



Introduction

This manual provides information required to perform installation, repairs, and required maintenance to the Thermoseal Frames and Doors. This manual is intended as a written guide for personnel who are properly trained and qualified to safely use a variety of different equipment and tools required during the installation, repairs, and performing maintenance of the Thermoseal Frames and Doors.

All personnel/contractors assigned to install Thermoseal Frames and/or Doors must read this manual in its entirety as one of the steps in being certified to install and work on Thermoseal doors. Failure to read and thoroughly understand the material contained in this manual may ultimately result in damage to the equipment, and injury to personnel, and could void the warranty.

The components and systems described in this manual may be operated only by personnel qualified for the specific task by the relevant documentation, warning notices, and safety instructions. Qualified personnel are those who, based on their training and experience can identify risks and avoid potential hazards when working with these types of components and systems.

Proper use of Thermoseal Products

Thermoseal products may only be used for the applications described in the catalog and the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Thermoseal. Proper transport, storage, installation, assembly, commissioning, operation, and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with.

INSTALLATION & SERVICE MANUAL

COLDVAULT BEER CAVE

FRAME INSTALLATION

PROTECTIVE GEAR NOTICE	
	<i>Protective Eyewear– Potential risk of eye injuries, protective eyewear required when performing this, and any other associated tasks.</i>
	<i>Protective Gloves– Potential risk of injury to your hands, protective gloves required when performing this, and any other associated tasks.</i>
	<i>Footwear Protective – Potential risk of injury to your feet, wearing protective footwear is required when performing this and any other associated tasks.</i>

Installing the Frame Assembly into the Net Opening

Read instructions completely before installing frame.

1. The clearance between the frame sill and the bottom of the case or floor is mandated by local building codes.
2. The sill of the net opening must be a minimum of two (2) inches in height.
3. The sill must also be completely level.

Before installing the frame, confirm that the size of the net opening accommodates the finished frame. If the tolerances are too tight, the net opening will have to be enlarged.

Measure the size of the net opening and the size of the finished frame.

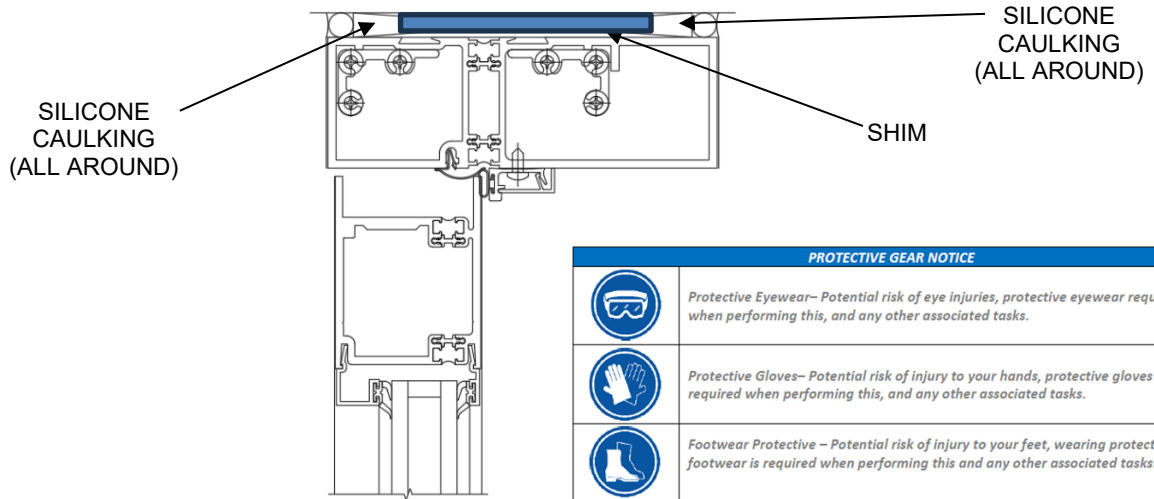
1. Subtract the frame height measurement from the net opening's height measurement.
2. Subtract the frame width measurement, from the net opening's width measurement.
3. Divide each number in half. This is the amount of gap that will occur between the frame and the net opening.

SHIMMING

1. Acquire sturdy, penetrable material, such as plywood. The thickness of the material should be wedge shaped or slightly less than the gap to be filled.
2. Measure the length of the gap (height or width of frame) and cut the shim material.
3. Install the shim using the same type of mounting hardware that will be used to install the frame. Be certain that the shim installation hardware will not interfere with the frame installation hardware.
4. Cut a second shim to the same length and install it in the opposite side of the net opening.
5. If the adjacent sides of the net opening need to be shimmed, repeat the previous steps, matching the shim length of the frame sides of the net opening.


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Confirm the net-opening conforms to openings listed in price book or original order.

- Insert the finished frame assembly into the net opening. If the fit is too tight, **DO NOT** force the frame.
- Insert a mounting screw into a mounting hole in each corner of the frame and tighten each screw until it is approximately a quarter inch from flush.
- Check and confirm that the frame is square.
- Using a 25 foot measuring tape, measure diagonally from one corner to the opposite corner, noting the distance.
- Measure the distance between the remaining two corners.
- Confirm that the frame and frame flanges are plumb to the surface of the wall around the net opening.
- Place a level on the top flange of the header frame to check header level.
- If the top of the frame (Header Frame) is sagging or bowing, correct as necessary.
- When the frame is square and plumb, tighten all mounting screws securely until each is flush to the surface of the frame.

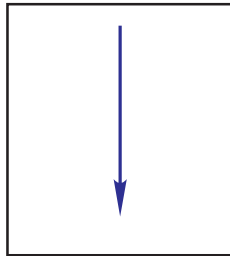
WARNING	
	<i>Warning: DO NOT over tighten screws onto the frame, as this may cause bowing, sagging, or the frame to become out of square. This will cause installation issues with Door's proper function. Adjusted the frame as needed to ensure it is square and free of bowing and sags.</i>

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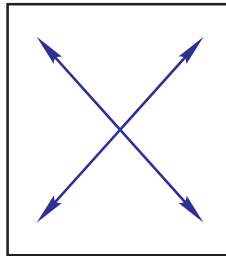
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Seal the gap between the frame and the surrounding wall, inside the case, cooler or freezer using a caulking gun and NSF approved food grade silicone sealant (RTV-108). Not following these procedures can void Thermoseal Service & Warranty on condensation and ice build-up issues. Once Silicone Sealant is cured double-check for any remaining gaps that require more sealant.

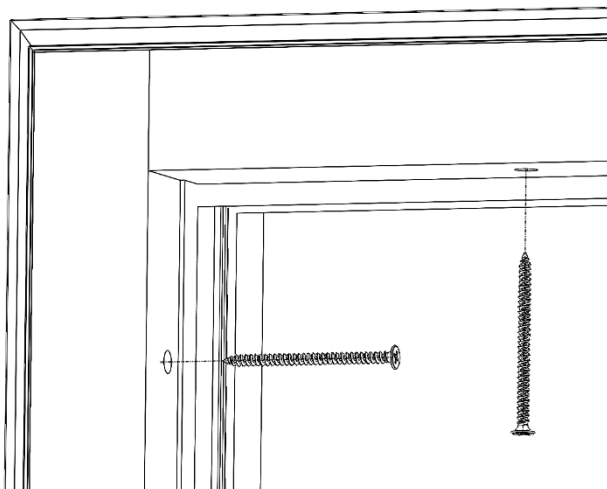
PLUMB
Vertically
Correct Mount



SQUARE
Measure From
Corner To Corner



WARNING	
	<p><i>Warning: Use only food-grade silicone sealant (add caulking for larger gaps) to seal the gap between the frame and the surrounding wall, inside the case, cooler or freezer. Not following these procedures can void Thermoseal's Service & Warranty on condensation and ice build-up issues.</i></p>

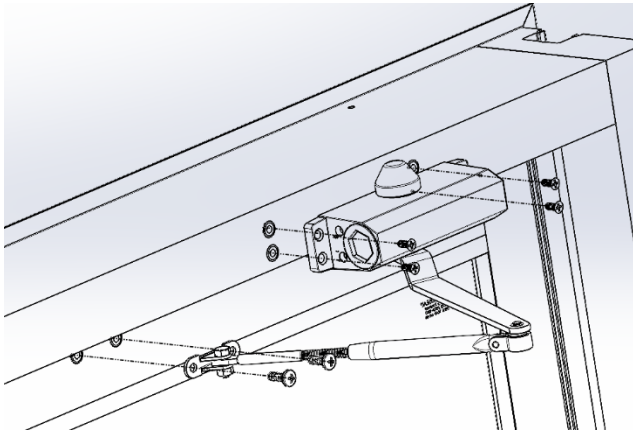




Be sure to use the installation screws(provided) to mount the frame and bottom threshold around the perimeter.

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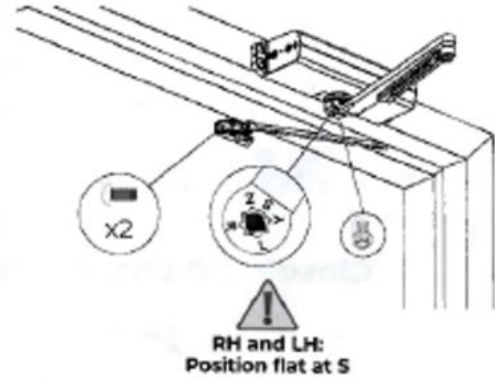
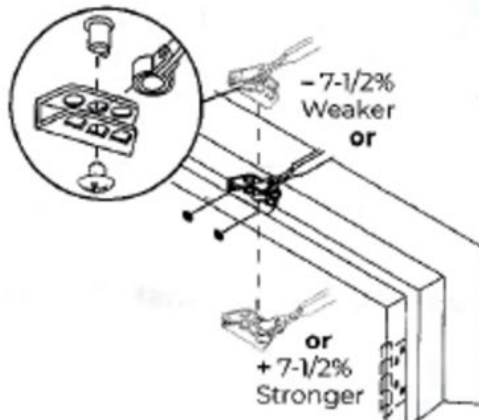
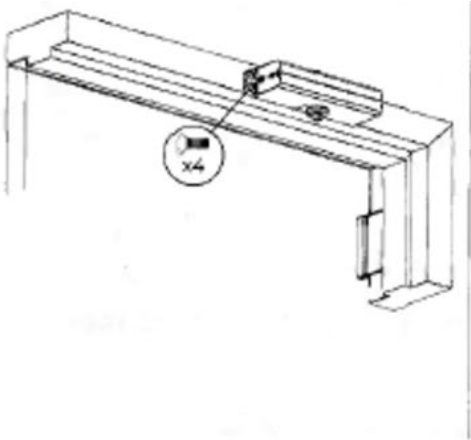
HYDRAULIC DOOR CLOSER INSTALLATION



PROTECTIVE GEAR NOTICE	
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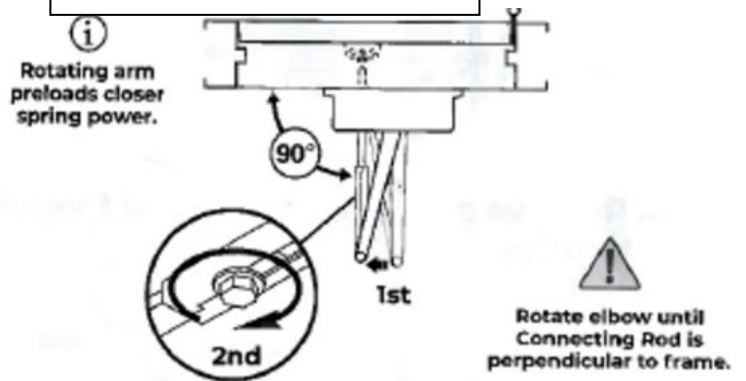
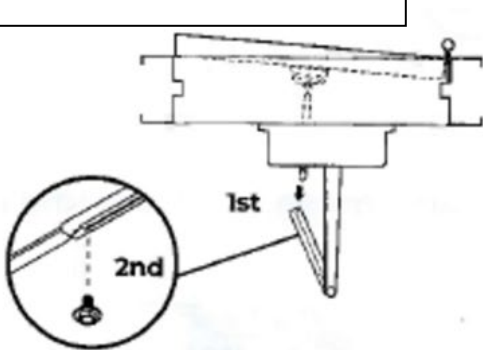
1) Mount closer to frame

2) Choose arm placement in shoe and install separate arms.



3) Connect arms and install forearm screw.

4) Preload spring and tighten forearm screw.



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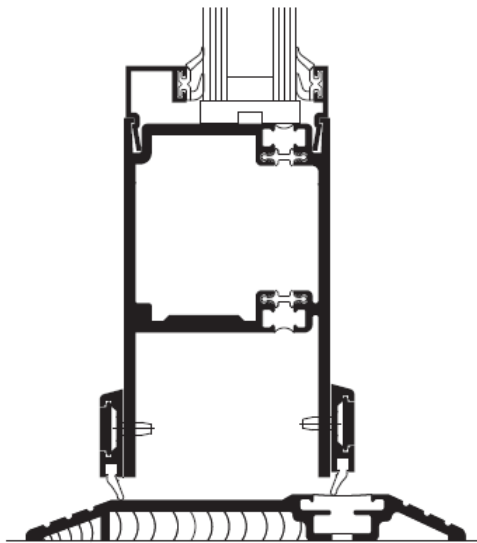
WEATHERING ADJUSTMENTS

(BOTTOM DOOR WEATHERING)

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Note: to maintain proper tolerances, the bottom door weathering should be applied after the frame and threshold are installed and securely anchored. External thermal door entrances will require an interior and exterior door weathering be installed on bottom door rails. **(Figure 11-1)**

1. Check interior and exterior door weathering for proper length.
2. The exterior door weathering length is fabricated to accommodate butt hinge, continuous geared hinge and offset pivot applications. Must order the appropriate door weathering to suit hinging options. **(Figure 11-2)**
3. Swing door to partial open position as shown in **(Figure 11-3)**, to allow the gasket on the interior door weathering to maintain continuous contact on flat portion of the threshold. (Do not compress gasket) Door weathering is not designed to act as a “sweep”, yet when properly installed, it will maintain contact with the raised portion on our threshold.
4. Utilizing the door weathering as a drilling template, match drill bottom rails with a #36 (0.106") drill.
5. Adjust to proper height and secure with (028315) #6 x 3/8" FHTF fasteners.
6. Insert filler and stake in place



BOTTOM OF THE DOOR

FIGURE 11-1

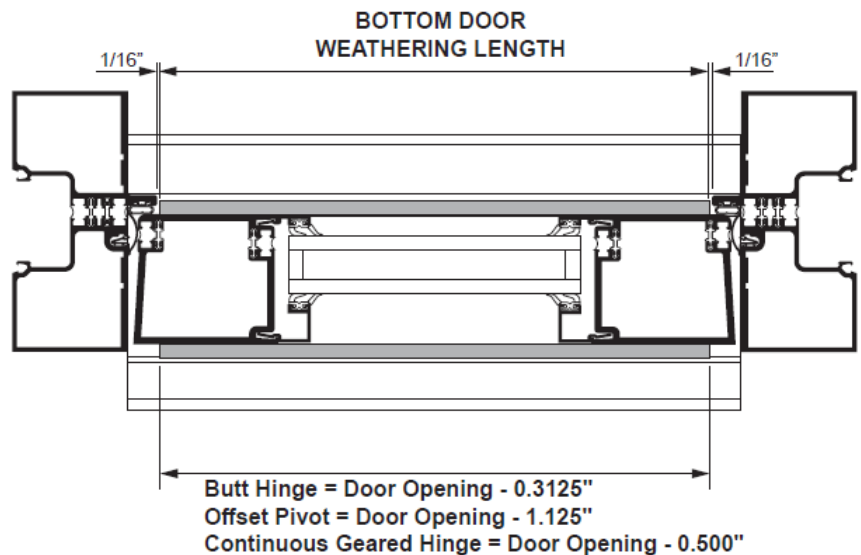


FIGURE 11-2

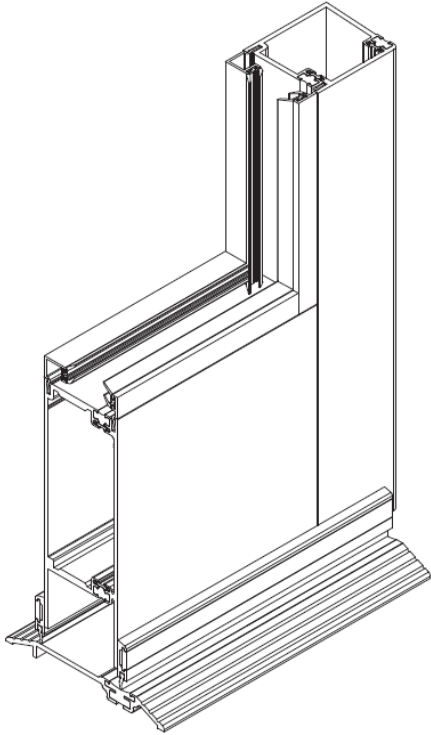
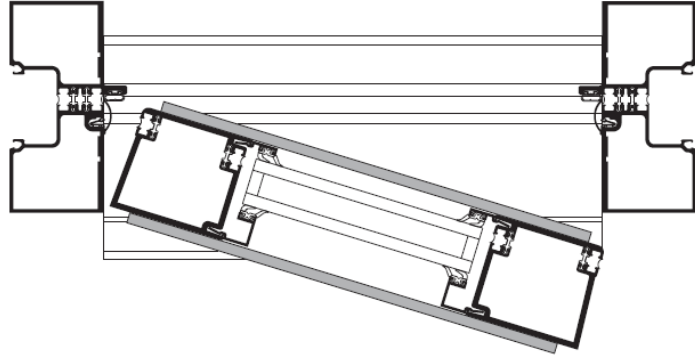


FIGURE 11-1



POSITION OF DOOR FOR MOUNTING INTERIOR WEATHERING

FIGURE 11-3



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Revision History

REV	ORIGINATOR	DESCRIPTION OF CHANGE	DATE
A	HT	SEE ECN1124588	11/21/2024
B	HT	REMOVE THE SENNECA LOGO	12/10/2025