



## CORRUGATED STAINLESS STEEL TUBING (CSST)

### PART 1 GENERAL

#### 1.1 SCOPE

- A. The provisions of Section \_\_\_\_\_, Mechanical General Specifications apply to all work in this Section.
- B. This section includes specifications for furnishing and installing CSST.

#### 1.2 SUBMITTALS

Submit the following in accordance with Section \_\_\_\_\_:

- A. Catalog cuts
- B. Installation drawings
- C. Installation instructions
- D. Sample of warranty

### PART 2 QUALITY ASSURANCE

#### 2.1 APPLICABLE STANDARDS

All products furnished under this Section shall conform to the requirements of the ANSI LC1 Standard for Corrugated Stainless Steel Tubing (CSST) Fuel Gas Piping Systems. Products that are listed to ANSI LC1, shall carry the Canadian Standards Association (CSA) or American Gas Association (AGA) international logo or symbol.

Application Caution: The products furnished under this Section are intended to be used for the distribution of natural or propane gas, where the operating gas pressure does not exceed 5 psi.

#### 2.2 WARRANTY

Corrugated Stainless Steel Tubing (CSST) shall be warranted by the manufacturer against defects in material and workmanship for a period of one (1) year from the date of the original installation.

## PART 3 PRODUCTS

### 3.1 CORRUGATED STAINLESS STEEL TUBING

- A. The corrugated stainless steel tubing shall be made of 304 Series Stainless Steel.
- B. The tubing jacket shall be made of Polyethylene and shall be yellow to comply with the international color code for fuel gas.
- C. The mechanical fittings, terminations, and striker plates used in the installation of CSST shall be tested and listed as a system.
- D. CSST shall be Model Diamondback™ as manufactured by Metal-Fab Inc.
- E. Diamondback™ shall be installed in accordance with the manufacturer's installation instructions and state or local codes.
- F. The cubic feet per hour (cfh) rating for each tubing size, at 7" w.c. supply pressure with a 0.5" w.c. pressure drop for a 50-foot length including four 90° bends and a fitting at each end, shall not be less than the following:
  - 3/8" tubing = 23 cfh
  - 1/2" tubing = 49 cfh
  - 3/4" tubing = 114 cfh
  - 1" tubing = 209 cfh
  - 1 1/4" tubing = 430 cfh