



## SECTION 13032

### SAUNAS

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Precut sauna packages and wall and ceiling framing and insulation.
- B. Prefabricated modular saunas for interior installation.
- C. Sauna heaters and accessories.
- D. Sauna doors.

##### 1.2 RELATED SECTIONS

- A. Section 03300 - Cast-In-Place Concrete: Flooring substrate.
- B. Section 06100 - Rough Carpentry: Framing of walls and ceilings.
- C. Section 07210 - Building Insulation: Insulation of walls and ceilings.
- D. Section 09300 - Tile.
- E. Section 09650 - Resilient Flooring.
- F. Section 15150 - Sanitary Waste and Vent Piping: Floor drains.
- G. Section 16155 - Wiring Methods: Electrical service wiring.

##### 1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Manufacturer's descriptive literature for saunas and components specified in this section.
- C. Shop Drawings: Plan and elevations of sauna design, indicating construction details. Include electrical rough-in and wiring requirements, including pre-installation and final hookup.
- D. Samples: Two samples, minimum size 9 inches (200 mm) square, accurately representing appearance of wall panels.

- E. Installation Instructions: Manufacturer's printed installation instructions for sauna, benches, and accessories.
- F. Operation and Maintenance Data: Sauna enclosure, heater, and control/monitoring equipment.
- G. Warranty Documents: Issued and executed by manufacturer.

#### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. Store products of this section in manufacturer's unopened packaging until installation.
- B. Maintain dry, heated storage area for products of this section until installation of products.

#### 1.5 WARRANTY

- A. Provide manufacturer's standard one year warranty on heaters, controls, room materials and workmanship when installed according to manufacturer's specifications and wiring information.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Nordic Sauna, which is located at: 14831 Bessemer Street; Van Nuys CA 91411; Toll Free Tel: 800-582-1517; Tel: 818.787.4701; Email: [request info \(info@nordicsauna.com\)](mailto:requestinfo@nordicsauna.com); Web: [www.nordicsauna.com](http://www.nordicsauna.com)
- B. Substitutions: Tylo AB [www.tylosauna.com](http://www.tylosauna.com)  
Finnish Sauna [www.finnishsauna.com](http://www.finnishsauna.com)
- C. Provide all saunas and accessories from a single manufacturer. Requests for substitutions not permitted.

#### 2.2 MATERIALS

- A. Sauna Custom Cut: Precut sauna package and related framing and finishing as required to complete sauna installation and as indicated on Drawings.
  1. Size: To fit field dimensions inside of framing of wood framing or wood Furring strips over steel studs or drywall.
  2. Size: As indicated on Drawings.
  3. Wall and Ceiling Framing: Specified in Section 06100.
  4. Wall and Ceiling Insulation: min R-13 in walls and R-19-R-30in ceiling.
  5. Interior Wall and Ceiling Finish: Western Red Cedar, clear grade board paneling 5/8" inch by 3- 1/4" inch (15 mm by 83 mm) size.
  6. Assembled benches, clear VG S4S kiln dried 2 inch (38 mm) by 2 inch (25 mm) tops with 3/8" inch (10 mm) spacing, and 1- 1/2" inch (38 mm) by 3- 1/2" inch (90 mm) facing.
  7. Pre-hung door 32 inches (812 mm) wide by 6 feet 8 inches (2032 mm) high (interior casing only).
  8. Assembled heater guard.
  9. Assembled headrest/backrest for upper benches.
  10. Trim and casing.
  11. Sauna Mat sufficient quantity for walking area.
  12. Nordic Sauna heater.
  13. Peridotite stones.

14. Control/contacter panel if required by heater.
  15. Wall-mounted, vapor-proof light.
  16. Two sets of vents for installation in upper and lower wall areas.
  17. Accessories including Deluxe thermometer, wooden bucket w/ liner 1 gal, wooden ladle 14", and warning signs.
  18. Type C Aluminum vapor barrier foil.
  19. Stainless steel ¼" crown staples 1- 1/8".
- B. Flooring: "Sauna Mat" 12 by 12 inch (30 mm by 30 mm) flooring squares for walking areas over concrete, tile, or vinyl; removable, washable, sanitary, non-skid, synthetic material.
1. Color: Terra cotta.
  2. Color: Tan.
- C. Doors and Frames:
1. Door Type: Pre-hung for Custom cut sauna room.
  2. Door Rails: Solid wood laminated on both faces with vertical grain Douglas fir veneer.
  3. Casing, Jamb, and Threshold: Hemlock.
  4. Door Size: 2 feet wide by 6 feet 8 inches (610 by 2032 mm).
  5. Door Size: 3 feet wide by 6 feet 8 inches (915 by 2032 mm).
  6. Door swing, as viewed from outside sauna, out swinging: hinged left side or hinged right please specify on plans.
  7. Glass: Hermetically-sealed double glass, tempered.
    - a. Clear.
    - b. Clear, Triple pane optional.
  8. Hinges: Three 4 inch (102 mm) by 4 inch (102 mm) butts.
  9. Ball Catch: Roller latch non-locking.
  10. Door Pulls: Two wood pulls each door custom cut.
- D. Sauna Heater: Nordic Deluxe; wall mounted with SC type controls; for room size up to 425 cu ft (12 cu m); residential or light commercial use only.
1. Electrical Characteristics: 240 VAC single phase.
    - a. 208volt 3-phase available special order.
  2. Size: 16 inches (406 mm) wide, 11 inches (279 mm) deep, 24 inches (610 mm) high.
  3. Capacity: As recommended by manufacturer for room volume.
  4. Controls: 60 minute timer.
  5. Construction: Three-wall metal construction, stainless steel heating elements, 50 pounds (23 kg) stones, direct rock contact with heating elements, free air flow.
  6. Surfaces: Stainless steel interior and top, and stainless steel exterior.
  7. Surfaces: Top Cast Aluminum heat deflector.
  8. UL tested and listed.
- E. Sauna Heater: Nordic Commercial; floor mounted with exterior wall mounted controls; for room size from 300 to 1050 cu ft (8.5 to 30 cu m).
1. Electrical Characteristics: 240 VAC single phase.
  2. Electrical Characteristics: 208 VAC three phase.
  3. Size: 20 inches (508 mm) wide, 20 inches (508 mm) deep, 27 inches (690

- mm) high.
  - 4. Capacity: As recommended by manufacturer for room volume.
  - 5. Controls: Thermostat, 60-minute timer, light switch, indicator light, and Relay Box recommended by manufacturer.
  - 6. Construction: Deluxe chrome, stainless steel interior and exterior; triple-wall pressed metal construction, stainless steel heating elements, 100 pounds (46 kg) stones, direct rock contact with heating elements, free air flow.
  - 7. UL tested and listed.
- F. Sauna Heater: Tylo Sauna Deluxe; wall mounted with separate controls and protective fence; for room volume from 300 to 950 cu ft (8 to 30 cu m), 30 pounds of stones (15kg)
- 1. Electrical Characteristics: 240 VAC, single phase or 3phase.
  - 2. Electrical Characteristics: 208 VAC, Three phase.
  - 3. Size: 7-8kw models: 18 inches (457 mm) wide, 13 inches (330 mm) deep, 23 inches (585 mm) high.
  - 4. Size: 11-16kw models: 26 inches (660mm) wide, 16 inches (405mm) deep, 23 inches (585mm) high.
  - 5. Capacity: As recommended by manufacturer for room volume.
  - 6. Construction: Stainless steel interior and top, low temp flocking exterior; triple wall metal construction, stainless steel heating elements, direct rock contact with heating elements, twin free air flow side chambers.
  - 7. ETL tested and listed.
- G. Heater Stones: Finnish peridotite, heat tested.
- H. Heater Fence: S4S, kiln-dried clear vertical grain Western Red Cedar, 1x4 (16 by 90 mm).
- I. Benches: S4S, kiln-dried clear vertical grain Western Red Cedar, 1- ½" by 1" (38 by 25 mm) tops with 3/8 inch (10 mm) nominal spacing; eased edges to eliminate sharp angles.
- 1. Facings: 2 by 4 (38 by 90 mm) Western Red Cedar; eased edges.
  - 2. Trim: Wood species to match room paneling.
  - 3. Fastening: From bottom without exposed metal.
- J. Head/Back Rests: For upper benches, tapered 16 by 20 inches (406 by 508 mm).
- K. Fasteners: Galvanized; countersunk and covered by wood plug.
- L. Vents: 3- ½" by 6 inches (90 by 150 mm).
- 1. Lower: Provided for lower wall location.
  - 2. Upper: Provided for upper wall location adjustable.
- M. Light: Vapor-proof, wall-mounted, Progress P5511, satin finish cast aluminum, 75 watts.

## 2.3 ACCESSORIES

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify that utility services are of correct type and in correct locations.
- B. Verify that construction activities affecting work of this section are correct and complete.
- C. Examine conditions under which work of this section is to be performed.
  - 1. Submit written notification if such conditions are unacceptable.
  - 2. Transmit two copies of installer's report to Architect within 24 hours of receipt.
  - 3. Beginning work of this section before unacceptable conditions have been corrected is prohibited.
  - 4. Beginning construction activities of this section indicates installer's acceptance of conditions.

### 3.2 INSTALLATION

- A. Install saunas and accessories in accordance with shop drawings and manufacturer's printed installation instructions.
- B. Connection of heater, lighting, and control/monitoring equipment, to electrical service is specified in Section 16155.

### 3.3 CLEANING

- A. Clean soiled surfaces in accordance with manufacturer's instructions.

### 3.4 PROTECTION OF INSTALLED PRODUCTS

- A. Protect sauna and components from damage to finishes and operation until Substantial Completion.

END OF SECTION