

# Central States Sentry™ Model 6500 Door Installation Guide

Self Storage Roll Up Door

[www.centralstatesco.com](http://www.centralstatesco.com)



# Important Information:

This product must be installed by a trained roll-up door technician qualified to install the product safely and with proper knowledge, tools, safety, and installation equipment. Before installing the door, carefully read the instructions before attempting to install the door.

Familiarize yourself with all installation procedures, warnings, cautions, and notes. Inspect received door assembly for visible damage or component shortages.

Report any shipping damage, incorrect parts, or shortages to your Central States representative.



A roll-up door is a large, heavy object that moves with the help of torsion springs under extreme tension. Moving objects, springs, and springs under tension can cause serious injuries or death.

Follow these instructions for your safety and the safety of others.

Follow these instructions to avoid personal injury or product damage not covered under Central States Manufacturing Inc's product warranty. Always handle the product carefully and review all instructions, warnings, and notes before installing the product.

# Safety Warnings:

- Use appropriate safety equipment to avoid serious injury.
- Clear the floor at the opening of all debris before installing the product.
- Use appropriate equipment and correct lifting procedures to avoid damage, severe injury, or death.
- Moving the door could result in death or severe injury. Do not close the door until the doorway is clear.
- Control the speed of the door during manual operation.
- Do not stand or walk under a moving door.
- Keep the doorway clear and in full view while operating the door.
- Do not permit children to play on, near, or with door or operate door controls.
- Keep the doorway clear and in full view while operating the door.
- Visually inspect the door and hardware monthly for worn and broken parts.
- Check if the door operates freely. Do not operate a door with a broken part.
- Components under extreme spring tension could result in death or severe injury.

Door assemblies are manufactured to specification of clear air opening widths and heights specified at time of order. Central States Manufacturing Inc. will not be held responsible for opening widths or heights that do not match those specified at time of order.

# Handle With Care:

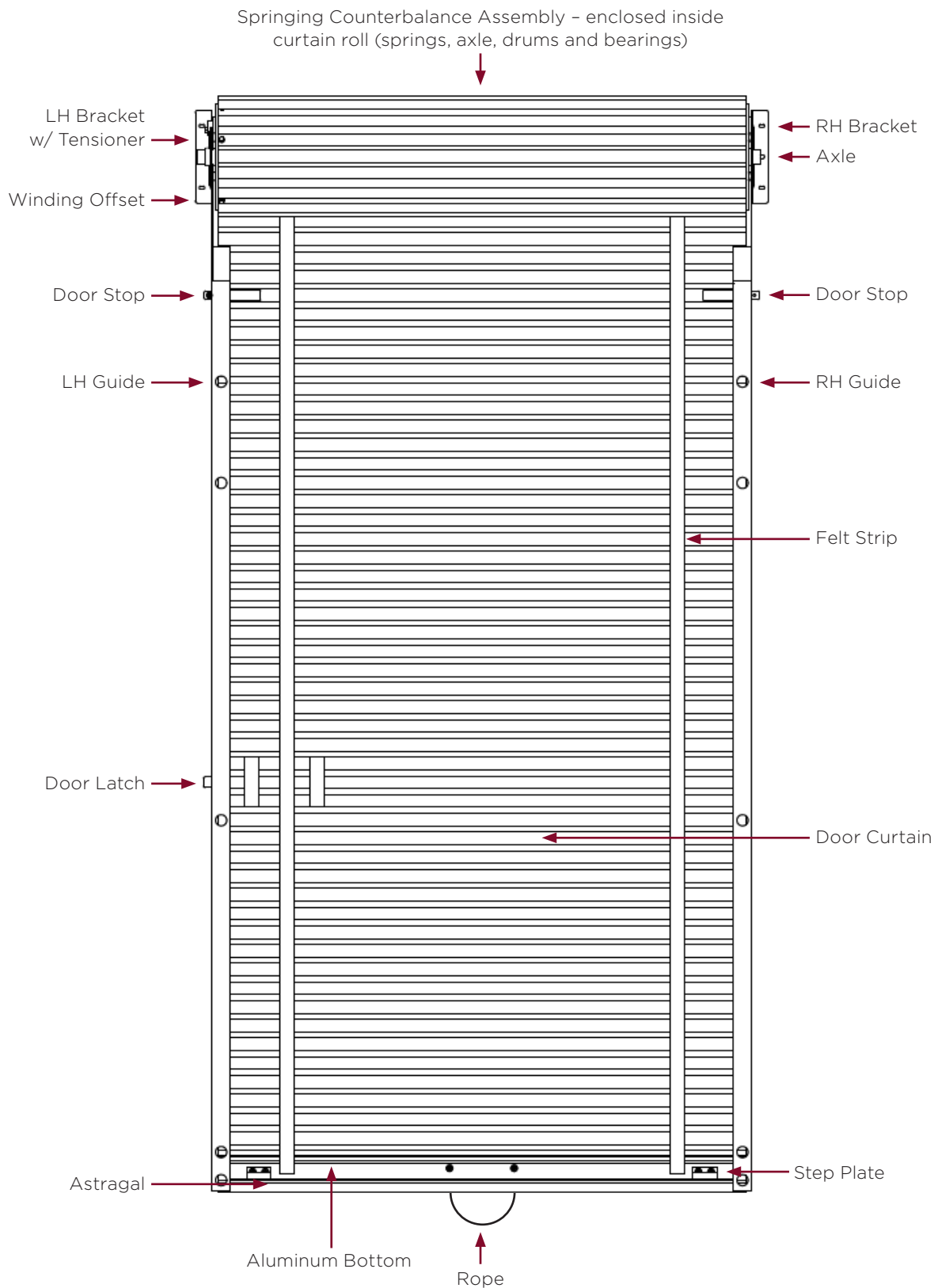
## DO

- Carefully inspect all products for damage upon receipt.
- Use protective foam between the product and any surface or object that may contact the material in transit, storage, and/or installation.
- When securing the product for transit, use a foam barrier between the product and straps, ropes, etc.
- Carefully unload the product from any crating material, assuring no contact with fasteners or sharp edges.
- Clear the floor at the opening of debris before installing the product.
- A single person lifting the product could cause injury. Use assistance when moving or lifting.
- Install the product with appropriate lifting equipment, ensuring a protective barrier is maintained between the product and any surface or object it may contact.

## DO NOT

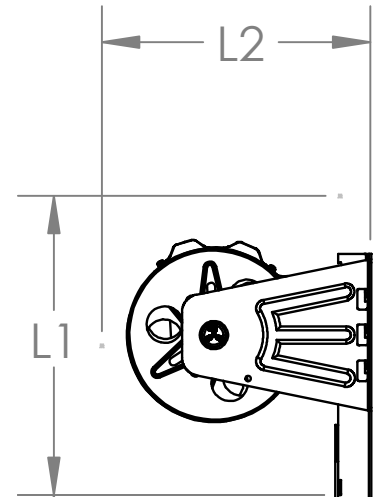
- Do not - stand on the product.
- Do not - climb on the product.
- Do not - walk on the product.
- Do not - drop the product.
- Do not - slide the product across any surface.
- Do not throw or toss products.
- Do not set or stack products on gravel, debris, or uneven surfaces

# Door Diagram & Specs



## Headroom clearances required

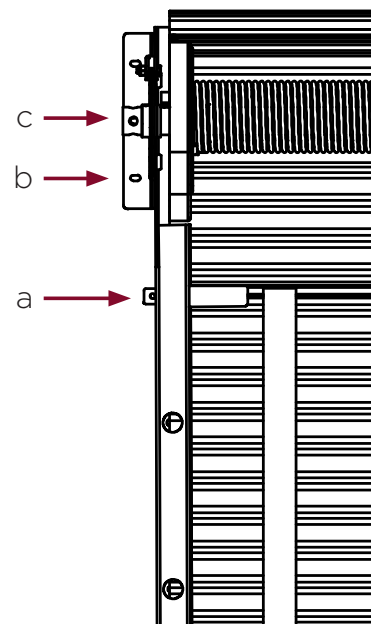
Opening Height	Vertical Headroom (L1)	Horizontal Headroom (L2)
Thru 8'0" tall	16"	18"
Thru 10'0" tall	18"	20"



## Sideroom clearances required

(from edge of opening)

(a) To Back of Guide	(b) To Each Bracket Leg	(c) To Each Axle End
2"	3 ¼"	3 ½"



## Preparation

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1. Confirm wall opening width and height measurements against the opening size detailed on the door package.
2. Verify the jambs are plumb. Verify that the floor and header are level and flush with each other.
3. Compare the headroom and side room around the opening to the abovementioned minimum clearances. If actual clearances are less than the minimum requirements, contact your Central States representative for further instructions.

## Position Door and Guides

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4. Ensure the floor is clean to prevent damage to the door curtain.
5. On the inside wall of the building, place the left guide on the floor perpendicular to the opening with the guide bottom close to the left jamb and the top toward the inside. Do the same with the right guide to the right jamb.
6. Place the door assembly on the floor between the top of the left and right guide. Rotate the door assembly to locate the bottom bar against the floor.

**Note:** Brackets, tensioner, springs, and curtain-mounted latch are pre-assembled at the factory. **Do not remove.**

## Bracket to Guide Installation

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7. Bring the top end of the guide in alignment with the bracket and insert tabs on the bracket into the tab slots in the guide.
8. Slide the bracket and guide together until the locking tab in the guide fully engages the bracket notch.
9. Using a hammer, bend the guide tab over the top of the bracket for further bracket guide engagement. This keeps the bracket from sliding up during installation.
10. Repeat these steps 7-9 on the other guide.
11. Move the door and guide assembly towards the wall opening, with the bottom of the guides resting next to the jamb.

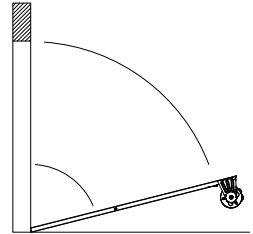
**Note:** For opening heights over 8'0", clamp the bottom of the bracket to the guide with locking pliers to ensure rigidity of the top of the guide while lifting. Remove pliers after securing bracelets to jambs.



## Lifting the Door Assembly

12. Lift the door assembly evenly, pivoting up around the bottom of the guides.

**Note:** Doors over 8'0" tall will require a mechanical lifting device to lift the door assembly into the mounting position. To prevent curtain damage, be sure to pad any mechanical lifting devices.



**CAUTION  
WARNING**

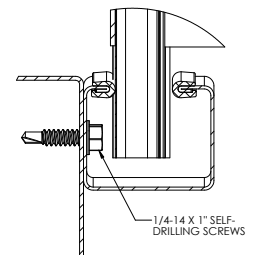
**TWO** installers must lift the door assembly into position against the jambs.

The guides are not designed to support the door weight during a one-man installation. Attempting Installation with only one installer can result in severe injury and/or damage to the door.

**DO NOT** leave the door unattended until it is securely attached to the jambs.

## Attaching the Guides and Brackets to Jambs

13. Attach the brackets and guides on each opening side to the steel jambs using the proper fastener provided by manufacturer.
14. The guides should be mounted centered about the opening and spaced curtain width + 1" apart measured from back of guide to back of guide. Both guides must be plumb or slightly flared outward no more than 1/4" total at the top.
15. Every hole location in each bracket and each guide should have a 1/4-14 x 1" self-drilling screw installed.
16. Rotate the door assembly (2) two revolutions in the direction that would send the bottom bar down through the guides.



**Note:** Welding guide to jamb is not recommended.



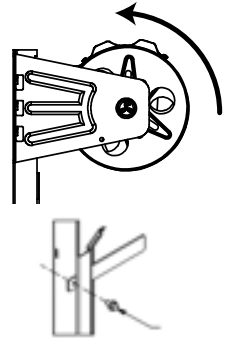
**CAUTION  
WARNING**

The door can fall if both brackets are not securely fastened to the jambs. All fasteners attaching brackets to jambs must fit securely into a structural member surface.

If the door falls, serious injury or death and /or damage to the door can result.

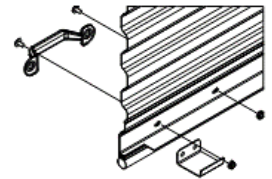
## Setting Initial Spring Tension and Installing Door Stops

17. While firmly holding the door at the bottom bar, cut the plastic bands that secure the door assembly and direct the bottom bar down through the guides just past the door stop area.
18. Slide the door stop through the pre-punched slots in the guide and secure it with a ¼-14 x 1" self-drilling screw.



## Installing Door Catch, Handles and Rope

19. Install a step plate on each end of the bar inside the door curtain roll using the already installed carriage bolts.
20. Install handle(s) on the outside of the bottom bar using the carriage bolts and nuts found in the bottom bar. Install all provided.
21. Install the rope in a hole at the center of the horizontal leg of the bottom bar angle



Ref Figure 1



**CAUTION  
WARNING**

Door catch installations are **REQUIRED**.

Failure to properly install the door catch will result in the door curtain traveling beyond the guides resulting in door damage and/or personal injury.

## Adjusting Spring Tension for Optimal Performance

22. Insert a 3/8" diameter torsion spring winding bar or screw driver through two offsetting openings on the left end of the torque tube and pull down. Reference this chart

- **To Add Spring Tension:** Rotate the tensioner clockwise until the tension-stop clicks and engages with the next tooth.
- **To Release Spring Tension:** Maintain the pressure while lifting the tension-stop and move the winding bar until just past the tension tooth engagement. Allow the tension-stop to rest on the tensioner and continue moving the winding bar up until the tension-stop is fully engaged with the next tooth.

Door Width	Clicks
3' 0" - 4' 6"	16
4' 7" - 4' 11"	18
5' 0" - 5' 6"	16
5' 7" - 6' 6"	18
6' 7" - 7' 6"	20
7' 7" - 8' 6"	22
8' 7" - 9' 0"	24
9' 1" - 10' 0"	27

## Adjusting Spring Tension for Optimal Performance

23. Remove the winding bar and operate the door. Lower and raise the door to test the door balance.
24. If the door is easy to close but hard to open, add spring tension.
25. If the door is hard to close but easy to open, release the spring tension.



## Product Safety Labels

26. Inspect the DASMA safety labels on the tension bracket and bottom bar to ensure adhesiveness.