Duct material is to be 18 GA. type 316 stainless steel. Weld filler metal is to be compatible with the base metal. Duct interior is to be smooth to prevent residue from collecting in the duct. No fire dampers or smoke dampers are to be used in the fume duct system. Interior fume duct are to operate under negative pressure. Duct systems are to have 0 leakage within recognized tolerance. Bolts are to be 3/8” course thread grade 5 zinc chromate finish. Threads are to extend 1/2” past the nut. Pressure test each installation. Slope ductwork 1/8”-1/4” per ft. to drain into fumehood. Duct velocity is to be within 1800-2000 FPM.