

CHAPTER VII

EQUIPMENT AND SYSTEMS IN HAZARDOUS OCCUPANCIES

700.0 Heating and Ventilating Equipment in Hazardous Occupancies.

700.1.

Heating and ventilating equipment in occupancies involving fire hazards from flammable vapors, or dusts, or readily combustible fibers or other highly combustible substances shall be so designed and installed to be reasonably safe to persons and property. Conformance of the design and installation of such equipment to the applicable provisions of this code shall be deemed to be reasonably safe to persons and property; on matters not detailed in this code conformity to the applicable standards for this section located in the Appendix of this Code shall be evidence that such equipment is designed and installed so as to be reasonably safe to persons and property.

701.0

See Chapter X for Blower and Exhaust Systems for Dust, Stock, Flammable and Non Flammable Vapor Removal and Conveying.

702.0

Spray booth construction, operation and maintenance together with spray finishing shall comply with NFPA 33.

703.0

For Research Laboratories, fume hoods shall be carefully constructed with suitable materials, ducts and fans to recognize the hazardous chemicals (Perchloric acid is an example). Fan blades, duct materials and hood material shall be non-ferrous and non-combustible construction, and with explosion proof motores when required for certain hazardous chemicals. All light fixtures, receptacles, and switches inside the fume hood shall be explosion proof. Where deemed necessary or advisable for safety, wash down spray for duct from top down and the inside surface of the fume hood shall be provided.

