PART 1 - GENERAL

1.01 Generate hot water at 140 degree F and deliver all potable hot water to the point of use at 120 degree F; except commercial kitchens, to be per equipment manufacturer’s requirements. Temper hot water at public restroom lavatories to 105 degree F.

1.02 Circulate all hot water main lines to maintain temperature.

PART 2 - PRODUCTS

2.01 For larger applications: semi-instantaneous steam fired hot water heater. Self-descaling unit using helically wound coils. ASME rated. AERCO with electronic control valve. No substitutions, no alternate brand requests.

2.02 Avoid electric hot water heaters if possible. Indirect hot water heaters are discouraged because of the need to circulate glycol heating fluid in summer months. For small application with available steam, use brazed plate heat exchanger with adjacent hot water storage tank and circulation pump.

2.03 Mixing valve or tempering station: Provide as needed. Review with FS/DDC

PART 3 - EXECUTION

3.01 Install temperature and pressure sensors/gauges on hot water discharge lines.

END OF SECTION