



# VITRUS

The most advanced  
**Wine Cellar Enclosure**  
combining superior performance  
with sleek design

This installation guide has been prepared based on a sample VITRUS enclosure and outlines the fundamental steps for VITRUS assembly. Since VITRUS is offered in various configurations, the assembly steps described in this guide may vary for different VITRUS configurations. This installation guide is intended to provide VITRUS dealers with insights on how to assemble VITRUS enclosures, including the number of people required, the estimated time, and the necessary tools, as well as to give an idea of the assembly process.

VITRUS enclosures are shipped flat-packed on pallets in wooden crates. Each component that makes up the enclosure is individually packaged and labeled with numbered part tags.

Please note that all screw holes have already been pre-drilled, and there's no need to create any new screw holes. Utilize only the pre-drilled screw holes for securing components. Each of the pre-drilled screw holes is marked with numbers. These numbers correspond to the type of screw you should use for each specific hole. Each type of screw is provided in separate plastic bags, each clearly numbered for easy identification.

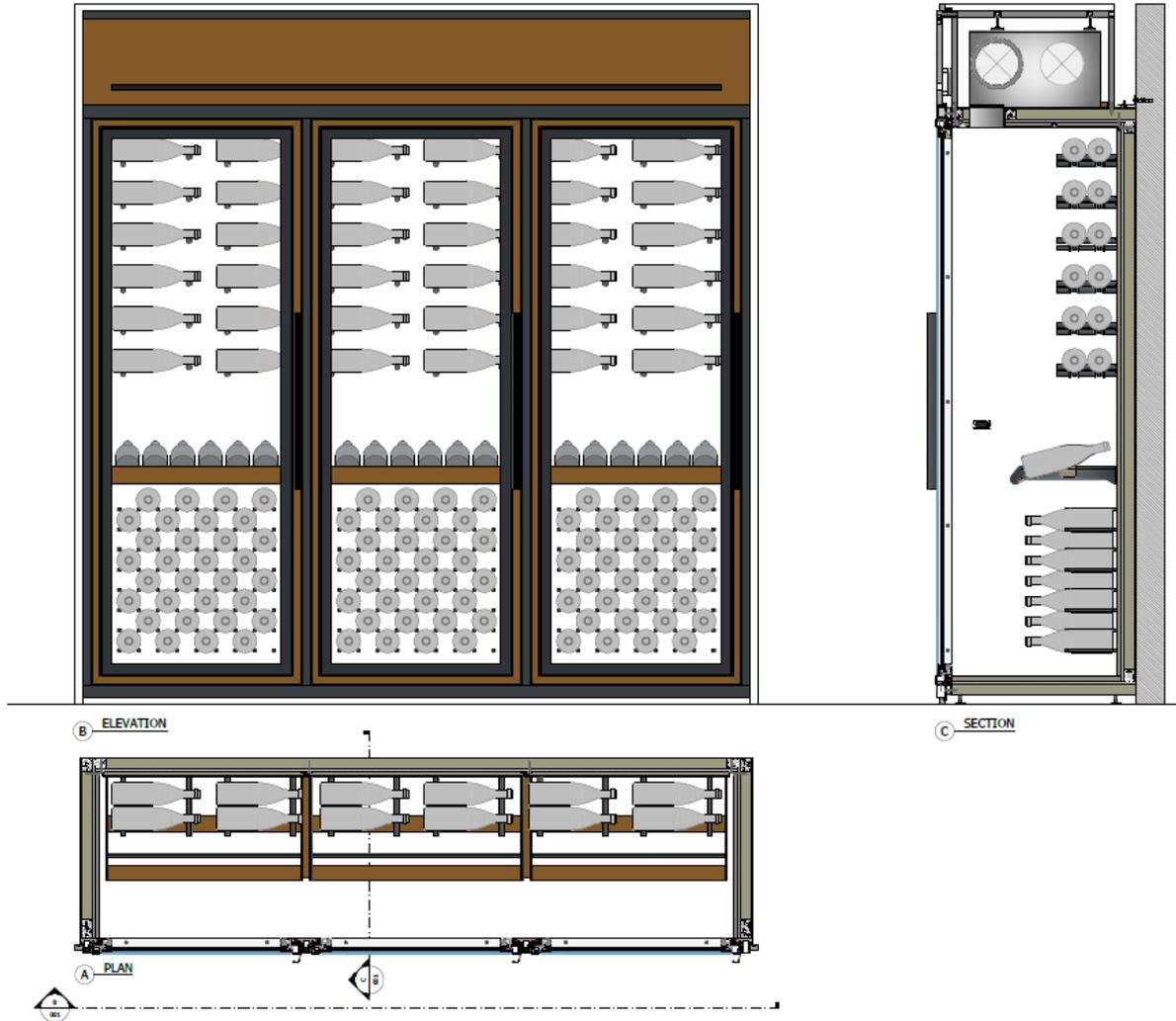
Please feel free to share your questions regarding the assembly with us. Additionally, we would appreciate your feedback and improvement suggestions to help us further enhance VITRUS together.

### ASSEMBLED VITRUS ENCLOSURE

on which this installation guide is based

In this Sample Installation Guide:

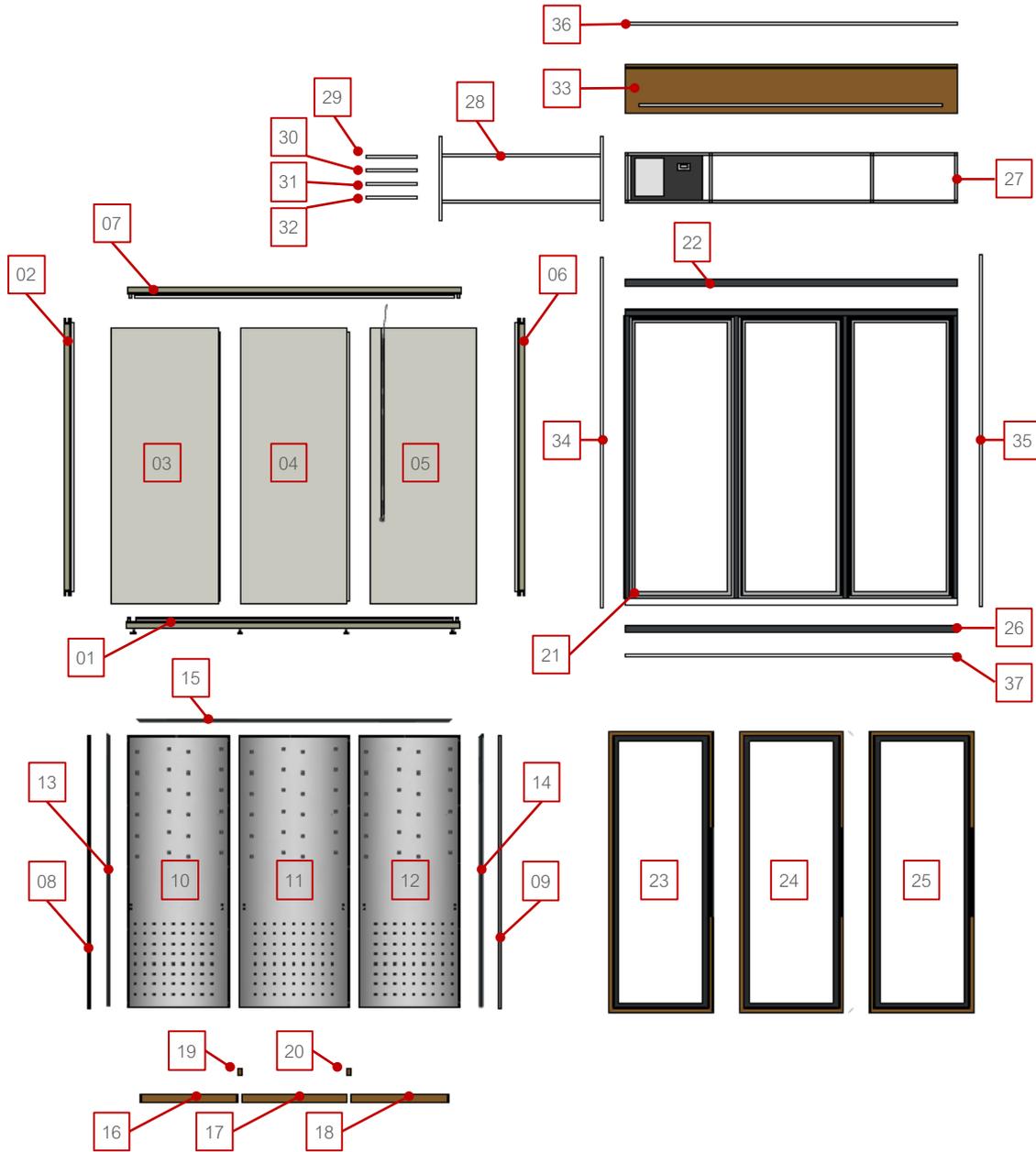
The assembly process for a 3-door VITRUS enclosure with solid panels on both sides and at the back will be explained. The door frame finish is "Wood Inlay," and the racking system comprises Wine Pegs – Label Forward, Inclined Shelves, and Wine Pegs – Cork Forward. The Cooling unit used is the CellarPro 1800 Series.



# EXPLODED PART DIAGRAM

# VITRUS

Sample Installation Guide



- 01 - Insulated Floor Panel
- 02 - Insulated Side Panel - Left
- 03 - Insulated Back Panel - Left
- 04 - Insulated Back Panel - Middle
- 05 - Insulated Back Panel - Right
- 06 - Insulated Side Panel - Right
- 07 - Insulated Top Panel
- 08 - Decorative Side Panel - Left
- 09 - Decorative Side Panel - Right
- 10 - Decorative Back Panel - Left
- 11 - Decorative Back Panel - Middle
- 12 - Decorative Back Panel - Right
- 13 - Decorative Z Profile - Left
- 14 - Decorative Z Profile - Right
- 15 - Decorative Z Profile - Top
- 16 - Inclined Shelf - Left
- 17 - Inclined Shelf - Middle
- 18 - Inclined Shelf - Right
- 19 - Decorative Wooden Cover - Left
- 20 - Decorative Wooden Cover - Right
- 21 - Cabinet Body Frame
- 22 - Cabinet Body Top Trim
- 23 - Door - Left
- 24 - Door - Middle
- 25 - Door - Right
- 26 - Cabinet Body Bottom Trim
- 27 - Upper Compartment Framework - Rear
- 28 - Upper Compartment Framework - Top
- 29 - Upper Compartment Framework - Left 1
- 30 - Upper Compartment Framework - Left 2
- 31 - Upper Compartment Framework - Right 1
- 32 - Upper Compartment Framework - Right 2
- 33 - Upper Compartment Framework - Front
- 34 - Filler - Left
- 35 - Filler - Right
- 36 - Filler - Top
- 37 - Toe-Kick

### INSTALLATION STEP #001

#### Installation of Insulated Floor Panel with Decorative Floor Finish

Position the Insulated Floor Panel with the decorative floor finish onto the floor. Adjust the height of the Insulated Floor Panel using the leveling legs and a key wrench. Confirm the alignment with a leveling tool.

The upper surface of the Decorative Floor Finish must be 4 inches above the Finished Floor Level (FFL), as illustrated in the drawing.

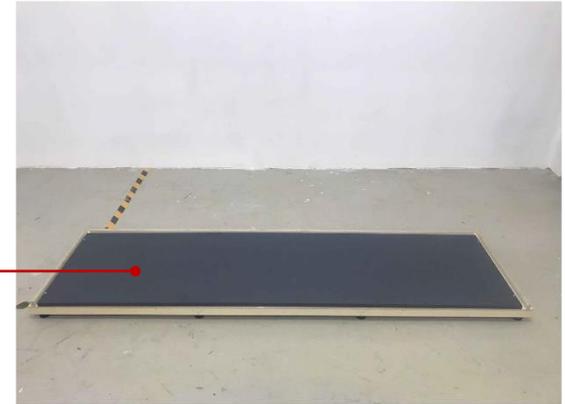
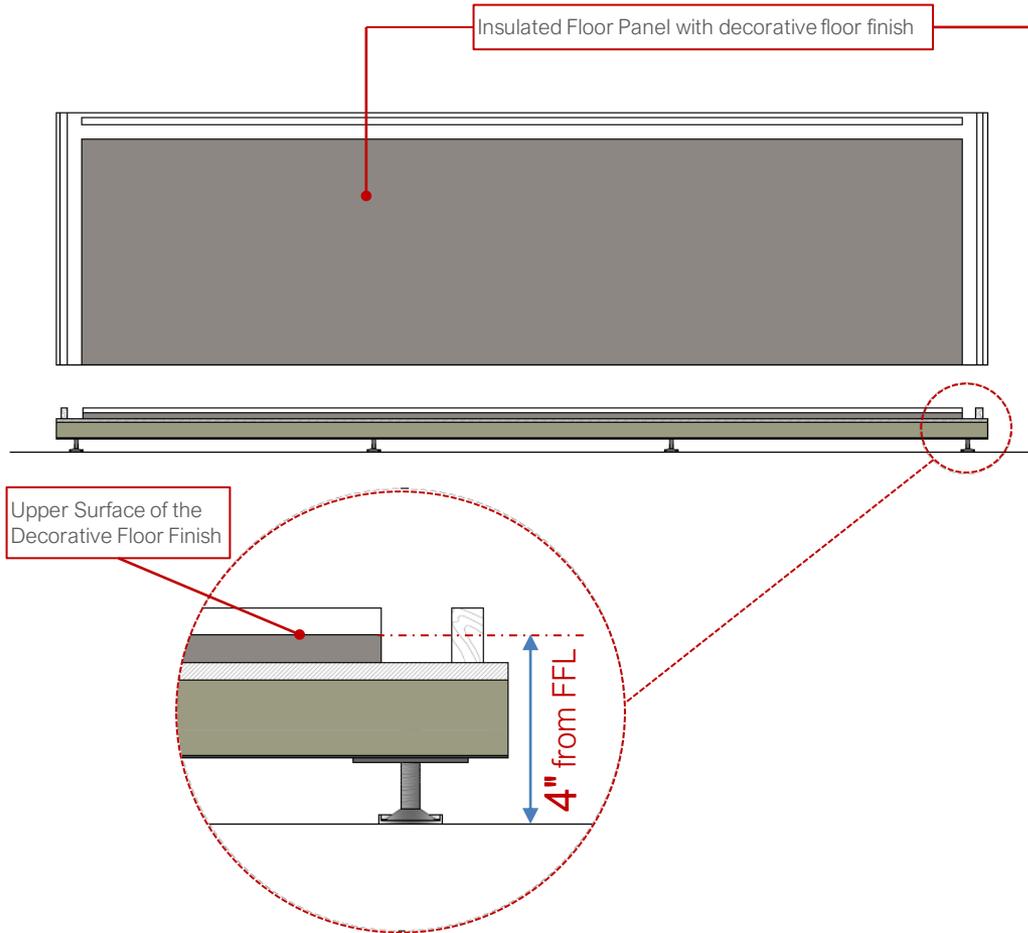


Photo 001.1



Photo 001.2



Photo 001.3

### INSTALLATION STEP #002

#### Installation of Insulated Side Panel – Left

Position as illustrated with arrows in the drawing and securely screw the Insulated Side Panel - Left using the designated screw holes. The Tongue-and-Groove joint between the floor and side panels ensures correct positioning.

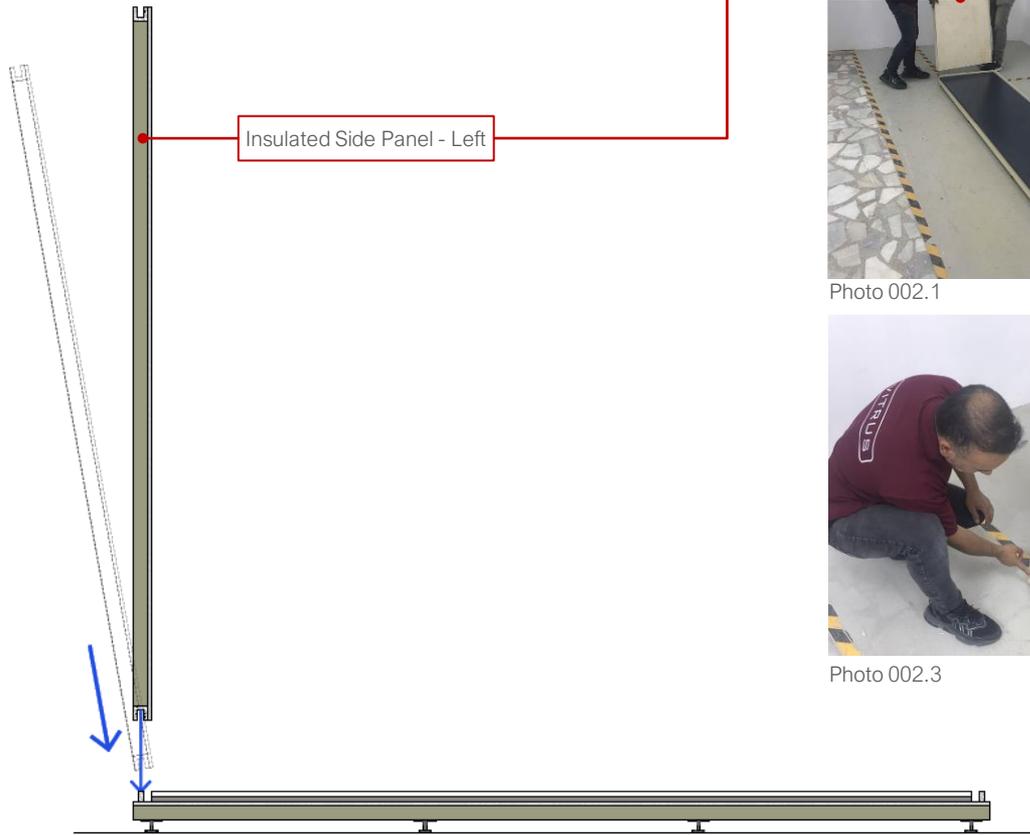


Photo 002.1



Photo 002.2



Photo 002.3



Photo 002.4

### INSTALLATION STEP #003

#### Installation of Insulated Back Panel – Left

Position as illustrated with arrows in the drawing and securely screw the Insulated Back Panel - Left using the designated screw holes. The Tongue-and-Groove joint between the floor and back panels ensures correct positioning.

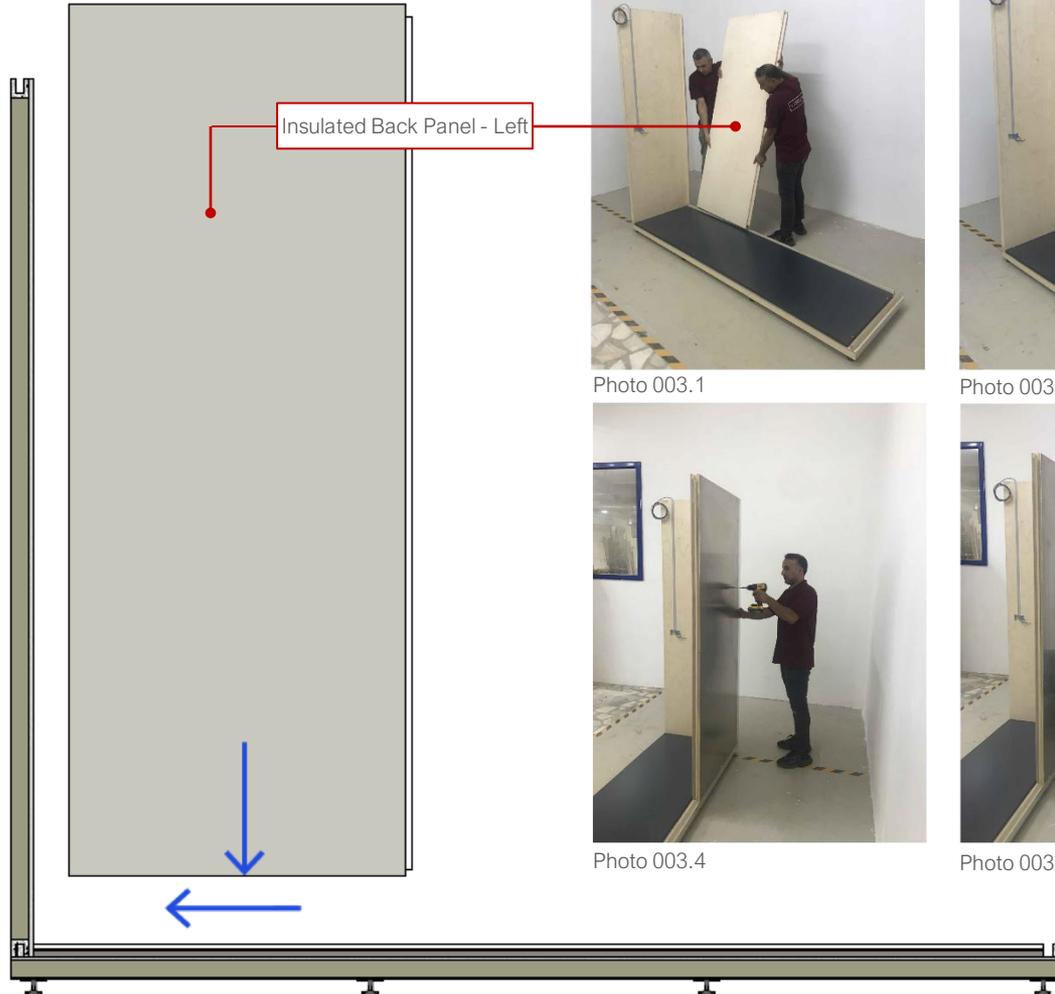


Photo 003.1



Photo 003.2



Photo 003.3



Photo 003.4



Photo 003.5



Photo 003.6

### INSTALLATION STEP #004

#### Installation of Insulated Back Panel – Middle

Position as illustrated with arrows in the drawing and securely screw the Insulated Back Panel - Middle using the designated screw holes. The Tongue-and-Groove joint between the floor and back panels ensures correct positioning.

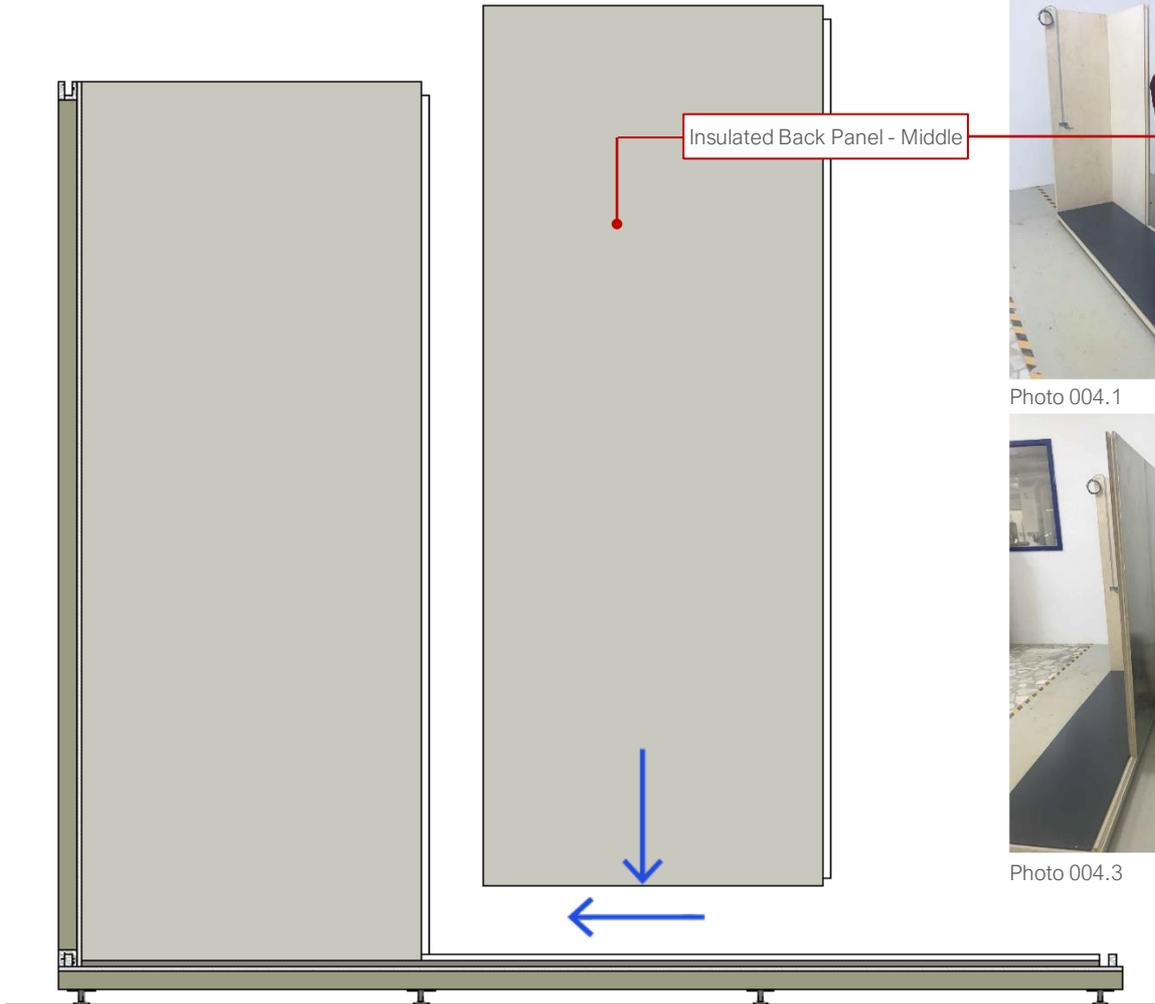


Photo 004.1



Photo 004.2



Photo 004.3

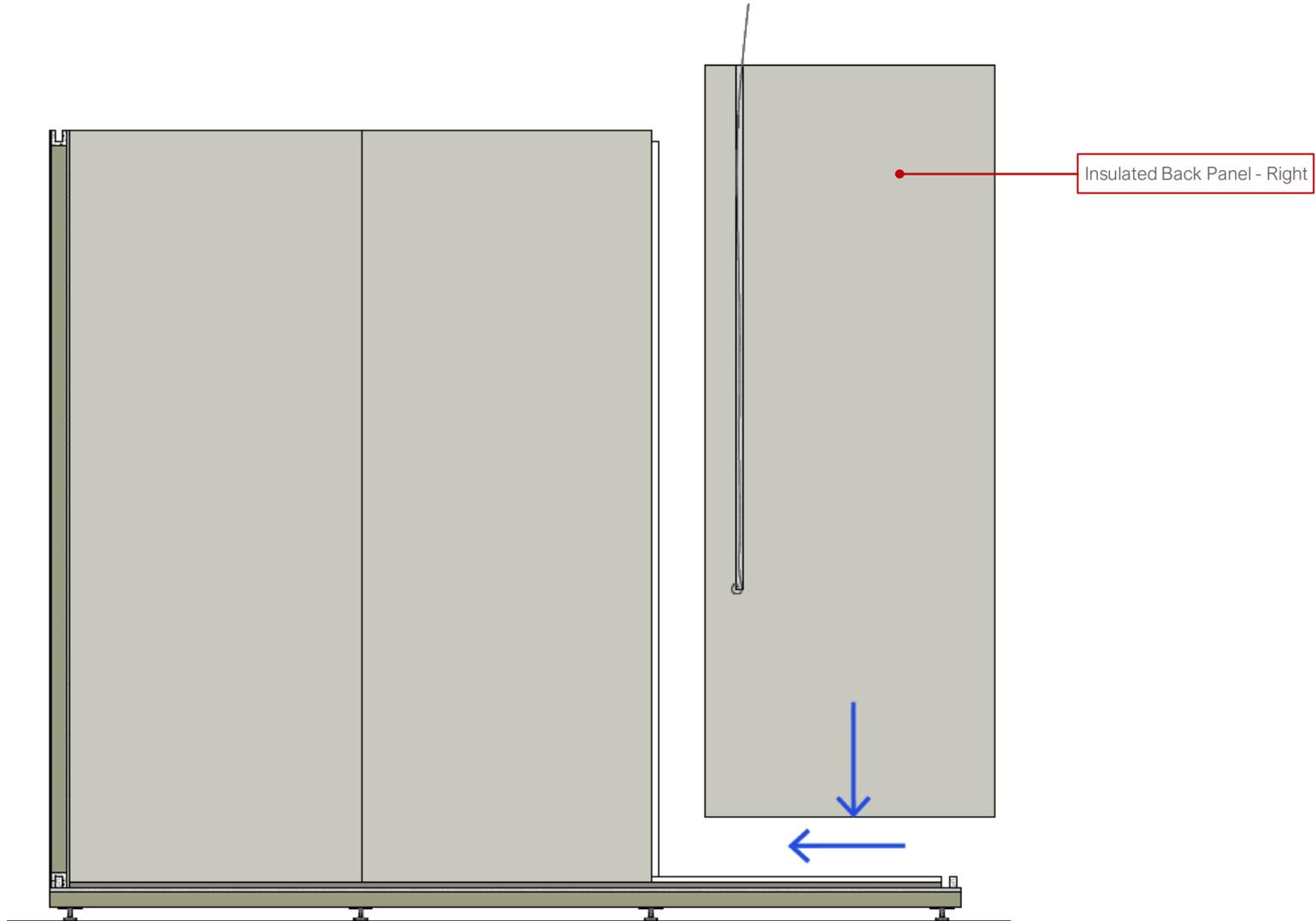


Photo 004.4

**INSTALLATION STEP #005**

## Installation of Insulated Back Panel – Right

Position as illustrated with arrows in the drawing and securely screw the Insulated Back Panel - Right using the designated screw holes. The Tongue-and-Groove joint between the floor and back panels ensures correct positioning.



### INSTALLATION STEP #006

#### Installation of Insulated Side Panel – Right

Position as illustrated with arrows in the drawing and securely screw the Insulated Side Panel - Right using the designated screw holes. The Tongue-and-Groove joint between the floor and side panels ensures correct positioning.

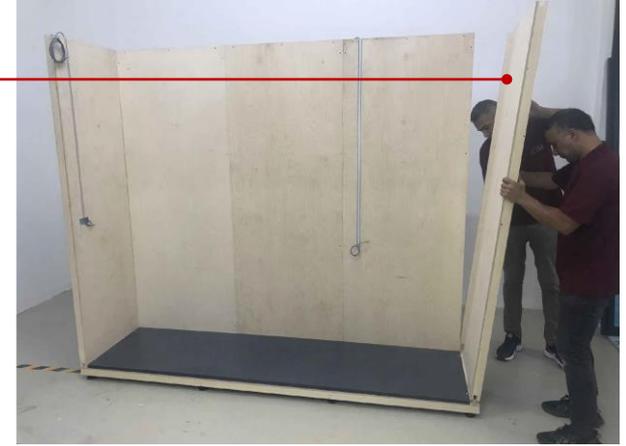
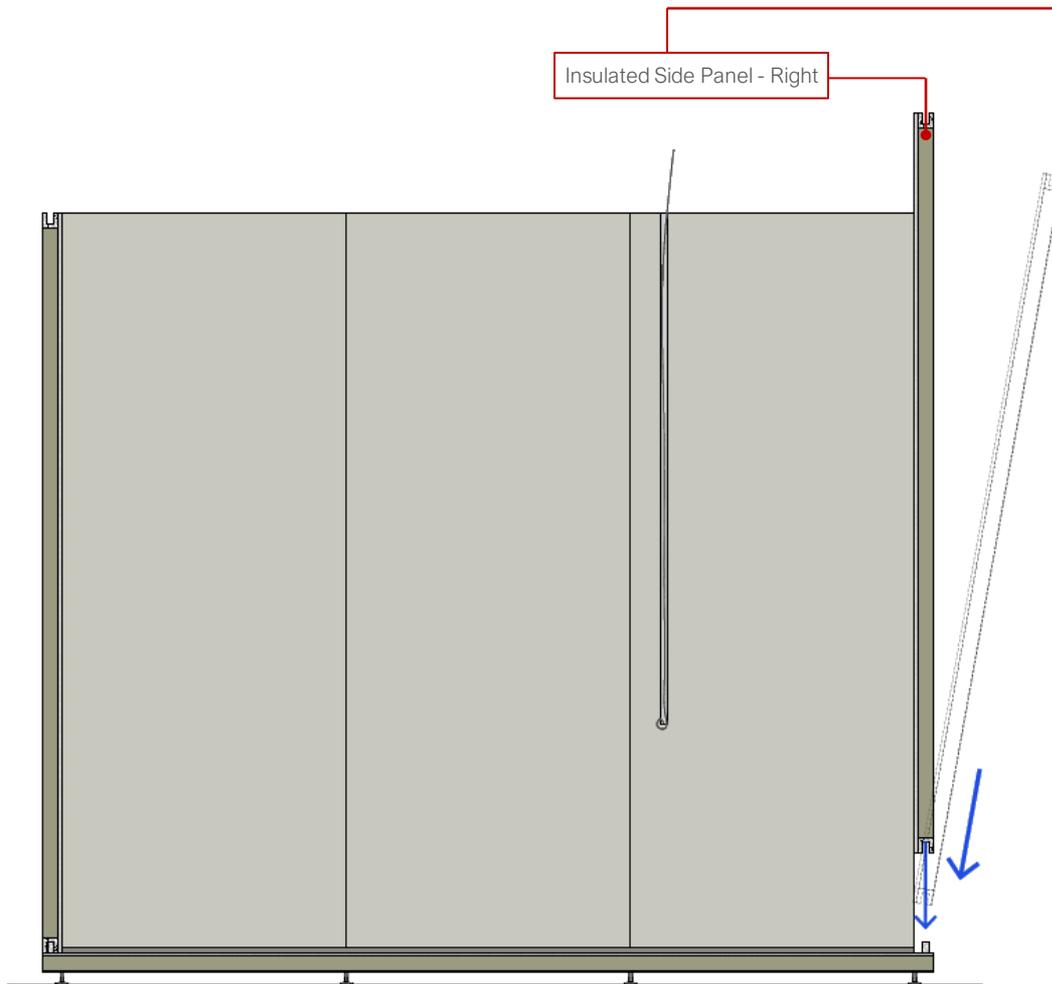


Photo 006.1



Photo 006.2



Photo 006.3

### INSTALLATION STEP #007

#### Installation of Insulated Top Panel with Decorative Ceiling Finish

Place the Insulated Top Panel with Decorative Ceiling Finish onto the wall panels, ensuring proper alignment. The Tongue-and-Groove joint between the panels ensures correct positioning.

Bring the cables running through the cable channels along the Insulated Side Panel - Left and Insulated Back Panel – Right to the upper side of the Insulated Top Panel through the pre-drilled cable holes.

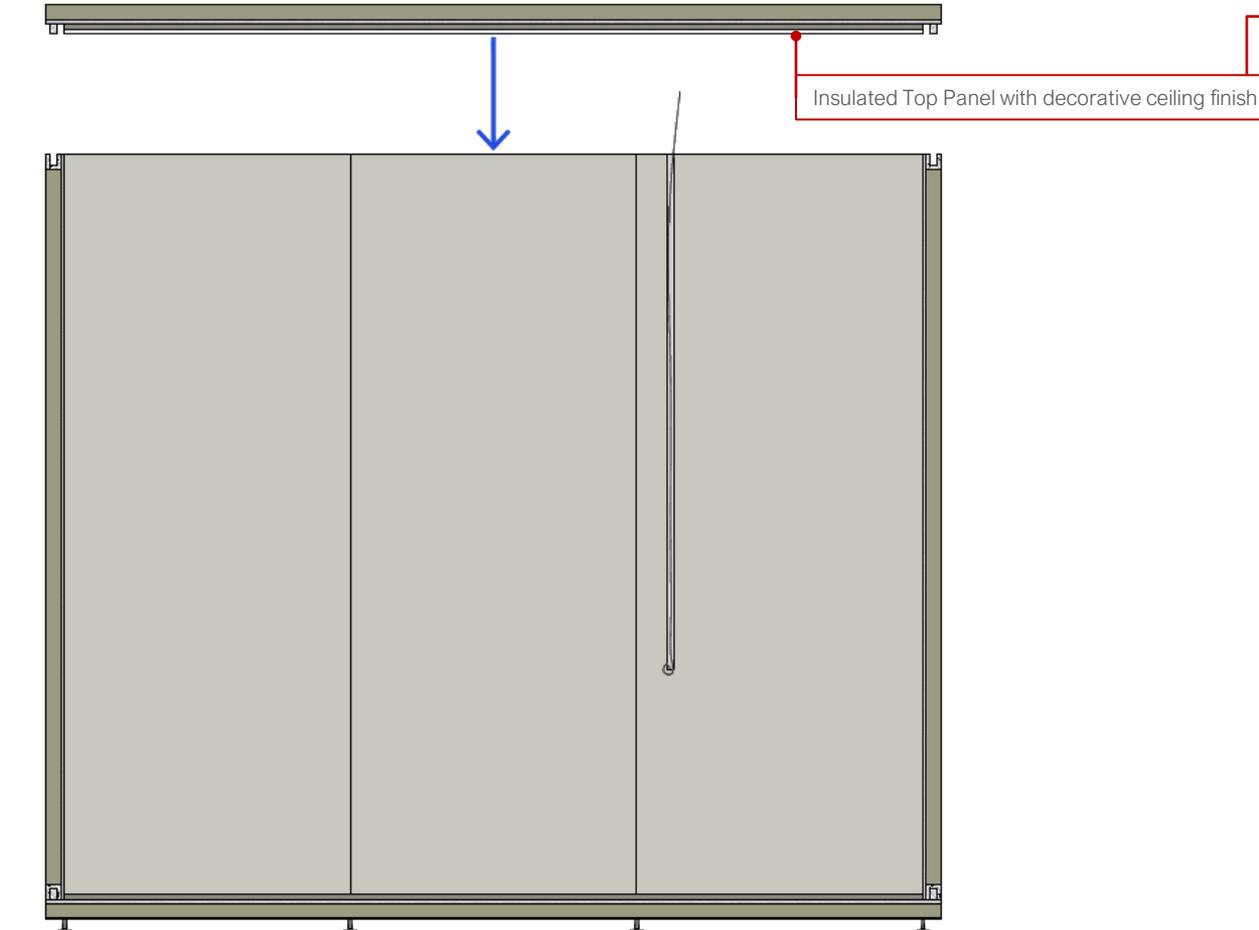


Photo 007.1



Photo 007.2



Photo 007.3

**INSTALLATION STEP #007 (continued)**

## Installation of Insulated Top Panel with Decorative Ceiling Finish

Securely screw the Insulated Top Panel with Decorative Ceiling Finish using the designated screw holes.



Photo 007.4



Photo 007.5



Photo 007.6

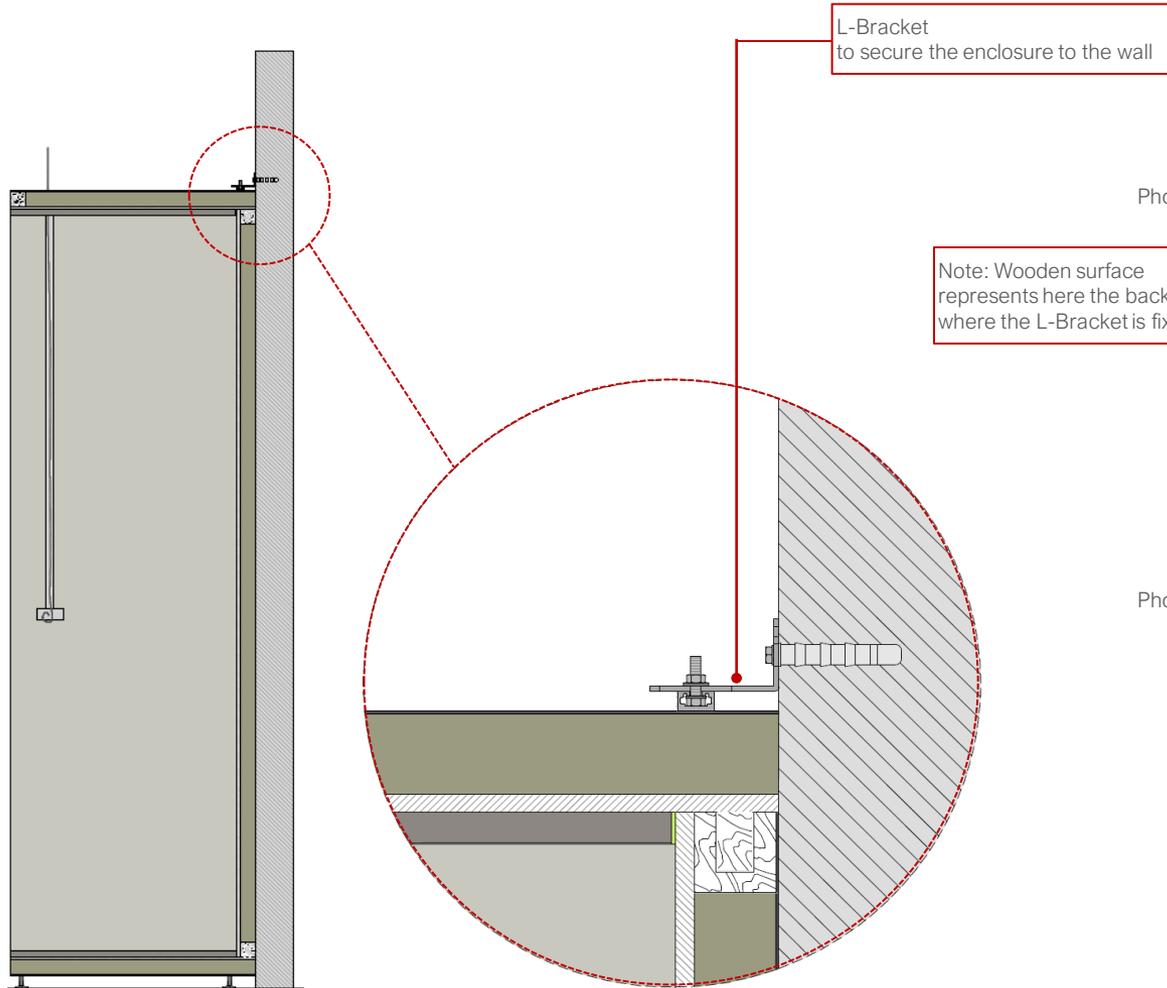


Photo 007.7

### INSTALLATION STEP #008

#### Securing the Wine Cabinet to the Wall

After assembling the insulated panels of the enclosure, it's essential to secure the enclosure to the back wall using the supplied L-brackets. These L-brackets can be easily adjusted along the channel located on the top side of the enclosure's rear, offering flexibility to find the appropriate position on the wall, such as aligning with wall studs, to secure the L-brackets.



Note: Wooden surface represents here the back wall where the L-Bracket is fixed.



Photo 008.1



Photo 008.2



Photo 008.3

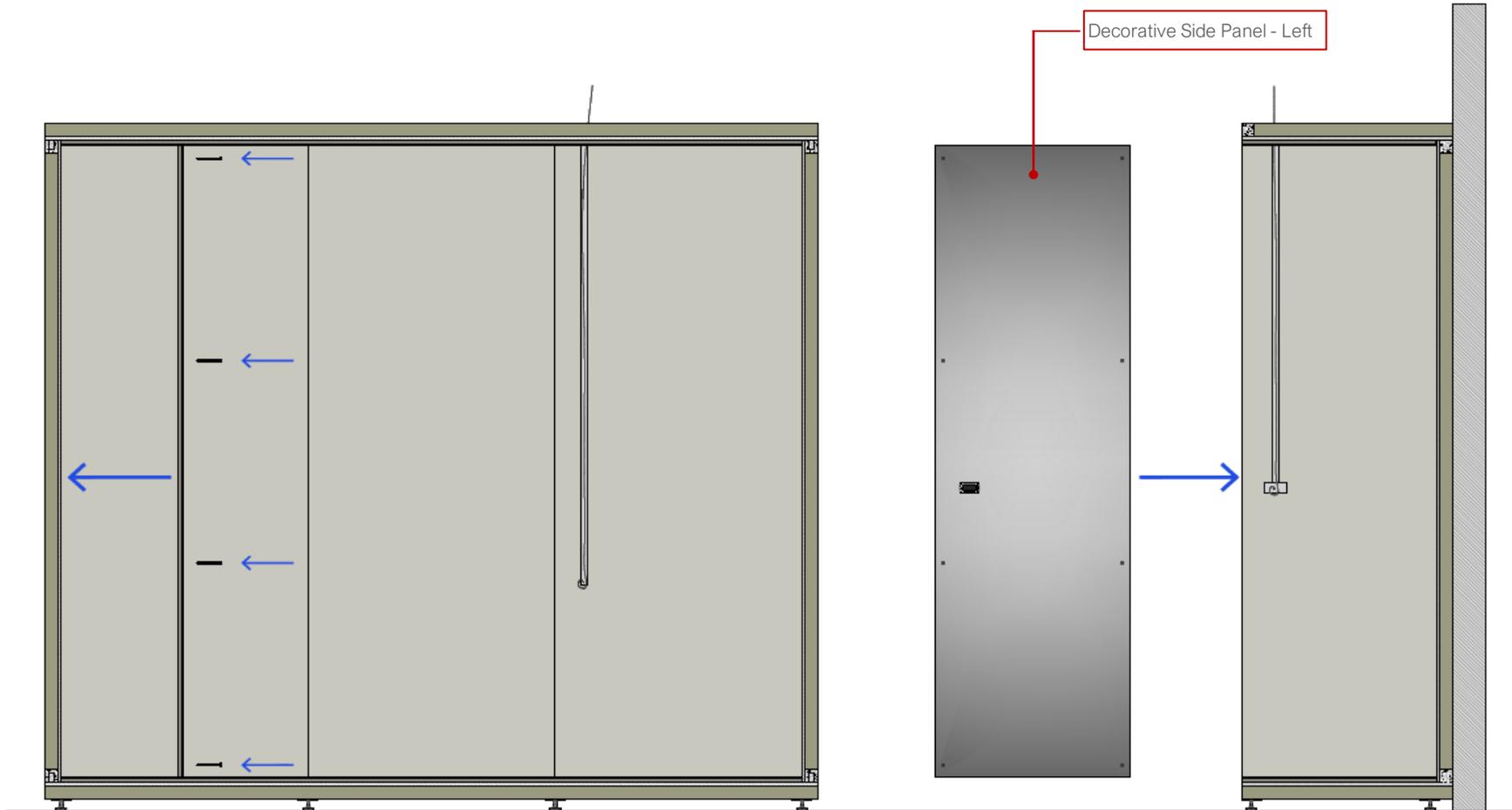
**INSTALLATION STEP #009**

## Installation of Decorative Side Panel - Left

Place the Decorative Side Panel - Left, one of the interior wall finish panels, into its designated location, ensuring proper alignment.

Pass the cable running down through the cable channel along the Insulated Side Panel - Left through the pre-opened slot on the Decorative Side Panel - Left for future connection to the digital thermostat to be installed on the Decorative Side Panel - Left.

Securely screw the Decorative Side Panel - Left using the pre-drilled screw holes.

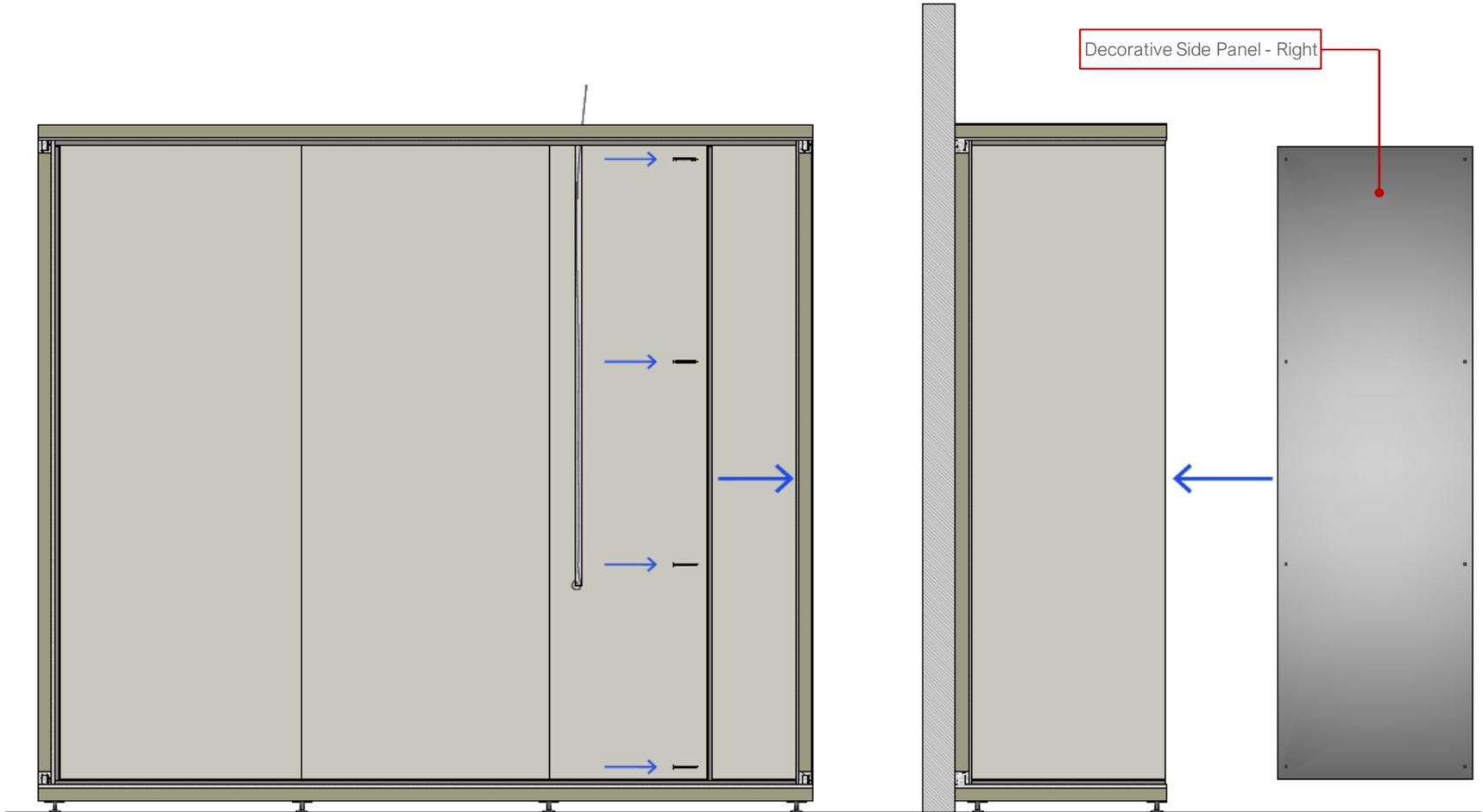


**INSTALLATION STEP #010**

## Installation of Decorative Side Panel - Right

Place the Decorative Side Panel - Right, one of the interior wall finish panels, into its designated location, ensuring proper alignment.

Securely screw the Decorative Side Panel - Right using the pre-drilled screw holes.



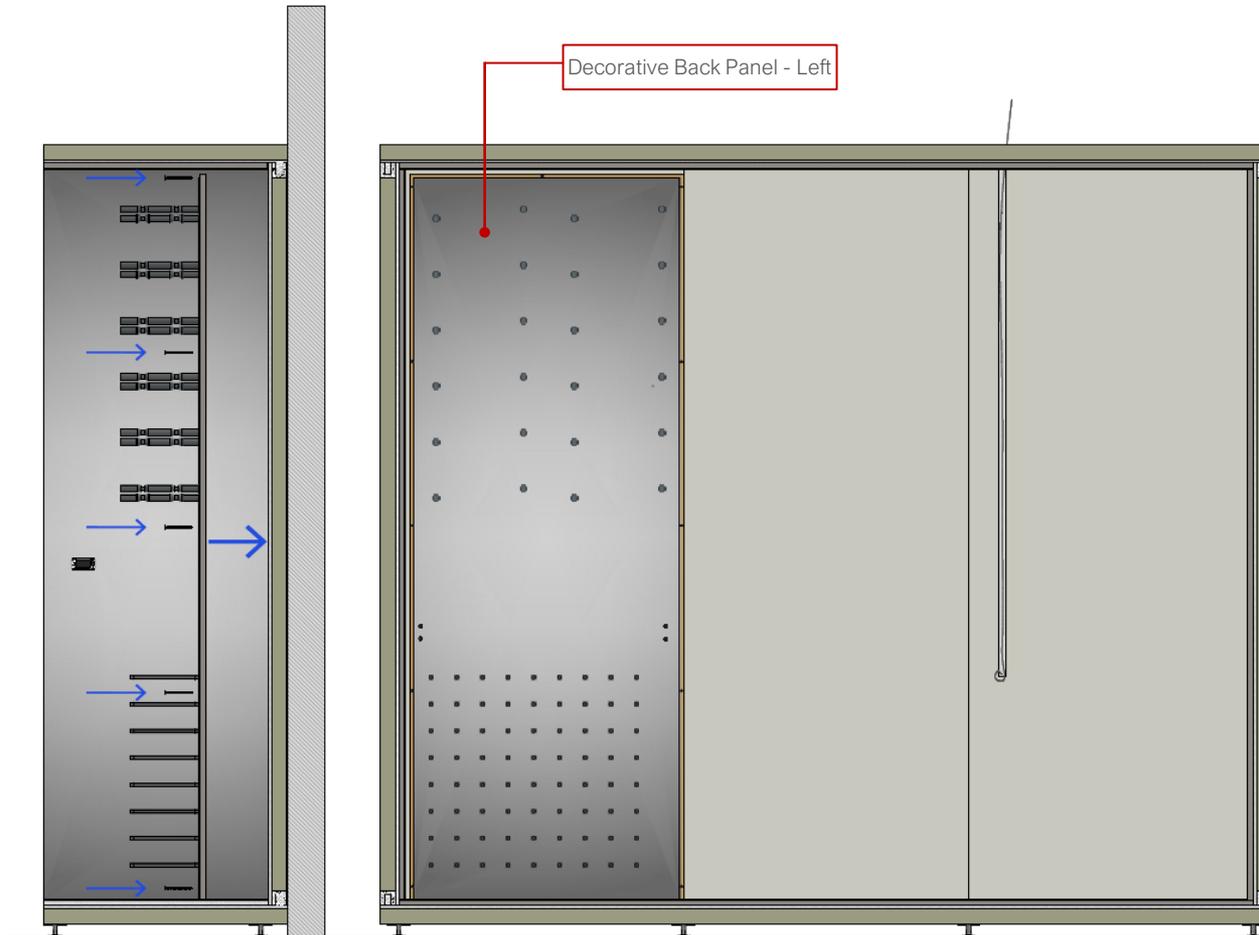
**INSTALLATION STEP #011**

## Installation of Decorative Back Panel - Left

**PROCEED TO INSTALLATION STEP #017 IF YOU ARE INSTALLING A VITRUS ENCLOSURE IN THE "BARE-SHELL" VERSION.**

Place the Decorative Back Panel - Left, one of the interior wall finish panels, into its designated location, ensuring proper alignment.

Securely screw the Decorative Back Panel - Left using the pre-drilled screw holes.



### INSTALLATION STEP #011 (continued) Installation of Decorative Back Panel - Left

Decorative Back Panel - Left



Photo 011.1



Photo 011.2



Photo 011.3

### INSTALLATION STEP #012

#### Installation of Decorative Back Panel - Middle

Place the Decorative Back Panel - Middle, one of the interior wall finish panels, into its designated location, ensuring proper alignment.

Securely screw the Decorative Back Panel - Middle using the pre-drilled screw holes.

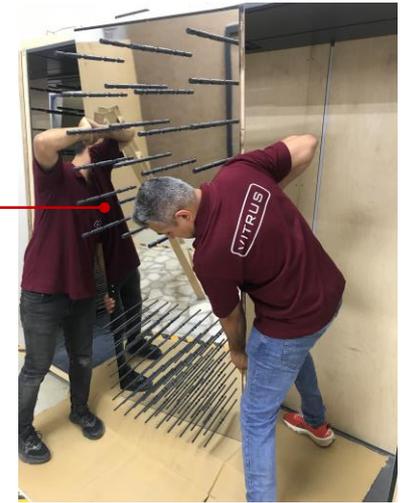
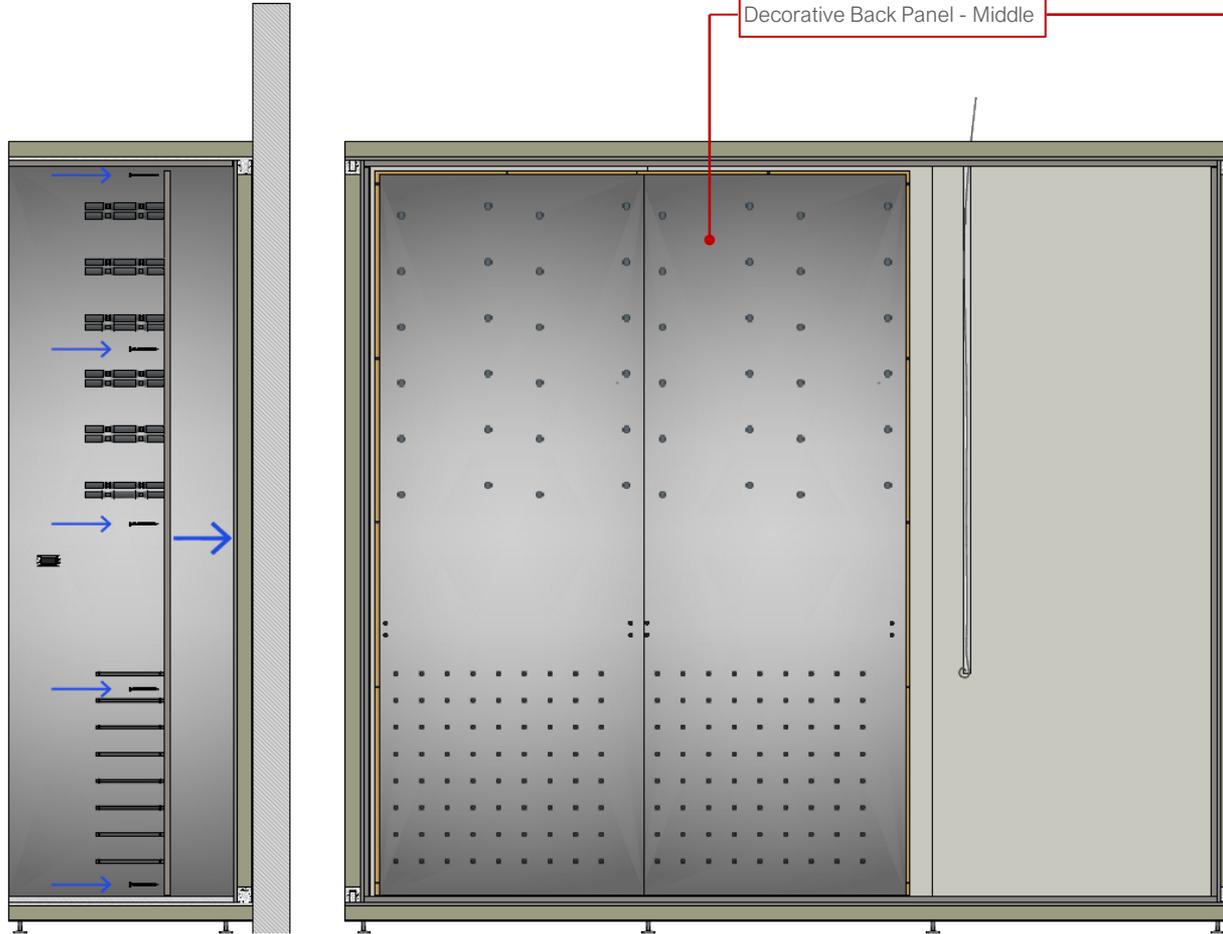


Photo 012.1



Photo 012.2

**INSTALLATION STEP #013**

## Installation of Decorative Back Panel - Right

Place the Decorative Back Panel - Right, one of the interior wall finish panels, into its designated location, ensuring proper alignment.

Pass the cable running down through the cable channel along the Insulated Side Panel - Right through the pre-opened hole on the Decorative Back Panel - Right for future connection to the lights of the racking system.

Securely screw the Decorative Back Panel - Right using the pre-drilled screw holes.

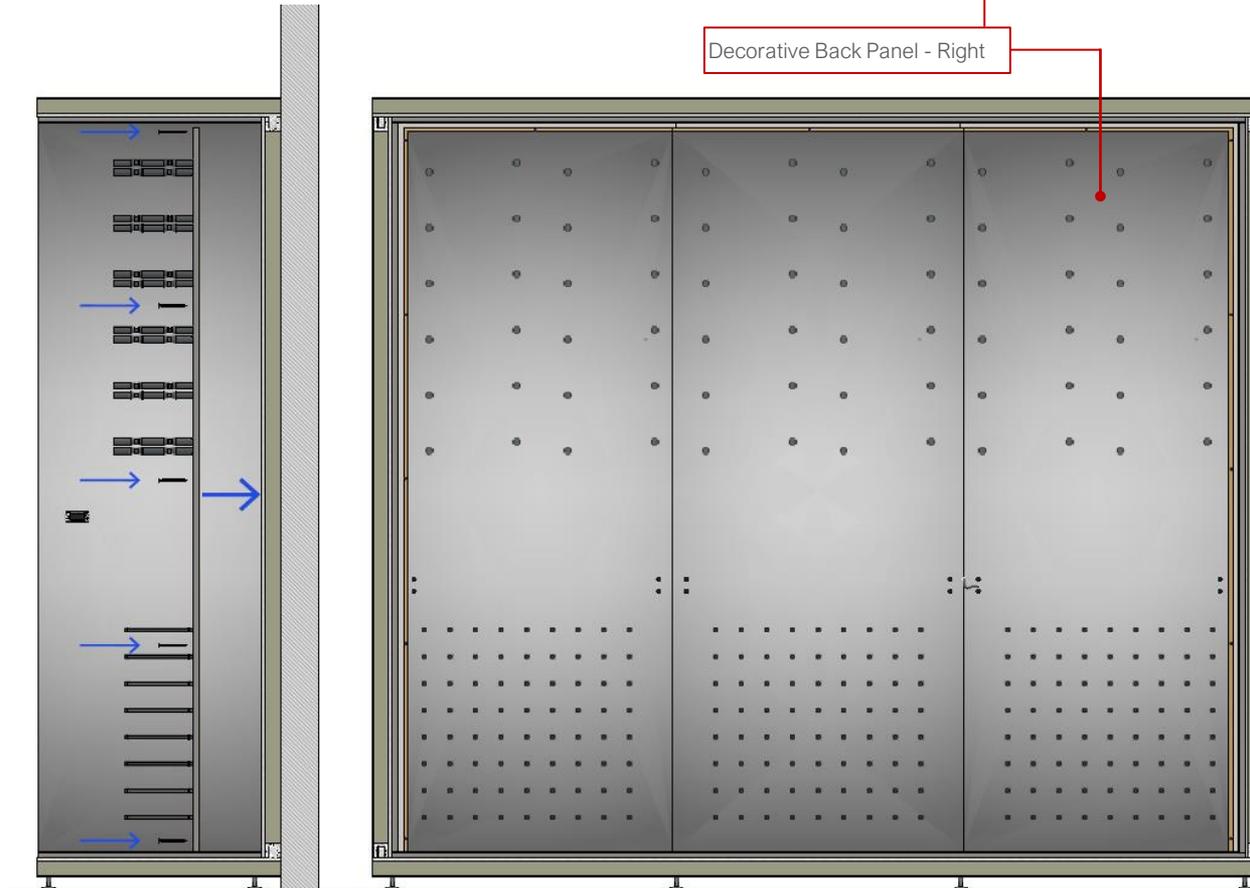


Photo 013.1

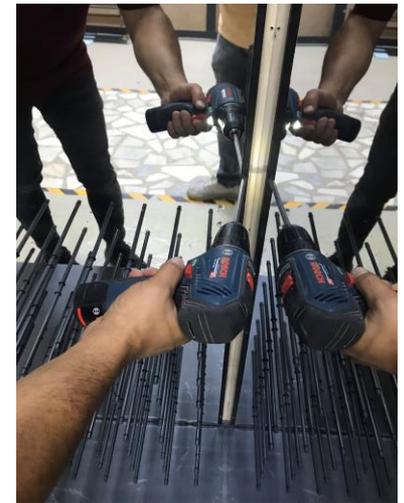


Photo 013.2

## INSTALLATION STEP #014

### Installation of Decorative Z Profiles - Left & Right

Place the Decorative Z Profiles into the gaps between the decorative side and back panels on the left and right. Securely screw the Decorative Z Profiles using the designated screw holes.

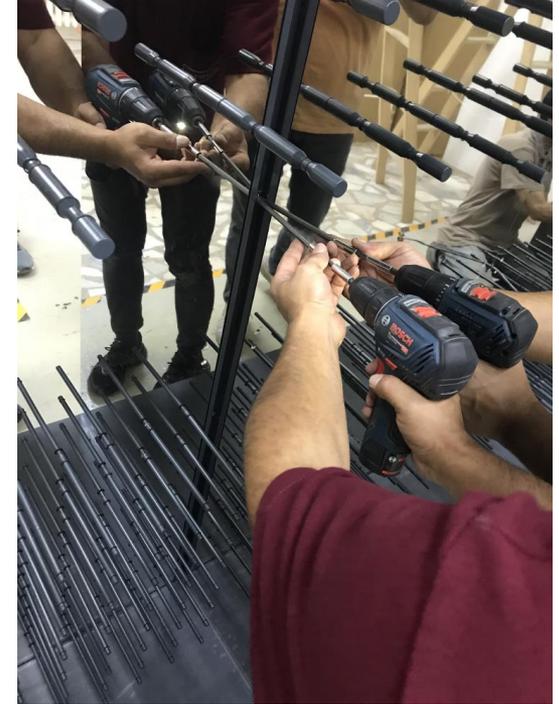
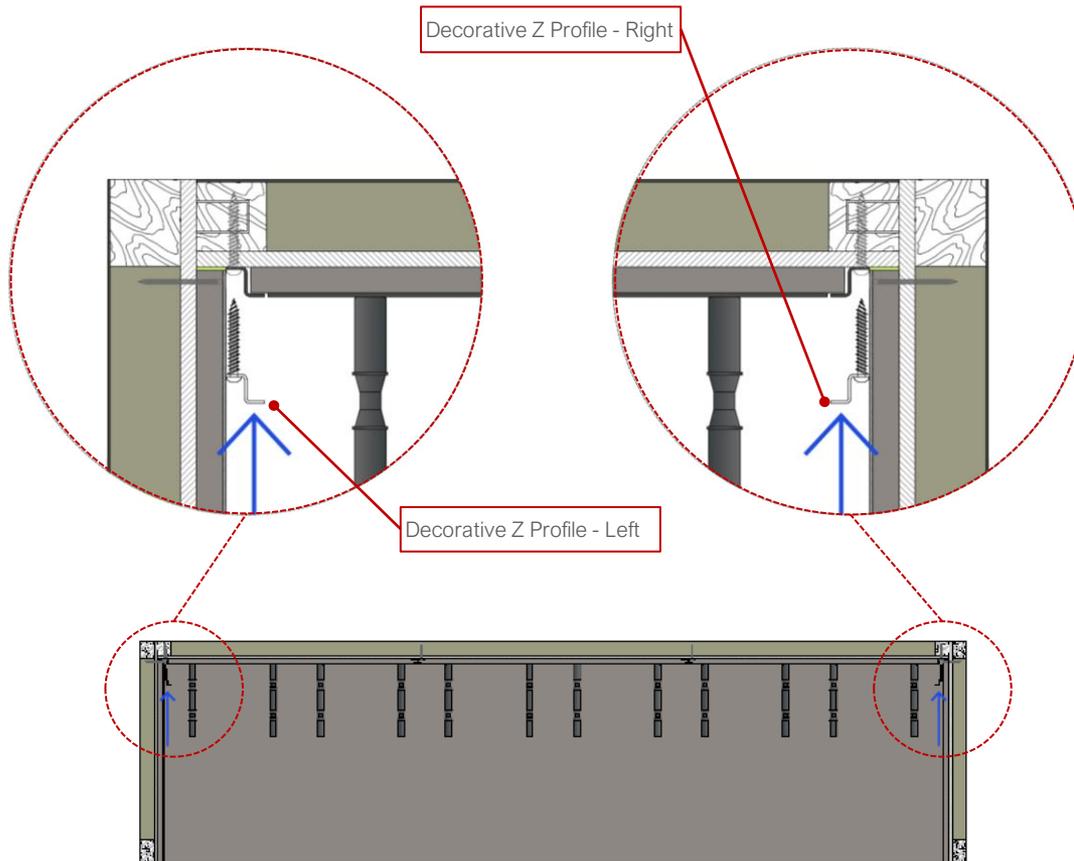
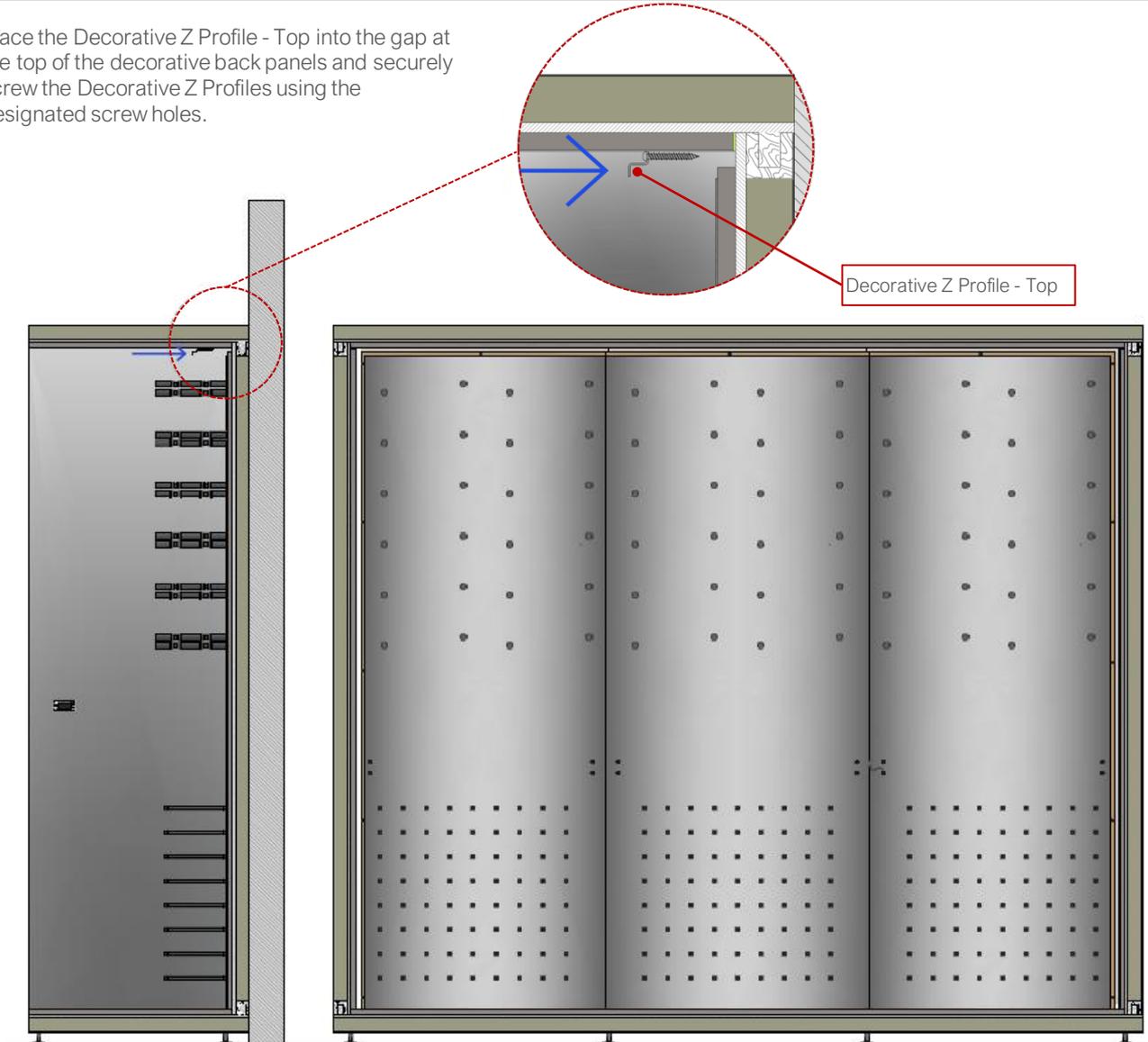


Photo 014.1

## INSTALLATION STEP #015

### Installation of Decorative Z Profile - Top

Place the Decorative Z Profile - Top into the gap at the top of the decorative back panels and securely screw the Decorative Z Profiles using the designated screw holes.



### INSTALLATION STEP #015 (continued) Installation of Decorative Z Profile - Top



Photo 015.1

Decorative Z Profile - Top



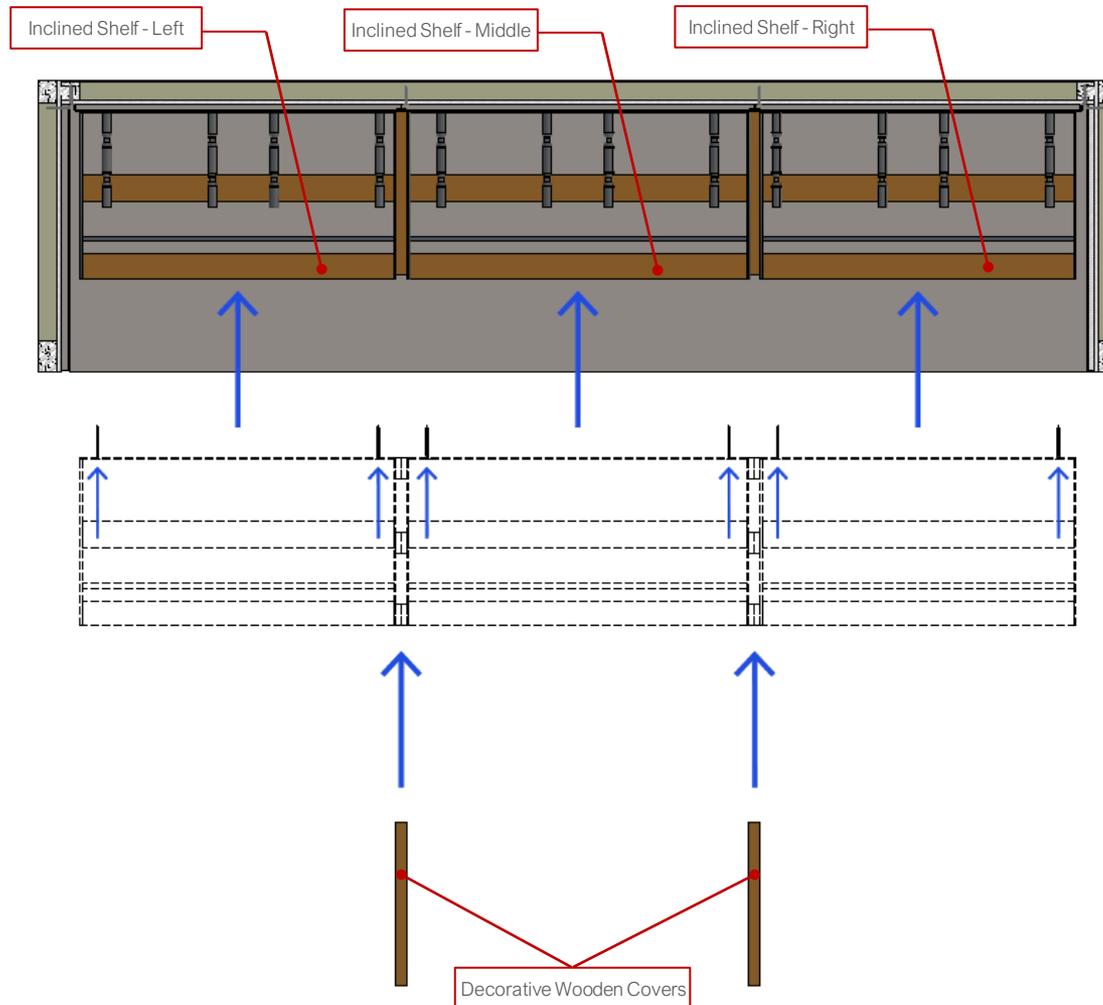
Photo 015.2

**INSTALLATION STEP #016**

## Installation of Racking System (Inclined Shelves)

Position and install the Inclined Shelves by securing them in place, screwing them to the back panel through the pre-drilled screw holes.

Once the cable connections are complete, place the decorative wooden covers between the Inclined Shelves to hide the cables.



### INSTALLATION STEP #016 (continued) Installation of Inclined Shelves



Photo 016.1



Photo 016.2



Photo 016.3

### INSTALLATION STEP #017

#### Installation of Cabinet Body Frame

Place the Cabinet Body Frame into its location, using support blocks underneath to ensure proper alignment.

Securely screw it using the designated screw holes located on both the upper and lower front surfaces of the frame.

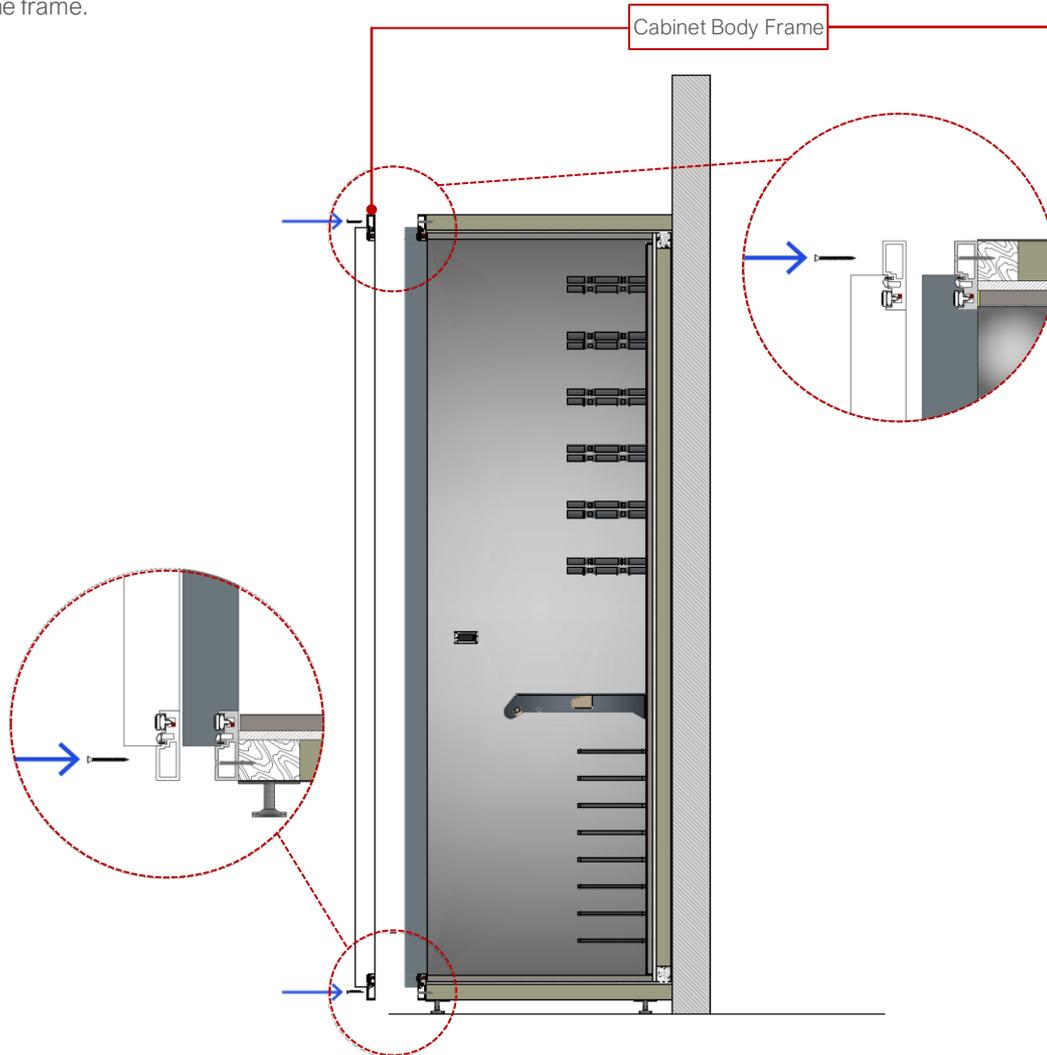


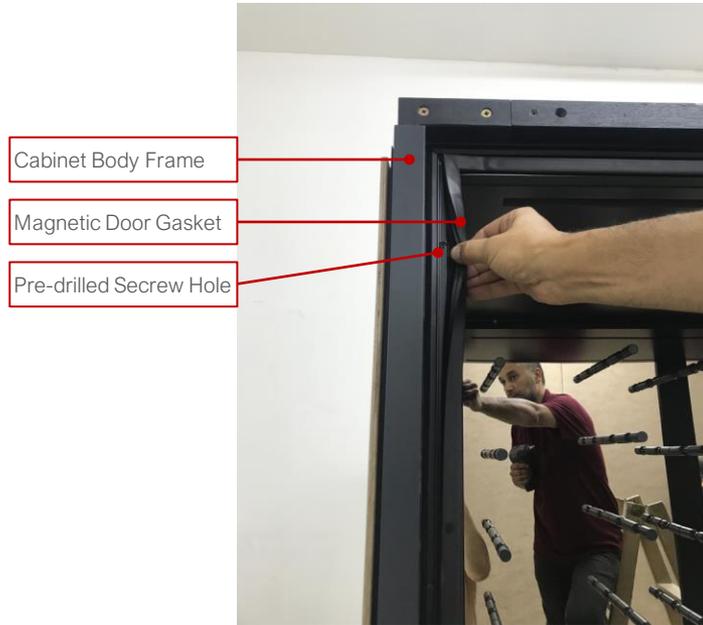
Photo 017.1



Photo 017.2

**INSTALLATION STEP #017** (continued)  
Installation of Cabinet Body Frame

Screw the Cabinet Body Frame using the pre-drilled screw holes located under the vertical magnetic door gaskets on the leftmost and rightmost sides of the frame.



### INSTALLATION STEP #018

#### Installation of the Cabinet Body Top Trim

Install the Cabinet Body Top Trim and securely screw it using the designated screw holes located on the top and both sides of the part.

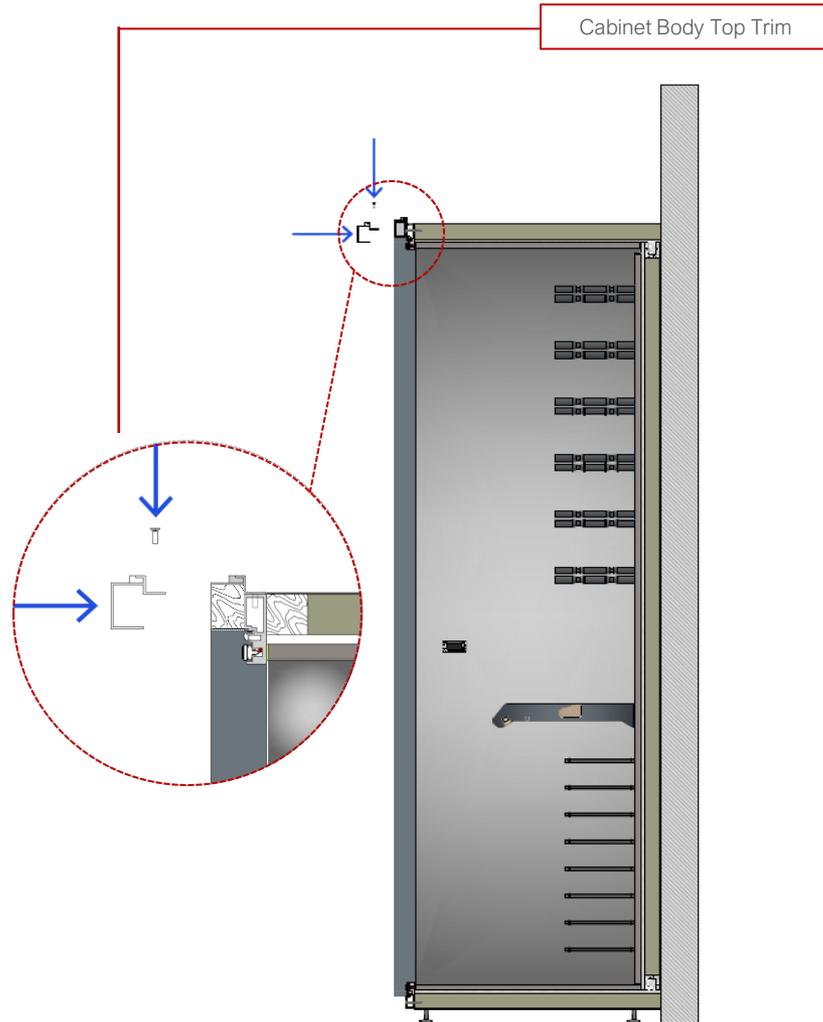


Photo 018.1



Photo 018.2



Photo 018.3



Photo 018.4

### INSTALLATION STEP #019

#### Installation of the Left, Middle and Right Door

Adjust the loose part of the door hinges to a 90-degree position as shown in the drawing.

Lift the Left Door, attaching suction cups to the door glass, and position it on support blocks at a 90-degree angle to the enclosure.

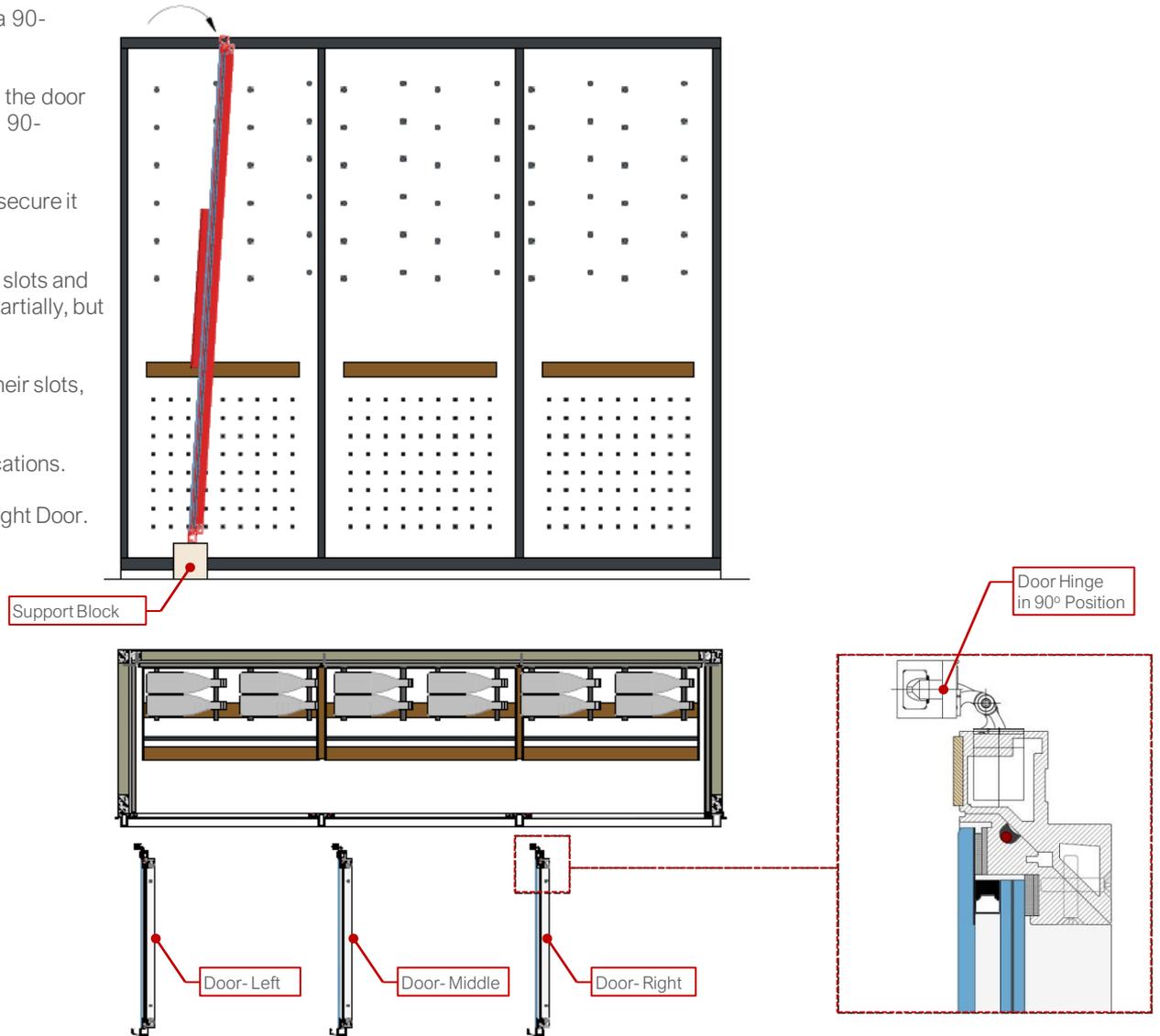
Insert the lowermost hinge into its slot and secure it by screwing it in partially, but not fully.

Then, insert the rest of the hinges into their slots and secure all the hinges by screwing them in partially, but not fully.

Once all hinges are partially screwed into their slots, tighten them fully.

Place the hinge covers in their assigned locations.

Repeat this step for the Middle Door and Right Door.



### INSTALLATION STEP #019 (continued) Installation of the Left, Middle and Right Door



Photo 019.1



Photo 019.2



Photo 019.3

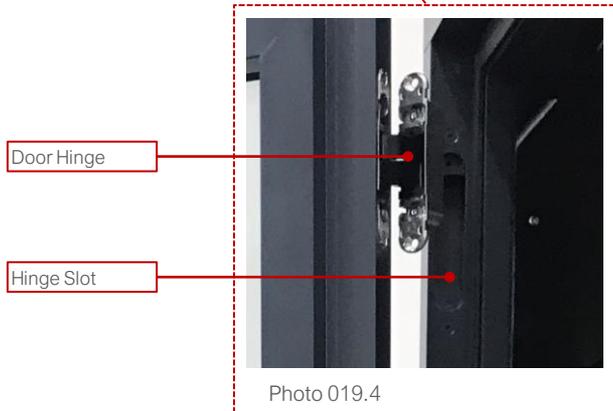


Photo 019.4

**INSTALLATION STEP #020**

## Cable Connection of the Left, Middle and Right Door

Remove the portion of the cable transition hardware from the door.

Thread the cable emerging from the other part of the cable transition on the Cabinet Body Frame through the opening in the uninstalled portion of the cable transition.

Connect the cable sockets on both components of the cable transition.

Insert the cable into the socket of the door's section of the cable transition.

Reattach and secure the door's cable transition hardware with screws.



Photo 020.1



Photo 020.2

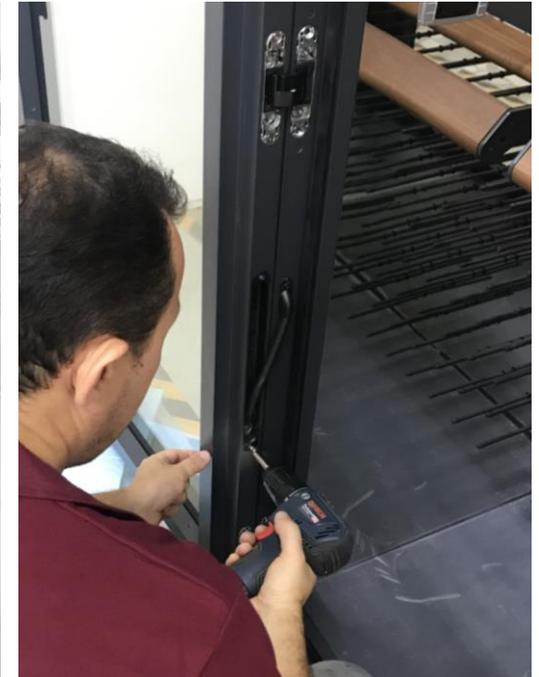
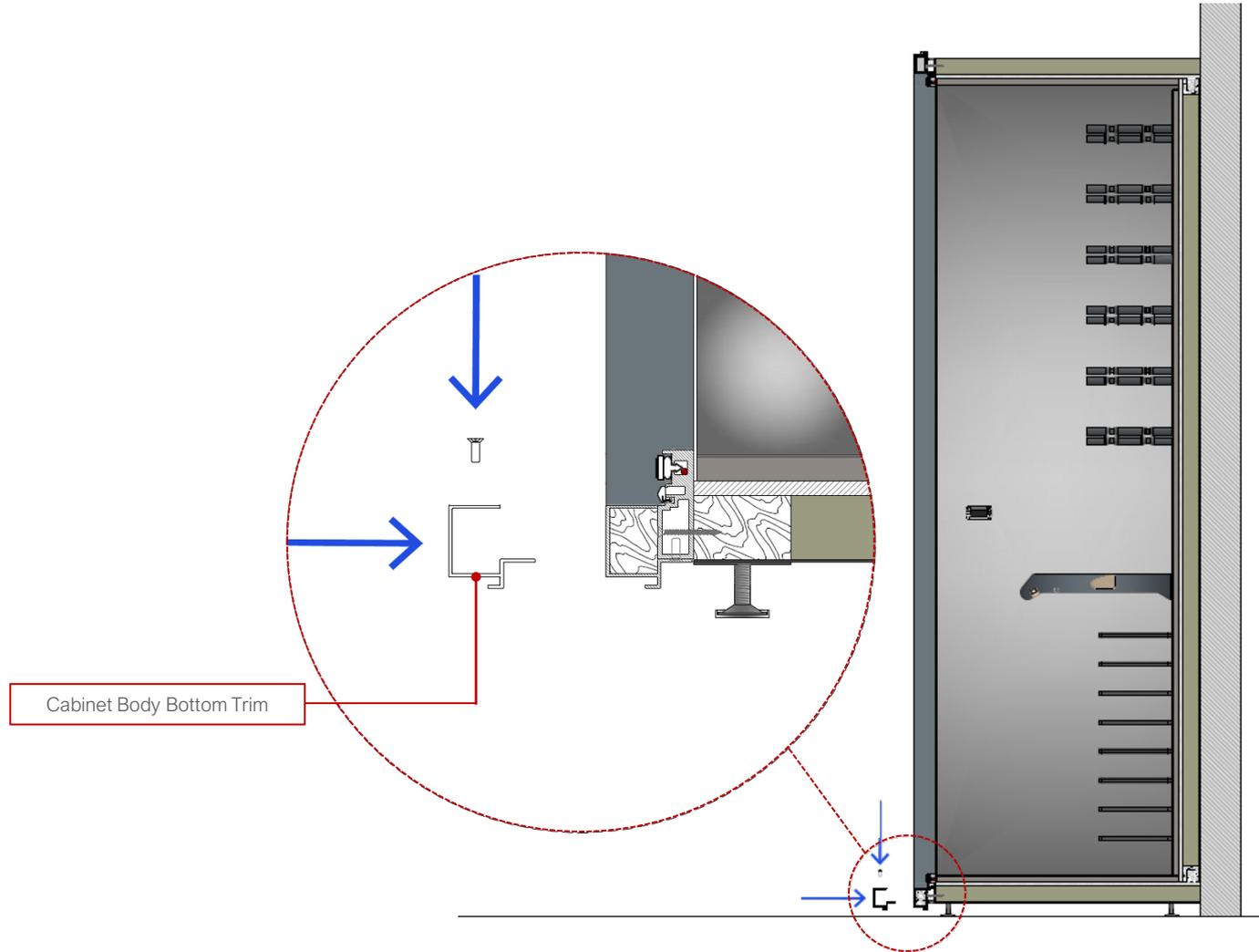


Photo 020.3

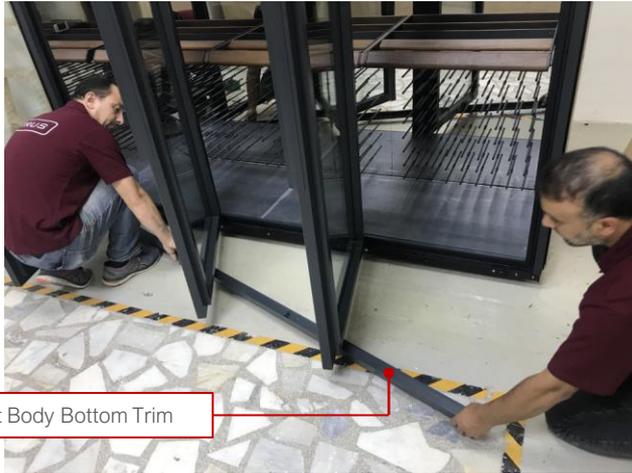
## INSTALLATION STEP #021

### Installation of the Cabinet Body Bottom Trim

Install the Cabinet Body Bottom Trim and securely screw it using the designated screw holes located on the top and both sides of the part.



### INSTALLATION STEP #021 (continued) Installation of the Cabinet Body Bottom Trim



Cabinet Body Bottom Trim

Photo 021.1



Photo 021.2



Photo 021.3



Photo 021.4

### INSTALLATION STEP #022

#### Assembling the Upper Compartment

Assembly of the Upper Compartment is to be carried out separately, following the step-by-step instructions depicted in the provided photos and using the fittings and screws provided.



Photo 022.1



Photo 022.2



Photo 022.3



Photo 022.4



Photo 022.5



Photo 022.6



Photo 022.7

### INSTALLATION STEP #022 (continued) Assembling the Upper Compartment



Photo 022.8



Photo 022.9



Photo 022.10



Photo 022.11



Photo 022.12

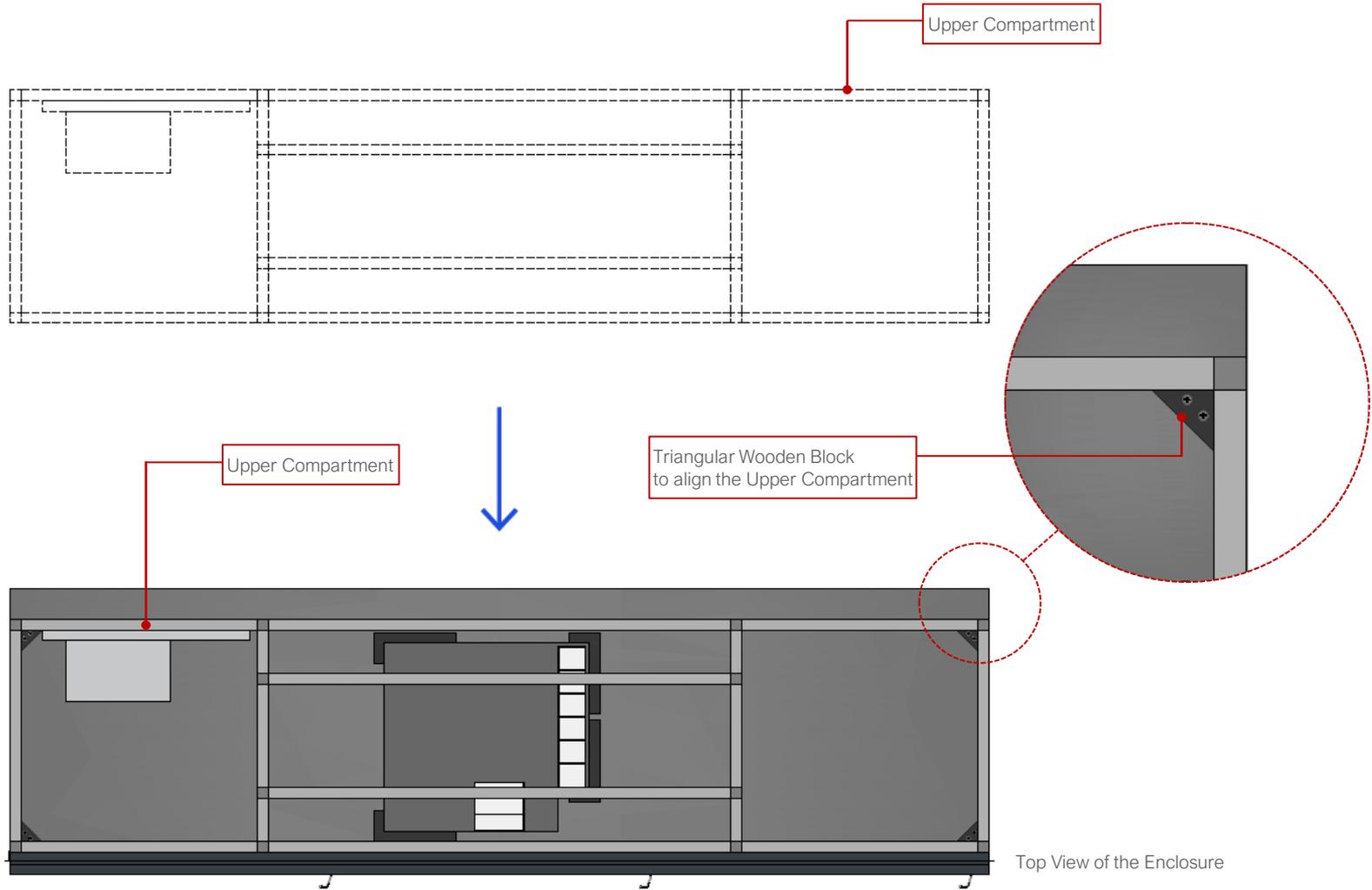


Photo 022.13

### INSTALLATION STEP #023

#### Installation of the Upper Compartment

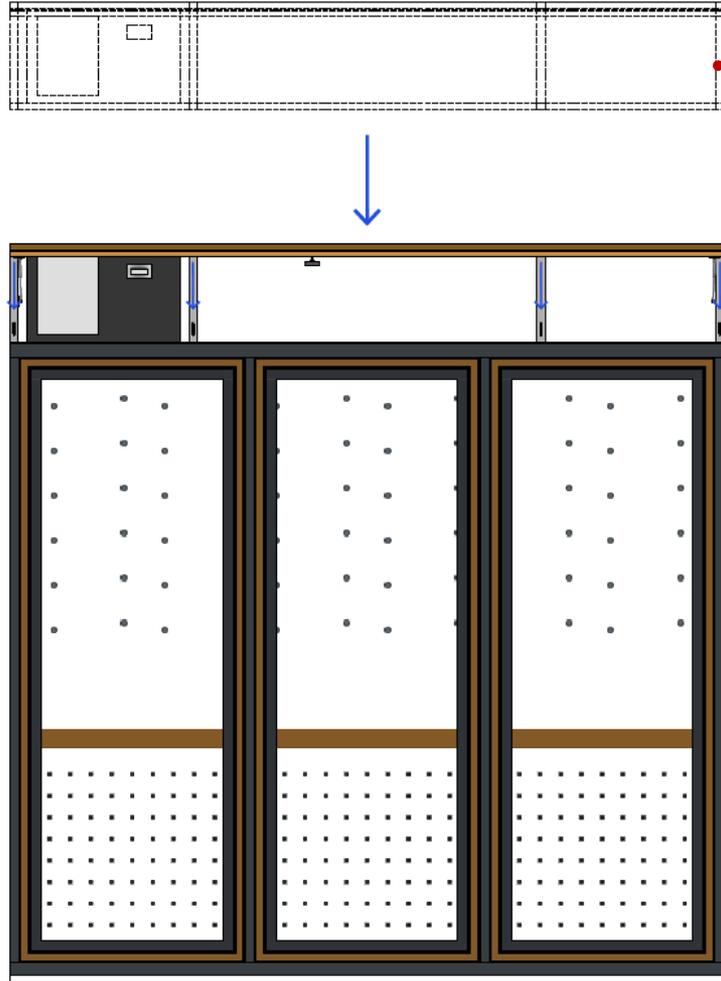
Place the Upper Compartment into its location by carefully aligning it with the triangular wooden blocks affixed to the top of the enclosure.



Top View of the Enclosure

### INSTALLATION STEP #023 (continued) Installation of the Upper Compartment

Place the Upper Compartment into its location by carefully aligning it with the triangular wooden blocks affixed to the top of the enclosure.  
Subsequently, securely screw the Upper Compartment using the designated screw holes.



Upper Compartment



Photo 023.01



Photo 023.02

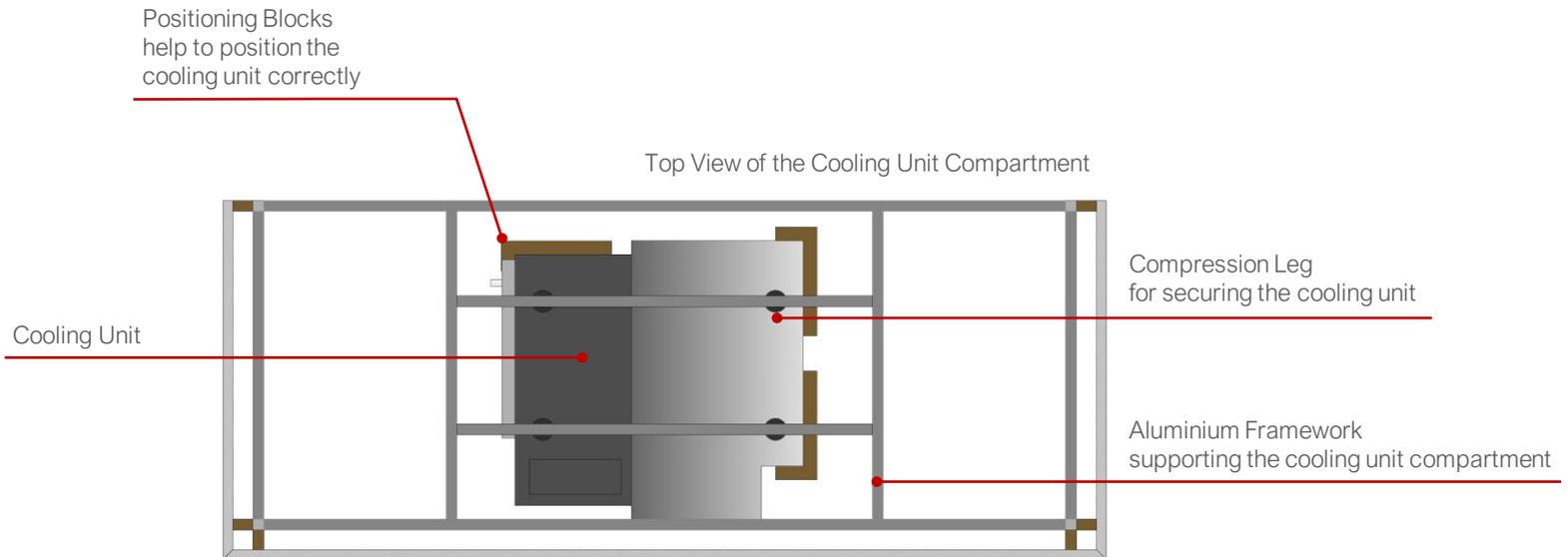
### INSTALLATION STEP #024

#### Installation of the Cooling Unit

Place the Cooling Unit into its location by carefully aligning it using the positioning blocks affixed to the top of the enclosure. Once placed in its location, tighten the compression legs for securing the cooling unit. Establish the necessary cable connections of the cooling unit. Installation method may differ depending on the cooling unit chosen.



Photo 024.01



The aluminium framework, compression legs and positioning blocks are designed and manufactured according to the chosen cooling unit.

### INSTALLATION STEP #024 (continued)

#### Installation of the Cooling Unit

Recommended Insulation  
(for some of the cooling units)

The cooling unit compartment is not insulated. Therefore, cooling units lacking sufficient insulation to function in ambient conditions should be wrapped with additional insulation.

Aluminium Framework  
supporting the cooling unit compartment

Compression Leg  
for securing the cooling unit

Openable Access Panel

Gas Spring

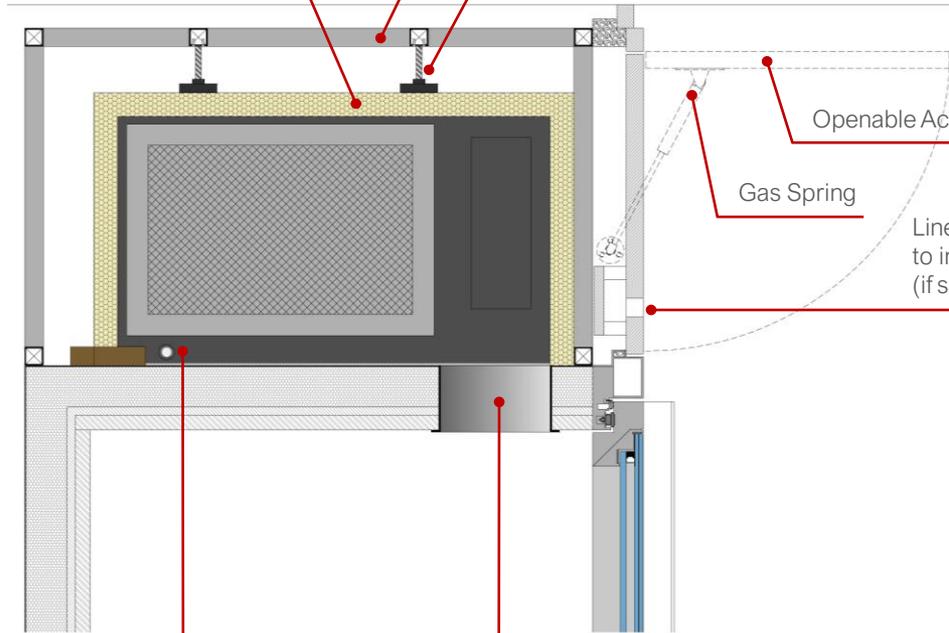
Linear Slot  
to intake air from the ambient  
(if self-contained cooling unit)

Condensate Drain (if any)

A condensate drain is not required if the cooling unit includes a heating element (i.e. condensate removal coil) that evaporates the condensate. However, if the unit does not have this feature, it should be connected to a drain line.

Cold Side Air In/Outlet

The openings on the ceiling panel are made according to the supply air outlet and return air inlet of the chosen cooling unit.



### INSTALLATION STEP #025

#### Installation of Filler-Left, Filler-Right, Filler-Top and Toe Kick

Attach the fillers on the enclosure's sides and top, as well as the toe kick at the bottom, using tongue-and-groove joints. Prior to installation, apply a small amount of silicone adhesive to the grooves of the joints.

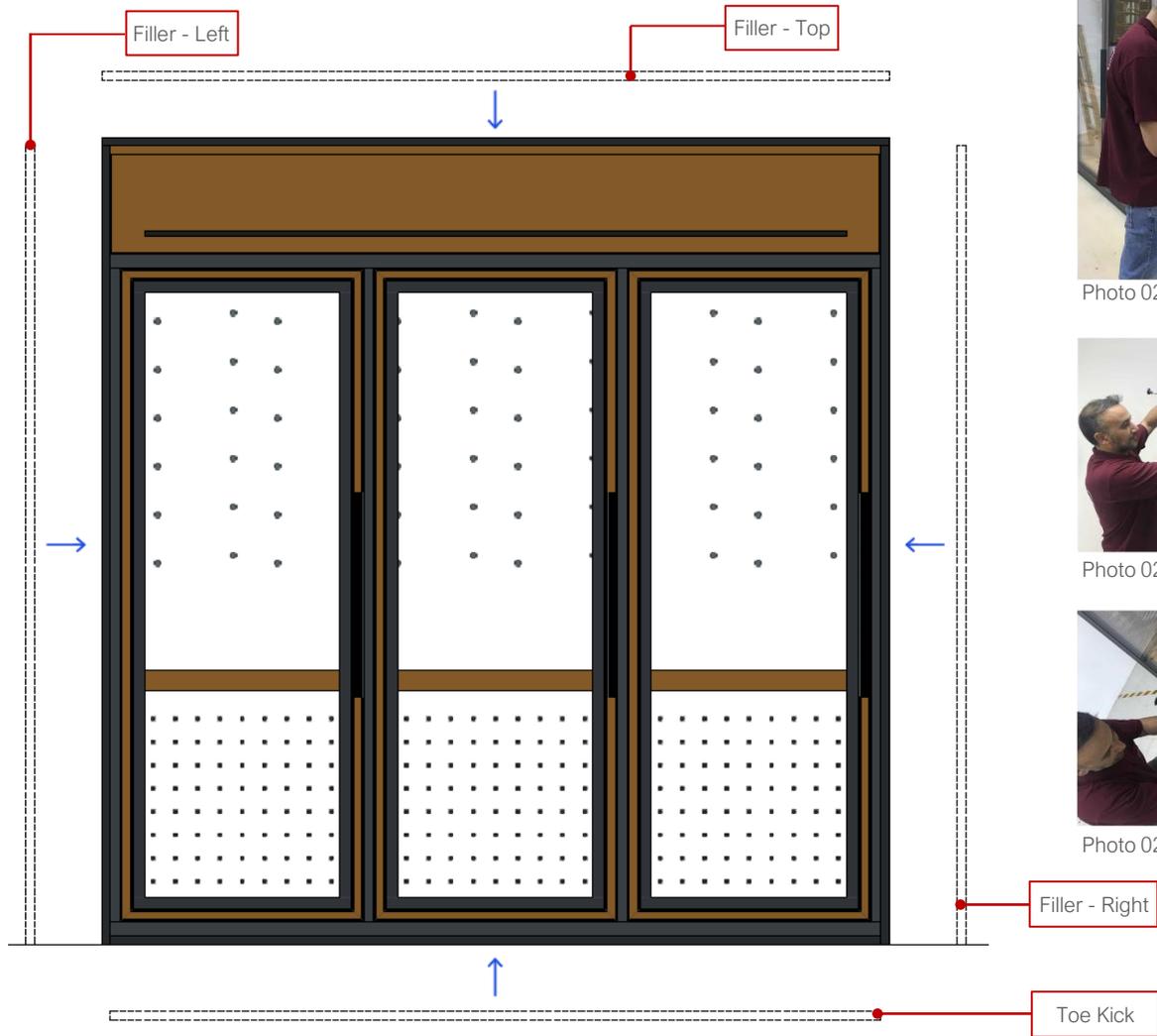


Photo 025.1



Photo 025.2



Photo 025.3



Photo 025.4



Photo 025.5



Photo 025.6

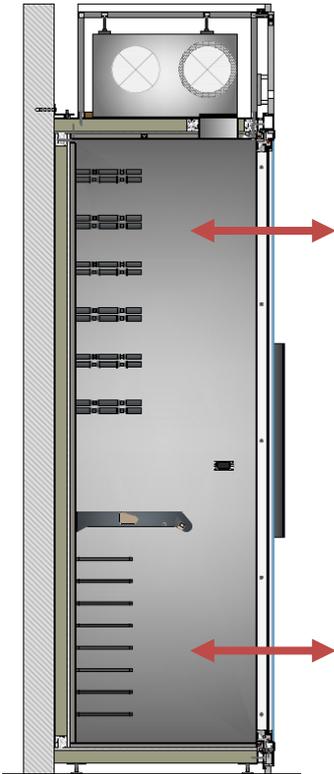
**INSTALLATION STEP #026**

## Air-Tightness Test

After completing all installation steps, before operating the enclosure, check the cabinet door's air-tightness with the following steps:

- Open the cabinet door and place a piece of paper between the cabinet door and the door gasket on the cabinet body.
- Close the cabinet door and gently pull the paper.
- If the paper offers resistance and is difficult to remove, it indicates proper sealing of the cabinet door.
- If the paper is easily removable or feels loose, adjust the door hinges as outlined in the subsequent instructions.
- Perform this paper test on all four sides of the cabinet door to ensure a comprehensive evaluation.

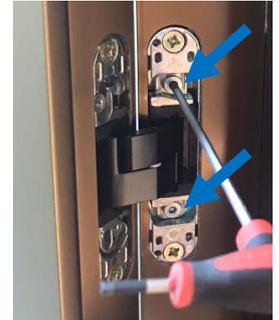
Follow these steps to move the door leaf in the direction of the **RED** arrows and adjust the pressure it applies on the door gaskets, and thus, the air-tightness, when the door is closed.



2a. If the adjustment plate of the hinge is slid inward by means of a screwdriver, the door moves toward the cabinet body, increasing the pressure on the door gaskets.



1. Use an allen key to loosen the two screws (indicated in the photos) on the cabinet body portion of each door hinge.



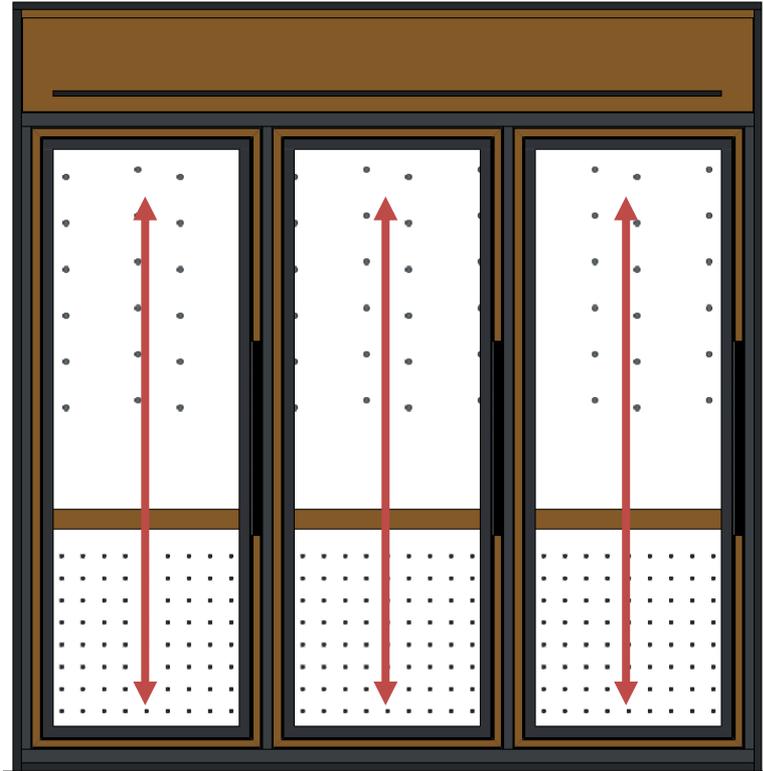
3. Tighten the loosened screws. Repeat this process for the other hinges.

**INSTALLATION STEP #027.1**

## Door Adjustment (Vertical)

If there is an uneven horizontal gap between the door and the cabinet body at the top and bottom, adjust the door hinges as instructed.

Follow these steps to move the door leaf in the direction of the **RED** arrows to adjust the gap between the door and cabinet body at the top and bottom, when the door is closed.



1. Use an allen key to loosen the two screws (indicated in the photos) on the door portion of each door hinge.



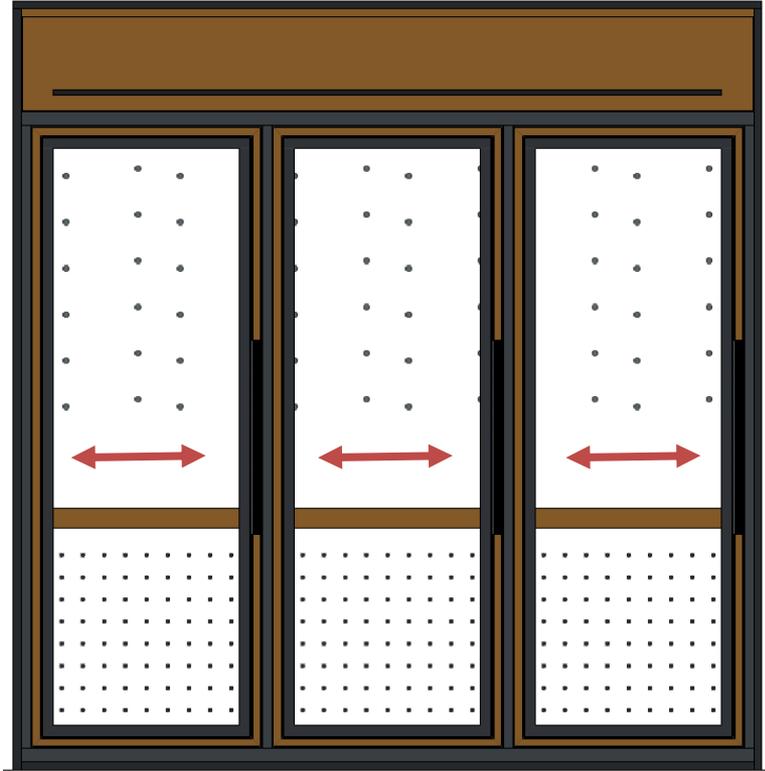
2. If the adjustment plate of the hinge is slid upward with a screwdriver, the door moves upward. Likewise, the door moves downward if the adjustment plate is slid downward.



3. Tighten the loosened screws. Repeat this process for the other hinges.

**INSTALLATION STEP #027.2**  
Door Adjustment (Horizontal)

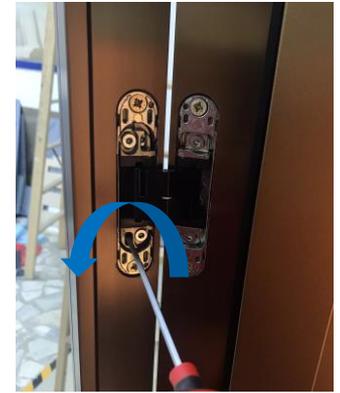
If there is an uneven vertical gap between the door and the cabinet body on the sides of the door, adjust the door hinges as instructed.



Rotating the indicated screws clockwise with a screwdriver will cause the door to move horizontally toward the hinge side.



Conversely, turning the screws counterclockwise will move the door horizontally in the opposite direction.



## ASSEMBLED VITRUS ENCLOSURE on which this installation guide is based

