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## **Commercial and Architectural Doors**

### **Acoustical Door STC**

### **Hardware Installation Instructions for Acoustical STC45 Doors**

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Thank you for choosing a Lambton Doors product.

Certain factors could influence the acoustical rating of the STC45 Class door, one of them being the precision with which the hardware is installed. For example, a small leak in the airtightness of the joints will significantly decrease the acoustical performance of the door.

**For maximum effectiveness, please verify the following three points :**

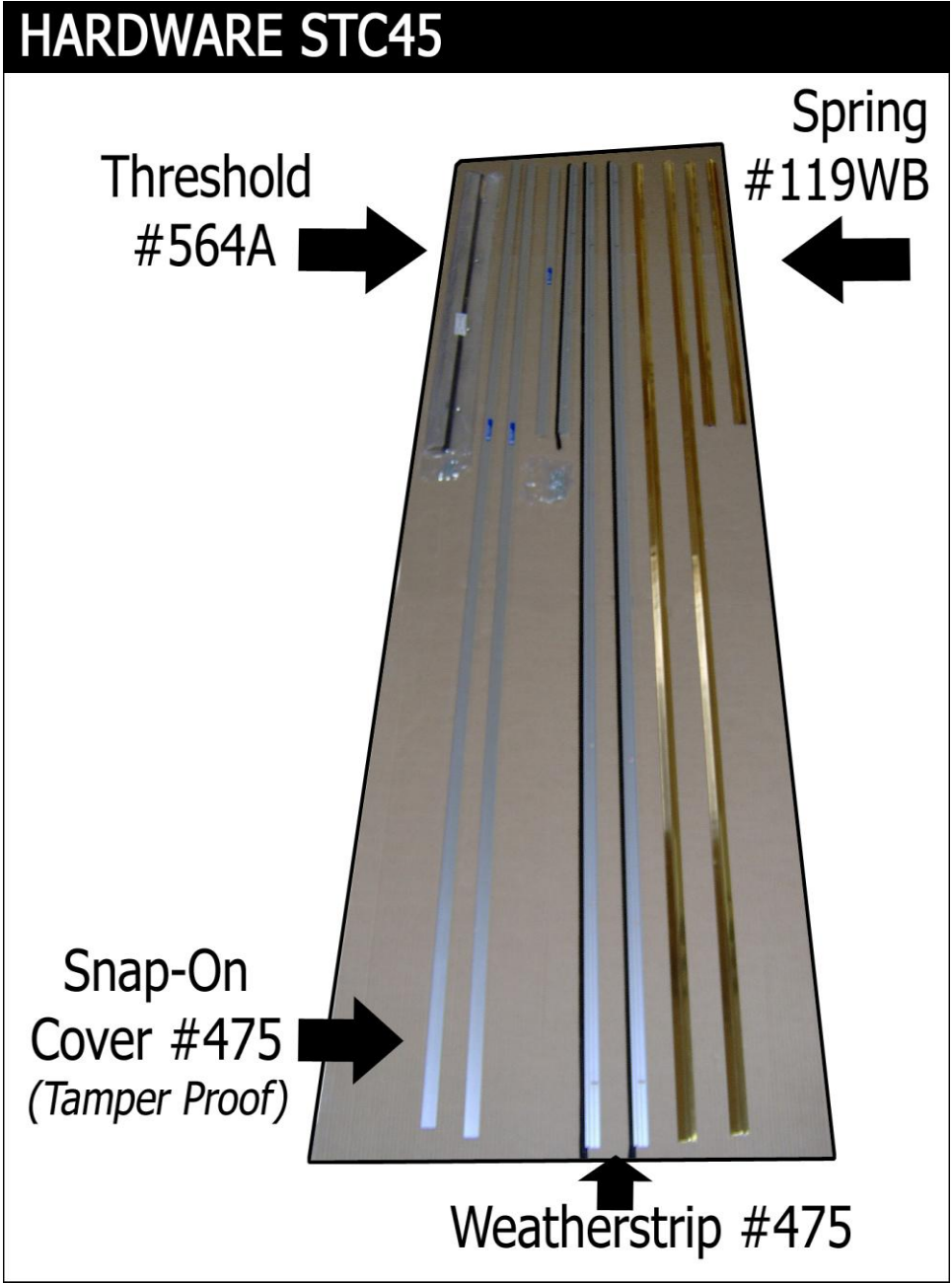
1. First, the frame must be set square.
2. The frame must be well sealed to the wall.
3. Be sure that the acoustic seals that are installed on the head and the jambs, on the bottom rail of the door, as well as on the doorstops, are adjusted so that **no light can pass through**.

#### **List of tools required for installation :**

1. An electric drill.
2. A Philips screwdriver.
3. A Pre-hole bit 3/32 in (2.38mm).
4. A hacksaw.

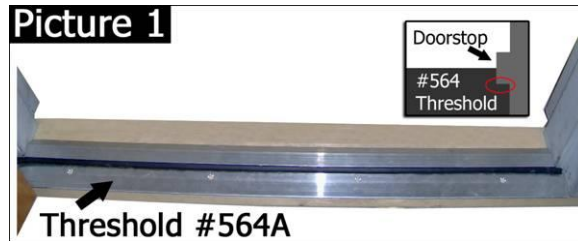
Before installing the hardware, be sure that the **door is correctly installed in its frame**. (Refer to point 7)

**Hardware for acoustical STC45 class doors supplied by Lambton Doors :**



## Instructions for installing hardware for STC45 class acoustical doors :

1. Install the **rabetted threshold #564A**. First cut the threshold to the required length with your hacksaw. Be careful to cut around the doorstop. (See picture #1 and technical drawing on last page of document)



2. Next install the **acoustic seal Spring #119WB** on the jamb, on the side of the hinges, approximately 1/2 in (13 mm) from the doorstop. (Picture #2)

3. Install the same type of acoustic seal on the jamb, on the side of the door handle, approximately 1/2 in (13 mm) from the doorstop.



4. Cut the acoustic seal Spring #119WB **at right angles** at the height of the strike as illustrated. (Picture 3) Fold back the corners of the acoustic seal toward the interior **at a 45° angle**, as illustrated by the arrows. (Picture 3)

5. Install an acoustic seal Spring #119WB on the head of the frame approximately 1/2 in (13 mm) from doorstop. (Technical drawing)



6. Attach the acoustic seal Spring #119WB on the bottom rail of the door. (Picture 4 and technical drawing)



7. The acoustic seal «Weatherstrip #475» must be installed on the doorstop of the head and the jambs, the rubber part against the door. (Picture 5 and technical drawing) **Before permanently installing the acoustic seals drill the pre-holes.**

8. Take note: The rubber part of the Weatherstrip #475 **should compress to about one quarter when the door is closed**. Then the permanent installation of the acoustic seal on the frame can be done.

Now install the acoustic seals on the two jambs. Then attach the **Snap-On Covers** (technical drawing) **before installing the acoustic seal on the head.**

9. Install the acoustic seal on the head. Then attach the Snap-On Cover. (Technical drawing)

# Technical Drawing (Side View)

