

PART 1: GENERAL

1.01 General:

- 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.
- B. SHSU's desire is to ensure that all new refrigeration equipment delivered to campus conforms with EPA guidelines for refrigerants and is serviceable by SHSU Maintenance Department. The goal is to have equipment provided that is designed for and provided with final replacement HFC refrigerants
- C. SHSU's desire is to standardize on refrigerant types as a means for minimizing the number of refrigerants in inventory. To accomplish this only selected refrigerants are acceptable.
- D. It is the intent that all refrigeration equipment be 100% serviceable by SHSU maintenance personnel. Exotic refrigeration systems that require specialty service equipment, refrigeration charges, or other non-

gasketed seams. Welded seams are acceptable provided that basin mater is 316L stainless steel. Concrete basins shall be made of Type II concrete with fly ash as per ACI 310. The mat for the concrete basins shall be a monolithic pour only, NO EXCEPTIONS. Basin walls for Concrete design shall be constructed with minimal control joints.

5. All internal

