

SECTION 223300 - ELECTRIC DOMESTIC WATER HEATERS

PART 1 GENERAL

1.1 WORK INCLUDED

- A. Electric Domestic Water Heater

1.2 RELATED WORK

- A. Section 22 05 23 - General Duty Valves for Plumbing Piping
- B. Section 22 11 19 - Domestic Water Piping

1.3 SUBMITTALS

- A. Submit shop drawings and product data under provisions of Sections 01 33 00.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Water Heater
 - 1. A.O. Smith
 - 2. Bradford-White
 - 3. State
 - 4. Rheem/Ruud.
 - 5. Substitution: Under provisions of Section 01 25 00.

2.2 DOMESTIC WATER HEATER

- A. The water heater shall be Dura-Power model as manufactured by A.O. Smith or an approved equal. Models shall meet the standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1. Heater shall be rated at capacity and size listed on drawings. Heater shall have 150 psi working pressure and be equipped with extruded high density anode rod. All internal surfaces of the heater exposed to water shall be glasslined with an alkaline borosilicate composition that has been fused-to-steel by firing at a temperature range of 1400 degrees F to 1600 degrees F. Electric heating elements shall be medium watt density with zinc plated copper sheath. Each element shall be controlled by an individually mounted thermostat and high temperature cutoff switch. The outer jacket shall be of backed enamel finish and shall enclose the tank with foam insulation. Electrical junction box with heavy duty terminal block shall be provided. The drain valve shall be located in the front for ease of servicing. Heater shall include ASME T&P relief valve and drain valve.
- B. Heater tank shall have a three year limited warranty as outlined in the written warranty. Fully illustrated instructions manual shall be included.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install equipment per manufacturer's recommendations.
- B. Provide drain pan under water heater. Refer to drawings.

END OF SECTION 223300