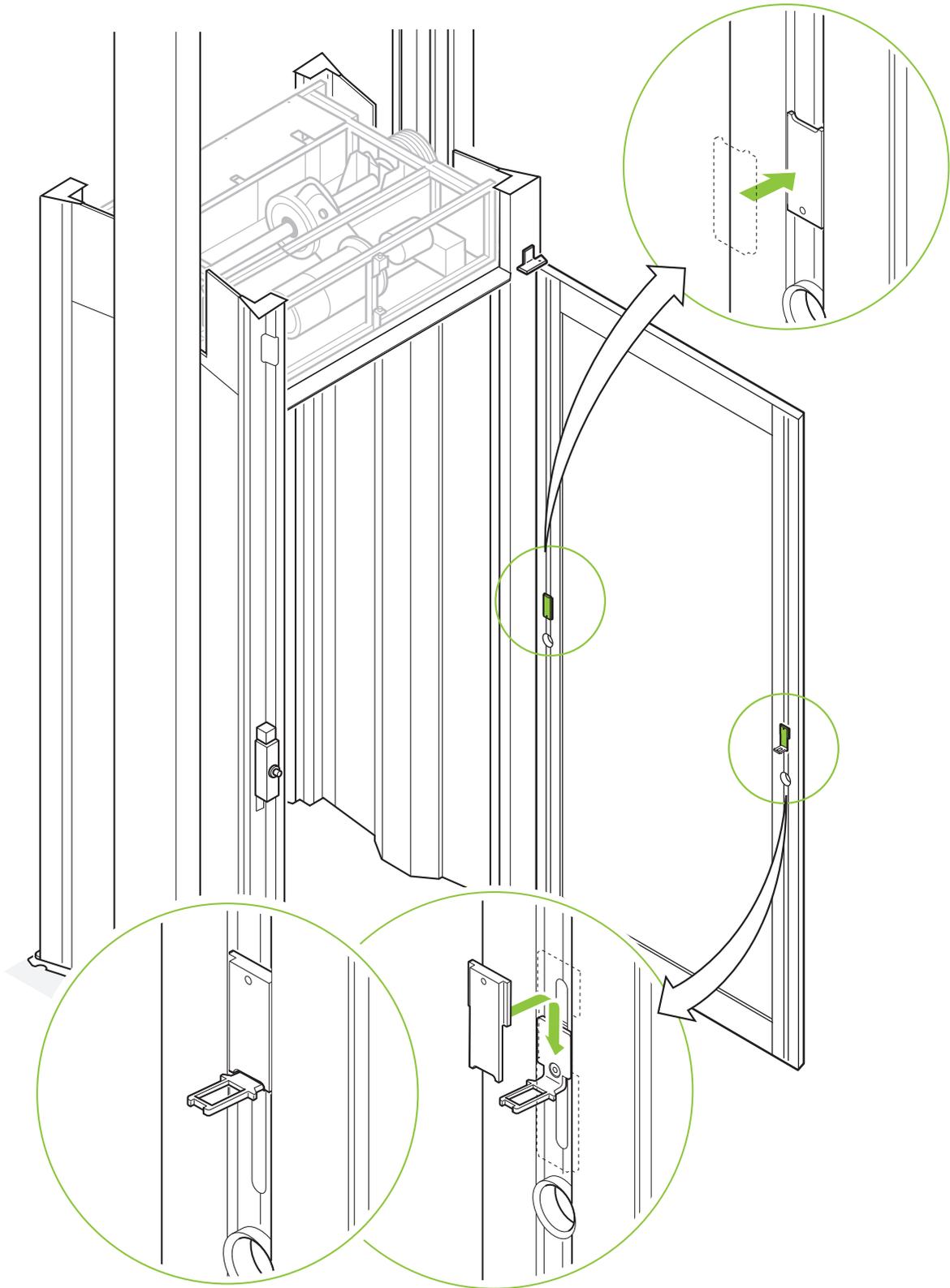
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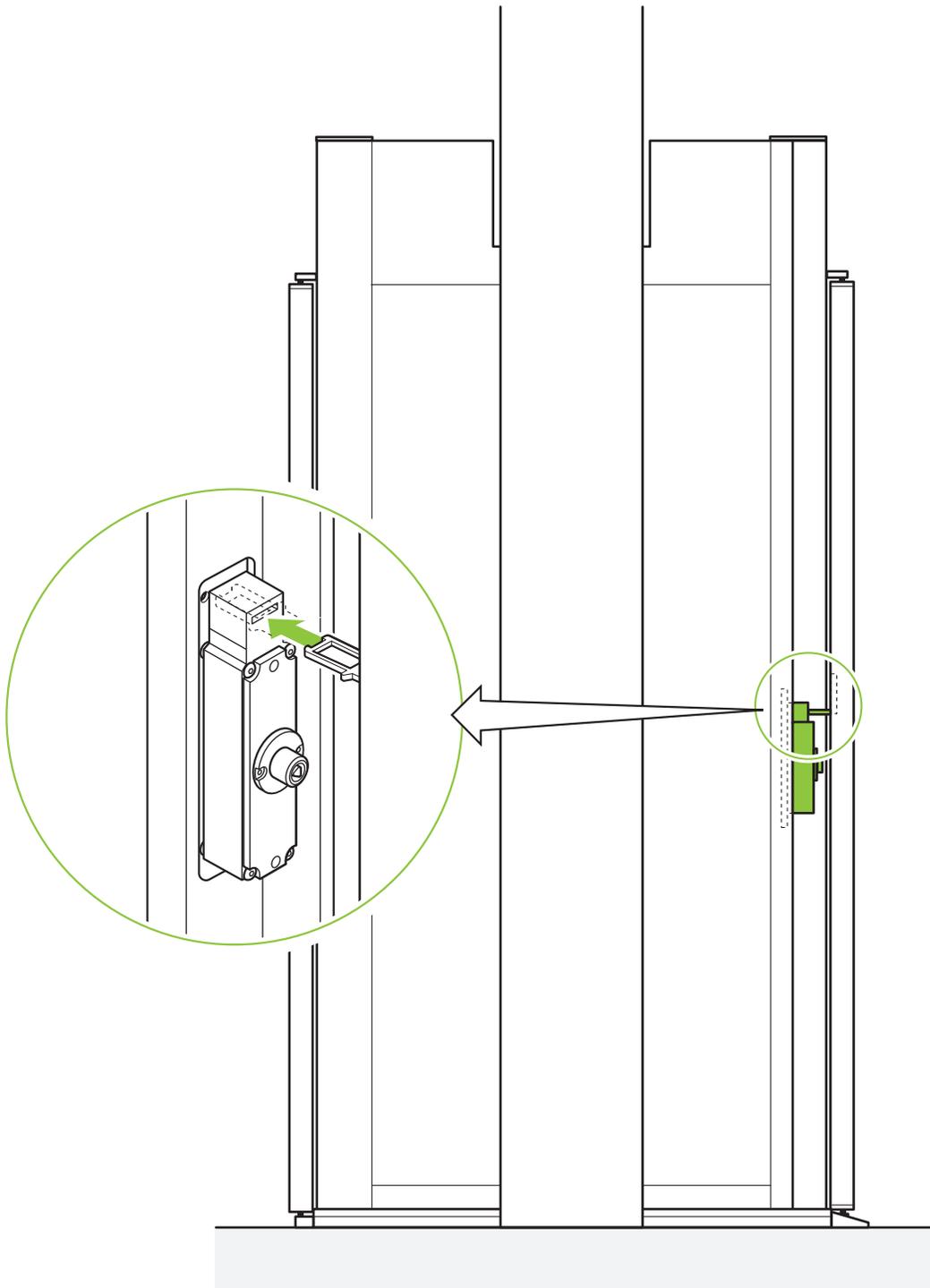
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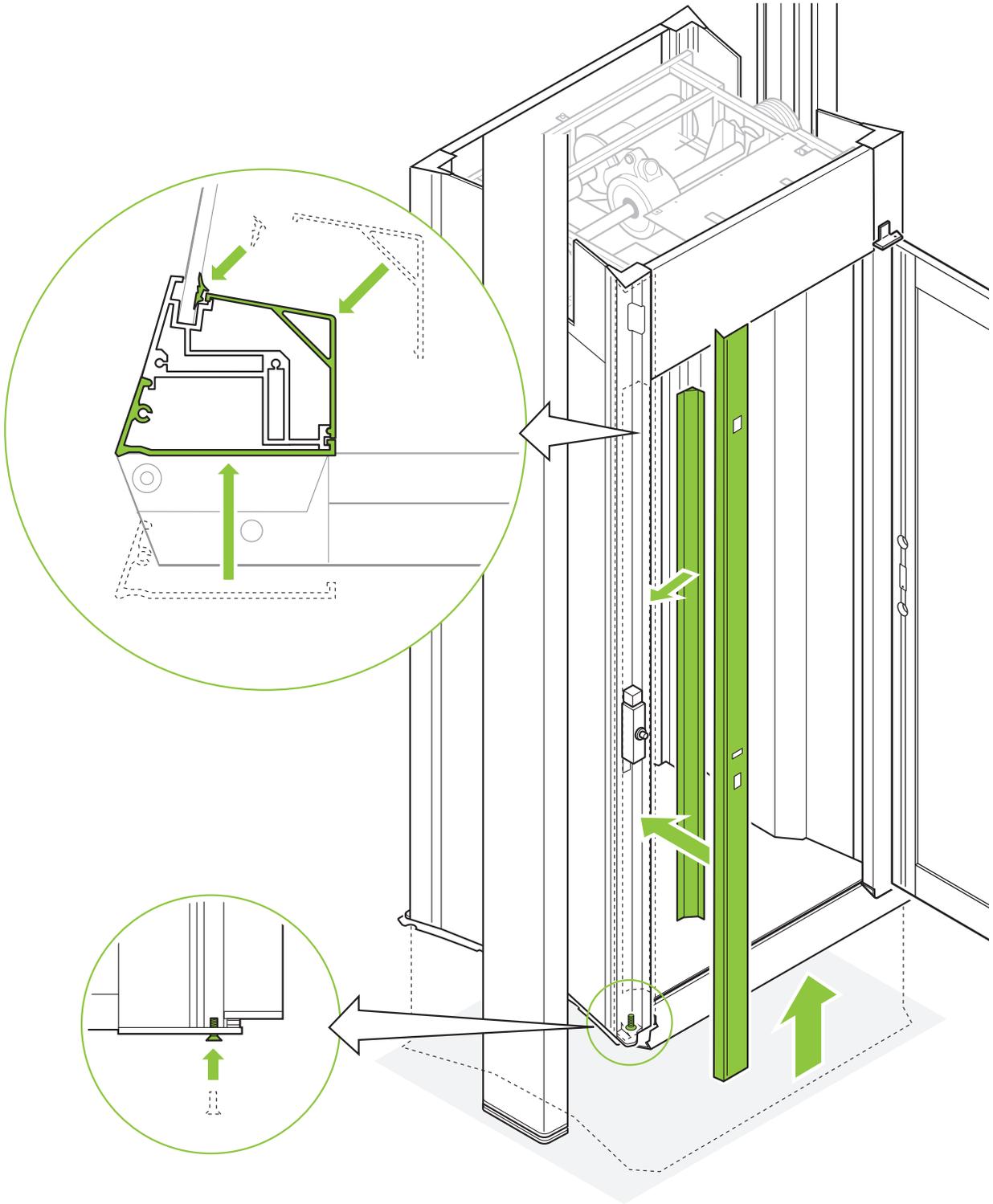
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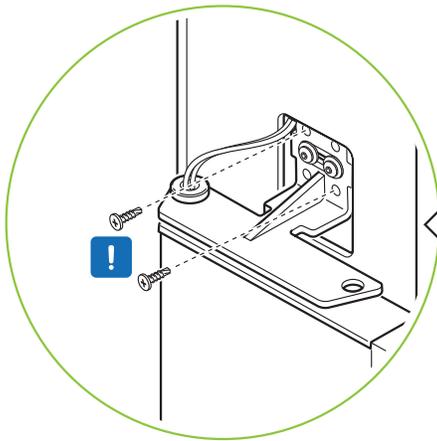
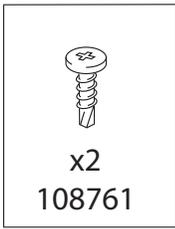
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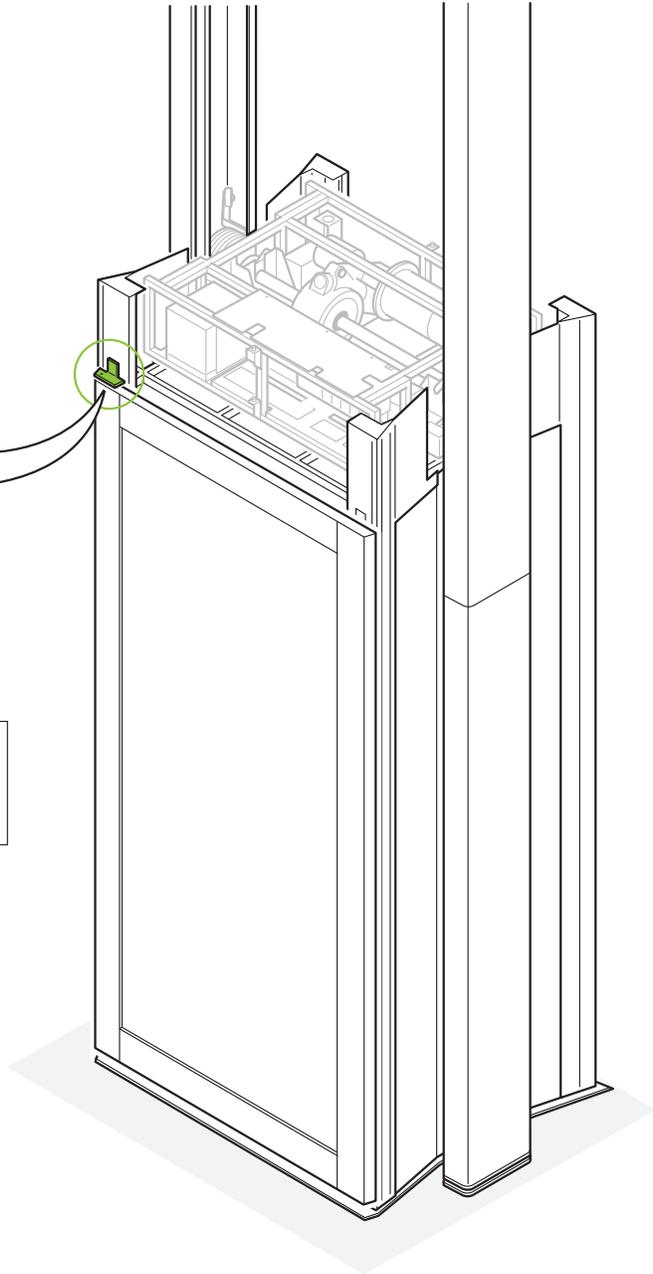
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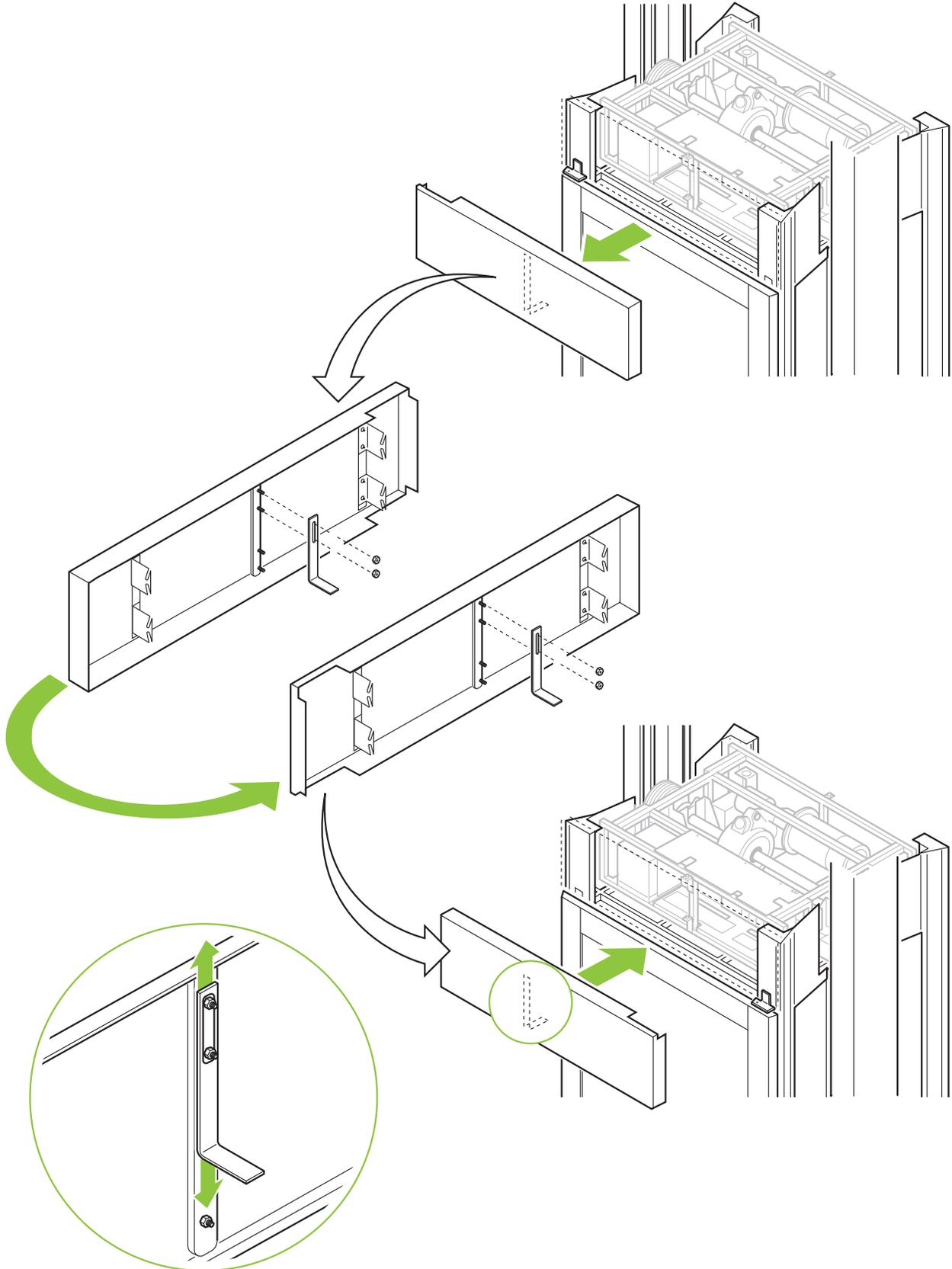
12.



 **NOTICE**
Door alignment must be finalized
before the screws can be installed.

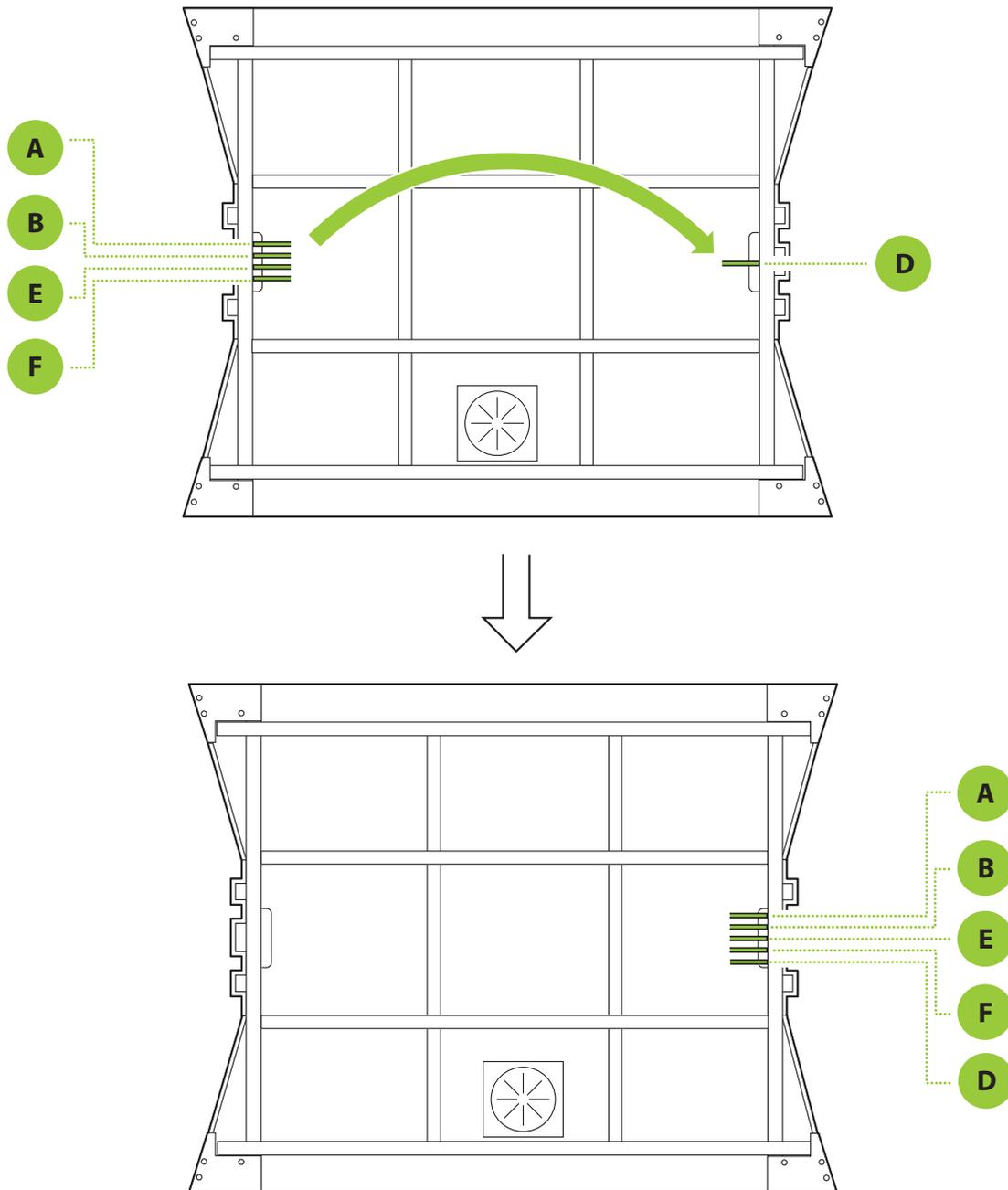


13.

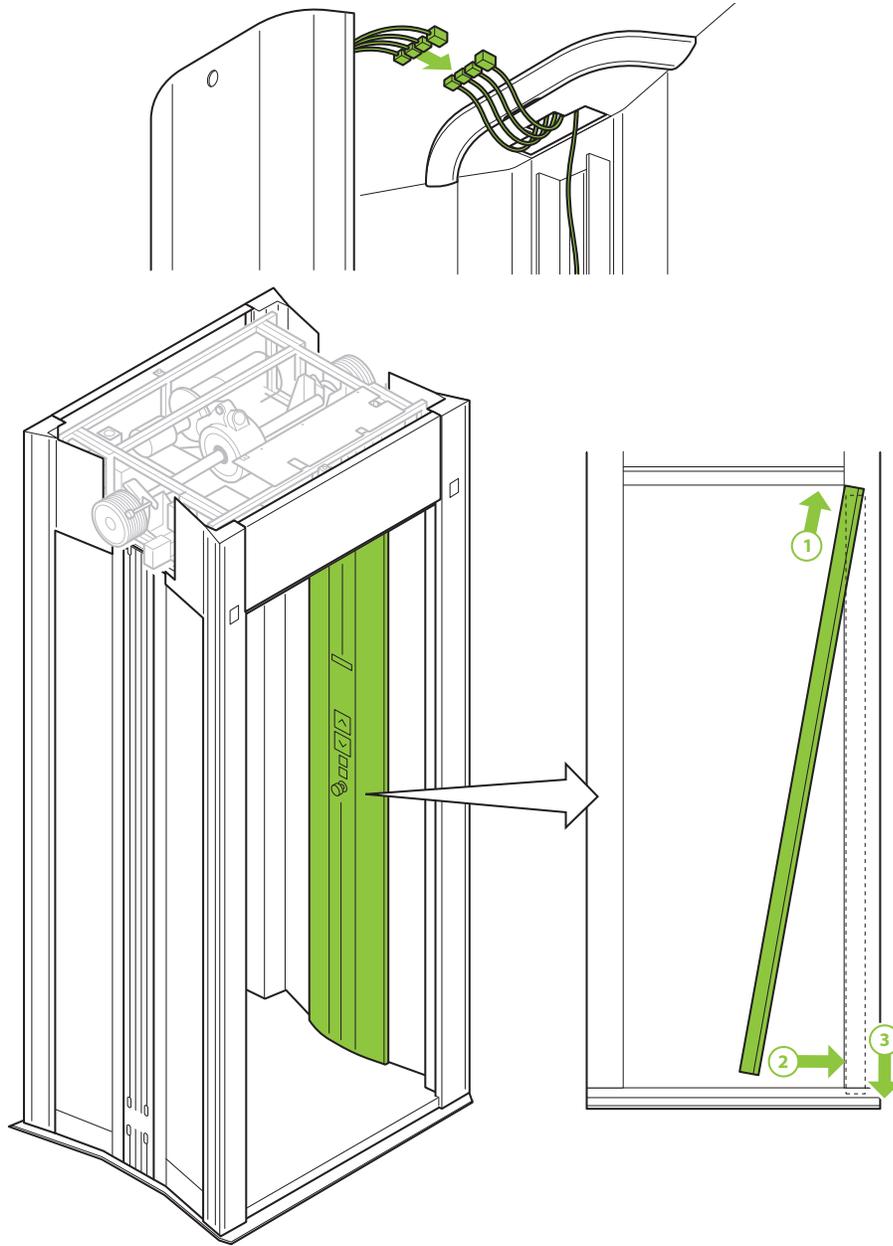


APPENDIX C: CHANGING COP SIDE

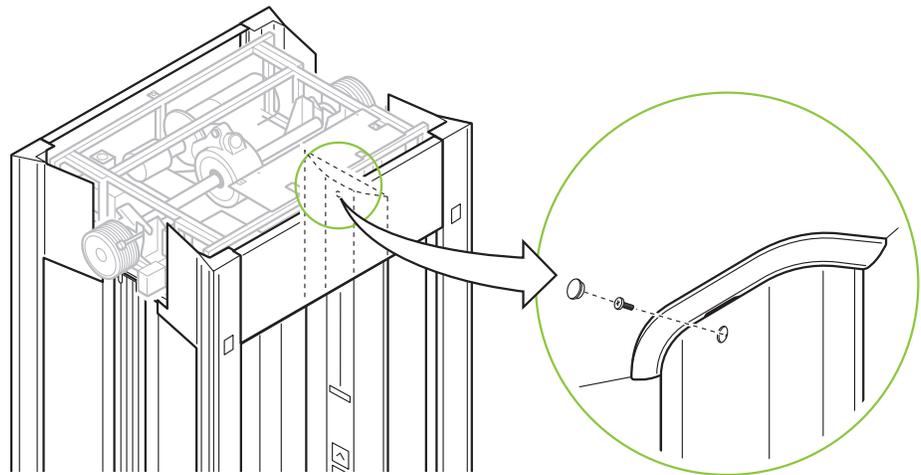
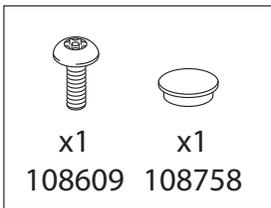
1.



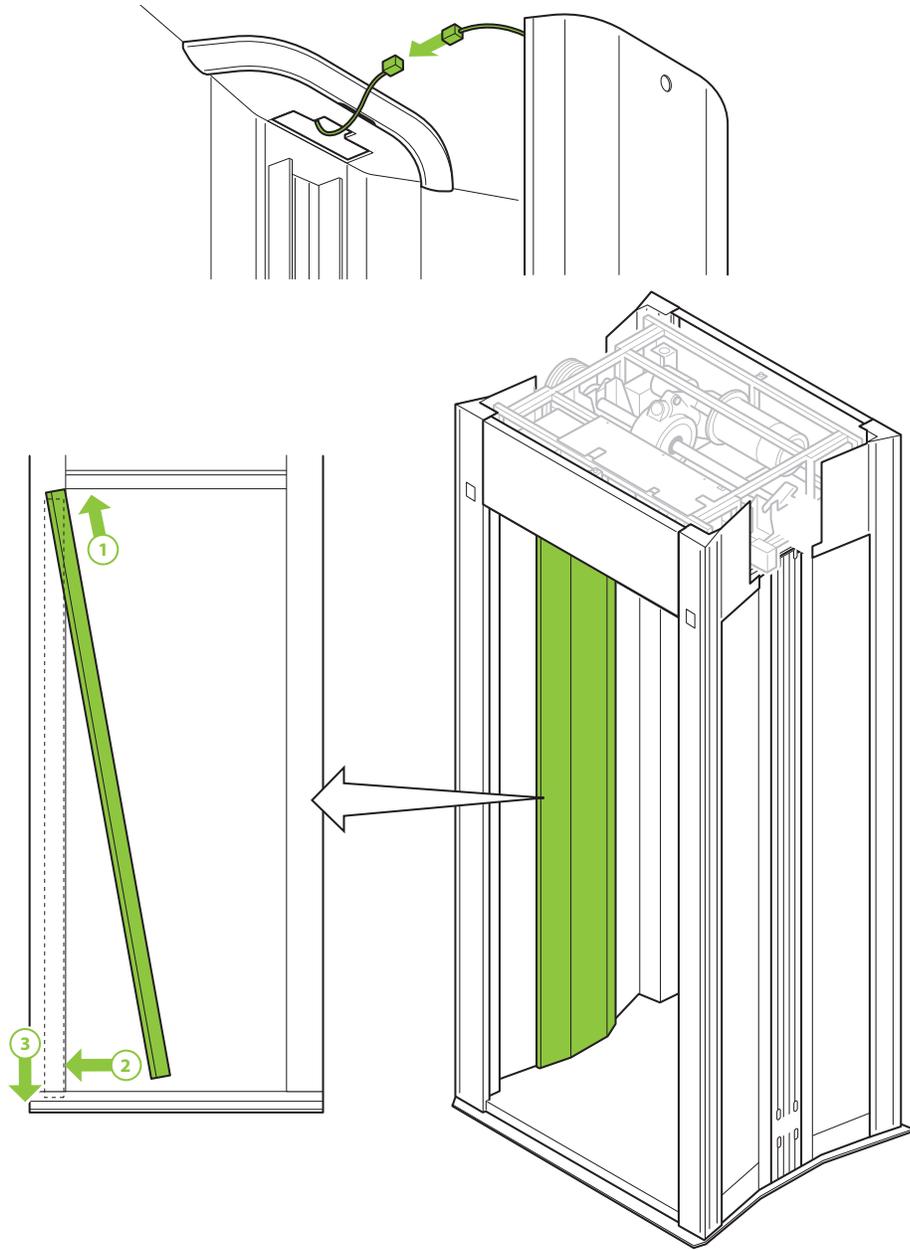
2.



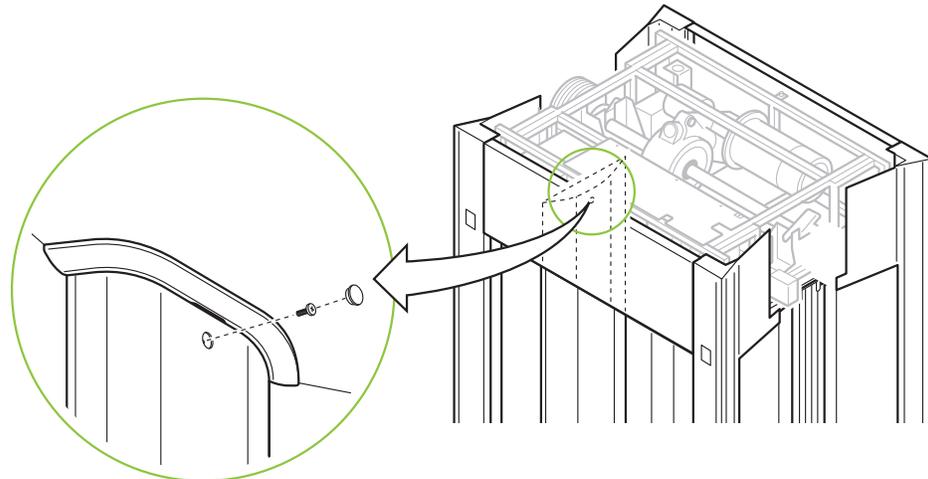
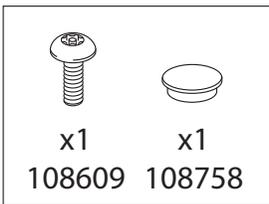
3.



4.



5.



Savaria LUMA Through-floor Lift INSTALLATION GUIDE

Part No. 001563, Rev 000

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