Standard CSST System Specification

1. DEFINITIONS:

A. CSST: Corrugated Stainless Steel Tubing.

2. SUBMITTALS:

A. Drawings shall be submitted showing any deviation from original natural gas or propane (LPG) pipe layout. These drawings shall include CSST manufacture, design criteria, layout, and pipe sizing. Design, layout, and pipe sizing shall be in accordance with all requirements of **[Local Code]**, ANSI LC-1 and the most current edition of the manufacture's Design and Installation Guide.

3. CSST

A. Corrugated stainless steel tubing manufactured from ASTM A240, type 304 stainless steel with a minimum nominal wall thickness of 0.01". System shall comply with the ANSI LC-1 standard, *"Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing"*, and carrying listings by CSA International, Certification Number 2728525, ICC Evaluation Services, Report Number PMG-1019, and IAPMO Uniform-ES, Evaluation Report 3250.

4. MECHANICAL FITTINGS

A. Mechanical tube fittings manufactured from ASTM B16 type 360 brass whose design incorporates a double wall flare for gas-tight seal with mechanical capture of the jacket for enhanced tubing protection. Include ends with threads according to ASME B1.20.1 for connection to threaded pipe or fittings.

5. PROTECTIVE COATING

A. Corrugated stainless steel tubing furnished with factory-applied corrosion–resistant polyethylene jacket. Jacket properties include the following:

1. Corrugated stainless steel tube jacket shall be UV-Resistant polyethylene meeting the requirements of ASTM E84 of (25) for flame spread and (50) for smoke density.

6. PIPING APPLICATIONS

A. Natural gas and Propane residential and commercial gas piping systems.

1. ½" to 2" nominal I.D. sizes: Corrugated stainless steel tube and brass fittings.

7. PIPING INSTALLATION

A. The tubing, fitting, and strike-protection shall be installed per the current version of the manufacture's Design & Installation Guide and per **[Local Code].** Manufactures supplied training shall be obtained by all installers prior to installation. The gas-piping system shall be pressure tested in accordance with all requirements of **[Local Code]**, ANSI LC-1 and the most current edition of the manufacture's Design and Installation Guide.