

Sauna Specification

PART 1 – GENERAL

Overview: Provide all design, planning, delivery, and installation for the removal and replacement of an existing Sauna.

1.1 SECTION INCLUDES

A. Custom Installed Saunas B. Sauna Heaters C. Sauna Accessories

1.2 RELATED SECTIONS

- A. Rough Carpentry
- B. Joint Protection
- C. Common Work Results for Electrical.

1.3 SUBMITTALS A. Product Data: Manufacturer's data sheets on each product to be used, including:

- A. Preparation instructions and recommendations.
- B. Storage and handling requirements and recommendations.
- C. Installation methods. B. Shop Drawings: For each finish product specified.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: All primary products specified shall be supplied by a single manufacturer with a minimum of 10 years of documented experience.
- B. Installer Qualifications: Installation team must be full-time employees of the manufacturer with a minimum of 5 years of demonstrated experience installing products of the same type and scope as specified.

1.5 ROOM PREPARATION

- A. Sprinkler head must remain and not touched during construction, to be protected from damage.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by the manufacturer for optimum results. Do not install products under environmental conditions outside the manufacturer's absolute limits.

1.7 WARRANTY

A. Provide an executed copy of the manufacturer's standard limited warranty against manufacturing defects, outlining its terms, conditions, and exclusions from coverage.

PRODUCTS

1.8 MANUFACTURERS

A. Acceptable Manufacturer: Saunacore, Saunafin, vendors that regularly perform this type of work.

1.9 SAUNA MATERIALS

A. Lumber:

1. Wood Species and Grades: Western Red Cedar, Clear A&BTR, Kiln-dried.
2. B. Tempered Glass: Preassembled units consisting of insulating/tempered-glass units made from two lites of 5mm, with jamb and casing of Western Red Cedar.
3. C. Fasteners: Exposed - Stainless steel or hot-dip galvanized.

1.10 SAUNAS

A. Traditional Sauna:

1. Door Size: Barrier-free compliant 3 feet wide by 6 feet 6 inches (914 mm by 1981 mm), R.O. 38 inches by 80 inches (965 mm by 2032 mm).
2. Casing, Jamb: Clear Western Red Cedar, S4S, jamb machined for integral stop.
3. Hinges: Two 4-inch (102 mm) self-closing spring hinges and one butt hinge.
4. Door Pulls: Two wood pulls per door.
5. Heater Guard: S4S, kiln-dried clear vertical grain, 1 inch by 4 inches (25 mm by 102 mm), fence size for wall-mounted heater.
6. Benches: S4S, kiln-dried clear vertical grain, 2-inch by 4 inches tops with 1/2 inch (13 mm) nominal spacing, eased edges to eliminate sharp angles.

7. Frame: Nominal 2-inch by 4-inch (51 mm by 102 mm) of the same material as bench tops, eased edges.
8. Trim: Wood species to match room paneling.
9. Fasteners: Applied from the bottom to eliminate exposed metal; exposed nails countersunk and filled.
10. Vents: Passive vent near the heater and passive louvered exhaust vent.
11. Light: Vapor-proof, wall-mounted.

B. Sauna Construction:

1. Insulation: 3-1/2 inch (89 mm) fiberglass batt compressed to fit the size of framing (by others)
2. Install foil vapor retarder installed on the interior side of the sauna.
3. Install 1" x 3" strapping on top of foil as an anchor for the cedar wall planks.
4. Interior Wall and Ceiling Paneling: 1 inch by 4 inches (25 mm by 100 mm) nominal V-joint, tongue-and-groove wood boards of species and grade indicated, sanded smooth, kiln-dried to no more than 12 percent moisture content. Attach to the wall horizontally or vertically based on framing construction methods or customer preference.
5. Wood Species: Clear Western Red Cedar.
6. Door: Manufacturer's standard, solid core, pre-hung door with a glass vision panel as follows:
 - a. Door Wood Species: Western Red Cedar.
 - b. Jamb and Casing Wood Species: Western Red Cedar.
 - c. Glass Vision Panel: Preassembled units consisting of insulating/tempered glass.
 - d. Specify if Barrier-Free door or standard door. All doors are undercut 1 inch to 1 1/2 inches to provide proper and sufficient airflow into the sauna. Do not cut vents or other openings in sauna walls unless required for sauna heater.
7. Door Hardware:
 - a. Provide one pair of self-closing hinges (top and bottom), one ball catch, and two wood door pulls (interior and exterior of the door) of Western Red Cedar.
8. Benches:
 - a. Western Red Cedar, S4S, 2 inches by 4 inches (50 mm by 102 mm) nominal wood boards, spaced not more than 1/2 inch apart and supported by 2 inches by 4 inches (51 mm by 102 mm) nominal wood framing.

1.11 SAUNA HEATERS

A. Electric Sauna Heaters:

- Manufacturer's standard electric convection unit with stainless-steel interior and stainless-steel exterior.
- Capacity as determined by the manufacturer based upon cubic footage of the sauna or a minimum 1 KW per 50 cubic feet of space.
- Digital 24-hour administrative sauna control with 60-minute timer option
- Provide heat-tested, shatter-resistant igneous rocks that are not in direct contact with heating-unit coils and are completely separated from the heating-unit coils.
- CSA listed.
- Obtain rough-in instructions from the supplier for electrical work which must be performed during the build-out phase prior to sauna installation (By others)
- Conduits and location for heater control assembly on the front wall are essential.
- Power Supply: 208 or 240-Volt and either single or three-phase.
- Mounting: Wall mounted with bracket or floor mounted.
- Built-in Thermostat in Heater Controls: Manufacturer's system mounted integral with heater unit, with a thermostat.

1.12 SAUNA ACCESSORIES

A. Guardrail: Wood guardrail for the heater, dimensions as required by listing.

B. Backrest: Wood-slat backrest for each bench.

C. Thermometer

D. Light Fixture: Wall-mounted and rated for damp locations.

1. Material: Aluminum.
2. Diffuser: Translucent white glass.

E. Wood bucket: 1-gallon (3.8L) capacity with a

1.13 EXISTING DIMENSIONS

- Length: 7' 8"
Width: 8' 2"
The Cover for the element is 3' X 3'.
The ceiling measures 8' W X 7' 9" L X 8' H.