



## 01063

### **HVAC Regulatory and Directive Standards**

*This document provides design standards only, and is not intended for use, in whole or in part, as a specification. Do not copy this information verbatim in specifications or in notes on drawings. Refer questions and comments regarding the content and use of this document to the Yale University Project Manager.*

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#### **A. Summary**

This section identifies applicable HVAC design standards, codes, and references, and describes broad system concepts that address a number of sub-systems. These sub-systems are generally described here, but might be further described and specified in a separate section of the Yale University Design Standards. This and all other applicable sections should be read carefully and understood before designing or specifying any system or piece of equipment.

#### **B. System Design and Performance Requirements**

Design the HVAC system for longevity, durability and flexibility. Include redundant equipment in the design to provide Yale University with the capability to maintain the HVAC system without disturbing normal building operation. See [Section 00705: General HVAC Design Conditions](#) and the Division 15 mechanical sections of these standards for further, detailed design requirements.

The design team is responsible for coordinating the construction drawings to ensure that adequate space is available in the general location of each component. The general contractor or construction manager is responsible for coordinating the construction to ensure compliance with this space requirement. Any corrective work is at the expense of the general contractor or construction manager.



### C. Project Document Inclusions

1. Include under General Requirements in the specifications, such statements as the following:
  - a. *Until construction is complete, protect all equipment from water, dirt, and physical damage.*
  - b. *Cover pumps, fans and similar equipment with tarpaulins or heavy plastic to protect bearings, motors, couplings, and other such components from weather and dust.*
  - c. *Do not use mechanical equipment as scaffolding or working platforms for other trades (painters, plasterers).*
  - d. *Upon completion of construction, chipped or scratched factory-finished equipment must be "touch-up" painted by the painting contractor at mechanical contractor's expense.*
2. Place the following note in bold type on each MEP sheet:

*All control boxes, control valves (of every type, shape, and function), and DDC control boxes must be installed in such a manner as to be fully and reasonably accessible and free from insulation or other construction components. Fully and reasonably accessible is defined as capable of being accessible for repair or replacement by an average-size individual, on a ladder if necessary, and capable of being removed without removing other components of the work.*

### D. Memos

Include any memos issued that affect changes and updates to the design standards.

### E. Submittals

See [Section 01330: Designer Submittals](#) and the Division 15 mechanical sections of these standards for submittals requirements.