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. Support exposed ducts with rods bolted to duct angle stiffeners or to steel angle or channel cradles. Support vertical risers at each floor level with intermediate guide support midway between floor.

B. Provide piping hanger rods with a minimum ⅜ inch diameter.

C. Expansion shells are not allowed in new construction.

D. Do not use powder actuated inserts.

E. Hangers in contact with steel, iron, cast or ductile iron shall be plated to prevent electrolysis and corrosion.

F. Hangers in contact with copper piping shall be copper clad or have a suitable lining to prevent electrolysis.

G. Hangers for cold insulated pipe shall be sized to fit around the outside of the insulation.

H. Specify galvanized metal shields and heavy density insulation inserts at cold piping hangers and roller support points to prevent insulation damage.

I. Plastic piping shall be supported on continuous galvanized steel trough with clevis hanger spacings as indicated for metallic piping, or as recommendd by supplier.

J. Pipes that run parallel and have similar grade or pitch may be supported on trapeze hangers with spacing determined by the smallest pipe.

K. Special pipe hanger and support provisions required for control of pipe expansion, vibration, and sound transmission shall be in accordance with good sound attenuation practice.

L. Steam pipe guides and anchors shall be engineered, detailed, and locations shown on drawings.

M. Pipes on roofs shall be supported by roller supports of adjustable height. Wood blocks and straps are not acceptable for lengths greater than six feet.

END OF SECTION 15060