

SAFESITE™

DOUBLE WALL STAINLESS STEEL F-HL FUEL PIPE

1.0 GENERAL DESCRIPTION AND STANDARDS

Stainless steel product piping shall be provided where required by the Contract Drawings. The Contract Drawings show the type, number, size and location of stainless steel product piping systems for each site. Each stainless steel product piping system 1" diameter and larger shall be Brugg Pipe Systems Stainless Steel Pipe and Fittings, as manufactured by Brugg Pipe Systems Rome, Georgia and provided by Core Engineered Solutions, Inc. or approved equal.

2.0 DESIGN AND CONSTRUCTION

- 2.1 The piping system shall be constructed of flexible, double-wall 316L stainless steel and shall be suitable for use with the products to be stored in the tank system; the piping system shall be UL-listed (UL-971A and UL1369) and approved by authorities having jurisdiction; and third part tested by licensed P.E. for temperatures to 1,110 degrees Fahrenheit for both primary and secondary pipe.
- 2.2 The piping system shall be made of corrugated 316L stainless steel primary and secondary pipes with an interstitial space designed for leak detection, and polyethylene encasement for corrosion resistance.
- 2.3 Each stainless steel piping and fitting joint shall be mechanically bonded. The pipe shall be certified to a pressure rating of 240 PSIG with a minimum 1,725 PSIG burst pressure.
- 2.4 Adhesives shall not be required or allowed on the stainless steel pipe system.
- 2.5 The piping supplier will supply a recent (3 years) certification of training from the pipe manufacturer with their submittals along with client references from at least twenty (20) successful installations.
- 2.6 The installer shall be a company specializing in performing the work of this Section with minimum three (3) years documented experience and carry license(s) as required by the AHJ for performing such work.
- 2.7 The pipe supplier shall staff in house technicians certified by the manufacturer to both install and train installers for all end fitting sizes of the piping system.
- 2.8 All above grade stainless steel piping shall be installed in accordance with the Manufacturer's recommendations, applicable codes, and as shown on the Contract Drawings.
- 2.9 Hangers, brackets, supports, anchors, clamps, and other devices shall be hot-dip galvanized after fabrication and before assembly and installation. They shall be installed to make the entire pipe system self-supporting and rigid. Defective or inaccurately constructed hangers, brackets, supports, clamps and other hardware shall not be used. Machine bolts, 5/8-inch in diameter and of proper length, shall be used throughout for securing the hangers, brackets, clamps, and supports for pipes larger than 3 inches, and 1/2-inch diameter bolts for pipes 3 inches and smaller.

For drawings or more information contact Core Engineered Solutions at www.core-es.com

Phone: (800) 628-5502 | Fax: (703)563-0330 | Email: info@core-es.com

Rev. 07/21