

Date:

Bid Date:

Project #:

Location:

Project Name:

Engineer:

Contractor:

Prepared By:

# LAARS-Stor<sup>®</sup> SS Residential Indirect Water Heater

Model LS-SS - 30, 40, 50, 75 Gallons.  
**2018 October and Later.**

## Specification

Contractor shall supply and install Qty: \_\_\_\_\_ Laars-Stor SS Energy Saver Stainless Steel indirect water heater.

The water heater shall be a Laars-Stor model LS-SS-\_\_\_\_\_-L, and shall have a U.S. gallon capacity of \_\_\_\_\_ gallons (\_\_\_\_\_ liters).

Unit shall have a coil capacity of \_\_\_\_\_ gallons (\_\_\_\_\_ liters), and a heating surface area of \_\_\_\_\_ square feet. Boiler flow through the coil shall be \_\_\_\_\_ U.S. gallons per minute with a pressure drop of \_\_\_\_\_ feet w.c., from a boiler with gross output of \_\_\_\_\_ BTU/hr. With 180°F (82°C) supply and 140°F (60°C) stored water temperature, first hour delivery shall be \_\_\_\_\_ gallons, with a recovery of \_\_\_\_\_ gallons per hour at 90°F (50°C) temperature rise.

The unit shall be certified at 300 PSI (2068 kPa) test pressure and 150 PSI (1034 kPa) working pressure.

The water heaters shall meet or exceed the insulating standards established under ASHRAE Standard 90.1b (current edition). CFC-free polystyrene insulation shall cover the sides and top of the tank to save energy by retarding heat loss. Stand-by heat loss shall be less than ½°F per hour.

Tank and heat exchanger shall be chromium molybdenum titanium ferritic 444 stainless steel alloy.

Potable water connections shall be ¾" NPT. Boiler supply and return connections shall be 1" NPT female, and shall be located on the front of the unit. Connection nipples shall be factory-installed for easier installation and longer water heater life.

Unit shall be furnished with fully automatic control aquastat, temperature/pressure valve, and brass drain/return valve.

Replaceable parts shall carry a 6-year limited warranty, and the tank and heat exchanger shall carry a life-time limited warranty.