U.F.C. Section 80.109
Approved Storage Cabinets may be used where it is desired to keep more than 10 gallons of flammable or more than 60 gallons of combustible liquids inside of buildings. No individual container shall exceed 5 gallons capacity and not over 120 gallons shall be stored in any one cabinet. Of this total, not more than 60 gallons may be of Class I and Class II liquids (flash point below 140°F). A maximum of three such cabinets may be located in a single fire area, except that in an industrial occupancy, additional cabinets, is separated from any other cabinets or group of cabinets by at least 100 feet.

Class 1 flammable liquids (flash point below 100°F) shall be dispensed only from approved safety cans inside buildings unless dispensed within an inside storage and handling room or other room approved for such use.

Metal cabinets shall be constructed of No. 18 gauge sheet iron and double walled with 1 1/2 inch air space. Joints shall be riveted, welded, or made tight by some equally effective means. Doors shall be self-closing and provided with a three-point lock and latch. The doorsill shall be raised a minimum of two inches above the bottom of the cabinet.

Wooden cabinets and chests shall be constructed of minimum one-inch thick marine grade plywood. All joints shall be rabbeted and shall be fastened in two directions with flathead wood screws. When more than one door is used, there shall be a rabbeted overlap of not less than one inch. Doors shall be self-closing and equipped with latching devices. Hinges shall be mounted in such a manner as to not lose their holding capacity due to loosening or burning out of the screws when subjected to fire. For chests, stops shall be fastened to the rear of the chest to prevent the lid from being opened to, or past, vertical. This is to insure that the lid is self-closing.

Every cabinet or chest shall be liquid tight to the top of a minimum of two-inch high sill.

All cabinets and chests shall be painted with an approved intumescent type fire-retardant paint and be conspicuously labeled in red letters, a minimum of four inches high, "FLAMMABLE-KEEP FIRE AWAY" or "HAZARDOUS-KEEP FIRE AWAY," depending on the commodity stored.

NOTE: Corrosive liquids and oxidizing materials shall be stored separately from flammable liquids.

See reverse side for cabinet construction recommendations.

Ron Thompson, Building Official
DATE: February 9, 2006
(Ref. 96-01, 00-03)