

Statement of Work Furnish and Install Water Heater for Building #1

1.0 INTRODUCTION

1.1 The Government requires Furnish and Install Hot Water Heater (Water Heater/Heat Exchanger) and associated piping for the domestic hot water system for Building #1 in support of the Miami VA Medical Center, 1201 NW 16th ST, Miami, FL, Engineering Service.

2.0 DESCRIPTION/SCOPE/OBJECTIVE

2.1 The Contractor must provide all labor, equipment, tools, material, supervision and other items and services necessary to perform the work as defined in this Performance Work Statement.

SALIENT CHARACTERISTICS:

- a. Shall have Accurate temperature control $\pm 4^{\circ}\text{F}$
- b. Shall have Choice of electronic or pneumatic controls
- c. Shall have Compact foot print $< 4\text{ft}^2$
- d. Shall have Automatic self-descaling
- e. Shall have no less than 11 and no more than 15 coils.
- f. Shall have Automatic condensate subcooling
- g. Shall have Fully modulating variable steam input
- h. Shall have no trap or storage tanks required
- i. Shall have Low surface temperature
- j. Shall be ASME- B&PV Code Sec. VIII, Div. 1 Stamped
- k. Shall have All copper or copper alloy wetted surfaces
- l. Shall have 10-year warranty on complete Hx
- m. Shall have 20-year warranty on pressure vessel and integral demand anticipator
- n. Shall be able to support following applications:
 - 5 to 150 PSIG steam supply
 - Intermittent water flow rates up to 250 GPM
 - Set point range 50°F to 205°F
 - 235 PSIG ASME Working Pressure Certified
 - Single or multiple installation
- o. The heater shall be able to maintain outstanding temperature control when operated under constant load conditions with variances held to $\pm 4^{\circ}\text{F}$ under normal load changes.
- p. Shall be able to deliver accurate temperature control without the need for storage tanks, blending valves or other temperature averaging components.
- q. The heater shall be able to be remotely monitored and/or fully integrated with BAS software.
- r. All water wetted parts shall be made of copper or copper alloy materials
- s. Heater shall be self-descaling in order to eliminate the need for periodic, acid cleaning or tube scraping.

- t. The Heater shall have the ability to be quickly and easily “thermal shocked” as part of a routine maintenance plan.
- u. Water heater shall be able to fit into a space that is no greater than 3ft by 3ft.

3.0 PERFORMANCE REQUIREMENTS

3.1 Furnish and install Hot Water Heater (Water Heater/Heat Exchanger) and associated piping for the domestic hot water system for Building #1. Contractor shall furnish to the Government all services, materials, supplies, and inspection of piping in the general area.

3.2 Contractor shall be onsite when new water heater and piping is being tested to the proper water temperature designated by the Medical Center.

3.3 Any immediate safety issue found is to be reported to the COR on same day of finding for possible immediate repairs/services. The COR will be Mr. Scott Olsen (305-575-7000 ext. 6576)

3.4 All work shall be performed at the Miami VA Medical Center and shall conform to the current edition of the International Building Code (IBC), as adopted by Miami Dade County and/or local code, incorporated by reference and made a part of this standard. Where there is a conflict, the most stringent standard will apply.

3.5 All required licenses and permits shall be the responsibility of the Contractor.

4.0 PERFORMANCE LOCATION AND HOURS

4.1. Primary place of performance is the Bruce W. Carter, Miami VA Medical Center, 1201 16th Street, Miami, Florida. Working spaces will be provided by the Government. All required work will be completed during normal business hours Mon- Fri from 7:00am – 4:30pm

5.0 DELIVERABLES

5.1 The Contractor shall provide all associated paperwork from the manufacturer.

- a. Warranty documentation
- b. Owner manuals/CD