### PART 1 GENERAL

1.1 SCOPE

1. All work in this section shall comply with the Mechanical General Specifications for this job, if any.
2. This section includes specifications for furnishing and installing Non-Positive and Positive Pressure Vent systems for Condensing and Non-Condensing applications.

1.2 SUBMITTALS

A. Submit the following in accordance with this section.

* 1. Product Catalogs
	2. Installation Drawings
	3. Material List
	4. Installation Manual

### PART 2 QUALITY ASSURANCE

* 1. STANDARDS
1. Where applicable, products furnished under this section shall conform to the requirements of NFPA 54 and NFPA 211, and shall comply with UL 1738 and ULC S636, Standard for Venting Systems for Category II, III, and IV Gas-Burning Appliances, and all other applicable standards.
2. All flue-gas carrying components of the vent system shall be obtained from a single manufacturer.
3. Vent shall be warranted by the manufacturer against defects in material and workmanship for a period of (15) years from the date of manufacture.

**PART 3 PRODUCTS**

* 1. SPECIAL GAS VENT
1. Vent shall be factory-built special gas type, single wall, engineered and designed for use on Category I, II, III, and IV appliances, or as specified by the equipment manufacturer.
2. Maximum continuous flue gas temperature shall not exceed 550 degrees Fahrenheit (288 degrees Celsius).
3. Vent shall be constructed of super-ferritic stainless steel which meets UNS S44735 (29-4C) with a minimum thickness of .025 for diameters 18”-24”, and .035 for 26” and greater.
4. Vent shall be listed for an internal static pressure of 15” W.C.
5. All conduit components shall be manufactured from super-ferritic stainless steel which meets UNS S44735 (29-4C). The joint closure system shall be a Mechanical Locking Strap design. Joints shall not use screws or fasteners that penetrate the inner conduit.
6. Joints shall be designed with a male and female overlapping metal-metal connection to maintain condensate on the super-ferritic stainless steel (29-4C). Proper ¼” per foot upward pitch toward the termination must be maintained at all times and condensate should flow back toward the appliance to the required number of drains.
7. All parts shall be compatible with other single wall and double wall products of the same manufacturer.
8. System is to be sized in accordance with the appliance manufacturer's specifications, NFPA 54-National Fuel Gas Code (ANSI Z223.1), ASHRAE recommendations and other applicable codes.
	1. SEALANT
9. A field applied UL Listed Heatfab high temperature sealant shall be used to seal all joints on systems where the maximum flue gas temperature will not exceed 550°F, as instructed in the Heatfab installation instructions.

**PART 4 EXECUTION**

1. Installation manuals shall be supplied to the installer.
2. All components shall be installed in strict compliance with the manufacturer’s instructions and all pertinent local, regional, and national building and mechanical codes and regulations.

### PART 5 AVAILABLE MANUFACTURERS

1. Vent shall be Heatfab Saf-T Vent® GC Plus. [www.heatfab.com](http://www.heatfab.com)