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4-23-2015

236400 - Chillers

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Recommended Citation

Weatherbee, Stephanie L., "236400 - Chillers" (2015). *Division 23 – Heating, Ventilating and Air-Conditioning*. 7.

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SECTION 23 6400 – CHILLERS

1.1 SUMMARY

A. Section Includes:

1. Air-Cooled Chillers.
2. Water-Cooled Chillers.

B. See Chapter 5, Division 01, Section 017700.1.1.B.1.i Closeout Procedures - Project Record Documents for equipment list requirements for all equipment provided in this section.

1.2 SUBMITTALS

A. LEED Submittal:

1. Product Data for Credit EA 4: Documentation required by Credit EA 4 indicating that equipment and refrigerants comply.

1.3 GENERAL

A. Manufacturers:

1. Carrier.
2. Trane.
3. York.

B. Type of chiller shall be selected based on life cycle cost and approved by UNH.

C. Chillers shall have unloading capability to meet the lowest load on the system.

D. Chiller control panel shall be interfaced with the Building Automation System (BAS). BACnet is the preferred communication protocol. The type of interface shall be reviewed and approved by the University to ensure adequate provisions for communication of necessary information to the campus BAS.

E. Floor drains shall be provided within 25 feet of chillers to permit tube cleaning/head removal maintenance.

F. For larger sized chillers, I-beams should be provided to allow removal of chiller cover plates for annual cleaning.

G. Negative pressure chillers should not be used.

END OF SECTION 23 6400