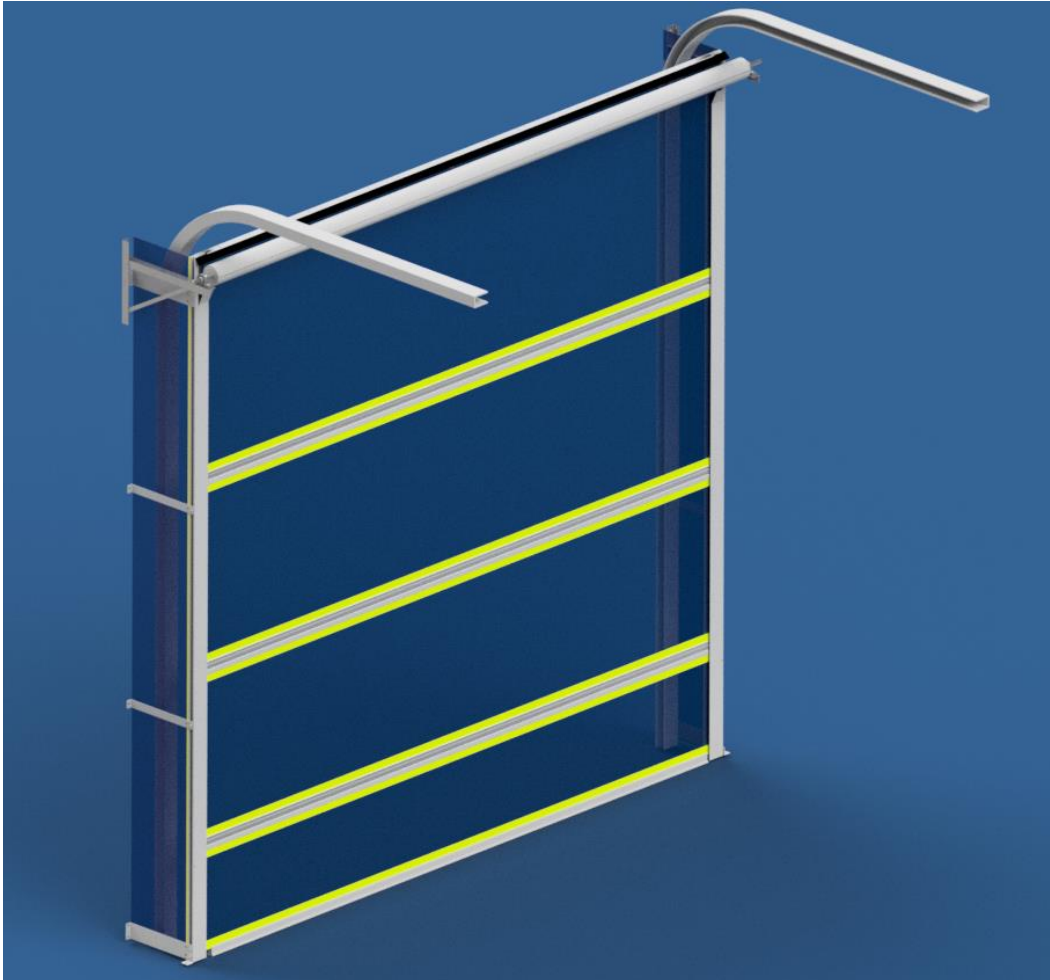


External Motor Driven

Heavy-Duty-Pro™

All Season Roll-Up Doors

INSIDE STANDOFF WALL MOUNTING METHOD INSTALLATION INSTRUCTIONS



READ THIS FIRST

Carefully examine the crate(s) for damage before opening. If the carton is damaged, immediately notify shipping company. Open the carton(s) and remove all protective packaging. Retain the shipping carton(s) until the unit(s) is installed and properly operating. Chase, LLC is not responsible for delayed or late claims.

Serial No: _____ Model #: _____ Date Purchased: _____

Warning

To Reduce the Risk of Fire, Electrical Shock, or Injury, Observe the Following:

- Use the unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.
- Installation work must be done by a qualified person(s) in accordance with all applicable codes and standards.
- When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- All electrical work should be performed in accordance with local and state building codes. If you are in doubt of proper wiring installation, we recommend acquiring the services of a certified electrician.

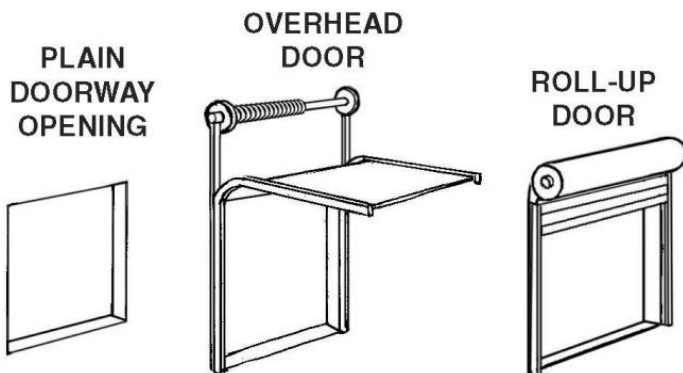
Read and Save These Instructions

Please read the “READ THIS FIRST” note on the front cover of this manual before proceeding.

IMPORTANT NOTE

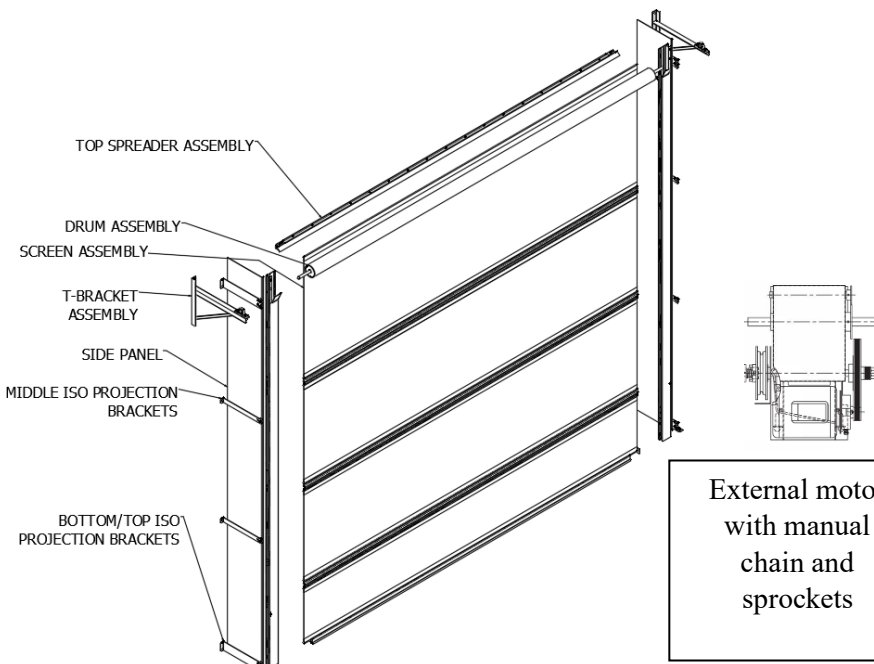
If the Heavy-Duty Pro was ordered with optional electrical components and accessories (door switch, control panels, mounting brackets, etc.), the accessories may be found in an additional box. Check all the boxes before disposing.

TYPES OF DOORS



There are a variety of doors used at both industrial and commercial facilities. Each has a specific opening/closing mechanism. This Heavy-Duty unit has been shipped with hardware to accommodate a standoff wall mounting method. The guide tracks should be mounted projected from the wall and outside the sectional door .

Heavy-Duty Pro Components



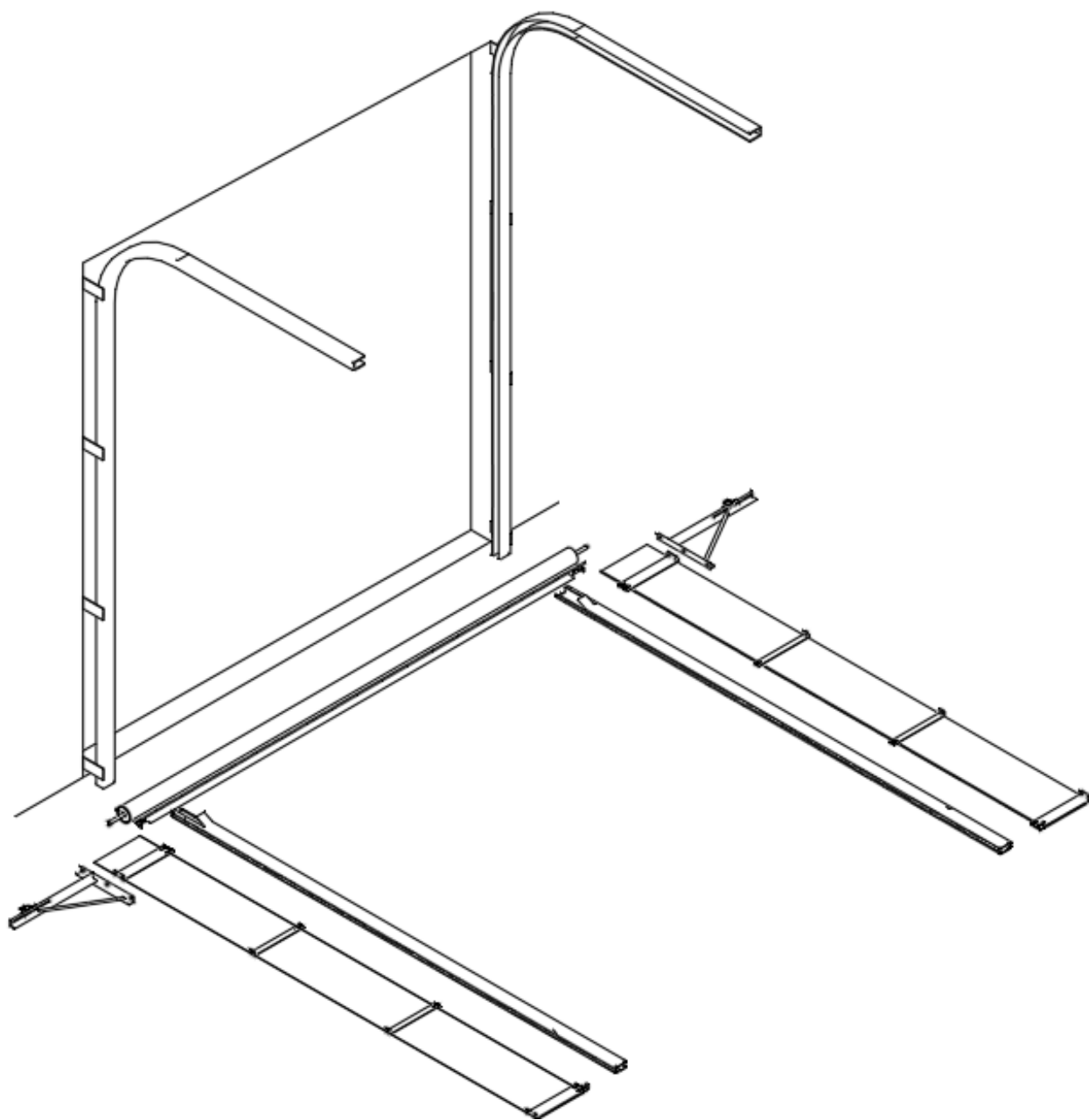
REQUIRED TOOLS

*It is recommended that at least two people install the door together.

- Carpenter's Level (Min. 4' Length)
- Carpenter's Square
- Hammer Drill
- Masonry Drill Bit (For 3/8" Diameter Anchors)
- 3/8" Diameter Wall Anchors
- Assorted Shim Stock
- Socket and Wrench Set
- Hand Tools
- Four Bar Clamps (36" Long)
- Two Ladders
- Forklift

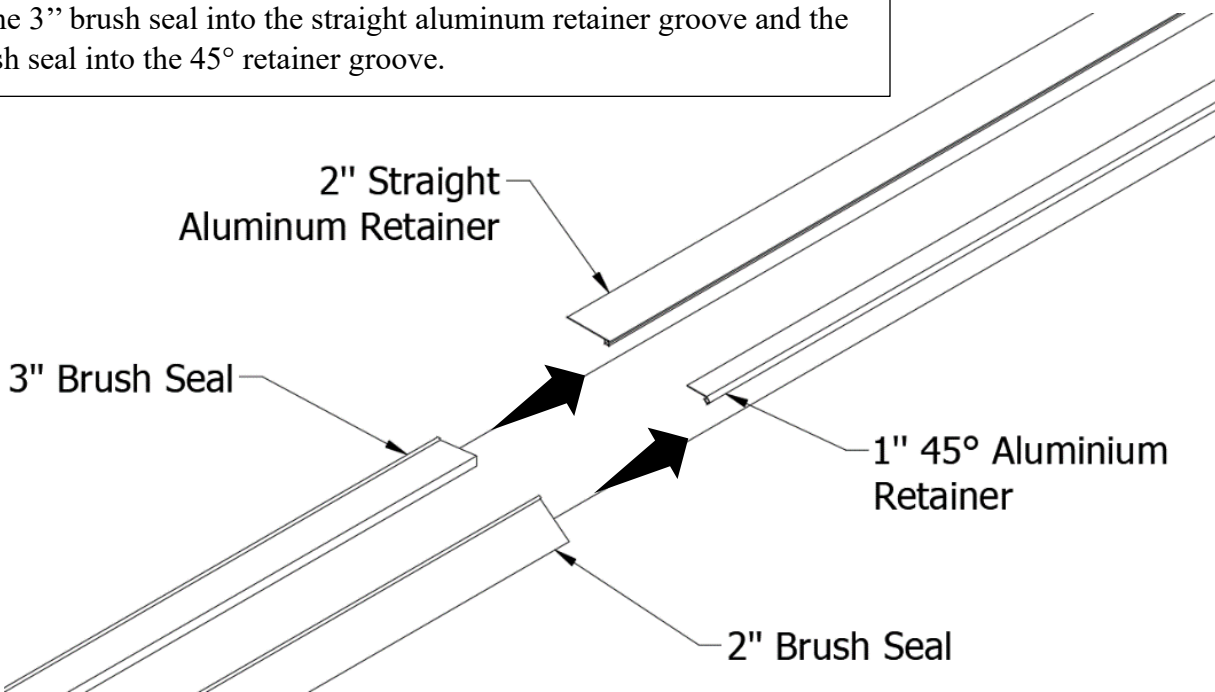
STEP 1

Lay components in front of the doorway opening. Use work horses to make the assembly easier, although it is not essential.

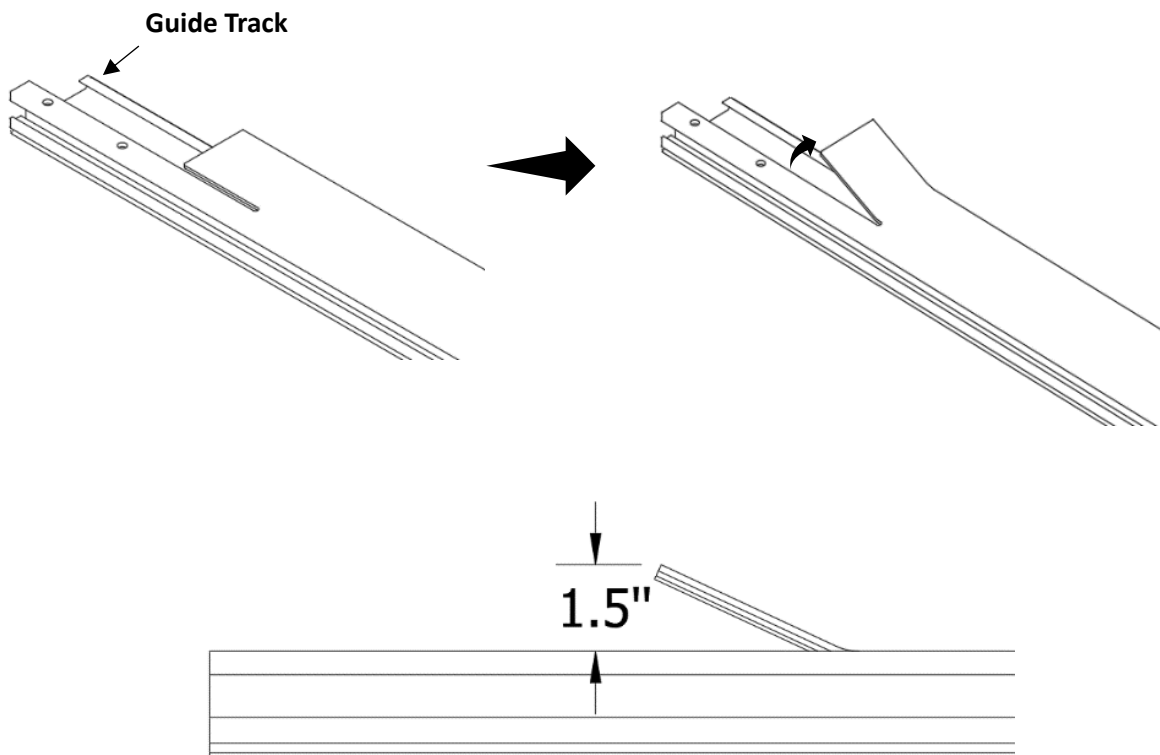


STEP 2

Slide the 3" brush seal into the straight aluminum retainer groove and the 2" brush seal into the 45° retainer groove.

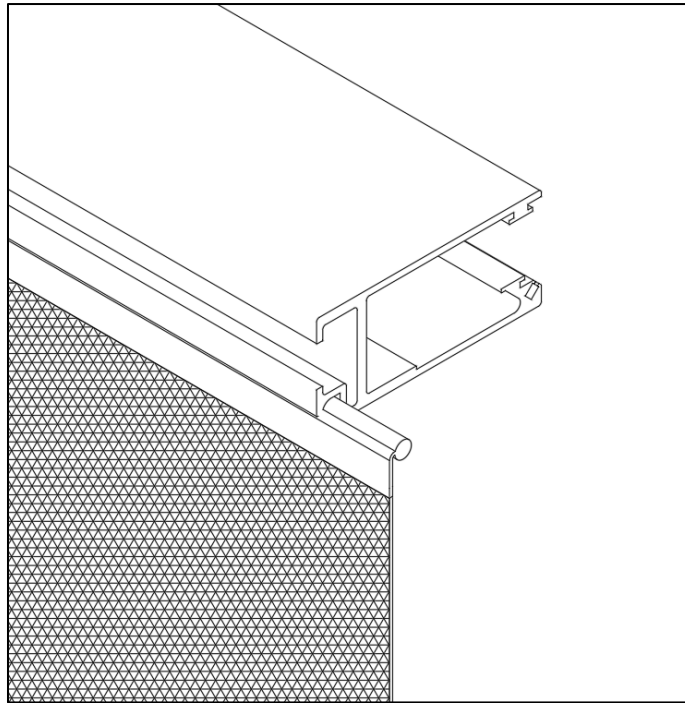


Use a sheet metal hand seamer to flare both top guide track strips out 1 ½ "



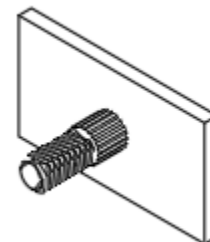
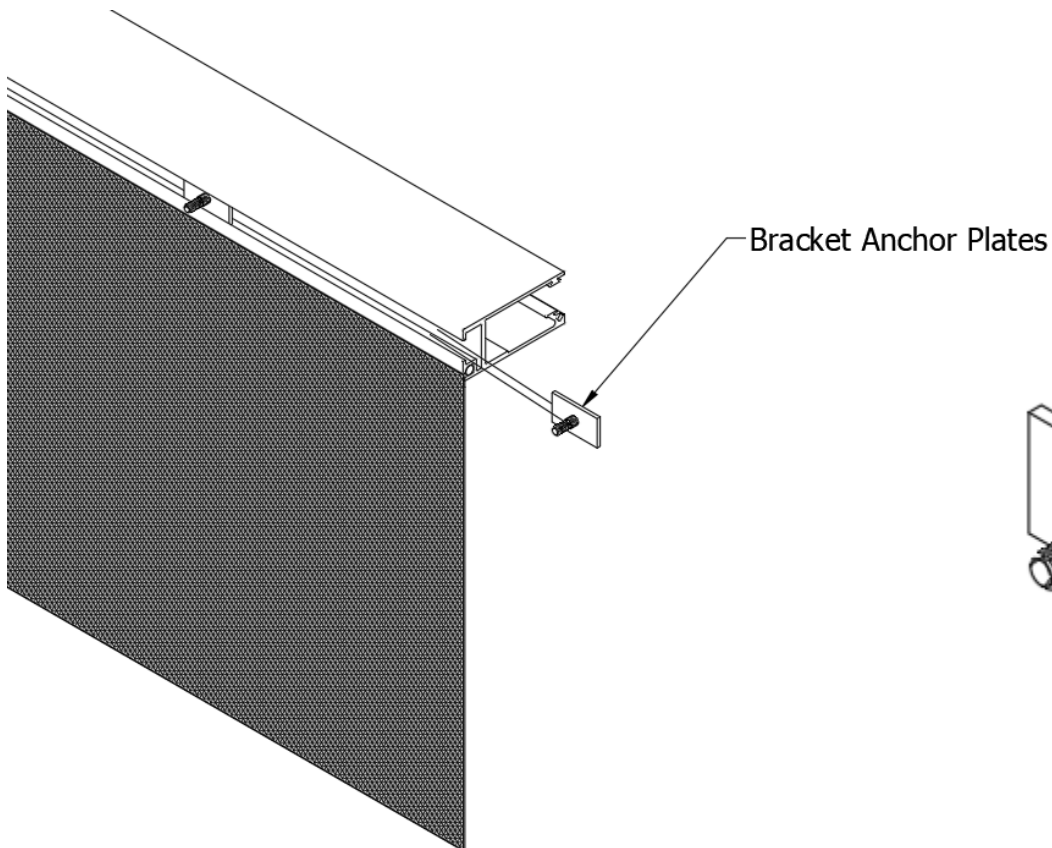
STEP 3

Slide each side screen into the groove that is at the bottom outside edge of the track grooves.



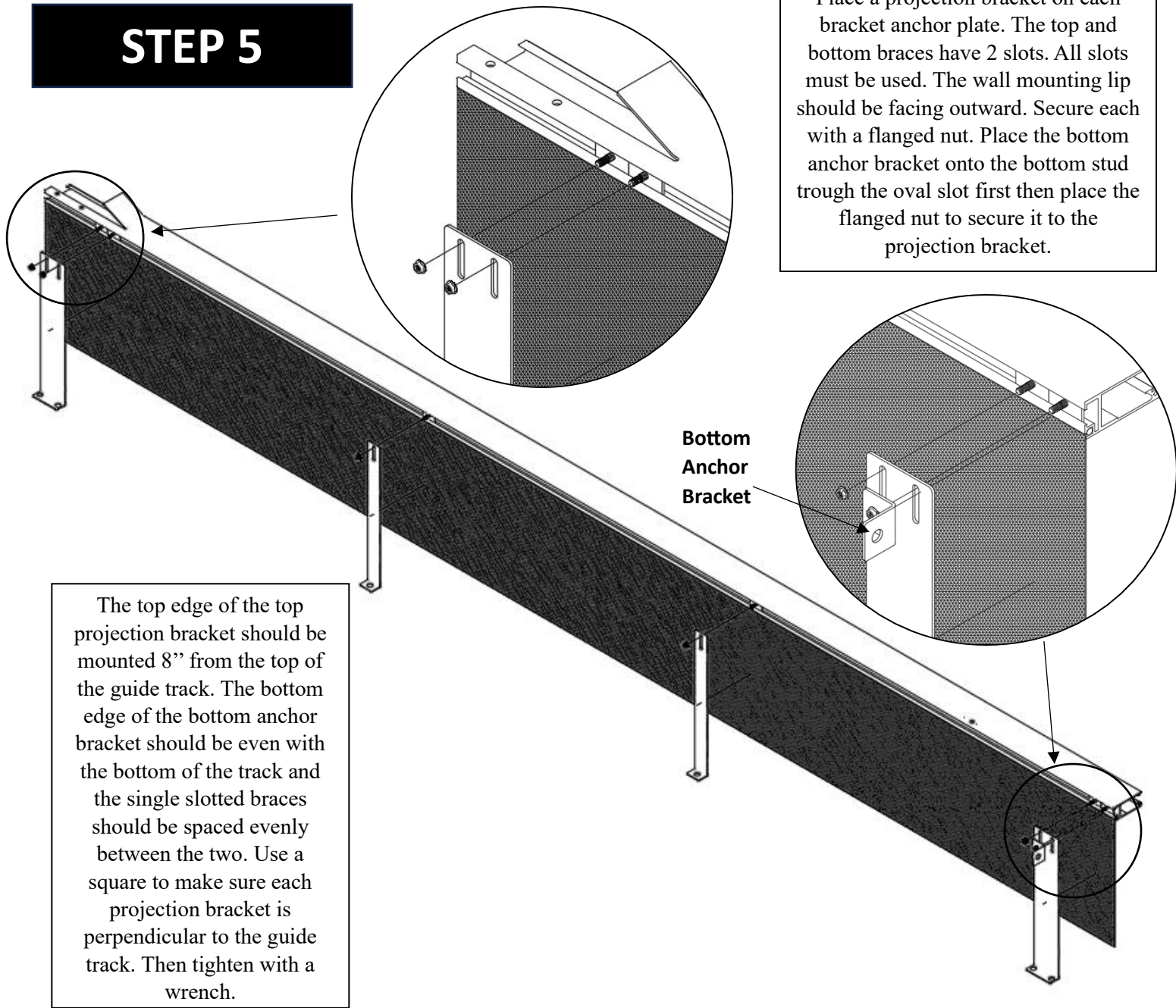
STEP 4

Slide the bracket anchor plates into the guide channel that is on the outside edge of the track guides. Evenly split the bracket anchor plates between the guide tracks.

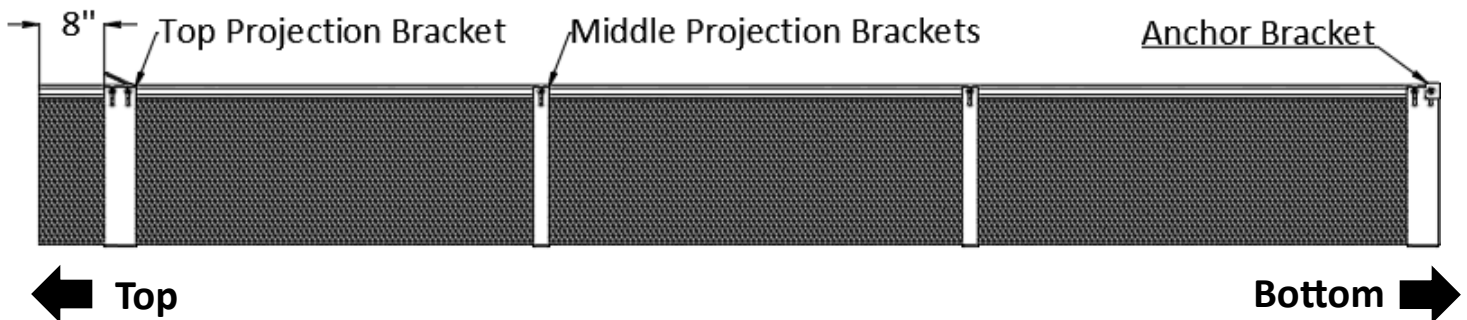


STEP 5

Place a projection bracket on each bracket anchor plate. The top and bottom braces have 2 slots. All slots must be used. The wall mounting lip should be facing outward. Secure each with a flanged nut. Place the bottom anchor bracket onto the bottom stud trough the oval slot first then place the flanged nut to secure it to the projection bracket.



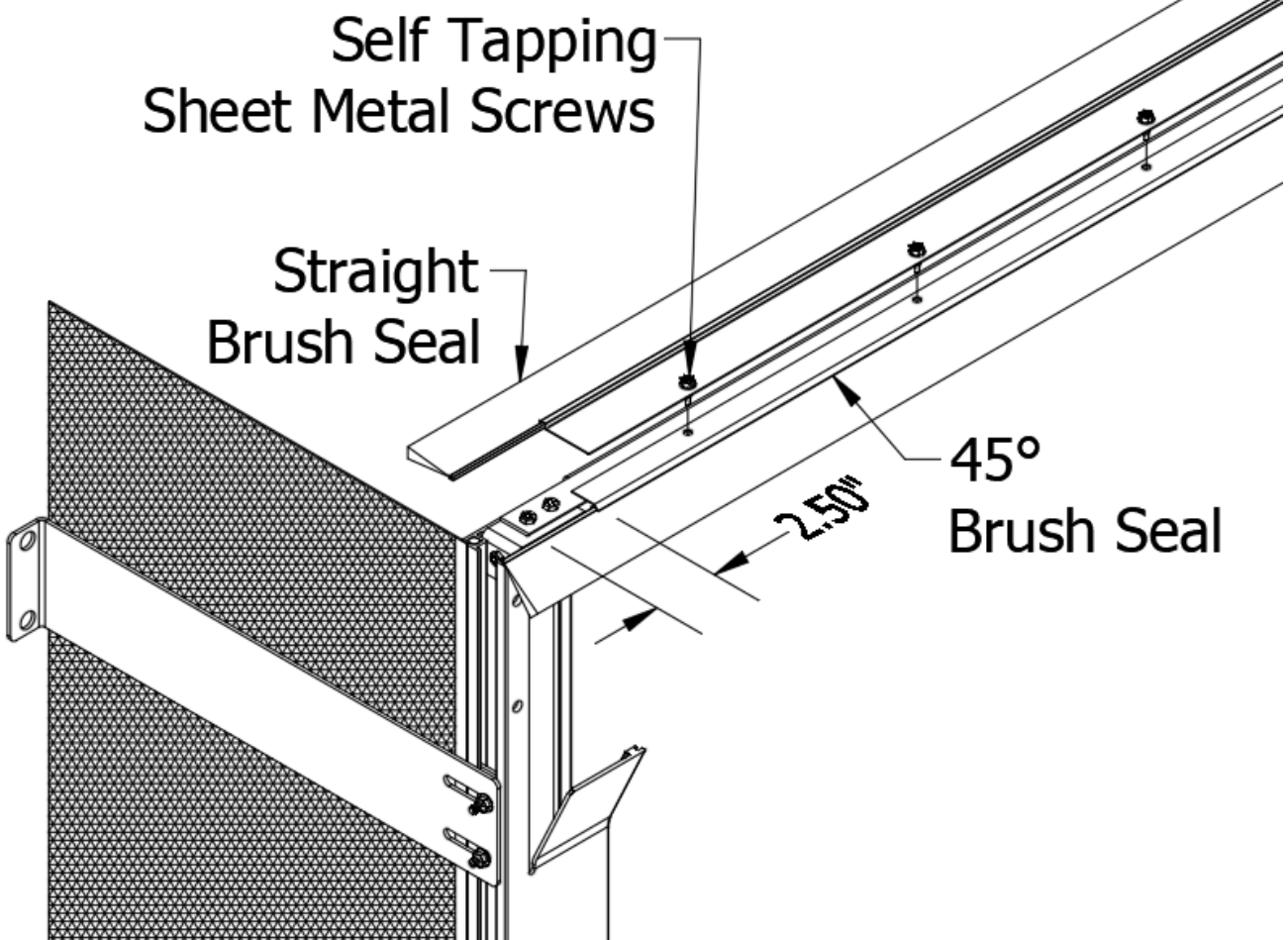
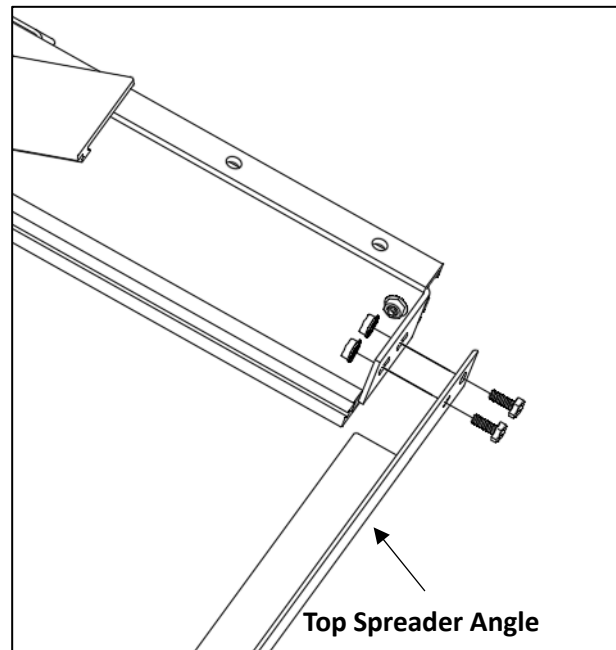
The top edge of the top projection bracket should be mounted 8" from the top of the guide track. The bottom edge of the bottom anchor bracket should be even with the bottom of the track and the single slotted braces should be spaced evenly between the two. Use a square to make sure each projection bracket is perpendicular to the guide track. Then tighten with a wrench.



STEP 6

Place the top spreader angle piece on top of the two brackets oriented so that the angled edge is against the wall face of the assembly. Insert two 5/8" hex bolts into the two holes and secure the angle to the bracket with two flanged nuts. Repeat the process for the other side.

Place the 45° brush seal bar assembly onto the top spreader oriented so the brush seal is facing the bottom of the door and there is 2.5" clearance edge to edge with the top spreader. Place the straight brush seal assembly over top, oriented in the opposite direction and flush with the other brush assembly. Clamp the two assemblies down and drill through the assemblies and top spreader with a 1/4" drill bit. Insert and fasten self-tapping sheet metal screws to secure the brush seals to the top spreader.



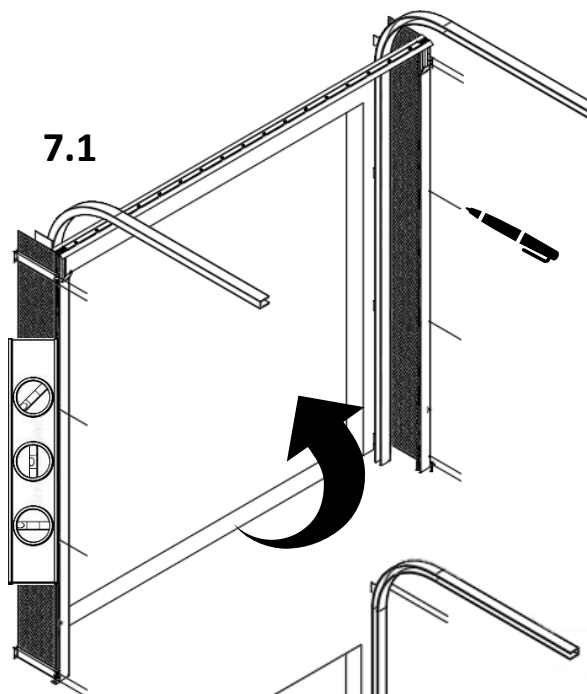
STEP 7

Using a helper, swing the assembly into place and center it on the doorway opening. The bottom of the guide tracks should be on the floor and the projection brackets should be flush against the wall. Make sure that each guide track is plumb with the opening edge (7.1). Mark each of projection bracket holes **except for the two bottom anchor brackets**.

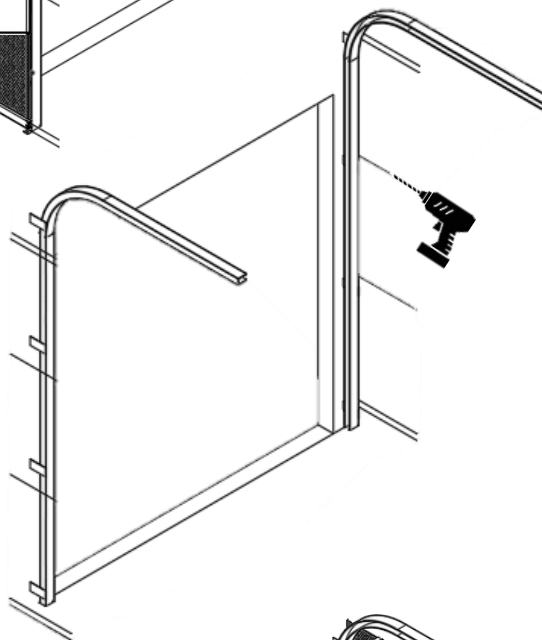
Remove or temporarily secure the assembly and drill holes at each of the marked locations (7.2). Secure the brackets to the wall with 3/8" wall anchors (not included). **DO NOT DRILL OUT THE 2 BOTTOM ANCHOR BRACKETS YET.**

Replace the assembly and secure it to the wall using appropriate anchors (7.3).

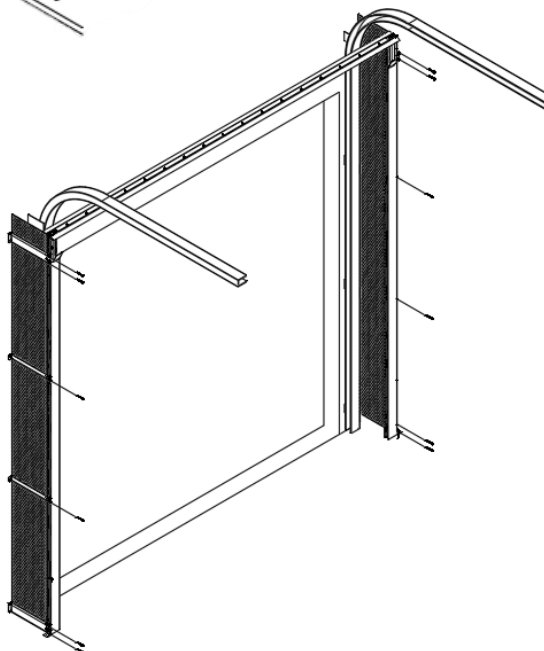
7.1



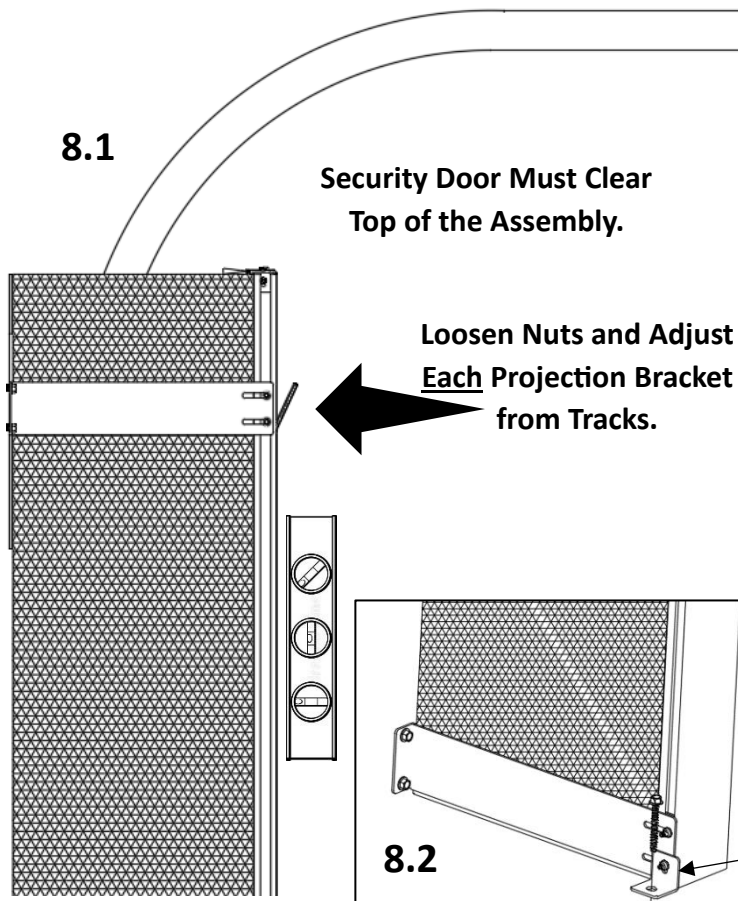
7.2



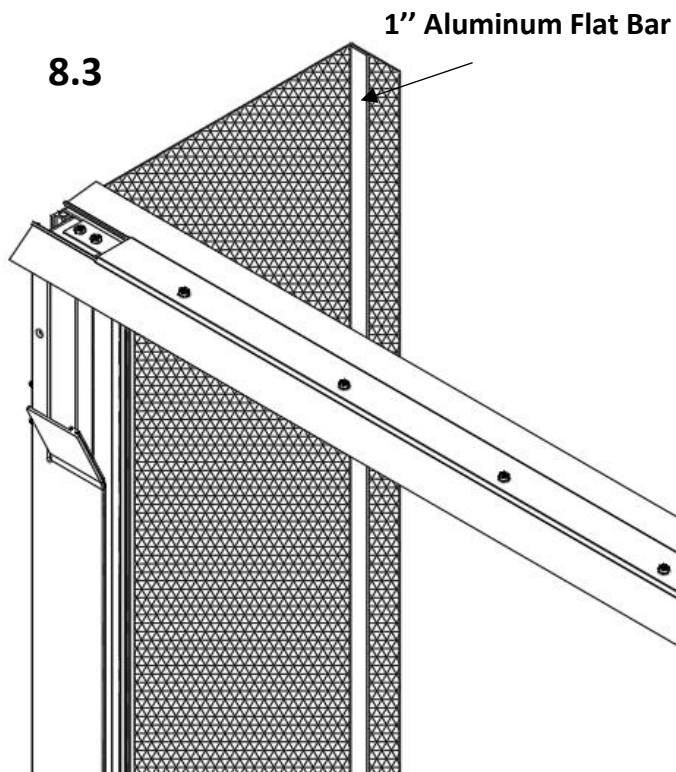
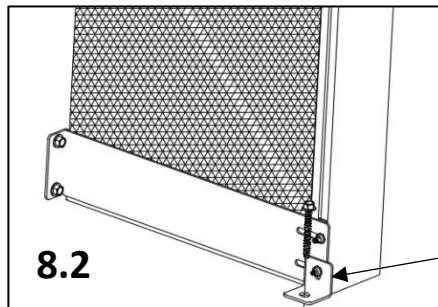
7.3



STEP 8



The assembly may need to be moved toward the wall. The distance is determined by the space needed for any door handle(s) that are attached to the security door. First, slightly loosen all bracket anchor plate nuts. Then run the security door up rail to make sure the handle(s) clear the top of the Heavy-Duty Pro assembly. Adjust the guide tracks in the slot. Once the adjustment is made, make sure the track is plumb and tighten all bracket anchor plate nuts (8.1). Drill through the bottom anchor brackets and fasten with appropriate fasteners (8.2).

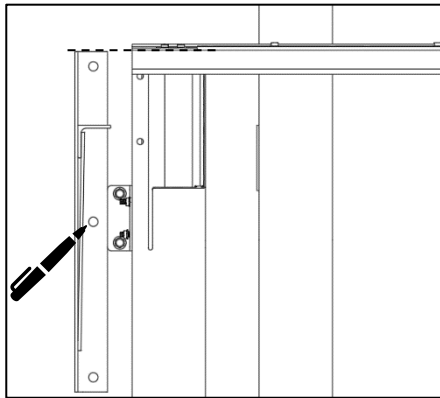


At this point the side screens might need to be trimmed using scissors or a utility knife. The screen should be 3" wider than the distance from the guide track to the wall. Carefully place the excess material against the wall, fold material toward the doorway opening and use appropriate fasteners (not included) to pinch the side screen between the flat bar and the wall. (8.3).

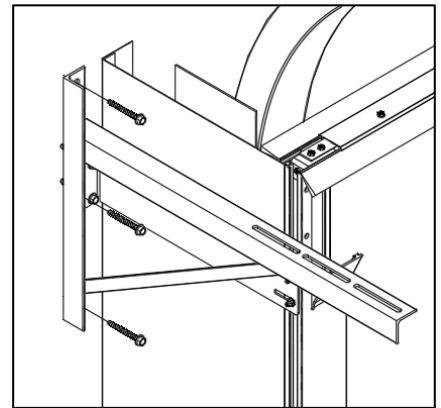
STEP 9

Orient the T-brackets so the inside edges are against the anchor brackets and the top edges are aligned to the top of the guide tracks (9.1). Ensure that the T-bracket is flush with the top of the guide track. Mark the center of the three mounting holes and set the T-bracket aside. Drill holes into the wall at the marked locations. Then secure the T-brackets to the wall with 3/8" wall anchors (not included) (9.2).

9.1

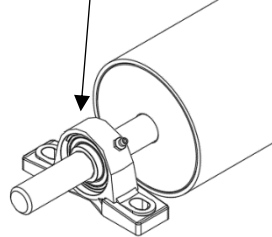


9.2

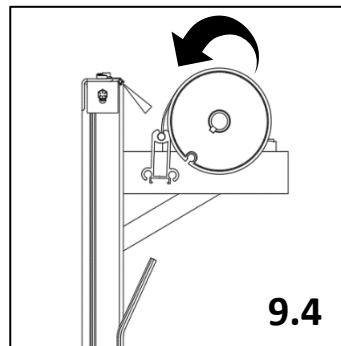


Pillow Block Bearing

9.3



9.4



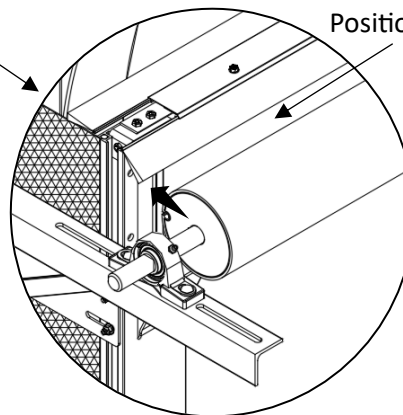
WARNING

DO NOT REMOVE THE
ROLL TIES FROM THE
ROLL.

Slide on the pillow block bearings onto both ends of the drum roll and fasten the set screws on the bearing (9.3). Orient the roll so that the screen will unravel toward the opening and into the guide tracks as shown (9.4). Using a forklift, lift the roll safely onto the T-brackets until the roll sits on the brackets. Have two people hold each end. Line up the bearing with the slots in the T-bracket. Adjust the position along the slots so that the roll is just touching the brush gasket, and secure the bearing with two carriage bolts and a nut (9.5). Then repeat the process for the opposite end. Ensure the roll is parallel to the wall. **DO NOT CUT THE ROLL TIES ON THE ROLL.**

9.5

Position Roll Touching
Brush



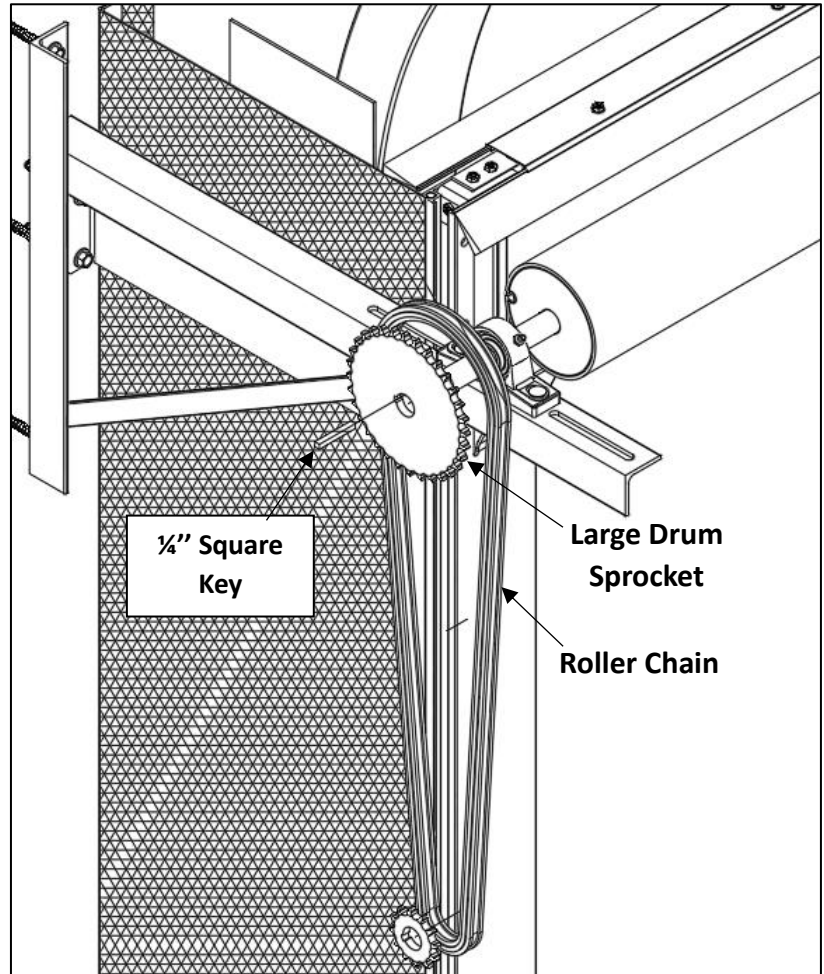
STEP 10

Unpackage the external motor and remove the hardware from the packaging. There will be two sprocket types in the package. Check the motor drive side for motor placement. Place the larger sprocket over the shaft of the drum. Switch sprockets if necessary. Then insert the ¼" square key into the shaft to secure the sprocket in place and fasten the set screws. Place the link chain over the sprocket.

Follow the motor instruction guide found in the package for more information in installing the external motor.

Have a qualified electrician mount and install motor and electrical wiring if there are any reservations in performing this task.

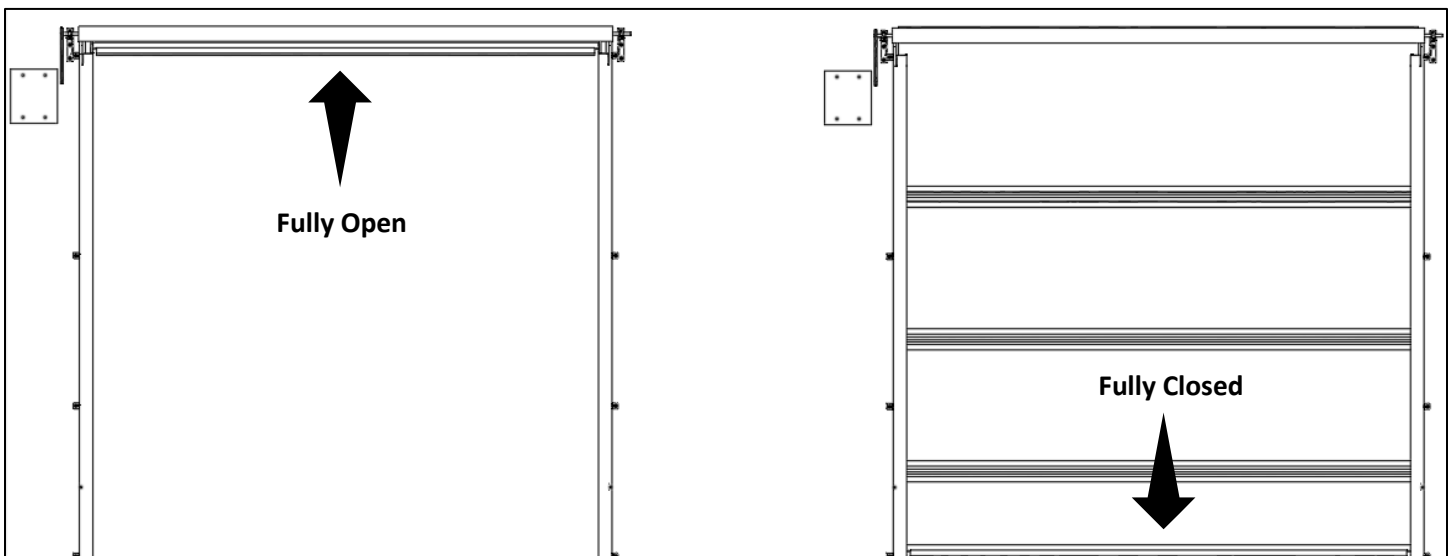
Remove the roll ties after motor is installed and guide the bottom bar into the guide tracks.



Referring to the motor instructions, set the open and close end limits for the door operator.

Adjust the open limit so that the bottom edge of the door is flush with the opening and will not come out of the guide tracks.

Adjust the close limit to orient the door to its fully closed position, where the bottom edge of the bottom bar is pressed evenly to the floor.



Start Up and Trouble Shooting

Start Up:

- Cycle the door to its fully open and fully closed position and verify the bottom bar lays flat and parallel to the floor and the top of the opening.
- Verify the door rolls up and down smoothly when operating.
- Verify that there are no potential obstructions in the opening that could affect the door's operation. Remove any potential obstructions.
- Verify that each guide track is plumb and square.
- Verify the header is level.

Trouble Shooting:

Issue	Check	Else
Missing Hardware	All Packages, refer to instruction to verify it is not customer supplied	Contact Customer Service
Door is off alignment with opening	Guide tracks are level, opening measurements on order match actual opening	Contact Customer Service
Bottom edge is not parallel to floor	Pull down material when closed	Contact Customer Service
Door does not roll up/down properly	Chain is secured to sprocket, level header and tracks, motor instructions, door not binding in tracks	Contact Customer Service

Customer Service Contacts:

Email: orderdesk@tmi-pvc.com

Phone #: 800-888-9750

WARNING

ALL INSTALLATION INSTRUCTIONS MUST BE FOLLOWED AND ALIGNMENT REQUIREMENTS MUST BE MET. ENSURE CRITICAL COMPONENTS ARE PLUMB AND SQUARE AND THE HEADER IS LEVEL TO ENSURE PROPER PERFORMANCE OF THE DOOR.

ALL CHASE-TMI PRODUCTS ARE WARRANTIED UP TO 12 MONTHS AFTER INITIAL PURCHASE

(See Warranty Below)

TMI INTERNATIONAL, LLC

12 MONTH LIMITED WARRANTY

This product has been manufactured and tested to the quality standards of TMI International, LLC, hereafter called TMI. This limited warranty covers defects in materials or workmanship in new TMI products. This warranty is extended to the original purchaser only and is non-transferable. Before using, buyer and/or the ultimate user shall determine the suitability of the product for its intended use, and user assumes all risks and liability in connection therewith.

What is Covered?

TMI warrants this product against defect in materials or workmanship as follows:

TMI will repair at no charge for parts only or, at its option, replace any product or part that proves defective because of improper workmanship and/or materials, under normal installation, use, service, and maintenance. If TMI is unable to provide a replacement and repairs are not practical or cannot be made in a timely fashion, TMI may elect a refund of the purchase price in exchange or the return of the product.

How Long Does the Coverage Last?

TMI's warranty period is 12 months from the documented date of purchase.

What Our Warranty Does Not Cover:

TMI's warranty does not cover any problem that is caused by:

Conditions, malfunctions, or damage not resulting from defect in materials or workmanship.

1. Conditions, malfunctions or damage resulting from normal wear and tear, improper installation, improper maintenance, misuse, abuse, negligence, accident, or alteration
2. Accessories, connected materials and products, or related products not manufactured by TMI.
3. TMI's warranty does not cover any labor or freight charges; any cost associated with labor and/or freight is the responsibility of the installing dealer.

How to File a Claim:

TMI will not provide any warranty coverage unless claims are made in compliance with all terms of the controlling warranty statement and proper return procedure is followed. To request warranty service, the following must be provided:

1. The sales order confirmation or other evidence of the date of purchase
2. A complete description of the problem
3. Delivery of the product or defective part, postage, and/or freight prepaid to:

TMI, LLC

Attn: Warranty

5350 Campbells Run Rd

Pittsburgh, PA 15205

When warranty service is completed, any repaired or replacement product or part will be returned, postage and/or freight prepaid.

REPAIR OR REPLACEMENT (OR, IN LIMITED CIRCUMSTANCES, REFUND OF THE PURCHASE PRICE) AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. TMI NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO CREATE FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH THIS PRODUCT.

TMI SHALL NOT BE LIABLE TO PURCHASER OR ANY OTHER PERSON FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, ARISING OUT OF BREACH OF THIS WARRANTY OR ANY IMPLIED WARRANTY (INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY).

How Does State Law Apply?

The laws of the state of Pennsylvania, USA, govern our warranties. It gives you specific legal rights, and you may also have other rights that vary from state to state. Our warranties do not affect any additional rights consumers have under laws in their jurisdictions governing the sale of consumer goods. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the limitations or exclusions in our warranty statements may not apply. You may be required by law to give a reasonable opportunity to correct or cure any failure to comply before you can bring any action in court against us under the

