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.04 Modifications to the National Fuel Gas Code, ANSI Z223.1, NFPA 54.

A. Chapter 2 REFERENCED PUBLICATIONS

On page 54-8, under 2.3.3 CSA America Publications, after “ANSI LC 1/CSA 6.26, Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST),”delete “2005” and substitute “2014”.

B. Chapter 5 GAS PIPING SYSTEM DESIGN, MATERIALS, AND COMPONENTS

On page 54-18, under 5.6.3.4 Corrugated Stainless Steel, add the following subsections:

“5.6.3.4.1 Corrugated stainless steel tubing (CSST) shall be listed in accordance with ANSI LC 1/CSA 6.26, Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST).

5.6.3.4.2 CSST with an arc resistant jacket shall also be listed for compliance with ANSI LC 1/CSA 6.26, Clause 5.16 - Arc Resistant Jacket or Covering, including its manufacturing and production tests for resistance to extreme temperature cycles, resistance to corrosion, robustness against arcing, and resistance to installation damage.

5.6.3.4.3 Arc resistant CSST shall be listed for installation without the additional electrical bond required by Section 7.13.2 for CSST that is not arc resistant.

5.6.3.4.4 CSST shall be installed in accordance with this Code and the manufacturer's instructions.”

C. Chapter 7 GAS PIPING INSTALLATION. Under Section 7.13 ELECTRICAL BONDING AND GROUNDING:

(1) On page 54-62, in subsection 7.13.1, change the section heading “Pipe and Tubing Other Than CSST” to “Gas Piping and Tubing, including CSST” and, in both instances, delete the words “other than CSST”;

(2) On page 54-62, in subsection 7.13.2, delete the paragraph under subsection 7.13.2, and insert the following:

“(a) CSST with Arc-Resistant Jacket: A gas piping system that contains one or more segments of CSST without an arc-resistant jacket shall be bonded in accordance with this section. CSST gas piping without an arc-resistant jacket shall require an additional bond to

the electrical service grounding electrode system. The bonding jumper shall connect to a metallic pipe or fitting between the point of gas delivery and the first downstream CSST fitting. The bonding jumper shall not be less than 6 AWG copper wire or equivalent;

(b) CSST Other than Arc-Resistant. Gas piping systems with any CSST that is not arc resistant shall be bonded to the electrical service grounding electrode system or, where provided, to a lightning protection grounding electrode system."

(3) On page 54-63, add a new section as 7.13.3 with the heading, "CSST with an Arc-resistant Jacket" and the following paragraph:

"CSST gas piping with an arc-resistant jacket that is listed by an approved agency for installation without the direct bonding required by section 7.13.2 shall be installed in accordance with section 7.13.1 and the manufacturer's installation instructions.";

(4) On page 54-63, renumber section "7.13.3 Prohibited Use" to "7.13.4" with the same heading;

(5) On page 54-63, change subsections 7.13.3 and 7.13.4 to read as follows:

"7.13.3 Arc-Resistant CSST. All CSST in an arc resistant gas piping system shall be arc resistant. Each portion of an arc resistant CSST gas piping system shall be electrically continuous and bonded to an effective ground-fault current path. Arc-Resistant CSST gas piping shall be considered to be bonded when it is connected to appliances that are connected to the appliance grounding conductor of the circuit supplying electrical power to that appliance.

7.13.4 Prohibited Use. Gas piping shall not be used as a grounding conductor or electrode."; and

(6) Renumber section "7.13.4 Lightning Protection Systems" to "7.13.5", with the same heading.