



OFFICE APPROVAL OF ALTERNATE METHOD

OFFICE INTERPRETATION

**TO: Building, Plumbing, Mechanical & Electrical Contractors**  
**FROM: Armin Wallner, Chief Building Services Official**  
**DATE: March 29, 2007**  
**SUBJECT: Bonding of Corrugated Stainless Steel Tubing (Gas lines) Systems**

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Recently this Division received requests regarding our policy for bonding CSST systems. The main concern is whether we enforce National Electric Code Article 250-104 (B) or the Manufacturers Installation instructions.

Technical bulletins for Gastite, Wardflex and Trac pipe, require the gas piping system to be bonded in accordance with Article 250-66 of the NEC instead of Article 250-104(B). This division will take the position of enforcing the manufacturer's installation instructions to include the written text in paragraphs (A), (B), & (C) of Article 250-66. Therefore the bonding conductor need not be larger than required by text or table of Article 250-66.

Under normal conditions the bonding conductor used to bond the Corrugated Stainless Steel Tubing system will be equivalent in size to the grounding electrode conductor attached to the grounding electrode of the building or structure served.

Bonding of the CSST systems shall be installed by a NC licensed electrician. If the installation does not have an active electrical permit than a licensed electrician shall secure an electrical permit for the installation from this office.

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