

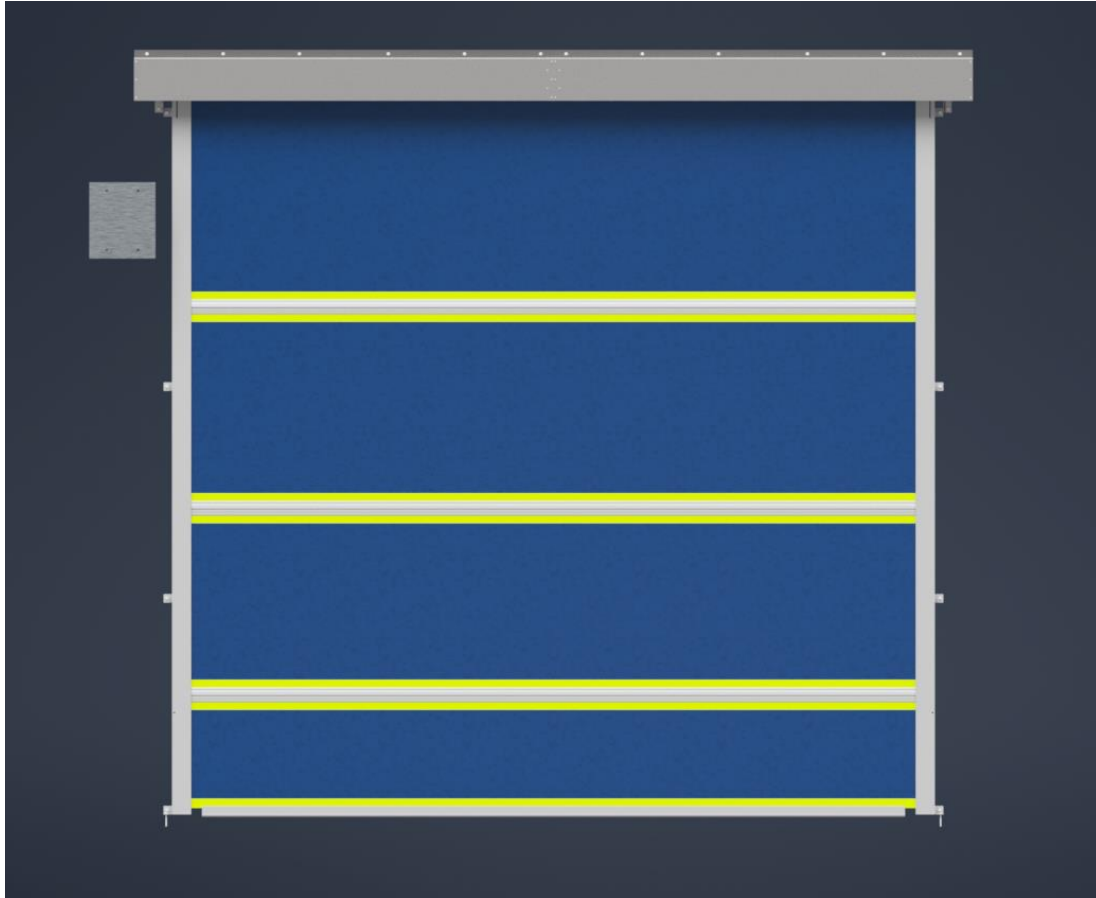
External Motor Driven

# Heavy-Duty-Pro™

All Season Roll-Up Doors

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## 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. TMI, 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.

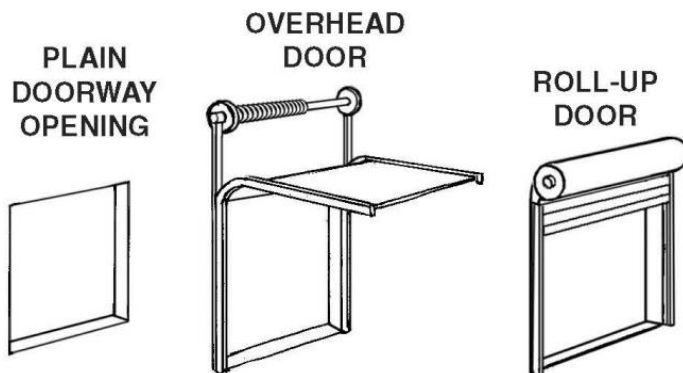
## ***Read and Save These Instructions***

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

### **IMPORTANT NOTE**

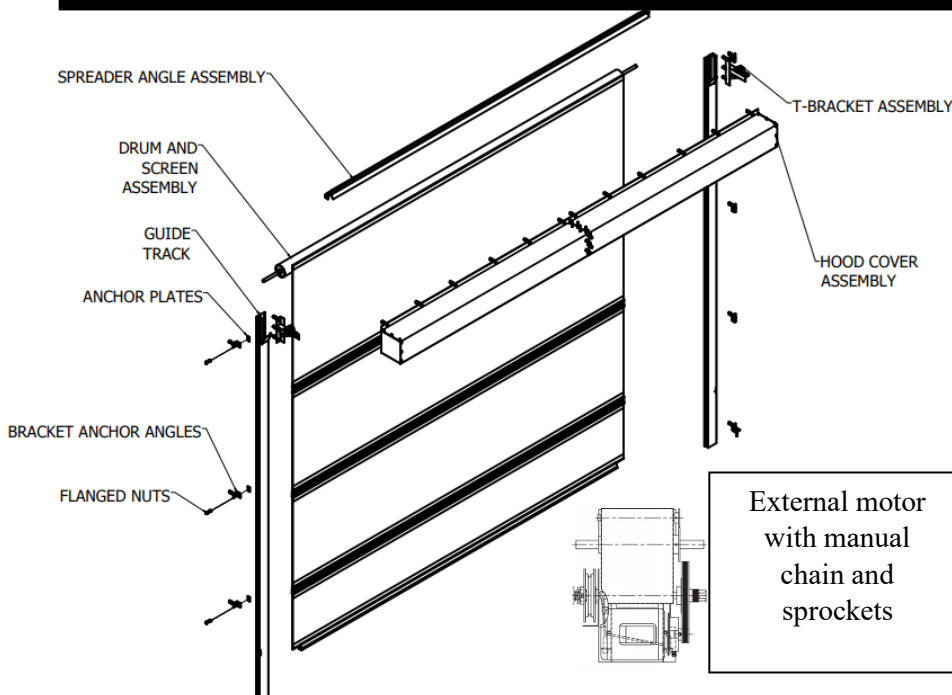
If the Heavy-Duty Pro a was ordered with optional electrical components and accessories (door switch, control panels, mounting brackets, etc.), the accessories may be found in an additional box. Check all the boxers before disposing.

## **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 wall mounting method. The guide tracks should be mounted flush against the wall.

## **Heavy-Duty Pro Components**



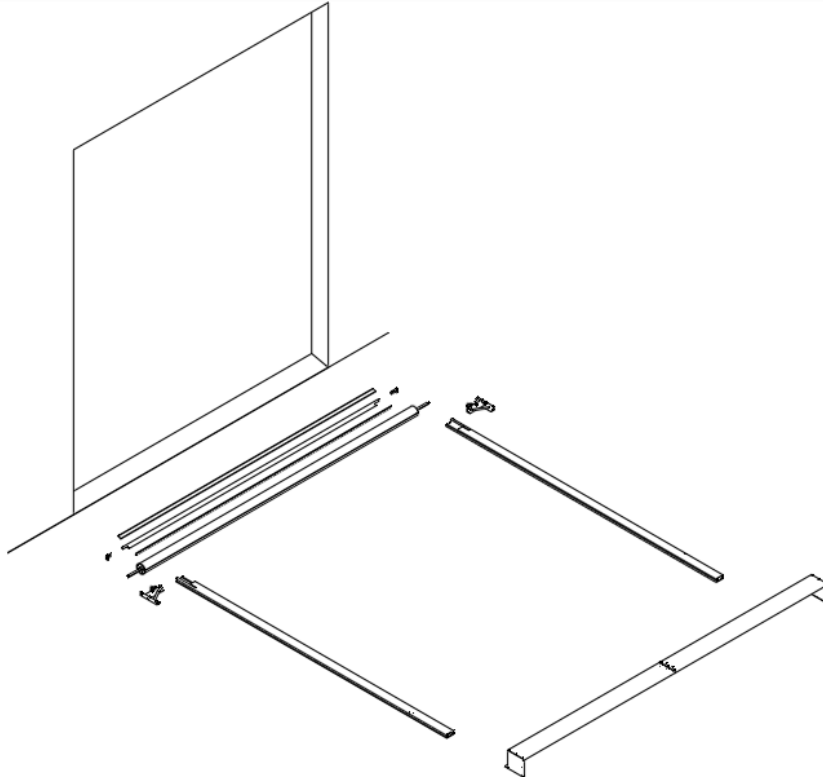
### **REQUIRED TOOLS**

\*It is recommended that 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 and Various Wall Anchors
- Assorted Shim Stock
- Socket and Wrench Set
- Hand Tools
- Four Bar Clamps (36" Long)
- Two Ladders
- Forklift (Supplied by Dealer or Customer)

## STEP 1

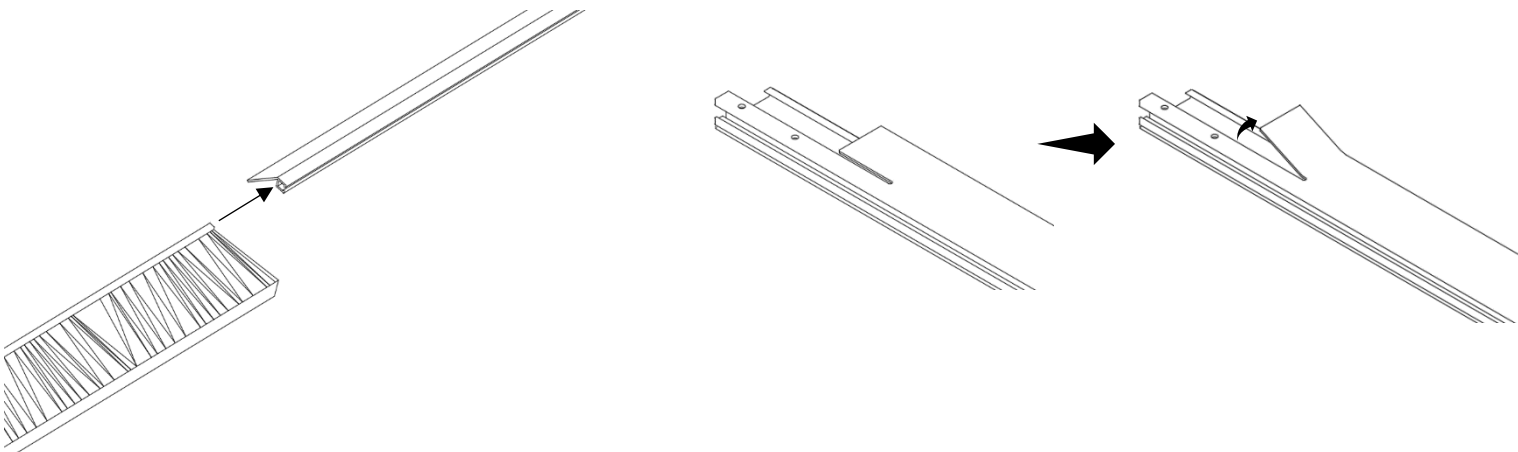
Lay components in front of the doorway opening. Use work horses to make the assembly easier although it is not essential.



## STEP 2

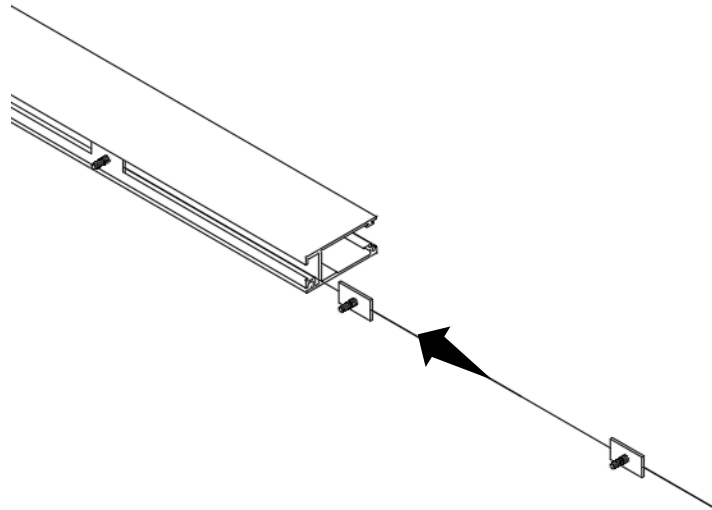
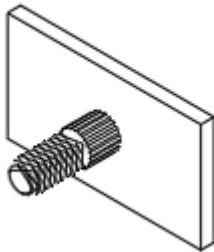
Slide brush seal into the brush seal bar

Use sheet metal hand seamer to flare both top guide track strips out 1 1/2 "

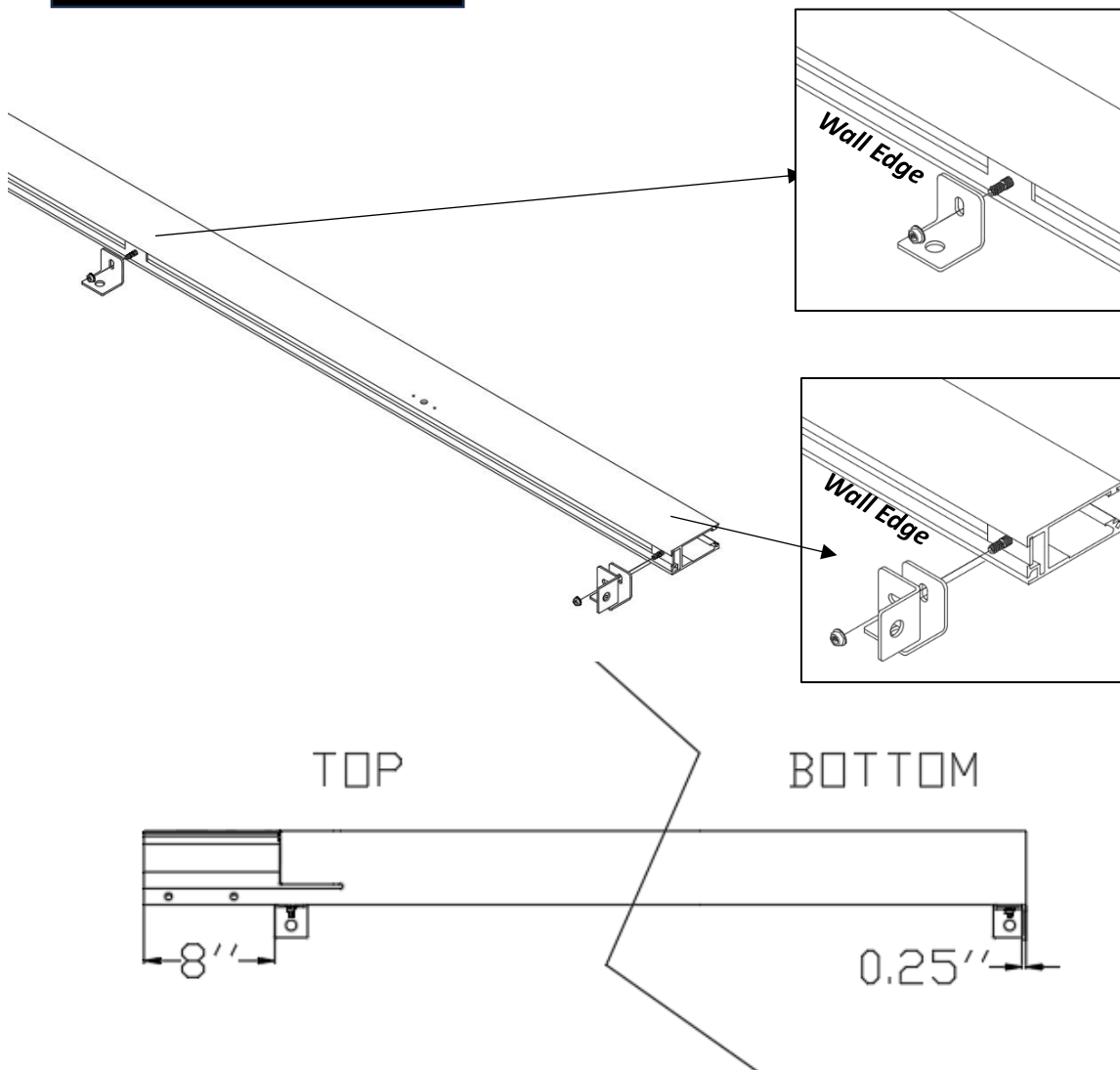


## STEP 3

Slide bracket anchor plates into outside edge guide channel of both guide tracks. There will be 4 plates for each guide track for doors up to 14' tall.



## STEP 4



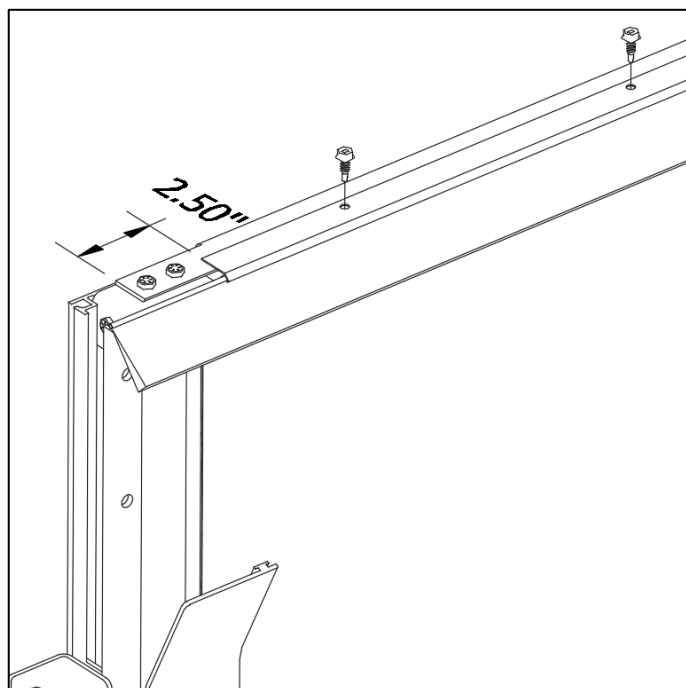
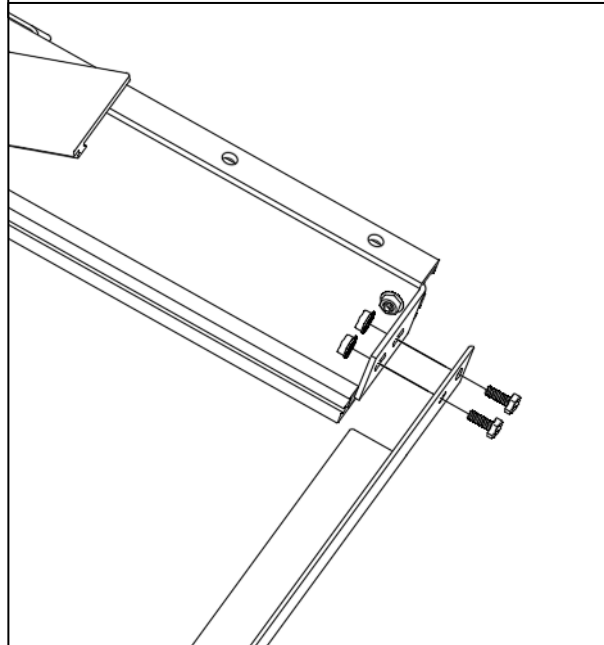
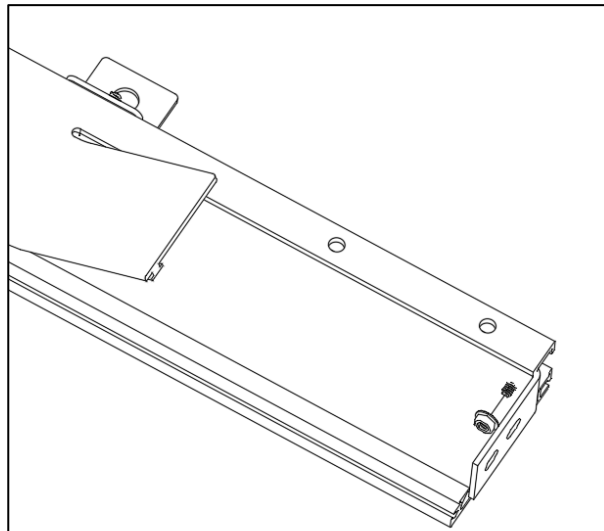
Place a bracket angle over each anchor plates with the oval hole placed over the threaded stud. Orient the bracket so that the top bracket is 8" from the top of the guide track and the bottom bracket is 0.25" from the bottom of the guide track. Then place a second bracket angle over the bottom angles so that the bottom flange is flush to the bottom edge of the guide track. Orient the remaining brackets so they are spread evenly between the two. Place a flanged nut over each stud and tighten. Square the angle brackets so that they are perpendicular to the track and flush flat with the wall edge. Then use wrench to tighten each flange nut.

## STEP 5

Place both top spreader brackets over the top edge of each guide track and insert a 5/8" hex bolt to secure to the guide track with a flanged nut.

Place the long 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 brush seal bar over the angle so there is 2.5" edge to edge oriented so that the brush is angled down. Ensure the bar is square with the angle along the entire length and clamp the piece in place. Drill through the bar and angle with a 1/4" drill bit in even intervals along the bar length. Insert and fasten self-tapping sheet metal screws to secure the bar to the angle.

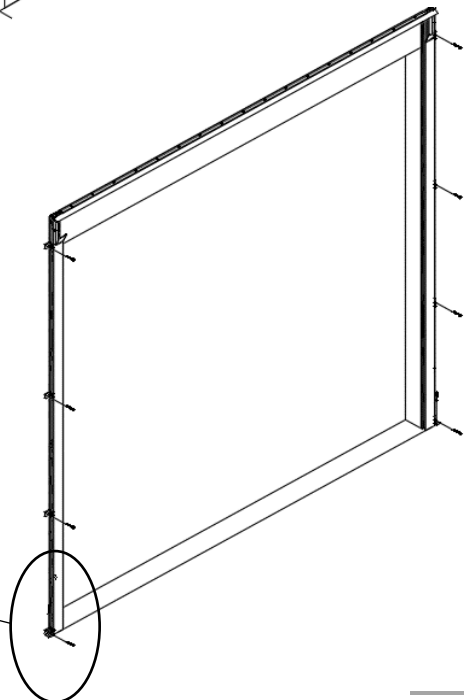
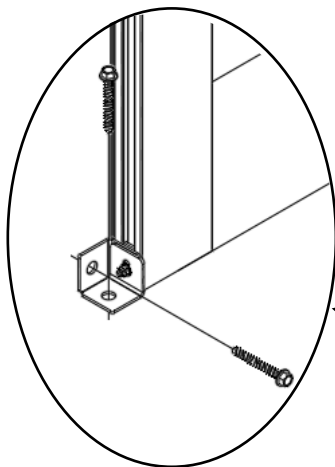
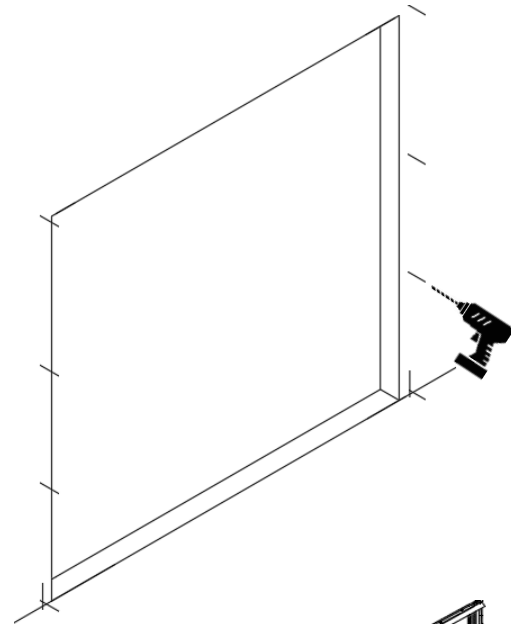
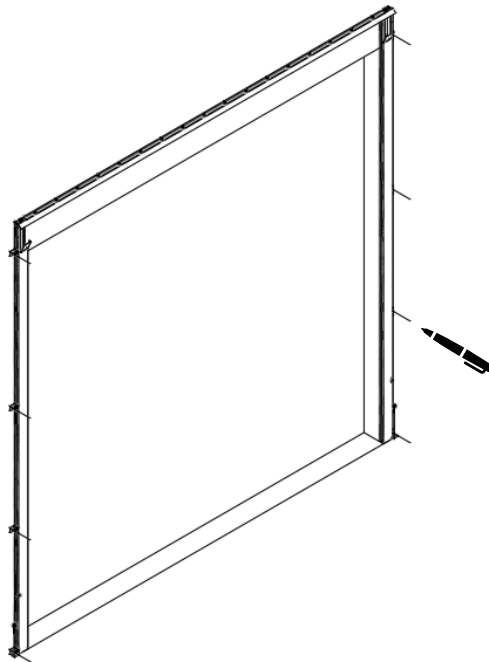
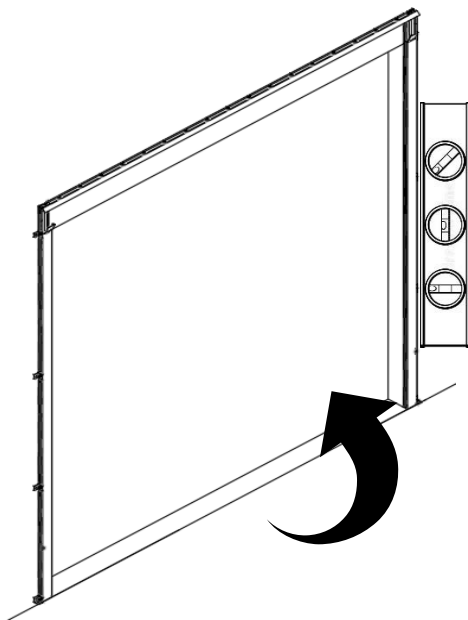


## STEP 6

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 bracket anchor angles should be flush against the wall. Make sure that each guide track is plumb with the opening edge. Mark each of wall anchor bracket holes including the two floor anchor brackets.

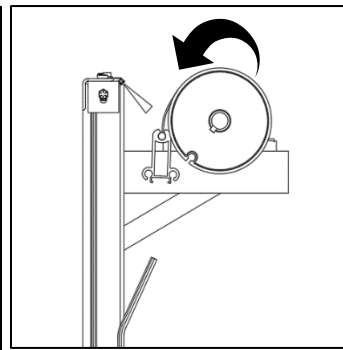
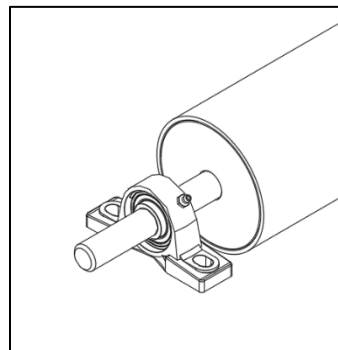
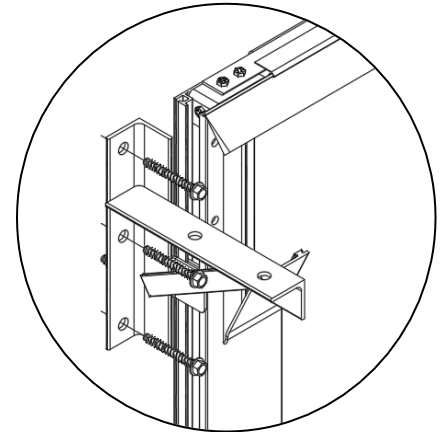
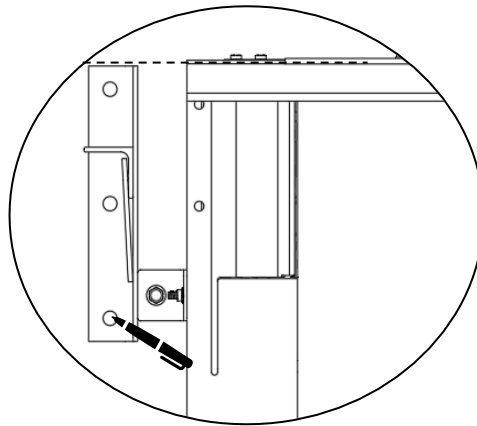
Remove the assembly and drill holes at each of the marked locations. If the wall is concrete or cement block, wall anchors (not included) will be necessary.

Replace the assembly and secure it to the wall using lag screws.



# STEP 7

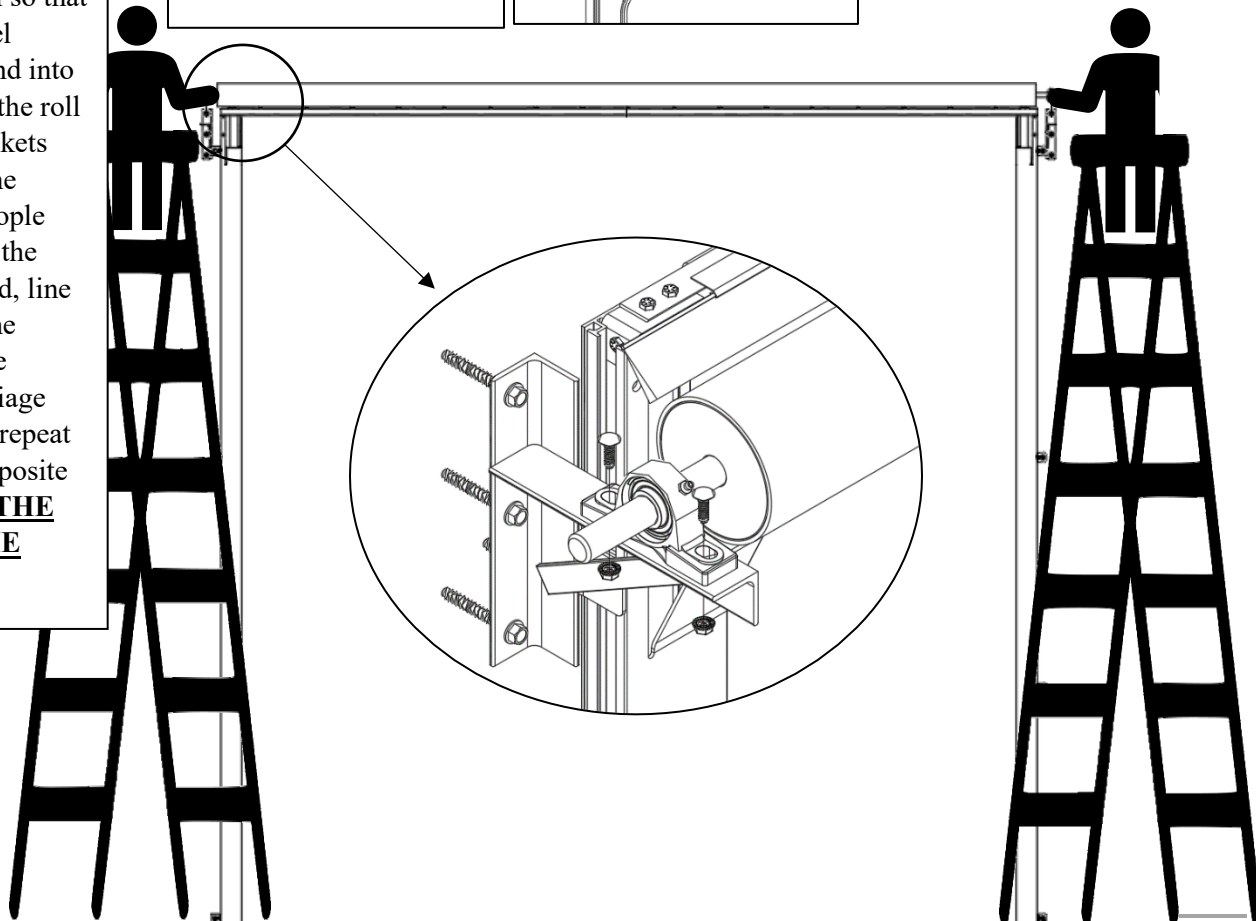
Orient the brackets so the inside edges are against the anchor brackets and the top edges are aligned to the top of the guide tracks. Ensure that the bracket is plumb with the guide track. Mark the center of the three mounting holes and set the bracket aside. Remove the brackets and drill holes into the wall at the marked locations. Then secure the brackets to the wall with anchor bolts.



## WARNING

DO NOT REMOVE THE  
ROLL TIES FROM THE  
ROLL.

Slide on the pillow block bearings onto both ends of the drum roll oriented as shown. Orient the roll so that the screen will unravel toward the opening and into the guide tracks. Lift the roll safely onto the T-brackets until the roll sits on the bracket. Have two people hold each end. While the other end is being held, line up the bearing with the bracket and secure the bearing with two carriage bolts and a nut. Then repeat the process for the opposite end. **DO NOT CUT THE ROLL TIES ON THE ROLL.**



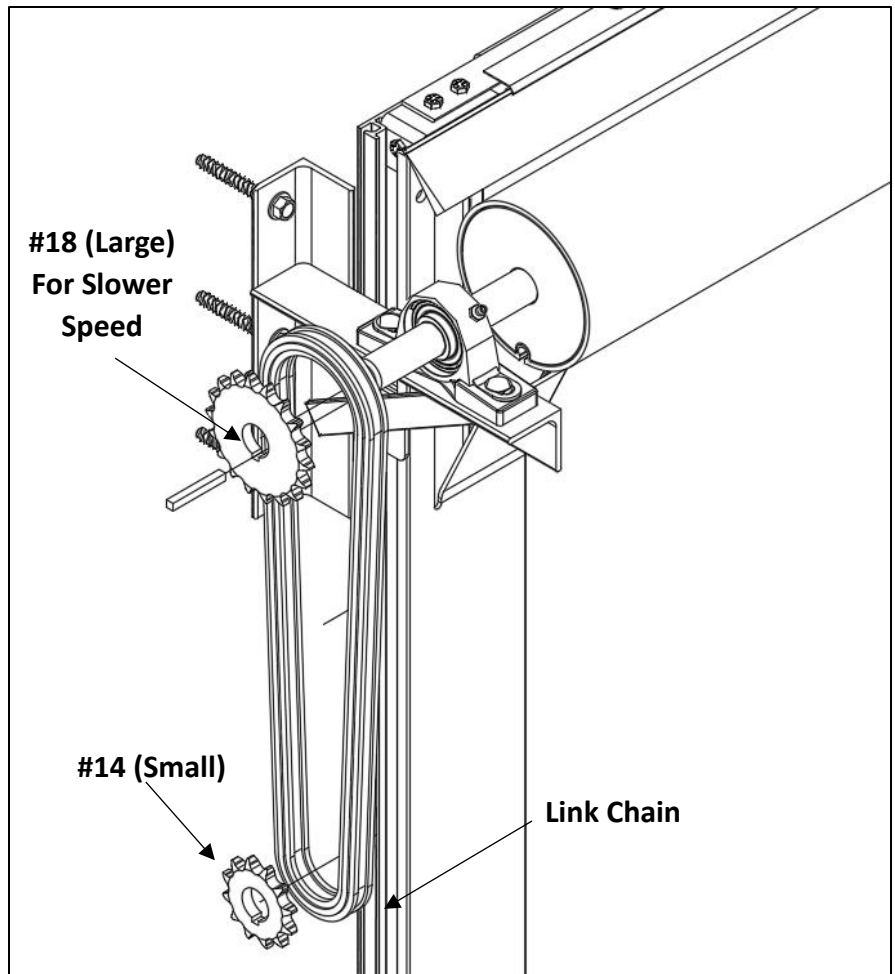


## STEP 8

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 (#18) over the shaft of the barrel to configure for a lower speed rollup (36 RPM). Otherwise, place the smaller (#12) sprocket over the barrel shaft to configure the rollup for a higher speed (54 RPM). Then insert the  $\frac{1}{4}$ " 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.

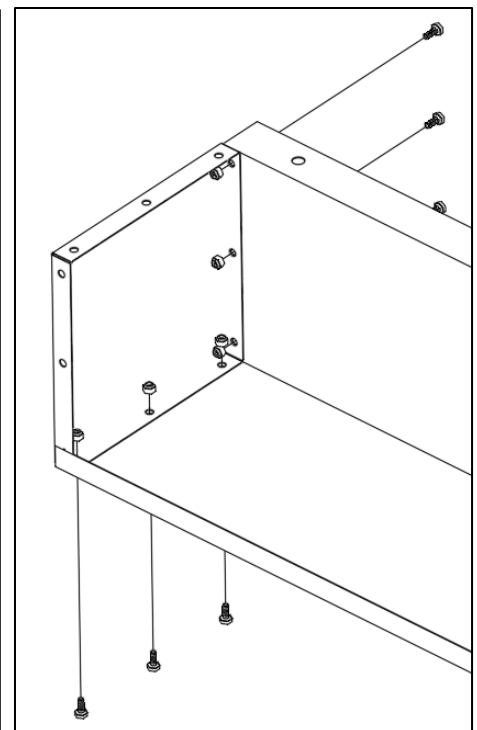
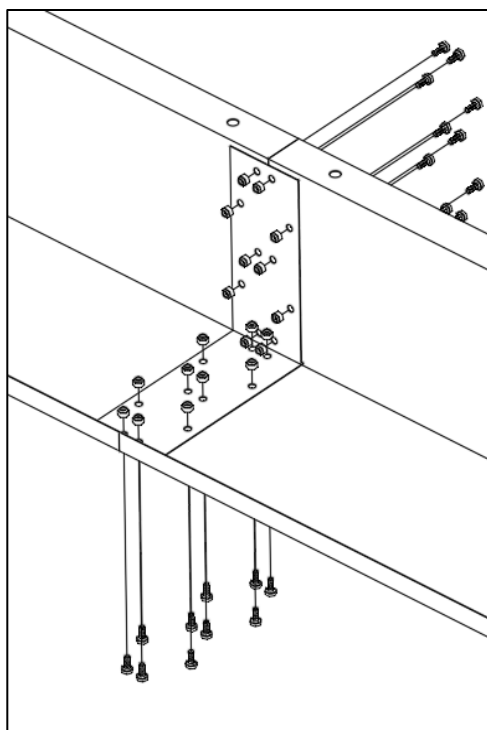
Remove the roll ties after motor is installed.



## STEP 9

Begin assembling the top hood cover. Attach the two large hood cover sections using the two splice plates. Insert ten  $\frac{5}{8}$ " hex screws through each face of the outside of the cover and secure them on the inside splice plates with a locking nut.

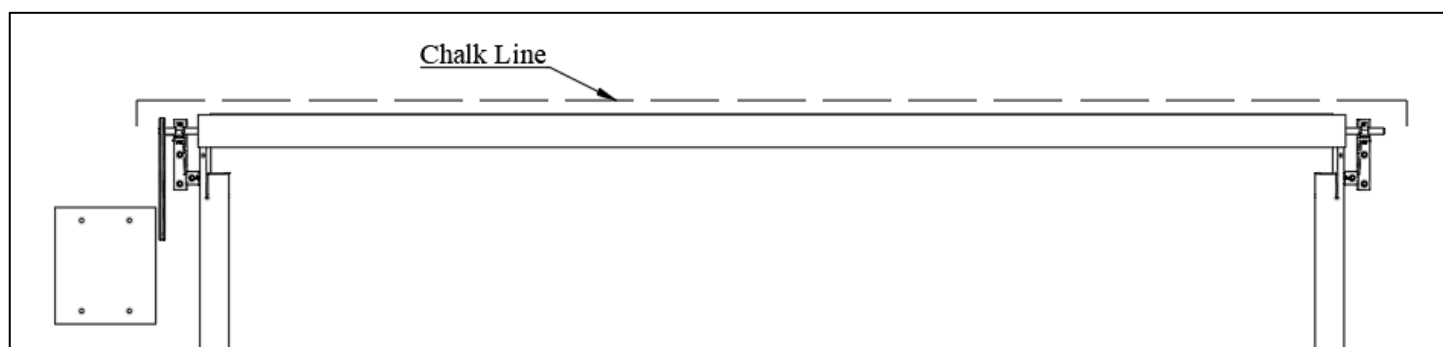
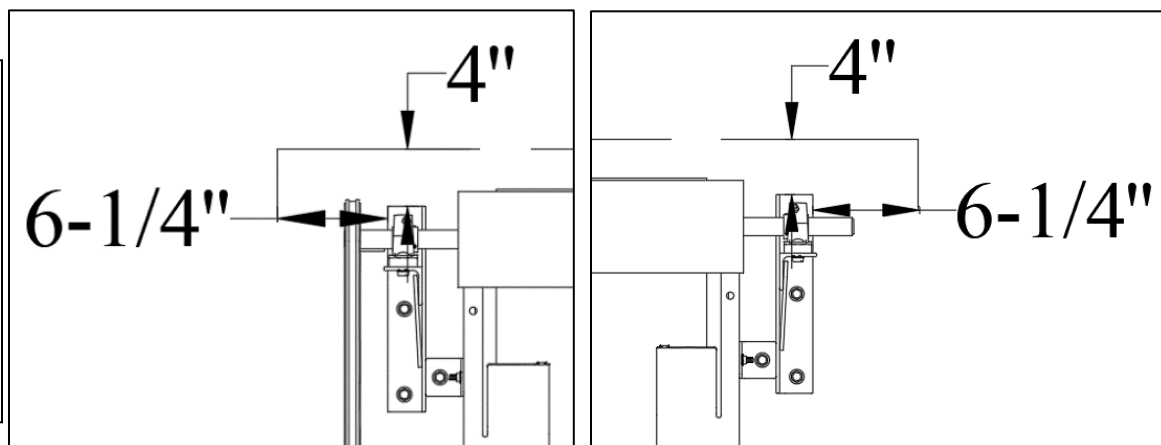
Then attach the side pieces on either side of the hood cover. Place six  $\frac{5}{8}$ " hex screws through the outside of the hood cover on both sides and secure the side pieces with a locking nut.



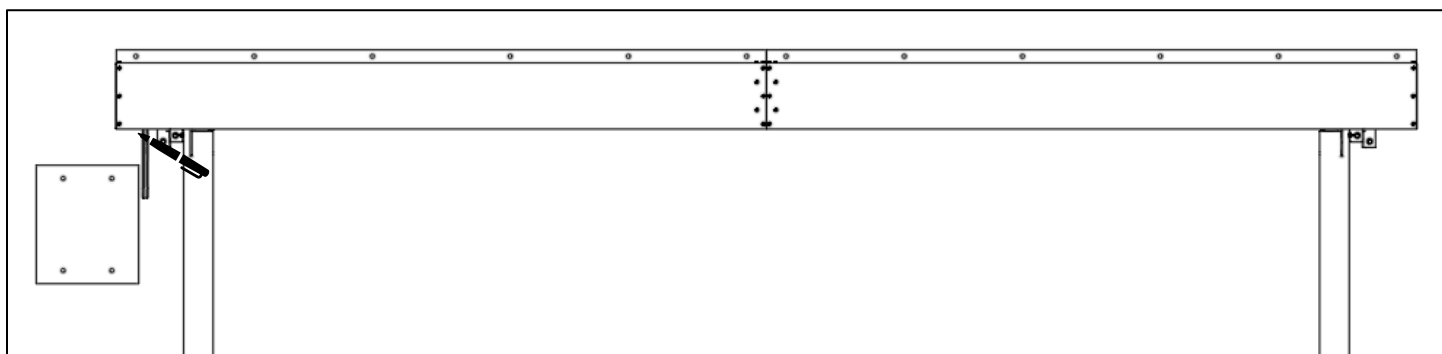


## STEP 10

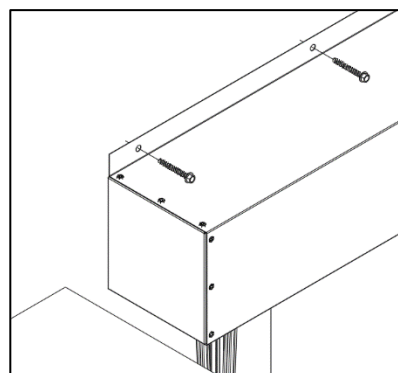
Using a ladder and a helper, create a chalk line parallel to the ground at 4" from the top of the guide tracks. Then make two perpendicular marks measured 5-13/16" from the outside edge of the t-brackets.



Use a forklift to lift the hood cover assembly and position it squared up with each end of the chalk line. Then mark the center of each of the top holes of the hood cover. Remove the assembly and hammer drill each mark with a 3/8" drill bit.



Place the assembly over the drilled holes and secure the hood cover to the wall with wall anchors.



# STEP 11

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.

Adjust the close limit so that the door is fully closed.

