



# Nova

Indoor Traditional Sauna

6-Person



## ASSEMBLY GUIDE

VERSION 1.2 • SEPTEMBER 2026

This guide covers uncrating, assembly, electrical requirements, heater installation by a licensed electrician, and installation verification for the Nova 6. For operating instructions, stone care, löyly (the steam from water ladled onto the stones), and warranty information, please see the Nova Owner's Manual.

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# Before You Begin

Congratulations on your new Sun Home Nova 6. Assembly is straightforward when the steps are followed in order: the wall panels lock together with concealed buckle connectors, the benches and ceiling fasten with screws, and no woodworking is required. The heater, control box, control panel, and the 240 V circuit are installed and connected by a licensed electrician at Steps 13 to 16 and tested at Step 18. Please read this entire guide once before starting, then complete the steps in sequence. Each component must be in place before the next can be installed correctly.

## At a Glance

| REQUIREMENT                 | WHAT YOU NEED                                                                                                                                                                                                            |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>People</b>               | Two people minimum for every panel step, and one of them on a ladder for the Ceiling Panel and the Dust Cover.                                                                                                           |
| <b>Time</b>                 | About 2 hours for two people, plus the electrician's time for the heater and control wiring. These figures are estimates; your time will vary with the site and your experience.                                         |
| <b>Skills</b>               | No special skills are required for the cabin. The dedicated 240 V circuit, the HUUM DROP 7.5 kW heater, the HUUM control box, and the control panel must be installed by a licensed electrician (Steps 13 to 16 and 18). |
| <b>Required tools</b>       | Hammer and crowbar or pry bar (uncrating only), rubber mallet, power drill with a Phillips bit or a Phillips screwdriver, level, and a ladder or step stool.                                                             |
| <b>Recommended tools</b>    | Lifting straps (strongly recommended for moving panels) and a utility knife.                                                                                                                                             |
| <b>Protective equipment</b> | Work gloves are required for uncrating and for handling panels (utility staples and sharp crate edges) and for laying sauna stones. Safety glasses are recommended while prying the crate open.                          |
| <b>Space</b>                | Clear floor space at the installation site, room to stage panels nearby, and a wall to lean staged panels against.                                                                                                       |

## Plan Your Delivery Day

- The sauna ships in one crate. The crate measures 82.9 in W × 26.0 in D × 91.7 in H (2105 × 660 × 2330 mm) and weighs 997 lb (452 kg) gross. Confirm where the crate will be placed at delivery and whether it fits through your garage or exterior door.
- Panels travel from the uncrating spot to the installation room individually. No panel is wider than 78.7 in or taller than 82.7 in. Confirm a panel of that size will fit through every doorway, hallway, and stairwell along the route before you open the crate.
- The heater and its controls arrive as a separate HUUM shipment: HUUM DROP 7.5 kW heater (HUUM model DROP 7), HUUM UKU Wi-Fi control system (control box, control panel, and temperature sensor), HUUM Stones 24 sauna stones, HUUM drip tray, and HUUM Rail D safety rail. Do not schedule the electrician until both the crate and the HUUM shipment have arrived.
- If the sauna cannot be assembled immediately, keep the crate indoors or fully covered. Moisture exposure can damage the panels and electrical components.

# Safety Warnings

Read every message in this section before you begin. The same warnings repeat at the step where each hazard occurs.

## **DANGER • ELECTRIC SHOCK**

The Nova 6 is hardwired to a dedicated 240 V circuit and can cause fatal electric shock. **Only a licensed electrician may connect the heater, the control box, or the circuit, and the circuit stays switched off at the breaker until the Function Test at Step 18.** Confirm the breaker is off and the circuit is not yet connected before you make any connection at Steps 9, 11, and 13 to 15, and switch the breaker off before any work after the Function Test.

## **WARNING • FIRE**

An improper electrical installation can start a fire. The dedicated 40 A circuit, the wiring, and the heater connection must be installed by a licensed electrician in compliance with local codes and the HUUM installation manual. Never modify the heater, its cable, or the control box.

## **WARNING • HEAVY PANELS**

Panels are heavy and awkward, and a dropped or falling panel can cause serious injury. Lift with two or more people at every step marked TEAM BUILD, and never leave a panel standing unsupported.

## **WARNING • GLASS**

The Front Panel (D) and its door are glass. Striking glass or setting the panel down on its glass face can shatter it and cause cuts. Support the Front Panel with both hands, never strike glass, and set the panel down on its wooden edges only.

## **WARNING • CHILDREN AND PETS**

Unsecured panels can tip and cause serious injury. Keep children and pets away from the work area until assembly is complete.

## **WARNING • BURN AND FIRE HAZARD**

The heater and its stones reach several hundred degrees during use and can ignite combustible materials. The cabin is built to the HUUM safety distances for this heater listed in Section 03; never mount the heater anywhere except its designated mounting point on the Right Panel (C), and always fit the HUUM Rail D safety rail. Never place anything on or over the heater, never dry towels or clothing on the heater or its rail, and never leave towels or clothing resting against it.

**⚠ CAUTION • SHARP EDGES AND PINCH POINTS**

Utility staples around the crate, the concealed buckle connectors, and the seams between panels can cut or pinch hands. Wear work gloves when handling the crate, the panels, and the sauna stones, and keep fingers clear of the seam when a panel slides down onto its buckles.

**NOTICE • PANEL DAMAGE**

A metal hammer will dent or split the panel surface, so use only a rubber mallet to seat panels. The Right Panel (C) carries the passive air intake and the heater mounting point, the Left Panel (A) carries the exhaust fan, the Front Panel (D) carries the heater control panel on its left side, and the Back Panel (B) carries the fan and lighting controller: never rest any of them face down.

## Installation Environment

- Indoor use only. Install in a dry, temperature-controlled room with adequate ventilation and a floor that can accommodate moisture. Do not expose the sauna to rain, snow, or standing water, and avoid narrow, humid, or unventilated spaces.
- Surface: the sauna must sit on a dry, flat, level, and stable surface. Check the floor with a level before assembly begins.
- Floor load: the assembled sauna weighs 926 lb (420 kg). The floor must support about 2,130 lb with six occupants over the 78.7 in × 68.9 in footprint, which is about 57 lb per square foot. Most residential floors carry this load; confirm with a contractor for upper floors, raised decks, or manufactured homes.
- Moisture: the exhaust fan on the Left Panel (A) blows warm, moist air out of the cabin during use. Give the fan side the clearance in Section 03, and install the sauna where that moisture can dissipate.
- Clearances: see the Clearance Requirements table and Figure 1 in Section 03, including the 24 in required above the sauna, the 12 in required on the right side for the air intake, and the 24 in required on the left side next to drywall.

# Specifications and Requirements

## Nova 6 Specifications

| SPECIFICATION              | NOVA 6                                                                                                                                                                                                                                           |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>               | Nova 6 (Sun Home Nova™ 6-Person Indoor Traditional Sauna)                                                                                                                                                                                        |
| <b>Capacity</b>            | 6 persons                                                                                                                                                                                                                                        |
| <b>Exterior Dimensions</b> | 78.7 in W × 68.9 in D × 82.7 in H                                                                                                                                                                                                                |
| <b>Interior Dimensions</b> | 73.2 in W × 66.9 in D × 77.1 in H                                                                                                                                                                                                                |
| <b>Assembled Weight</b>    | 926 lb (420 kg)                                                                                                                                                                                                                                  |
| <b>Crate Dimensions</b>    | 82.9 in W × 26.0 in D × 91.7 in H (2105 × 660 × 2330 mm)                                                                                                                                                                                         |
| <b>Crate Gross Weight</b>  | 997 lb (452 kg) gross                                                                                                                                                                                                                            |
| <b>Number of Crates</b>    | 1                                                                                                                                                                                                                                                |
| <b>Included Items</b>      | Cabin kit as listed in Section 04 (Components; Hardware and Extras). The HUUM heater, control system, and stones ship separately.                                                                                                                |
| <b>Wood</b>                | Canadian Cedar                                                                                                                                                                                                                                   |
| <b>Exterior Finish</b>     | Premium low-VOC (low-emission) black finish                                                                                                                                                                                                      |
| <b>Glass</b>               | Thermal-optimized black privacy glass door and front glazing                                                                                                                                                                                     |
| <b>Interior Wall</b>       | Carbonized hexagonal tile wall on the Back Panel (B)                                                                                                                                                                                             |
| <b>Heater</b>              | 1 × HUUM DROP 7.5 kW electric sauna heater, mounted on the Right Panel (C), with HUUM Rail D safety rail and drip tray; HUUM small sauna stones, 2 to 4 in (5 to 10 cm), from the HUUM shipment; the heater holds about 121 lb (55 kg) of stones |
| <b>Control System</b>      | HUUM UKU Wi-Fi: control box on the Ceiling Panel and heater control panel on the left side of the Front Panel (D); fan and lighting controller on the Back Panel (B)                                                                             |
| <b>Voltage</b>             | 240 V                                                                                                                                                                                                                                            |
| <b>Heater Output</b>       | 7.5 kW                                                                                                                                                                                                                                           |
| <b>Heater Load Current</b> | 31.25 A                                                                                                                                                                                                                                          |
| <b>Circuit</b>             | Dedicated 240 V, 40 A circuit, hardwired                                                                                                                                                                                                         |
| <b>Circuit Breaker</b>     | 40 A (HUUM Table 2)                                                                                                                                                                                                                              |
| <b>Minimum Wire Size</b>   | 8 AWG minimum (HUUM Table 2)                                                                                                                                                                                                                     |
| <b>Plug and Receptacle</b> | None. The sauna is hardwired by a licensed electrician; it has no power cord and no plug.                                                                                                                                                        |
| <b>Ventilation</b>         | Built-in electric exhaust fan on the Left Panel (A) and passive air intake on the Right Panel (C), below the heater                                                                                                                              |
| <b>Lighting</b>            | Warm LED tile lighting and RGB ambient lighting with remote control                                                                                                                                                                              |

| SPECIFICATION       | NOVA 6                                                                                                                                                                 |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Temperature | 230°F maximum                                                                                                                                                          |
| Heat-up Time        | Under an hour, depending on ambient and set temperature (see the Owner's Manual)                                                                                       |
| Benches             | Dual-stack (high-heat and low-heat zones). Upper bench 18 in deep × 17 in tall; Lower bench 23.6 in deep × 17 in tall; bench length 69.2 in                            |
| Bench Heights       | Lower bench 17 in, upper bench 34 in above the Floor Panel                                                                                                             |
| Clearances          | 24 in (2 ft) minimum above the sauna for the ceiling connections and the electrician's work; 12 in right; 24 in left next to drywall; see Clearance Requirements below |
| App Control         | HUUM app via the UKU control panel; requires a 2.4 GHz Wi-Fi network (5 GHz networks are not supported)                                                                |
| Assembly Time       | About 2 hours for two people, plus the electrician's time for the heater and control wiring                                                                            |
| Support             | 844-728-6200 · info@sunhomesaunas.com · sunhomesaunas.com                                                                                                              |

## Electrical Requirements

### **WARNING • FIRE AND ELECTRIC SHOCK**

Connecting the heater to the wrong voltage, or to an undersized circuit, breaker, or wire, can overheat the wiring and cause fire, electric shock, death, or serious injury, and voids the warranty. Use only the dedicated 240 V, 40 A circuit with 8 AWG minimum wire published here and in Table 2 on page 8 of the HUUM DROP manual (Connecting the heater to the power supply), installed and verified by a licensed electrician before the sauna is energized.

### **NOTICE • ELECTRICAL REQUIREMENTS**

**The Nova 6 requires a dedicated 240 V, 40 A circuit, hardwired to the HUUM control box by a licensed electrician in compliance with local codes and the HUUM installation manual. Provide this page and the HUUM manuals to your electrician. An improper electrical installation also voids the warranty.**

Heater: HUUM DROP 7.5 kW electric sauna heater, 31.25 A at 240 V. Circuit breaker: 40 A. Minimum wire size: 8 AWG minimum (HUUM Table 2 on page 8 of the HUUM DROP manual, Connecting the heater to the power supply, DROP 7 row). Use a heat-resistant power cable that meets UL 62; the HUUM DROP manual (pages 7 and 8, Connecting the heater to the power supply) prohibits PVC-insulated cable and requires crimped cable ends. The connection steps are on page 8 of the HUUM DROP manual (Connecting the heater to the power supply) and on pages 5 to 8 of the HUUM UKU manual (Electrical connections of the heater; Installing UKU electrical control device); this guide points to them at Steps 13 to 16.

#### NOTICE • CONTROL BOX, GFCI, AND SUPPLY ENTRY

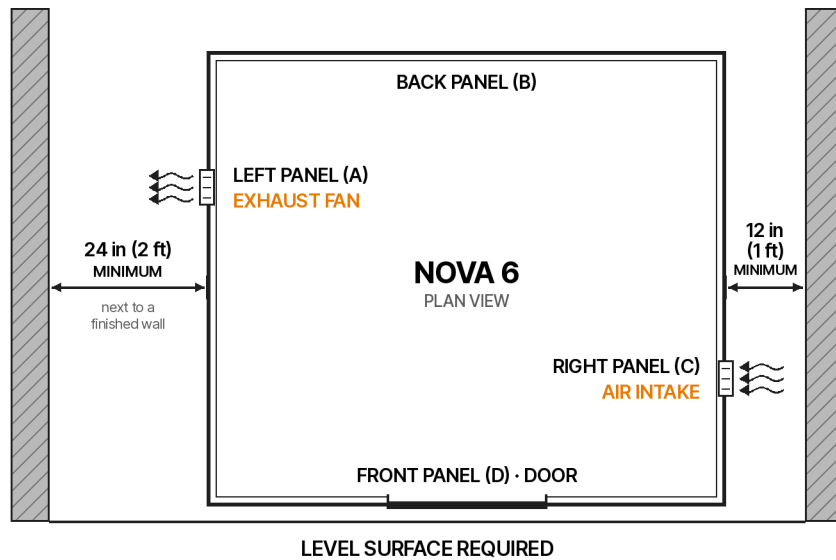
The HUUM control box on the Ceiling Panel and the two ceiling lighting power supplies are wired to the same 240 V circuit (see Step 16 and the wiring reference in Figure 18). The sauna has no plug; the circuit is the only disconnect, so its breaker must be accessible and clearly labeled.

GFCI: The HUUM DROP manual (page 7, Connecting the heater to the power supply) and the HUUM UKU manual (page 4, Before installation) recommend connecting the heater to the circuit without a GFCI breaker. Heating elements of this type can trip a GFCI device during normal operation. Your electrician follows the HUUM installation manual and local code; where local code requires ground-fault protection on this circuit, the electrician selects the device.

Supply entry: The electrician brings the dedicated 240 V supply to the HUUM control box on top of the Ceiling Panel, entering at the top of the Back Panel (B) (Step 16). The heater cable that runs through the Right Panel (C) is not the supply cable; it carries power from the control box down to the heater. Plan the supply run and the 24 in overhead clearance before assembly.

## Clearance Requirements

| LOCATION                                        | REQUIRED CLEARANCE                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Above the sauna</b>                          | 24 in (2 ft) minimum above the sauna for the ceiling connections and the electrician's work                                                                                                                                                                                                                                                                                                       |
| <b>Right side (Right Panel, C)</b>              | 12 in (1 ft) minimum on the right side, so the passive air intake can draw fresh air                                                                                                                                                                                                                                                                                                              |
| <b>Left side (Left Panel, A)</b>                | 24 in (2 ft) minimum on the left side when the sauna stands next to drywall or any finished wall, because the fan exhausts warm, moist air                                                                                                                                                                                                                                                        |
| <b>Rear (Back Panel, B)</b>                     | No gap required against a bare wall. Route the 240 V supply to the top of the Back Panel (B) before the Ceiling Panel goes on at Step 10; the electrician connects it at Step 16. Against wallpaper or any other combustible wall covering, 20 in (50 cm). In an enclosed space or alcove, keep 4 to 6 in behind the sauna; the side and overhead clearances above still apply.                   |
| <b>In front of the door</b>                     | 30 in minimum in front of the door so the glass door can swing fully open                                                                                                                                                                                                                                                                                                                         |
| <b>Heater to combustibles, inside the cabin</b> | Built in. The cabin meets the HUUM minimum distances for the DROP 7.5 kW heater (Table 1 on page 4 of the HUUM DROP manual, Positioning of the heater, DROP 7 row): sides 5 1/2 in (140 mm), front 26 3/8 in (670 mm), bench 18 11/16 in (475 mm), rear 8 9/32 in (210 mm), floor 12 7/32 in (310 mm), ceiling 47 1/4 in (1200 mm). Never add shelving, hooks, or wall coverings near the heater. |



Plan view, not to scale. Left and right are as you face the door. Allow 24 in (2 ft) above the sauna.

**Figure 1.** Plan view of the site. The exhaust fan on the Left Panel (A) needs 24 in next to a finished wall, and the passive intake on the Right Panel (C) needs 12 in. Left and right are as you face the door.

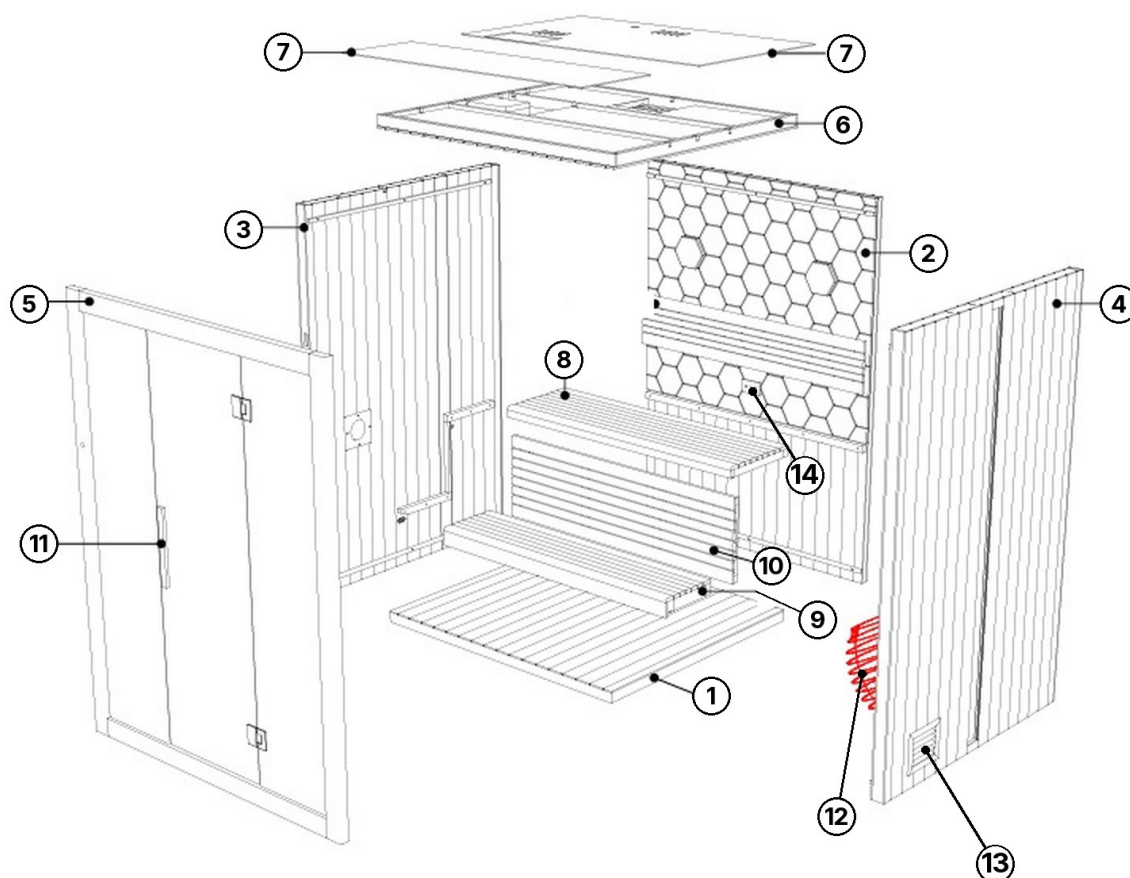
## Site Checklist

- ☐ The floor at the installation site is dry, flat, level, stable, able to accommodate moisture, and supports about 2,130 lb with six occupants over the 78.7 in × 68.9 in footprint, which is about 57 lb per square foot.
- ☐ The room is indoors, ventilated, and temperature controlled.
- ☐ A licensed electrician is scheduled for Steps 13 to 16 and the Function Test at Step 18, and the dedicated 240 V, 40 A circuit is run to the top of the Back Panel (B) position, where it will run to the HUUM control box on the Ceiling Panel, with its breaker off.
- ☐ The clearances in the table above and in Figure 1 are available: 24 in above, 12 in on the right, 24 in on the left next to drywall, 30 in of door swing, and 20 in (50 cm) from wallpaper or any other combustible wall covering.
- ☐ Every doorway and stairwell on the route from crate to site clears a panel 78.7 in wide and 82.7 in tall.
- ☐ A 2.4 GHz Wi-Fi network reaches the installation site if you plan to use the HUUM app. The sauna operates fully from the control panel without the app.

# What's in the Crate

Unpack carefully and check every item against the lists below before you begin. The hardware ships in a labeled bag. Keep it together until each piece is called for by name in the steps, and check each fastener against the actual size drawing in Figure 3 before you start a step. Reference numbers match the construction diagram in Figure 2, and panel letters appear in parentheses. The packing list in the crate uses different names for some parts; this guide uses the Sun Home names below throughout.

## Construction Diagram



- |                   |                         |                                   |
|-------------------|-------------------------|-----------------------------------|
| 1 Floor Panel     | 6 Ceiling Panel         | 11 Door Handle Set                |
| 2 Back Panel (B)  | 7 Dust Cover (2 panels) | 12 HUUM heater (ships separately) |
| 3 Left Panel (A)  | 8 Upper Bench           | 13 Passive air intake             |
| 4 Right Panel (C) | 9 Lower Bench           | 14 Fan and lighting controller    |
| 5 Front Panel (D) | 10 Bench Front Panel    |                                   |

**Figure 2.** Exploded construction diagram. Reference numbers match the Components table: 1 Floor Panel, 2 Back Panel (B), 3 Left Panel (A), 4 Right Panel (C), 5 Front Panel (D), 6 Ceiling Panel, 7 Dust Cover, 8 Upper Bench, 9 Lower Bench, 10 Bench Front Panel, 11 Door Handle Set, 12 HUUM heater (separate shipment), 13 passive air intake, 14 fan and lighting controller. The HUUM control box, control panel, and temperature sensor are shown in Figure 16 and Figure 17.

## Components

| REF | COMPONENT                                                                                                                                                                                                                                                                                                                                      | QTY   |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 1   | Floor Panel, with the FRONT label on its front edge                                                                                                                                                                                                                                                                                            | 1     |
| 2   | Back Panel (B), includes the carbonized hexagonal tile wall, the backrest, the ambient lighting, and the fan and lighting controller                                                                                                                                                                                                           | 1     |
| 3   | Left Panel (A), includes the exhaust fan and the exterior light strip                                                                                                                                                                                                                                                                          | 1     |
| 4   | Right Panel (C), includes the passive air intake, the heater mounting point, and the heater cable access                                                                                                                                                                                                                                       | 1     |
| 5   | Front Panel (D), includes the black privacy glass, the glass door on its hinges, and the heater control panel cable access on its left side                                                                                                                                                                                                    | 1     |
| 6   | Ceiling Panel, includes the lighting power supplies, the HUUM control box location, and the temperature sensor location                                                                                                                                                                                                                        | 1     |
| 7   | Dust Cover, shipped as 2 panels that lie side by side over the Ceiling Panel                                                                                                                                                                                                                                                                   | 2     |
| 8   | Upper Bench                                                                                                                                                                                                                                                                                                                                    | 1     |
| 9   | Lower Bench                                                                                                                                                                                                                                                                                                                                    | 1     |
| 10  | Bench Front Panel, the slatted panel that closes the front of the bench stack below the Upper Bench                                                                                                                                                                                                                                            | 1     |
| 11  | Door Handle Set (interior wooden handle and exterior stainless steel handle)                                                                                                                                                                                                                                                                   | 1     |
| 12  | HUUM shipment, delivered separately from the crate: HUUM DROP 7.5 kW heater (HUUM model DROP 7), HUUM UKU Wi-Fi control system (control box, control panel, temperature sensor, and the door sensor with its cable, which is not installed on the Nova; see Step 16), HUUM Stones 24 sauna stones, HUUM drip tray, and HUUM Rail D safety rail | 1 kit |
| 13  | Passive air intake, built into the Right Panel (C) (not a separate part)                                                                                                                                                                                                                                                                       | 1     |
| 14  | Fan and lighting controller, built into the Back Panel (B) (not a separate part)                                                                                                                                                                                                                                                               | 1     |

## Hardware and Extras

| ITEM                      | SIZE        | QTY | SPARES | USED IN              |
|---------------------------|-------------|-----|--------|----------------------|
| Door handle bolts         | 6 × 60 mm   | 2   | 0      | Step 12              |
| Handle-hole wooden plugs  | Press fit   | 3   | 1      | Step 12              |
| Bench Front Panel screws  | 3 × 30 mm   | 4   | 0      | Step 7               |
| Bench screws              | 3.5 × 50 mm | 4   | 0      | Step 8               |
| Ceiling Panel screws      | 3.5 × 50 mm | 2   | 0      | Step 10              |
| Dust Cover screws (black) | 3 × 16 mm   | 12  | 0      | Step 19              |
| M4 hex key                | M4          | 1   | 0      | Not used in assembly |

| ITEM                      | SIZE                     | QTY | SPARES | USED IN                                               |
|---------------------------|--------------------------|-----|--------|-------------------------------------------------------|
| RGB remote control        | For the ambient lighting | 1   | 0      | Step 18 (Function Test); keep with the Owner's Manual |
| Instruction manual insert | Printed sheet            | 1   | 0      | Keep with the Owner's Manual (Final Inspection)       |

#### TIP

The M4 hex key is not needed during assembly. Keep it with your tools: it fits the door hinge bolts if the door ever needs adjustment.



**Bench screw and Ceiling Panel screw, 3.5 x 50 mm**

Steps 8 and 10 (4 bench screws, 2 ceiling screws)



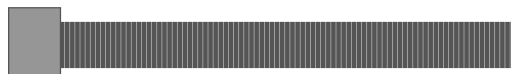
**Bench Front Panel screw, 3 x 30 mm**

Step 7



**Dust Cover screw, 3 x 16 mm, black**

Step 18



**Door handle bolt, 6 x 60 mm**

Step 12

Print this page at 100 percent and lay each fastener on its drawing to confirm the size.

Scale: 25 mm



**Figure 3.** Hardware identification at actual size when this page is printed at 100 percent. Lay each fastener on the drawing to confirm its size before you start a step.

# Site Preparation

## Prepare the Site

- Clear the installation area and the route from the crate to the site.
- Verify the site against the Site Checklist in Section 03 before uncrating, and confirm the electrician's visit for Steps 13 to 16 and 18.
- Stage your tools and the hardware bag at the installation site so both people can stay with the panels. The tools are listed in At a Glance in Section 01.

### BEFORE YOU OPEN THE CRATE

Inspect the crate for shipping damage before opening it, and inspect each component as you unpack. If any part is damaged or missing, do not assemble the sauna. Photograph the part and the crate, then contact Sun Home Saunas within 3 business days of delivery at 844-728-6200 or [info@sunhomesaunas.com](mailto:info@sunhomesaunas.com) with your order number, the part name from the Components table in Section 04, and your photos. Assembling with damaged components can void applicable claims.

## Crate Disposal

The crate consists of wood panels, cardboard, and foam. Most municipal recycling programs accept the cardboard, and the wood can be recycled or disposed of as construction debris. Set packaging aside during assembly rather than discarding it immediately, in case any component needs to be photographed or returned.

# Assembly Steps

Complete all steps in order. Do not skip ahead. Panel letters A through D match the labels used below: **A is Left (fan side), B is Back (tile wall and lighting controller), C is Right (heater side), D is Front (door and heater control panel)**. Left and right in this guide are as you face the front of the sauna, the door side. Figures are numbered in order and cited in each step.

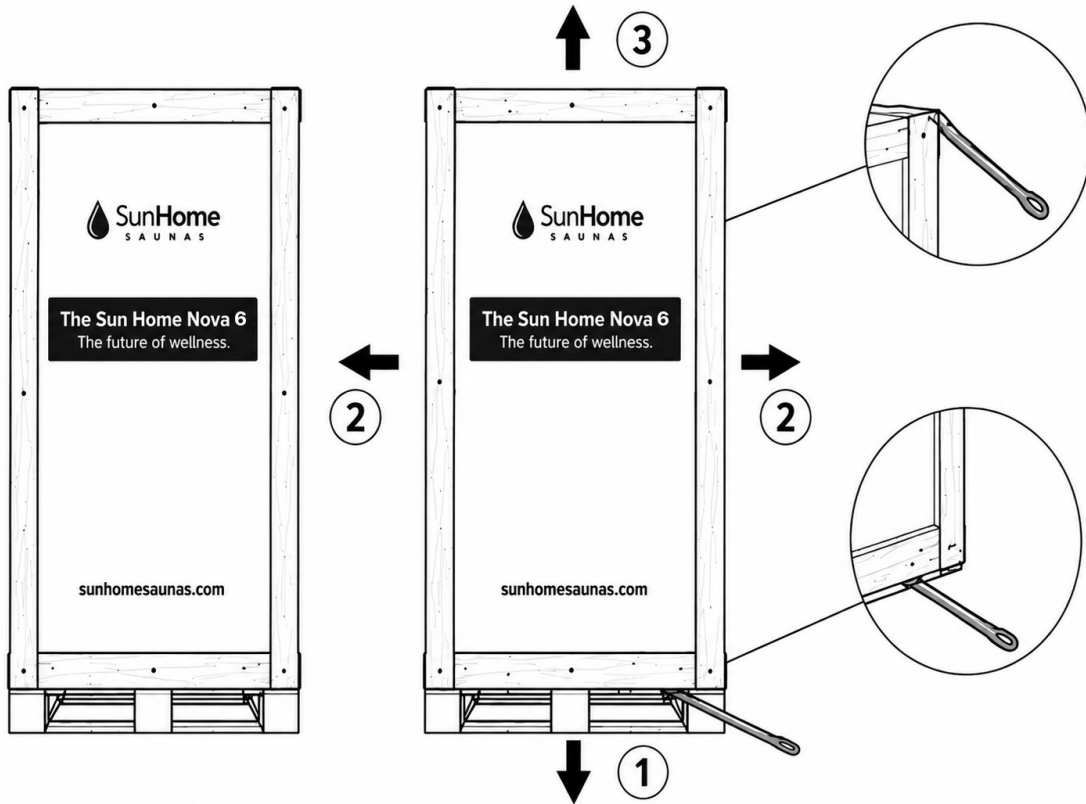
## CONNECTION METHODS

Components connect three ways: concealed buckle connectors between the wall panels (align the buckles, then slide the panel down until it locks), keyed power connectors for the lighting and fan cables, and screws or bolts for the benches, the Ceiling Panel, the Dust Cover, and the door handle. Ensure each connection is firmly seated before moving to the next step.

| PHASE                                                  | STEPS          | ESTIMATED TIME     |
|--------------------------------------------------------|----------------|--------------------|
| 1 Uncrating and inventory                              | Step 1         | About 20 minutes   |
| 2 Walls                                                | Steps 2 to 6   | About 35 minutes   |
| 3 Benches                                              | Steps 7 to 9   | About 20 minutes   |
| 4 Ceiling and door                                     | Steps 10 to 12 | About 30 minutes   |
| 5 Heater and controls (electrician), stones (customer) | Steps 13 to 18 | Electrician's time |
| 6 Finish                                               | Step 19        | About 15 minutes   |

Times are estimates for two people and add up to about 2 hours of cabin assembly, plus the electrician's time for Steps 13 to 18.

## STEP 1 • Prepare and Uncrate



**Figure 4.** Uncrating: pry the crate front open at the bottom first, then the sides, then the top.

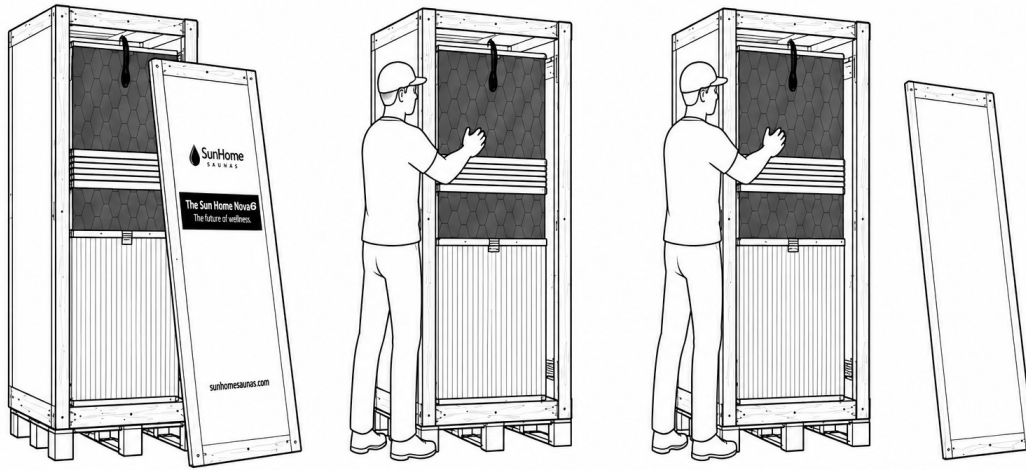
### TEAM BUILD

Two or more people are required. One person must hold the crate contents upright while the other removes the crate front.

### ⚠ CAUTION • SHARP EDGES

Utility staples and sharp edges around the crate can cut hands. Wear work gloves and safety glasses while you pry the crate open.

- Move the crate as close to the installation room as practical before opening it.
- Using the crowbar and hammer, pry the crate front open: bottom first, then sides, then top (Figure 4).



**Figure 5.** One person holds the contents upright (shown) while the other removes the crate front and sets it aside.

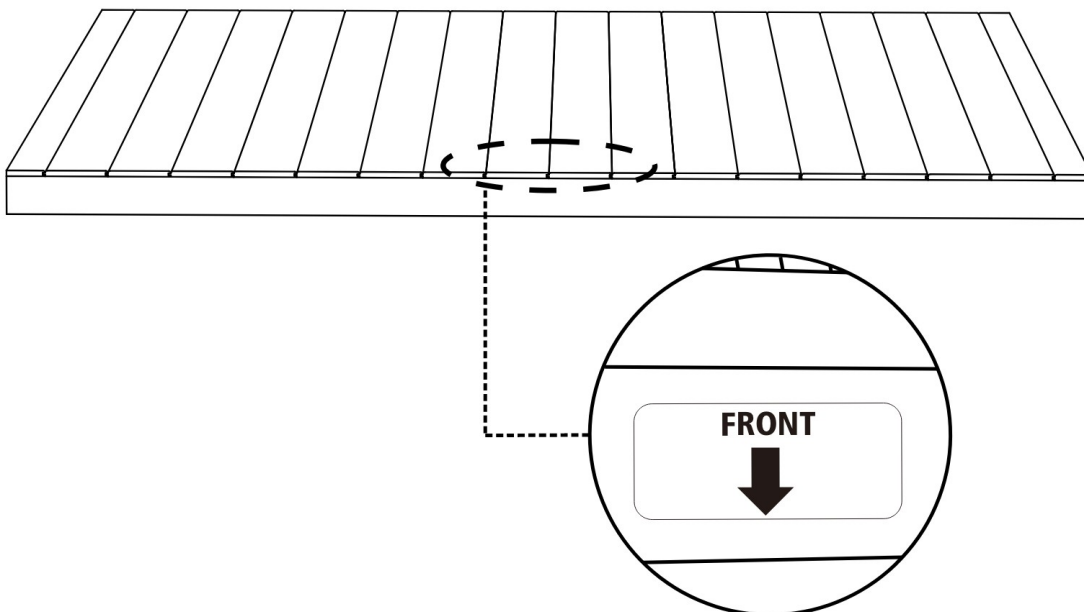
- With one person holding the contents upright, remove the crate front and set it aside (Figure 5).
- Unpack the components and check them against the inventory in Section 04.
- Stage each panel on its wooden edge, leaning against a wall at a shallow angle, never resting on glass and never freestanding.

**⚠ WARNING • TIP-OVER**

An unsupported panel can tip and cause serious injury. Lean every staged panel against a wall and never leave a panel freestanding, even for a moment.

PHASE 2 • WALLS • ABOUT 35 MINUTES

**STEP 2 • Position the Floor Panel**



**Figure 6.** Floor Panel in position. The FRONT label on the front edge faces the door clearance.

### TEAM BUILD

Two people are required. Carry the Floor Panel flat with one person at each end, and keep hands and feet clear of its edges as it goes down.



### CAUTION • PINCH POINT

The Floor Panel is large and heavy. Lowering it without support can pinch hands or feet and cause moderate bodily injury. Use two people, keep hands and feet clear of its edges, and set it down slowly on the level surface.

- Move the Floor Panel to the installation location.
- Check the surface with your level. The sauna must sit flat; shim or choose another location if the floor is not level.
- Turn the Floor Panel so the FRONT label faces the door clearance (Figure 6). The Right Panel (C) side, with the air intake, must have its 12 in clearance, and the Left Panel (A) side, with the fan, its 24 in clearance.

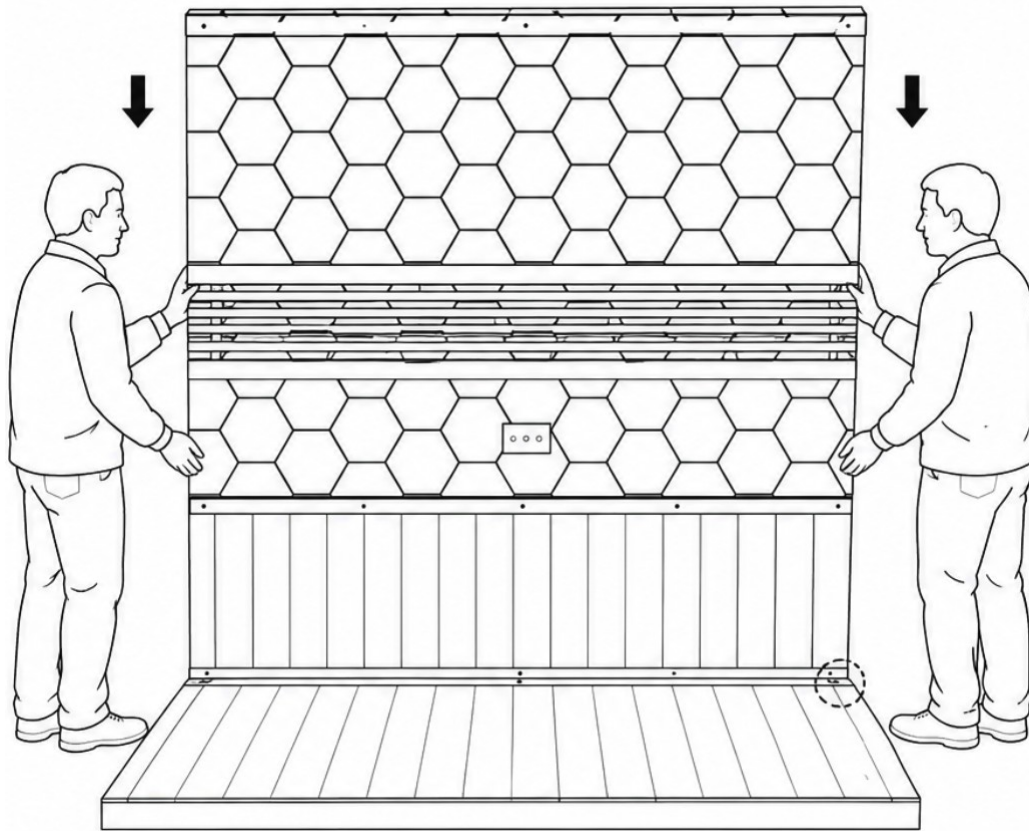
### TIP

To avoid damage to your floor, do not slide or move the sauna after it is assembled. Position the Floor Panel exactly where the sauna will live.

### CHECKPOINT

The Floor Panel is level in both directions and the FRONT label faces the door side.

### STEP 3 • Install the Back Panel (B)



**Figure 7.** Back Panel (B) lifted by two people and lowered onto the rear edge of the Floor Panel, centered left to right.

#### TEAM BUILD

Two or more people are required for this step and for every panel step through Step 6. Every wall panel is heavy and awkward to carry; use lifting straps if you have them, and carry each panel upright on its wooden edge.

- With two people lifting, raise the Back Panel (B), tile wall facing the front, and lower it onto the rear edge of the Floor Panel (Figure 7). Keep fingers clear of the bottom edge as the panel settles.
- Center the panel left to right and seat it fully against the rear edge of the Floor Panel.
- One person must hold the Back Panel firmly upright until both side panels are installed.

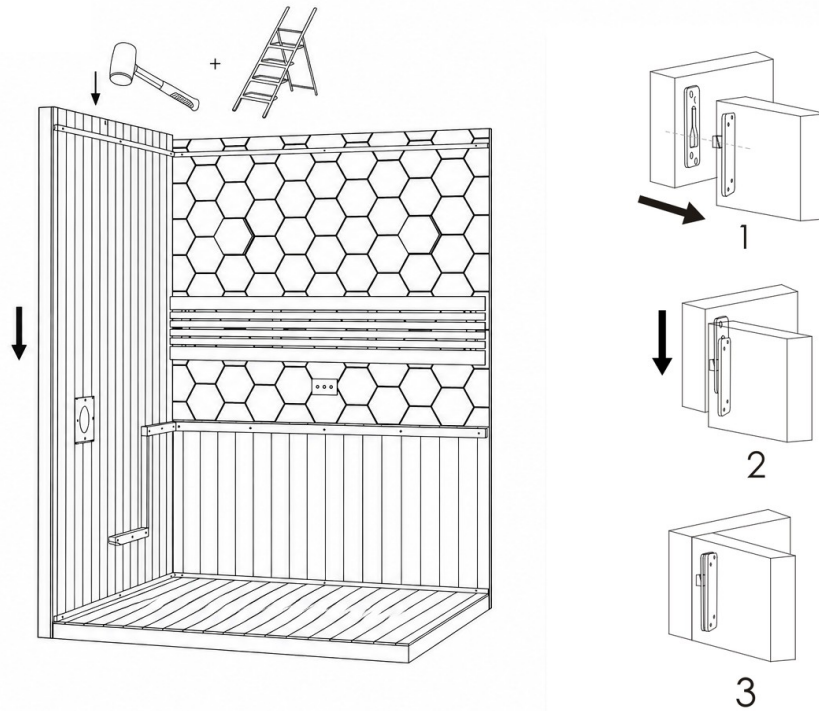
#### ⚠ WARNING • TIP-OVER

An unsupported panel can fall and cause serious injury. Do not let go of the Back Panel until the Left Panel (A) and the Right Panel (C) are locked onto it.

#### CHECKPOINT

The Back Panel is centered left to right, with equal margins at both ends, and sits fully against the rear edge of the Floor Panel with no gap.

## STEP 4 • Install the Left Panel (A)



**Figure 8.** Left Panel (A) placed against the Back Panel (B) and the Floor Panel. The concealed buckle sequence at right: 1 align the buckles, 2 slide the panel down, 3 buckle locked.

### TEAM BUILD

Two or more people are required. The Left Panel carries the exhaust fan and the exterior light strip: do not strike near the fan grille, and never rest this panel face down.

- Position the Left Panel (A) against the left edge of the Back Panel and the left edge of the Floor Panel, left as you face the front of the sauna. Align its concealed buckles with the buckles on the Back Panel (Figure 8, sequence 1).
- Slide the panel downward until the buckles engage and lock. Tap the top edge lightly with the rubber mallet if needed; firm taps are normal. Use only a rubber mallet, never a metal hammer.

### ⚠ WARNING • PANEL NOT LOCKED

If the concealed buckles do not fully lock, the Left Panel (A) is not secured and can separate or fall, causing serious injury. Verify every buckle is fully engaged and locked before you release the panel or continue assembly.

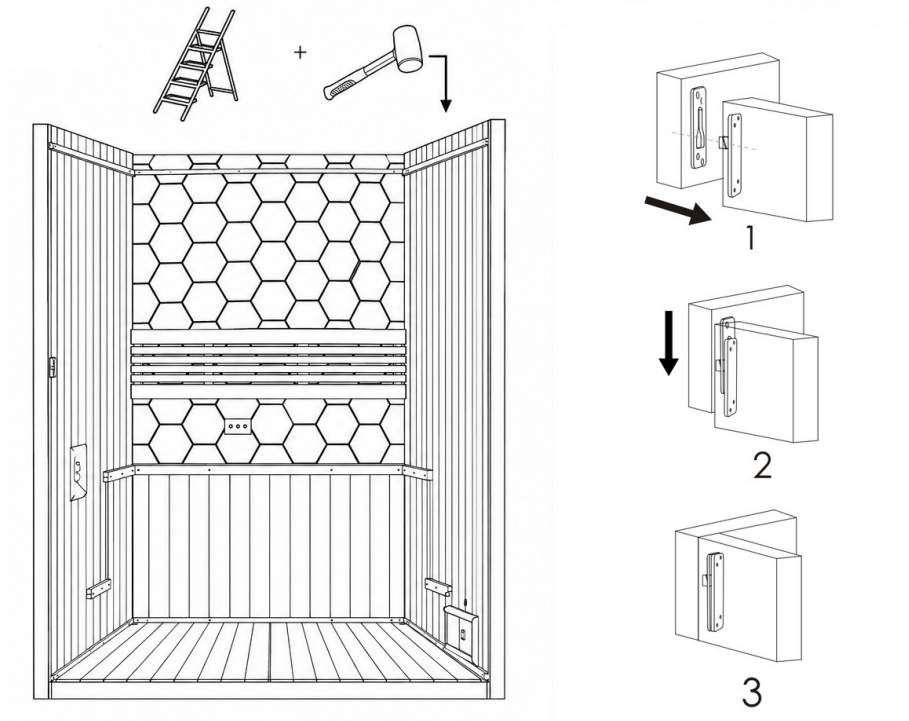
### ⚠ WARNING • PINCH POINT AND LADDER

The seam between panels can pinch fingers as the buckles lock. Working from a ladder to seat the top of the panel can cause a fall resulting in death or serious injury. Keep hands clear of the seam while the panel slides down. Use a stable ladder on the level floor with three points of contact, strike the panel only with the rubber mallet from secure footing, and keep bystanders clear.

### CHECKPOINT

The Left Panel stands vertical, the buckles are locked (the panel cannot be lifted off by hand), and no gap between panels exceeds 1/8 in. If a gap is larger, lift the panel, re-align the buckles, and slide down again.

## STEP 5 • Install the Right Panel (C)



**Figure 9.** Right Panel (C) placed against the Back Panel (B) and the Floor Panel, with the same concealed buckle sequence at right: 1 align, 2 slide down, 3 locked.

### TEAM BUILD

Two or more people are required. The Right Panel carries the passive air intake and the heater mounting point.

- Position the Right Panel (C) against the right edge of the Back Panel and the right edge of the Floor Panel, right as you face the front of the sauna. Align its concealed buckles with the buckles on the Back Panel (Figure 9).
- Slide the panel downward until the buckles engage and lock, tapping lightly with the rubber mallet if needed.

### ⚠ WARNING • PANEL NOT LOCKED

If the concealed buckles do not fully lock, the Right Panel (C) is not secured and can separate or fall, causing serious injury. Verify every buckle is fully engaged and locked before you release the panel or continue assembly.

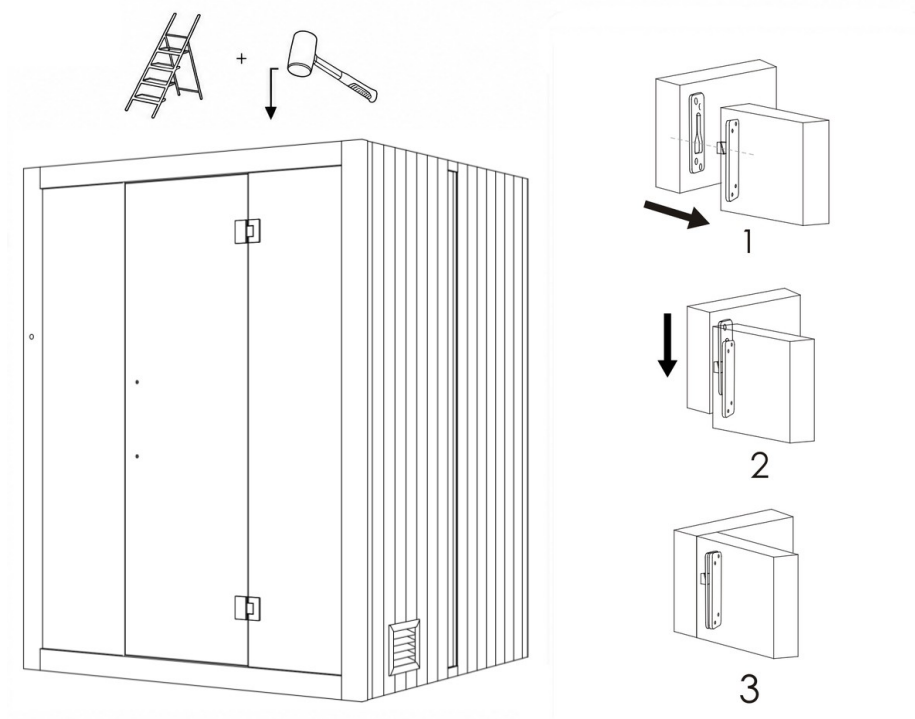
### ⚠ WARNING • PINCH POINT AND LADDER

The seam between panels can pinch fingers as the buckles lock. Working from a ladder to seat the top of the panel can cause a fall resulting in death or serious injury. Keep hands clear of the seam while the panel slides down. Use a stable ladder on the level floor with three points of contact, strike the panel only with the rubber mallet from secure footing, and keep bystanders clear.

### CHECKPOINT

Both side panels stand vertical and square to the Back Panel, gaps are under 1/8 in, and the Back Panel can now be released.

## STEP 6 • Install the Front Panel (D)



**Figure 10.** Front Panel (D) placed against the front edges of both side panels and the Floor Panel, glass door closed, with the concealed buckle sequence at right: 1 align, 2 slide down, 3 locked.

### TEAM BUILD

Two or more people are required. The Front Panel is the heaviest panel, is glass on most of its face, and carries the heater control panel cable access on its left side.



### WARNING • GLASS

The Front Panel (D) and its door are glass. A dropped or struck panel can shatter and cause cuts. Support the panel with both hands on its wooden edges, keep the door closed and latched while you move the panel, and never set the panel down on its glass face.

- Position the Front Panel (D) against the front edges of the Left Panel (A) and the Right Panel (C) and the front edge of the Floor Panel. Its finished exterior face and the glass door face outward, and its concealed buckles face the side panels. Align its concealed buckles with the buckles on both side panels (Figure 10).
- Slide the panel downward until the buckles engage and lock, tapping the wooden top rail lightly with the rubber mallet if needed. Never strike the glass.

**⚠ WARNING • PANEL NOT LOCKED**

If the concealed buckles do not fully lock, the Front Panel (D) is not secured and can separate or fall, causing serious injury. Verify every buckle is fully engaged and locked before you release the panel or continue assembly.

**⚠ WARNING • PINCH POINT AND LADDER**

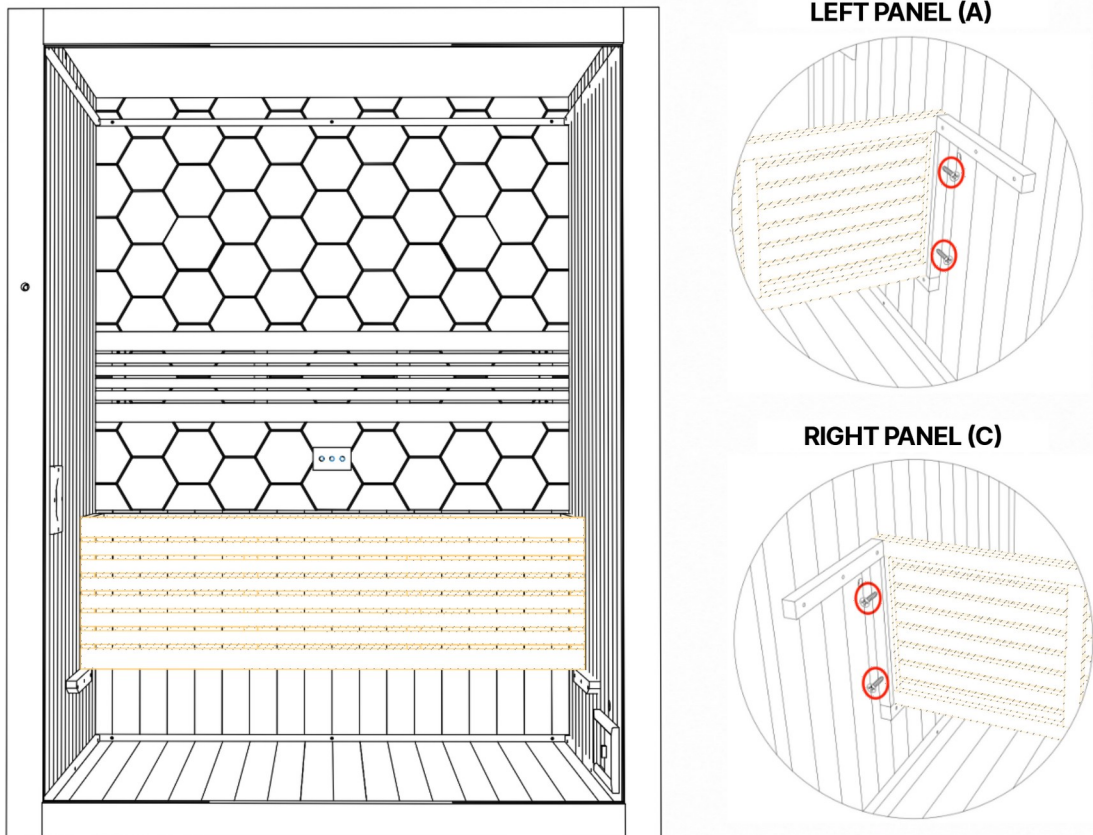
The seams between panels can pinch fingers as the buckles lock. Working from a ladder to seat the top of the panel can cause a fall resulting in death or serious injury. Keep hands clear of the seams while the panel slides down. Use a stable ladder on the level floor with three points of contact, strike the panel only with the rubber mallet from secure footing, and keep bystanders clear.

**CHECKPOINT**

All four walls are locked, seams are flush with no gap over 1/8 in, and the door opens and closes square against the frame.

PHASE 3 • BENCHES • ABOUT 20 MINUTES

**STEP 7 • Install the Bench Front Panel**



**Figure 11.** Bench Front Panel (highlighted) fastened through the brackets on the Left Panel (A) and the Right Panel (C) at the four screw points shown in the insets.

### TEAM BUILD

Two people are required. One person holds the Bench Front Panel against its brackets while the other drives the screws.

### ⚠ CAUTION • POWER DRILL

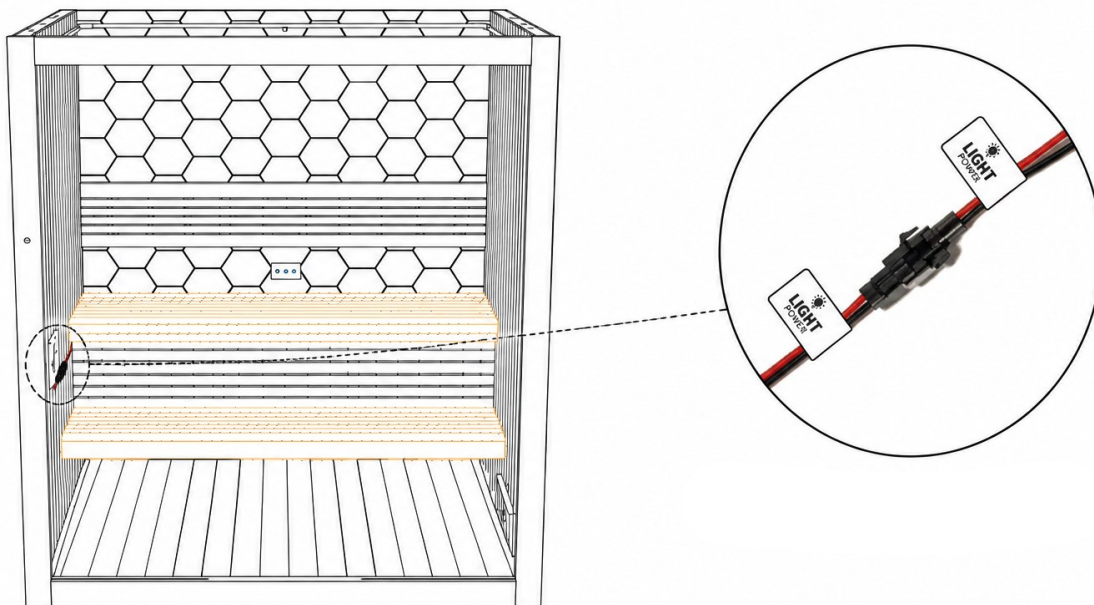
Using a power drill inside the cabin can cause a slip, pinch, or puncture injury. Keep hands clear of the bit and the screw, use the correct Phillips bit, hold the drill with both hands, and stop if the bit begins to slip.

- Position the Bench Front Panel inside the cabin between the Left Panel (A) and the Right Panel (C) at the bracket height shown in Figure 11, with its finished face toward the door.
- Using the power drill with the Phillips bit or the Phillips screwdriver, fasten the Bench Front Panel with the (4) 3 × 30 mm Bench Front Panel screws. Drive two through the bracket on the Left Panel and two through the bracket on the Right Panel (Figure 11, insets). Drive each screw until the head seats; do not over-tighten, which strips the cedar.

### CHECKPOINT

The Bench Front Panel is rigid with no flex or rattle when pressed, and all four screws are seated.

## STEP 8 • Install the Upper and Lower Benches



**Figure 12.** Upper Bench and Lower Bench (highlighted) in place. The inset shows the bench lighting connector on the Left Panel (A) side, joined at Step 9.

### TEAM BUILD

Two people are required. Each bench is long and awkward to carry through the door; lift with one person at each end and keep fingers clear of the bench supports as it settles.

- Slide the Upper Bench into place on its supports with its front edge over the Bench Front Panel. Then slide the Lower Bench into place below it, with its lighting cable at the Left Panel (A) end (Figure 12).

- Fasten the benches with the (4) 3.5 × 50 mm bench screws at the pre-drilled holes, using the power drill with the Phillips bit or the Phillips screwdriver. Drive each screw until the head seats; do not over-tighten.

#### CHECKPOINT

Both benches sit level and fully seated, with no rock or movement when pressed.

## STEP 9 • Connect the Bench Lighting Cable

This step shares Figure 12; the connector detail is repeated below.

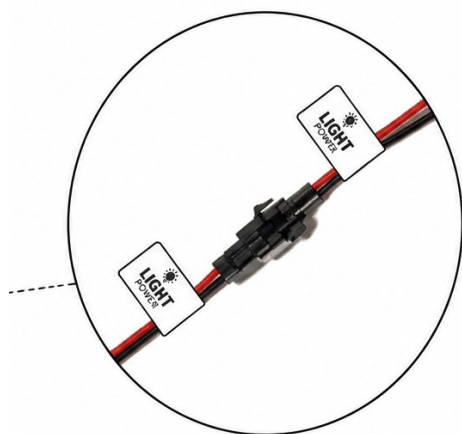


Figure 12 (detail, repeated). Bench lighting connector on the Left Panel (A) side.

#### ⚠ WARNING • ELECTRIC SHOCK

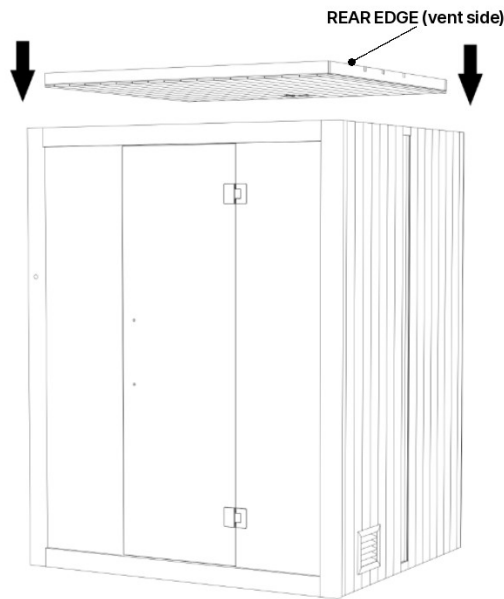
Contact with energized conductors can cause electric shock, death, or serious injury. Before you join any connector, confirm the sauna circuit is switched off at the breaker and not yet connected. Keep it de-energized until the electrician energizes it for the Function Test at Step 18.

- Locate the bench lighting cable from the Lower Bench and its matching connector on the Left Panel (A), shown in the inset of Figure 12.
- Join the two connectors until they seat fully, then tuck the cable under the bench so it cannot be pinched or stepped on.

#### CHECKPOINT

The bench lighting connector is fully seated and the cable is routed clear of the bench edges.

## STEP 10 · Install the Ceiling Panel



**Figure 13.** Ceiling Panel lowered onto the four walls, vent toward the rear.

### TEAM BUILD

Two or more people are required, one on a ladder or step stool. Never install the Ceiling Panel alone.



### WARNING · OVERHEAD LIFT

Lifting or lowering the Ceiling Panel overhead from a ladder can cause a fall or loss of control of the panel, resulting in death or serious injury. Use two people, keep the ladder level and stable, keep secure footing, and never stand beneath the panel.



### WARNING · ELECTRIC SHOCK

Contact with energized conductors can cause electric shock, death, or serious injury. Before you join any connector, confirm the sauna circuit is switched off at the breaker and not yet connected. Keep it de-energized until the electrician energizes it for the Function Test at Step 18.

### NOTICE · CABLE ROUTING

A cable trapped between the Ceiling Panel and a wall can be cut or pinched and will not reach its connector. Before you lower the Ceiling Panel, position every cable extending from the top of the wall panels so it drapes over the outside of the sauna, where it hangs freely until the ceiling is fully seated.

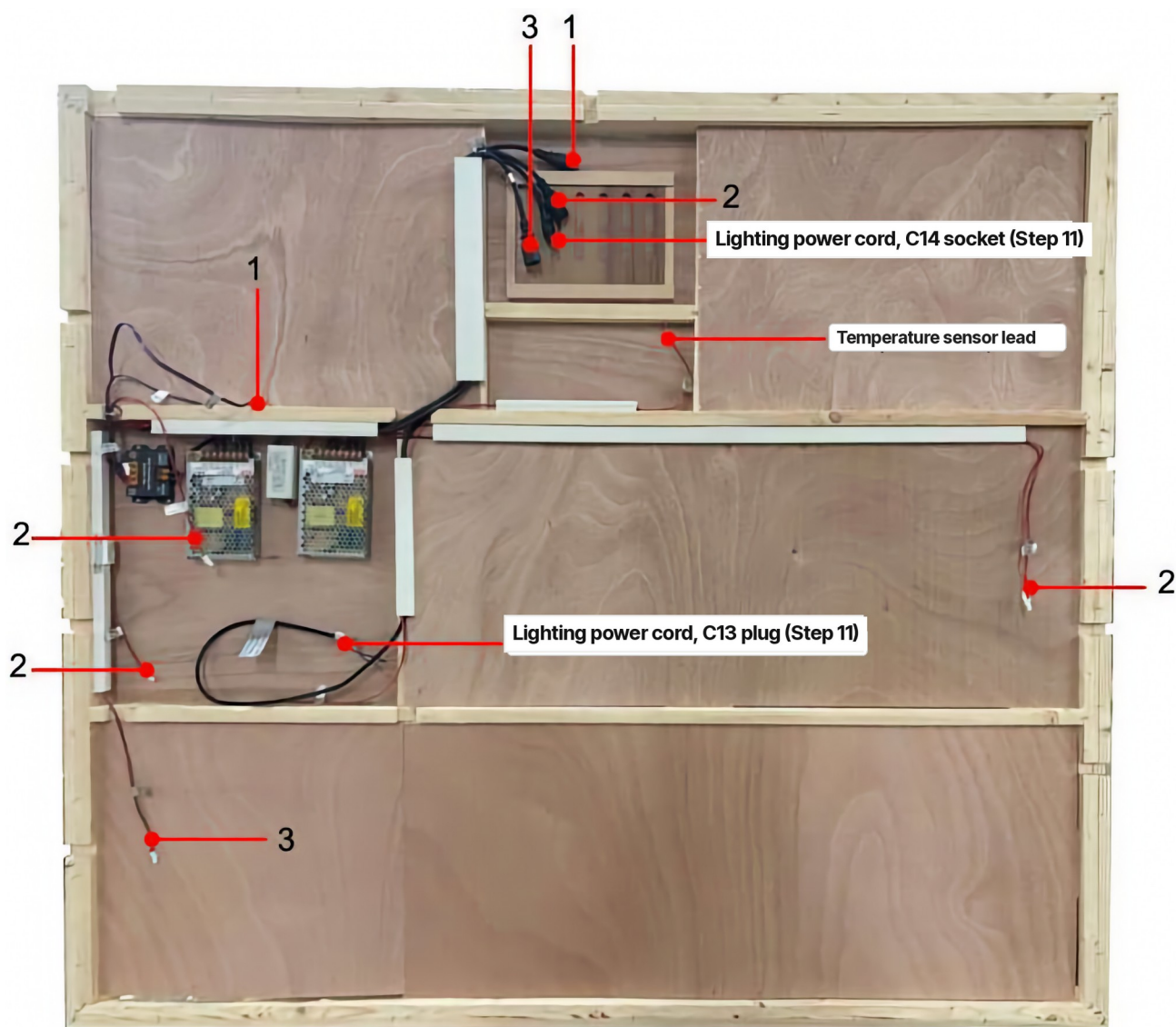
- Working from the ladder, position the Ceiling Panel with the vent toward the rear of the sauna and lower it until it sits flush on the top rails of all four walls (Figure 13). Keep fingers clear of the top edges of the walls as the Ceiling Panel settles.

- Secure the Ceiling Panel through the ceiling trim with the (2) 3.5 × 50 mm Ceiling Panel screws, using the power drill with the Phillips bit or the Phillips screwdriver. Drive each screw until the head seats; do not over-tighten.

#### CHECKPOINT

The Ceiling Panel sits flush on all four walls, the vent faces the rear, and no cable is pinned between the ceiling and a wall.

### STEP 11 · Connect the Ceiling Cables



**Figure 14.** Top of the Ceiling Panel with the Dust Cover off. Callouts: 1 ambient RGB light connectors, 2 warm white tile light connectors, 3 fan power connector. The lighting power cord joins at its C13/C14 connector in this step. The temperature sensor lead is connected by the electrician at Step 16.

#### ⚠ WARNING · ELECTRIC SHOCK

Contact with energized conductors can cause electric shock, death, or serious injury. Before you join any connector, confirm the sauna circuit is switched off at the breaker and not yet connected. Keep it de-energized until the electrician energizes it for the Function Test at Step 18.

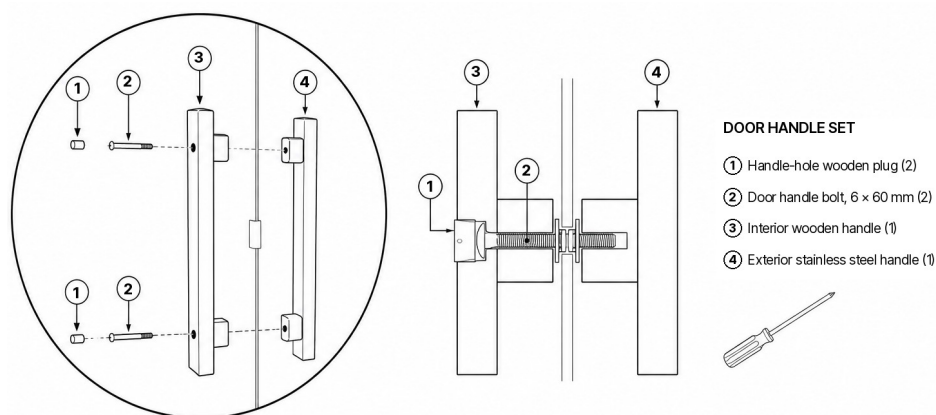
Three types of connector come up from the top of the wall panels: the ambient RGB light connectors (1), the warm white tile light connectors (2), and the fan power connector (3), shown in Figure 14.

- Match each connector coming up from a wall to the connector of the same type and label on the Ceiling Panel, and push each pair together until it seats. Do not force a connector; the keyed plugs fit only their matching socket.
- Plug the lighting power cord (C13 plug) into its C14 socket beside the control box opening, shown in Figure 14, and push it in until it seats. This is a standard appliance connector and carries no power until the electrician energizes the circuit at Step 18.
- Leave the temperature sensor lead untouched. The electrician connects it to the control box at Step 16.

#### CHECKPOINT

Every RGB, warm white, and fan connector is joined to its match and fully seated, the lighting power cord is seated in its C14 socket, and the temperature sensor lead is still free.

## STEP 12 • Install the Door Handle



**Figure 15.** Door handle assembly: 1 handle-hole wooden plugs (2), 2 door handle bolts, 6 × 60 mm (2), 3 interior wooden handle, 4 exterior stainless steel handle.

#### ⚠ WARNING • GLASS

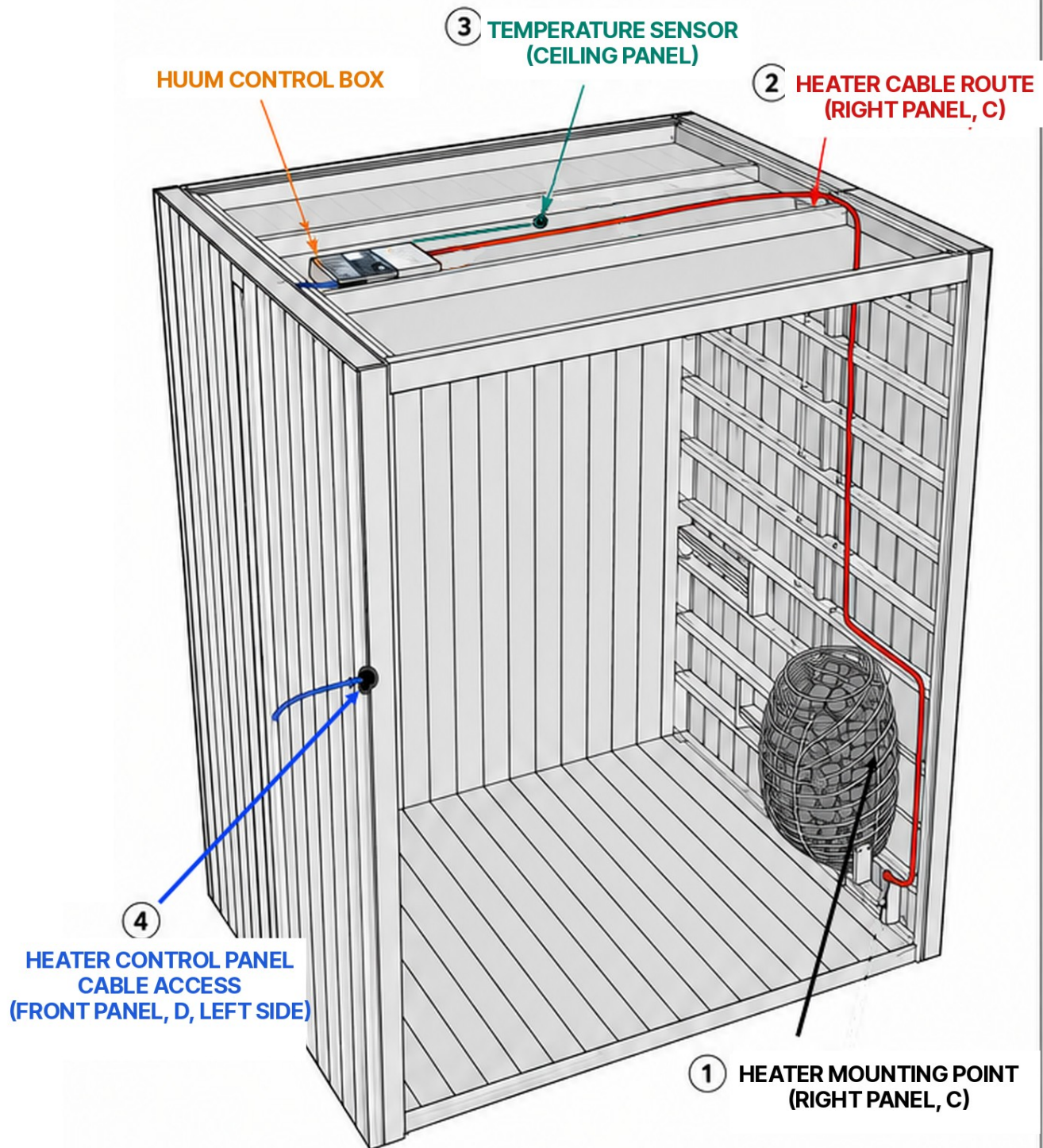
Over-tightening the handle bolts or striking the glass during handle installation can crack or shatter the door glass and cause cuts. Support the handle on both sides, tighten the bolts evenly by hand with the screwdriver, do not use a power tool, and stop when the handles are snug against their gaskets.

- Hold the exterior stainless steel handle (Figure 15, 4) against the outside of the glass door and the interior wooden handle (Figure 15, 3) against the inside, aligned with the two holes in the glass.
- From the inside, pass the (2) 6 × 60 mm door handle bolts (Figure 15, 2) through the interior handle and the glass into the exterior handle, and tighten with the Phillips screwdriver until snug. Do not over-tighten.
- Press a handle-hole wooden plug (Figure 15, 1) into each bolt hole on the interior handle. The third plug in the bag is a spare.

#### CHECKPOINT

Both handles are snug with no play, the plugs are flush, and the door swings freely and latches square against the frame.

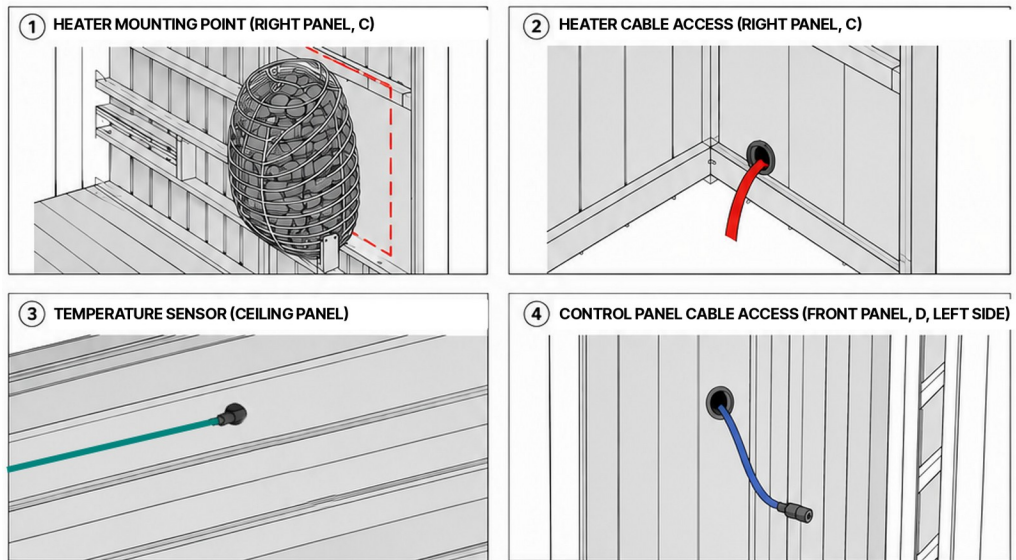
**STEP 13 · Mount the Heater (Electrician)**



**Figure 16.** Cabin cutaway showing the four designated locations: 1 heater mounting point on the Right Panel (C), 2 heater cable route down the Right Panel (C) to the cable access at its base, 3 temperature sensor on the Ceiling Panel, 4 heater control panel cable access on the left side of the Front Panel (D). The HUUM control box mounts on top of the Ceiling Panel.

**⚠ DANGER • ELECTRIC SHOCK**

**Steps 13 to 16 and Step 18 are performed only by a licensed electrician. The dedicated 240 V, 40 A circuit stays switched off at the breaker until the Function Test at Step 18.** The circuit can be energized unexpectedly while wiring, and contact with an energized conductor can cause fatal electric shock. Disconnect, lock out, and verify the absence of voltage with a tester before you touch the heater cable, the control box, the supply, any terminal, or the temperature sensor.



**Figure 17.** Detail views of the four locations: 1 heater mounting point, 2 heater cable access at the base of the Right Panel (C), 3 temperature sensor, 4 heater control panel cable access on the left side of the Front Panel (D).

**⚠ WARNING • HEATER PLACEMENT**

Incorrect heater height, orientation, or clearance from combustible materials can cause fire, death, or serious injury. Install the heater exactly as the current HUUM DROP installation manual specifies, at its designated mounting point, and verify every clearance in Section 03 before use.

Install the HUUM DROP 7.5 kW electric sauna heater, the HUUM Rail D safety rail, the drip tray, the HUUM UKU Wi-Fi control box and control panel, and the temperature sensor. Follow the HUUM installation manuals included in the HUUM shipment. Steps 13 to 18 give the Nova-specific locations and the order of work. Each step names the pages of the HUUM DROP manual and the HUUM UKU manual that govern that work. The HUUM manuals set the sensor placement, the clearances, the stone loading, and every electrical connection; those requirements come from the heater manufacturer and must not be substituted. Page numbers refer to the English section of the US manuals shipped with the heater (HUUM DROP manual pages 3 to 19; HUUM UKU manual pages 3 to 24). Each reference names the HUUM section as well as the page. If HUUM has revised a manual, the electrician follows the current HUUM manual and finds the section by its title. The cabin is pre-built to accommodate the heater and its controls at the locations in Figure 16 and Figure 17. The fan and lighting controller on the Back Panel (B) is pre-wired and needs no work from the electrician.

- Check the heater kit against the list on page 3 of the HUUM DROP manual (The set includes). The kit holds the heater, the heater mounting plate, the reflector, the heating element spacers, the heating element retainer, and the heat diverter with its fastenings. Fit the heat diverter, the retainer, and the spacers as shown in Figure 2, Figure 4, and Figure 5 on pages 5 and 6 of the HUUM DROP manual (Installation).
- Mount the heater on the Right Panel (C) at the designated mounting point (Figure 17, 1). Fix the heater mounting plate to the panel at that point with mounting screws supplied by the electrician; HUUM does not include or

size them. Use the power drill with the Phillips bit or a Phillips screwdriver. Connect the heater cable inside the electrical box of the heater. Then hang the heater on the plate and secure it with the safety bolt, as described on page 8 of the HUUM DROP manual (Connecting the heater to the power supply). The designated point meets the HUUM safety distances in Table 1 on page 4 and Figure 1 on page 5 of the HUUM DROP manual (Positioning of the heater, DROP 7 row). The heater weighs 143 lb (65 kg) with its stones loaded; the mounting point is built for it.

- Route the heater cable from the heater through the cable access at the base of the Right Panel (C) (Figure 17, 2). Run it up through the Right Panel to the control box position on the Ceiling Panel, the route marked 2 in Figure 16. The heater cable carries power from the control box to the heater; it is not the supply cable. The cable must meet the requirements on pages 7 and 8 of the HUUM DROP manual (Connecting the heater to the power supply: UL 62, heat resistant, not PVC insulated). Its minimum wire size is in Table 2 on the same page 8 (8 AWG for the DROP 7 at 240 V).
- Fit the drip tray beneath the heater and the HUUM Rail D safety rail around it. The drip tray is described on pages 12 and 13 of the HUUM DROP manual (Floor of the sauna room) and safety railings on page 11 (Safety railings).

#### CHECKPOINT

The heater hangs on its mounting plate and is secured with the safety bolt. The heat diverter, retainer, and spacers are fitted, and the drip tray and safety rail are in place. The heater cable is connected at the heater and routed up the Right Panel (C) to the control box position. The breaker is still off.

### STEP 14 • Mount the Temperature Sensor (Electrician)

This step shares Figure 16 and Figure 17; detail 3 of Figure 17 is repeated below.

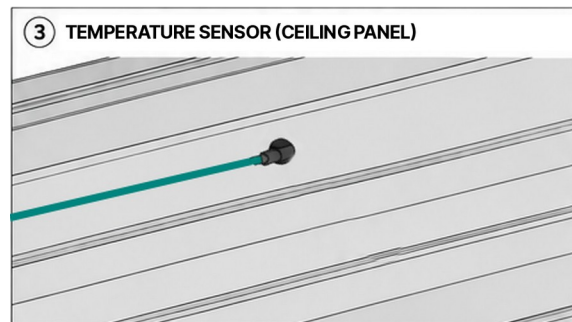


Figure 17, detail 3 (repeated). Temperature sensor location on the Ceiling Panel.



#### **DANGER • ELECTRIC SHOCK**

**The dedicated 240 V, 40 A circuit stays switched off at the breaker and locked out until the Function Test at Step 18.** Contact with an energized conductor can cause fatal electric shock. Verify the absence of voltage with a tester before you touch the control box, any terminal, or any cable.

- Mount the temperature sensor at the designated location on the Ceiling Panel (Figure 17, 3). Use the screws supplied with the sensor or by the electrician and a Phillips screwdriver. Follow page 10 of the HUUM UKU manual (Temperature sensor with overheating protection) for the sensor housing and for the connection of its cable to terminals 1 and 2 inside the sensor. Do not relocate the sensor.

#### CHECKPOINT

The temperature sensor is mounted at its designated location with its cable connected to terminals 1 and 2 inside the sensor. The breaker is still off.

## STEP 15 • Mount the Control Panel (Electrician)

This step shares Figure 16 and Figure 17; detail 4 of Figure 17 is repeated below.

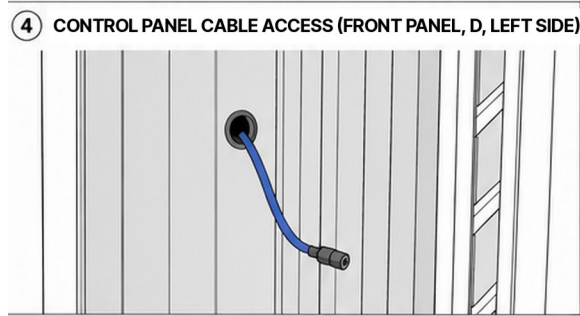


Figure 17, detail 4 (repeated). Control panel cable access on the left side of the Front Panel (D).

### **DANGER • ELECTRIC SHOCK**

**The dedicated 240 V, 40 A circuit stays switched off at the breaker and locked out until the Function Test at Step 18.** Contact with an energized conductor can cause fatal electric shock. Verify the absence of voltage with a tester before you touch the control box, any terminal, or any cable.

- Route the control panel cable through the access point on the left side of the Front Panel (D) (Figure 17, 4) and mount the UKU heater control panel on the exterior face there. Use the screws supplied by the electrician and a Phillips screwdriver. The Nova ships the plastic-case control panel, which HUUM specifies for mounting outside the sauna room. Follow pages 6 and 8 of the HUUM UKU manual (Control panel; Control panel with plastic case). The cable may not exceed 65 ft (20 m) or run parallel to high-current cables, and the terminal screws are tightened by hand only.

### **CHECKPOINT**

The control panel is mounted on the exterior of the left side of the Front Panel (D) with its cable routed through the access point and its terminal screws hand-tight. The breaker is still off.

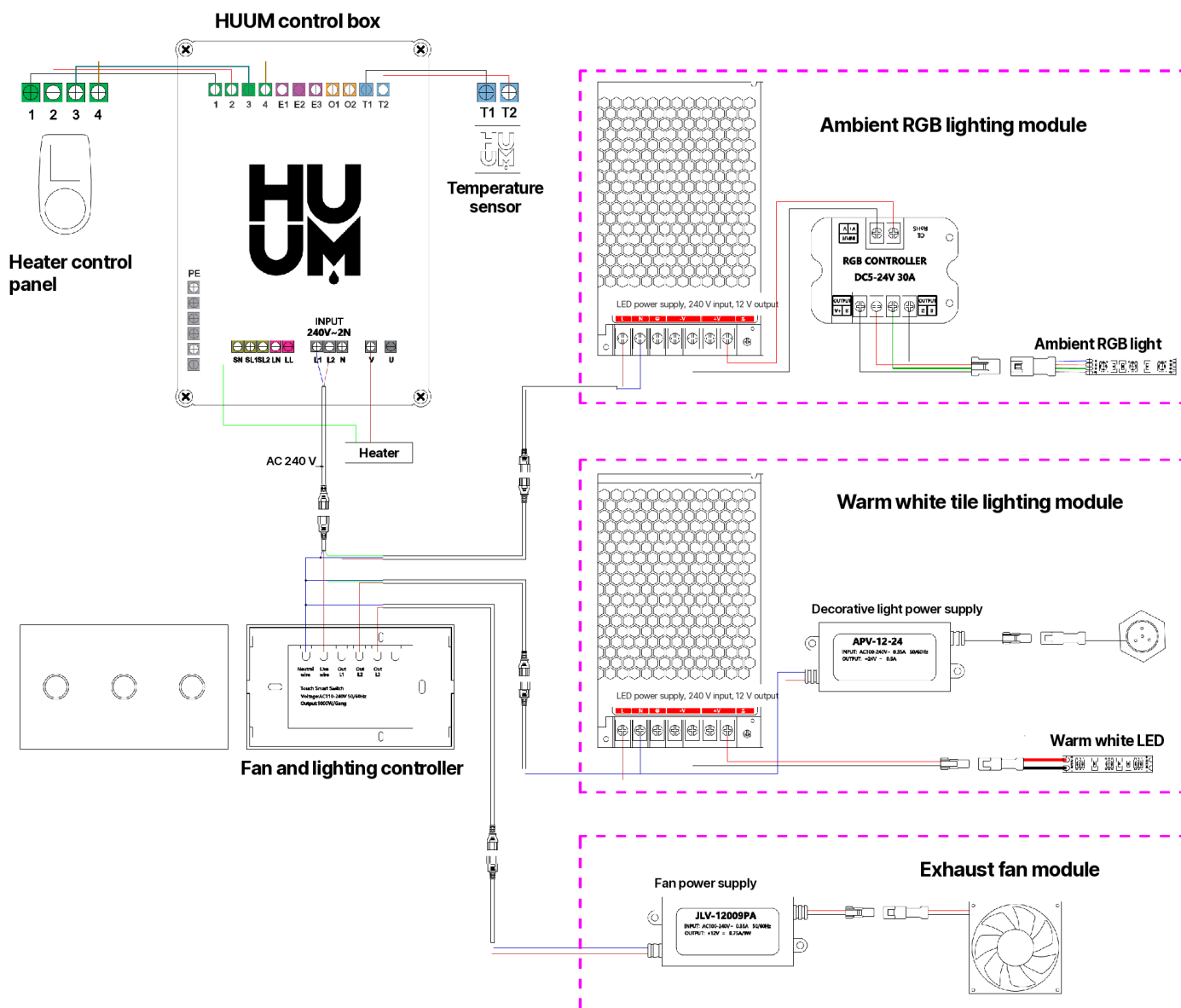
## STEP 16 • Wire the Control Box (Electrician)

### **⚠ DANGER • ELECTRIC SHOCK**

The dedicated 240 V, 40 A circuit stays switched off at the breaker and locked out until the Function Test at Step 18. Contact with an energized conductor can cause fatal electric shock. Verify the absence of voltage with a tester before you touch the control box, any terminal, or any cable.

### **⚠ WARNING • REFERENCE ONLY**

This diagram shows the as-built wiring configuration and is not a standalone wiring procedure. Wiring from this diagram alone can cause incorrect connections, electric shock, fire, death, or serious injury. The licensed electrician follows the current HUUM installation manuals and applicable electrical codes.



**Figure 18.** Heater and control wiring reference for the electrician. The heater, the HUUM control box, and the two ceiling lighting power supplies share the dedicated 240 V circuit. This diagram shows the as-built configuration for reference; the HUUM manuals govern.

- Mount the HUUM control box (the UKU main module) at its location on top of the Ceiling Panel with four mounting screws supplied by the electrician and a Phillips screwdriver. HUUM does not include the screws (page 8 of the HUUM UKU manual, Main module). Bring the dedicated 240 V supply in at the top of the Back Panel (B) to the control box. Page 8 of the HUUM UKU manual (Main module) covers its mounting, the cable glands, and the power cable. The supply cable, the breaker, and the wire size follow page 7 and Table 2 on page 8 of the HUUM DROP manual (Connecting the heater to the power supply). The DROP 7 row gives 31.25 A at 240 V, a 40 A breaker, and 8 AWG minimum.
- Connect the supply, the heater cable, the control panel cable, and the temperature sensor lead on the Ceiling Panel (Figure 14) to the control box. The terminals are shown in Figure 1 on page 5 of the HUUM UKU manual (Electrical connections of the heater). The supply lands on the mains terminals, the heater on V and U, the control panel on terminals 1 to 4, and the temperature sensor on T1 and T2. Figure 18 shows the same connections as built in the Nova, for reference only. Crimp every cable end. Crimping is mandatory per HUUM (page 7 of the HUUM DROP manual, Connecting the heater to the power supply, and page 6 of the HUUM UKU manual, Installing UKU electrical control device).
- Bypass the HUUM door sensor, which is not compatible with the frameless glass door and is not installed. Either connect terminals O1 and O2 in the control box together, or leave the sensor connected and stowed in the ceiling. The door sensor terminals are shown on page 9 of the HUUM UKU manual (Door sensor) and in Figure 1 on page 5. Either method keeps the control box from treating the door as open and stopping the heater.
- Secure every cable in its cable gland and seal the control box so no moisture can enter (pages 6 and 8 of the HUUM UKU manual, Installing UKU electrical control device and Main module). The GFCI guidance and the breaker labeling requirement are in the NOTICE in Section 03.

#### **CHECKPOINT**

The supply, the heater cable, the control panel cable, and the temperature sensor lead are connected at the control box per the HUUM UKU diagram. Every cable end is crimped, the door sensor terminals are bypassed or the sensor is stowed, and the control box is sealed. The breaker is still off.

## STEP 17 • Load the Sauna Stones

This step shares Figure 16; detail 1 of Figure 17, the loaded heater at its mounting point, is repeated below. The stone arrangement is shown in Figure 8 on page 10 of the HUUM DROP manual (Laying of the heater stones).

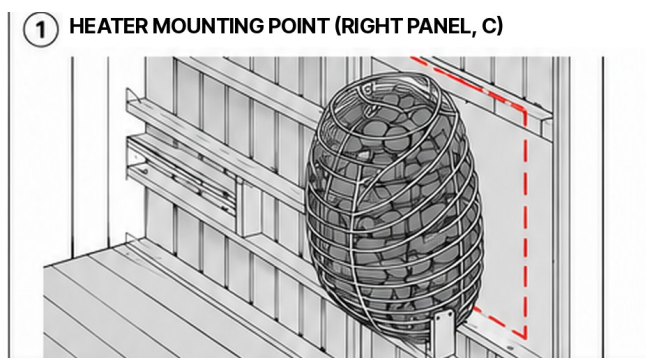


Figure 17, detail 1 (repeated). The loaded heater at its mounting point on the Right Panel (C).

### **⚠ WARNING • BURN AND FIRE HAZARD**

The heater must stay at its designated mounting point. That point meets the HUUM minimum distances for this heater: sides 5 1/2 in (140 mm), front 26 3/8 in (670 mm), ceiling 47 1/4 in (1200 mm) (Table 1 on page 4 of the HUUM DROP manual, Positioning of the heater). A relocated heater, added material near it, or an exposed heating element can ignite the cabin and cause burns, death, or serious injury. Never relocate the heater, add material near it, or run the heater without a complete stone load.

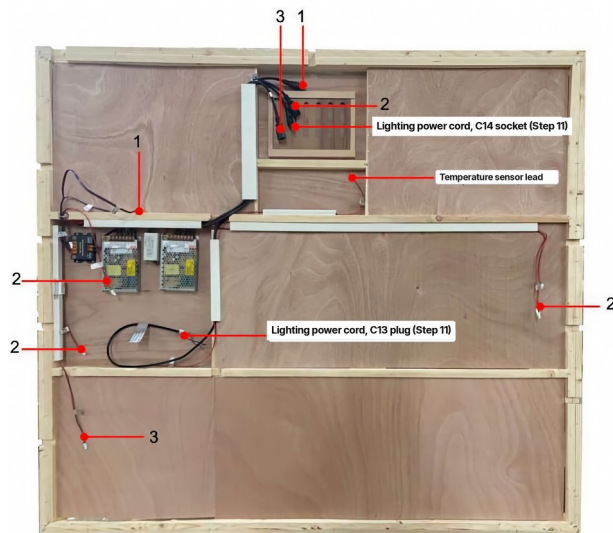
- With the breaker still off, load the stones as described on pages 9 and 10 of the HUUM DROP manual (Laying of the heater stones). Use the HUUM small sauna stones, 2 to 4 in (5 to 10 cm), from the HUUM shipment. The heater holds about 121 lb (55 kg) of stones. Do not place stones under the heating element retainer (page 9 of the HUUM DROP manual, Laying of the heater stones).
- Wash the stones under running water, wear gloves, and lay them one at a time, never poured. Place the larger stones at the bottom and sides and use smaller stones to hold them in place. Lay stones between the heating elements as well, tightly but with room for air to circulate, and leave no heating element visible through the stones, as Figure 8 on page 10 of the HUUM DROP manual shows. A sparsely filled stone container is a fire hazard.

### **CHECKPOINT**

The stone load is complete with no heating element visible, the stones are laid with room for air to circulate, and the breaker is still off.

## STEP 18 • Run the Function Test (Electrician)

This step shares Figure 14 and Figure 18; Figure 14 is repeated below.



**Figure 14 (repeated).** Top of the Ceiling Panel with the Dust Cover off, for the Function Test.

Test every system now, while the connections on the Ceiling Panel are still accessible. Follow the testing procedure on pages 14 and 15 of the HUUM UKU manual (Testing) for the heater and its controls. The door sensor test there does not apply because the sensor is bypassed. This is the first time the sauna is energized, and the only step in which it is powered before the Dust Cover is installed.



### **WARNING • HOT SURFACES**

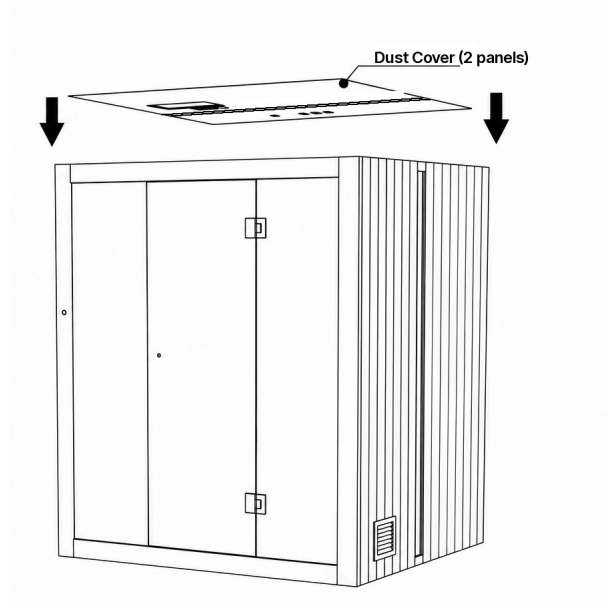
The heater and stones become hot within minutes of the test and can cause severe burns. Keep towels, clothing, and packaging away from the heater, and do not touch the heater or its safety rail during or after the test.

- With everyone clear of the Ceiling Panel and the heater, switch the dedicated 40 A breaker on.
- Power the sauna on at the control panel and verify the display lights and responds.
- Start a heating session and confirm the heater begins to warm within a few minutes and the control panel reads the temperature sensor.
- Confirm the warm white tile lighting, the ambient RGB lighting (including the RGB remote control), and the exhaust fan respond to the fan and lighting controller on the Back Panel (B).
- If you plan to use the app, confirm the control panel pairs with the HUUM app over your 2.4 GHz Wi-Fi network. Pairing is described on pages 12 and 13 of the HUUM UKU manual (Connecting the UKU WiFi controller to the network; HUUM mobile application) and in the Owner's Manual. The sauna operates fully without the app.
- Power the sauna off at the control panel and confirm the heater shuts off.
- Switch the breaker off before continuing to Step 19.

### **IF SOMETHING FAILS**

If a light zone or the fan does not respond, a connector on the Ceiling Panel is likely unseated. Switch the breaker off and see Section 07, Assembly Troubleshooting, before installing the Dust Cover. Heater and control faults are diagnosed per the HUUM manuals by the electrician.

## STEP 19 · Install the Dust Cover



**Figure 19.** Dust Cover, two panels side by side, lowered onto the Ceiling Panel over the connections from the ladder. The panel with the rectangular cutout sits over the HUUM control box.

### TEAM BUILD

Two people are required, one on a ladder or step stool.

### ⚠ WARNING · LADDER

Reaching or overextending from a ladder while positioning the Dust Cover can cause a fall resulting in death or serious injury. Place the ladder on the level floor, keep three points of contact, climb down and move the ladder instead of leaning, and have the second person steady the cover.

- With the Function Test passed and the breaker switched off, position the two panels of the Dust Cover side by side over the connections on the Ceiling Panel (Figure 19). The panel with the rectangular cutout goes over the HUUM control box; the other panel covers the remaining half.
- Using the power drill with the Phillips bit or the Phillips screwdriver, secure the Dust Cover with the (12) black 3 × 16 mm screws, six per panel. Drive each screw until the head seats; do not over-tighten, which strips the thin cover.
- Switch the breaker back on. The sauna is ready for its first heating session per the Owner's Manual.

### INSTALLATION COMPLETE

Before your first session, please read the Nova Owner's Manual in full, including its Safety Warnings chapter, for operating instructions, the first heating and stone conditioning procedure, löyly guidance, and care recommendations.

# Assembly Troubleshooting

**Switch the breaker off before any action in this table that touches a cable, a connector, or the Ceiling Panel.**

Heater and control faults are diagnosed by the electrician per the HUUM manuals, using the testing procedure on pages 14 and 15 of the HUUM UKU manual (Testing).

| ISSUE                                                                  | LIKELY CAUSE                                                                               | WHAT TO DO                                                                                                                                                                                                                     |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A panel will not seat flush, or a gap exceeds 1/8 in                   | Concealed buckles not aligned or not fully engaged, or the Floor Panel is not level        | Lift the panel to release the buckles, re-align, and slide down again, tapping with the rubber mallet.                                                                                                                         |
| The door does not close square against the frame                       | The Front Panel is not fully seated on its buckles                                         | Tap the wooden top rail of the Front Panel down until aligned with both side panels, then re-check the door.                                                                                                                   |
| The control panel does not power on                                    | Breaker off, or a supply connection at the control box is incomplete                       | Confirm the dedicated breaker is on. If it is, switch it off and have the electrician check the supply and control panel connections against Figure 1 on page 5 of the HUUM UKU manual (Electrical connections of the heater). |
| The control panel lights but does not respond, or shows a sensor error | The control panel cable or the temperature sensor is not seated at the control box         | Switch the breaker off. The electrician reseats the control panel and sensor connections at the HUUM control box, then retests.                                                                                                |
| A light zone or the fan does not work                                  | Its connector on the Ceiling Panel is not fully seated or is joined to the wrong connector | Switch the breaker off. Remove the Dust Cover if fitted, reseal the RGB, warm white, or fan connector until it clicks, then switch on and retest.                                                                              |
| A cable will not reach its connector on the Ceiling Panel              | Cable fell inside the wall or was joined to the wrong connector                            | Switch the breaker off. Remove the two Ceiling Panel screws, lift the Ceiling Panel slightly, pull the cable up so it hangs outside the wall, and join it to its matching connector.                                           |

If an issue persists, stop assembly and contact us. Photos of the affected area speed up every support conversation.

# Final Checklist and Support

## Final Inspection

- ☐ All panel seams are flush, with no gap over 1/8 in, and every concealed buckle is locked.
- ☐ The door opens through its full swing and closes square against the frame.
- ☐ The Bench Front Panel is secured with the (4) 3 × 30 mm screws and both benches are secured with the (4) 3.5 × 50 mm bench screws and sit level.
- ☐ The door handle is snug and the wooden plugs are in place, with one spare kept.
- ☐ The heater is on its mounting point with the drip tray and safety rail fitted and stones loaded, the sensor and control panel are mounted, and the electrician has completed and signed off the 40 A circuit.
- ☐ The Function Test passed: control panel, heater, temperature reading, warm white and RGB lighting, fan, and app pairing if used.
- ☐ The Dust Cover is secured with all 12 black screws.
- ☐ No hardware remains except the M4 hex key and the spare wooden plug. Keep them, together with the RGB remote control.
- ☐ This guide, the instruction manual insert, the HUUM DROP and UKU manuals, and the Nova Owner's Manual are stored where you can find them.

## What's Next

Your Nova 6 is installed. Before your first session, read the Nova Owner's Manual in full, including its Safety Warnings chapter, for the first heating and stone conditioning procedure, recommended session temperatures, heat-up times, löyly and water use, app pairing, warranty information, and care and maintenance guidance. The Owner's Manual is included with your sauna and available at [sunhomesaunas.com](https://sunhomesaunas.com).

### NEED SUPPORT?

Our team is happy to help with any part of your installation.

Call: 844-728-6200   Email: [info@sunhomesaunas.com](mailto:info@sunhomesaunas.com)   Web: [sunhomesaunas.com](https://sunhomesaunas.com)