

**PART 1 - GENERAL**

1.01 Purpose:

A. This standard is intended to provide useful information to the Professional Service Provider (PSP) to establish a basis of design. The responsibility of the engineer is to apply the principles of this section such that the University may achieve a level of quality and consistency in the design and construction of their facilities. Deviations from these guidelines must be justified through LCC analysis and submitted to the University for approval.

**PART 2 – PRODUCTS**

2.0 Manufacturers: RayPac or SHSU approved equal. A.O. Smith & Lochinvar not allowed.

2.02 Water to Water Heat Exchangers:

- A. Provide ARI 400 certified plate and frame type heat exchanger rated for working pressure of hydronic system.
- B. Provide with type 304 stainless steel plates and plate hangers. Frame shall be carbon steel with epoxy corrosion resistant finish.
- C. A combination of condensing and non-condensing boilers shall be used. Base line boiler shall be condensing and trim boiler shall be non-condensing.
- D. Boilers shall be sized to facilitate N+1 redundancy.

END OF STANDARD