SECTION 13 24 16

SAUNAS AND STEAM ROOMS

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\*\* NOTE TO SPECIFIER \*\* Helo Sauna & Steam; saunas, steam rooms, heat-bathing products.  
.  
This section is based on the products of Helo Sauna & Steam, which is located at:  
575 E. Cokato St.  
Cokato, MN 55321  
Toll Free Tel: 800-225-7519  
Tel: 320-286-6304  
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Email: [sales@tylohelo.com](mailto:sales@tylohelo.com?subject=RE:ARCAT%20Spec%20Question%20(13030hel):%20%20)  
Web: <http://www.helosaunas.com>   
 [ [Click Here](http://www.arcat.com/arcatcos/cos33/arc33026.html) ] for additional information. send email request catalog  
Helo has become the world's largest sauna and steam manufacturer through innovation, product development, and an uncompromising commitment to quality. Helo saunas, at first glance, are very impressive: then become even more so upon careful examination.  
Helo quality is immediately evident by our styling and design - with innovative use of glass, curves, and lighting. It continues with our use of hand selected woods - clear and graded to the lightest colors. Select Western Red Cedar is standard. For those wanting wood that is lighter and more consistent color, or wood specific for hypoallergenic purposes, consider Helo's vertical grain Canadian Hemlock.  
To maximize form and function, all Helo saunas are matched with sleek, contemporary heaters and user-friendly controls. Helo means superior value and years of satisfaction delivered in the name of relaxation and good health.  
Now is the perfect time to enjoy the finest saunas available. Whichever package you choose, you'll enjoy the quality only found in Helo.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Sauna, including the following:
       1. Panel built saunas.
       2. Custom built saunas.
       3. Sauna heaters.
       4. Sauna accessories.
    2. Steam rooms, including the following:
       1. Steam generators and control.
       2. Doors for site constructed rooms.
       3. Prefabricated modular steam rooms
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 03 30 00 - Cast-in-Place Concrete.
    2. Section 06 10 00 - Rough Carpentry.
    3. Section 07 21 26 - Blown Insulation.
    4. Section 22 10 00 - Plumbing Piping.
    5. Section 26 05 00 - Common Work Results for Electrical.
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Preparation instructions and recommendations.
        2. Storage and handling requirements and recommendations.
        3. Installation methods.
     3. Shop Drawings: Indicate room layout, equipment locations, details of assembly and anchorage, and rough-in locations. Include required clearances.
     4. Verification Samples: Two samples, minimum size 6 inches (150 mm) square, accurately representing appearance of wall panels.
     5. Operation and Maintenance Data: For entire system.
  2. QUALITY ASSURANCE
     1. Manufacturer Qualifications: A company with not less than 10 years of experience in manufacturing components of the type required for this project.
     2. Regulatory Requirements: Provide UL listed equipment and controls.
  3. DELIVERY, STORAGE, AND HANDLING
     1. Deliver and store products in manufacturer's unopened packaging, in dry, heated storage area until installation.
  4. WARRANTY
     1. Warranty: Provide manufacturer's standard warranty.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Helo Sauna & Steam, which is located at: 575 E. Cokato St.; Cokato, MN 55321; Toll Free Tel: 800-225-7519; Tel: 320-286-6304; Fax: 320-286-2224; Email: [sales@tylohelo.com](mailto:sales@tylohelo.com?subject=RE:ARCAT%20Spec%20Question%20(13030hel):%20%20); Web: <http://www.helosaunas.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. SAUNAS

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Panel Built Saunas: Helo Commercial panel-built, free standing, insulated saunas, dimensioned as indicated on drawings, with wall and ceiling panels as follows.
       1. Pre-framed using 2 x 2 Douglas Fir.
       2. Insulated with R-13 Fiberglass Batt Insulation.
       3. Panel interior finish: Clear grade, 1 x 4 V-joint, kiln-dried Western Red Cedar.
       4. Panel exterior finish: Clear grade, 1 x 4 V-joint, kiln-dried Western Red Cedar or Kadamu plywood.
    2. Pro Series Panel Built Saunas: Helo Commercial's Pro Series panel-built, free standing, insulated saunas, dimensioned as indicated on drawings, with wall and ceiling panels as follows:
       1. Pre-framed using 2 x 3 Douglas Fir
       2. Insulated with R-13 Fiberglass Batt Insulation
       3. Full 7 foot interior height
       4. Panel interior finish: Clear grade, 1 x 4 V-joint, kiln-dried Western Red Cedar.
       5. Panel exterior finish: Clear grade, 1 x 4 V-joint, kiln-dried Western Red Cedar or finished plywood.
       6. Bench framing: 4-1/2 inches.
    3. Custom-Cut Sauna: Helo Commercial custom-cut wall and ceiling finish for installation on framed walls, dimensioned as indicated on drawings, with wall and ceiling finish as follows;
       1. 1 x 4 (25 x 100 mm) V-joint T&G boards.
       2. Species: Clear Western Red Cedar, kiln-dried to 12 percent maximum moisture content.
       3. Lengths: As required to eliminate butt joints, with boards installed vertically if horizontal length of wall is over 96 inches (2440 mm).
    4. Door: Standard type as described below, including handles, casing, and jambs, and three brass hinges with a ball catch. Optional: Self-closing hinges.

\*\* NOTE TO SPECIFIER \*\* Delete door types not required.

* + - 1. Residential Door: Pre-hung door with vertical grain Douglas Fir rails and sealed, tempered, double pane window.
         1. Mahogany jambs.
         2. Dimensions: 24 x 80 x 1-3/4 inches (610 x 2032 x 44.5 mm).
         3. Dimensions: 30 x 80 x 1-3/4 inches (762 x 2032 x 44.5 mm).
         4. Dimensions: 36 x 80 x 1-3/4 inches (915 x 2032 x 44.5 mm).
         5. Dimensions: 24 x 72 x 1-3/4 inches (610 x 1830 x 44.5 mm).
      2. Residential Door: Pre-hung all-glass door with bronze tinted glass (no wood on door itself).
         1. 2x Western Red Cedar jambs
         2. Dimensions: 24 x 80 x 5/16 inches (610 x 2032 x 8 mm).
         3. Dimensions: 36 x 80 x 5/16 inches (915 x 2032 x 8 mm).
         4. Dimensions: 24 x 72 x 5/16 inches (610 x 1830 x 8 mm).
      3. Commercial Door: Pre-hung, handicapped accessible door, with vertical grain Douglas Fir rails and sealed, tempered, double pane window.
         1. Mahogany jambs.
         2. Dimensions: 36 x 80 x 1-3/4 inches (915 x 2032 x 44.5 mm).
      4. Commercial Door: Pre-hung, handicapped accessible all-glass door, with bronze tinted glass (no wood on door itself).
         1. 2x Western Red Cedar jambs
         2. Dimensions: 36 x 80 x 5/16 inches (915 x 2032 x 8 mm).
    1. Sauna Heater:

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + - 1. Wall-Mounted Heaters:
         1. Model as recommended by manufacturer for sauna volume.
         2. Junior; 2.1 kW. 17.5 amps, 120 volts, SaunaLogic controls, for saunas from 45 to 100 cubic feet (1.25 to 2.8 cubic m)
         3. Junior; 3.0 kW, 25 amps, 120 volts, SaunaLogic controls, for saunas up to 150 cubic feet (4.2 cubic m).
         4. Junior; 3.0 kW, 12.5 amps, 240 volts, SaunaLogic controls, for saunas up to 150 cubic feet (4.2 cubic m).
         5. Viki; 4.5 kW, 18.8 amps, 240 volts, SaunaLogic controls, for saunas up to 210 cubic feet (5.9 cubic m).
         6. Viki; 6.0kW, 25 amps, 240 volts, SaunaLogic controls, for saunas up to 310 cubic feet (8.7 cubic m).
         7. Viki; 8.0 kW, 33.3 amps, 240 volts, SaunaLogic controls, for saunas up to 425 cubic feet (11.9 cubic m).
         8. Designer S; 4.5 kW, 18.8 amps, 240 volts, SC controls, for saunas up top 210 cubic feet (5.9 cubic m).
         9. Designer S; 6.0 kW, 25 amps, 240 volts, SC controls, for saunas up to 310 cubic feet (8.7 cubic m).
         10. Designer S; 8.0 kW, 33.3 amps, 240 volts, SC controls, for saunas up to 425 cubic feet (11.9 cubic m).
         11. Designer S; 8.0 kW, 22.2 amps, 208 volts, SC controls, for saunas up to 425 cubic feet (11.9 cubic m).
         12. Designer T; 4.5 kW, 18.8 amps, 240 volts, T1 touch controls, for saunas up top 210 cubic feet (5.9 cubic m).
         13. Designer T; 6.0 kW, 25 amps, 240 volts, T1 touch controls, for saunas up to 310 cubic feet (8.7 cubic m).
         14. Designer T; 8.0 kW, 33.3 amps, 240 volts, T1 touch controls, for saunas up to 425 cubic feet (11.9 cubic m).
         15. Designer T; 8.0 kW, 22.2 amps, 208 volts, T1 touch controls, for saunas up to 425 cubic feet (11.9 cubic m)
         16. Soft Heat Maxi; 4.5 kW, 18.8 amps, 240 volts, SC or Digi controls, for saunas up top 210 cubic feet (5.9 cubic m).
         17. Soft Heat Maxi; 6.0 kW, 25 amps, 240 volts, SC or Digi controls, for saunas up to 310 cubic feet (8.7 cubic m).
         18. Soft Heat Maxi; 8.0 kW, 33.3 amps, 240 volts, SC or Digi controls, for saunas up to 425 cubic feet (11.9 cubic m).
         19. Soft Heat Maxi; 8.0 kW, 22.2 amps, 208 volts, SC or Digi controls, for saunas up to 425 cubic feet (11.9 cubic m)
         20. Model \_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_ watts,\_\_\_\_\_\_\_\_\_\_amps, and \_\_\_\_\_\_\_\_ voltage.
         21. Control model number \_\_\_\_\_\_\_\_\_\_\_.
      2. Floor-Mounted Heaters:
         1. Heater model and controls as recommended by manufacturer for sauna volume.
         2. Professional; 10.5 kW, 1-phase, 43.7 amps, 240 volts, SC or Digi controls, for saunas up to 600 cubic feet (16.8 cubic m).
         3. Professional; 10.5 kW, 3-phase, 29 amps, 208 volts, SC or Digi controls, for saunas up to 600 cubic feet (16.8 cubic m).
         4. Professional; 12 kW, 1-phase, 50 amps, 240 volts, SC or Digi controls, for saunas up to 740 cubic feet (20.7 cubic m).
         5. Professional; 12 kW, 3-phase, 33 amps, 208 volts, SC or Digi controls, for saunas up to 740 cubic feet (20.7 cubic m).
         6. Professional; 14.4 kW, 1-phase, 60 amps, 240 volts, SC or Digi controls, for saunas up to 950 cubic feet (26.6 cubic m).
         7. Professional; 14.4 kW, 3-phase, 40 amps, 208 volts, SC or Digi controls, for saunas up to 950 cubic feet (26.6 cubic m).
         8. Octa; 10.5 kW, 1-phase, 43.7 amps, 240 volts, SC or Digi controls, for saunas up to 600 cubic feet (16.8 cubic m).
         9. Octa; 10.5 kW, 3-phase, 29 amps, 208 volts, SC or Digi controls, for saunas up to 600 cubic feet (16.8 cubic m).
         10. Octa; 12 kW, 1-phase, 50 amps, 240 volts, SC or Digi controls, for saunas up to 740 cubic feet (20.7 cubic m).
         11. Octa; 12 kW, 3-phase, 33 amps, 208 volts, SC or Digi controls, for saunas up to 740 cubic feet (20.7 cubic m).
         12. Octa; 14.4 kW, 1-phase, 60 amps, 240 volts, SC or Digi controls, for saunas up to 950 cubic feet (26.6 cubic m).
         13. Octa; 14.4 kW, 3-phase, 40 amps, 208 volts, SC or Digi controls, for saunas up to 950 cubic feet (26.6 cubic m).
         14. Heater model number \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, watts, \_\_\_\_\_\_\_\_\_ amps, and \_\_\_\_\_\_\_\_\_\_\_ voltage.
         15. Control model number \_\_\_\_\_\_\_\_\_\_\_.
      3. Heat Storing Heaters:
         1. Saunatonttu; 4.6 kW. 19.2 amps, 240 volts, built-in hand-held control, for saunas 175 to 310 cubic feet (5 to 8.7 cubic m).
         2. Saunatonttu; 6.0 kW. 25 amps, 240 volts, built-in hand-held control for saunas to 425 cubic feet (11.9 cubic m).
         3. Pikkutonttu; 4.5 kW. 18.8 amps, 240 volts, Digi controls, for saunas 100 to 210 cubic feet (2.8 to 5.9 cubic m).
         4. Pikkutonttu; 4.5 kW. 12.5 amps, 208 volts, Digi controls, for saunas 100 to 210 cubic feet (2.8 to 5.9 cubic m).
         5. Pikkutonttu; 6.5 kW. 27.1 amps, 240 volts, Digi controls, for saunas up to 350 cubic feet (9.9 cubic m).
         6. Pikkutonttu; 6.5 kW. 18.0 amps, 208 volts, Digi controls, for saunas up to 350 cubic feet (9.9 cubic m).
         7. Pikkutonttu; 9.0 kW. 37.5 amps, 240 volts, Digi controls, for saunas up to 500 cubic feet (14.2 cubic m).
         8. Pikkutonttu; 9.0 kW. 25.0 amps, 208 volts, Digi controls, for saunas up to 500 cubic feet (14.2 cubic m).
    1. Heater Controls:

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + - 1. For Junior and Viki Heaters: SaunaLogic, with 24 hour programmability, adjustable time and temperature, On/Off buttons for interior, exterior, and color lights; surface mounted; 8-3/4 inches (222 mm) wide by 5-3/4 inches (146 mm) by 1 inch (25.4 mm) deep.
      2. For Designer S, Soft Heat Maxi, Pro, and Octa Heaters: SC-60, with 60 minute timer, thermostat, light switch and indicator light; flush mounted; 4-1/2 inches (114 mm) wide by 10 inches (254 mm) high.
      3. For Designer S, Soft Heat Maxi, Pro, and Octa Heaters: SC-9, with 9+1 timer (60 minutes on with 9 hour delay), thermostat, light switch and indicator light; flush mounted; 4-1/2 inches (114 mm) wide by 10 inches (254 mm) high.
      4. For Designer S, Soft Heat Maxi, Pro, and Octa Heaters: SC Club, with on/off switch instead of timer (for use only in commercial saunas with an attendant on duty), thermostat, light switch and indicator light; flush mounted; 4-1/2 inches (114 mm) wide by 10 inches (254 mm) high.
      5. For Designer T Heaters: T1, with large touch screen operation for control of temperature and time settings, displays temperature in Fahrenheit or Celsius, sleep mode with integral sensor to activate screen when approached, delayed start feature to pre-heat sauna at selected time, multiple language settings including English and Spanish, flush mounted; 4 inches (102 mm) wide by 6-3/8 inches (162 mm) high.
      6. For Soft Heat Maxi, Pikkutonttu, Pro, and Octa Heaters: Digi I, with 24 hour programmability, adjustable time and temperature, ventilation fan and light buttons, surface or flush mounted; 5-1/2 inches (140 mm) wide by 6-7/8 inches (175 mm) high x 1-1/8 inches (29 mm) deep.
      7. For Soft Heat Maxi, Pikkutonttu, Pro, and Octa Heaters: Digi II, with 24 hour programmability, adjustable time and temperature, delayed start up with Saunasmart (automatically determines length of time needed to reach desired temperature), ventilation fan and light buttons, surface or flush mounted; 5-1/2 inches (140 mm) wide by 6-7/8 inches (175 mm) high x 1-1/8 inches (29 mm) deep.
      8. For Soft Heat Maxi, Pikkutonttu, Pro, and Octa Heaters: Digi VII, with 24 hour 7 day programmability, adjustable time and temperature delayed start up with Saunasmart (automatically determines length of time needed to reach desired temperature), integral audible high temperature alarm ventilation fan and light buttons, surface or flush mounted; 5-1/2 inches (140 mm) wide by 6-7/8 inches (175 mm) high x 1-1/8 inches (29 mm) deep.
    1. Benches: S4S, kiln-dried softwood.
       1. Tops: 24 inches (533 mm) wide, 1 x 4, clear Western Red Cedar; boards spaced at 9/16 inch (6.35 mm).
       2. Face: 1 x 4, clear Western Red Cedar.
       3. Internal Framing: 2x4 or 2x6.
       4. Fasteners: 4d galvanized or stainless steel finish nails or screws.

\*\* NOTE TO SPECIFIER \*\* Delete floor finish not required.

* + 1. Floor Finish: Removable Duckboard Flooring in walk area. OR
    2. Floor Finish: Interlocking plastic tiles, to fill sauna walking space, for installation on a finished floor.
    3. Heater Guard Rail: S4S, kiln-dried Western Red Cedar, dimensioned to surround heater at distance approved by UL.
    4. Accessories:
       1. Thermometer: Manufacturer's standard design.
       2. Wood bucket with plastic liner and wood ladle.
       3. Light: Wall-mounted, UL listed, vapor-proof fixture with frosted white globe and brushed aluminum finish.
       4. Two (2) small headrests.

\*\* NOTE TO SPECIFIER \*\* Accessories listed below are optional. Delete if not required.

* + - 1. Sand timer.
      2. Sauna hygrometer/thermometer, brass edging, 7 inches (178 mm) diameter.
      3. Sauna hygrometer/thermometer, chrome edging, 5 inches (127 mm) diameter.
      4. Hygrometer: Manufacturer's standard design.
      5. Set of body brushes.
      6. Pine bucket.
      7. Head/backrest.
      8. Towel rack.
      9. Vents

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Adjacent Construction for Pre-Cut Saunas:
       1. Sub-Floor: Specified in Section 03 30 00 - Cast-in-Place Concrete.
       2. Sub-Floor: Specified in Section 06 10 00 - Rough Carpentry.
       3. Wall and Ceiling Framing: Specified in Section 06 10 00 - Rough Carpentry
       4. Wall and Ceiling Insulation: Specified in Section 07 21 26 - Blown Insulation.
       5. Exterior Wall Finish: Furnished by others; to match other walls in room.
       6. Exterior Wall Finish: Tongue and groove, clear Western Red Cedar boards.
    2. Sauna Fabrication: Assemble saunas and sauna components with blind nailing and concealed fasteners at exposed surfaces, to prevent physical contact with metal by sauna occupants.
    3. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. STEAM ROOMS

\*\* NOTE TO SPECIFIER \*\* Delete boiler type not required.

* + 1. Steam Boiler: Helo Commercial by Amerec Steam Boiler (All steel construction with powder coat finish and stainless steel feet to prevent corrosion), of size as recommended by manufacturer based on volume of room and type of construction materials employed.
       1. Provide IT1 control package with external control system including indicator light to show bath is on.
       2. Provide Cool Flush Auto Drain System that ensures the unit is flushed and drained daily, eliminating the need to rely on maintenance personnel to perform the procedure.
       3. Provide 24-hour, 7-day timer, to turn the generator on and off at a specific time each day of the week.
       4. Provide high temperature alert alarm, to set off audible alarm at a specific temperature and interrupt power to the unit when that temperature setting is exceeded.
       5. Room "over-temperature shut down" turns boiler elements off and blinks indicators to show alarm.
       6. Indicator lights with integral diagnostics.

\*\* NOTE TO SPECIFIER \*\* Items below are optional. Delete if not required.

* + - 1. Digital Timers for on/off operation and Auto-drain programming.
      2. Low Water Cut-Off, where required by code.
      3. IT1 control to be boiler mounted.
    1. Steam Boiler: Helo Commercial by Amerec Steam Boiler (All steel construction with powder coat finish and stainless steel feet to prevent corrosion), of size as recommended by manufacturer based on volume of two (2) steam rooms and type of construction materials employed. The steam boiler is to provide steam to two (2) rooms, each independently controlled.
       1. Provide IT1 and IT2 control packages with external control system including indicator light to show bath is on.
       2. Provide Cool Flush Auto Drain System that ensures the unit is flushed and drained daily, eliminating the need to rely on maintenance personnel to perform the procedure.
       3. Provide 24-hour, 7-day timer, to turn the generator on and off at a specific time each day of the week.
       4. Provide high temperature alert alarm, to set off audible alarm at a specific temperature and interrupt power to the unit when that temperature setting is exceeded.
       5. Room "over-temperature shut down" turns boiler elements off and blinks indicators to show alarm
       6. Indicator lights with integral diagnostics

\*\* NOTE TO SPECIFIER \*\* Items below are optional. Delete if not required.

* + - 1. Digital Timers for on/off operation and Auto-drain programming.
      2. Low Water Cut-Off, where required by code.
      3. IT1 and IT2 controls to be boiler mounted.
    1. Steam Boiler: Helo Commercial by Amerec Steam Boiler (All steel construction with powder coat finish and stainless steel feet to prevent corrosion), of size as recommended by manufacturer based on volume of room and type of construction materials employed
       1. Provide T100B touch screen control package with external control system including programmable temperature and time displays, light switch, and temperature read out in Celsius or Fahrenheit.
       2. Provide Cool Flush Auto Drain System that ensures the unit is flushed and drained daily, eliminating the need to rely on maintenance personnel to perform the procedure.
       3. Provide 24-hour, 7-day timer, to turn the generator on and off at a specific time each day of the week.
       4. Provide high temperature alert alarm, to set off audible alarm at a specific temperature and interrupt power to the unit when that temperature setting is exceeded.
       5. Room "over-temperature shut down" turns boiler elements off and blinks indicators to show alarm.
       6. Indicator lights with integral diagnostics.

\*\* NOTE TO SPECIFIER \*\* Items below are optional. Delete if not required.

* + - 1. Digital Timers for on/off operation and Auto-drain programming. (Optional)
      2. Low Water Cut-Off, where required by code. (Optional)
    1. Steam Boiler - Light Commercial/Heavy Commercial: Helo Commercial by Amerec Steam Boiler (All steel construction with powder coat finish and stainless steel feet to prevent corrosion), of size as recommended by manufacturer based on volume of two (2) steam rooms and type of construction materials employed. The steam boiler is to provide steam to two (2) rooms, each independently controlled.
       1. Provide T100B-1 and T100B-2 control packages with external control system including programmable temperature and time displays, light switch, and temperature read out in Celsius or Fahrenheit.
       2. Provide Cool Flush Auto Drain System that ensures the unit is flushed and drained daily, eliminating the need to rely on maintenance personnel to perform the procedure.
       3. Provide 24-hour, 7-day timer, to turn the generator on and off at a specific time each day of the week.
       4. Provide high temperature alert alarm, to set off audible alarm at a specific temperature and interrupt power to the unit when that temperature setting is exceeded.
       5. Room "over-temperature shut down" turns boiler elements off and blinks indicators to show alarm.
       6. Indicator lights with integral diagnostics.

\*\* NOTE TO SPECIFIER \*\* Items below are optional. Delete if not required

* + - 1. Digital Timers for on/off operation and Auto-drain programming.
      2. Low Water Cut-Off, where required by code.
    1. Steam Generator - Residential/Light Commercial: Helo Commercial by Amerec Steam Generator, with "Gentle Steam" function, of size as recommended by manufacturer based on volume of room and type of construction materials employed.
       1. Provide insulated steam head and escutcheon.
       2. Provide steam generator controls.
       3. Provide auto drain.

\*\* NOTE TO SPECIFIER \*\* Delete door type not required.

* + 1. Glazed Commercial Steam Doors for Site-Constructed Steam Rooms:
       1. Size: 36 by x 84 inches (915 by 2134 mm), for 40 by 86 inches (1016 by 2184 mm) finished opening.
       2. Hinge and Lock Stiles: 2 inches (50 mm) wide.
       3. Top Rails: 2-1/2 inches (63 mm) wide.
       4. Bottom Rails: 10 inches (254 mm) wide.
       5. Glazing: 1/4 inch (6 mm) clear tempered float glass.
       6. Provide hinges to suit application.
       7. Closer, mounted outside of steam room.
       8. Weatherstripping on jambs and head and vinyl sweep on bottom, providing vapor-tight seal when closed.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Modular Steam Room Enclosures:
       1. Acrylic Modular Steam Rooms: Prefabricated, packaged unit, complete with fittings.
          1. Construction: Formed acrylic sheet
          2. Thickness: 5/32 inch (4 mm) walls and ceiling.
          3. Finish: High glazed, white color.
       2. Capacity and Dimensions: Our 5 standard sizes are listed; other sizes available.

\*\* NOTE TO SPECIFIER \*\* Delete types and sizes not required

* + - 1. Elysee Steam Rooms are constructed with acrylic seats formed in the molded wall panels. One LED downlight above each seat module. 9/32 inch (7 mm) seating areas with block reinforcement from behind.
         1. Elysee 4F - 52.75 inches (1340 mm) x 83.5 inches (2121 mm) x 81.5 inches (2070 mm) - 4 person capacity.
         2. Elysee 6F - 76 inches (1930 mm) x 83.5 inches (2121 mm) x inches (2070 mm) - 6 person capacity.
         3. Elysee 8F - 99.25 inches (2521 mm) x 83.5 inches (2121 mm) x inches (2070 mm) - 8 person capacity.
      2. Excellent Steam Rooms are constructed with flat acrylic wall panels and two tiered stand-alone, white lacquered aluminum benches (similar to standard commercial construction). Ceiling mounted lights, as appropriate for size of room. White lacquered, aluminum benches, 7/8 inch (22 mm) thick tops
         1. Excellent 8FL - 76 inches (1930 mm) x 83.5 inches( 2121 mm) x inches (2070 mm) - 8 person capacity.
         2. Excellent 12FL - 99.25 inches (2521 mm) x 83.5 inches (2121 mm) x inches (2070 mm) - 12 person capacity.
      3. Door: All glass door mounted on aluminum frame. Glass 5/16 inch (8 mm), tempered and tinted. Standard width is 35-1/2 inches (1010 mm)
    1. Thermal Insulation: No insulation is required or recommended.

1. EXECUTION
   1. EXAMINATION
      1. Verify that required utilities are properly sized and in correct locations. Verify that substrates are in proper condition to receive work of this section. Do not begin installation until substrates have been properly prepared. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding
   2. INSTALLATION
      1. Install units and accessories in accordance with approved shop drawings and manufacturer's printed instructions. Install in proper relationship with adjacent construction.
      2. Install and connect components to utilities in accordance with manufacturer's printed instructions.
   3. CLEANING AND PROTECTION
      1. Clean soiled surfaces in accordance with manufacturer's instructions.
      2. Protect components from damage until completion of project.
      3. Touch-up, repair or replace damaged products after Substantial Completion

END OF SECTION