

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 Gauges and Thermometers

- A. Provide gauges and/or thermometers in the following locations:
1. Magnehelic gauges for all air filters.
 2. Pressure gauges at all pressure reducing valves to indicate both high and reduced pressures.
 3. Pressure gauges at all pump suction and discharges. One gauge with manifold and isolation valves is acceptable.
 4. Thermometers on heating and domestic hot water systems to indicate supply and return temperature, including main and building tempering valves.
 5. Thermometers on heating, cooling and outside air ventilating systems to indicate temperatures at outside air inlet, mixed air, and supply air.
 6. Provide pressure gauges and thermometers at locations necessary for maintenance and troubleshooting. Specify pressure/temperature test stations, combination (P/T plug), in locations where temperature and pressure measurements are needed only for occasional use, such as reheat coils. The basis of design shall be Peterson Equipment Company (Pete's plug).
- B. Pressure gauges shall read mid-scale at normal operating pressure.
- C. Locate all thermometers and gauges so that they are both visible and readable from an accessible and safe location.
- D. Water and steam pressure gages shall be liquid filled.
- E. Thermometers shall be digital, solar powered, with front calibration screw.

END OF SECTION 15127