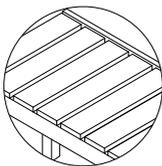
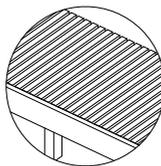


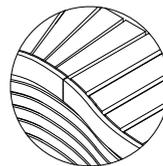
A Generic Sauna Room Assembly Manual



Classic Bench



Piano Bench



Wave Bench

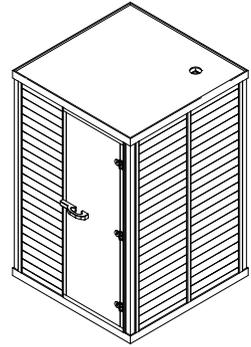
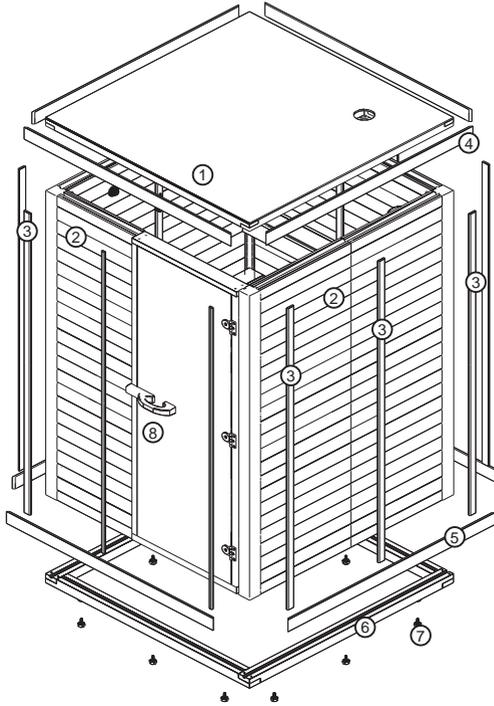
TABLE OF CONTENT

Parts List Exterior and Interior	3
Parts List Interior	
L-type Bench.....	4
Wave-type Bench	5
Screws for Room Exterior and Interior	6
Wall Assembly	7
Ceiling Assembly	9
Moulding Installation Sequence	10
Interior	
Furnishes Assembly.....	12
Wall Thickener Location	14
Bench Support	15
Bench Covers.....	16
Electrical Layout	17
Standard Sauna Accessories (Installation Guide)	
Heater Control (outside and inside sauna room)	19
Sand Timer	20
Sauna Light	20
Thermo-Hygrometer.....	21
Signage - Sauna	22
Sauna Maintenance	23

NOTE!

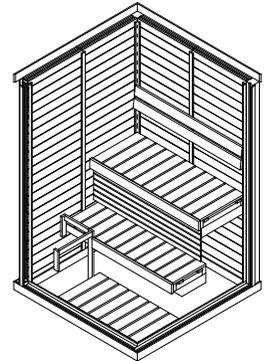
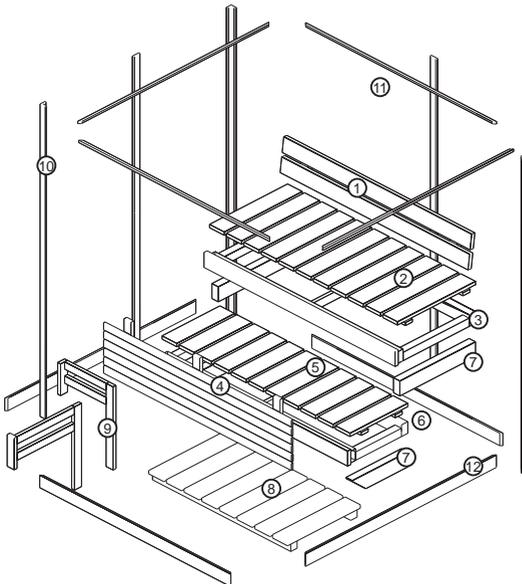
Warranty does not cover damages resulting from installation, use, or maintenance that does not follow the guidelines in this manual. For warranty questions, please contact your retailer.

Parts List Exterior



1. Ceiling Assembly
2. Wall Elements
3. Exterior Mouldings
4. Top Exterior Mouldings
5. Bottom Exterior Mouldings
6. Base Frame
7. ABS Bolt Leveler
8. Door Set

Parts List Interior

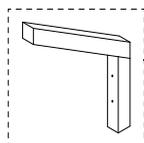


1. Back Rest
2. Upper Bench Cover
3. Upper Bench Frame
4. Bench Siding
5. Lower Bench Cover
6. Lower Bench Frame
7. Bench Supports
8. Flooring
9. Collapsible heater guard
10. Interior Corner Mouldings
11. Internal Corner Mouldings - Ceiling
12. Bottom Horizontal Mouldings

Note: Above images are for illustrative reference only and may differ from actual item.

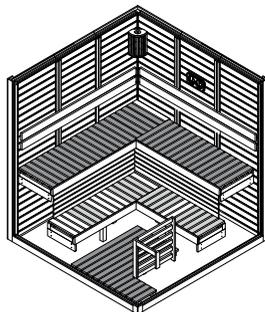
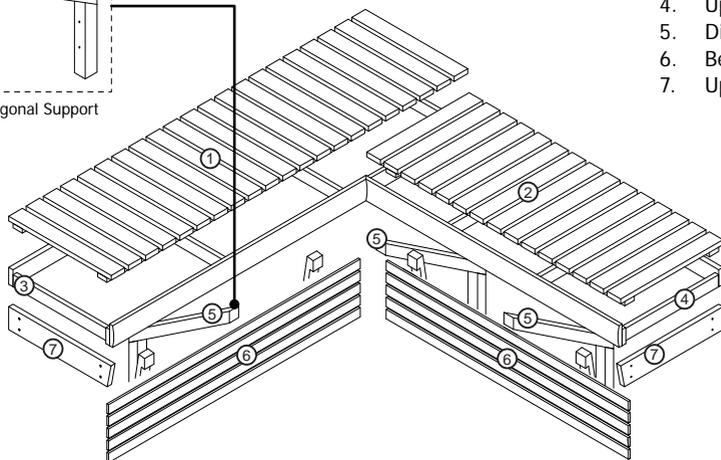
Parts List Interior (L-type Bench)

*For larger sauna room.



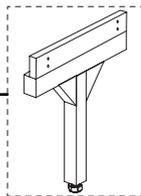
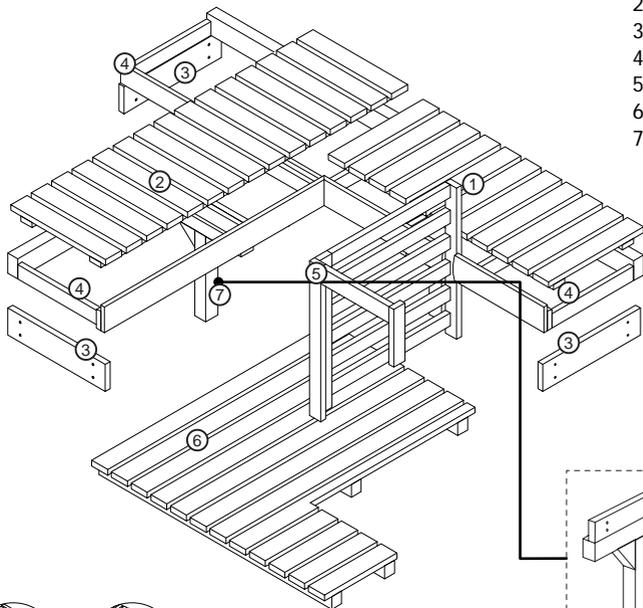
Diagonal Support

1. Upper Bench Cover A
2. Upper Bench Cover B
3. Upper Bench Frame A
4. Upper Bench Frame B
5. Diagonal Support
6. Bench Siding
7. Upper Bench Support



(L-type Lower Bench)

1. Lower Bench Cover A
2. Lower Bench Cover B
3. Lower Bench Support
4. Lower Bench Frame
5. Collapsible Heater guard
6. Sauna Flooring
7. T-Support



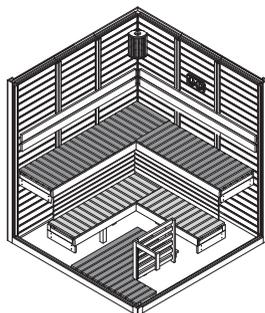
T-Support



Classic Bench

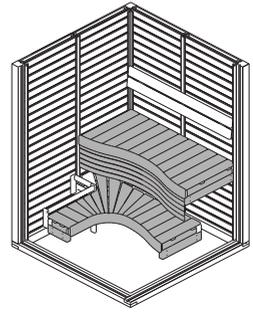
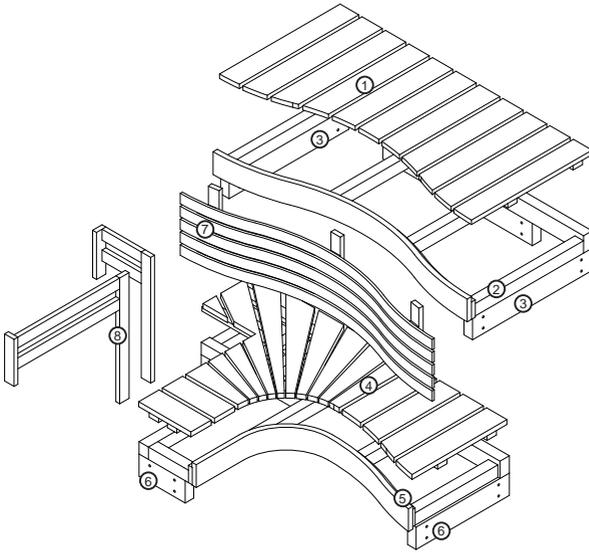


Piano Bench



Parts List Interior (Wave-type Bench)

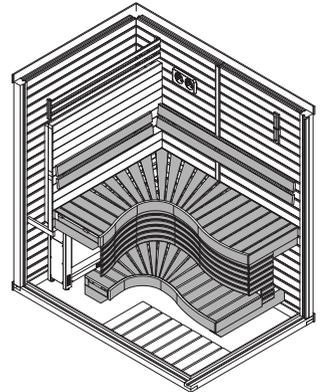
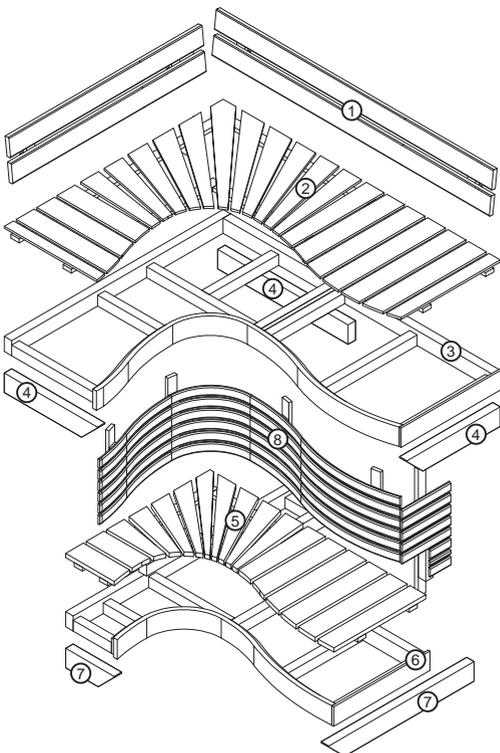
*For room with wave design benches.



1. Upper Bench Cover
2. Upper Bench Frame
3. Upper Bench Support
4. Lower Bench Cover
5. Lower Bench Frame
6. Lower Bench Support
7. Bench Siding
8. Collapsible heater guard

Parts List Interior (L-type Wave Bench)

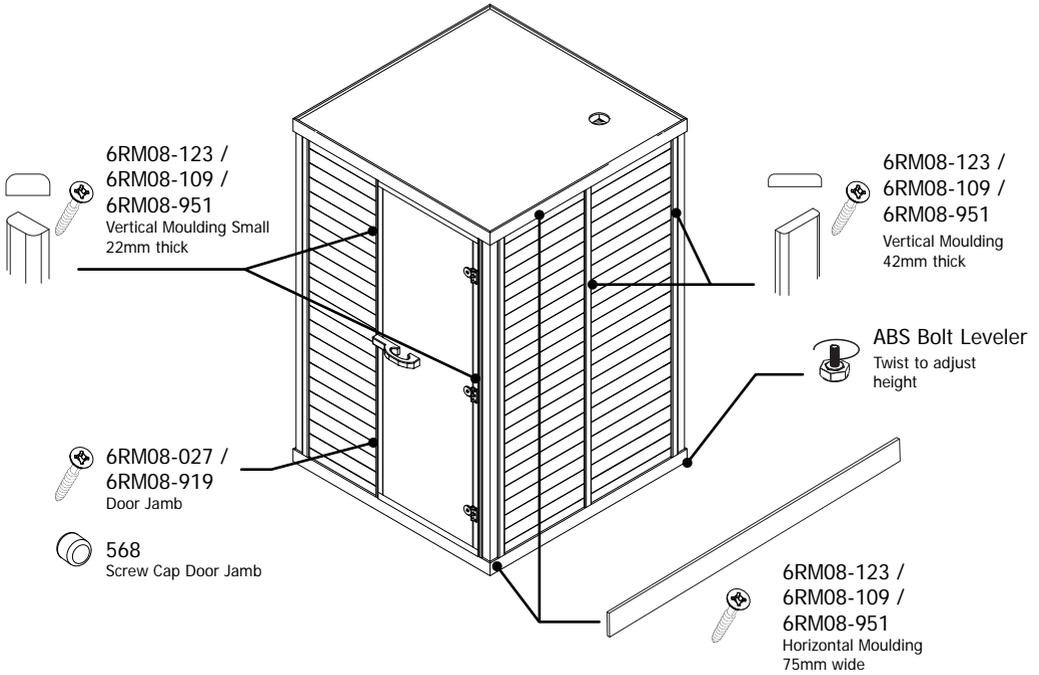
*For room with larger wave design benches.



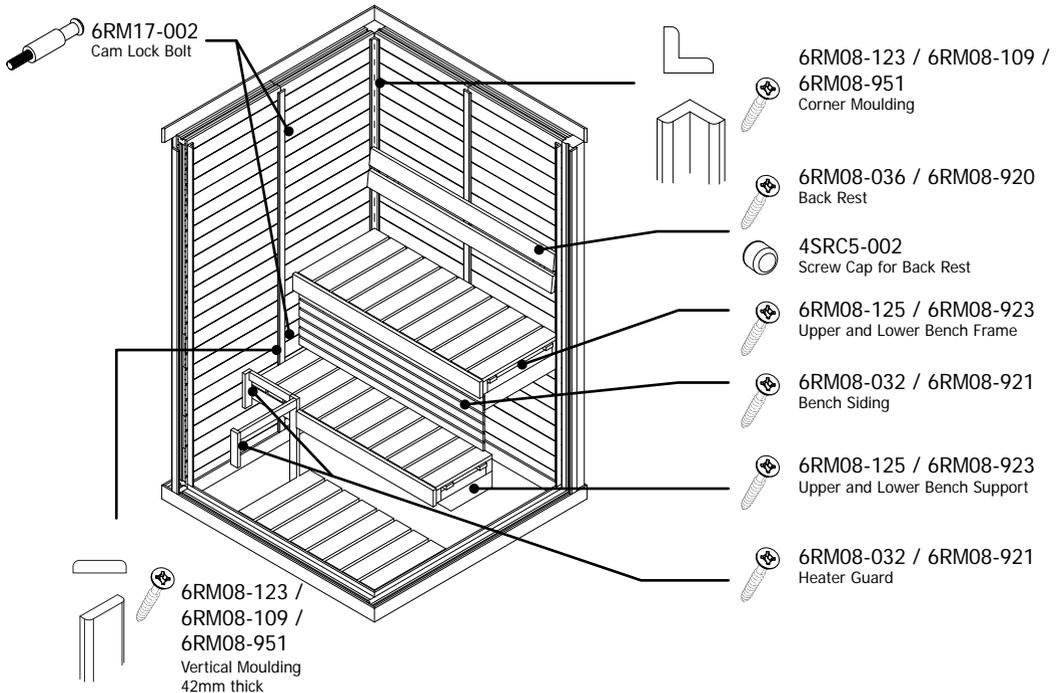
1. Back Rest
2. Upper Bench Cover
3. Upper Bench Frame
4. Upper Bench Support
5. Lower Bench Cover
6. Lower Bench Frame
7. Lower Bench Support
8. Bench Siding

Note: Above images are for illustrative reference only and may differ from actual item.

Screws for Room Exterior

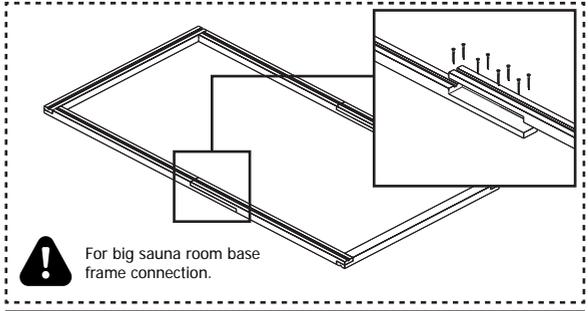
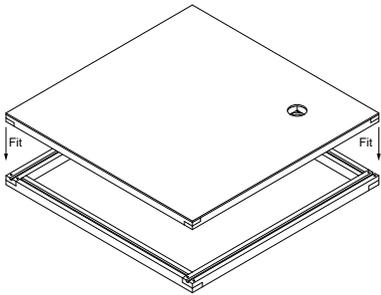
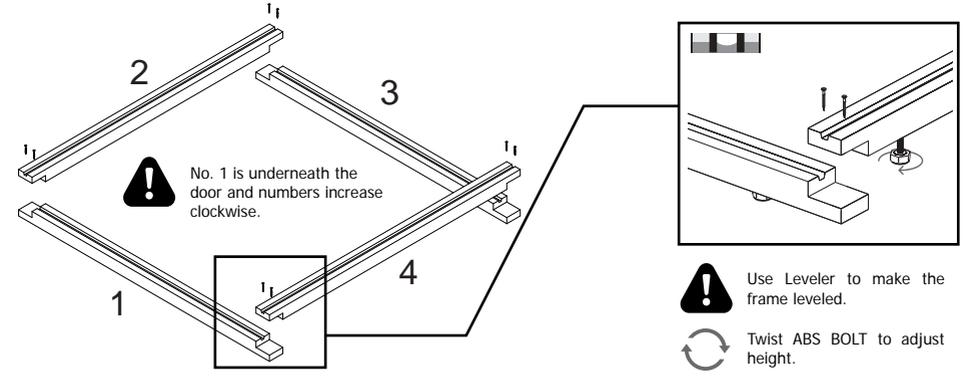


Screws for Room Interior



Base Frame Assembly

01 Connect base frames according to their corresponding numbers.



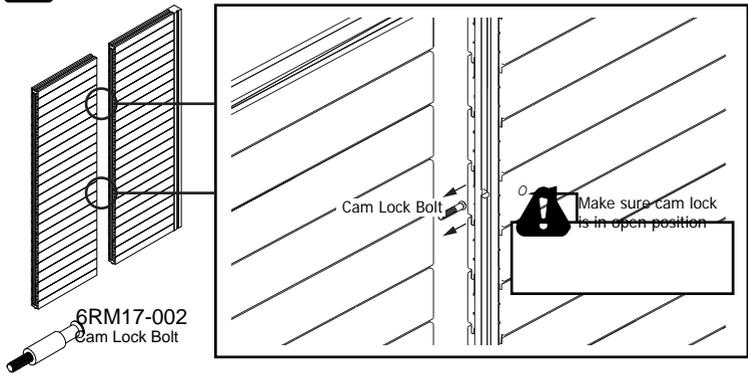
! Optional. After the base frame is leveled, fit in the ceiling assembly on the base frames to check if it fits nicely and leveled (great help after wall assembly).

! Do not seal the gap underneath the base frame. The gap is the passage way of the fresh air inside the sauna room.

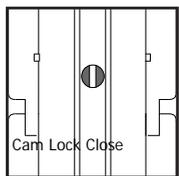
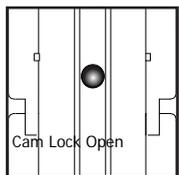
! Make sure the finish flooring where the sauna room will be placed is water proof with incline floor towards the drain.

Wall Assembly

02 Insert cam lock bolts on wall panels.



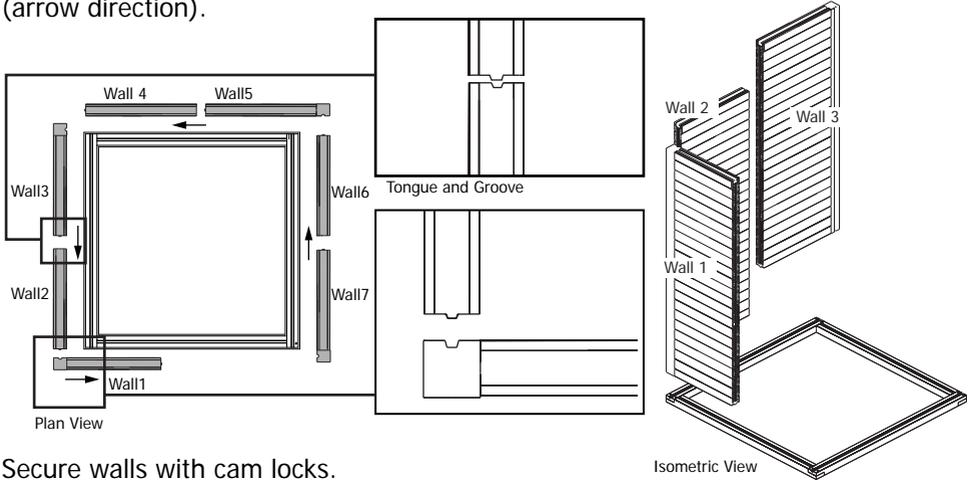
Side View



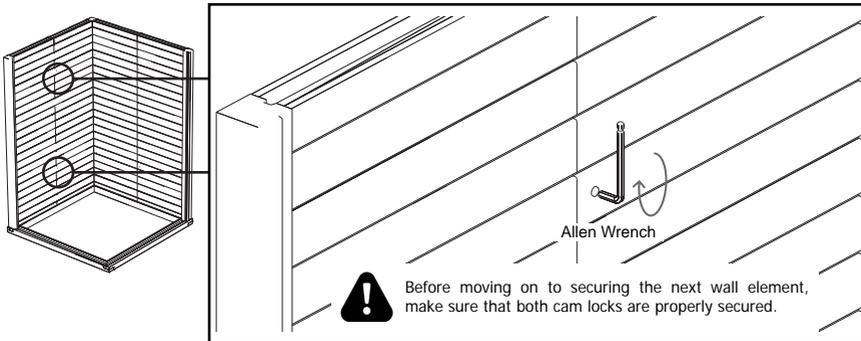
Note: Above images are for illustrative reference only and may differ from actual item.

Wall Assembly

03 Attach wall panels according to their label. Take note of the grooves direction (arrow direction).

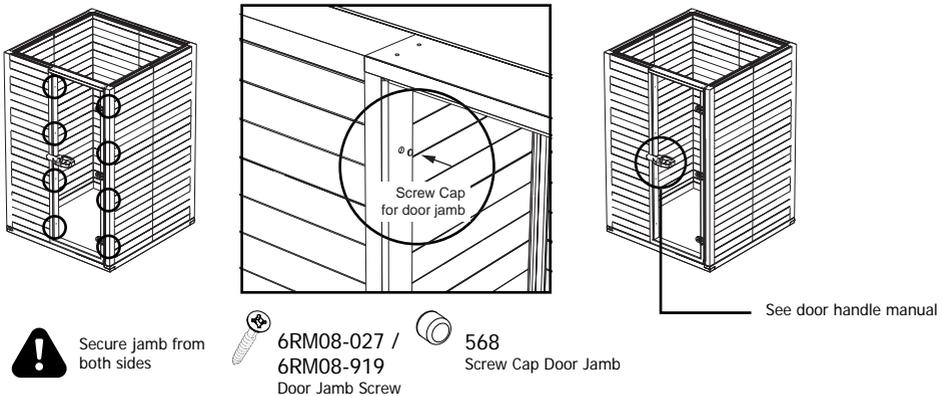


04 Secure walls with cam locks.



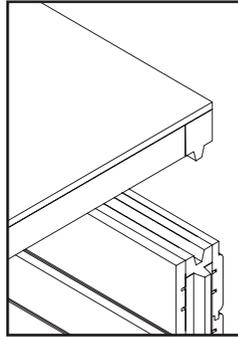
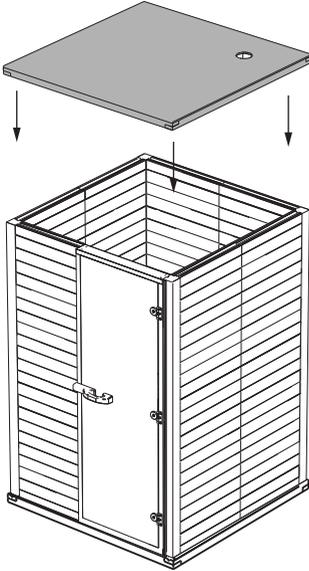
Door Assembly

05 Secure door jamb with screws then cover with screw caps.



Ceiling Assembly

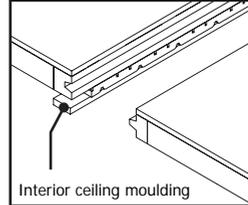
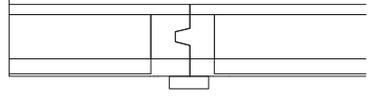
06 Attach ceiling assembly via tongue and Groove.



! Check that the ventilation hole is in the right position (refer to plan drawing for ventilation location).

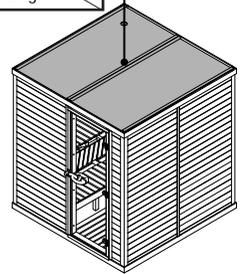
*Ceiling assembly for big sauna room (more than 1 ceiling)

Ceiling to ceiling connection side view

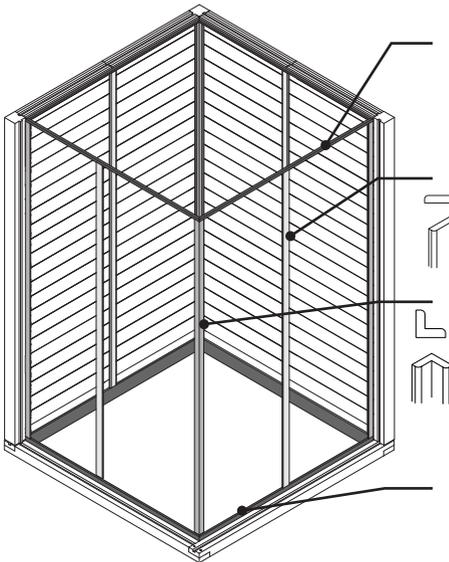


Interior ceiling moulding

+ 6RM08-123 /
6RM08-109 /
6RM08-951
Vertical Moulding
42mm thick



07 Attach all mouldings in sequence. (External, internal, top and bottom).



4 Internal top mouldings
6RM08-123 / 6RM08-109 /
6RM08-951 / 6RM08-952
Internal Top Moulding

3 Internal wall mouldings
6RM08-123 / 6RM08-109 /
6RM08-951 / 6RM08-952
Vertical Moulding
42mm thick

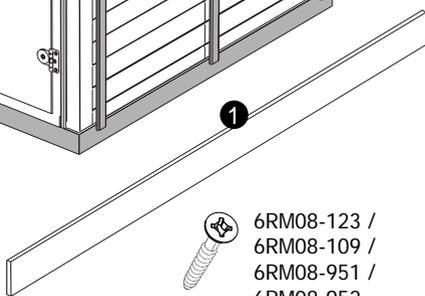
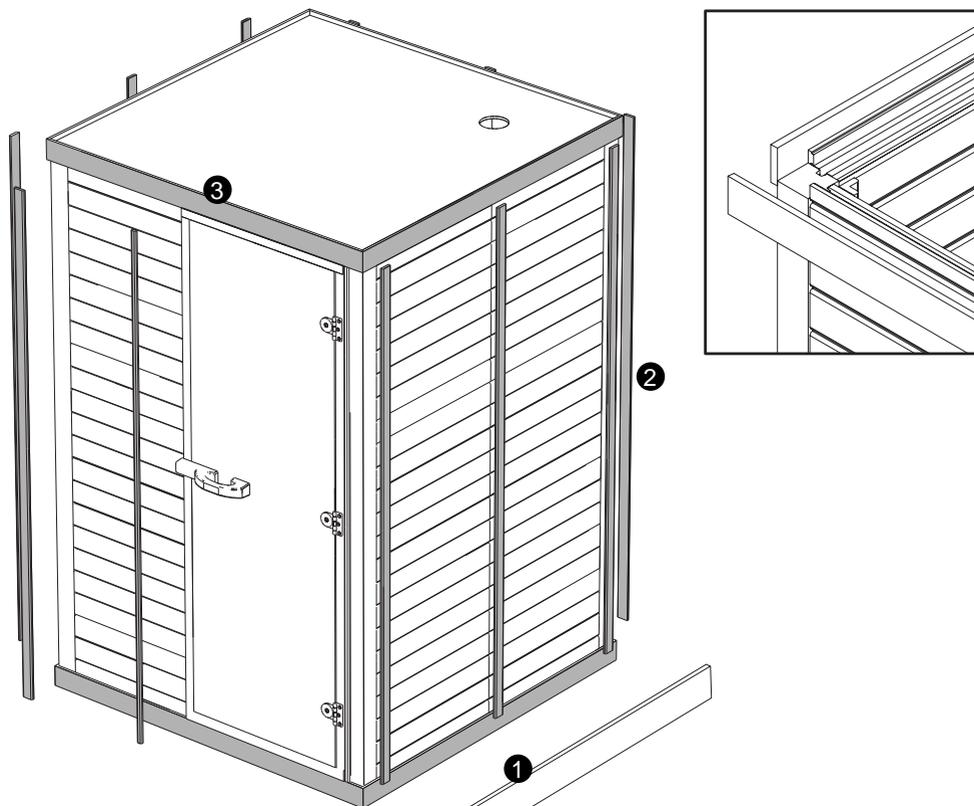
2 Internal corner mouldings
6RM08-123 / 6RM08-109 /
6RM08-951 / 6RM08-952
Corner Moulding

1 Internal horizontal bottom mouldings
6RM08-123 / 6RM08-109 /
6RM08-951 / 6RM08-952
Horizontal Moulding
75mm thick

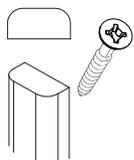
Note: Above images are for illustrative reference only and may differ from actual item.

Moulding Installation

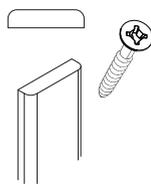
7.1 Attached all mouldings in sequence.
(1st bottom moulding, 2nd vertical moulding, & 3rd top moulding)



6RM08-123 /
6RM08-109 /
6RM08-951 /
6RM08-952
Horizontal Moulding
75mm wide



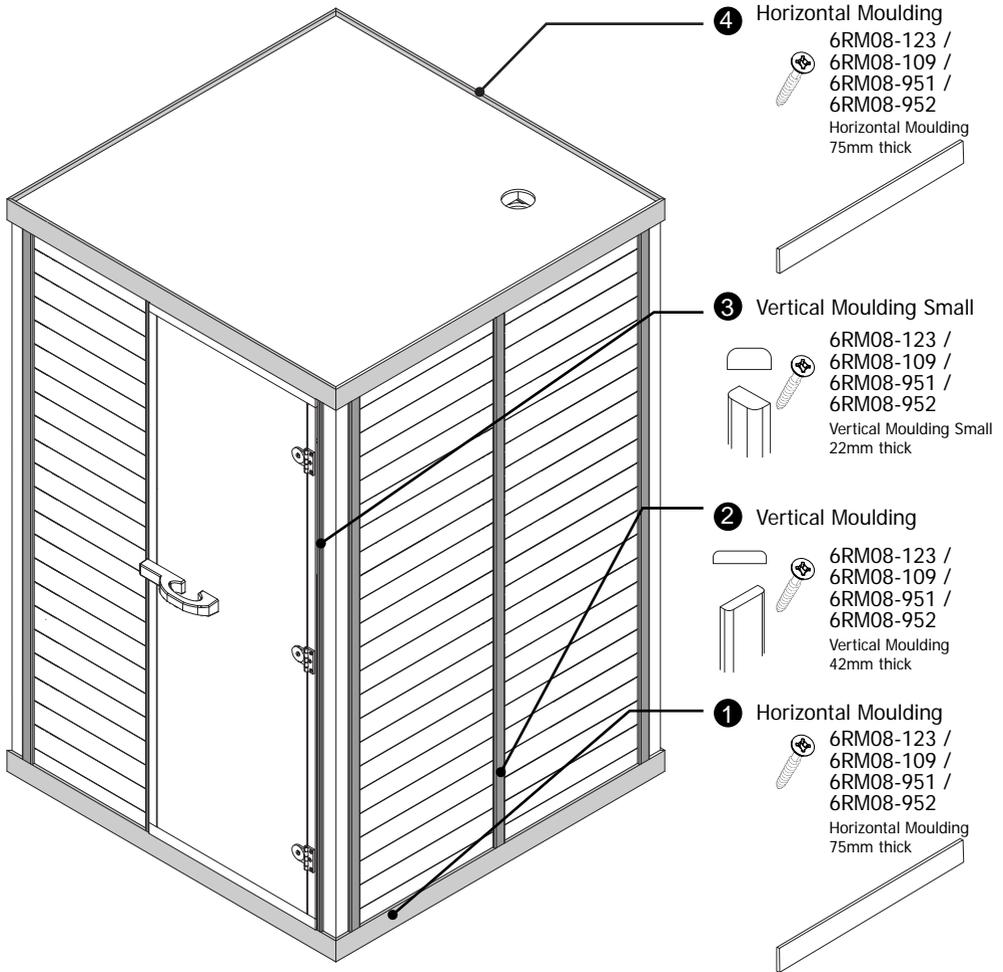
6RM08-123 /
6RM08-109 /
6RM08-951 /
6RM08-952
Vertical Moulding
Small 22mm thick



6RM08-123 /
6RM08-109 /
6RM08-951 /
6RM08-952
Vertical Moulding
42mm thick

! At this stage make sure all internal mouldings are attached as it will be hard to do once the benches are installed.

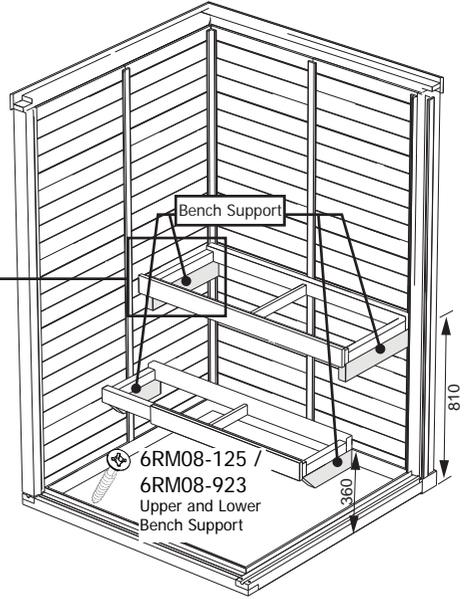
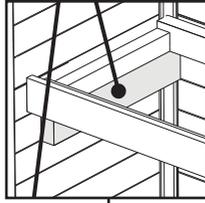
7.2 From the outside, follow the illustration sequence below.



Note: Above images are for illustrative reference only and may differ from actual item.

Interior Furnishes Assembly

08 Attach bench support at suggested height with screws, then place over the bench frame assembly and screw to wall.

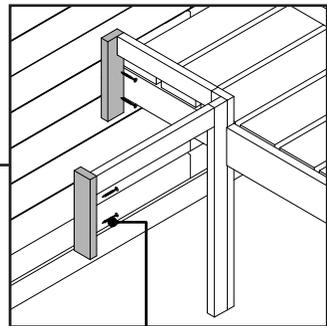
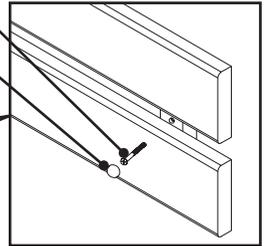
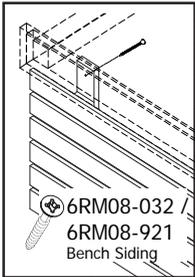


- If using wall mounted heater, make sure to install the mounting plates before installing the heater guard.
- Height dimensions should be taken in reference to the base frame. There are markers as well on the wall panels as reference for bench support mounting.
- Bench supports at each end of the bench should be installed as close to the back wall as possible or it will collide with the bench siding when it is installed.

09 Attach heater guard, back rest and bench siding.

6RM08-036 / 6RM08-920
Screw

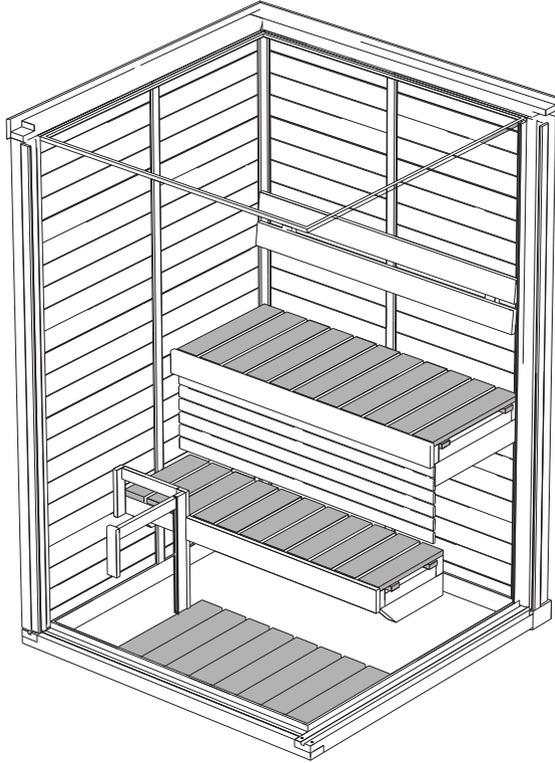
Screw Cap



6RM08-032 / 6RM08-921
Screw

Note: Above images are for illustrative reference only and may differ from actual item.

10 Attach top/lower bench covers and flooring.



Classic Bench



Piano Bench



Wave Bench

 On large sauna rooms, the flooring needs to be placed first as it will be hard to place inside once the bench supports are installed.

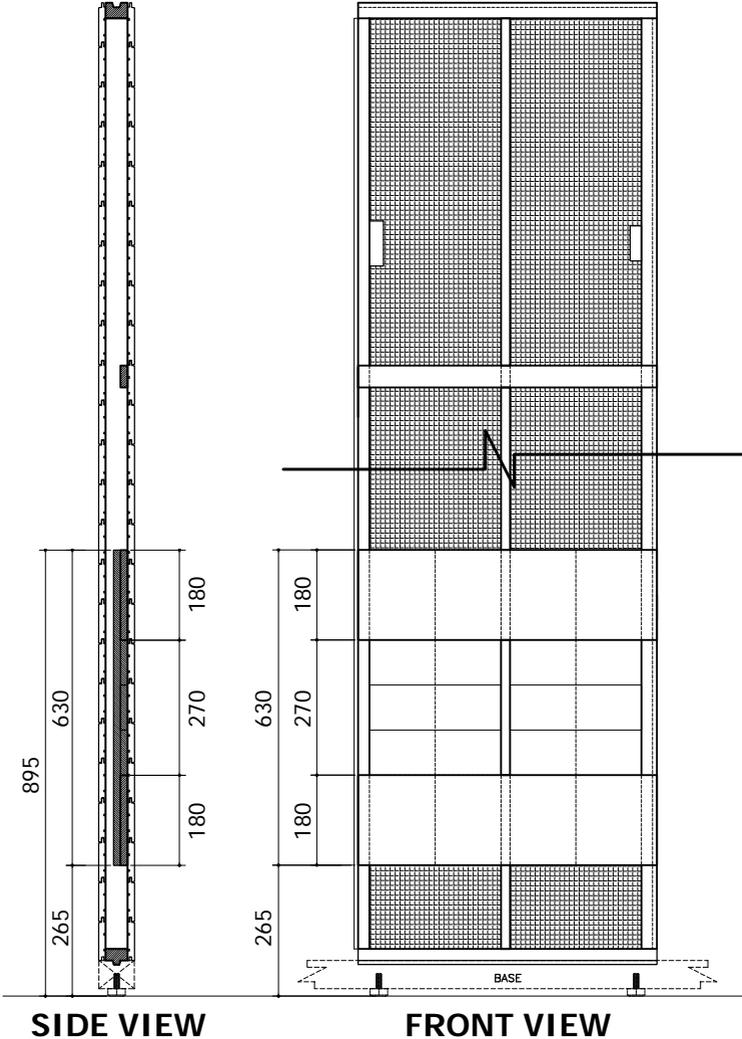
Wall Thickener Location



A wall thickener is a section of wall panels designed to support the installation of wall-mounted heaters and is applicable for wall-mounted heaters only.



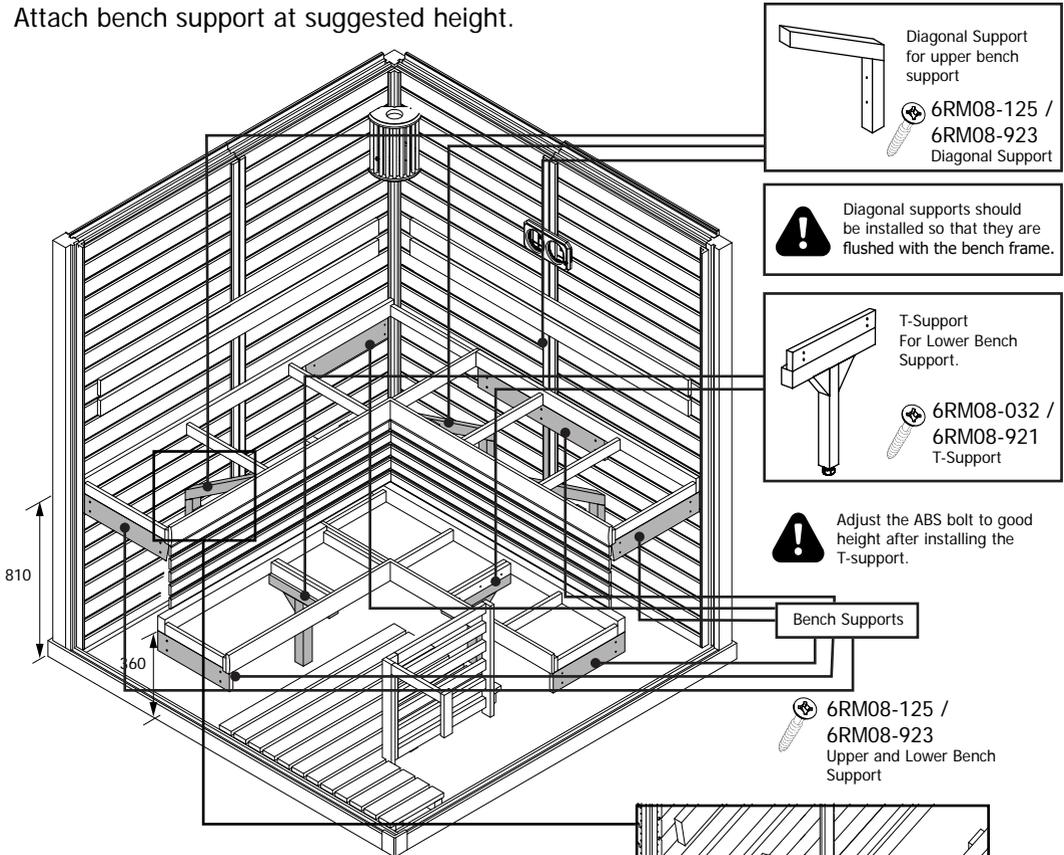
**TOP VIEW
(SECTION)**



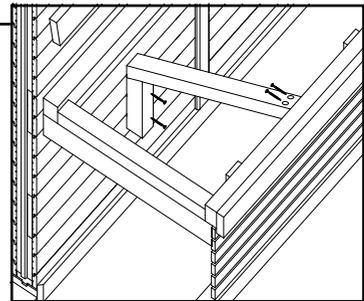
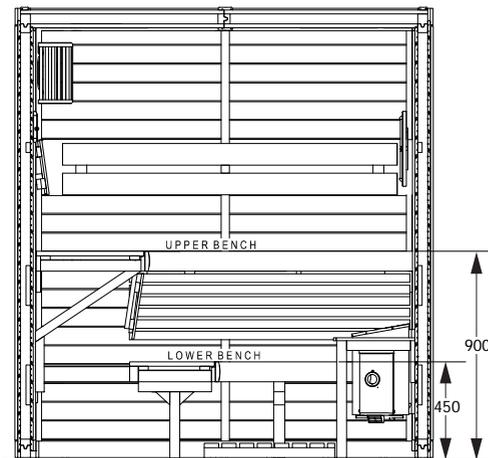
Interior Furnishes Assembly (Bench Support)

*For big sauna rooms

Attach bench support at suggested height.



Upper and lower bench heights.



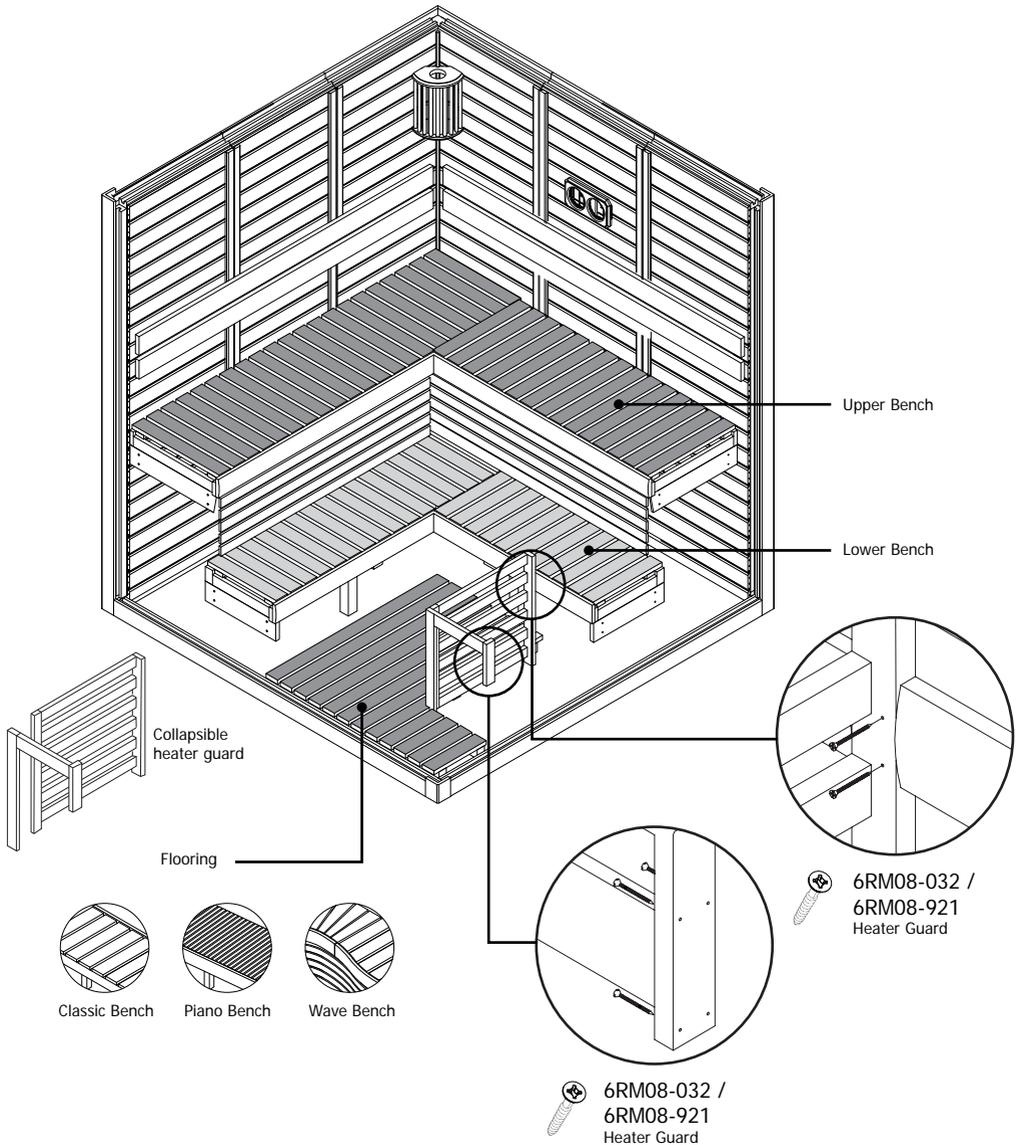
6RM08-125 / 6RM08-923 Diagonal Support

Note: Above images are for illustrative reference only and may differ from actual item.

Interior Furnishes (Bench Covers)

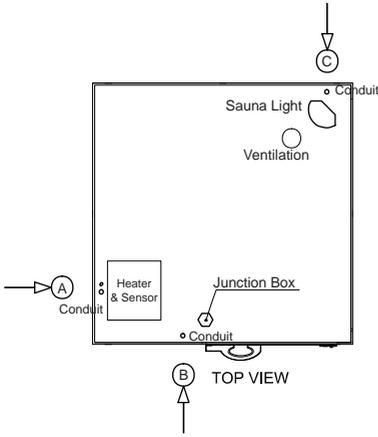
*For big sauna rooms

Attach upper and lower bench covers, then proceed with the heater guard. Lastly attached the flooring.



Electrical Layout

11 Electrical/Wiring locations.



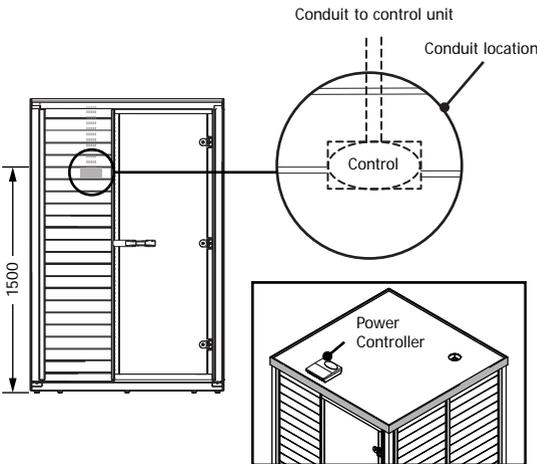
Electrical Conduit Locations:

- A. For heater and regulating sensor.
- B. For sauna light switch and heater control.
- C. For sauna light.

Wire Installation:

1. Install junction/utility box/power controller into the ceiling roof as indicated.
2. Insert wires into the electrical conduit designated for the sauna light switch (for NB heaters) or sauna control unit (for NS heaters).
3. Insert wires into the electrical conduit designated for the heater (see technical detail). Extra wire jacket is provided for hooking up single wires to the heater. Disregard the extra wire jacket if you are using a rubber cable that is specified in the heater's manual.
4. Tapping of wires will be done at the junction box.

12 Separate Control Installation (NS model heaters only)



A conduit pipe is provided for the control unit.

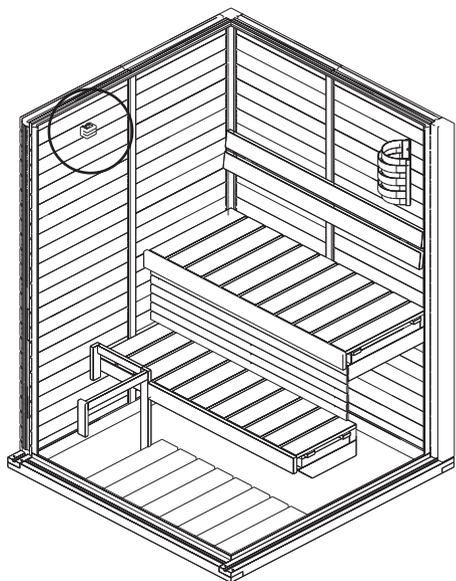
If wanting to flush the control unit into the wall, cut a hole according to your control unit's specifications. See heater control manual.

! Control unit must not be flushed to the wall, near or on the wall where the heater is installed. Use control unit interface holder if necessary.

You can hide the power controller on the top of the sauna room.

! Refer to heater control instruction manual for wiring connections.

13 Sensor Installation

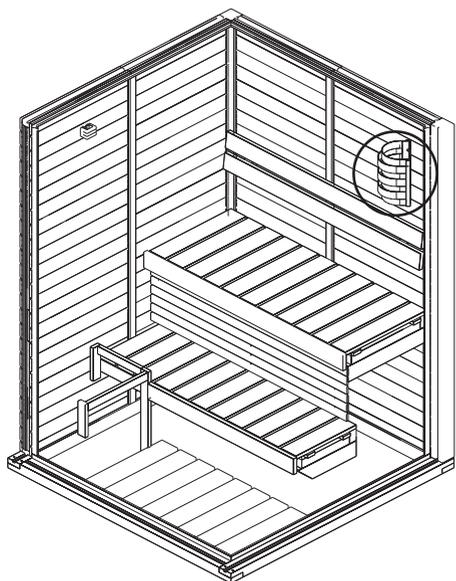


Note: Sensor installation is for Separate control heater models only.

A pre-drilled hole for the sensor is provided for separate control heaters.

Sensor is placed directly above the heater. Refer to the heater control instruction manual for the sensor installation.

14 Light Installation



The wall has a pre-drilled hole(s) for the lights. Insert wire(s) to the conduit(s) provided for the lights.

When ordering sauna room with NB heater, a dimmer switch is provided for the light(s).

When using NS heater, refer to the heater control instruction manual for the light installation.

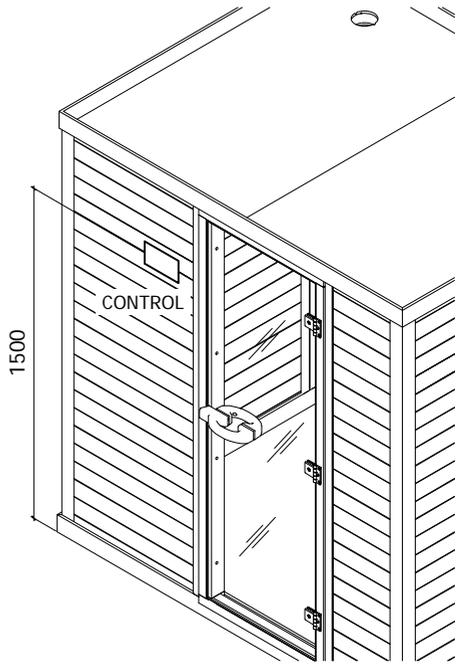
Standard Sauna Accessories

(Installation Guide)

A1. HEATER CONTROL

(outside sauna installation)

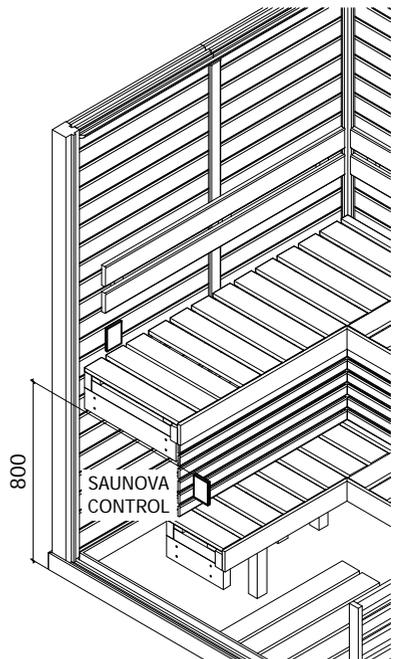
- All control should be installed at 1500mm height from finish floor line.
- Location and distance from the door is based on approved floor plan.



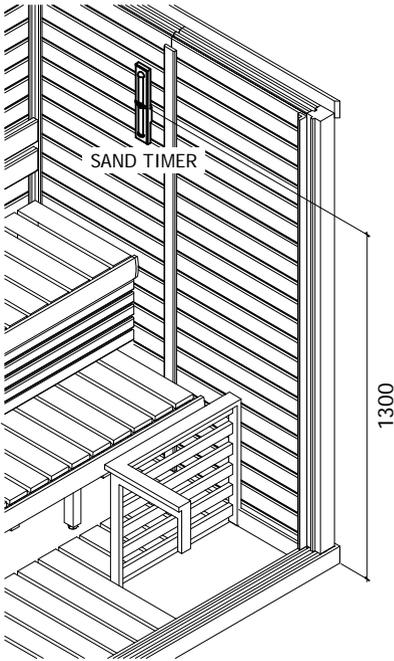
A2. HEATER CONTROL

(inside sauna installation)

- Saunova control should be installed inside sauna at 800mm height from finish floor line.
- Location and distance from the door is based on approved floor plan.



Note: Above images are for illustrative reference only and may differ from actual item.

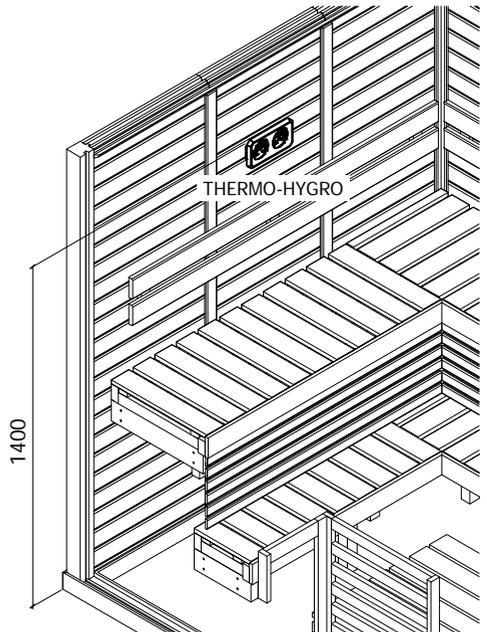


B. SAND TIMER

- The sand timer is located inside the sauna room. It is installed $\pm 1300\text{mm}$ from finish floor line.
- The best location would be on the left or right side of the sauna, where it can be easily adjusted and the time can be clearly seen.

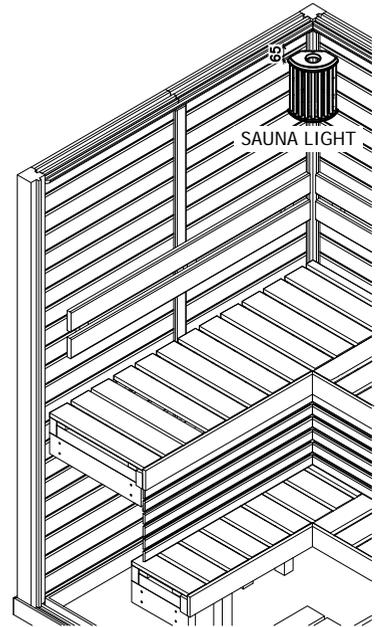
C. THERMO HYGROMETER

- The thermo-hygrometer is located inside the sauna room. It is installed $\pm 1400\text{mm}$ from finish floor line.
- Best location would be on opposite side away from the door and bather's chest height when sitting in the bench.



D. SAUNA LIGHT

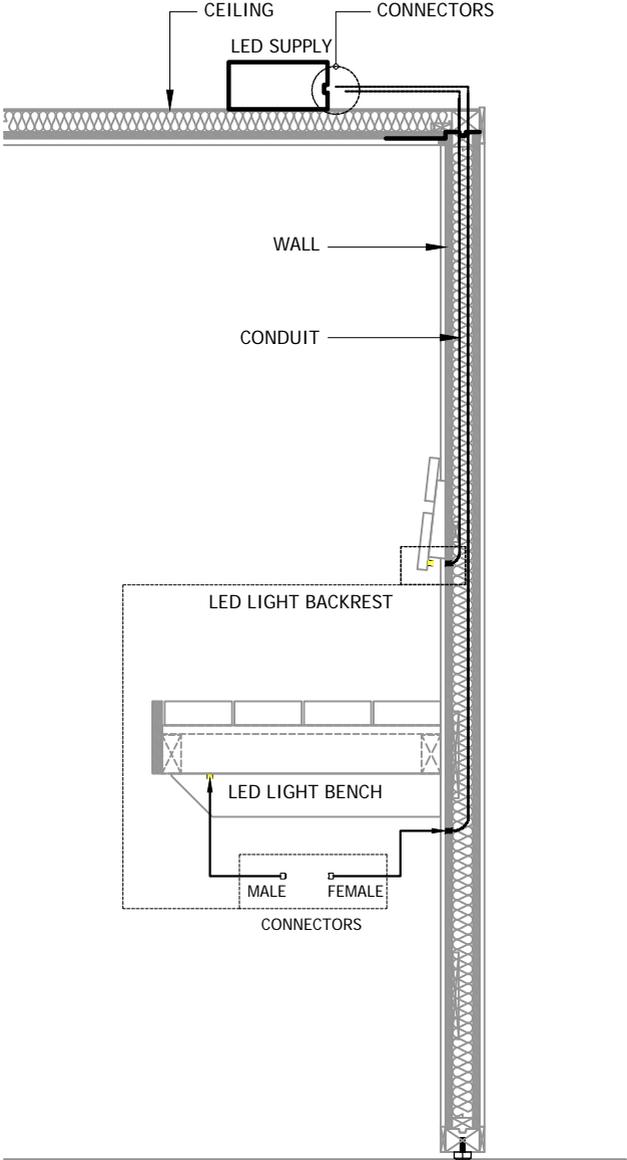
- Sauna light is mostly installed at corner of sauna room, refer sauna layout for its location.
- Elevation of the sauna light is $\pm 150\text{mm}$ minimum away from the sauna ceiling.
- Elevation of sauna light cover is $\pm 65\text{mm}$ away from the sauna ceiling.



NOTE!

Accessories should not bother the bather while in the sauna, so they should not be placed where they might hit their head or body.

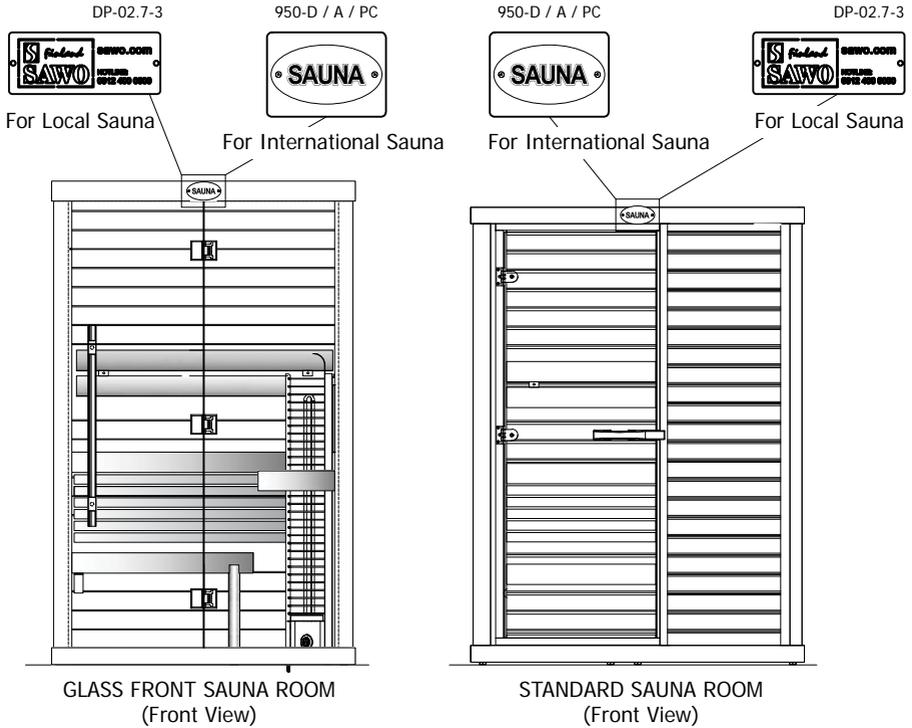
LED Lighting (For sauna rooms using LED lights)



LED LIGHTS DIAGRAM

Note: Above images are for illustrative reference only and may differ from actual item.

E. SIGNAGE - SAUNA



Glass Front Sauna Room

- Use *DP-02.7-3* for local destination.
- Use *950-D / A / PC* for international destination.
- Location of signage at center of top exterior molding / top board. (See figure above)

Standard Sauna Room

- Use *DP-02.7-3* For local destination.
- Use *950-D / A / PC* for international destination.
- Location of signage at top (right or left) portion of exterior wall depending on layout & door location. (See figure above)

NOTE!

For the following in the list below, refer to SAUNA HEATERS USER'S MANUAL and CONTROL UNIT USER'S MANUAL:

1. Sauna Heater installation
2. Sensor Location
3. Heater Accessories Installation
4. Sauna Rocks Arrangement and Capacity
5. Electrical Connections

Sauna Maintenance

AFTER EVERY SAUNA SESSION:

- ✓ It is recommended to use bench towels during sauna session to prevent sauna benches getting dirty and keep hygienic.
- ✓ After sauna session, leave heater on for 20 minutes so sauna will dry faster. After that, open air vents or sauna door.
- ✓ Empty pail from water.

AT LEAST 1 - 4 TIMES PER YEAR:

- ✓ Wash sauna surfaces with warm water and multi-purpose detergent. Use soft brush. Wash sauna benches, ceiling, floor and walls. Do not use detergent which includes ammonia or chlorine. Rinse surfaces with cold water and ventilate sauna room well.
- ✓ If sauna benches are not getting clean after washing, sand the benches with sandpaper.
- ✓ If needed, protect wood surfaces with wood treatment oil. Read carefully the instructions of wood treatment oil from product packaging. Do not heat the sauna room straight after treatment.
- ✓ If there is calcium stains or other dirt on the heater cover, clean it with mild soap water. You can also use SAWO Decalcifying solution for washing the stains. Dry after wash.
- ✓ Clean glass surfaces with window cleaning agent or dish soap. Rinse well and dry with a squeegee or a dry cloth.
- ✓ Check screws (*door, sauna benches, railings*). Tighten up if necessary.
- ✓ Clean the floor drain.

Subject to change without notice.



sawo.com
info@sawo.com