

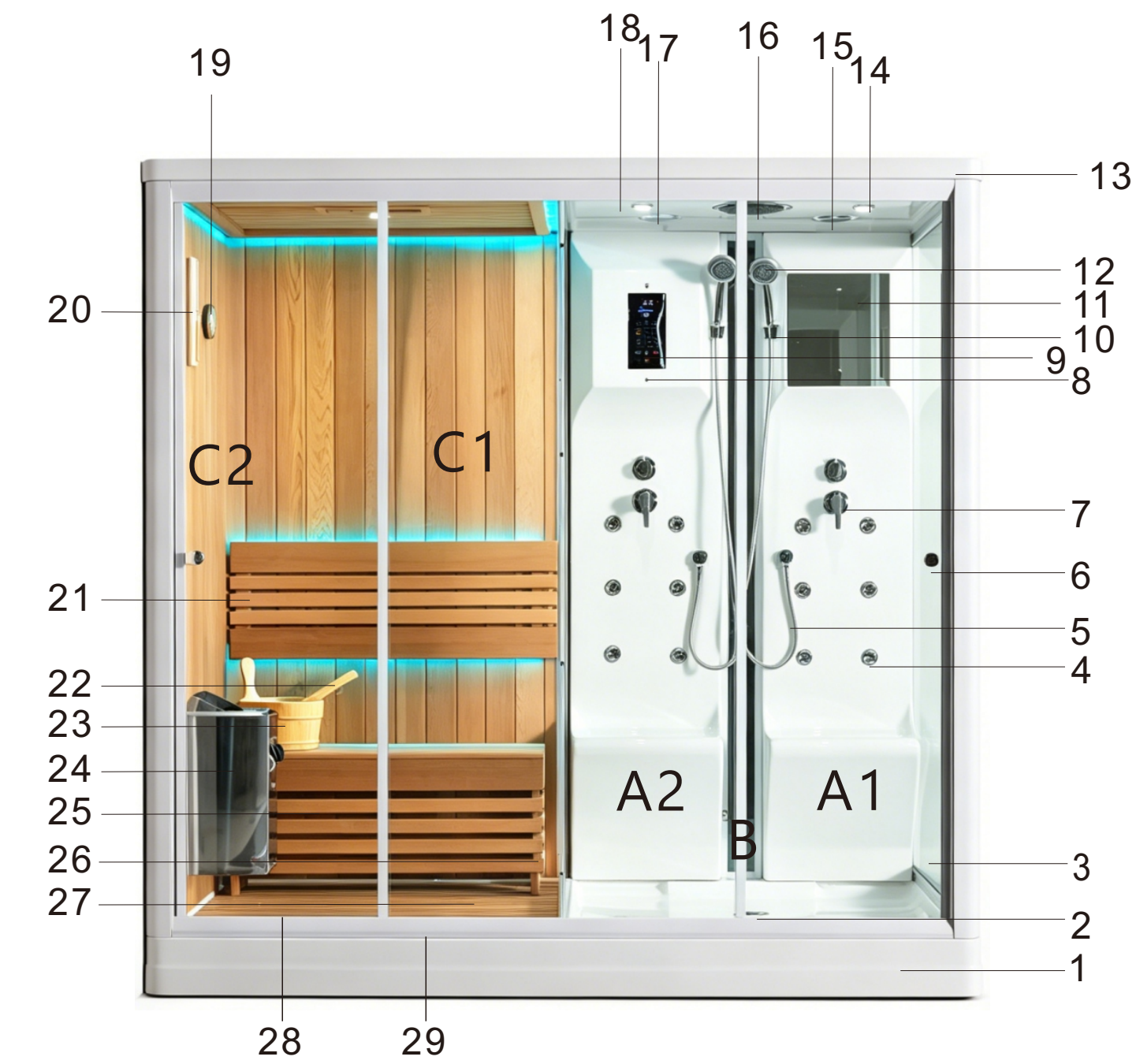
Steam Room Installation Manual

U881-DP

All set up dimensions are in Millimeters



I.Structure



NO.	Part Name	NO.	Part Name	NO.	Part Name	NO.	Part Name
1	Base Tray	9	Built-in Storage Shelf	17	Ozone Generator	25	Sauna Bench Stool
2	Floor Drain	10	Handheld Shower Bracket	18	Ventilation Exhaust Fan	26	Intermediate Fixed Glass
3	Fixed Glass Panel	11	Vanity Mirror	19	Thermo-Hygrometer	27	Front Fixed Glass
4	Massage Nozzle	12	Handheld Shower Head	20	Hourglass	28	Sauna Floor Panel
5	Handheld Shower Hose	13	Top Frame Cover	21	Sauna Backrest Bench	29	Aluminum Frame Profile
6	Door Handle	14	LED Ambient Light	22	Sauna Ladle	A	Shower Function Column
7	Control Switch	15	Built-in Speaker	23	Sauna Bucket	B	Back Panel Glass
8	Temperature Sensor Probe	16	Overhead Shower Head	24	Sauna Heater	C	Sauna Cabin Panel

II. Safety Instructions

1. Installation Requirements

1. All electrical work must be performed by a **qualified electrician** or a professional authorized by the dealer.
2. The power supply must match the product's electrical specifications. A certified residual current device (RCD/leakage protector) and overcurrent protection device are required.
 - (1) Rated voltage: 220V-240V / 50Hz
 - (2) Rated current: $\geq 32A$
 - (3) Minimum distance between outlets: $\geq 3mm$ The product's residual current device (leakage switch) is an auxiliary safety feature only. The electrical system must be reliably grounded at all times.
3. **Do not cut any wires** during handling or installation. Do not disassemble the electronic control box, control panel, or remote control. **No internal components of the control box or panel are user-serviceable.** The manufacturer will not be liable for any accidents caused by unauthorized disassembly.
4. Before each use, verify the power switch is functional and the hot/cold water supply valves are fully open.
5. Verify the residual current protection device (RCD) for the steam room is functioning correctly:
 - (1) Plug in the power supply.
 - (2) Press the TEST button: the indicator light should turn OFF.
 - (3) Press the RESET button: the indicator light should turn ON.
 - (4) If the indicator light remains ON after pressing TEST, or remains OFF after pressing RESET, the device is faulty. **Stop using the product immediately and contact a qualified technician for repair.**
6. Do not expose acrylic or plated components to organic solvents such as acetone, ammonia, petrol, or sulfuric acid, as these will cause corrosion and damage.

Usage Advice

1. Exercise caution to avoid burns due to high temperatures when using the steam shower.
2. Individuals who are intoxicated, or have hypertension, asthma, or heart disease, should consult a doctor before using the steam shower and use it with extreme care.
3. Children must be supervised by an adult at all times while using the steam shower.
4. Keep the door closed and ensure no one is inside the unit when operating the sterilization system.
5. Do not start the steam generator if the water level in the massage bathtub is below the minimum required level.
6. After each use, turn off both the water supply and power supply.
7. Always ensure the electrical system is properly and reliably grounded.
8. **Do not use this product outdoors.**

Warning

The user must strictly follow all safety instructions and requirements for installation and use. The manufacturer will not be liable for any accidents or injuries caused by improper operation or misuse.

The manufacturer reserves all rights to modify the craftsmanship and technical specifications described in this manual without prior notice.

II. Technical Specifications

1. Model & Specifications

Model	Specification L×W×H Unit:mm (±2%)	Included Functions											
		Overhead shower	Handheld shower	Steam shower	Acupressure massage jets	Time/temperature display	FM radio	Exhaust fan	Overhead lamp	Telephone function	Sauna heater	Built-in speaker	Ozone sterilization
	86.6" × 47.2" × 86.6" (2200 × 1200 × 2200 mm)	●	●	●	●	●	●	●	●	●	●	●	●

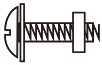
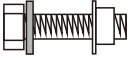
Note: The information in this table is for reference only. The manufacturer reserves the right to modify technical specifications, dimensions, model configurations, and other details without prior notice. Please consult your dealer for the latest specifications.

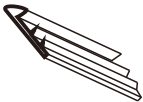
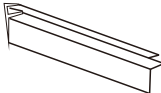
2. Electrical Parameters

Rated Voltage	Rated Frequency	Power		Control Circuit Voltage
		Steam Generator	Sauna stove	
220V	50Hz	3000W	3000W	12W

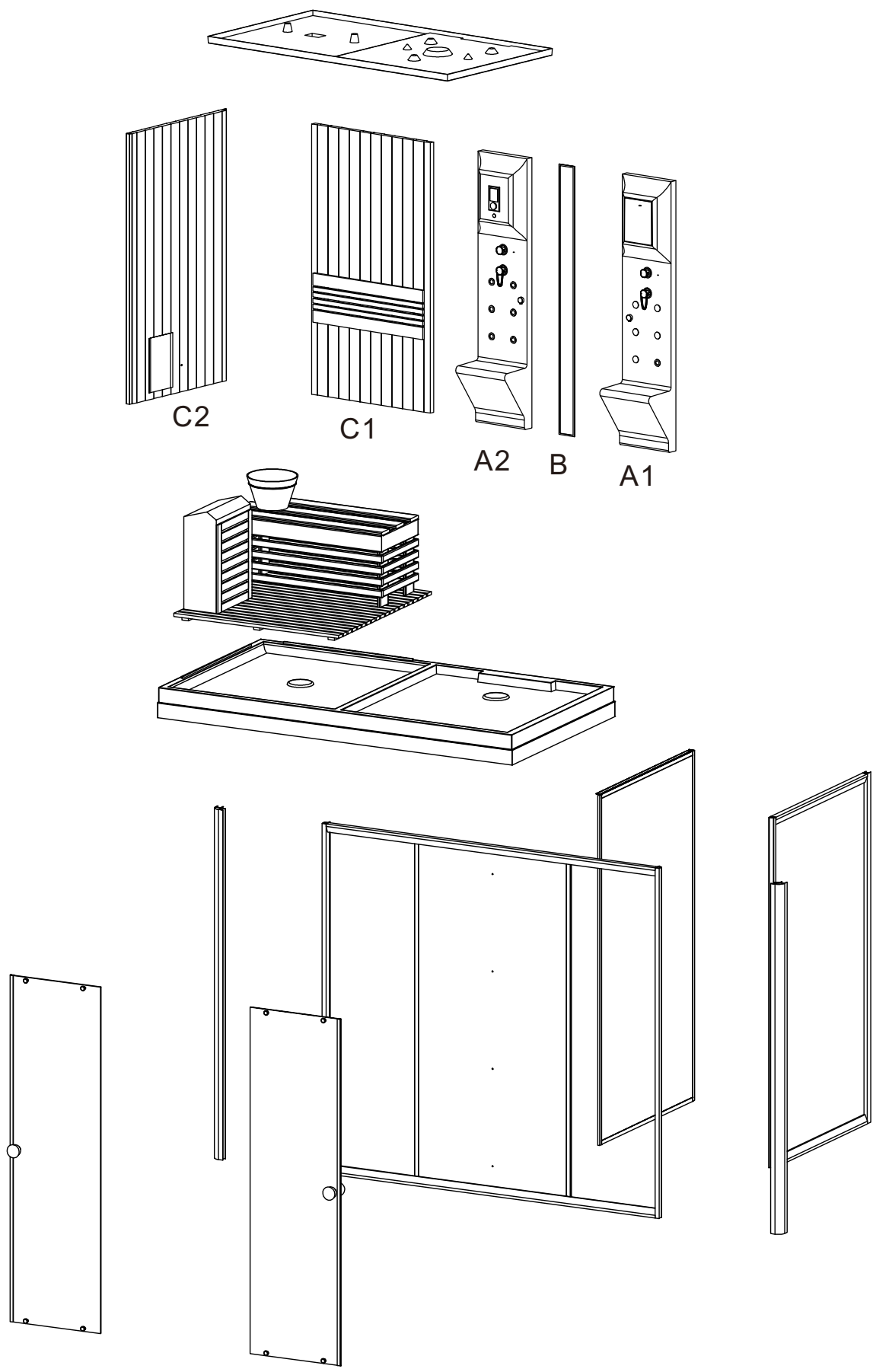
3. Water Supply & Drainage Parameters

Operating Water Pressure	Water Flow Rate	Cold/Hot Water Inlet Size	Drain Outlet Size
Mpa	L/min		
0.2–0.4 MPa	12–16 L/min	1/2" (DN15)	1 1/2" (DN40)

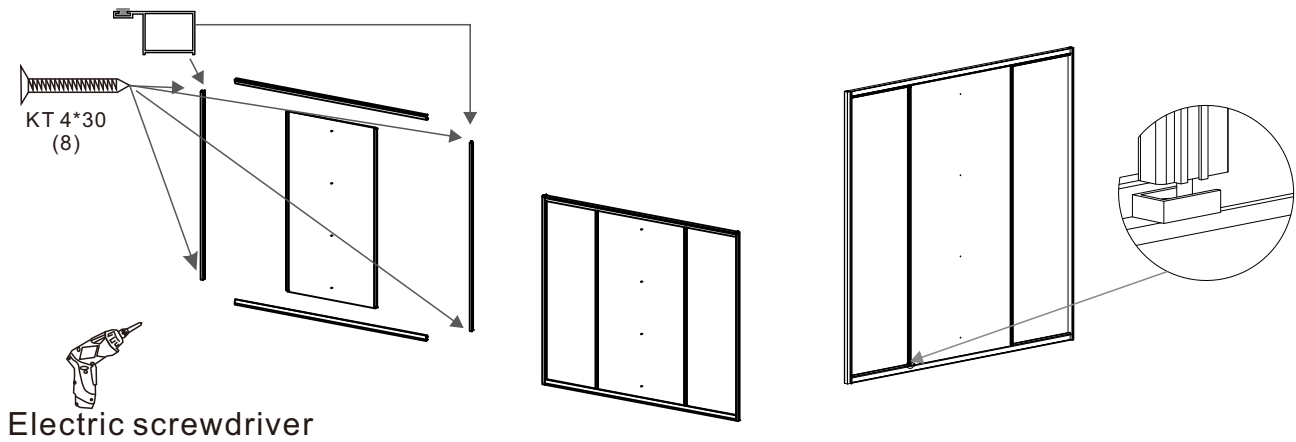
No	Name	Icon	Num	Remarks
1	M 4*20		5	
2	ST 4*16		15	
3	M4*16		20	
4	M 6*25		10	
5	ST 3*20		1	
6	ST 4*40		6	
7	KT 4*16		10	
8	KT 4*40		8	
9	KT 4*60		5	
10	M4		55	Gasket
11	M6		20	Gasket
12	M4		25	Nut
13	M6		10	Nut

No	Name	Icon	Num	Remarks
14	Black washer		4	Black rubber washer (for water pipe connection)
15	Plastic washer		4	Plastic washer (for tray and glass fixing)
16	Spare		3	Screw spare parts kit (for technical assembly)
17	Spare		2	Spare parts kit (for jet connection pipes)
18	Ct419 profile		1	Ct419 aluminum/extrusion profile
19	004 Spare		2	
20	Moisture meter		1	Hygrometer / moisture meter
21	Hourglass		1	Hourglass timer
22	Shower Holder		2	Shower head holder (with shower head and chain)
23	Wheels		8	Casters / wheels
24	Handle		2	
25	Sauna stove		1	Sauna heater (with sauna stool, bucket, and spoon included)

IV.Install Sauna Room



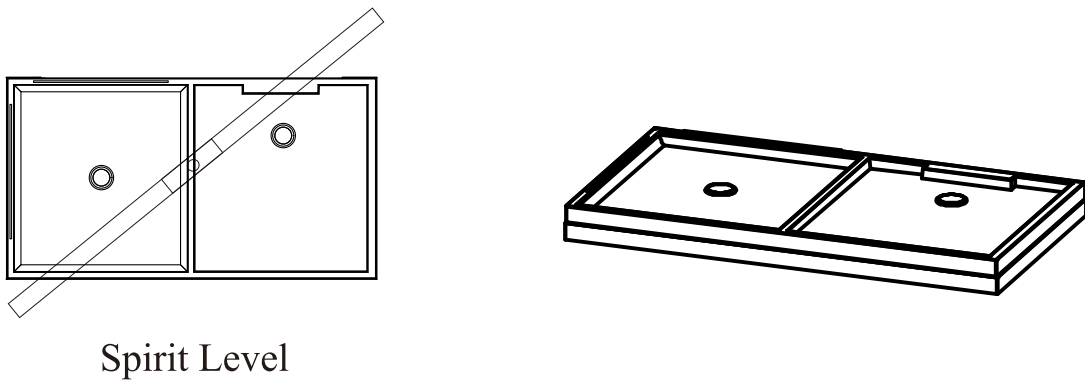
1



Step 1: Frame Assembly

1. Use **(8) KT4×30 flat-head self-tapping screws** and an electric screwdriver to fasten the frame components together.
2. Align all frame rails and tighten the screws securely to form a rigid rectangular assembly.

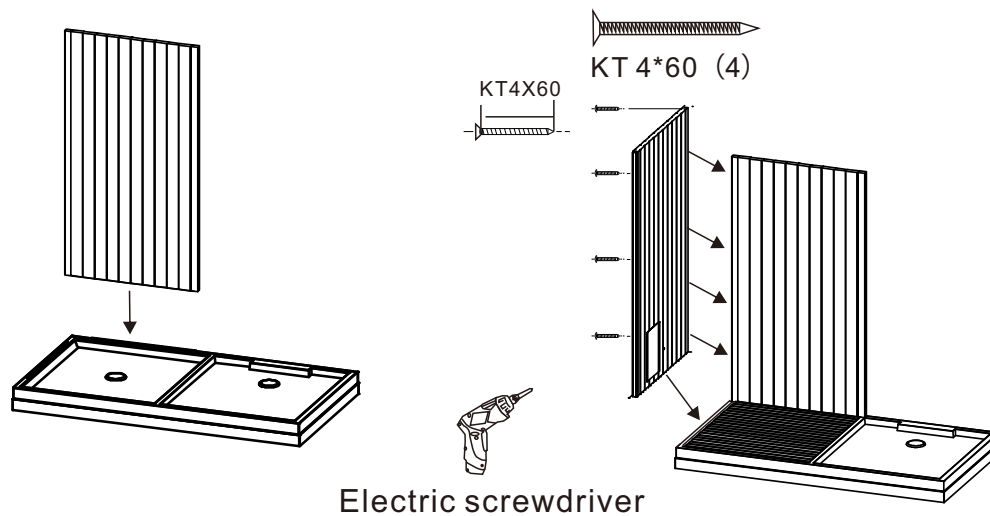
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Step 2: Base Tray Installation & Leveling

1. Place the assembled base tray on the installation surface.
2. Use a **spirit level** to ensure the tray is perfectly level with the floor. Adjust the feet as needed to correct any unevenness.
3. Confirm the drain hose is pre-installed, then route it into the floor drain outlet.

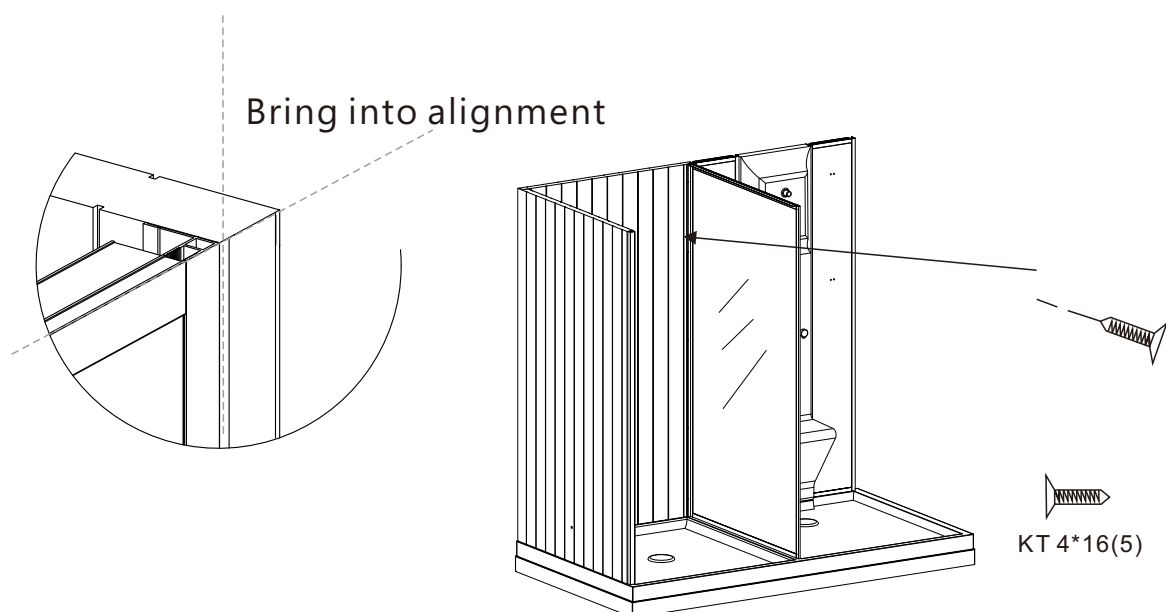
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Step 3: Wall Panel Mounting

1. Position the wooden wall panels onto the pre-drilled mounting points on the side/back base.
2. Secure the panels to the base using **(4) KT4×60 flat-head self-tapping screws** with an electric screwdriver.
3. Ensure the panels are flush and plumb before fully tightening all screws.

4

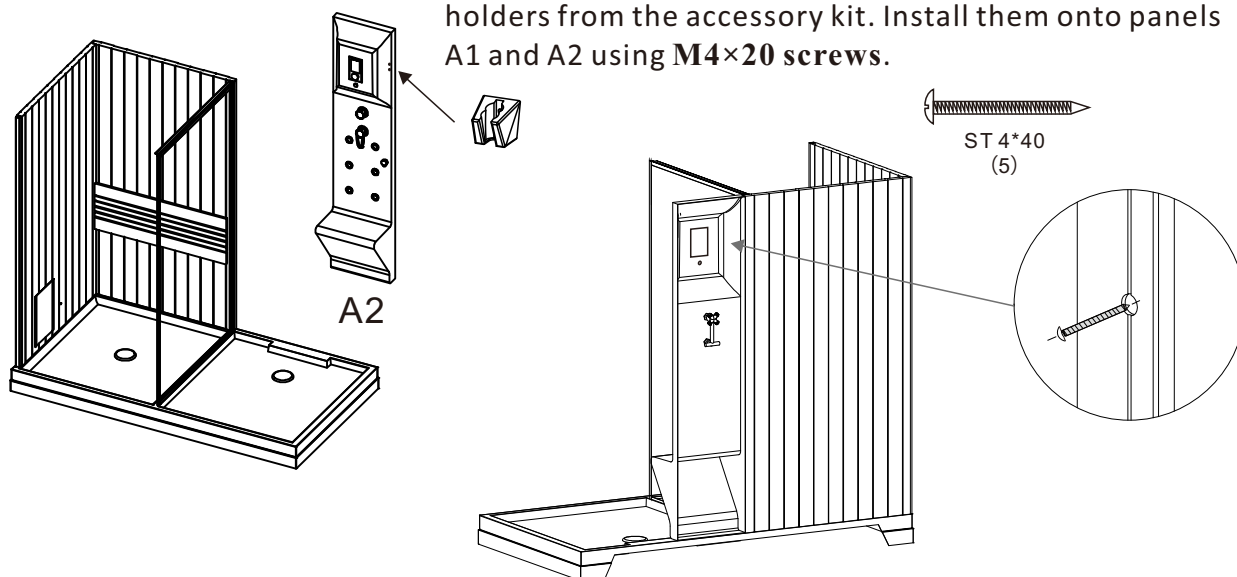


Step 4: Corner Alignment & Aluminum Profile Installation

1. **Alignment** Align the panels to ensure a square and flush corner joint.
2. **L-Shaped Aluminum Profile Installation** Secure the pre-drilled L-shaped aluminum trim to the sauna wood panels using **KT4×16 flat-head self-tapping screws**.

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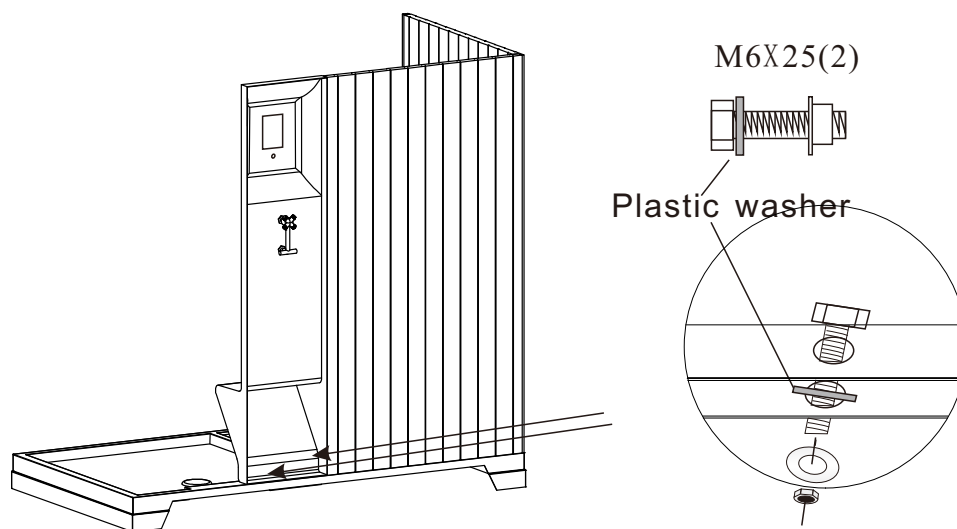
Step 5: Shower Holder Installation & Panel Fastening



3. Installation Tip Apply glass adhesive between panel A2 and the base tray for enhanced waterproofing and stability.

2. Panel Assembly Fasten the wooden panels, aluminum frame, and acrylic back panel together using **(5) ST4×40 self-tapping screws**.

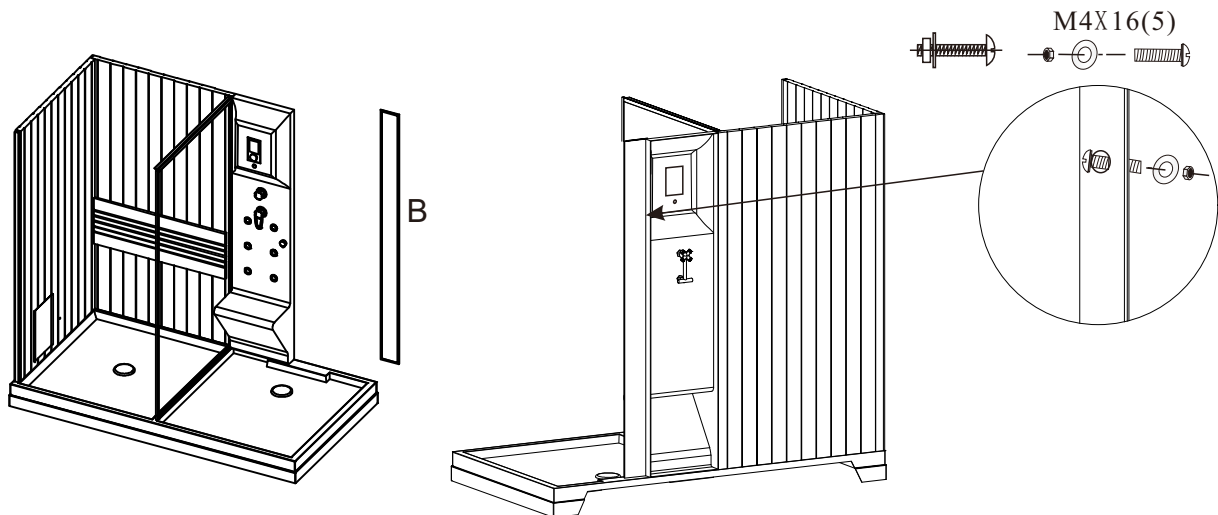
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Step 6: Base Fastening with Screws & Washers

Secure the assembly to the base using **(2) M6×25 machine screws**, with plastic washers installed as shown in the diagram to distribute pressure and prevent leaks.

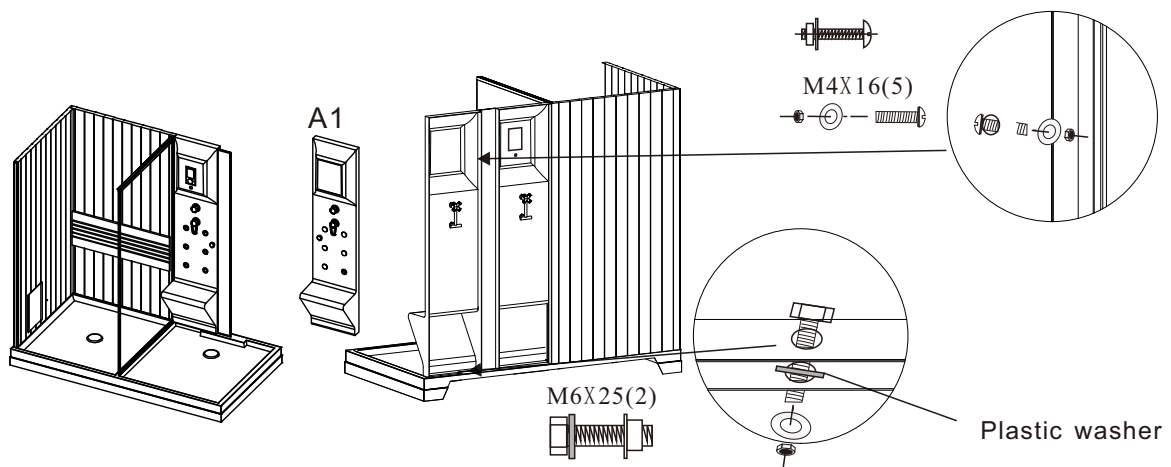
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Step 7: Side Panel B Installation & Fastening

1. Position side panel B into the assembly.
2. Fasten the aluminum frame and acrylic back panel together using **(5) ST4×40 self-tapping screws** and **M4×16 machine screws with washers**.
3. **Installation Tip:** Apply glass adhesive between panel B and the base tray to improve waterproofing and stability.

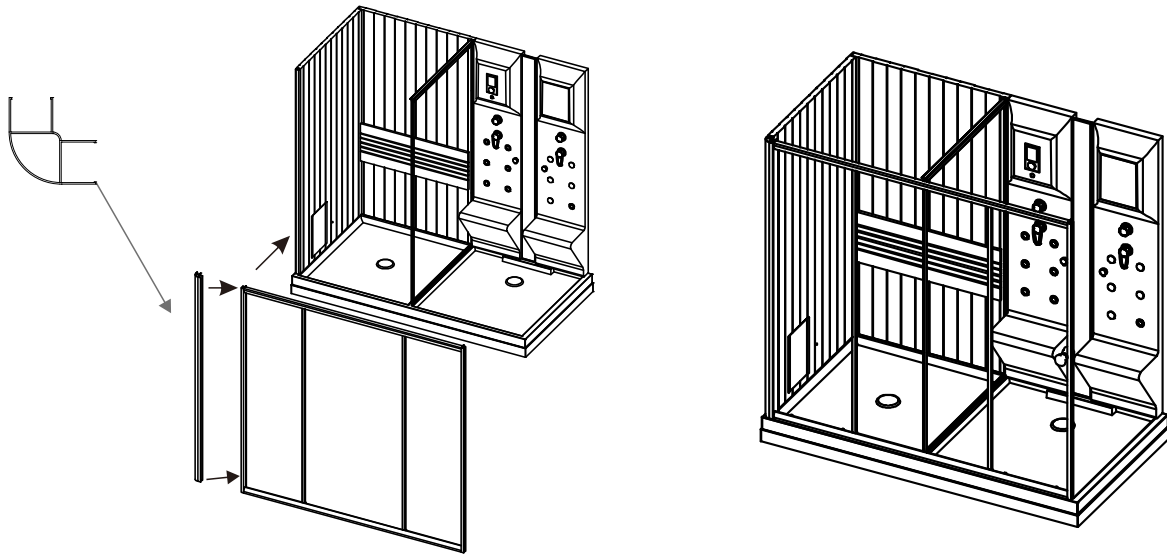
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Step 8: Control Panel A1 Installation & Base Securing

1. Mount control panel A1 onto the assembly.
2. Secure the aluminum frame and acrylic back panel with **(5) ST4×40 self-tapping screws** and **M4×16 machine screws with washers**.
3. Fasten the assembly to the base tray using **(2) M6×25 machine screws with plastic washers**, as shown in the diagram, to distribute pressure and prevent leaks.
4. **Installation Tip:** Apply glass adhesive between panel A1 and the base tray to enhance the seal.

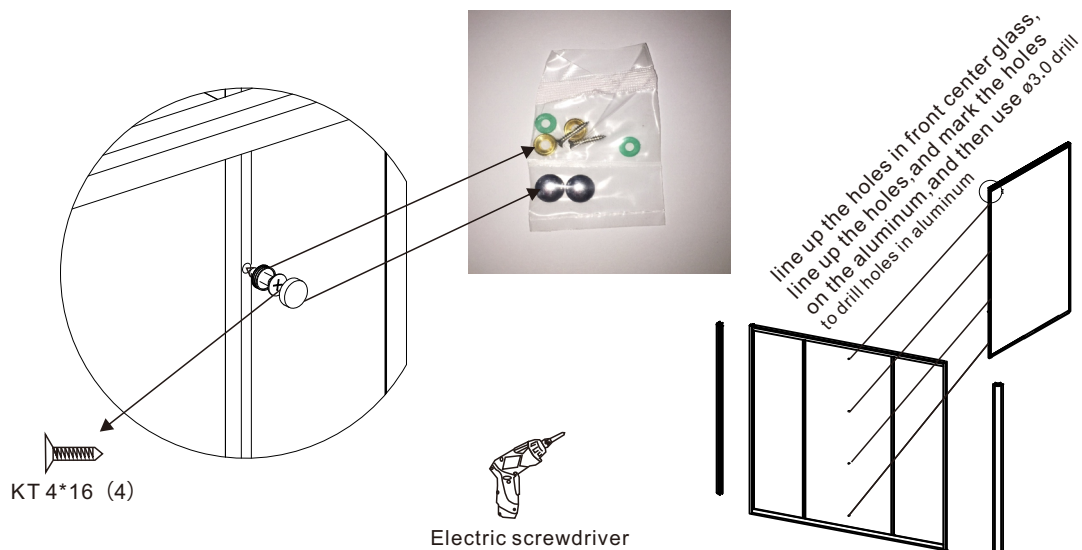
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Step 9: Glass Door Frame Installation

1. Position the front glass door frame into the main assembly, aligning it with the corner profile as shown.
2. Ensure the frame is square and flush before proceeding with fastening.

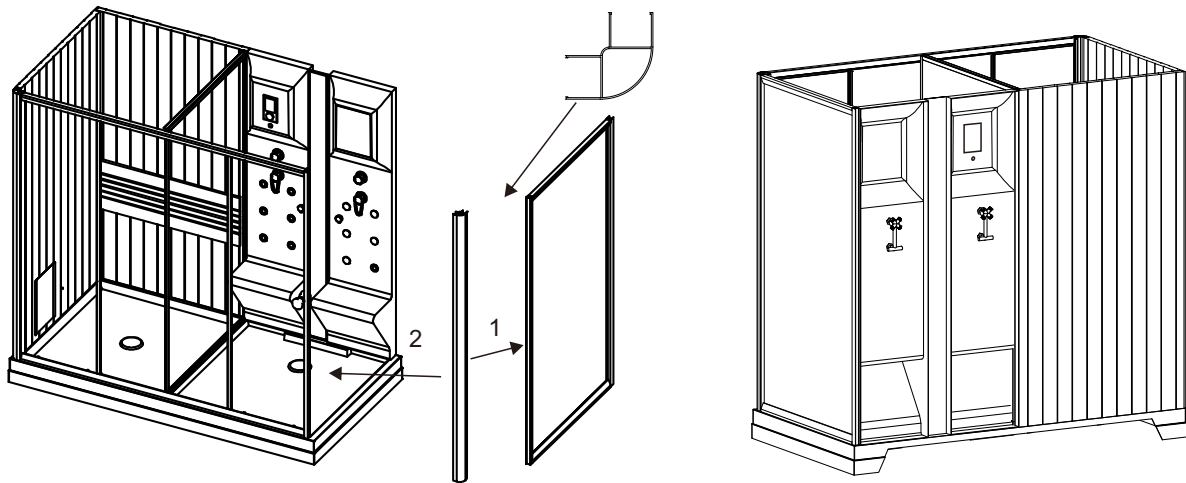
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Step 10: Glass Panel Fastening

1. Align the holes on the front center glass panel with the holes on the aluminum profile.
2. Mark the hole positions on the aluminum, then use an electric drill to pre-drill pilot holes at the marked locations.
3. Secure the glass panel to the aluminum frame using **(4) KT4×16 flat-head self-tapping screws** and the included washers/fittings from the accessory bag, using an electric screwdriver.

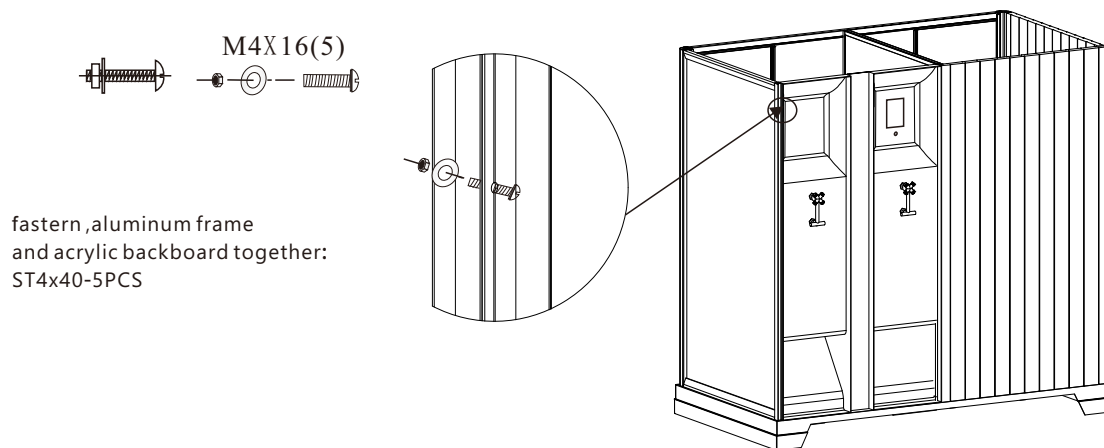
11



Step 11: Rear Panel Installation

1. Position the rear panel (glass/wooden) and the corresponding vertical profile into the main assembly, following the numbered sequence in the diagram.
2. Align the panel with the corner profile and base tray to ensure it is square and flush.

12



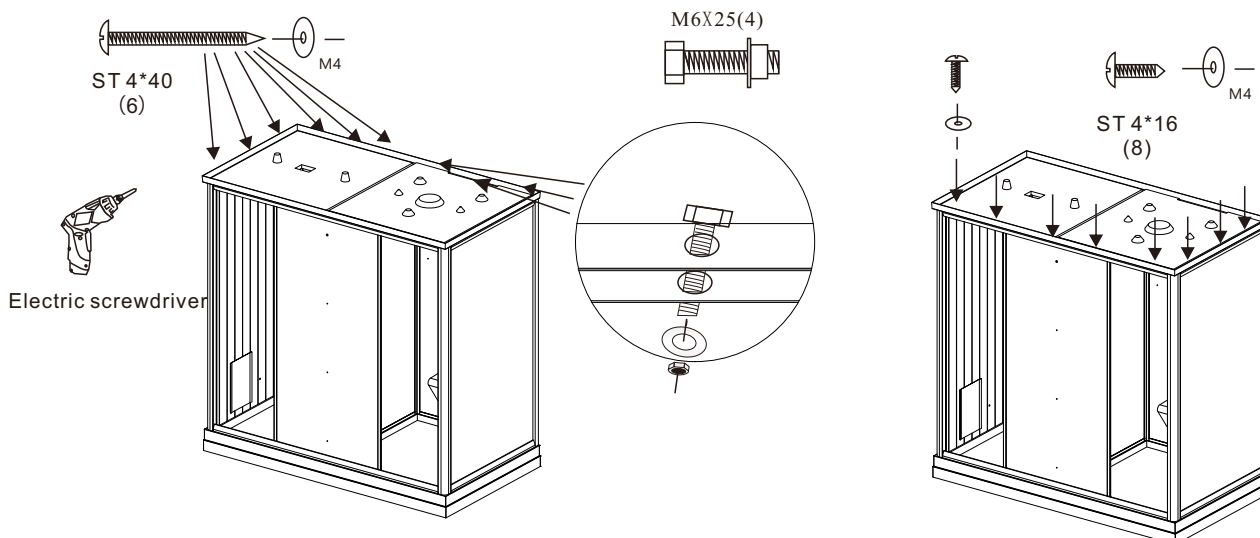
Step 12: Frame & Back Panel Fastening

Secure the aluminum frame and acrylic back panel together using:

- (5) **ST4×40 self-tapping screws**
- (5) **M4×16 machine screws with washers**

Align the holes as shown, then fasten the components with an electric screwdriver.

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Step 13: Top Panel Fastening

1. Fasten the top panel to the main structure using the following hardware:

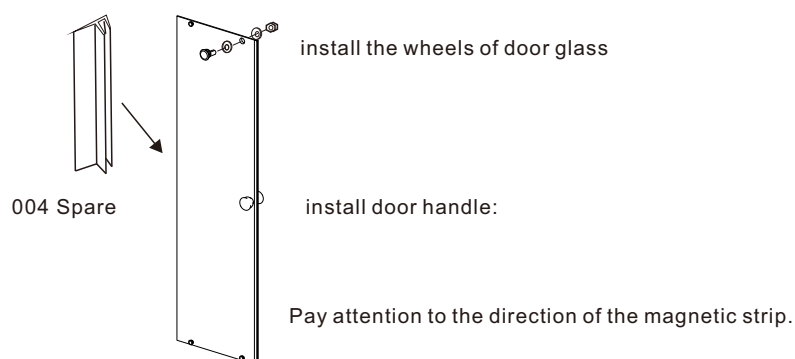
(5) ST4×40 self-tapping screws with M4 washers

(4) M6×25 machine screws with washers (installed from below, as shown)

(8) ST4×16 self-tapping screws with M4 washers

2. Use an electric screwdriver to secure all fasteners evenly, ensuring the top panel is flush and level.

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Step 14: Glass Door Assembly

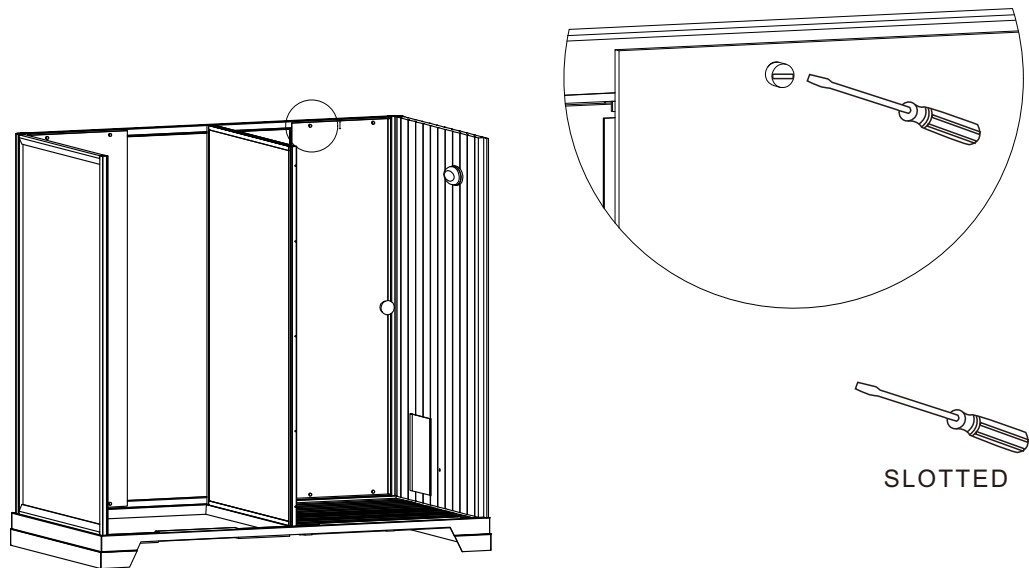
1. Install the **door rollers (wheels)** onto the glass door panel.

2. Attach the **door handle** to the glass door.

3. Install the **004 spare profile** to the door edge.

4. **Important:** Pay close attention to the orientation of the magnetic sealing strip to ensure proper door closure and sealing.

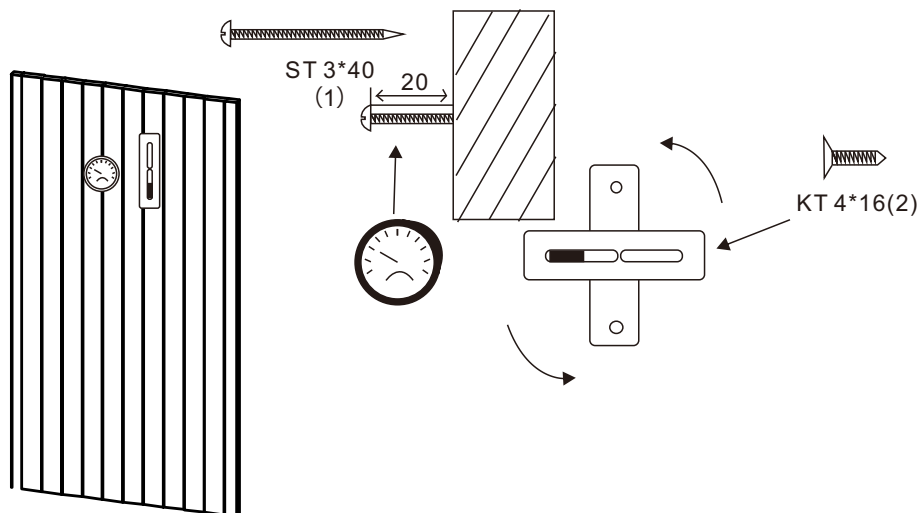
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Step 15: Glass Door Installation & Adjustment

1. Hang the assembled glass door onto the top track.
2. Use a slotted screwdriver to adjust the door rollers/pulleys to balance the door, ensuring it slides smoothly and remains level.

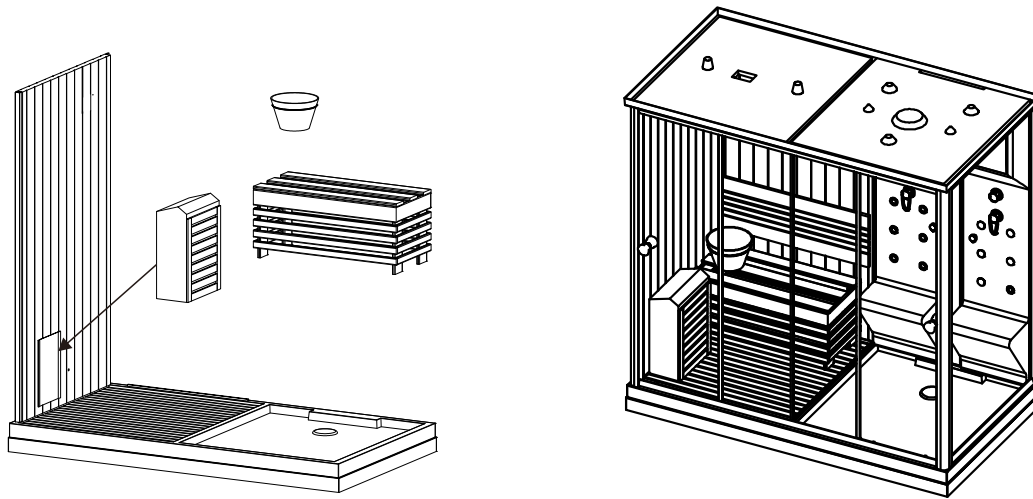
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Step 16: Accessory Installation

1. Mount the accessories (e.g., moisture meter/hourglass) on the wooden panel at your preferred location.
2. Secure the accessory bracket using:
 1. **(1) ST3×40 self-tapping screw**
 2. **(2) KT4×16 flat-head self-tapping screws**
3. Align and fasten the components as shown in the diagram to ensure a secure fit.

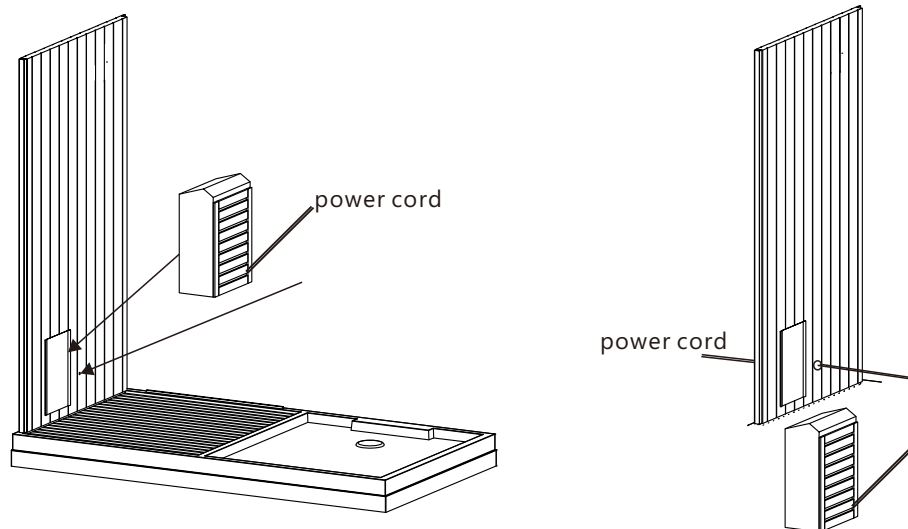
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Step 17: Sauna Accessories Installation

1. Place the sauna heater, wooden bench, bucket, and spoon inside the cabin as shown.
2. Confirm all accessories are securely positioned and ready for use.

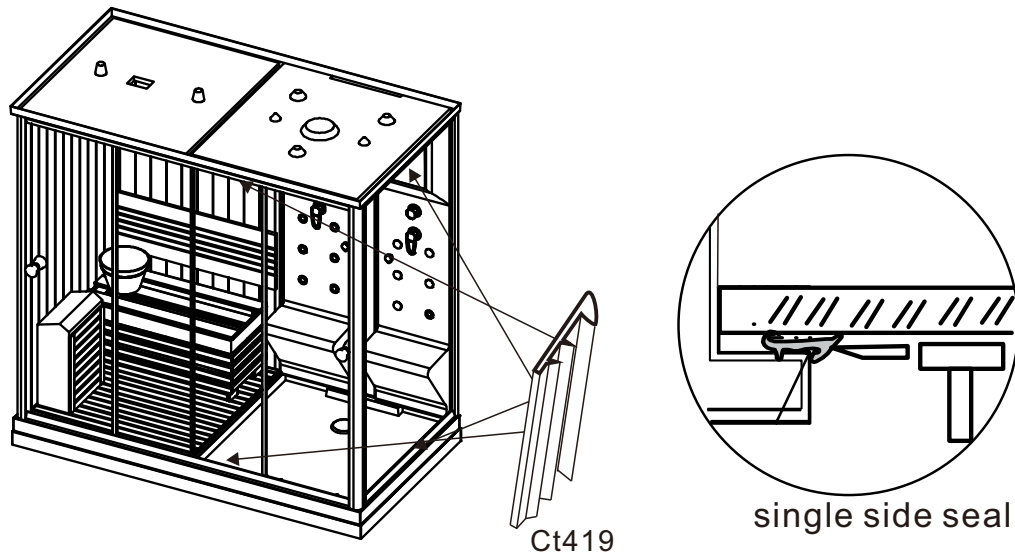
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Step 18: Heater Power Connection

1. Route the heater's power cord through the pre-cut opening in the cabin wall.
2. Connect the heater to the power supply according to the wiring diagram and local electrical codes.
3. Ensure the power cord is properly secured and not pinched between panels.

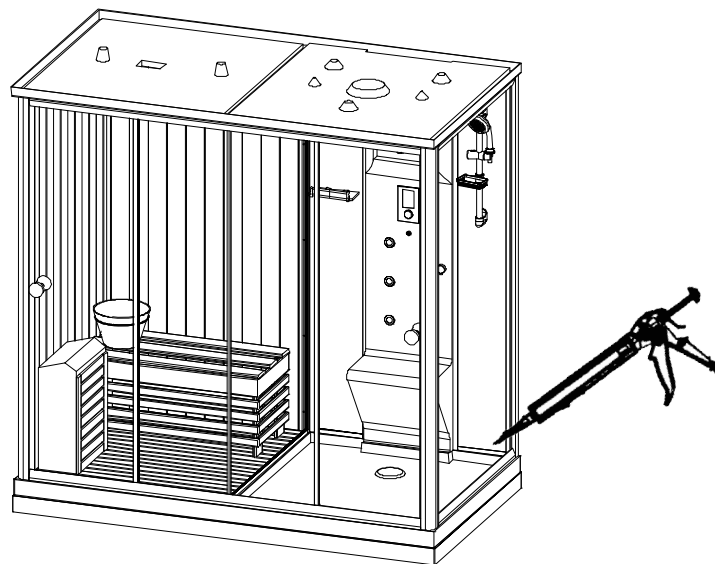
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Step 19: Install the CT419 Single-Sided Seal Profile

1. Attach the **CT419 single-sided seal profile** to the edge of the glass door/panel as shown in the diagram.
2. Ensure the seal is aligned properly to form a watertight barrier between the door and the cabin frame.

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Step 20: Apply Silicone Sealant

1. Apply silicone sealant to all critical joints (base tray, glass panels, and frame connections) to prevent leaks under high water pressure.
2. Smooth the sealant evenly and allow it to cure fully before use, following the sealant manufacturer's instructions.

Step: Electrical Connection (Wiring the Control Box)

1. Connect the components to the control box by matching each connector to its corresponding device:

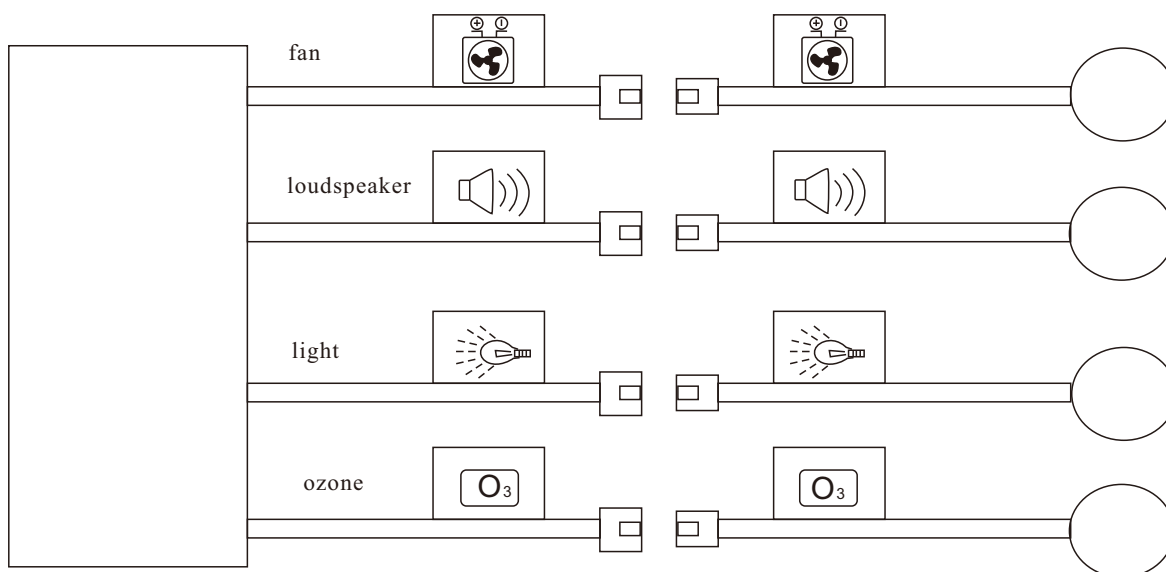
Fan connector → Fan unit

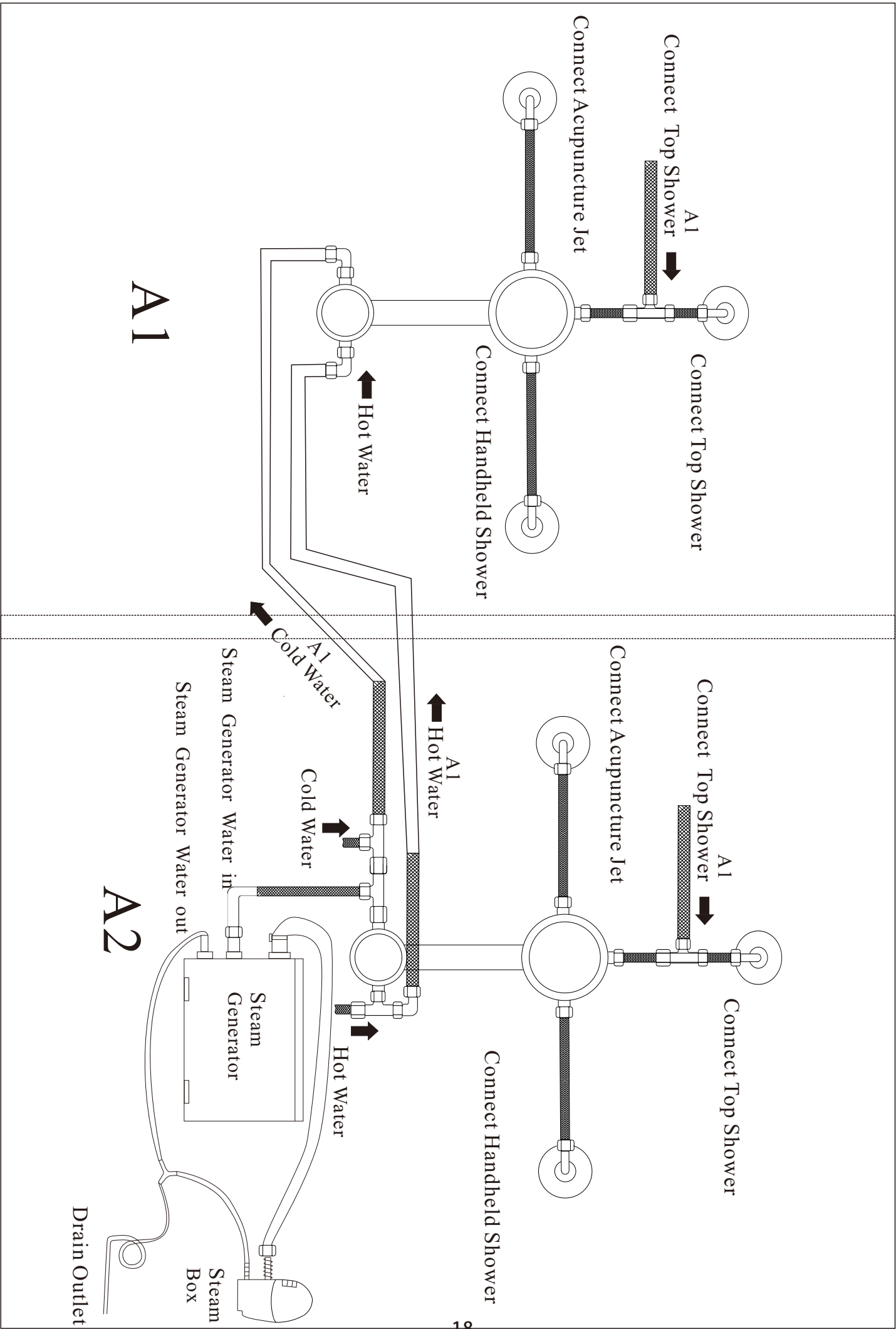
Loudspeaker connector → Speaker

Light connector → Light fixture

Ozone generator connector → Ozone unit

2. Ensure each plug is fully seated and securely locked to prevent loose connections.





V. Electricity and Water Supply Installation

01. Installation Qualifications & Safety

- Install the product strictly in accordance with the model-specific installation instructions.
- Installation must be performed by a **qualified electrician**.
- Ensure all water and electrical parameters meet specifications, and the protective ground connection is fully functional.
- The manufacturer accepts no liability for accidents or injuries caused by improper installation or operation.

02. Hot & Cold Water Connections

- When facing the unit, connect the **cold water hose** to the right side of the mixing valve, and the **hot water hose** to the left side.
- Color coding: The blue hose is for cold water; the red hose is for hot water.
- For user convenience, the hot/cold water mixing valve may be installed at a suitable, accessible location.

03. Additional Water Hose Connections

- Connect all other water hoses strictly according to the instructions.
- **Do not cut or modify hoses**, and avoid cross-connecting lines.

04. Wiring Connections

- Ensure all wiring connections between the control box and functional components are firm and secure.
- Prevent water leakage at hose connections.
- Follow the wiring diagram exactly to avoid damage to electrical components from incorrect connections.

05. Power Supply Requirements

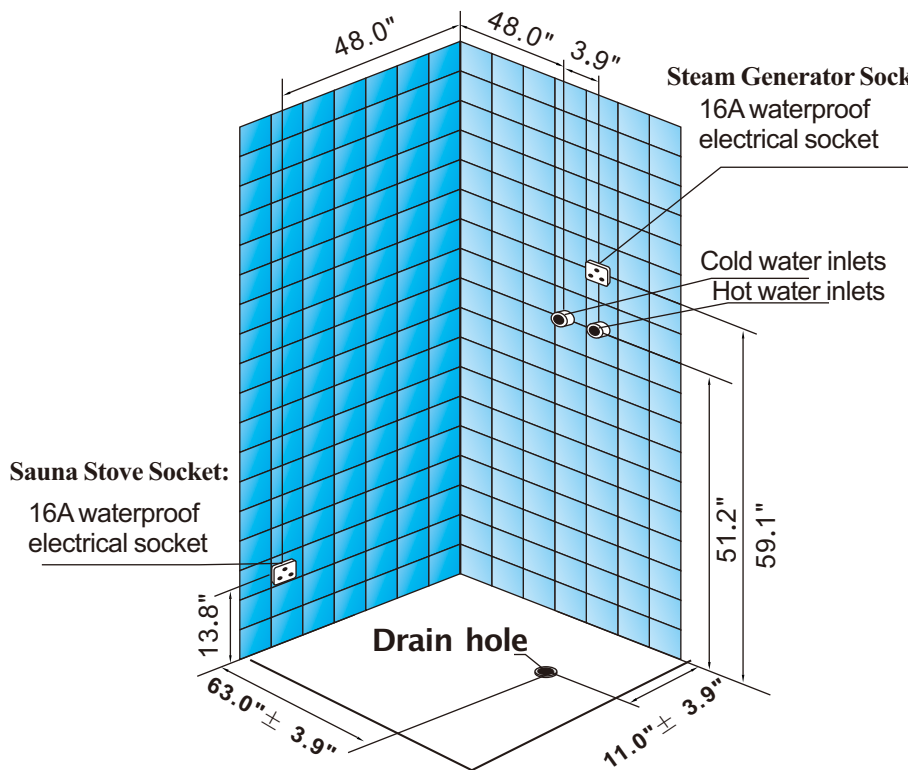
- The unit must be connected via **fixed wiring** to an independent circuit.
- Install a dedicated **16A waterproof electrical socket** for the steam generator.
- Wiring specifications: Use **BV 3×4mm² copper cables** (with simultaneous neutral and live wire switching).
- This circuit **must not be shared** with other electrical appliances.
- Use PVC-insulated copper cables. All wiring passing through walls must be protected with conduit/covers.

Notice Before connecting power, the electrician must inspect the user's power supply and verify that the protective ground wire is reliable. If the ground connection is not reliable, the ground wire must be properly earthed before connecting the socket to the appliance.

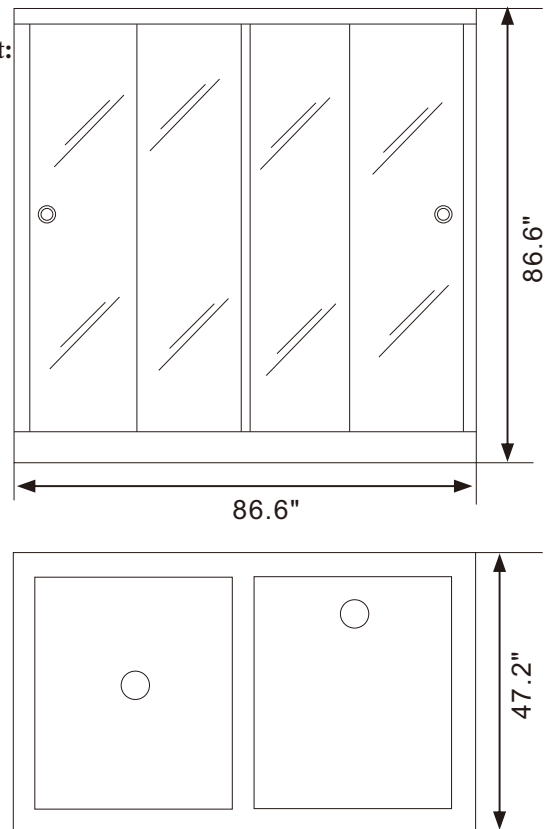
Steam Room Installation

Model: U881DP(L)

Dimensions: 86.6" × 47.2" × 86.6" (2200 × 1200 × 2200 mm)



Three-dimensional
installation diagram



Plane diagram

1. Water Supply Requirements

- . Provide one **galvanized pipe** each for hot and cold water connections.
- . Install both supply lines at a height of **39.4" (1000 mm)** above finished floor level.
- . Install a **1/2" (DN15) shut-off valve** on both hot and cold lines.
- . Operating water pressure must be maintained between **29 psi (0.2 MPa) and 58 psi (0.4 MPa)**.

2. Power Supply Requirements

- . **Steam Generator:** 3 kW / 220–240 V / 50 Hz
- . **Sauna Stove:** 3 kW / 220–240 V / 50 Hz, single-phase, 3-wire system
- . Wiring specifications: Use **12 AWG (3×4 mm²) copper cable** (PVC insulated).
- . Install a **16A waterproof electrical socket** at a height of **59.1" (1500 mm)** above finished floor level.
- . Connect both the steam generator and sauna stove power lines to this dedicated circuit.
- . Ensure a reliable protective ground connection is available, and connect the **yellow-green ground wire** to the designated terminal.

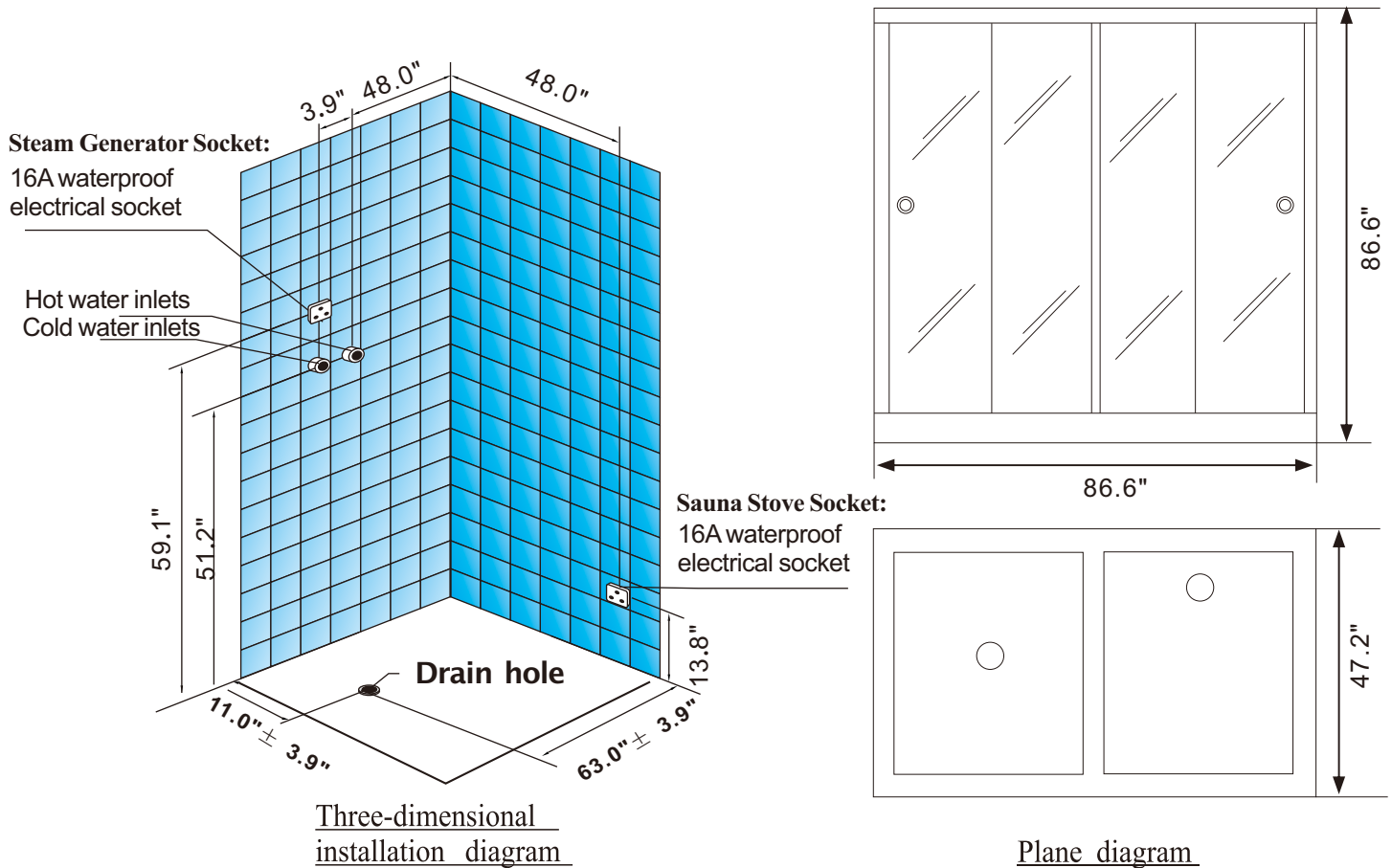
3. Water Drainage Requirements

- . The floor drain opening must be a minimum of **2" (Dn50)**.
- . Install the drain outlet according to the installation drawing.
- . **Do not** install the unit such that the tray/bathtub drain outlet is blocked or dead-ended.

Steam Room Installation

Model: U881DP(R)

Dimensions: 86.6" × 47.2" × 86.6" (2200 × 1200 × 2200 mm)



1. Water Supply Requirements

- . Provide one **galvanized pipe** each for hot and cold water connections.
- . Install both supply lines at a height of **39.4" (1000 mm)** above finished floor level.
- . Install a **1/2" (DN15) shut-off valve** on both hot and cold lines.
- . Operating water pressure must be maintained between **29 psi (0.2 MPa) and 58 psi (0.4 MPa)**.

2. Power Supply Requirements

- . **Steam Generator:** 3 kW / 220–240 V / 50 Hz
- . **Sauna Stove:** 3 kW / 220–240 V / 50 Hz, single-phase, 3-wire system
- . Wiring specifications: Use **12 AWG (3×4 mm²) copper cable (PVC insulated)**.
- . Install a **16A waterproof electrical socket** at a height of **59.1" (1500 mm)** above finished floor level.
- . Connect both the steam generator and sauna stove power lines to this dedicated circuit.
- . Ensure a reliable protective ground connection is available, and connect the **yellow-green ground wire** to the designated terminal.

3. Water Drainage Requirements

- . The floor drain opening must be a minimum of **2" (Dn50)**.
- . Install the drain outlet according to the installation drawing.
- . **Do not** install the unit such that the tray/bathtub drain outlet is blocked or dead-ended.

