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# PERMA ROLL 75

## *INSTALLATION INSTRUCTIONS* Automatic Roll-up Door

### NOTE:

CHECK SHIPPING CONTAINERS BEFORE RELEASING CARRIER.  
NOTIFY CARRIER IMMEDIATELY UPON DISCOVERING ANY CONCEALED DAMAGE.

### **WARNING**

DO NOT INSTALL THIS PRODUCT UNLESS YOU READ AND UNDERSTAND THE WARNINGS AND INSTALLATION INSTRUCTIONS CONTAINED IN THIS MANUAL.  
FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.

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## Warranty Statement:

# Perma-Roll 75

### **ONE YEAR WARRANTY ON MECHANICAL AND ELECTRICAL COMPONENTS.**

**Perma Tech Inc.** warrants the original purchaser the complete door and its components that were ordered on the original order free of defects in material and workmanship for a period of twelve (12) months from date of shipment.

In order to qualify, defects must be immediately brought to the attention of Perma Tech Inc. during this twelve (12) month period. Only a qualified **Perma Tech Inc.** representative will be allowed authorization to replace defective parts during this period.

Any adjustments made to control panel and mechanical operation of this product without the written authorization of **Perma Tech Inc.** will void this warranty. This warranty is exclusively limited to defects to the door. Defects caused by misuse, collision, or other abuse of the product shall void this warranty.

The replacement of product and its components shall be the limit of **Perma Tech Inc.** responsibility. **Perma Tech Inc.** shall not be responsible for any other losses or damages due to the operation of this product.

No other written or oral representations made by **Perma Tech Inc.** representative are a part of this warranty unless specifically set forth in writing by an authorized **Perma Tech Inc.** official.

## Installation Instructions:

### Receiving and Handling

1. Upon receipt of the Perma-Roll automatic roll-up door, unpack and inspect contents for damage or missing components. If necessary, prepare claims against the freight carrier for any damage discovered.

**Note:** Any damage to the crate or packaging should be noted on the shipping paperwork. Exterior damage may indicate concealed damage. This notation will preserve your rights should a freight claim be necessary.



**Before starting any work, corridor off your work area.**

### Mounting Instructions

2. Double check width and height measurements of the opening and cross reference your sizes with shop drawing to make sure the door fits the opening.
3. Locate and mount the operator bracket Punched #1 at the top of the jamb, centered as shown in (figure 1). Please refer to your shop drawing if you have a left hand or right handed operator. Self-tapping #10 hex head screws are provided for fastening to a steel jamb. Pre-drill all fastening points with a #22 bit. If fastening to wood or concrete jamb, round or oval head #10 x 3/4" screws are recommended with rawl plugs for concrete (not supplied).

**Note:** The drive side is determined by looking at the opening from the inside of your customer's facility.

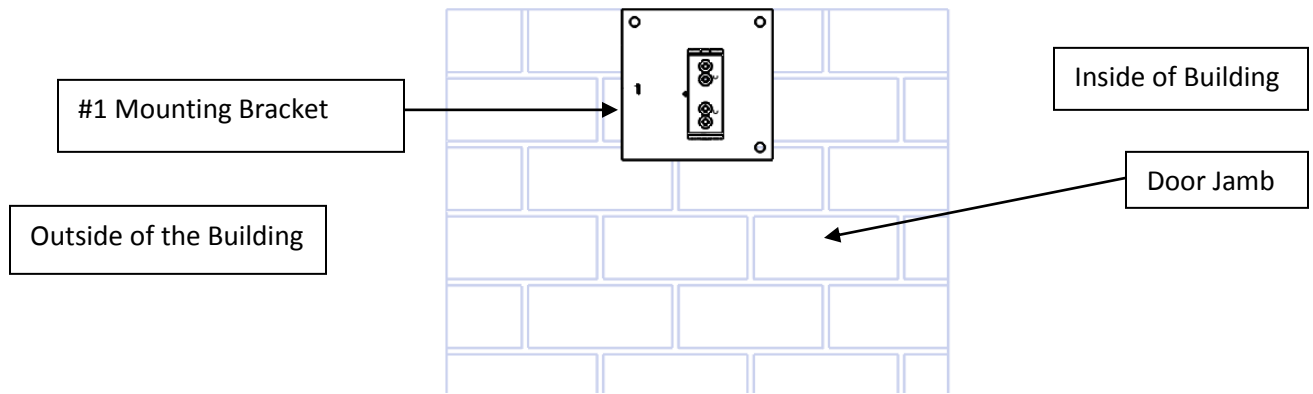


Figure 1

4. Locate and mount the non-drive side mounting bracket punched #2 at the top of the jamb centered as shown in (figure 2). The same hardware used for the drive side mounting bracket can be used.

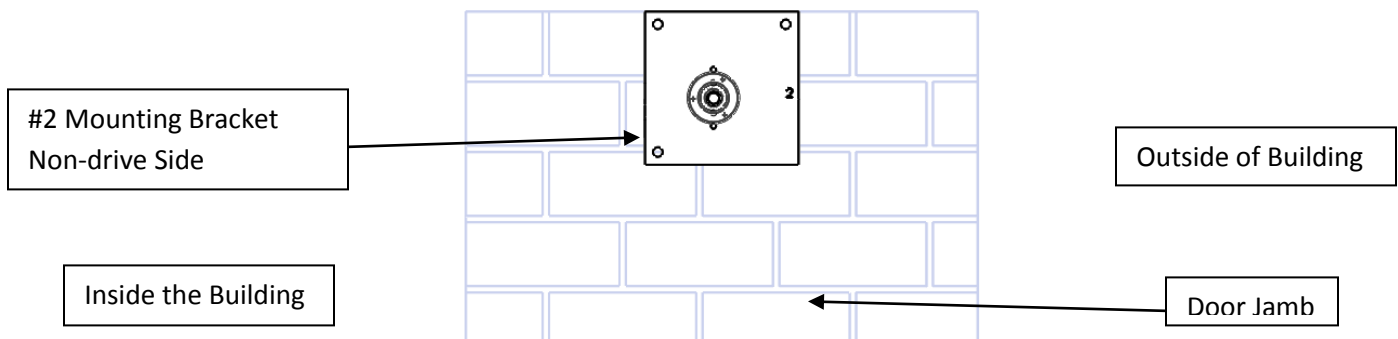


Figure 2

**IMPORTANT NOTES:** In order for the door to operate correctly, the two brackets must be level with respect to each other across the width of the doorway. Also, the mounting brackets must be diametrically opposed. If these two conditions do not exist, the panel may not roll up properly.

5. Position the right side guide track on the door jamb so the guide track is up against the back of the mounted bracket (see figure 3). Make sure the track is plumb (use the extra washers provided as shims behind the mounting points as needed). Drill pilot holes into the door jamb through the pre-punched holes in the guide tracks with a #22 bit (or 5/32"). Use the #10 x 3/4" long tapping screws provided to fasten the tracks to the jamb. It is important to use the flat washers provided behind the heads of all mounting screws in order to hold the plastic guide material in place. Follow the same procedure for mounting the left hand side guide track.

**IMPORTANT NOTES:** If the guide tracks need to be trimmed to fit in the opening

make sure you cut the bottom only. The track mounting screws and washers must be installed even if the tracks are welded or else the plastic guide material may not stay in place. Failure to do so will void your warranty. Bending flare on the tops of the guide tracks back and forth repeatedly could cause it to break off.

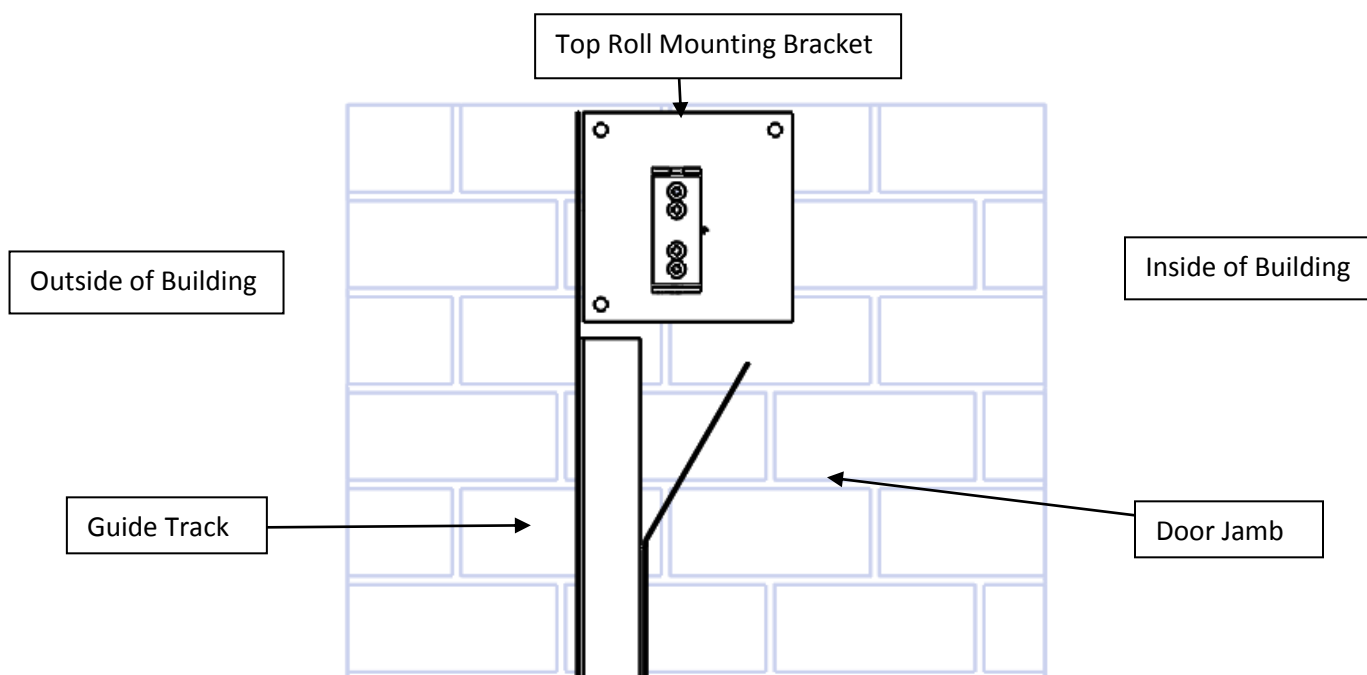


Figure 3

6. Mount the header curtain under the lintel with the aluminum mounting strip between both top roll mounting brackets, 1" from the exterior edge of both brackets.

**Note:** Logo should face the building's exterior and the curtain should hang over the top of the side rails and hang on the exterior. See figure 4 for exact location of the mounting strip and fabric.

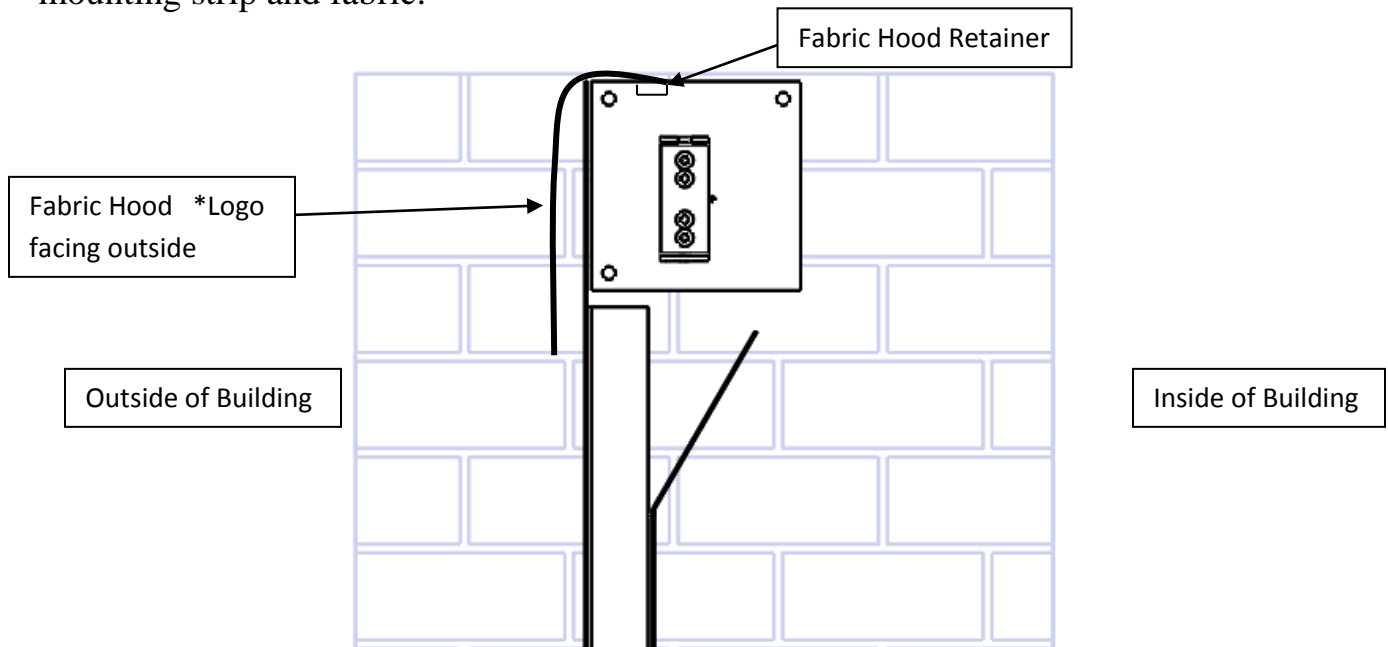
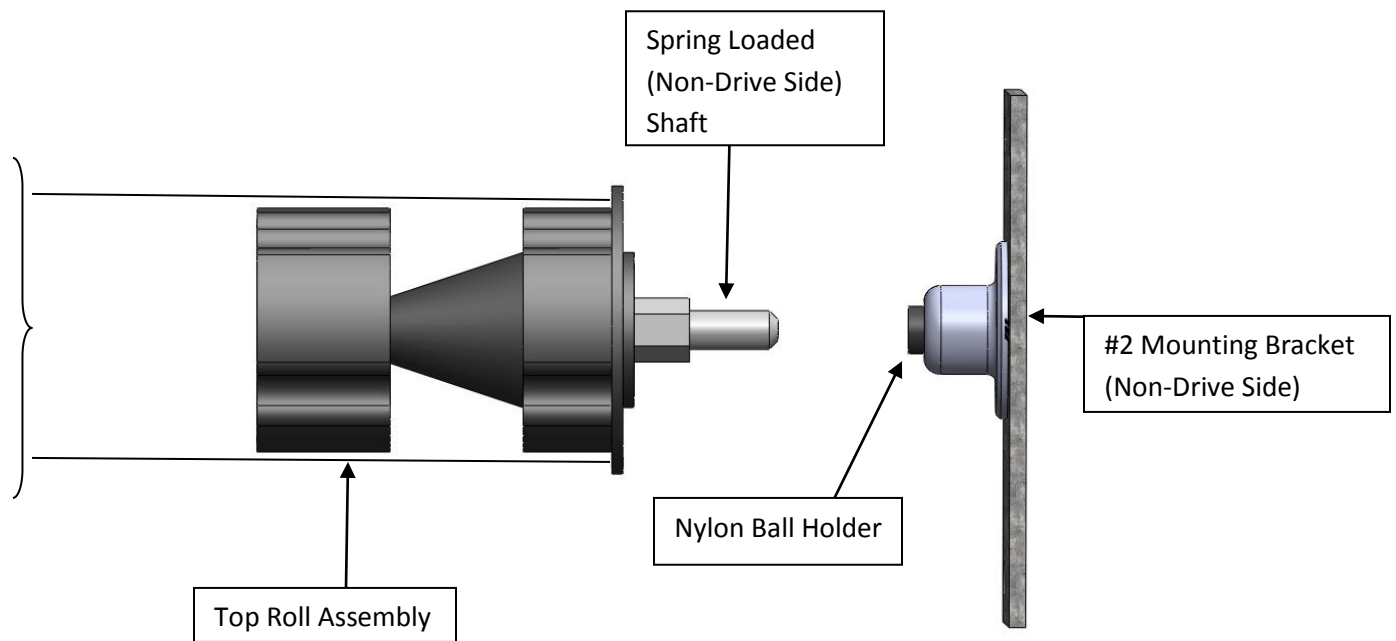


Figure 4

### Top Roll Mounting Instructions

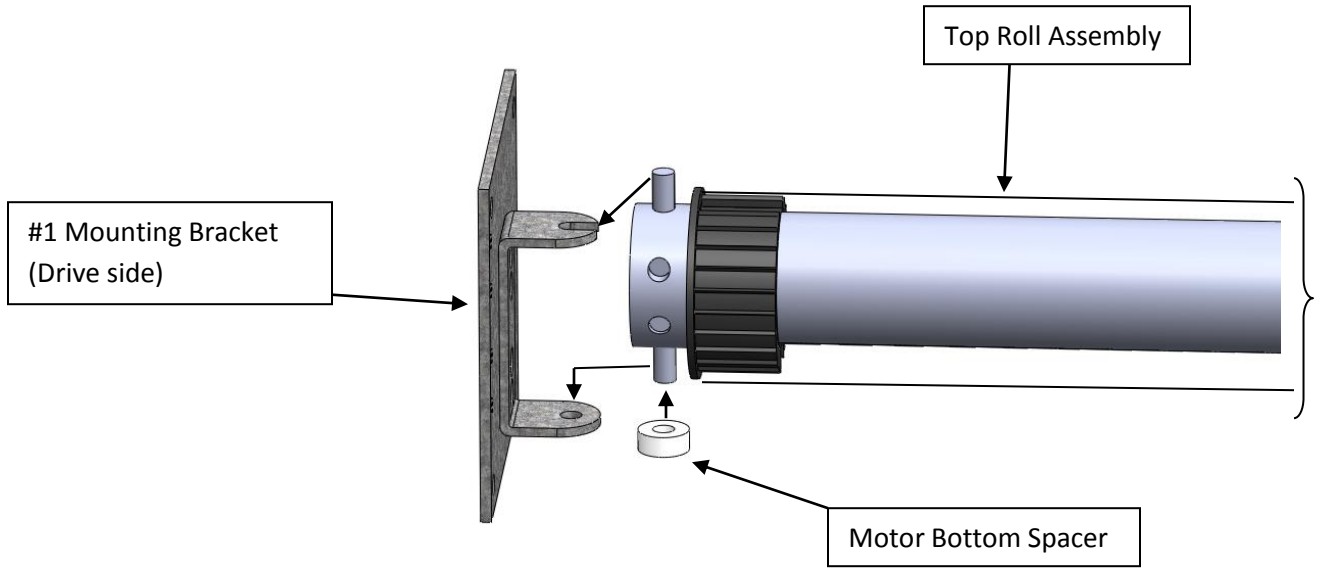
7. Ensure that the fabric is wrapped tightly onto the roll tube.
8. Unroll approximately 3 feet of fabric in order to reduce outside diameter of the roll to make installation easier.
9. Install the non-drive side end of the top roll first by inserting the spring loaded shaft into the nylon ball holder (see Figure #5).



(Figure #5)

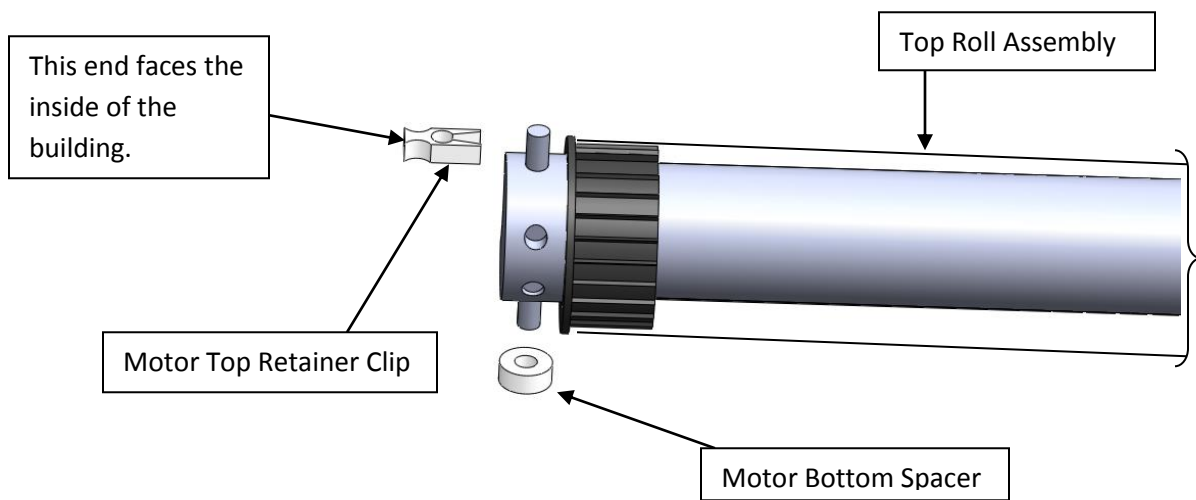
- 10.** Making sure the limits are facing the interior of the building and bottom spacer is in place (on bottom shaft). Push the top roll assembly towards the spring loaded shaft side and then insert the bottom pin of the motor with spacer onto the motor mounting bracket aligning the top pin into the bracket (see Figure #6).





(Figure #6)

11. Install the nylon clip onto the top pin of the motor (see figure #7). This will keep the motor in place.



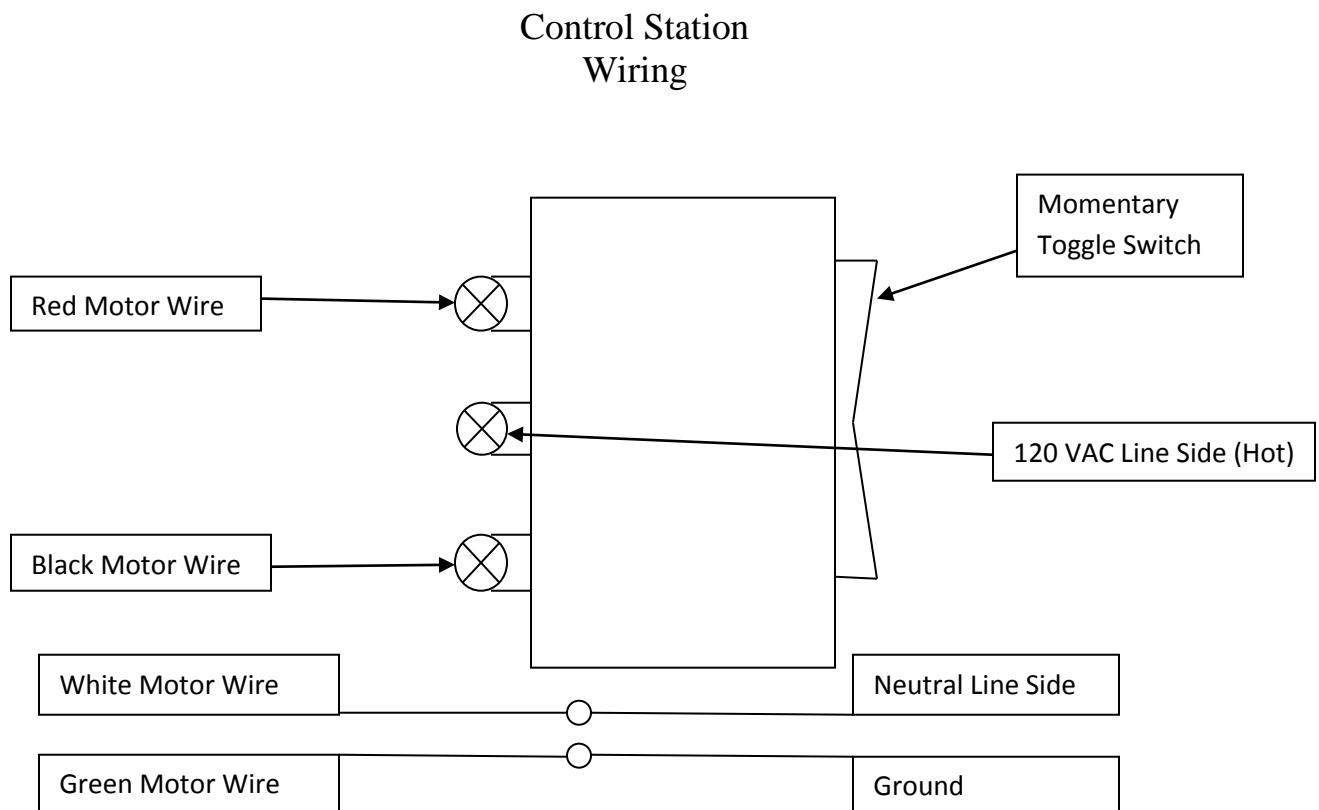
(Figure #7)

## Wiring Instructions



**All electrical work should be performed by a licenced electrician to prevent injury and ensure installation meets local electrical code.**

12. After installing the motor/roll assembly make sure that the motor cable is ran in such a way that it is secure and out of the way of the roll.
13. Run the motor wire to the control station. Mount controls approximately four feet above the floor.
14. Wire the motor and incoming 120 VAC +/- 5% line to the control station as per (Figure #8).



(Figure #8)

Setting Limits

- 15. Limits can be adjusted with an allen key or small flat head screw driver. Turning the limit screws towards the (+) will increase desired limit point and turning the limit screws towards the (-) will decrease desired limit point.

**\*NOTE:** Right Hand Motor - Top screw is bottom limit  
 - Bottom screw top limit  
 Left Hand Motor - Top screw is top limit  
 - Bottom screw is bottom limit

- 16. Limits are factory set roughly 12” from the floor and 12” from the top roll.
- 17. After powering up the door run the door up and be prepared to stop the door if it doesn't stop roughly 12” from the top roll.
- 18. If the door stops increase or decrease the limit until you reach your desired limit position.
- 19. Perform the same procedure for the bottom limit.
- 20. If the door doesn't stop when ran up or down. Decrease the limit by 10-25 turns. Run the door away from the top or bottom position about half way and then try again. Then you can decrease or increase limit to desired position.

**Final Inspection:**

	Yes	No		Yes	No
Inspect & tighten all fasteners as required	( )	( )	Caulked & sealed	( )	( )
Area is cleaned up	( )	( )	Wired as per manual	( )	( )
Wires cut to length	( )	( )	Shields grounded	( )	( )
Door operates properly	( )	( )	Doors stops where set	( )	( )
Close timer set to desired client time	( )	( )	Safety eyes working	( )	( )
Actuators working as per clients expectations	( )	( )	Manual left with client	( )	( )
Client trained on operation of the door	( )	( )	Front of door photo	( )	( )

Open control panel photo

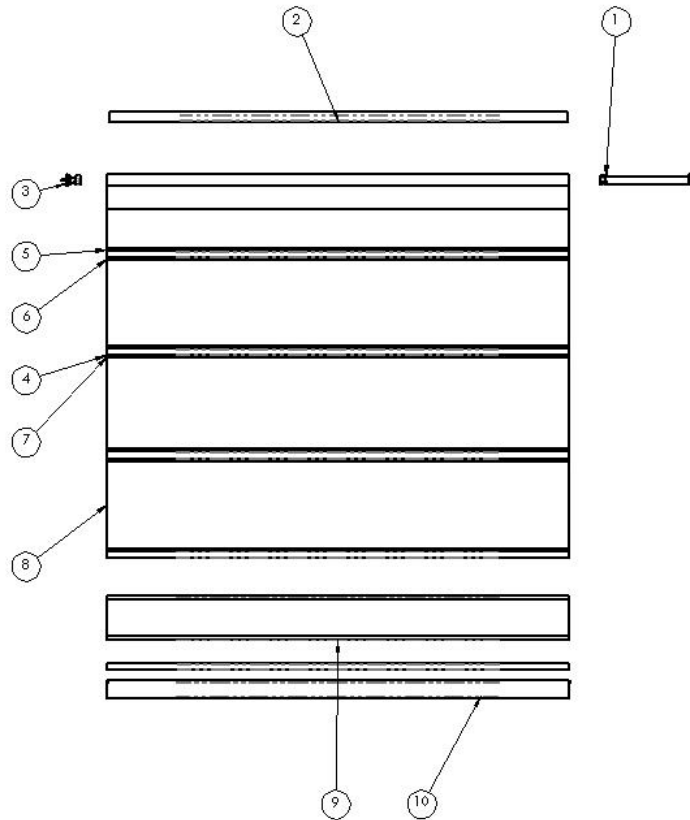
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Rear of door photo

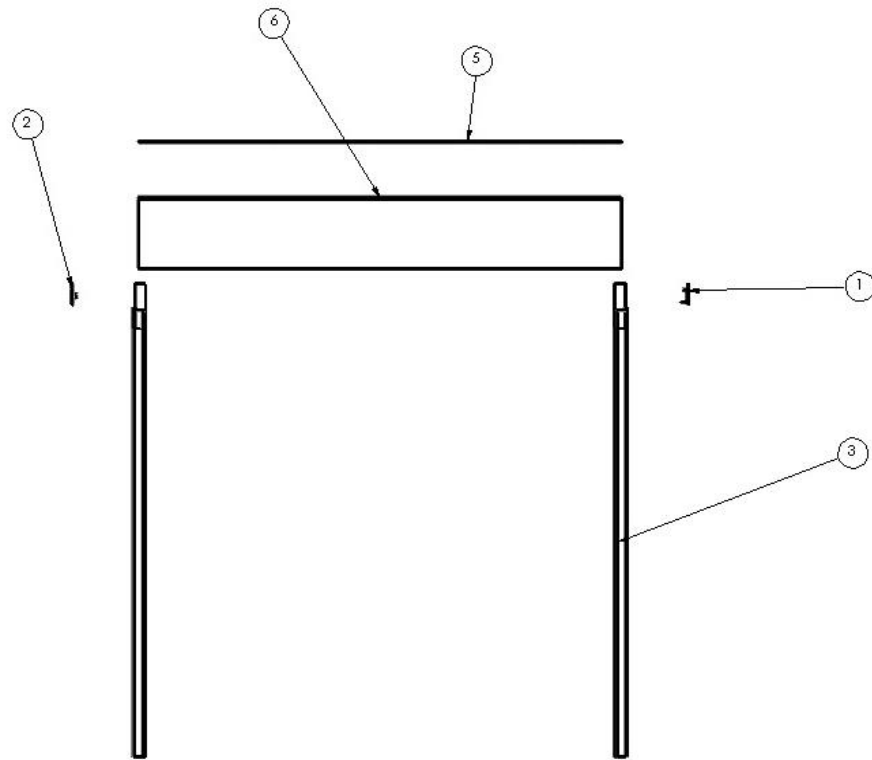
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Comments \_\_\_\_\_

## Parts List:



ITEM NO.	PART NUMBER	DESCRIPTION	Default/ QTY.
1	02-010-75002	MOTOR ASSEMBLY	1
2	01-010-75000	NON-DRIVE SIDE SPRING LOADED SHAFT	1
3	02-010-75001	IDLER ASSEMBLY	1
4	01-030-75000	WIND RIB	5
5	02-030-75001	DOOR BLADE TOP PANEL	1
6	02-030-75002	DOOR BLADE 2nd PANEL	1
7	02-030-75003	DOOR BLADE 3rd PANEL	1
8	02-030-75004	DOOR BLADE 4th PANEL	1
9	02-030-75005	DOOR BLADE 5th PANEL	1
10	02-030-75000	BOTTOM LOOP SEAL	1



ITEM NO.	PART NUMBER	DESCRIPTION	SIDE FRAMES AND SEAL/QTY.
1	02-010-75003	DRIVE SIDE MOUNTING BRACKET	1
2	02-010-75000	IDLER SIDE MOUNTING BRACKET	1
3	02-020-75000	RIGHT SIDE FRAME ASSEMBLY	1
4	02-20-75001	LEFT HAND SIDE FRAME ASSEMBLY	1
5	01-010-75001	UPPER TOP ROLL BAR	1
6	01-010-75002	TOP ROLL CURTAIN	1

## Maintenance:

### Monthly

- Check all fasteners to see if secure
- Check top roll that both end of the roll tube are secure
- Check limits to ensure door is stopping in correct position
- Check door blade & wind ribs for damage
- Check side frames for damage
- Run door up and down to ensure smooth operation