15681-H: SUPPLEMENTAL WATER CHILLERS GUIDELINE FOR UMHHC FACILITIES

Related Sections

Basis Guideline: 15681 - “Water Chillers”
For an explanation of the use of these guidelines, see SID-A-H “Design Guidelines for UMHHC Facilities”

General

All UMHHC Inpatient facilities shall be provided with N+1 redundant chillers and supporting equipment/distribution.

Identify capacity and a means of providing an uninterruptible, emergency powered chilled water source in all UMHHC facilities. Design shall incorporate a means of redundancy and not rely on a single emergency powered chiller.

Provide 5 year parts and labor warranty on all compressors.

Chillers shall be selected on a fouling factor of 0.0001 in the evaporator and 0.00025 in the condenser.

Tube walls shall be 0.025” in the evaporator and 0.035” in the condenser. All tubes shall be 1” size.

A signal from UMH Systems Monitoring to the chiller shall start the chiller and initiate all peripheral equipment (chilled water and condenser water pumps).

The manufacturer, in conjunction with any other necessary vendors or subcontractors, shall provide an 8-hour training session covering the chillers operation and maintenance for the Maintenance personnel.

Architect/Engineer to specify that UMHHC maintenance mechanic and UMHHC Mechanical Engineer to be present at the factory for chiller performance testing (cost of the field trip shall be included as a part of each project).

A/E shall specify the use of an interface panel as required for monitoring points outlined under 15975-H “Mechanical Systems Controls Guideline”.

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