

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.

1.02 References:

1.03 Requirements:

- A. Provide shell and tube type heat exchangers with removable tube bundles.
- B. Provide dielectric fittings on heat exchanger water connections.

PART 2 – PRODUCTS

2.00 Manufacturers: RayPac & Cleaver Brooks. A.O. Smith & Lochinvar is not allowed.

2.01 Not Used

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