

## Installation Requirements

Please read this guide in its entirety. For personal and system safety, and for optimum product performance, make sure you thoroughly understand the contents before installing, using, or maintaining this product. If these installation requirements are not met, Anthony can not ensure optimal product performance and warranty will be void. Refer to Figure 1.0 for clarity on the following requirement instructions.

### Net Opening and Frame Installation

Read instructions completely before installing the frame. Before installing the frame, confirm that the size of the net opening accommodates the finish frame, net opening should be 1/8" larger than the frame size, this is 1/16" all around equally gap around the frame. If the tolerances exceed 3/8", the net opening will have to be enlarged. Refer to Figure below for clarification.

- Proper framing, insulation, and clearances for openings (case bottom or floor are mandated by local building codes). Ensure that your opening meets these code requirements prior to attempting frame installation.
- Sill net opening height must be at a minimum of two inches.
- Sill, Header and Jack Studs must be completely square, level and free of any debris that may interfere with frame sitting flush to sill.
- If the gap between the frame and the net opening is greater than 1/16", shim the gap for a proper fit (refer to "Shimming Frame").

The following instructions will ensure proper frame installation:

1. When installing frame, **DO NOT** install Frame directly on Sheetrock, frame is designed to be installed to Cooler/Freezer Boxes only
2. Ensure that the Sealing Frame Flap is fully engaged the to Sill, Header, and Jack Studs creating a seal without any gaps (see Figure 2.0)
3. Make sure to **DO NOT** force the frame if the fit is too tight, doing so may cause you to break the Sealing Frame Flap or tweak the Frame.
4. 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.
5. Check the frame is aligned properly or square.
6. Use a measuring tape to measure diagonally one corner to the opposite and note the distance.
7. Measure the distance between the remaining two corners.
8. Both measurements should be the same, or within a 1/16" difference.
9. Confirm the frame and frame flanges are vertically and horizontally aligned (plumb) to the wall surface around the net opening.
10. Place a level on the top flange of the header frame to check if it is horizontally aligned.
11. If the top of the header frame sags or bows, correct as necessary.
12. When the frame is completely aligned, tighten all mounting screws securely until each is flush to the frame surface. **DO NOT** over-tighten the screws, as this can cause the frame to become out of square.
13. Check entire frame to ensure installation is correct. If needed see refer to "Shimming Frame" section for instructions on how to use shims to align frame properly.

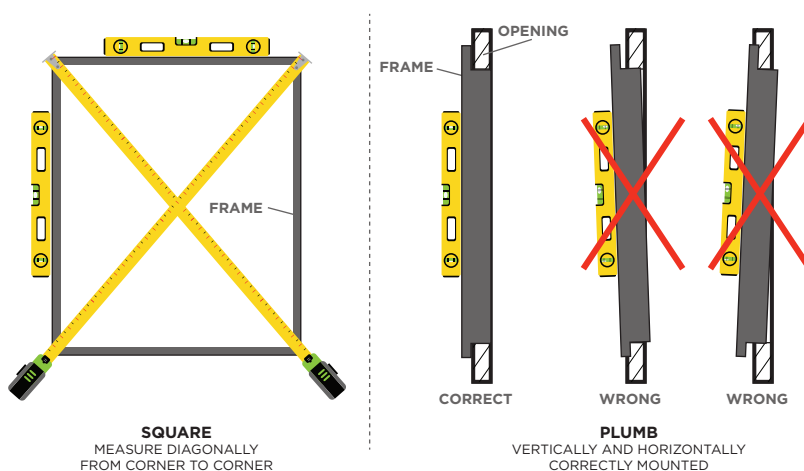
### Tools & Materials required:

- #2 Phillips-head screwdriver
- Flat-head screwdriver
- Rubber or plastic mallet
- NSF Approved Food Grade Silicone Sealant (i.e. RTV-108 or equivalent)
- 4-6 Foot Level
- Measuring Tape
- Razor knife
- Needle-nose pliers
- 7/16" & 1/2" hand wrench
- Plywood shims
- Wire stripper and cutter
- Heat gun
- 5/32" hex key
- Flat-head screwdriver

### Recommendations and Suggestions

- Complete replacement of wire assemblies is recommended whenever required.
- Splice wires only if necessary, using proper materials such as electrical tape, wire nuts, flux core solder and heat shrink.
- Apply liquid soap to rail plastic covers and gaskets upon installation, to facilitate insertion into mounting grooves.
- Keep doors and frames clean for product efficiency. This can also help reduce energy consumption and potential health hazards.
- Whenever binding gasket or plastic parts, only use food grade silicone.
- Always use the correct tool for the job to be performed. This ensures proper installation and minimizes safety risks.
- If there is any doubt about the work to be performed, consult with a certified technician or Anthony representative.
- Preventative maintenance is recommended to ensure product longevity.
- Ensure to have correct replacement screw size, quantity and type if replacing with non-Anthony hardware.
- Do not over tighten screws when installing.

Figure 1.0 - Frame Alignment; Squareness and Plumb



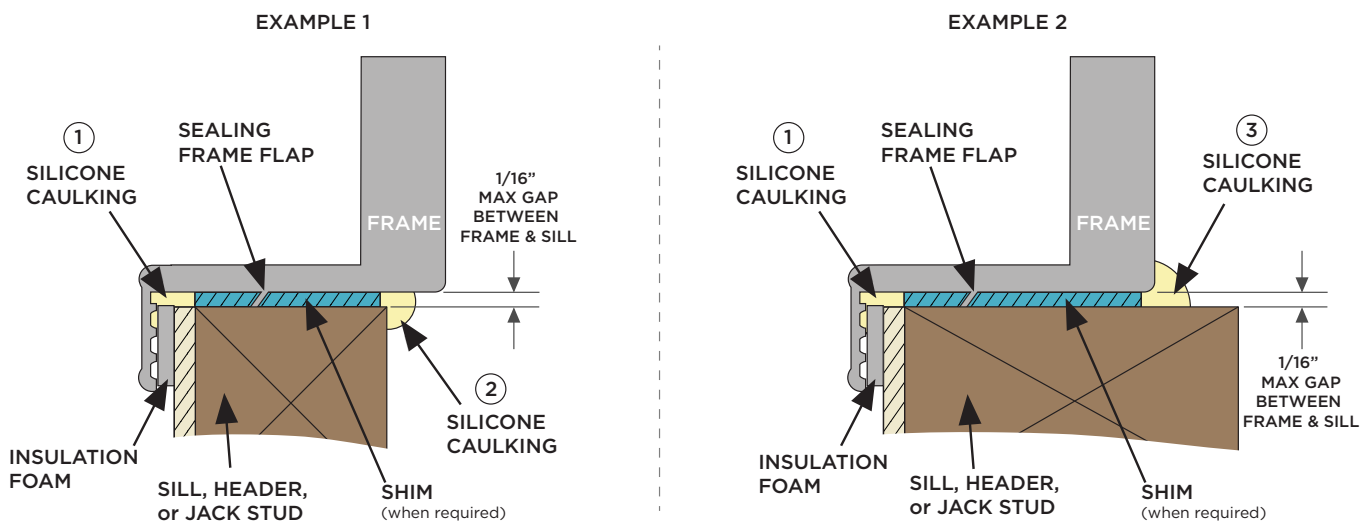
## Shimming Frame

Shimming is only to be used when necessary, and will primarily be done at the header (top) of frame and opening. If the gap between the frame and net opening is greater than 1/16", proceed to shim the gap for a proper fit. Refer to Figure 2.0, below for detailed view of Shim location. If everything is aligned, squared, plumb and gaps do not exceed 1/16" skip the shimming process and proceed to sealing the Frame refer to "Sealing the Frame" below for instructions.

The following instructions will ensure properly shim frame when necessary:

1. Acquire sturdy, penetrable material, such as plywood. The thickness of the material should be wedge shaped and slightly less than the gap to be filled, remember if gap is larger than 1/8" opening must be reduced properly accommodate the frame.
2. When using shims, they must be installed from left to right or top to bottom, **PARALLEL** to frame width or height.
3. Measure the length of the gap (height or width of frame) and cut the shim material to 1/16 of an inch less than the measured length.
4. 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.
5. If necessary, cut a second shim to the same length and install it in the opposite side of the net opening.
6. If the adjacent sides of the net opening need to be shimmed, repeat the previous steps, matching the shim length to the frame sides of the net opening (less 1/16 of an inch).
7. Shims must **NOT** be used in a perpendicular manner.
8. Excess shim material **MUST** be removed to ensure proper sealing to frame;
  - A. When the Frame extends past Sill, Header, or Jack Studs ensure that excess shim material does not extend (in depth, i.e. front to back) past the Sill, Header, or Jack Studs (see Figure 2.0, Example 1 in figure below)
  - B. When Sill, Header, or Jack Studs extend past the Frame ensure that excess shim material does not extend (in depth, i.e. front to back) past the Frame (see Figure 2.0, Example 2 in figure below)

Figure 2.0 - Frame Shimming and Sealing Details



## Sealing the Frame

The electrical connection at the Junction Box where the wires enter the frame, and where the wires enter the raceway in the frame must be sealed with NSF Approved Food Grade Silicone Sealant (RTV-108) at the time of installation. Ensure to seal the gap between the frame and the surrounding wall, inside case, cooler or freezer. Not following these procedures can void Anthony's Service & Warranty on condensation and ice build-up issues. Refer to the Figure 2.0, above for clarification.

The following instructions will ensure properly seal the Frame:

1. Always ensure that you can locate the Foam insert that lines the entire flange around the Frame; **DO NOT** remove this foam, it is critical to ensure proper insulation.
2. Ensure that the Sealing Frame Flap is fully engaged the to Sill, Header, and Jack Studs creating a seal without any gaps.
3. Ensure that any excess shimming material is removed as instructed above in "Shimming Frame".
4. If your installation is similar to Example 1 in Figure 2.0, proceed to seal with Silicone Sealant (RTV-108) as shown.
5. If your installation is similar to Example 2 in Figure 2.0, proceed to seal with Silicone Sealant (RTV-108) as shown.
6. Follow manufacturer's curing instructions for the Silicone Sealant (RTV-108) to ensure proper use.
7. Once Silicone Sealant is cured double check for any remaining gaps that require more sealant.