

# Bonding Requirements for C.S.S.T. Gas Tubing

The Building Department is aware of the various brands and types of C.S.S.T. gas tubing available and that some manufacturers state that no additional bonding is required for some of their piping systems. They further say that state and local codes prevail. We often see the black carbon composite protective coating damaged in the field and most often, too much is stripped away when the fittings are installed.

Since it is impossible for the inspector to verify that every section of tubing has the protective coating perfectly intact, and in the interest of life-safety, it is the policy of the Tolland Building Department (AHJ) to require **ALL C.S.S.T. to be bonded**, regardless of the manufacturer's advertising claims. This requirement applies to *Flash Shield* and *Counter Strike* products.

A pipe clamp must be installed on the black iron pipe or manifold, prior to the first C.S.S.T. fitting, or on the first C.S.S.T. fitting, where the pipe enters the building. A #6 AWG copper conductor must connect to the equipment grounding bar in the panel. Please reference NFPA 54, section 7.13.2 for further guidance.