

INSTRUCTIONS FOR ASSEMBLY

120x150 h SAUNACABIN

Saunamaailm

INTRODUCTION FOR ASSEMBLY AND USE

Congratulations on Your purchase. You will soon be enjoying Your SAUNAX® sauna cabin. Before assembling the sauna cabin, please read these instructions carefully. Assembling the sauna in correct way and with care You can be sure that the sauna will last many years. The sauna is made of prefabricated elements and has been designed for easy assembly. SAUNAX® sauna cabins are covered with wooden panels all around the sauna, that will ensure that You can place the sauna even in the middle of the room. The proper air circulation is ensured with ventilation hole in the base frame and with the ventilation valve in the ceiling element. Unpack the sauna parts and check the quality. Some trim pieces are longer than necessary so they can be sawn to the right length during assembly. The panels, trim, screws and nails are added. Please note that the floor should be level so that the sauna cabin can be installed in the proper way. If the floor is not level, You should place adjustable feet under the base frame to make it level.

NB! Photo in a front page is just an illustrative!

TOOLS REQUIRED:

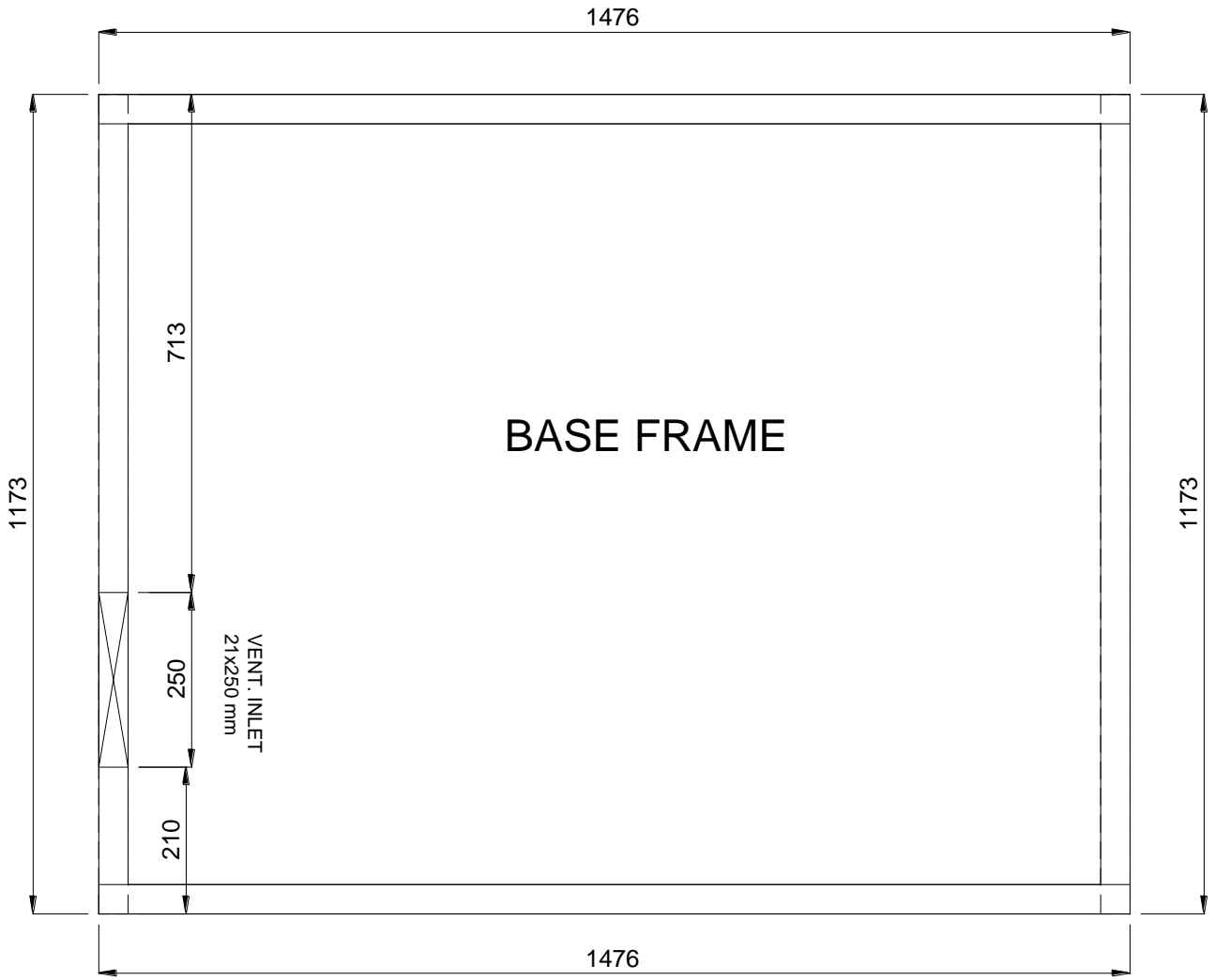
- Hammer or pin nailer
- Drill or cordless screwdriver
- Tape measure
- Square
- Level
- Handsaw (for mouldings and ventilation grid/valve installation)

1. BASE FRAME



Figure 1.a

There are 4 details with different measures for the base frame. Place the details on the floor so that the two notching fits together. There are small pilot holes in the corners. Fasten the three corners together with the screws (4x30 mm). Cross-measure from the corners to check that they are at straight angle. Correct the corners if necessary and screw the last screw in. Check that the base frame is level using a spirit level.



2. WALL ELEMENTS



Figure 2.a



Figure 2.b



Wall elements are installed on top of the base frame. They are marked with alphabetical/numeral combination. Start from the element, which is marked as B1 or B. Have someone hold the first panel in place and then put the other panel on the base frame so these two panels make up each corner. Some panels are unfixed for better inside mounting.

**There are 2 methods for fastening Your sauna panels:*

EXTERIOR (standard): To be followed when there is easy access to all exterior corners of the sauna. See *diagram A*.

INTERIOR (Alternate): To be followed when there is no room to move/work around the all 4 walls. (For example when Your room is too narrow to fasten the side wall elements, A and C, with the screws from the sides). See *diagram B*.

NB! If the sauna is to be placed against existing wall(s), panel installation should begin at these sides. After these panels are in place, the sauna can be slid towards the wall(s) keeping it 1-5 cm away.

Make sure that the wall element is straight and in correct place, then fix it to the base frame with screws. There are predrilled pilot holes in each element. Next element should be marked with B, then C and D. **NOTE:** *it is not always necessary to install your panels in sequence according to their numbers*. Bring the two wall elements together and after making sure that they are straight, fasten them with the screws from the sides (Diagram 2.c).

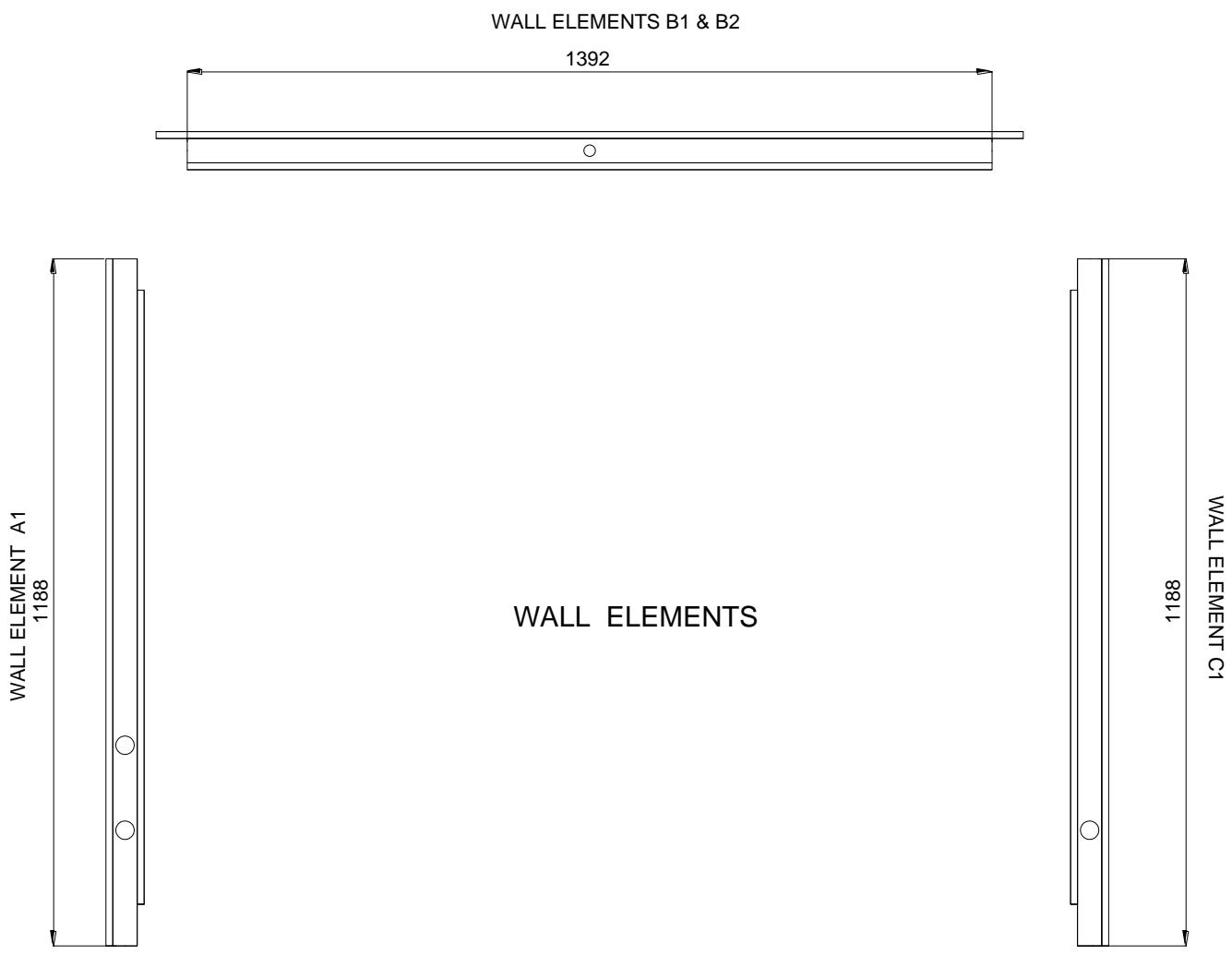


Figure 2.c

3. DOOR

Your sauna contains a high quality sauna door. Be careful when handling the door as the window may break if it is hit with a sharp object. The door element is the last wall element. The door is fastened with screws (4x70 mm). There is sauna door handle in your sauna kit. The opening direction can be changed. You need to remove the door with door jamb from wall element and swing the door around in its wall element to change the opening direction. Change the places of the upper and lower details of the door jamb. Put the door back to the wall element. Cover the exposed holes with wooden covers. The door always opens out.

4. CEILING ELEMENTS



Figure 4.a

Lift the ceiling elements in place (Figure 4.a). One person should be inside the sauna and another outside, feed the ceiling panel over the top of the walls being very careful not to scratch the panels. Make sure that the ceiling elements fit on the top of the wall elements. Check also, that the tongue and groove joints between ceiling elements are fastened properly to each other. You may need to lift the elements a little at the joints to make them slide together. You may fix the ceiling elements with screws (5x70 mm) also, if You think that is necessary.

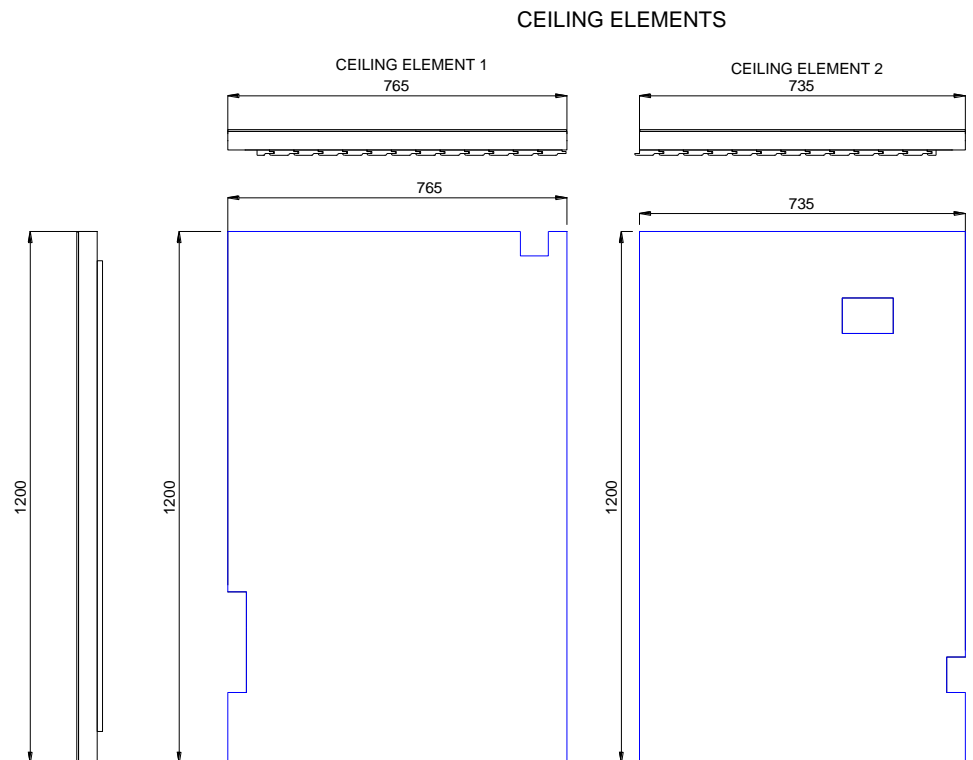




Figure 6.a

5. ELECTRICAL WIRES

Always use a certified electrician for any electrical work. This will prevent injury to you and the product. You may need to install the control unit into a wall element. The sauna light with shade is installed in the upper corner of the sauna room.

6. OUTSIDE TRIM/MOULDINGS

Cut the trims, if necessary, to the right length. Fasten the trim with nails to the wall from the front door side first (top and bottom of the sauna). Then fasten trims to the sides (left and right). After fasten door trims on both sides of the door (Figure 6.a). All trims are chamfered at the edges to provide a finished look.

7. BENCHES

In standard cases, the benches are positioned with upper bench against the back wall of the sauna, and lower bench parallel to it. There are bench support boards: 280 mm for the lower bench and 730 mm for the upper bench. (Figure 7.a and Figure 7.b). Fix the bench support details with screws 4x70 mm. Start to measure the length of the bottom of the wall element. Start to mount from the upper bench frame. Use screws 5x70 mm. Fix bench frame tightly to the wall. The last step is to fit in the bench grid. Use extra support detail (PHL 28x45) to support bench from the middle.

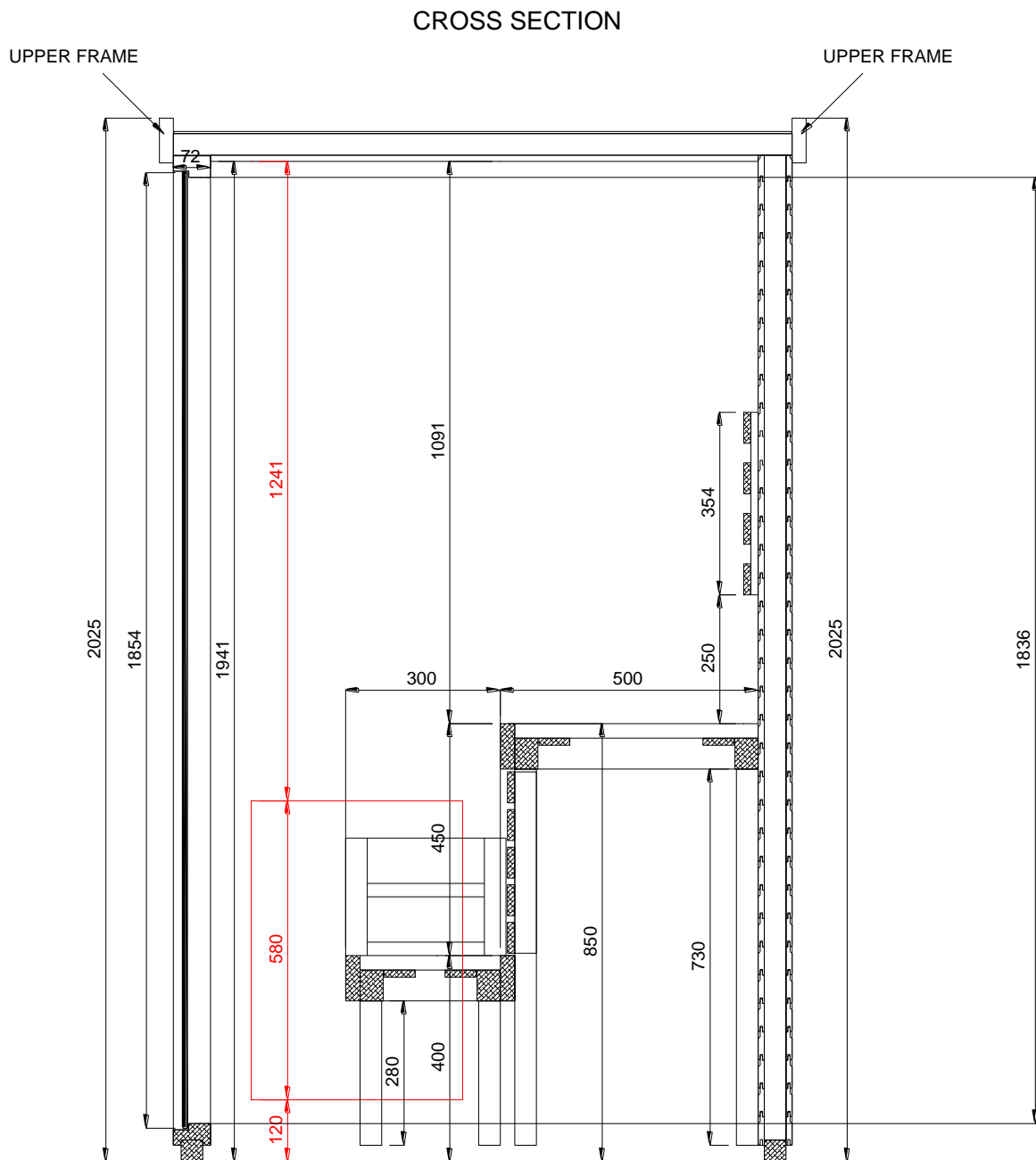
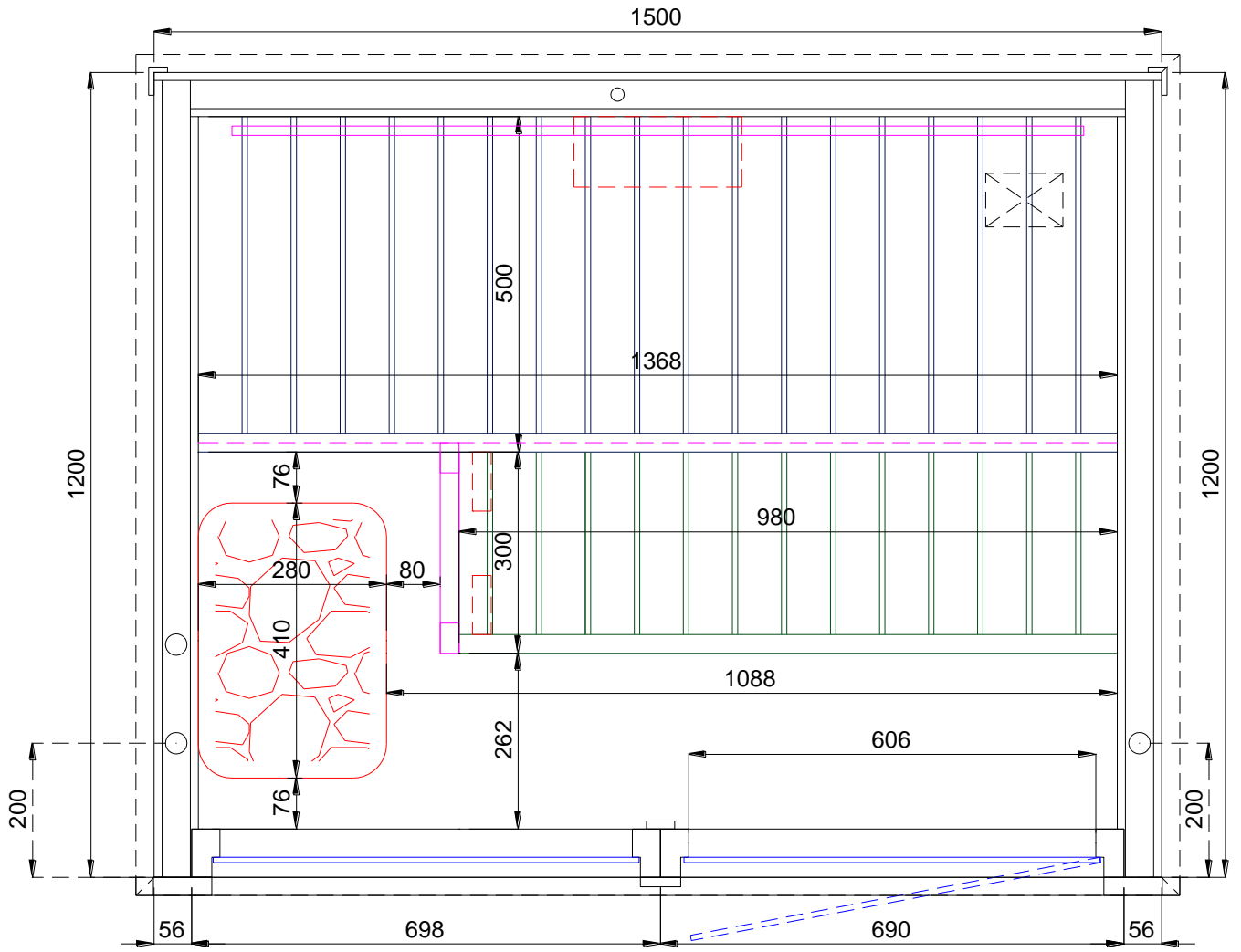


Figure 7.b



8. BENCH SKIRT

After placing the bench, place the bench skirt. Bench skirt is located between upper and lower bench elements (Figure 7.b). Fasten it from the back using screws (4x45 mm).

9. BACK GRID

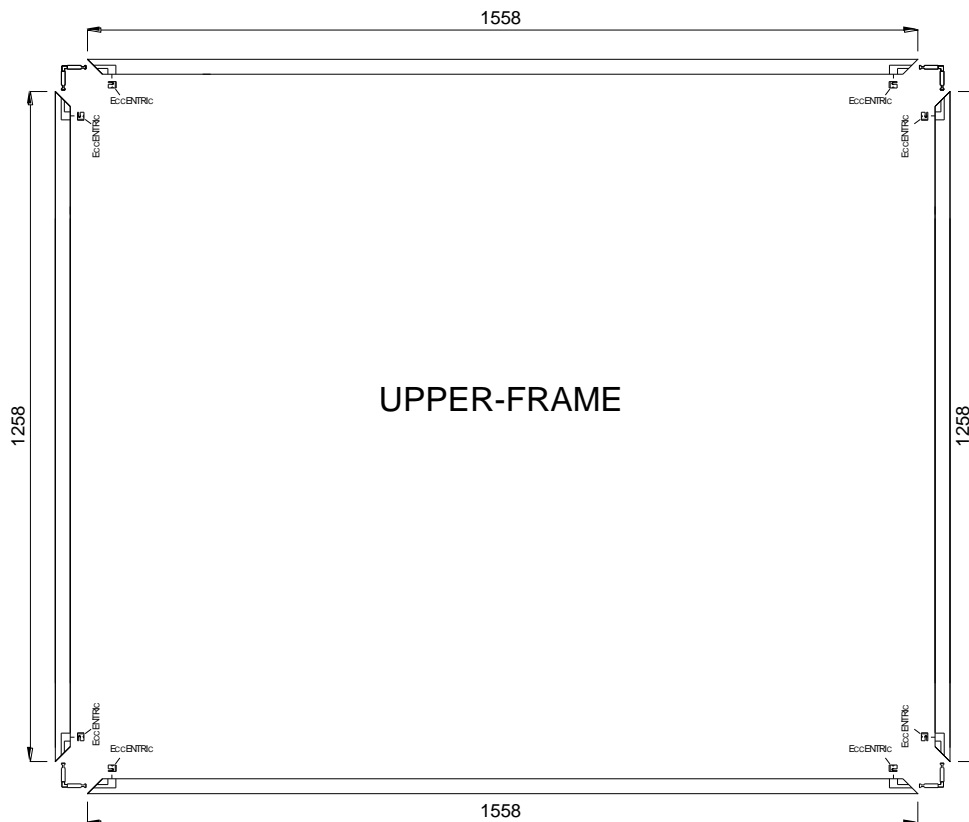
After placing the bench skirt, place the back grid. There are predrilled holes. Fasten the back grid using screws (4x45 mm) and cover the screw holes with wooden covers.

10. HEATER GUARD

Place the heater guard around the heater as described in Your heater instructions. Spacing may vary according to heater kilowatt. Use screws (4x45 mm) for fastening the heater guard to the bench.

11. UPPER FRAME

Upper frame elements are with cross measure 28x88 mm. They are fastened with eccentrics and eccentric bolt/stud (two for each joints). Mount the upper frame on the floor and then lift it to the top of the sauna and fasten it to the ceiling element using screws (4x45 mm) and wooden covers.



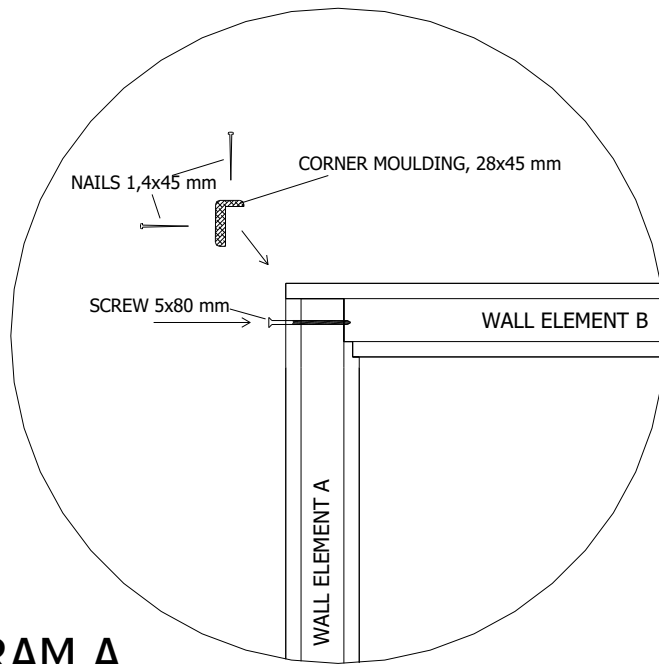


DIAGRAM A

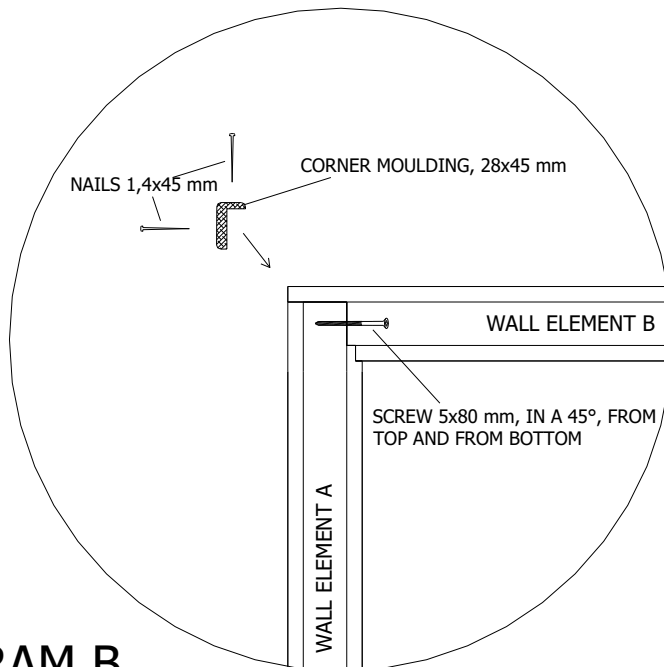
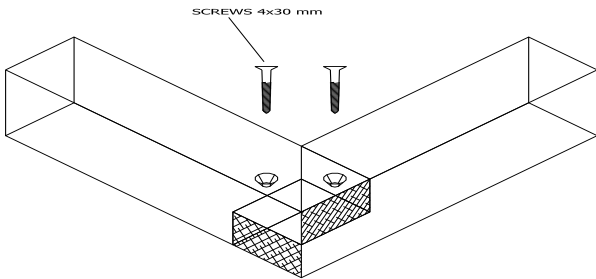
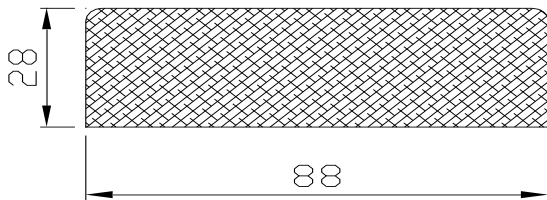
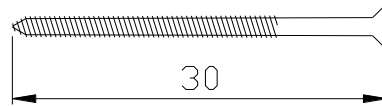


DIAGRAM B

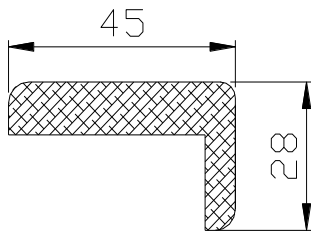
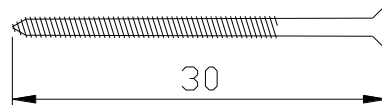
BASE FRAME



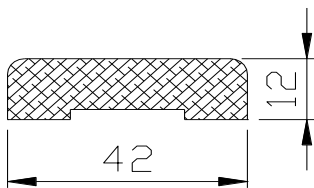
BASE FRAME, 42x42 mm, with notch joints.
Fastened with screws.



UPPER FRAMING, 28x88 mm. Fastened with screws and metal angles.



OUTSIDE CORNER MOULDING, 28x45 mm
(outside of the sauna). Fastened with nails.



DOOR MOULDING, 12x42 mm (inside and outside of the sauna). Fastened with nails.



12. USER MANUAL FOR SAUNA

1. WALLS AND CEILING

Practice shows that panelling tends to dry out significantly faster in steam rooms where water is not thrown on heater stones than in steam rooms where air humidity is higher due to throwing water on heater stones. As to the cleaning and maintenance of walls and the ceiling, the same principles and methods apply as to the Bench. To protect walls and ceiling, use Tikkurila SUPI SAUNASUOJA.

After a sauna session leave the steam room to dry to remove excess moisture. To do this, keep the ventilation vent in the ceiling open for a couple of days.

2. BENCH

The Bench space should be divided so that each person has sitting room of approximately 60 cm (may also be less depending on the size of the room). In this way, it is more comfortable for people and the Bench is not overloaded either.

People should not wear wet swimsuits in the steam room since water dripping out of these significantly damages the sauna bench and its structure. To prolong the nice look of a bench, use mats for sitting. Also, this makes sitting on the hot sauna bench more comfortable.

Clean the sauna bench at least once a year with a special sauna cleaning agent, for instance Tikkurila SUPI SAUNAPESU. For harder stains that are difficult to remove with a cleaning agent fine sand paper can be used. After cleaning treat the Bench again with a bench protection agent, for instance Tikkurila SUPI LAUDESUOJA.

When cleaning a sauna, adhere to the following principles

- Clean the Bench with an alkaline cleaning agent. Use a brush or an abrasive washing cloth. Do not forget to clean the bottom side of the Bench, edges of the Bench boards and the support structure of the Bench. After this, rinse wooden surfaces with water.
- To make cleaning even more efficient, use abrasive cleaning powders or disinfecting cleaning agents. These will also whiten the wooden surface. When using disinfecting cleaning agents, make sure that water and wood are cool. Before giving the surfaces a thorough rinse, leave the cleaning solution to sit for a while.
- Do not clean sauna walls with a hose applying great pressure because this may damage wall constructions.

Changes in the relative humidity level of the sauna air may cause wood to swell or shrink and amongst others have an impact on the moving of the sauna door. If the door does not stay closed, the lock sticks out too much or the door is not closing, adjust the lock by turning the adjuster screw above it clockwise or counter clockwise. The movement of a glass door is adjusted according to its type with the help of hinges and/or adjuster screws under the roller-lock. Before the first use of the steam room, read the heater manual.

Do not forget the following principles

- Upon the first use sauna is to be heated under constant supervision and after that it needs to be thoroughly aired because various gases evaporate from sauna constructions and heater when the sauna is heated for the first time.
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- The sauna is provided with air exchange fans that must be switched on during sauna and after sauna when the interior is drying.
- The ventilation valve must be open during sauna and after sauna, when the interior is drying.
- For the rest of the time, the ventilation valve must always be closed.
- The heater should be left switched on for about half an hour after finishing a sauna session.
- If the Bench steps are removable, lift them in horizontal position after sauna – this will facilitate drying.
- It is not permitted to dry laundry in the sauna, since moisture emitted from laundry darkens the wooden parts of the sauna. Also, hanging laundry to dry over the heater increases the risk of a fire.
- The stones of a heater should be reassembled at least once a year. Small and crumbling stones are removed and replaced by new and bigger ones. There are enough stones in a heater when heater bars are covered, but the pile of stones is not too high. A 10 cm layer of stones covering the bars is just right. It is important to avoid water coming into direct contact with the bars because it shortens their duration of use.
- The heater thermostat cannot function properly if heater stones have been assembled too densely or are too small.

As sauna panelling is imposed to high temperatures during heating, its moisture content is reduced and it tends to shrink. As a result, cracks may appear in panelling boards. It is normal that after the first year of using a sauna, panelling has surface cracks and partial transverse splits, provided that these do not cause boards to collapse.

Due to high temperatures present in a sauna, wood resin often oozes from the knots in panelling boards. This is a natural phenomenon and boards need to be replaced only if there is a danger of resin oozing on people.

Over time, wooden surfaces in the steam room, such as wall panelling, will darken. This is caused by heat emitted by the heater. Also, fine stone dust from heater stones rising up with the air flow may darken the wall surface near the heater.

The temperature tolerance limit of the steam room walls and ceiling is +135 °C. The highest temperature allowed in the heater room is about +125 °C. At temperatures higher than these there is a risk that fire break vents of air exchange devices launch and cut off ventilation in the apartment, presuming that the high temperature in the apartment is due to a fire.

WARNINGS!

- Do not cover the sauna heater or place anything on or near the sauna heater.
 - Do not touch the heater and heater stones when heater works or after work.
 - Do not throw cold water on the hot heater stones or against the window, they may shatter in an instant. Use on heater only clean and hot water.
 - Do not install sauna instruments (thermometers etc.) in the area of the heater
 - Do not damage or use damaged silicone coated wires.
 - Do not use any polyurethane, paint or wood sealer for coating the sauna wood surfaces.
 - Do not close sauna ventilation openings
 - Do not use sauna under the influence of alcohol, drugs or when You are sick.
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