

NEXUS 21

TECHNOLOGY IN MOTION

Installation Manual for L-75i+

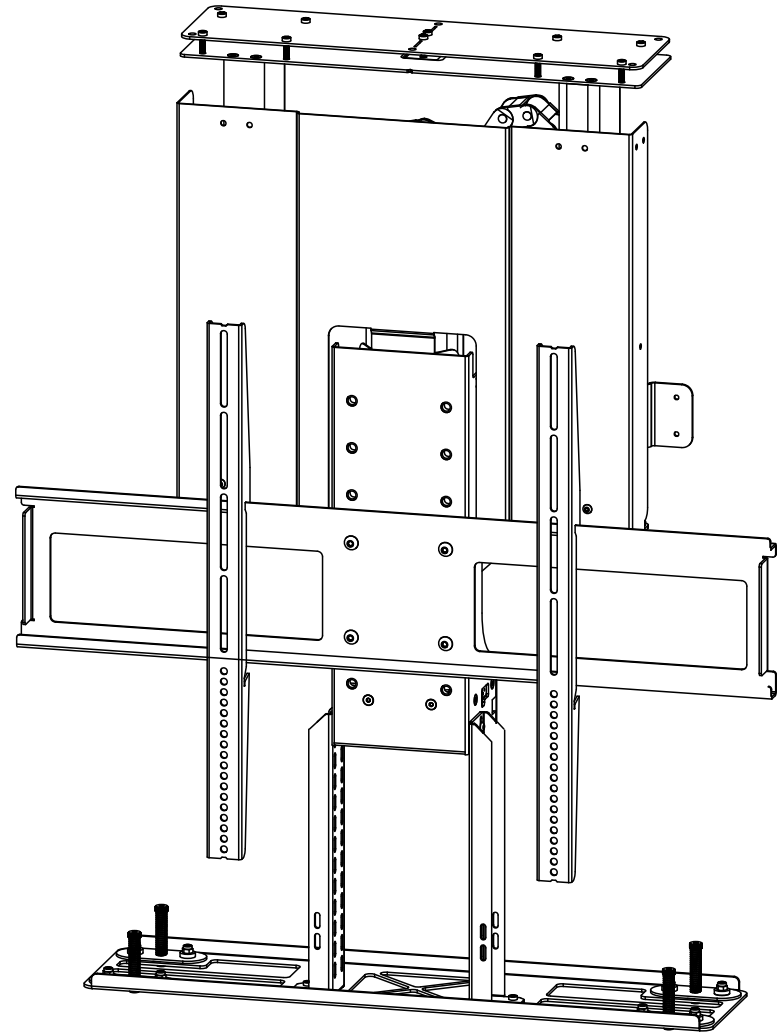


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Safety Information

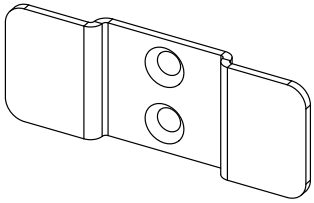
WARNINGS:

1. Do not use this product for any application other than those specified by Nexus 21.
2. Do not exceed the weight capacity. This can result in serious personal injury or damage to the equipment. It is the installer's responsibility to ensure that the total combined weight of all attached components does not exceed that of the maximum figure stated.
3. Follow all technical specifications and instructions during the installation.
4. Only use attachments/accessories specified by the manufacturer.
5. Close supervision is necessary when this system is being used by, or near, children, or disabled persons.
6. It is the responsibility of the installer to warn all potential users of the dangers of interfering with the mechanism during operation.
7. Read all technical instructions fully before installation and use. It is the installer's responsibility to ensure that all documentation is passed on to the users and read fully before operation.
8. Failure to provide adequate structural strengthening, prior to installation can result in serious personal injury or damage to the equipment.
9. Risk of electric shock. Do not attempt to open the Control Box.
10. To reduce risk of fire or electric shock, do not expose parts to rain or other liquids
11. Protect the power cord from being walked on or pinched.
12. Keep all documentation.
13. Heed all warnings.
14. Clean only with a dry cloth.
15. Refer all service questions to Nexus 21 if the system does not operate normally.

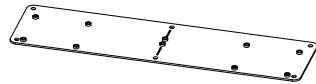
SafetyNotice: *You are about to suspend a heavy load above your ceiling. Please be aware that you are responsible for the construction and mounting of the frame which will hold the lift system and the TV. You are also responsible for making sure your frame is strong enough (must be able to support at least 1000 lbs.), and that the lift system and your frame are safely secured above your ceiling. Failure to securely mount your frame to the structure of the building, and/or failure of your frame to support the lift system, can cause severe injury and/or property damage. If you are not qualified to perform the installation of the system, or if you are not sure if you are qualified, do not attempt to install it. If you are not an experienced professional, please hire one to perform this installation.*

Disclaimer: Nexus 21 disclaims any liability for modifications, improper installations, or installations over the specified weight range. Nexus 21 will not be liable for any damages arising out of the use of, or inability to use, Nexus 21 products. Nexus 21 bears no responsibility for incidental or consequential damages. This includes, but is not limited to, any labor charges for the servicing of Nexus 21 products performed by anyone other than Nexus 21. Nexus 21 intends to make this and all documentation as accurate as possible. However, Nexus 21 makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this product. The information contained in this document is subject to change without prior notice or obligation of any kind. Nexus 21 makes no representation of warranty, expressed or implied, regarding the information contained herein. Nexus 21 assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

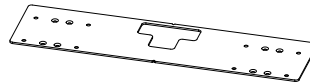
Parts List



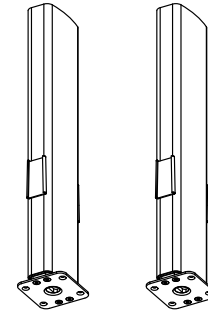
Install Hook



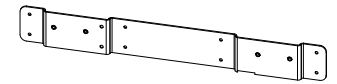
Above Enclosure Plate



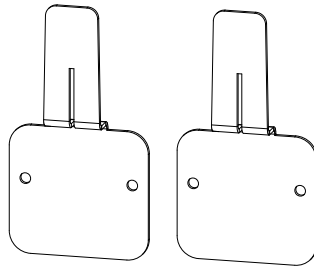
Top Beam Support



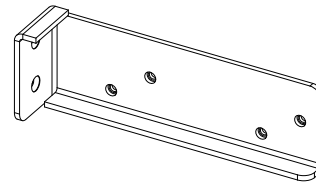
(2) Upper Column



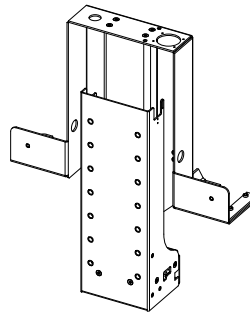
Rear Support



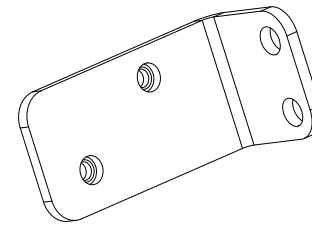
(2) Bayonet Sleeve



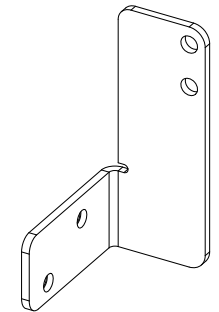
Upper Track Bracket



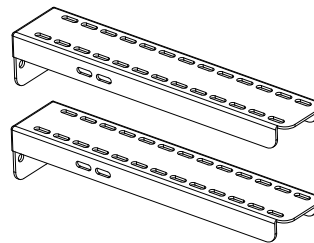
Lower Assembly



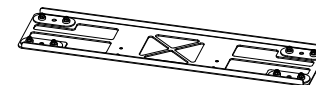
Center Track Bracket



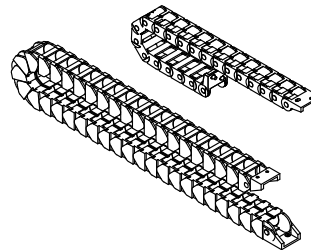
Lower Track Bracket



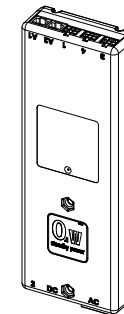
(2) Lid Support Bracket



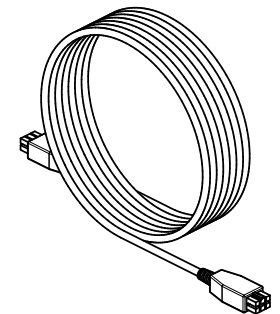
Lid Plate



Upper & Lower Cable Tracks

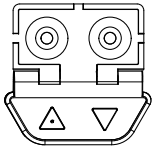


Control Box

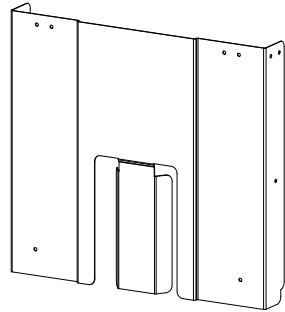


(3) 4.5m Motor Cables

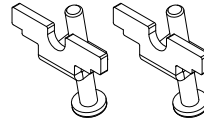
Hardware List



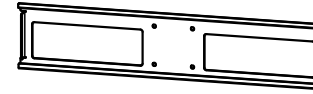
Backup Switch



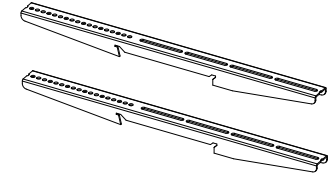
Front Cover



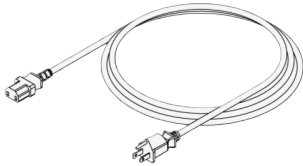
(2) Screen Locks



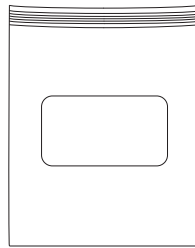
Screen Back Plate



(2) Vertical Mounting Bars



Power Cord



**Hardware Pack
(See Contents below)**

Hardware Pack Contents:

6 x 12mm FHMS (4)	6 x 16mm FHMS (16)	6 x 30mm FHMS (10)	6 x 10mm BHMS (12)	5 x 10mm BHMS (12)
3/8-16 x 3/4" BHMS (4)	#10 x 3/4" THWS (8)	#10 x 1-3/4" FHWS (2)	#8 x 3/4" FHWS (8)	#6 x 1/2" FHWS (16)
Lid Mount Disc (4)	Stabilization Mount (4)	2.5 LG Spring (4)	SHMS 5/16"-18 X 1-1/2" (4)	SHMS 5/16"-18 X 3/8" (4)
Dowel Centers (4)	Velcro Hook & Loop Strips (2)	Wire Clips (4)	Zip Ties (4)	7/32" Hex Key
4mm Hex Key	3mm Hex Key	Large Assorted Hardware Pack		

*Large Assorted Hardware Pack accommodates most TVs but additional hardware may be necessary to mount certain TVs.

10-Year Full Replacement Warranty

Nexus 21 products are manufactured to the highest standards of quality and we are proud to provide the industry's longest, most comprehensive warranty: 10 years of full-replacement coverage.*

Nexus 21's dedicated product-support specialists are ready to assist you with any questions. We ask that our specialists be consulted before any repairs or modifications are attempted, as these may void the product warranty.

How It Works:

Step 1:

If you experience any problem with a Nexus 21 system, call our Product-Support Team at 1-480-306-5462.

Step 2:

We'll guide you through some of our basic troubleshooting procedures to help identify any issues. The majority of reported issues are resolved with us on the first call without a need for replacement parts or systems.

Step 3:

In the event that you do need a replacement part or system, we'll ship it to you right away, along with a prepaid UPS return shipping label and a package for the defective part or system to be returned to our office. Nexus 21 will cover the shipping cost of the replacement part or system within the continental United States and Canada (excludes Hawaii, Alaska and Puerto Rico). Shipping costs for replacement parts or systems shipped internationally will be covered up to a value of \$50. Any additional shipping costs, including applicable duties and taxes, are the responsibility of the customer or receiving party.

The Details:

Nexus 21 warrants all systems to be free from defects in material and workmanship from the date of purchase until the end of the coverage period (shown below). The warranty includes all parts, motorized components, electronics and metal parts. If a Nexus 21 system or part proves to be defective in material or workmanship during the expressed warranty period, Nexus 21 will replace it free of charge. If the exact original purchase product is not available (due to upgraded designs or discontinuation of a model), the defective product will be replaced with a similar product of equal or greater value. The replacement will then be covered by the balance of the time remaining on the customer's original warranty. A Nexus 21 product-support representative will determine whether a part or an entire system should be replaced.

* Coverage periods for the warranty are as follows:

Residential and Hotel Use

- All Nexus 21 motorized products (except Apex): 10 years
- Apex Motorized Wall Mount: 5 years

Commercial and Educational Use

- All Nexus 21 motorized products (except Apex): 5 years
- Apex Motorized Wall Mount: 3 years

The Nexus 21 full-replacement warranty does NOT cover: any product on which the serial number has been defaced, modified or removed; damage, deterioration or malfunction resulting from accident, misuse, neglect, power surges, fire, water, lightning or other acts of nature; unauthorized product modification; failure to follow manufacturer's recommended installation instructions supplied with the Nexus 21 system; repair or attempted repair by anyone not authorized by Nexus 21; causes external to the product such as electric power fluctuations or failure; use of supplies or parts not meeting Nexus 21 specifications or any other cause which does not relate to a product defect.

PLEASE NOTE: In order for any warranty claim to be covered fully under the outlined policy we will require the name, company name or contact information for the original purchaser of the product to qualify the claim. If the information requested cannot be supplied to us or located on file, replacement parts or systems may not be covered under warranty.

Return Policy

Within 30 Days of Delivery:

Customers may return a Nexus 21 product(s) for any reason within 30 days of the date it is received for a full refund of the purchase price. Shipping charges associated with your order are not eligible for refund. To initiate a product-return request, please review the following conditions:

- The product must be unused and complete. Full or partial assembly of the product may void eligibility for return.
- The product must be returned in its original packaging to ensure it is not damaged during shipping.
- Customers must call Nexus 21 and speak with a representative to initiate a return request.
- All returns are subject to an inspection process by a member of Nexus 21 Product Support before a refund is issued.
- Please allow a minimum of 2 weeks from the date the return is received for a refund to be processed.
- Any Nexus 21 product that is received back and deemed unfit for resale or restock upon inspection due to installation or shipping damage will not be eligible for a full refund.
- Customers are responsible for shipping charges to send the product back to us.
- All returns must be processed back to the original form of payment used in the purchase of the item(s).

Nexus 21 ships each product encased in custom die-cut foam, which is purpose-engineered for vibration dampening to reduce any risks of shipping damage. It is mandated that all product returns be shipped back to Nexus 21 in their original packaging. If you do not have the original packaging, please contact Nexus 21 Product Support at 1-480-306-5462. A new set of packaging materials can be requested and the cost will be deducted from the refund amount.

After 30 Days

Returns received 30-60 days after the product has been delivered are not eligible for a full refund of the purchase price. All returns accepted back during this time frame will be subject to a **restocking fee of 25% of the original purchase price**. The following conditions apply to any returns received within this stated timeframe:

- The product must be unused and complete. Full or partial assembly of the product may void eligibility for return.
- The product must be returned in its original packaging to ensure it is not damaged during shipping.
- Customers must call Nexus 21 and speak with a representative to initiate a return request.
- All returns are subject to an inspection process by a member of Nexus 21 Product Support before a refund is issued.
- Please allow a minimum of 2 weeks from the date the return is received for a refund to be processed.
- Any Nexus 21 product that is received back and deemed unfit for resale or restock upon inspection due to installation or shipping damage will not be eligible for a full refund.
- Customers are responsible for shipping charges to send the product back to us.
- All returns must be processed back to the original form of payment used in the purchase of the item(s).

Nexus 21 ships each product encased in custom die-cut foam, which is purpose-engineered for vibration dampening to reduce any risks of shipping damage. It is mandated that all product returns be shipped back to Nexus 21 in their original packaging. If you do not have the original packaging, please contact Nexus 21 Product Support at 1-480-306-5462. A new set of packaging materials can be requested and the cost will be deducted from the refund amount.

Nexus 21 will not accept return requests past 60 days of the product being delivered.

To initiate a Return follow the steps listed below:

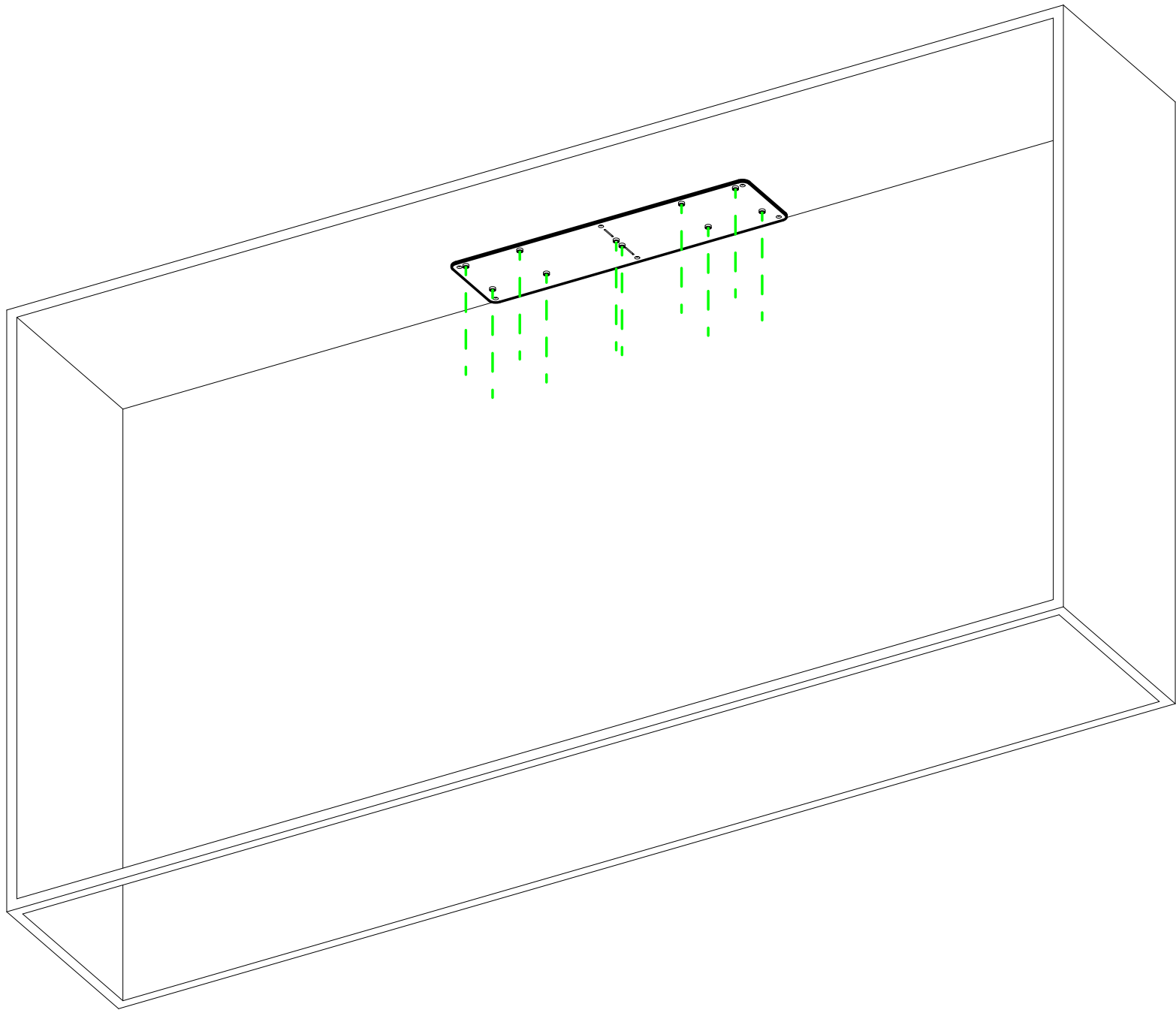
Step 1: Call 1-888-981-9919 and request to return your product(s).

Step 2: Your Account Manager will provide you with a link to a form for you to fill out digitally.

Step 3: Arrange shipment of the product to our office. Emailing the tracking information to support@nexus21.com can expedite the process.

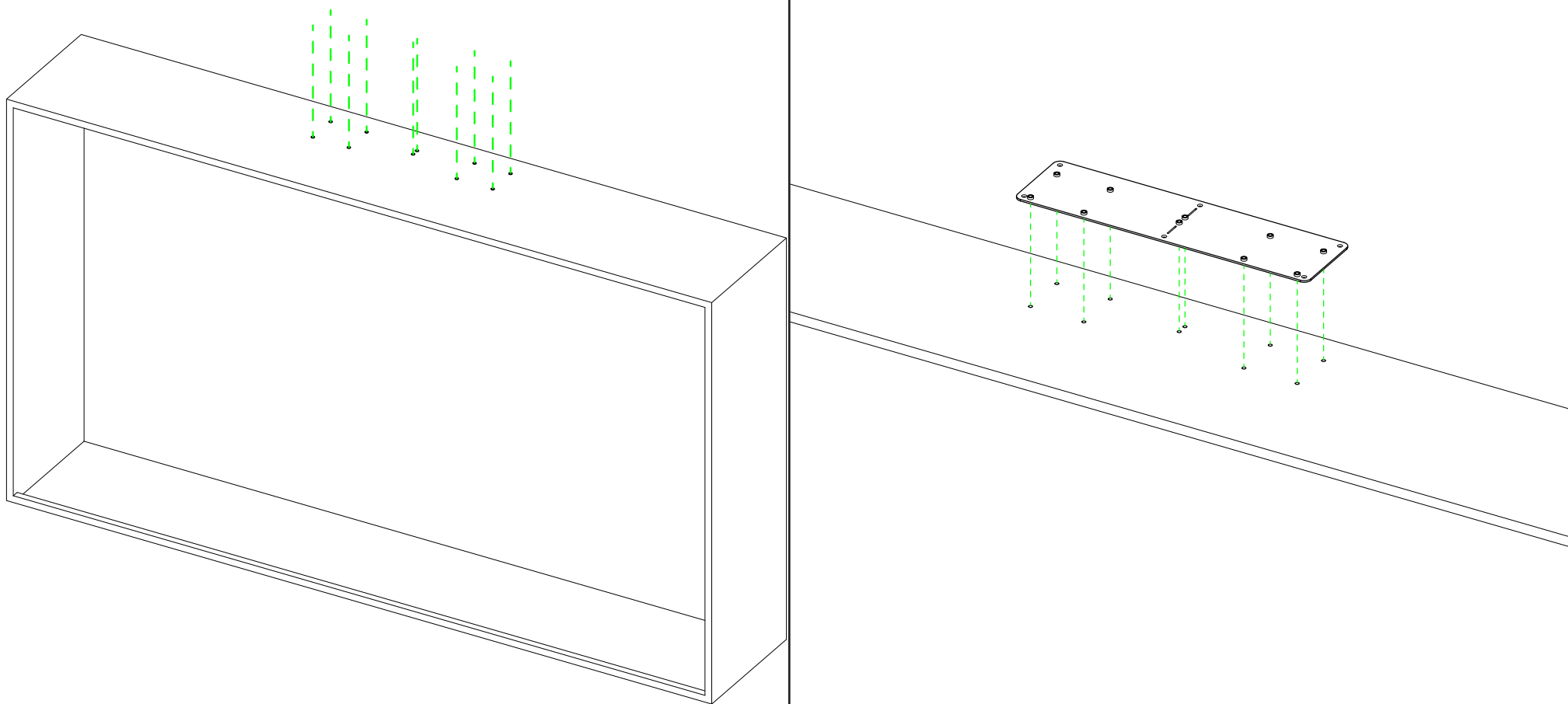
Once your product is received, please allow up to 2 weeks for us to inspect and process your return. You will receive a confirmation email indicating that your return has been successfully processed. Refunds may take 5 - 10 business days depending on your issuing bank.

Pre-Installation

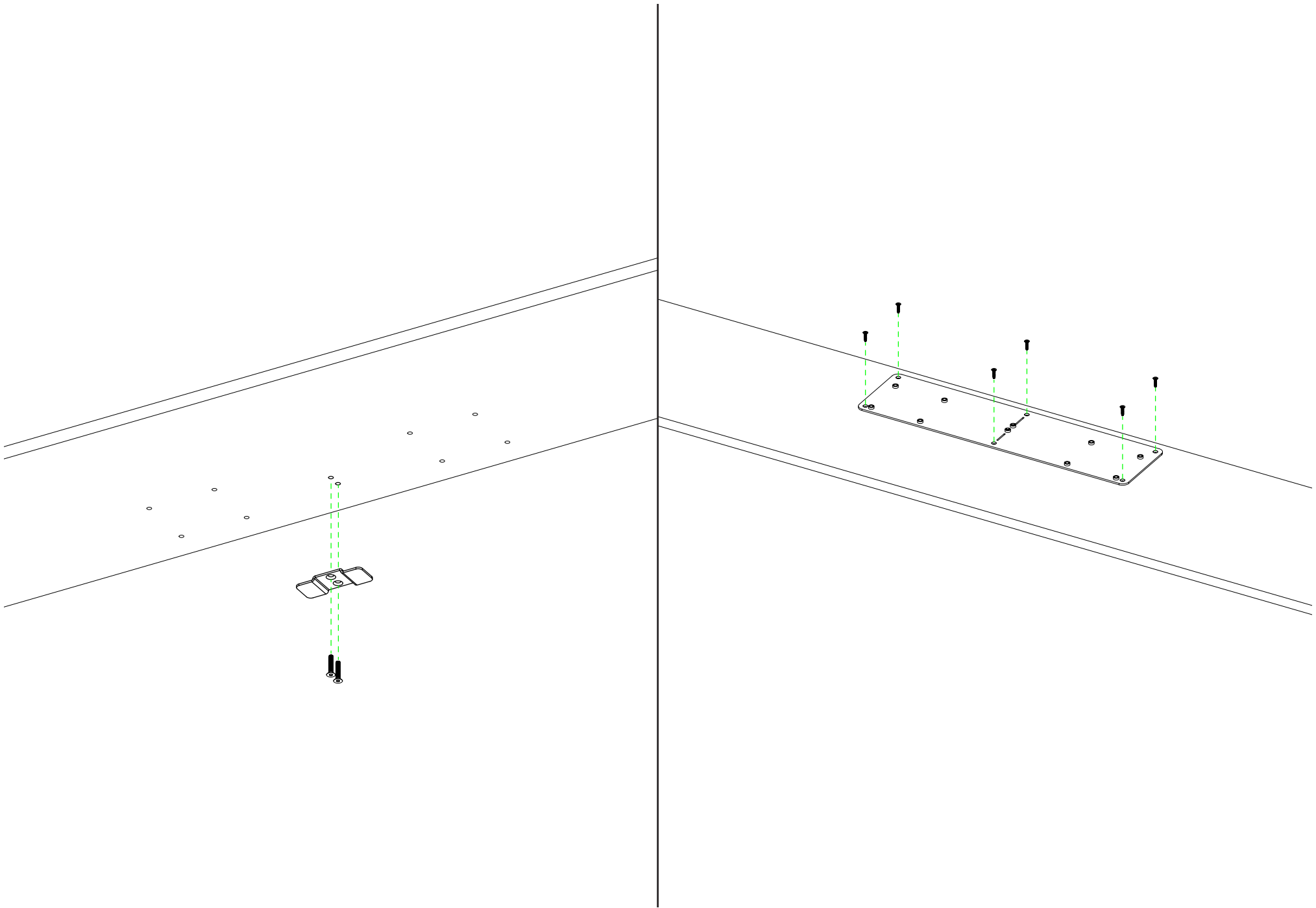


1a. Place the Above Enclosure Plate inside, flush, and centered against the rear panel of your enclosure with the edge labeled “Front” facing you.

1b. Mark and drill pilot holes for the holes shown in the image.



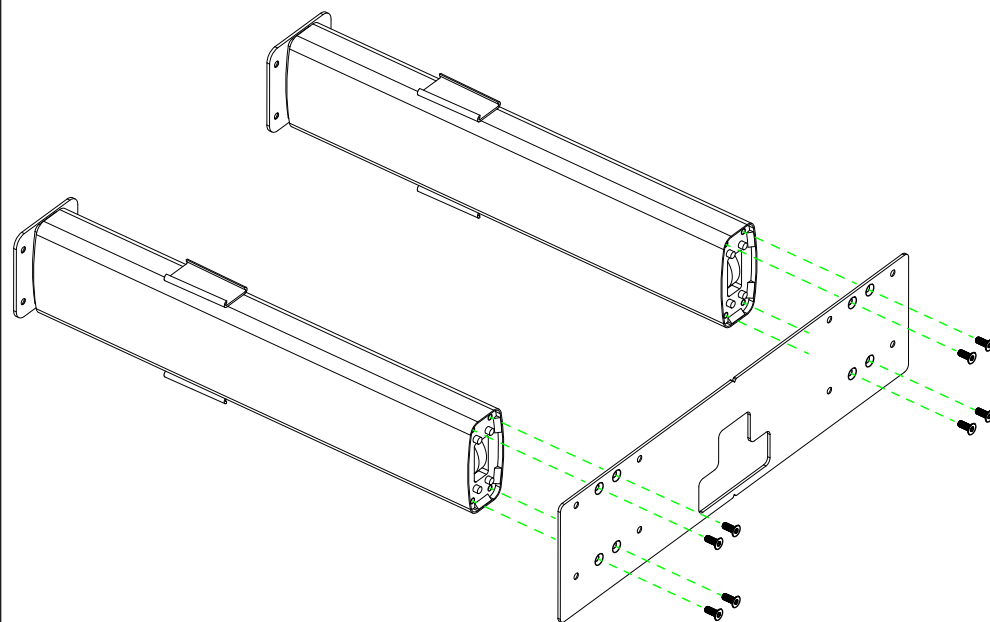
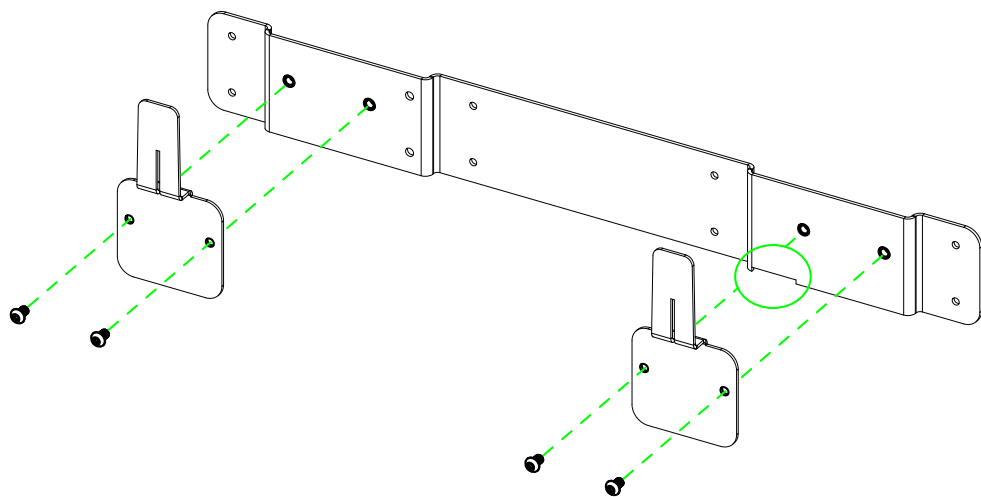
- 2.** Drill the piloted holes out with $\frac{1}{4}$ " Drill Bit; Be sure to center the drill on the piloted holes. If the holes are slightly misaligned, redrill them with a $\frac{5}{16}$ " bit.
- 3.** Place the Above Enclosure Plate on the top of the enclosure and align it with the holes you just drilled; Ensure the "Front" label is facing up.



4. Return to the inside of your enclosure, align the Install Hook with the two holes in the center, then fasten it to your enclosure using (2) 6 x 30 FHMS

5. Fasten the Above Enclosure Plate to the top of the Enclosure using (6) #8 x $\frac{3}{4}$ " FHWS.

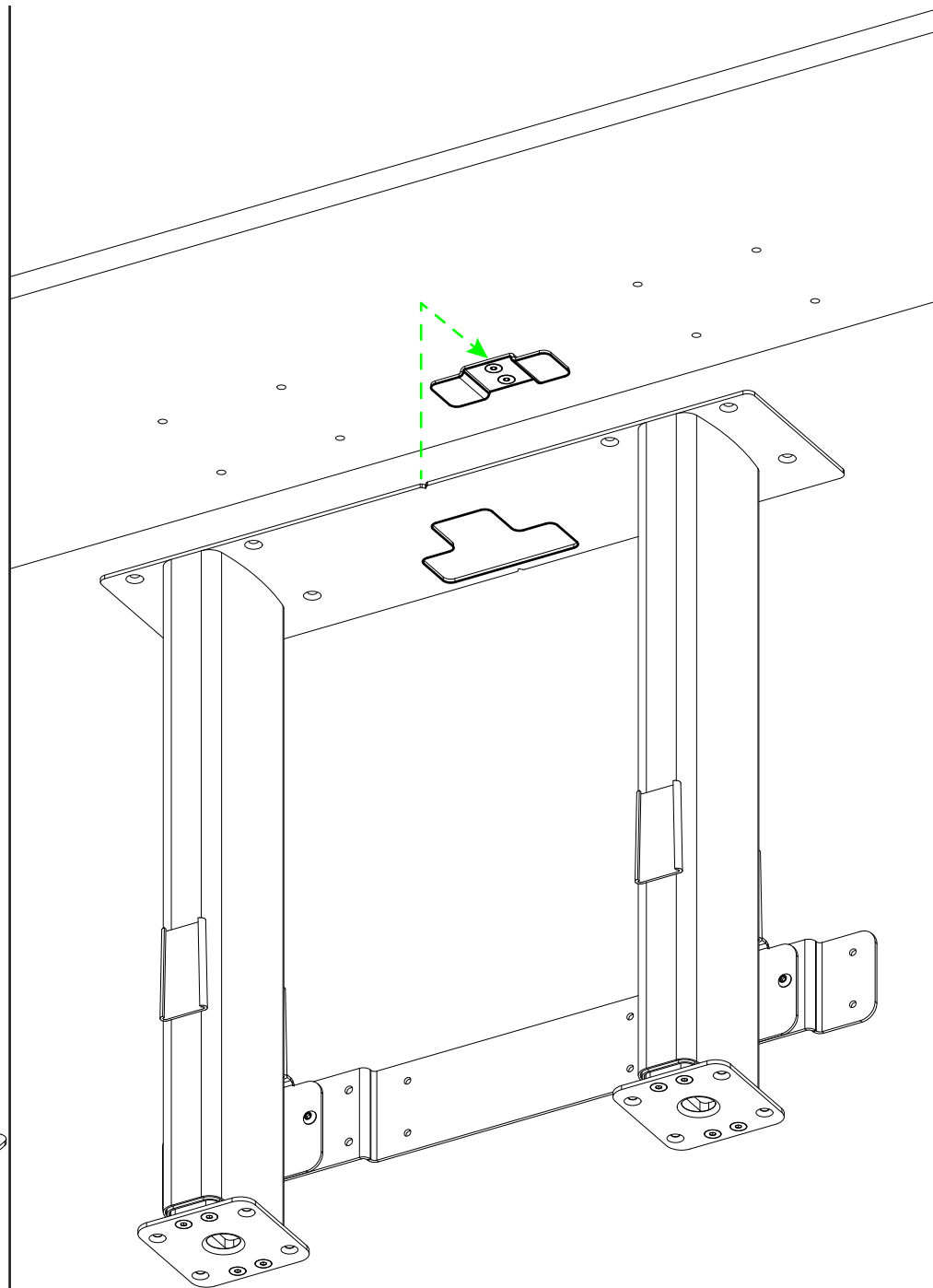
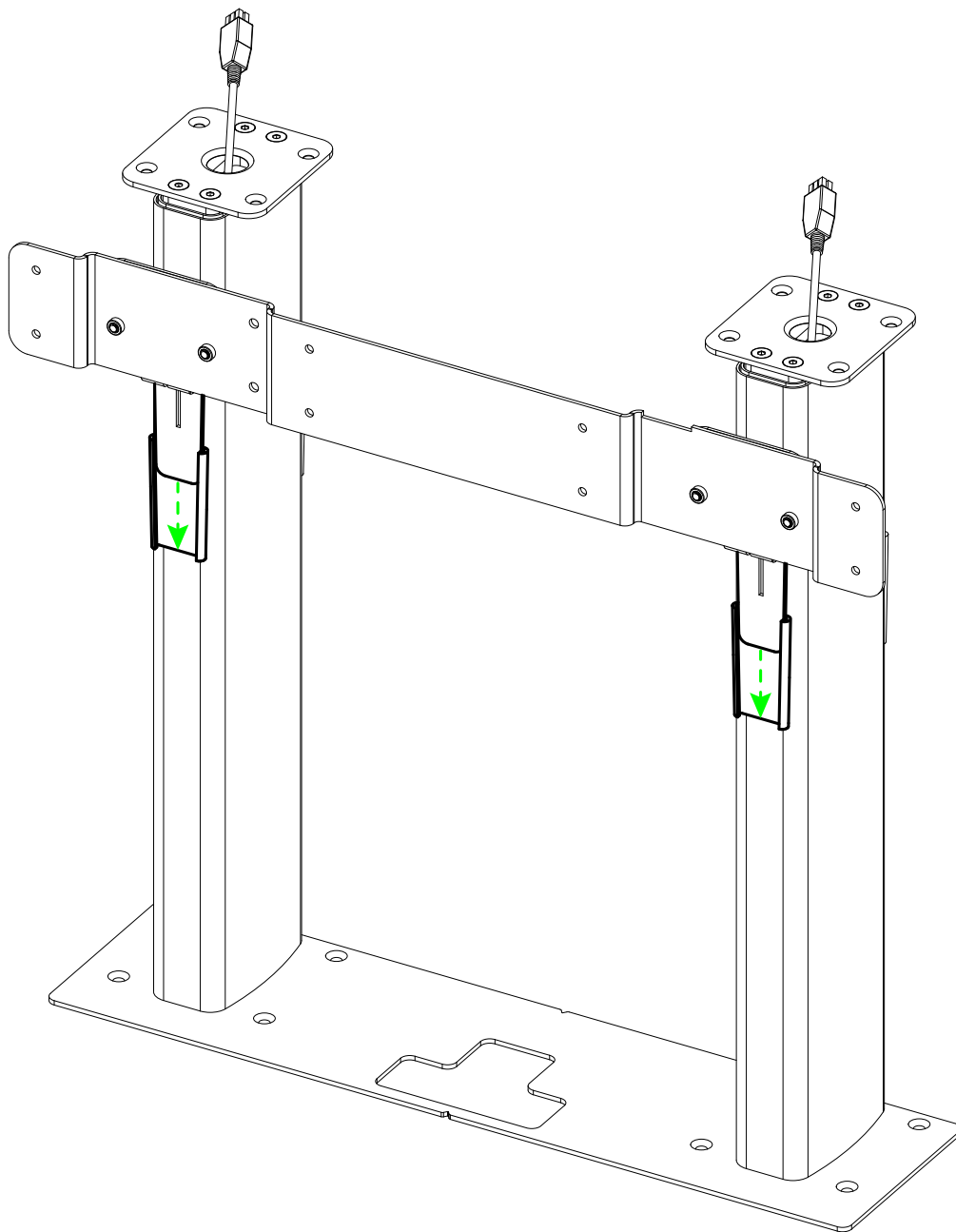
Upper Assembly



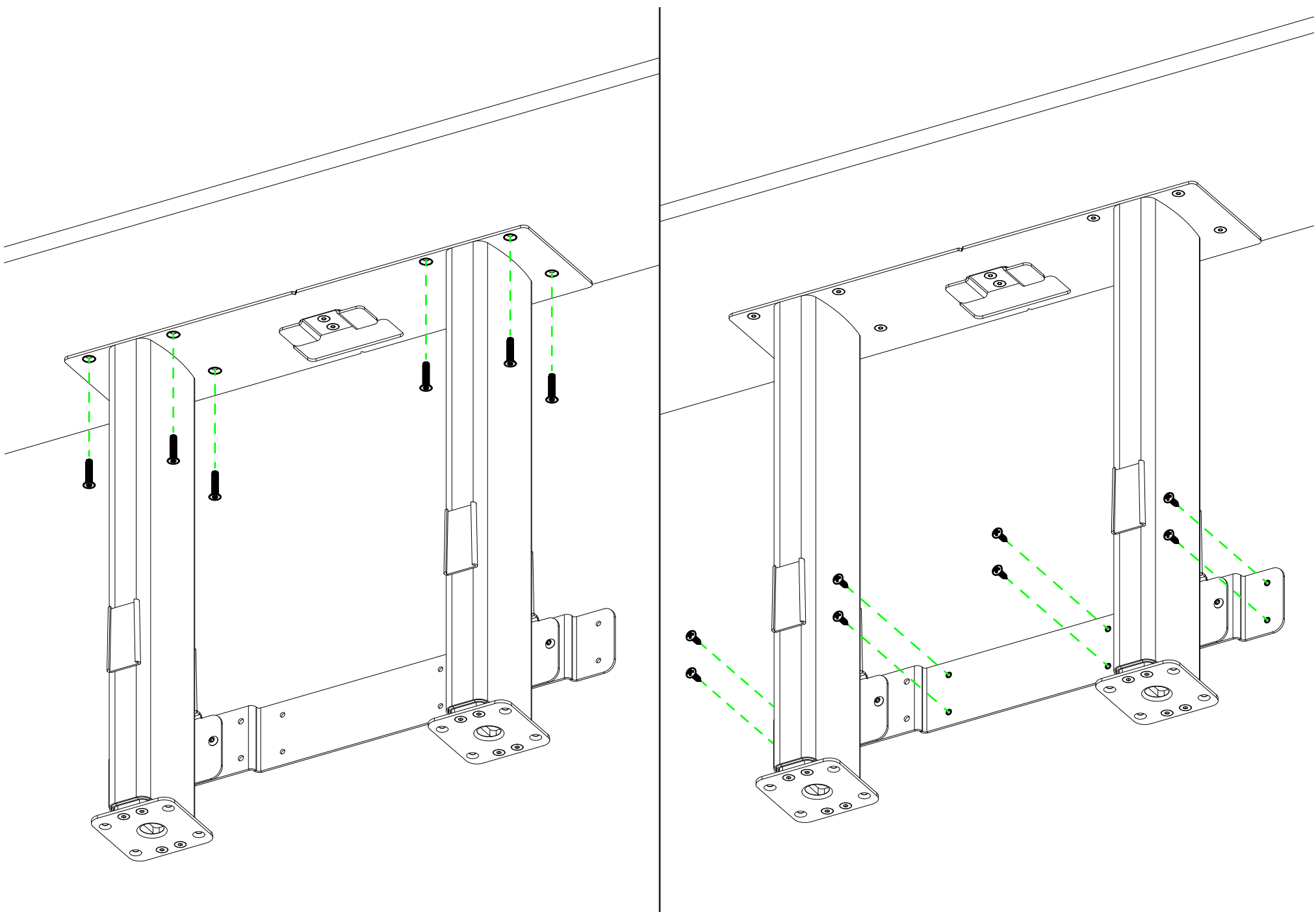
6. Fasten each Bayonet Sleeve to the Rear Support using (4) 6 x 10 BHMS.

Note: Use the Notch circled in the image above to ensure proper orientation of the Rear Support and Bayonet Sleeves.

7. Fasten the Top Beam Support to the top of the Column Assemblies using (8) 6 x 16 FHMS.

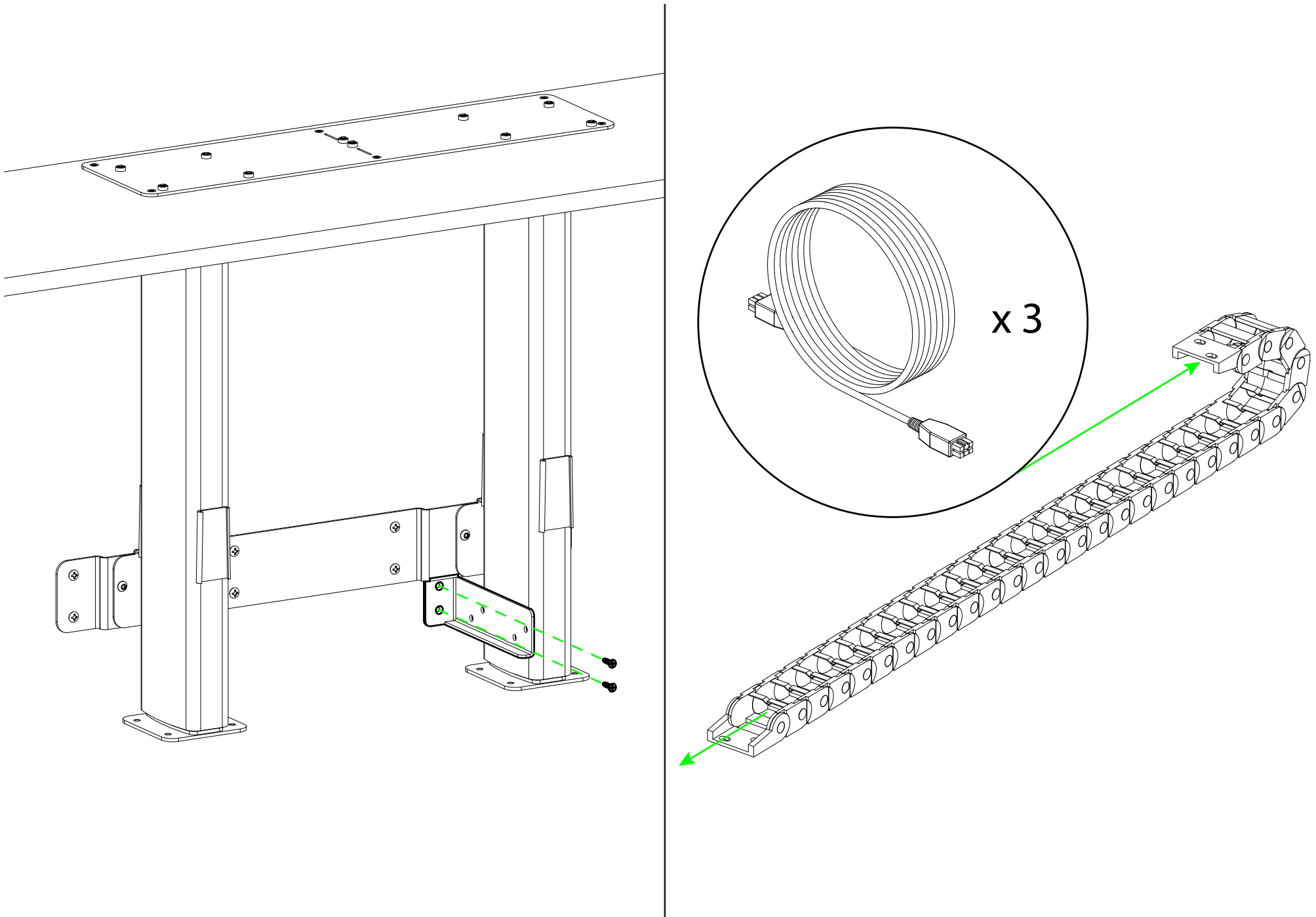


- 8.** Slide and tap the tongue on the Bayonet Sleeves up into the metal sleeves on Column Assemblies A & B.
- 9.** Align the slot on the Top Beam Support with the Install Hook inside your enclosure, then push it up and back to hang it.



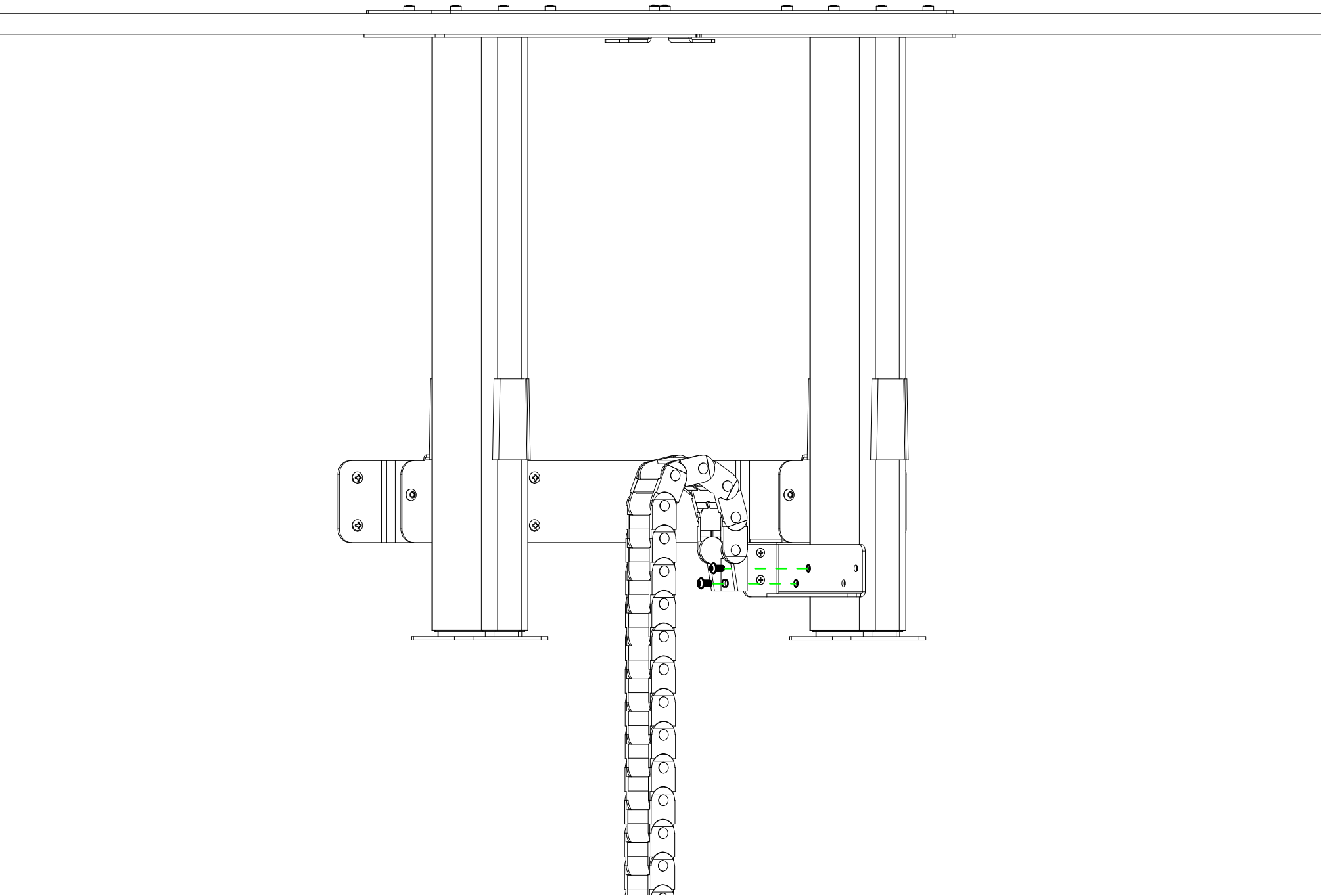
10. Fasten the Top Beam Support to the Above Enclosure Plate using (8) 6 x 30 FHMS.

11. Fasten the Rear Support to the rear panel of your enclosure using (8) #10 x 3/4" THWS.



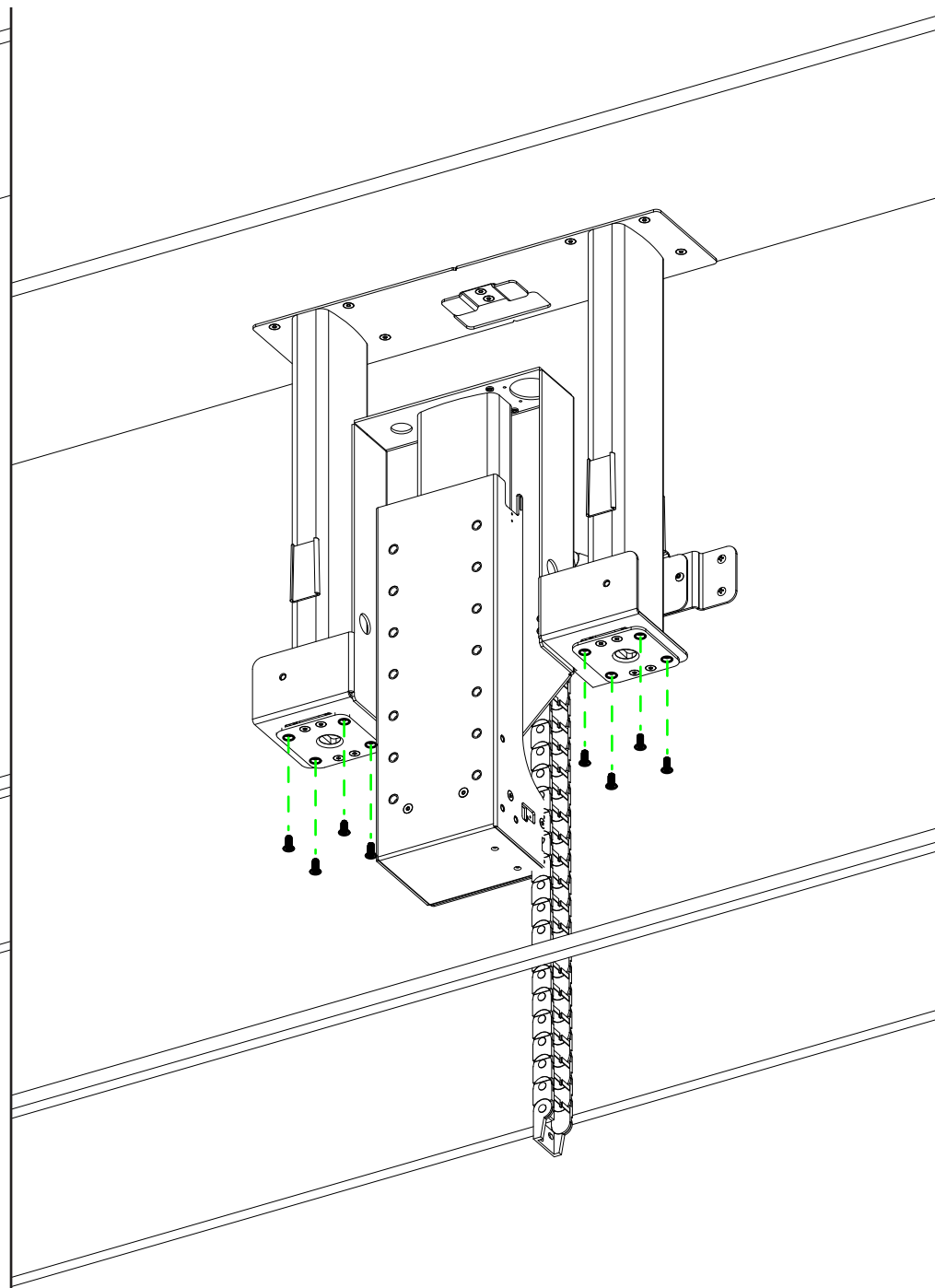
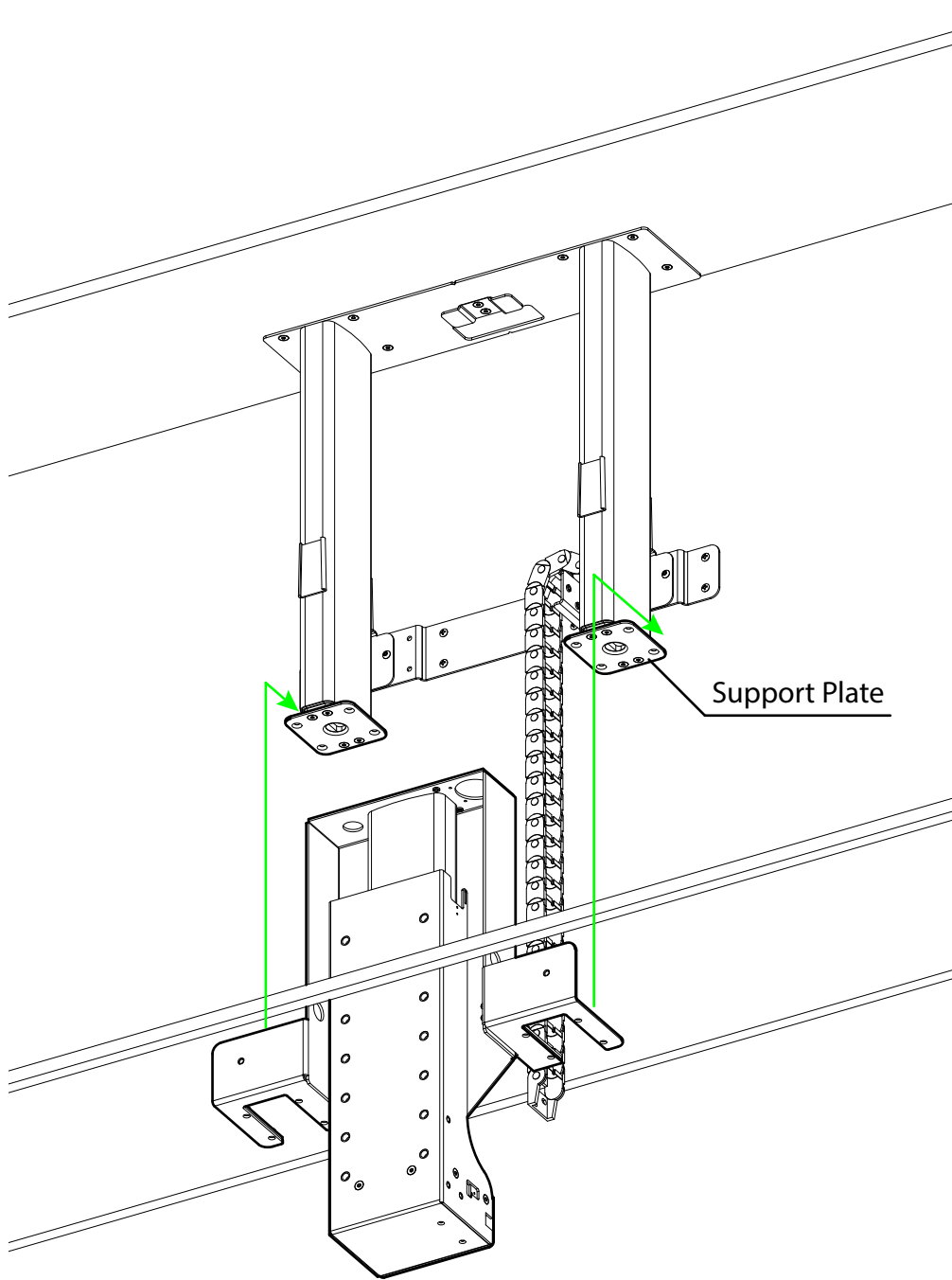
12. Place the Upper Cable Track Bracket within the notch on the Rear Support then fasten it to your enclosure using (2) #8 x $\frac{3}{4}$ " FHWS.

13. Feed (3) 4.5m Motor Cables and any AV Cables through the shorter of the two Cable Tracks, leaving Slack on both ends of the track.



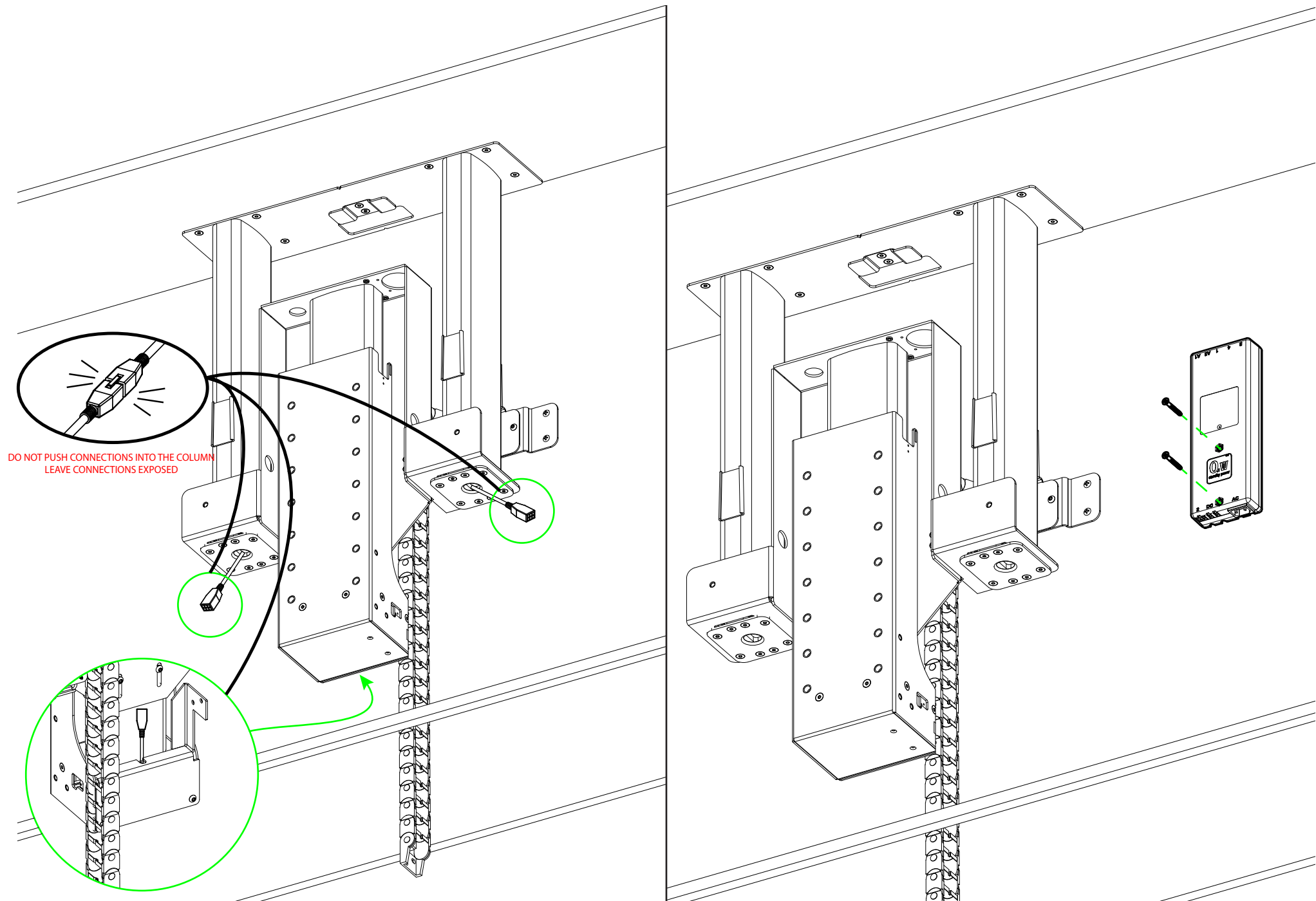
14. Fasten the Cable Track to the threaded holes closest to the Rear Support on the Upper Cable Track Bracket using (2) 5 x 10 BHMS.

Lower Assembly & Cable Management



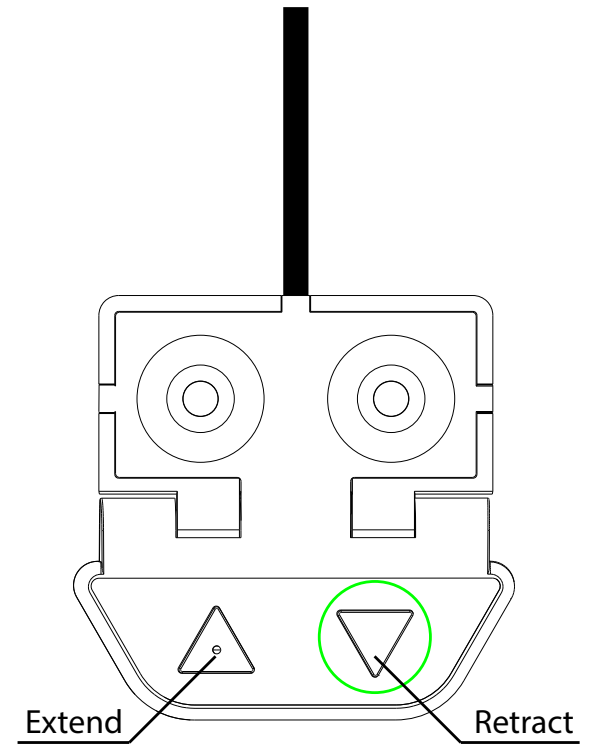
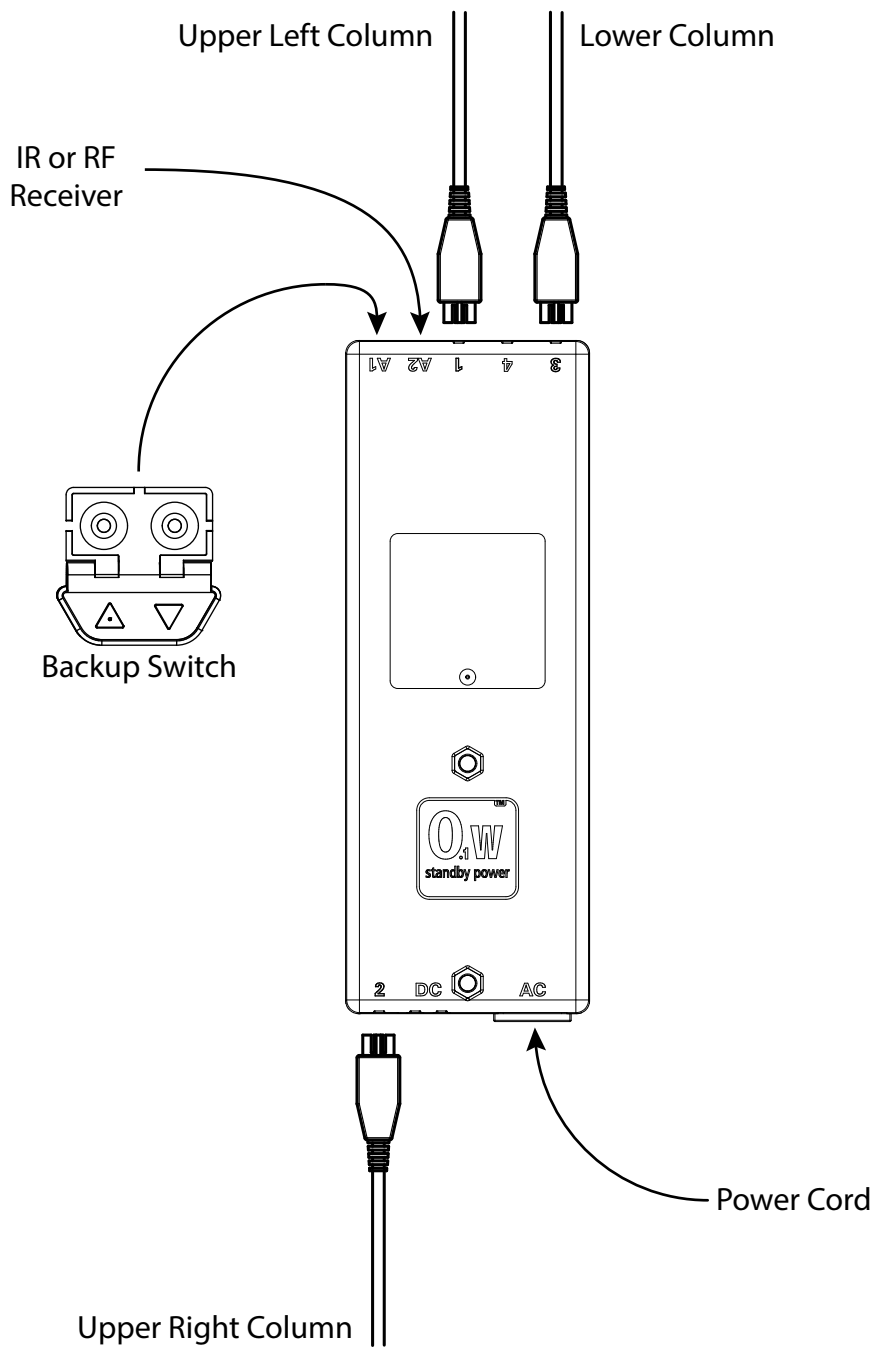
15a. Lift the Lower Assembly up above the Support Plates, then slide it back, allowing it to rest on the top of the Support Plates; Maintain your grip.

15b. Fasten the Lower Assembly to the Support Plates using (8) 6 x 16 FHMS.

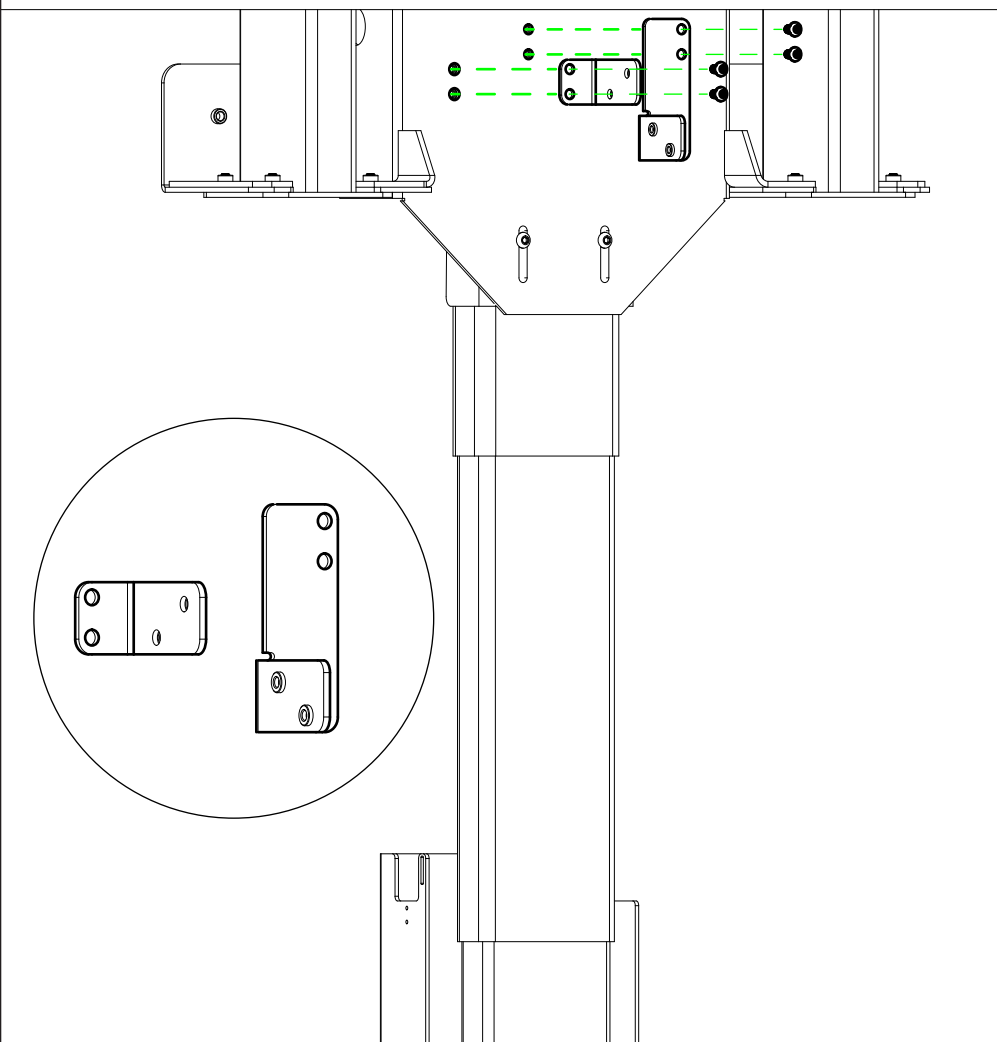
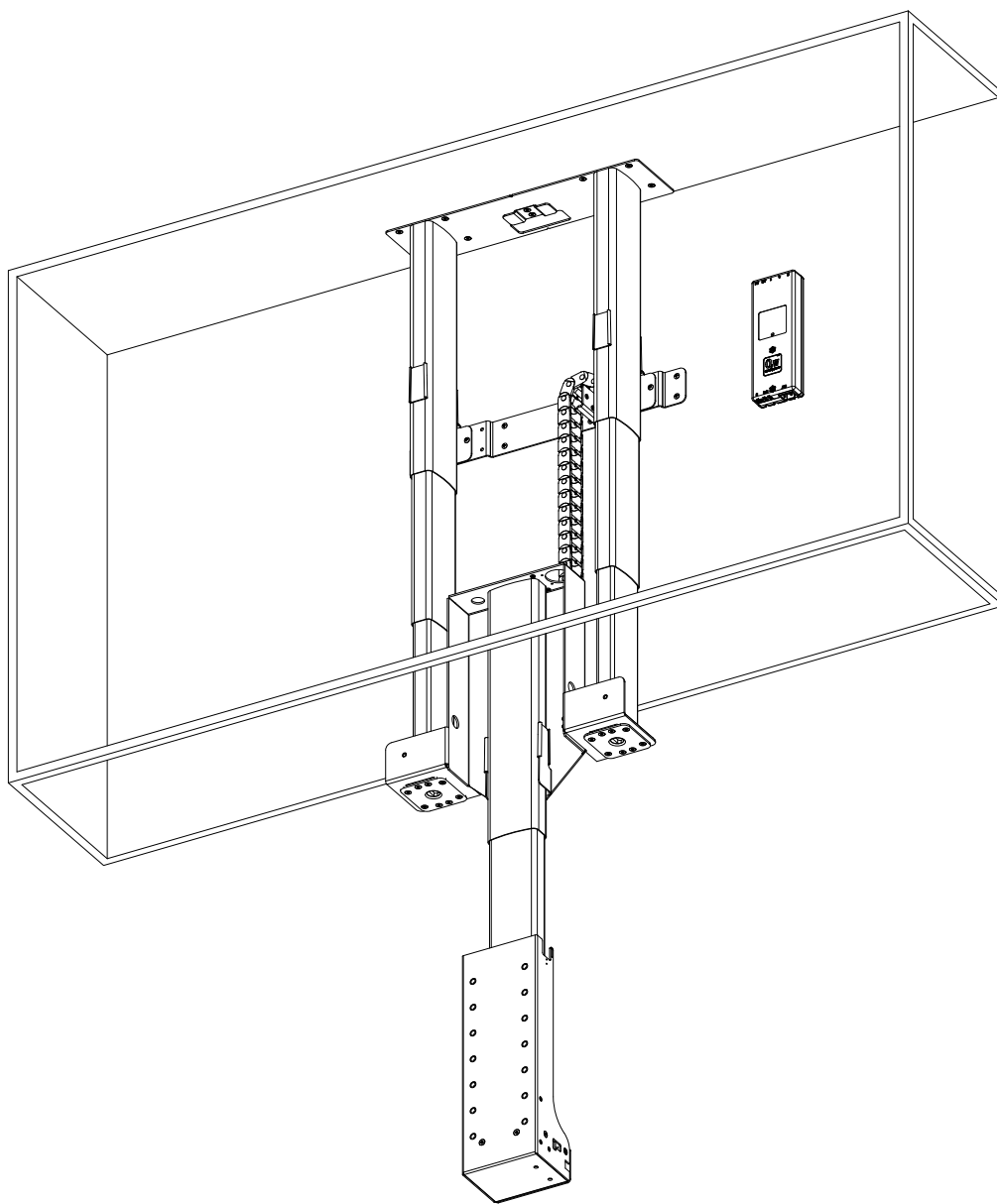


16. Connect the (3) Motor Cables coming out of the Upper Cable Track to each of the Lift Columns.

17. Mount the Control Box inside your enclosure on the right side of your lift using (2) #10 x 1-3/4" FHWS.



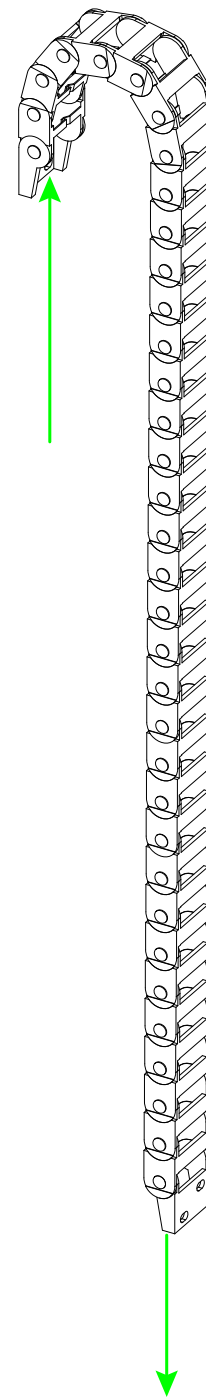
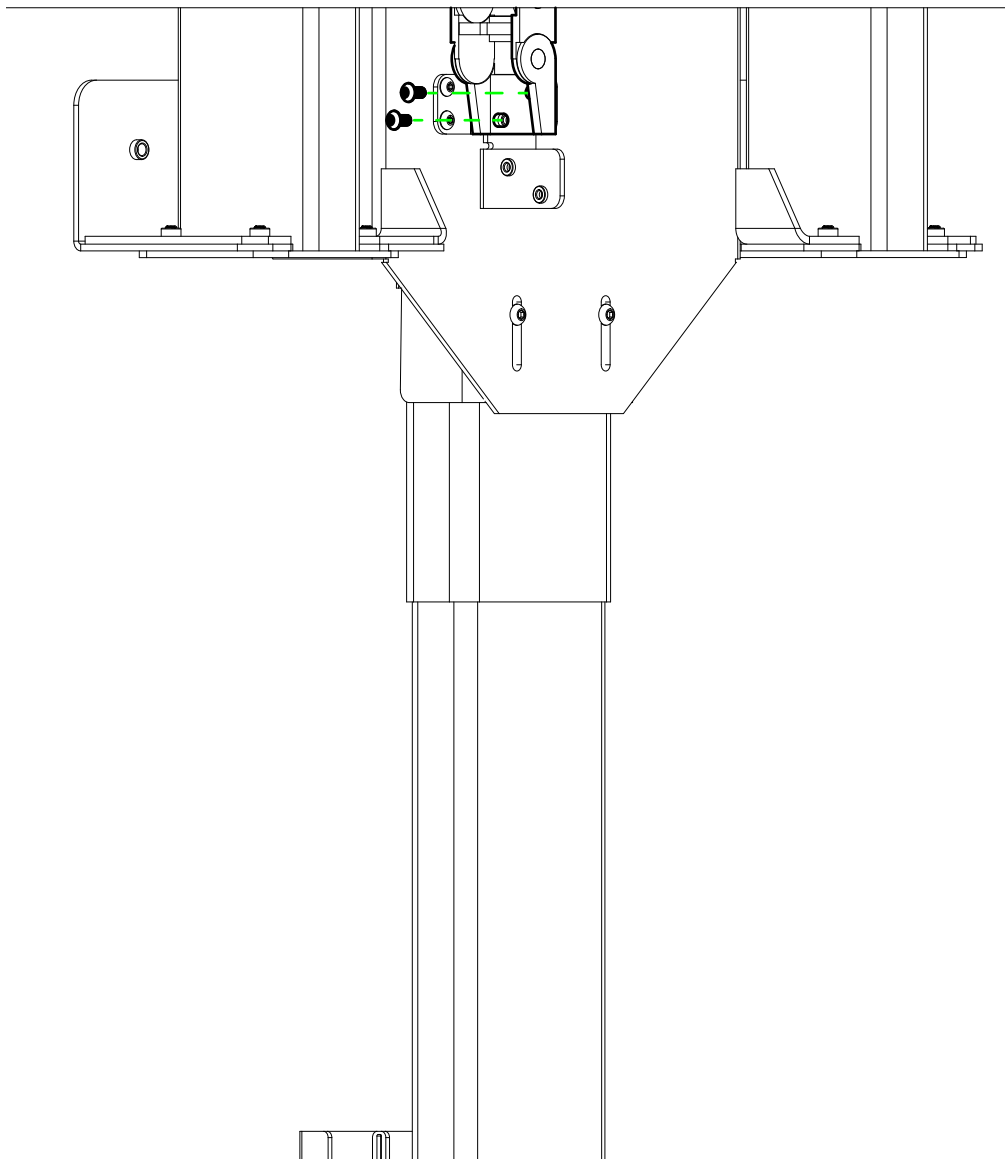
- 18.** Connect your Control Box according to the diagram shown above.
 - 19.** Press and hold the "Retract" button on your Backup Switch for 5 seconds to 'Initialize' your system.
- Note:** You should see or hear the system move up and down very slightly, if you don't, repeat this step.



20. Press the "Extend" button on your remote or Backup Switch to fully extend the system. If you need to stop it at any time, press the "Retract" button to do so.

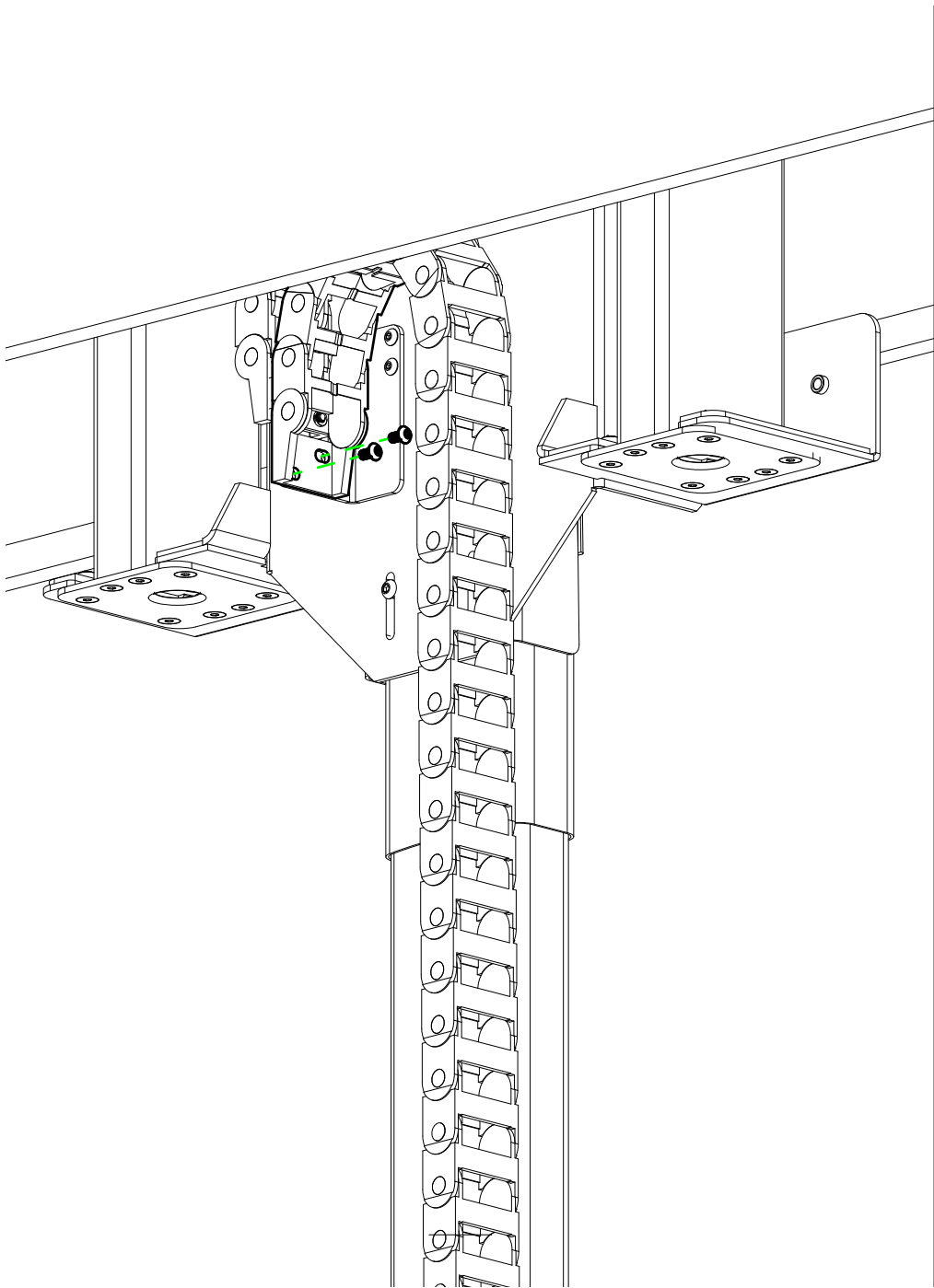
21. Attach the Center & Lower Track Brackets to the back of the Lower Assembly using (4) 5 x 10 BHMS.

Note: Use the image above as a reference for correct orientation.



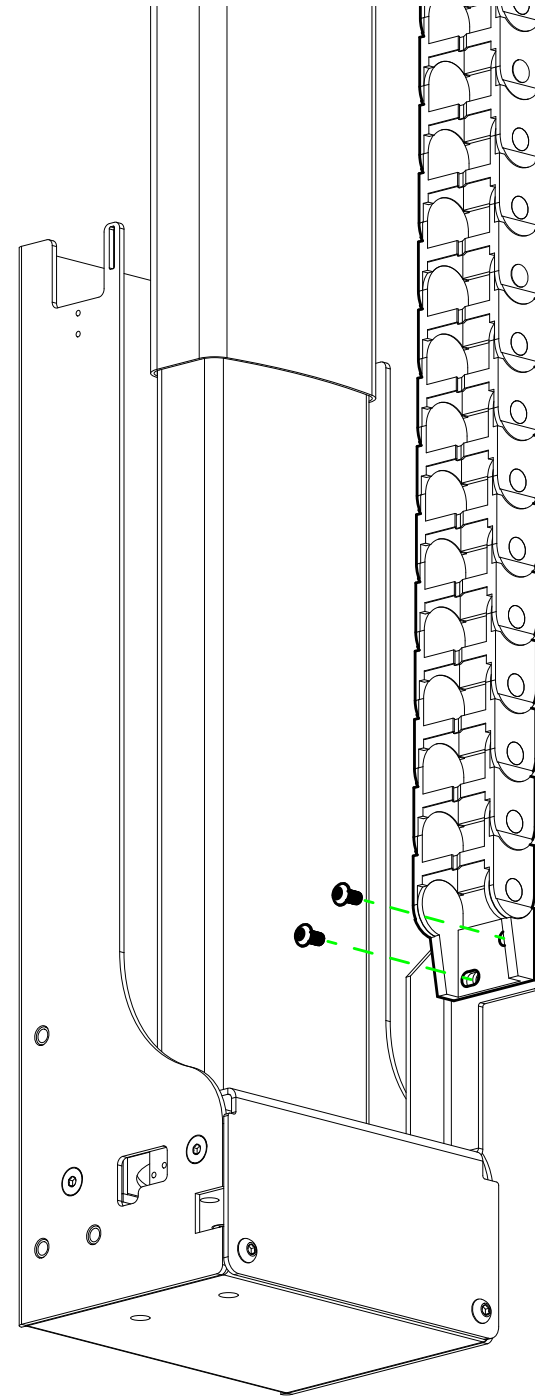
22. Attach the Upper Cable Track to the Center Track Bracket on the left using (2) 5 x 10 BHMS.

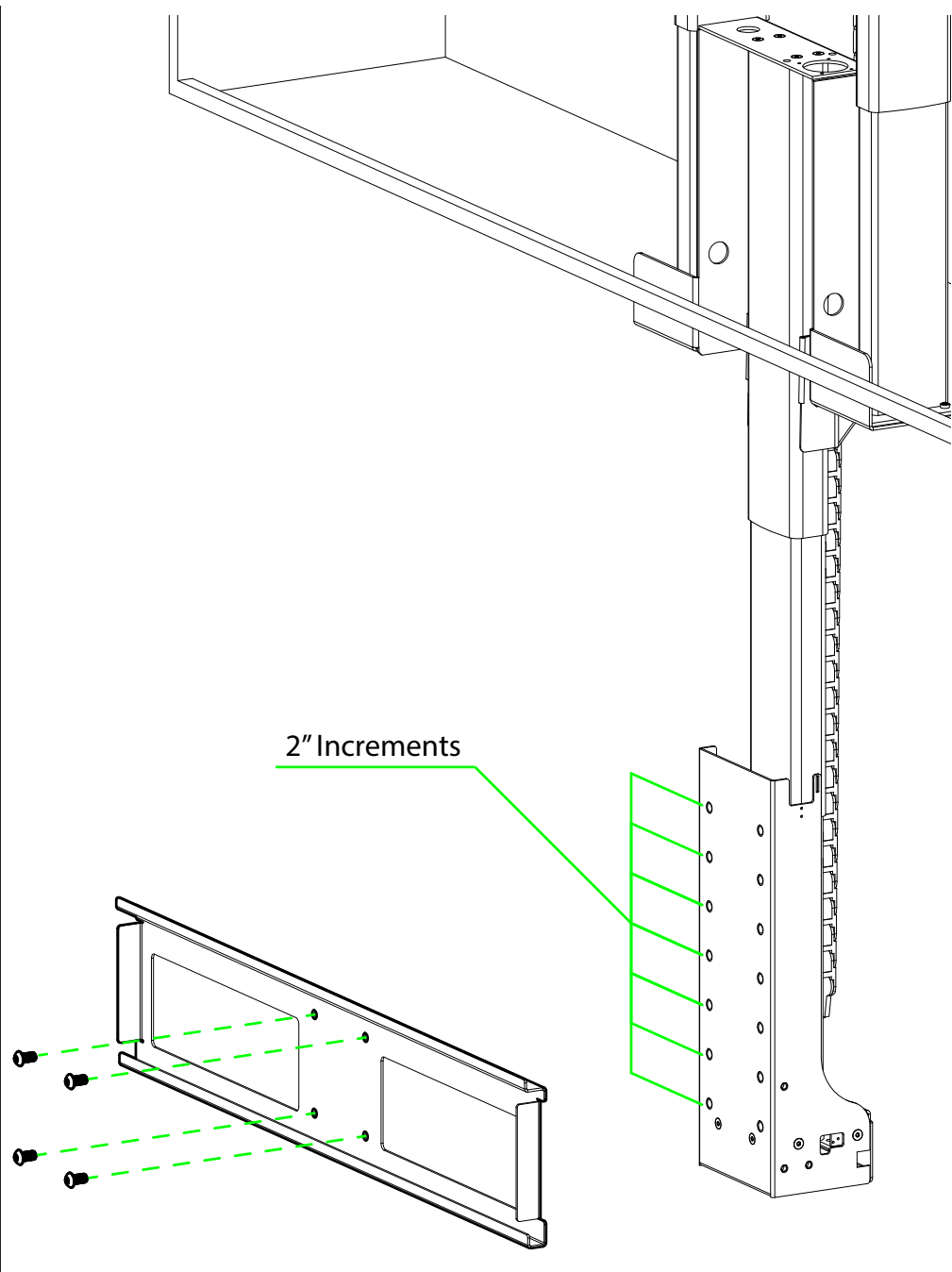
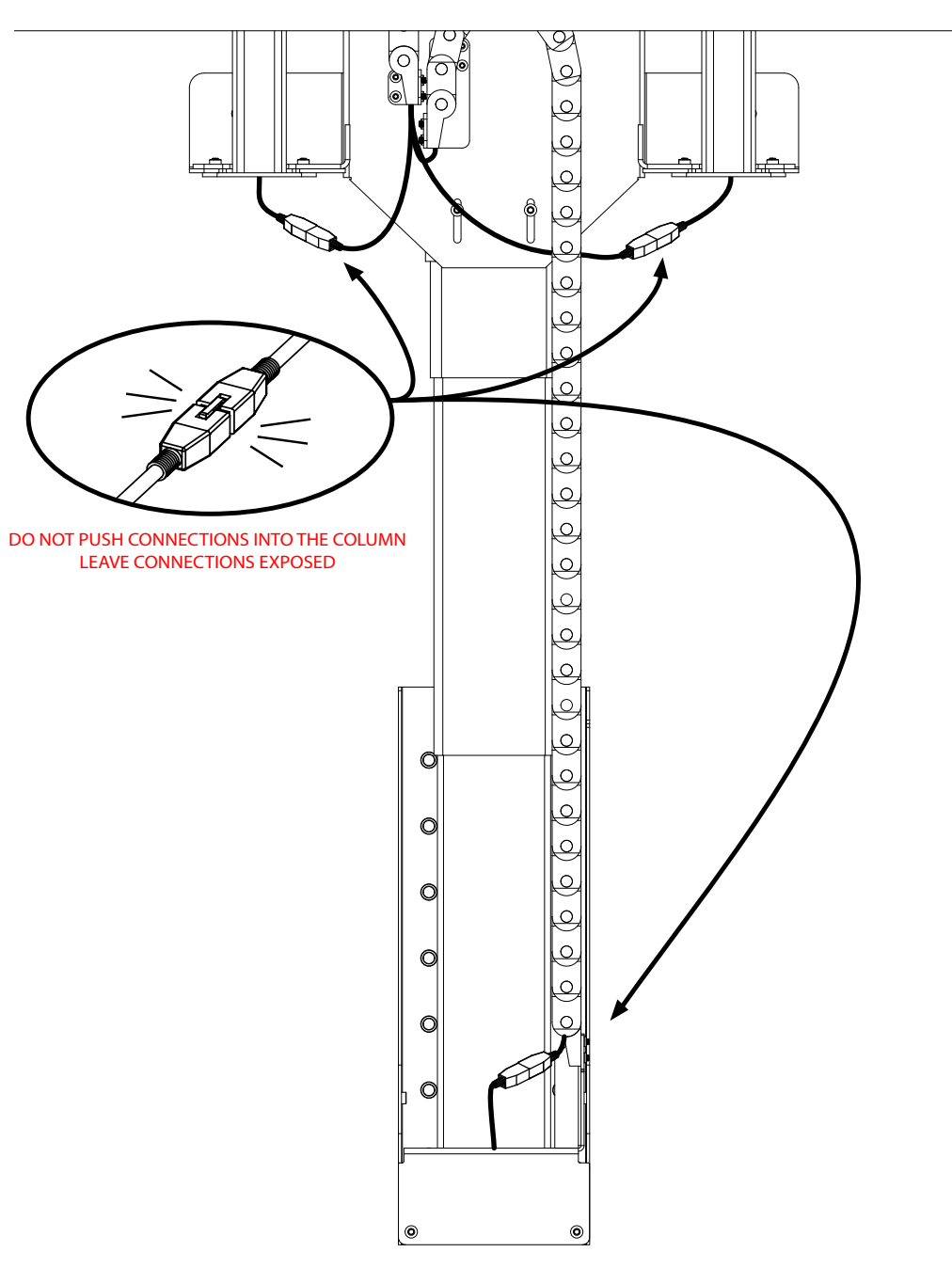
24. Disconnect the Motor Cable from the Lower Column then feed it and any AV Cables through the Lower Cable Track.



25. Attach the Lower Cable Track to the Center Cable Track Bracket on the right using (2) 5 x 10 BHMS.

26. Attach the bottom of the Lower Cable Track to the Motor Cover using (2) 5 x 10 BHMS.



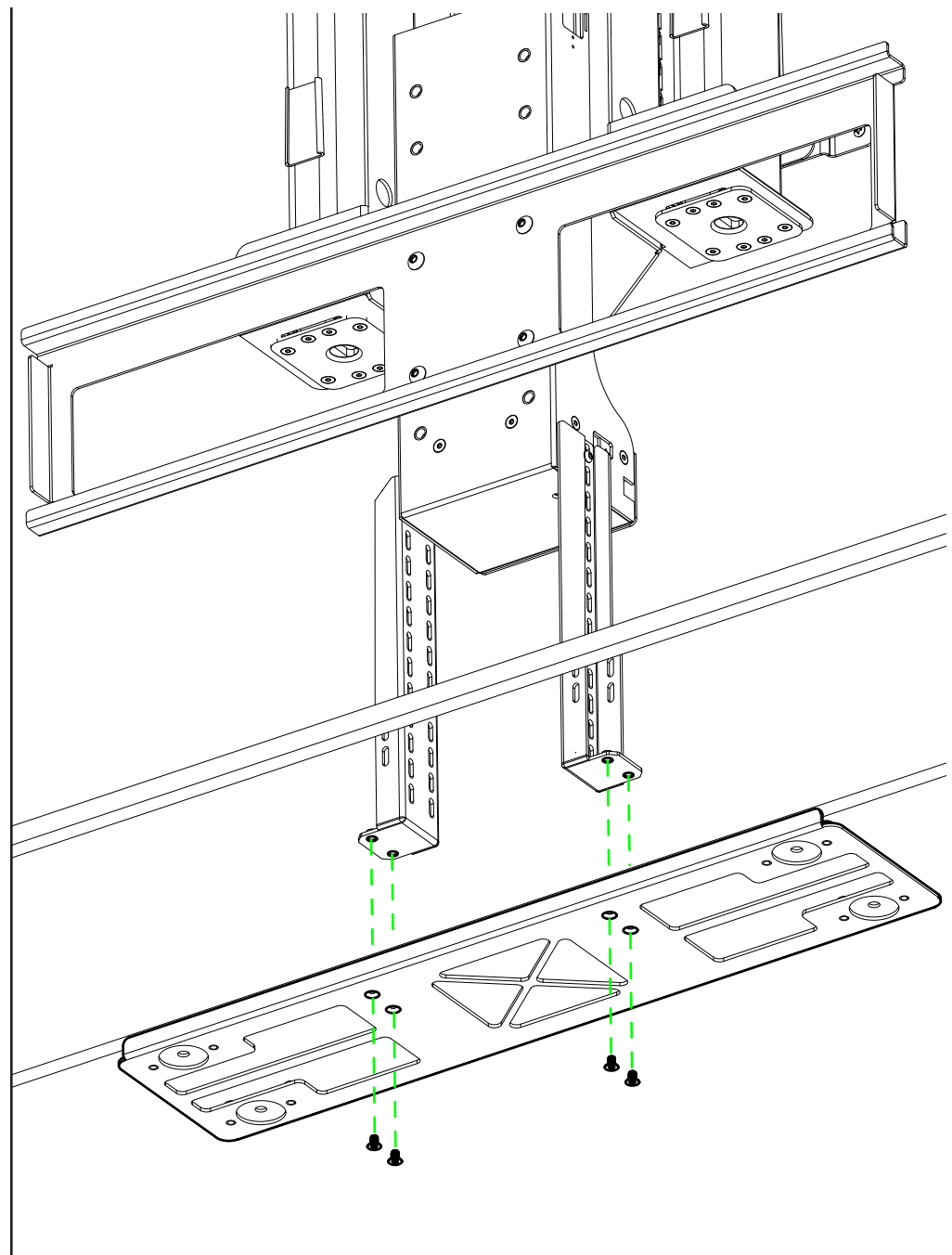
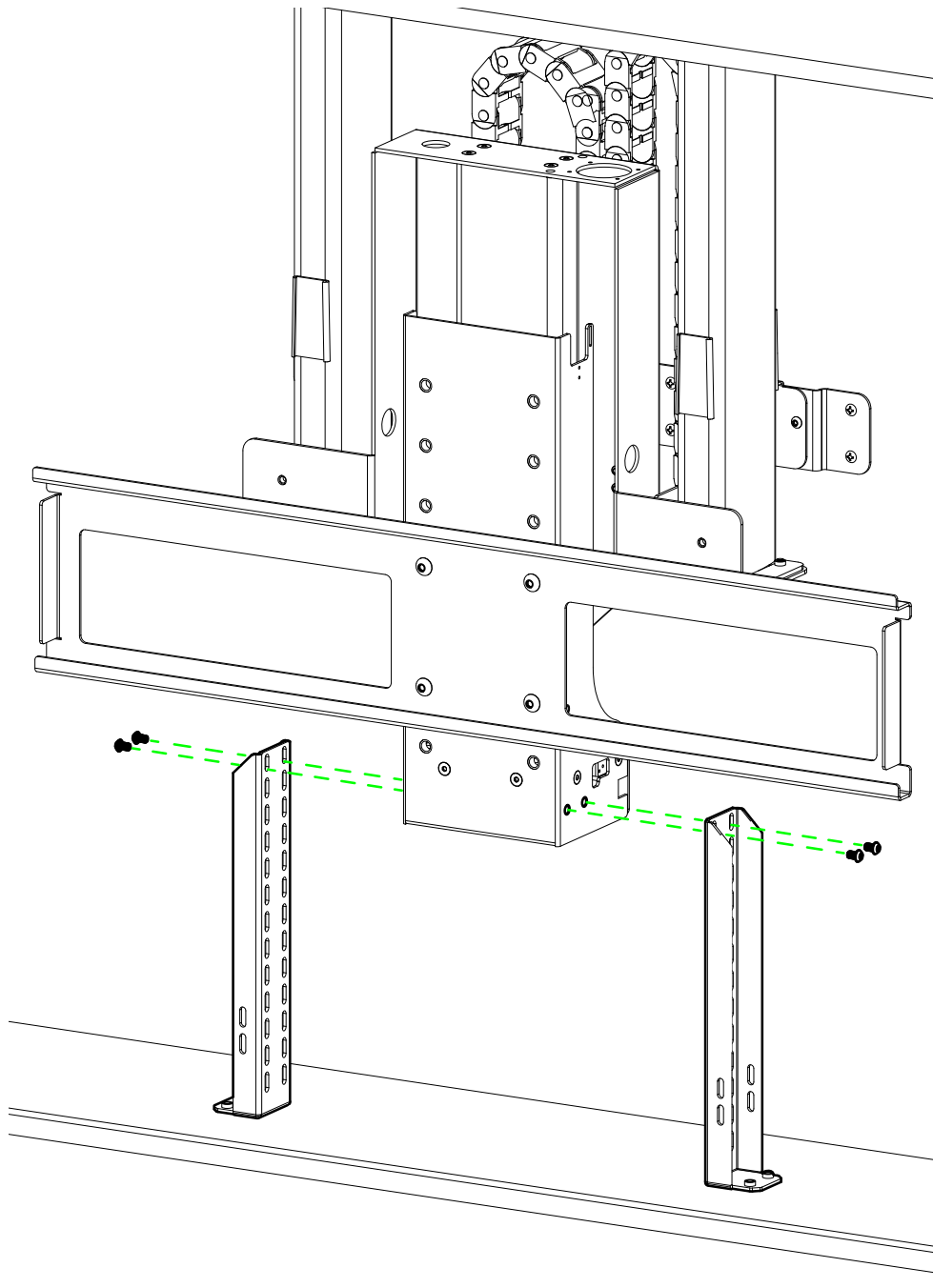


27. Reconnect the Motor Cable to the Lower Column and route the cables as shown the image above.

28. Fasten the Screen Back Plate to the Lower Assembly using (4) 3/8" – 16 x 3/4" BHMS then fully retract your system using the Backup Switch or Remote.

Note: The Screen Back Plate position can be adjusted up or down in 2" increments to change the TV position.

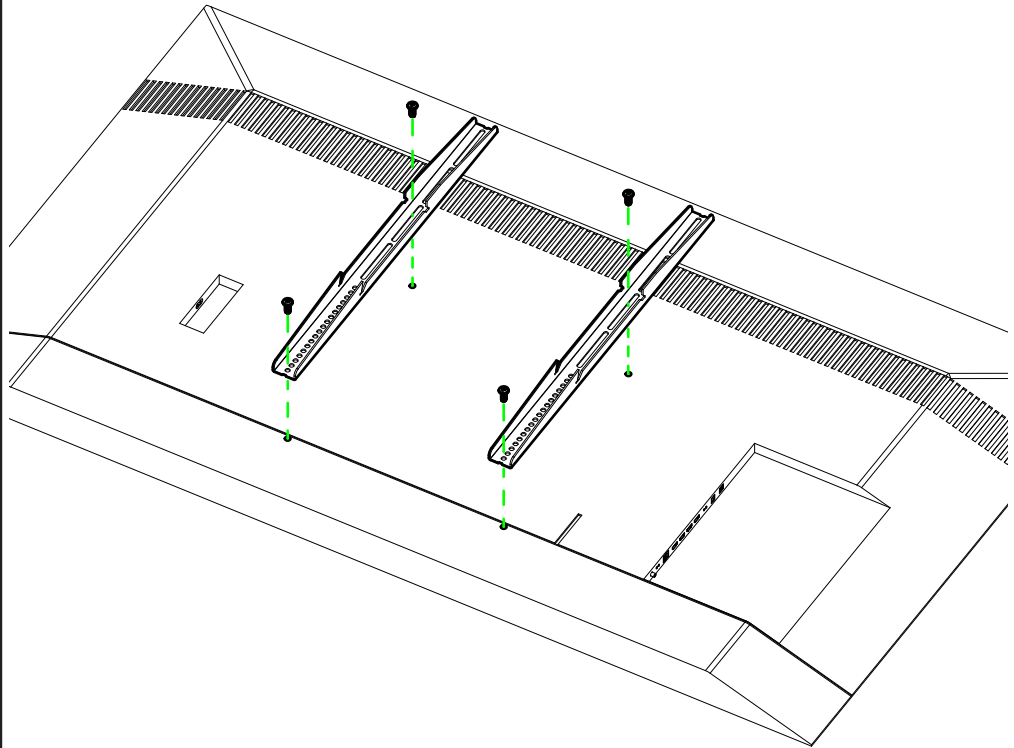
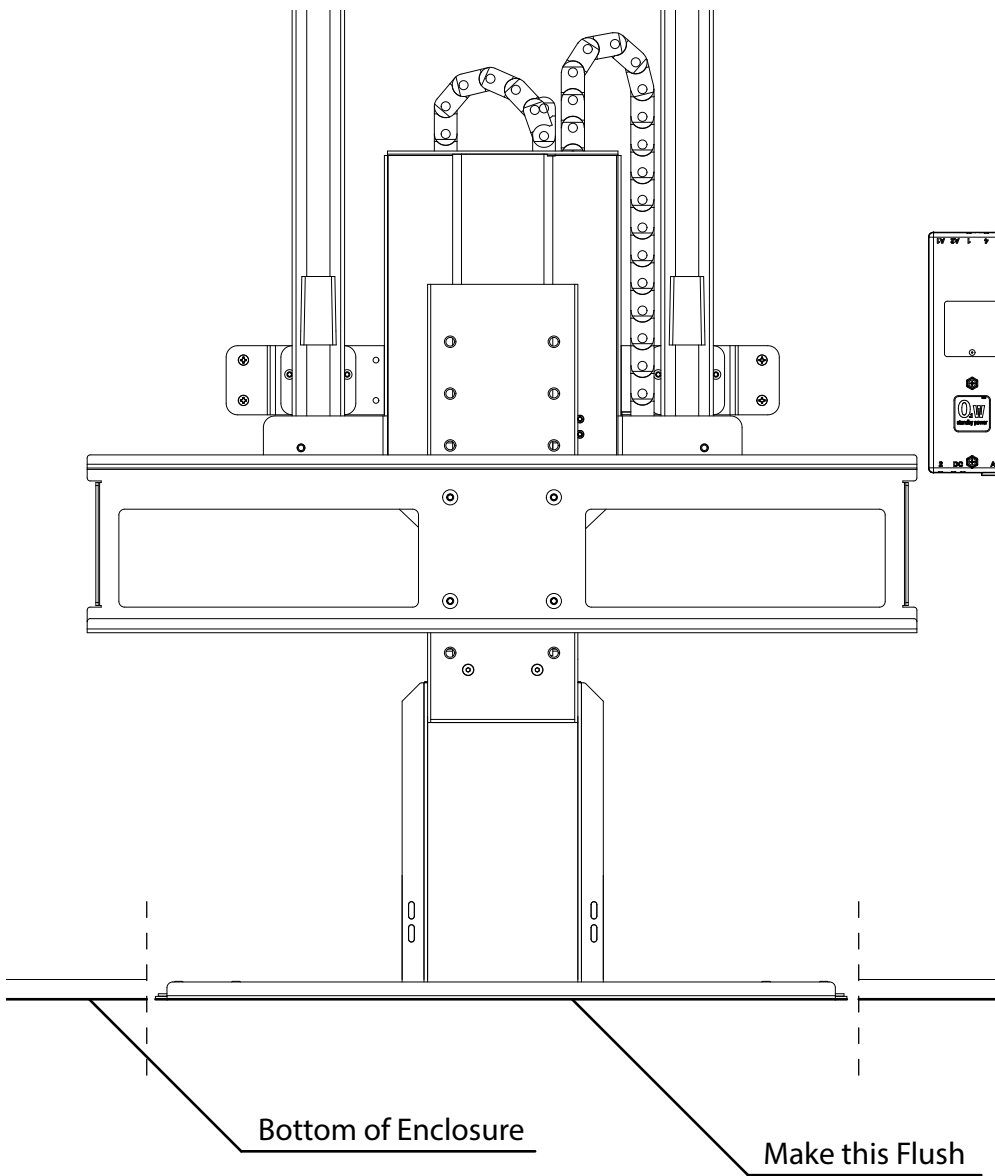
TV Mounting



30. Fasten the Lid Supports to the left and right sides of the Screen Support using (6) 6 x 10 BHMS; For taller cabinets, (4) screws can be used instead of (6).

Note: The Lid Supports can be adjusted down, up to 10", to change the position of your Lid Plate.

31. Fasten the Lid Plate to the bottom of the Lid Supports using (4) 6 x 12 FHMS; The edge of the Lid Plate closest to the countersunk holes is the front.

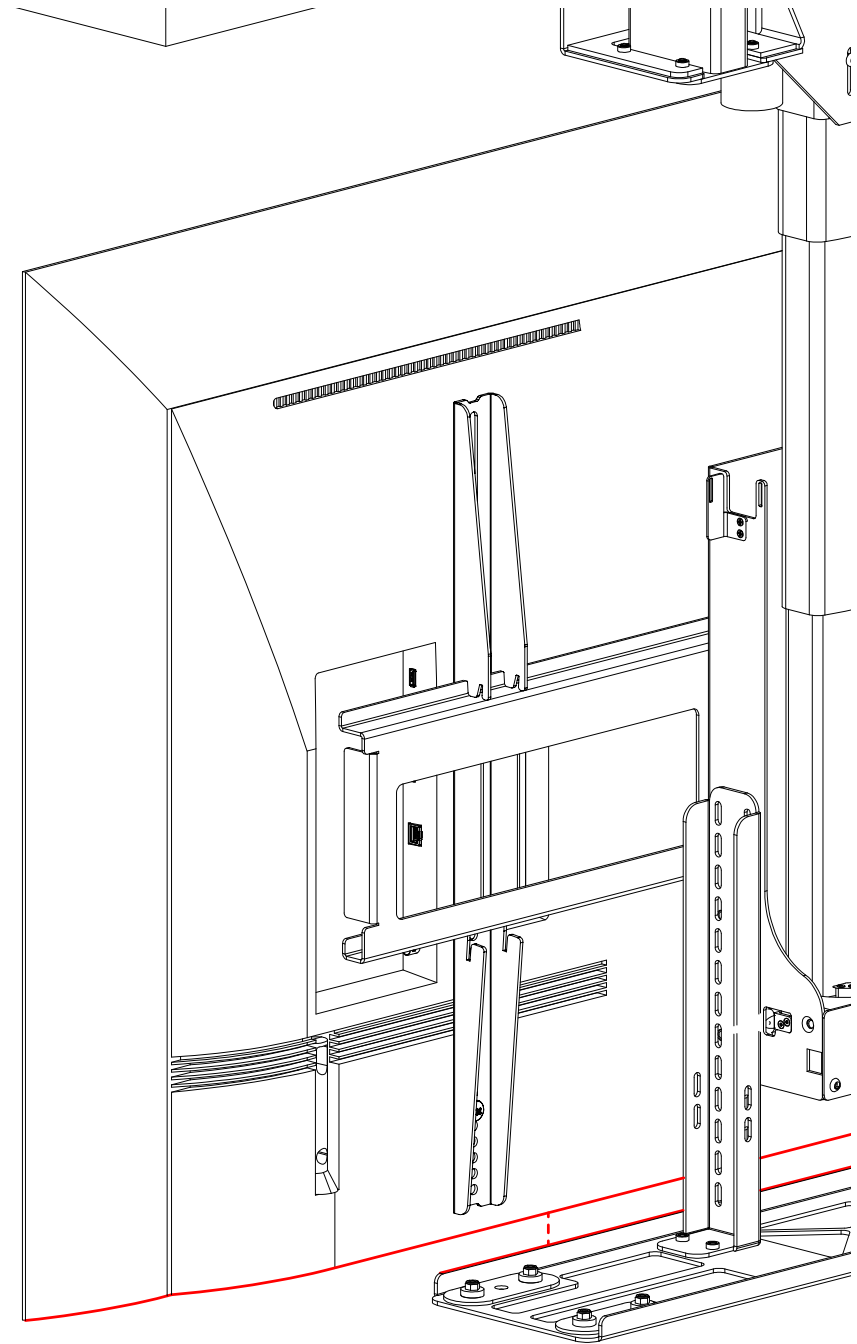
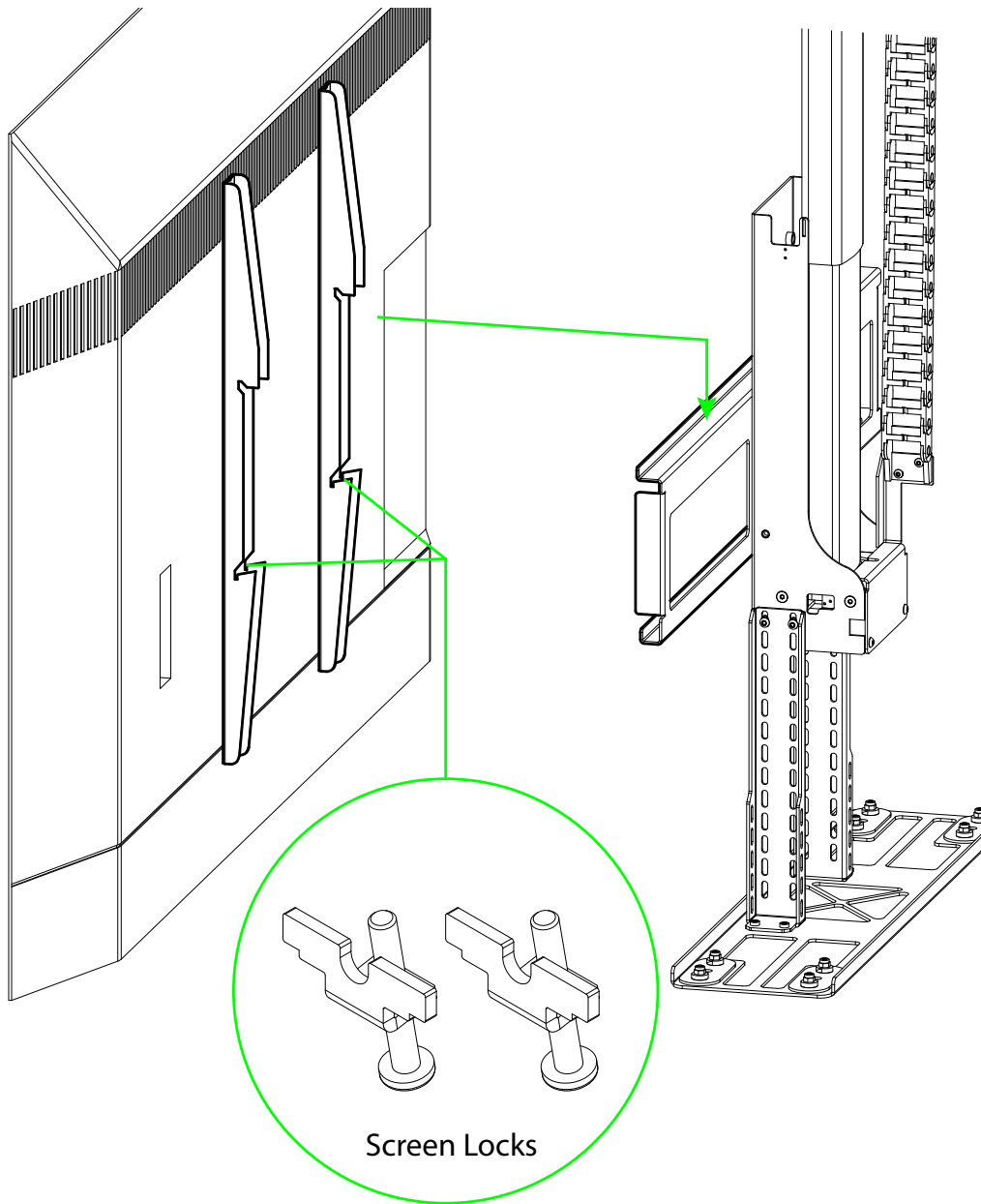


32. Adjust the Lid Supports up or down until the bottom of the Lid Plate is Flush with the bottom of your enclosure or 'Lid Catch'.

Note: This step will allow you to precisely mark the location of the Spring-Loaded Lid hardware later on in the manual.

33. Attach the Vertical Bars, with the slotted holes on top, to the mounting holes on the back of your TV using the Large Assorted Hardware Pack.

Note: The Vertical Bars can be adjusted up or down along the back of your TV to minimize the gap between the Lid and the bottom of the TV.

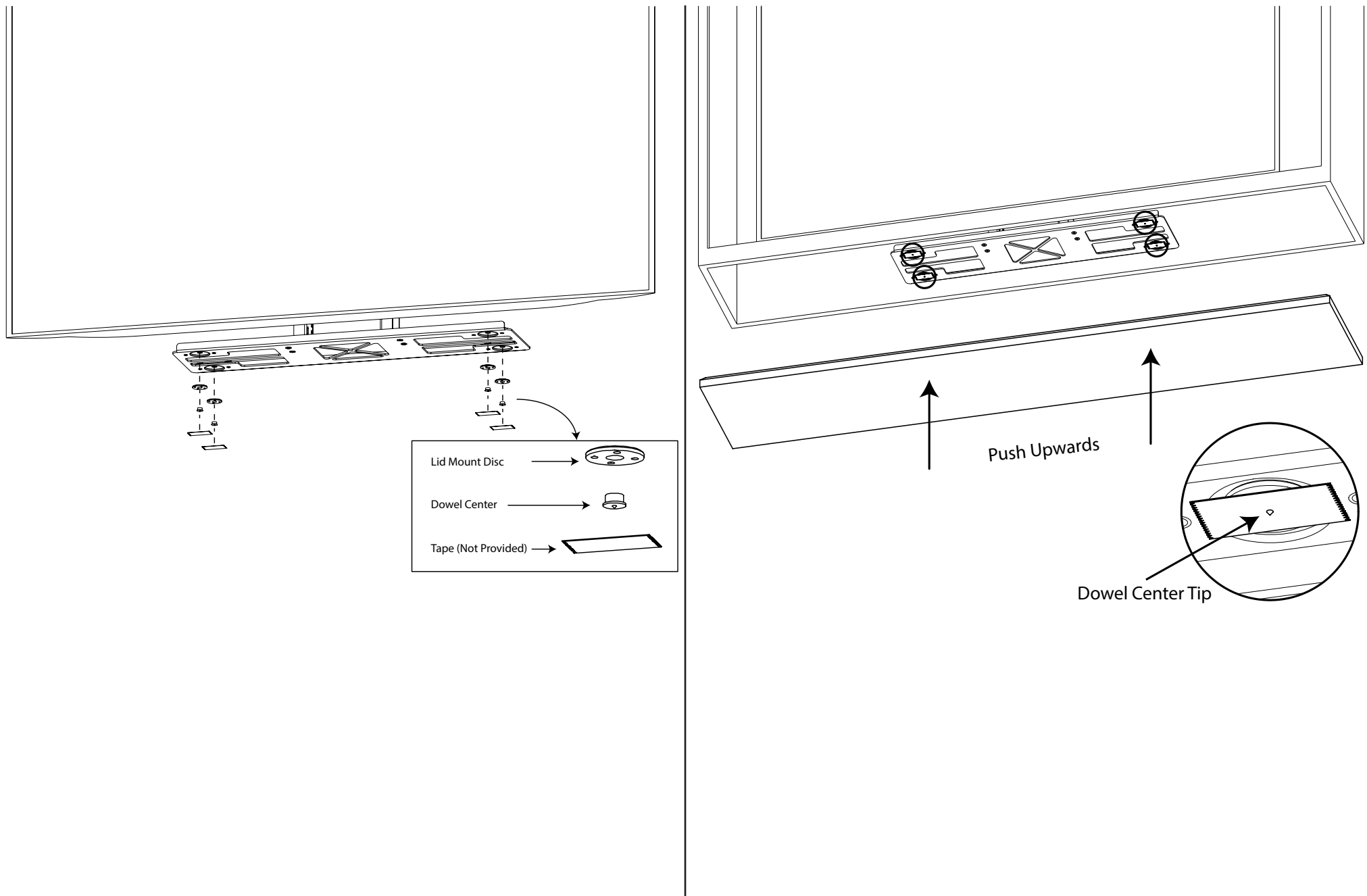


34. Hang your TV on the Screen Back Plate, center it, then fasten the Screen Locks to the bottom set of hooks to lock it in place.

Note: If you are unsatisfied with the position of the TV, remove it, then adjust the Vertical bars up to lower the TV or down to raise the TV on your lift.

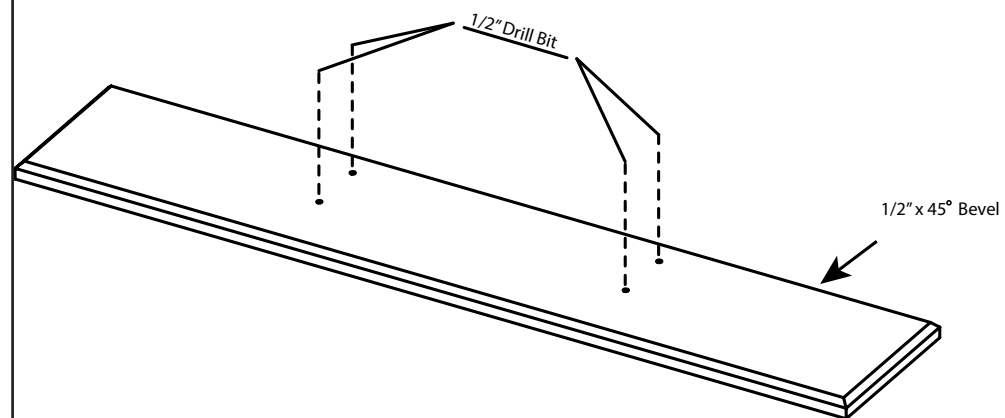
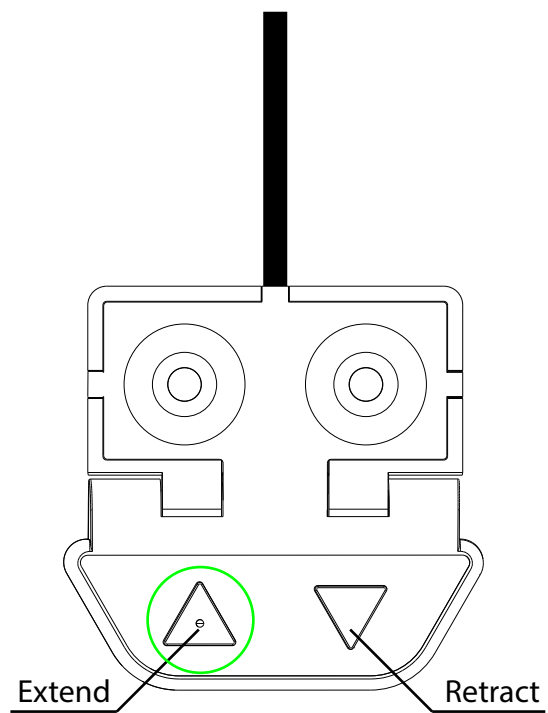
Important Note: Ensure the gap between the bottom of your TV and the Lid Plate is as small as possible. This is for the protection of your TV and Lift.

Lid Installation



35. Place a Dowel Center into the center hole on each of the Lid Mount Discs then place them into the Floating Nests on the underside of the Lid Plate and tape them into place. Ensure the Lid Mount Discs are centered within the Floating Nests before taping.

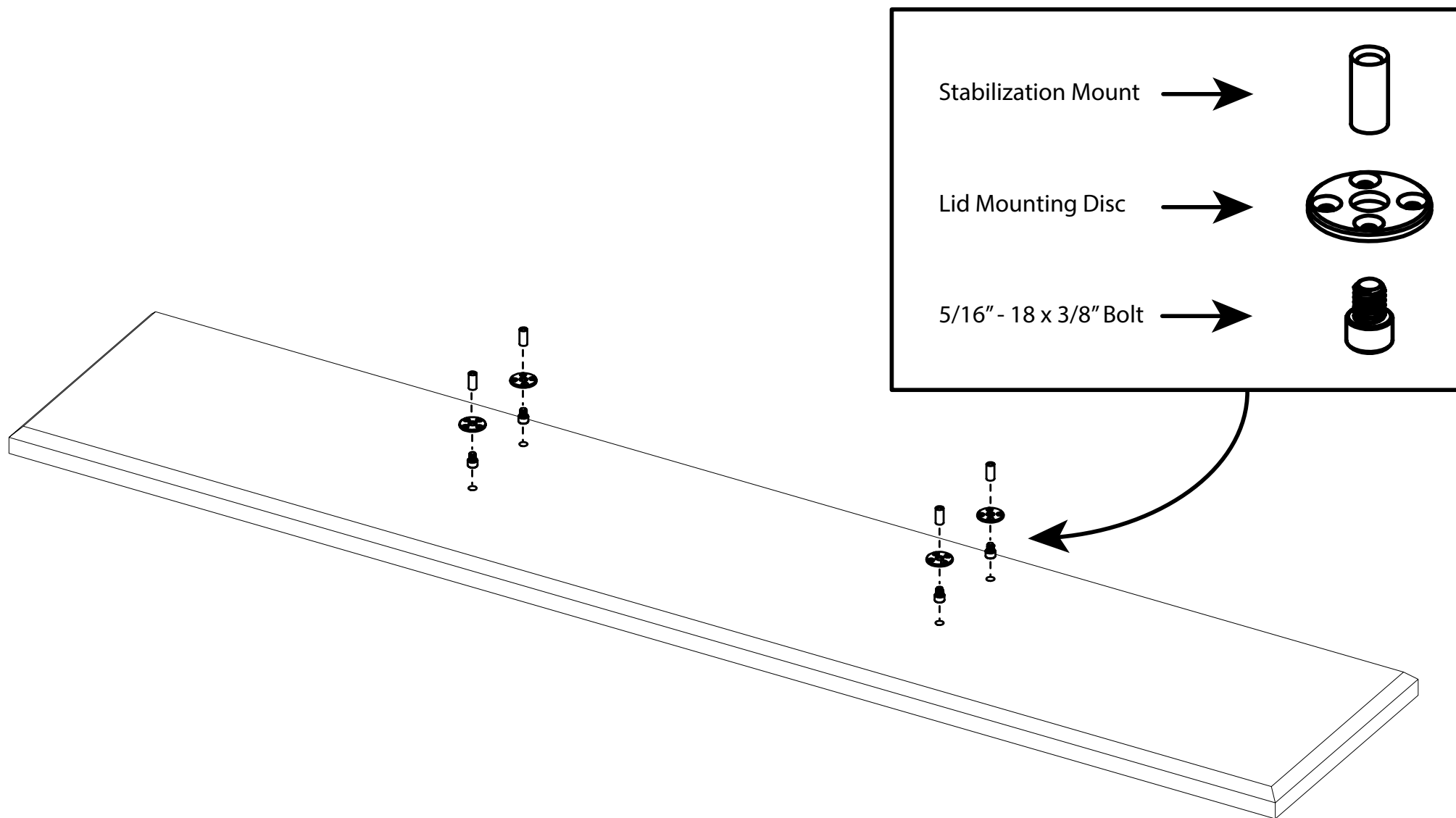
36. Grab your Lid, center it withing the opening, then push it up against the Dowel Centers. The tip of each Dowel Center will mark the location of the holes necessary for mounting your lid. If no mark is made, you may need to lower your system to allow your panel to be pressed against each tip.



37. Press the "Extend" button to lower your lift system.

38. Drill a 1/2" deep hole in each of the (4) marked locations on your Lid using a 1/2" Drill bit.

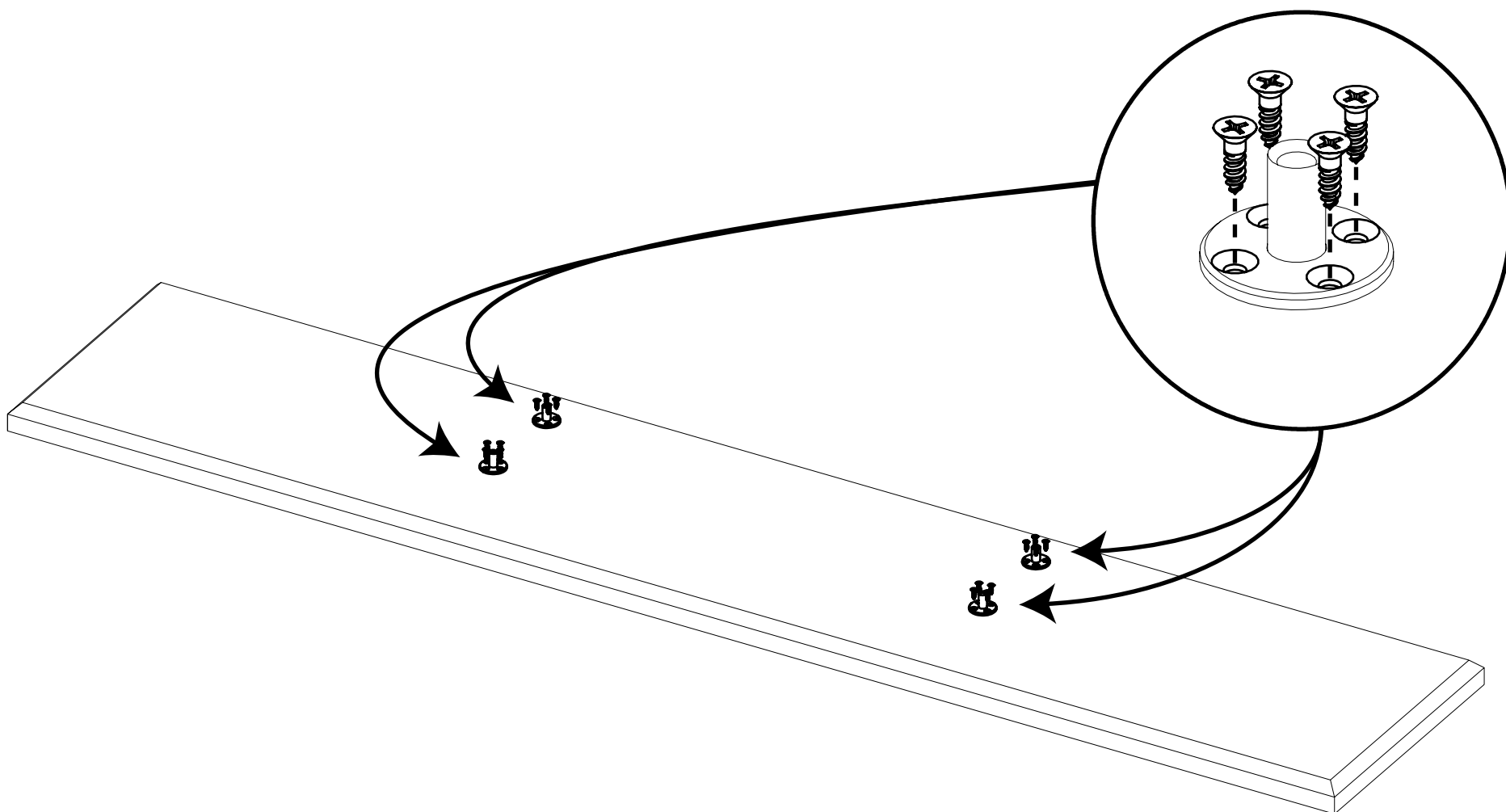
Note: The Bevel is optional but if used, it will ensure your lid retracts perfectly every time.



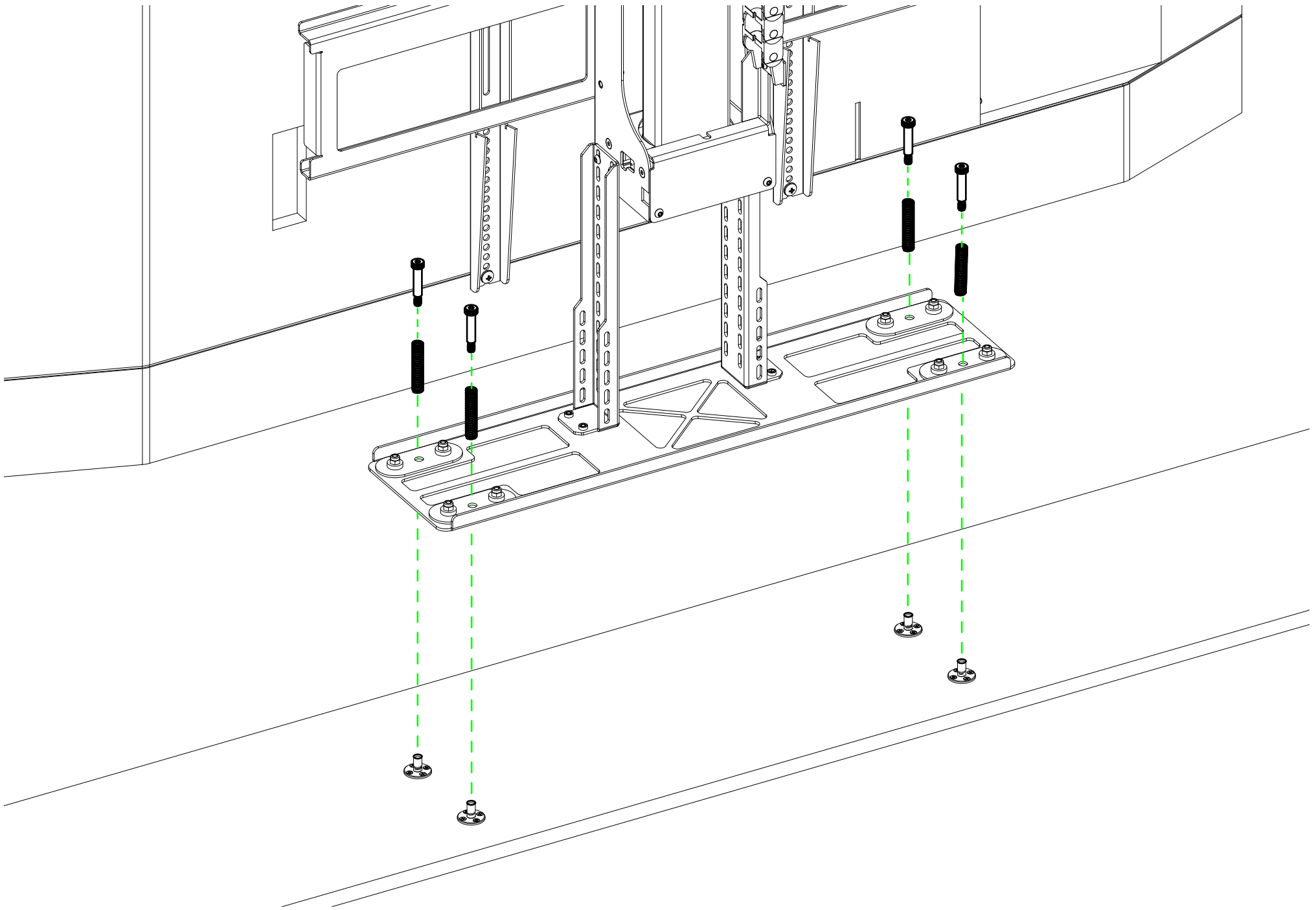
39. Remove the Tape, Dowel Centers, and Lid Mount Discs from the Lid Plate.

40. Place a quick setting Epoxy into each hole on your Lid, then place the Small Shoulder Bolts into each hole; An alternate adhesive can be used if Epoxy is not available.

41. Place the Lid Mount Discs over each of the Small Shoulder Bolts, then thread the Stabilization mounts onto each bolt.

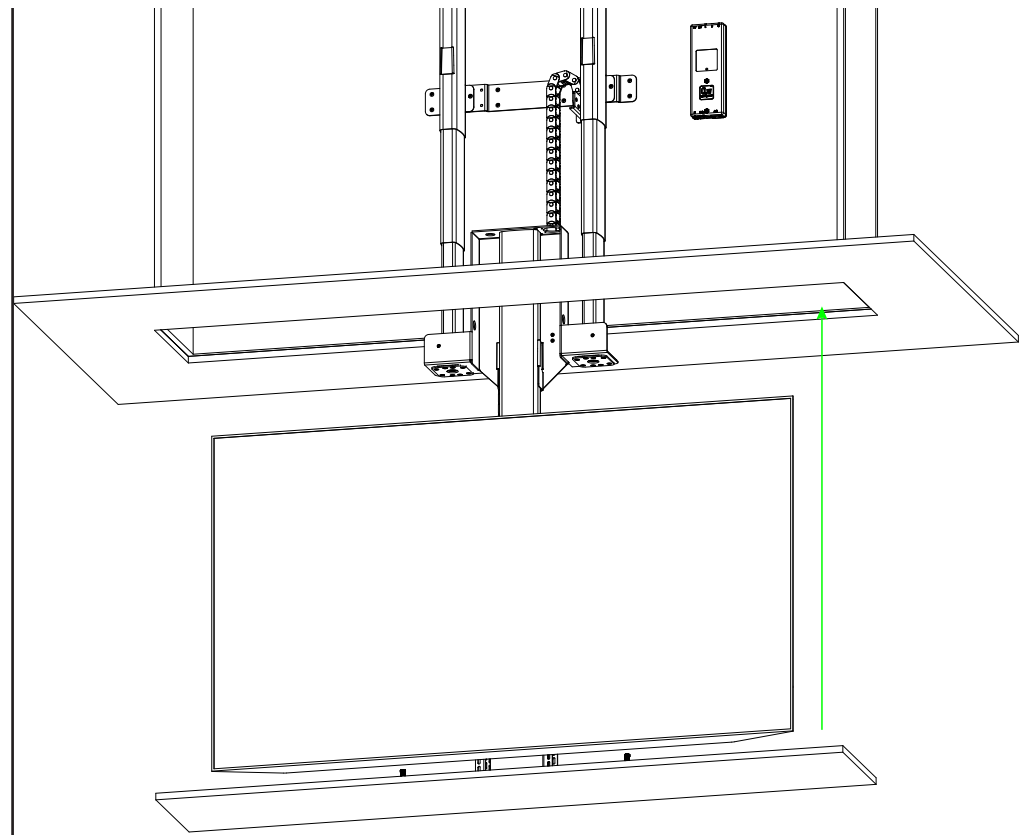
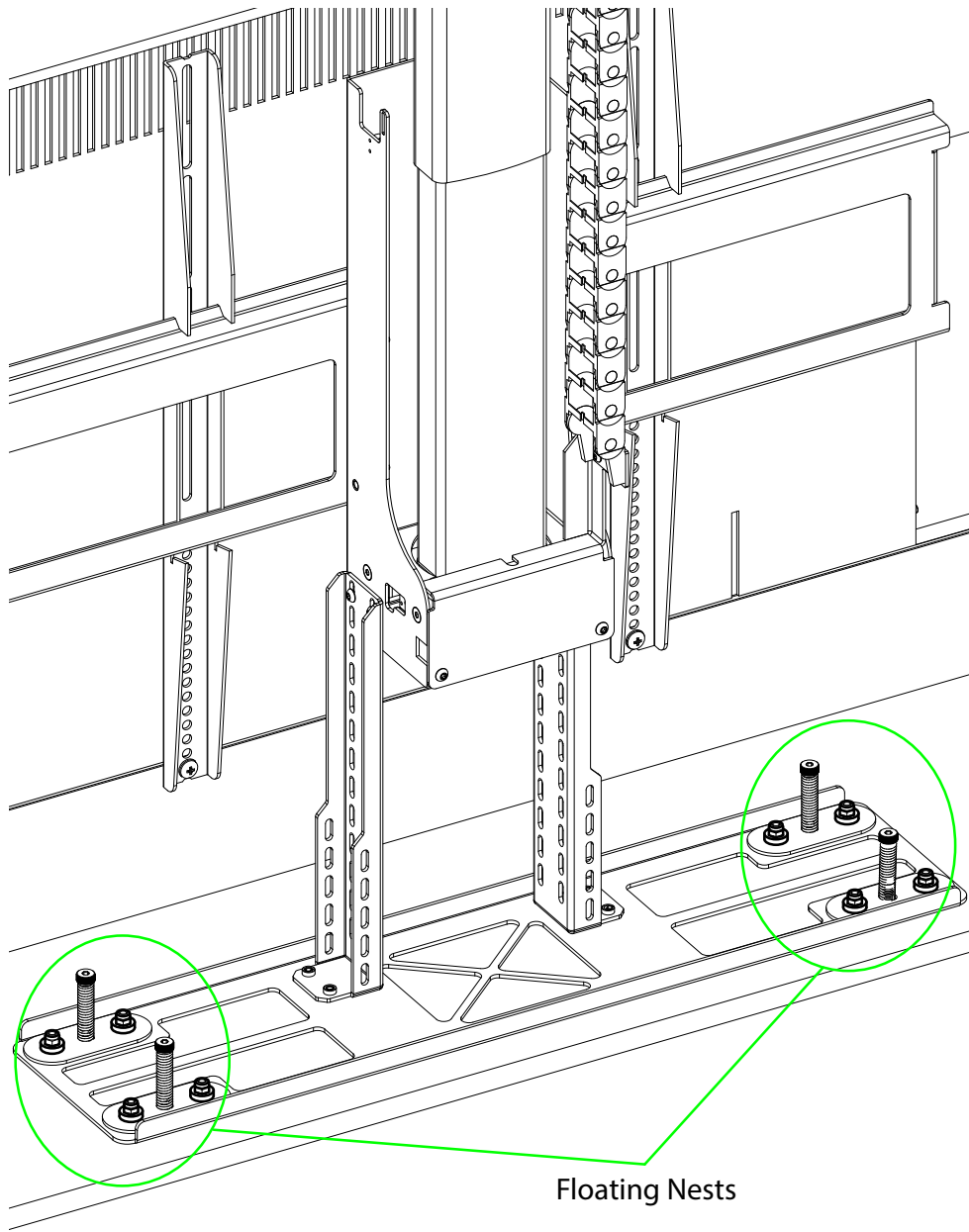


42. Fasten the Lid Mount Discs to your Lid using (16) #6 x ½" FHWS, ensuring the Stabilization Mounts remain upright.



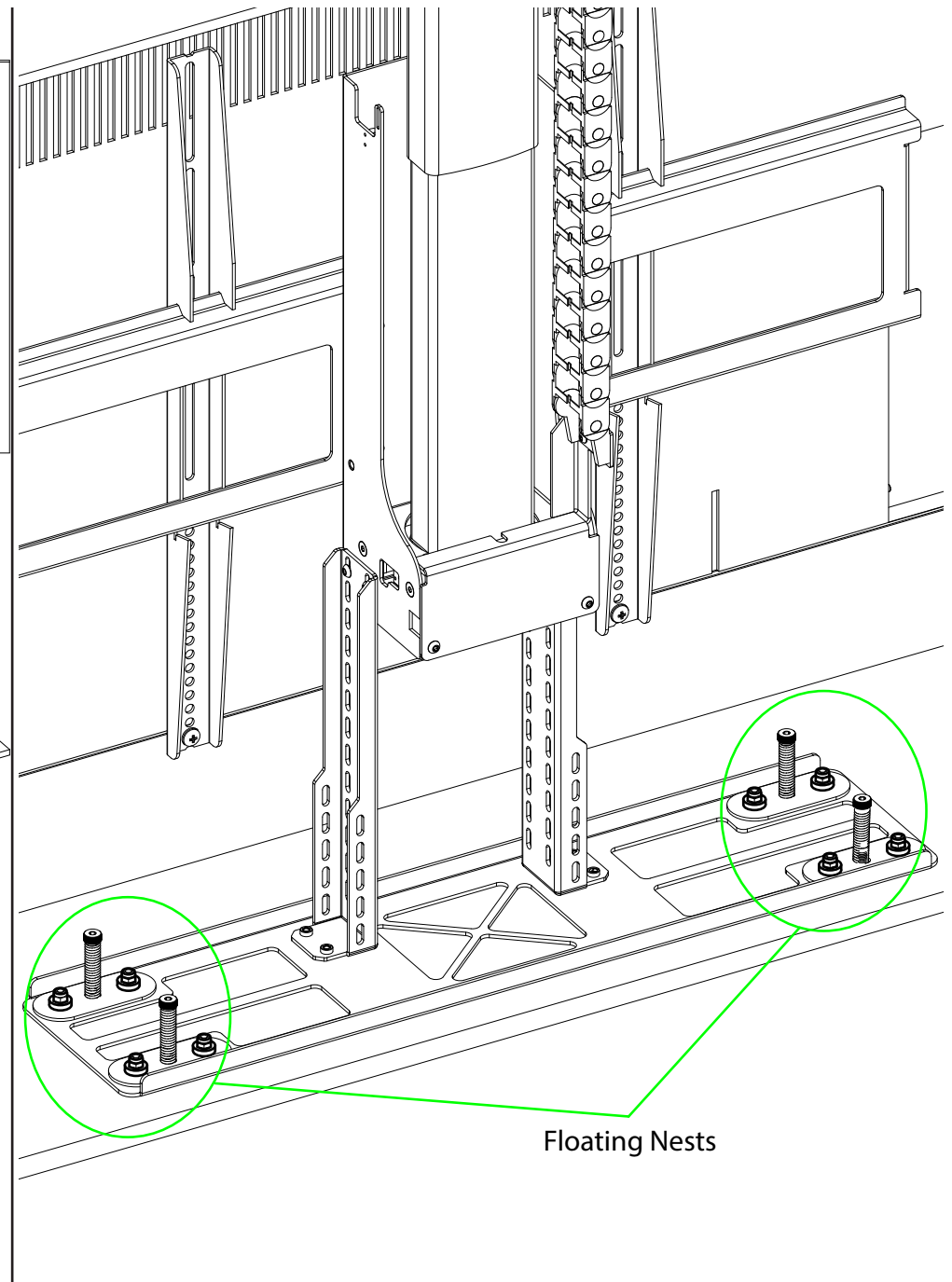
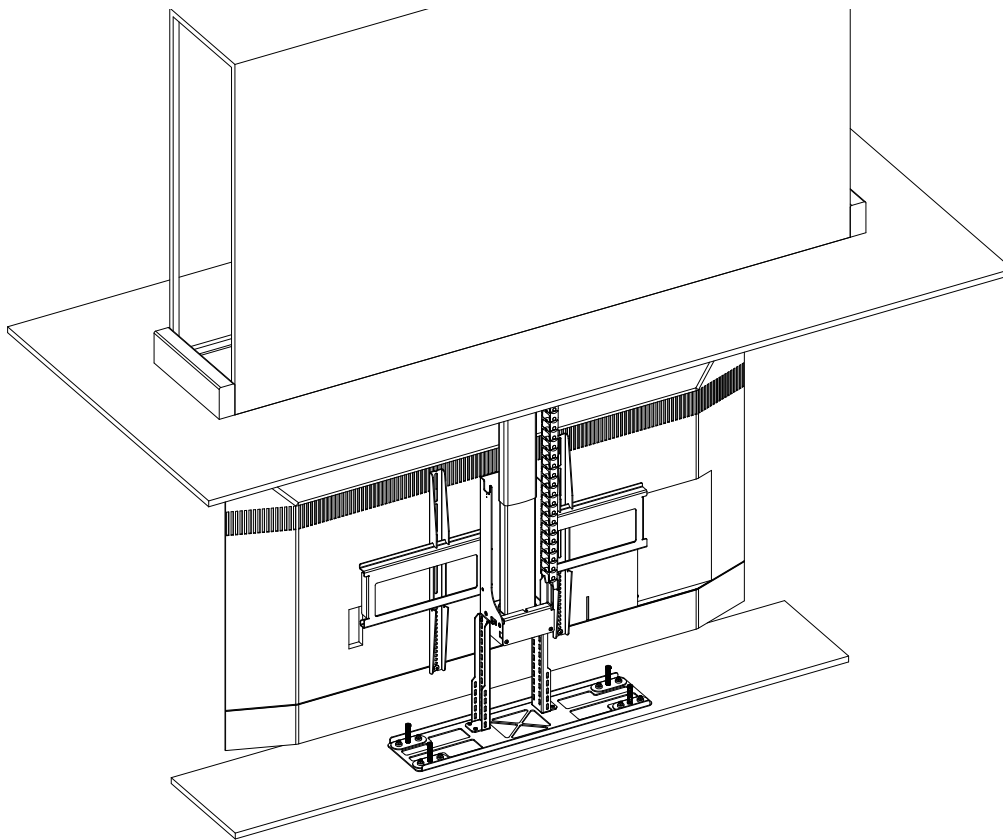
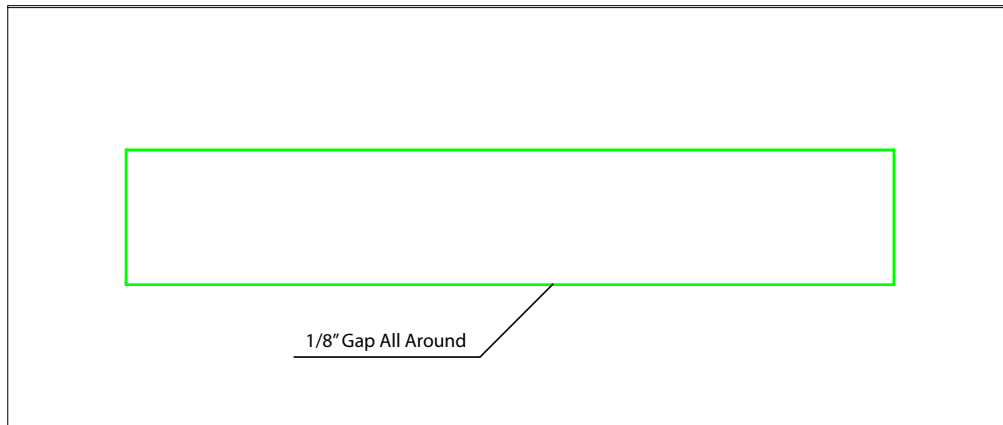
43. Slip the (4) 2.5 Lb Springs over each of the (4) Large Shoulder Bolts.

44. Align the Stabilization Mounts with the Floating Nests and fasten your Lid to the Lid Plate using the Shoulder Bolts.

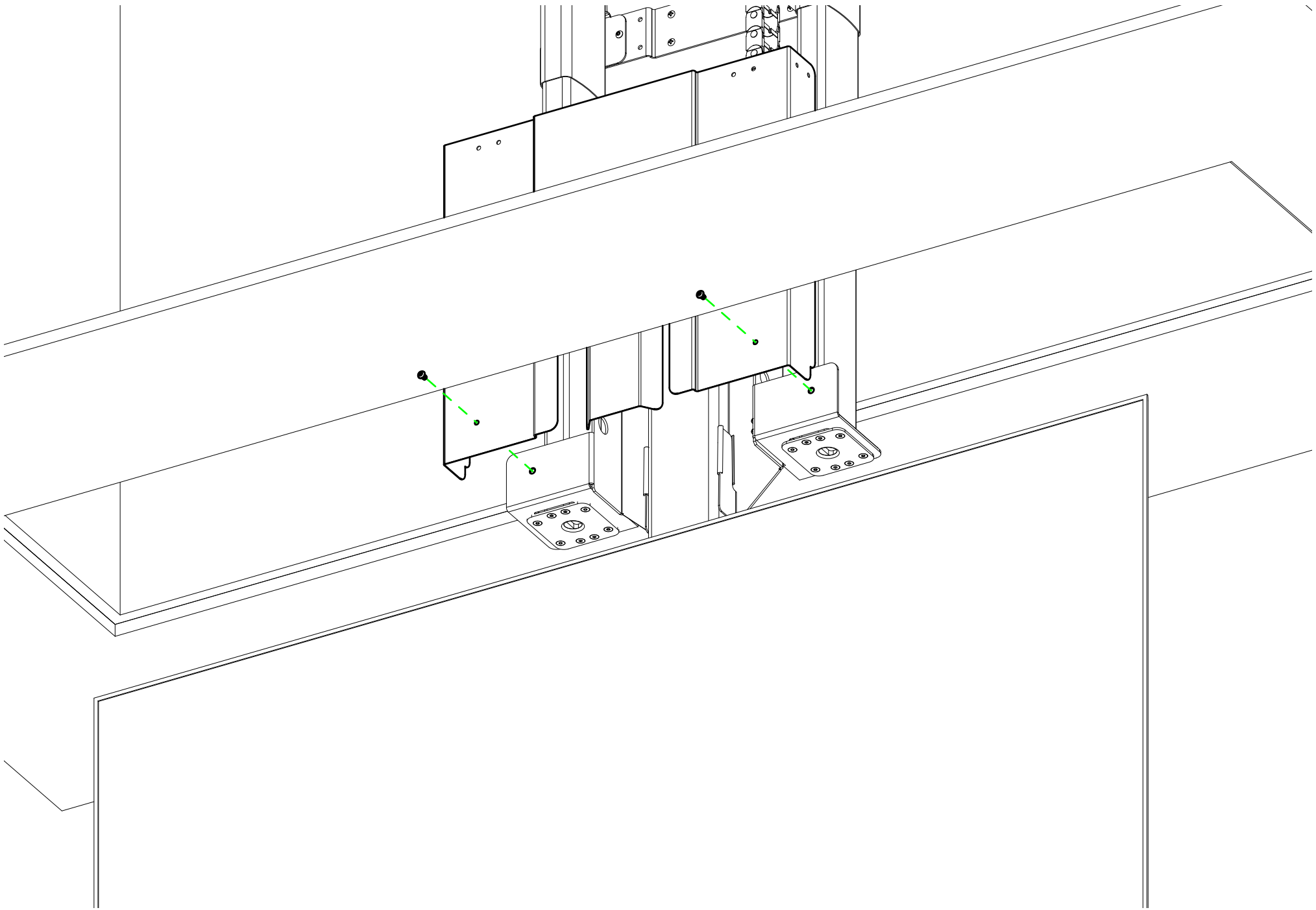


45. Slightly Loosen the Nuts on the Floating Nests, do not remove them.

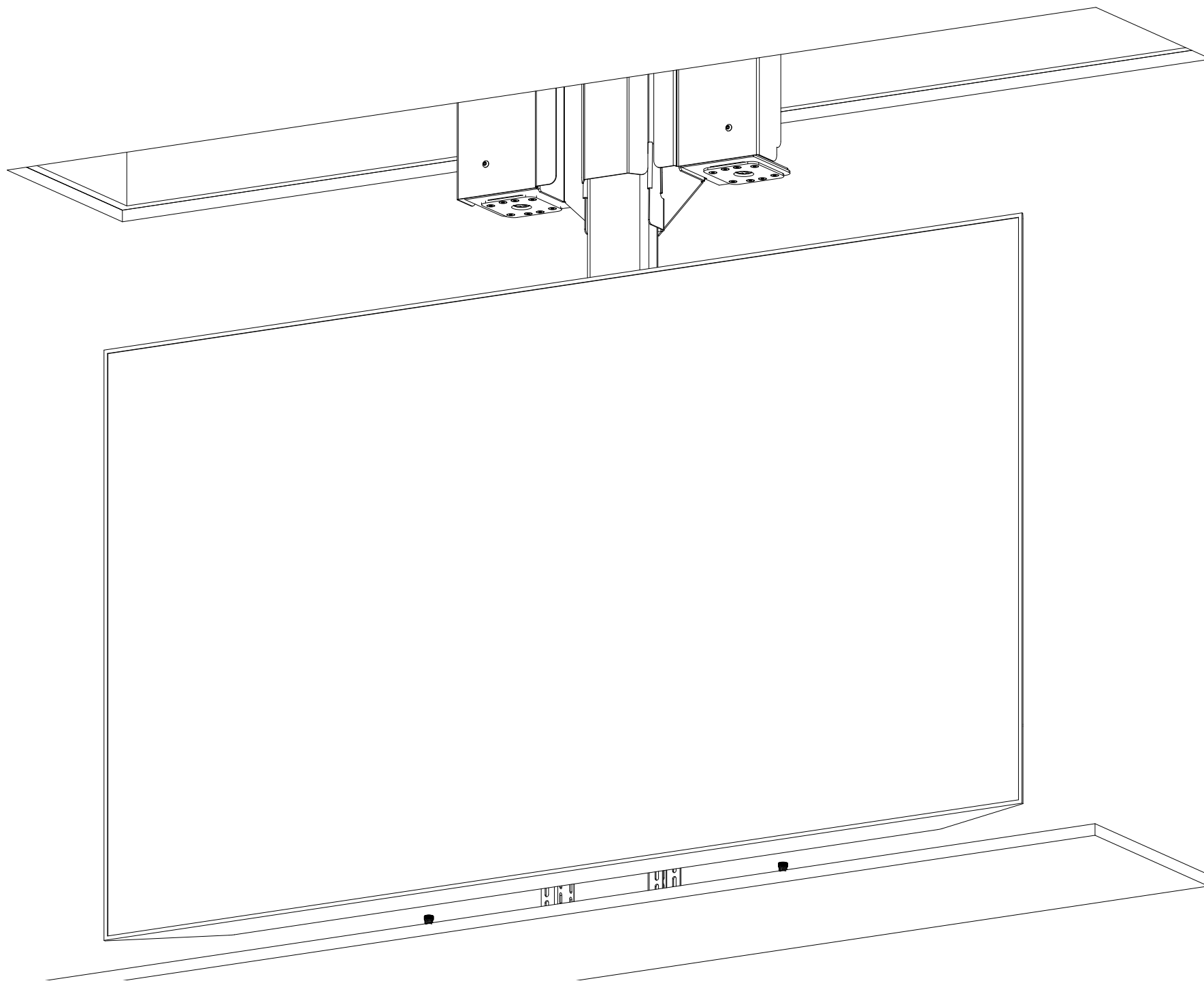
46. Ensure everything is out of the way to operate your lift, then press the "Retract" button on your remote to retract it and test your lid placement. If needed, press the "Extend" button to stop the system at any time.



- 47.** Adjust the position of your lid so that it's centered within your opening, then extend it again.
- 48.** Tighten the Nuts on the Floating Nests, being careful not to shift the position of the lid as you tighten them.



49. Fasten the Front Cover to the Lower Assembly using (2) 6 x 10 BHMS Screws.



Your installation is now complete.

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