

PART 1 - GENERAL

1.01 Intent of Document

The information included in this section is intended to identify the **SPECIFIC ITEMS** required by Oklahoma State University in the design and construction of facilities on the campus. Items of "normal, code, industry or standard construction practice" are not included in this section.

1.02 Design Criteria

- A. On mechanical floor plans, indicate with dotted lines the horizontal access clearance requirements for maintenance of air terminal boxes.
- B. Indicate required straight duct length entering air terminal boxes.
- C. Specify maximum sound ratings for air terminal boxes.
- D. Coordinate with Architect to ensure there are access doors through walls and hard ceilings wherever necessary to reach the HVAC equipment. Access doors and panels should be a minimum of 24" x 24" unless access can be handled easily with a smaller door. Locate all access doors and panels in a manner that meets applicable safety standards. This includes doors and panels for smoke and fire dampers.
- E. Terminal units shall be ARI certified. The unit casing shall be a minimum of 22 gauge galvanized steel. The damper shall be heavy gauge steel with peripheral gasket and a solid metal shaft rotating in self-lubricating bearings. Casing lining shall have 3/4-inch thick, coated, fibrous-glass duct liner secured with adhesive. Cover liner with nonporous foil.
- F. Hot-Water Heating Coils shall be copper tube, mechanically expanded into aluminum fins, leak tested to 200 Psig., and factory installed.

PART 2 - PRODUCTS

2.01 Approved Manufacturers

- A. Environmental Technologies, Inc.
- B. Price Industries
- C. Titus

END OF SECTION 15840