

# **FlashShield™ Flexible Gas Piping System Specification**

## **GAS PIPING**

Fuel gas piping to be FlashShield™ metallically shielded corrugated stainless steel tubing (CSST) complying with the ANSI LC 1/CSA 6.26 standard ‘*Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing*’, and with ICC-ES and APMO listings indicating compliance with the ICC-ES PMG LC1027 testing criteria, ‘*Listing Criteria for Protective Jacketed Corrugated Stainless Steel Tubing*’ (Minimum 36 Coulomb Charge Transfer).’

## **MATERIALS**

Materials to be FlashShield metallically shielded CSST manufactured from ASTM A240 Type-304 stainless steel with a minimum nominal wall thickness of 0.01". A protective jacket system over the CSST consisting of an electrically insulative polymer cover, a metallic shield layer, and a semi-conductive inner polymer layer. The piping system being UV-Resistant, and achieving ASTM E84 ratings of (25) for flame spread and (50) for smoke density. Mechanical fittings are to be manufactured from ASTM B16 Type-360 brass. Brass fittings include jacket-lock® feature to provide circumferential contact between the fitting assembly and outer polymer layer of the CSST.

## **INSTALLATION**

The FlashShield flexible gas piping system shall be installed per the current version of the FlashShield Design & Installation Guide and local codes. FlashShield system training is required and provided by the manufacturer and/or its training representatives. Training certification cards will be provided to installers who successfully meet the training requirements.