

- A. Outlets: All University Hospital medical air outlets shall be Ohio Medical "Diamond III" outlets unless otherwise approved.
- B. Piping: Copper tube, ASTM B88, Type L, hard temper with wrought copper fittings.
- C. Valves: Section valves shall be in recessed boxes. Section valves shall be by Ohio Medical Products, unless otherwise approved, for single or multiple services as required. Valves shall come with factory brazed tube extensions, pressure tested, cleaned for air service and capped. Valves shall be ball-type.
- D. Pipe Joints: Brazing with Sil-Phos.
- E. Air compressors: Air compressors shall be Ohio Medical unless specifically stated otherwise, and shall be purchased with all necessary components (check valves, pressure relief valve, pressure guage, etc.) factory installed.

EXECUTION:

- A. Piping shall not be installed in floor slabs.
- B. Piping installed in solid walls shall not be permitted unless installed in a chase or casing.
- C. Piping inside any building shall not be run in or through an air duct, clothes chute, chimney or vent, ventilating duct, dumbwaiter, or elevator shaft.
- D. Piping shall be supported at five foot intervals. Multiple pipes shall be hung together where possible.
- E. While being brazed, joints shall be continuously purged with dry nitrogen.
- F. Section valves (in recessed boxes) shall be installed in a corridor with top of box 66" above finished floor. Recessed boxes may contain up to five valves serving different medical gases.
- G. All medical air piping systems shall be tested for cross-connection and certified by qualified personnel other than the installing contractor.

