



TO: Development Services Customers

SUBJECT: **INFORMATION BULLETIN 134**
Corrugated Stainless Steel Tubing (CSST) Bonding (New and Existing Construction for both Residential and Commercial applications)

DATE: February 22, 2012/*Revised August 1, 2014*

CREATED BY: Field Services Division

Purpose:

As a customer service initiative, the Development Services Department (DSD) created this **revised** bulletin to update IB 134 on corrugated stainless steel tubing (CSST) Bonding (New and Existing Construction for both residential and commercial applications). DSD requires that each building or structure have its gas piping systems installed in accordance with all applicable adopted codes and with its manufacturer's instructions. This bulletin has been updated to incorporate the department's new format for Information Bulletins.

Scope:

The manufacturers of CSST gas piping systems have recently incorporated into their installation instructions more stringent electrical bonding requirements than those required by the 2011 National Electrical Code (NEC). The ability to safely and effectively install miscellaneous equipment on or within structures has long depended on the ability of the different trade contractors to coordinate and cooperate effectively in its installation.

We have created the following guidelines to clarify the minimum permit requirements and who will be responsible for assuring the bonding is done in accordance with all applicable rules and instructions. These guidelines are as follows:

- A licensed and bonded electrical contractor registered with the City of San Antonio shall be responsible for assuring all bonding requirements are met. The contractor will not need to obtain any special permits as this bonding can be accomplished using the same permit obtained for the electrical wiring of the structure.
- The bonding of CSST systems will need to be done in accordance with all applicable codes and with its manufacturer's instructions before receiving a complete electrical rough-in approval. The contractor will not need to request a separate inspection as this can be witnessed by the electrical inspector at the time of the main wiring rough-in inspection.
- The plumbing contractor will be responsible for assuring that the installation instructions are left on the CSST piping systems for review by the plumbing inspector and then by the electrical inspector for bonding requirements.

The requirement to follow manufacturer's instructions assures that equipment is installed in the manner in which it was intended by the manufacturer. The bonding of gas piping systems is not new to the construction industry and has been part of our electrical inspection process for many years. The effectiveness of electrical bonding on these and other similar systems will be greatly dependent on the effectiveness of the grounding electrode system of the structure itself.

Should you have any questions on this process, please contact the Electrical Inspections Supervisor at (210) 207-8286.

Summary:

This Information Bulletin is for informational purposes only.

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