



**SAMPLE SPECIFICATION  
DOUBLE WALL SPECIAL GAS VENT CAT. II, III, IV  
MODEL CG CORR/GUARD, 3"-5" DIA.**

**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 Positive Pressure Vent Systems.

**1.2      SUBMITTALS**

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

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

**1.3      QUALITY ASSURANCE**

**A.      APPLICABLE STANDARDS**

All products furnished under this Section shall conform to the requirements of The National Fuel Gas Code, NFPA-54, where applicable and shall comply with and be listed to UL1738, Standard for Venting Systems for Gas-Burning Appliances, Category II, III and IV. Components coming in direct contact with products of combustion shall carry the appropriate UL or cUL listing mark or label.

**B.      WARRANTY**

Limited Lifetime Warranty

Metal-Fab Inc. warrants to owners of its Model CG Corr/Guard systems, that they are free from defects in material and workmanship in normal use for as long as the original consumer owns the system, provided the system has been designed, installed, maintained and used in accordance with Metal-Fab, Inc. specifications. Metal-Fab further warrants any portion of such vent system repaired or replaced under this limited warranty for the remainder of the original warranty period.

## PART 2 PRODUCTS

### 2.1 POSITIVE PRESSURE VENT

- A. The vent shall be of the double-wall, factory-built type for use on condensing appliances or pressurized venting systems serving Category II, III or IV appliances or as specified by the equipment manufacturer.
- B. Maximum temperature shall not exceed 550°F (288°C).
- C. Vent shall be listed for an internal static pressure of 15" w.g. and tested to 37.5" w.g.
- D. Vent shall be constructed with an inner and outer wall, with a 1" annular insulating air space.

The inner wall (vent) shall be constructed of 0.015 thick AL29-4C\ superferritic stainless steel. Vent shall incorporate factory installed Viton gaskets.

The outer wall (casing) shall be constructed of aluminized steel, .018 thickness.

*Optional: The outer wall shall be constructed of a minimum 0.012 thick Type 430.*

Inner and outer walls shall be connected by means of spacer clips that maintain the concentricity of the annular space and allow unobstructed differential thermal expansion of the inner and outer walls.

- E. All parts exposed to the weather shall be protected by one (1) coat of corrosion and heat resistant base primer and one (1) coat of heat resistant paint.

*Optional: All vent parts exposed to the weather shall be stainless steel.*

- F. All supports, roof or wall penetrations, terminations, appliance connectors and drain fittings, required to install the vent system shall be included.
- G. Roof penetration pieces shall be UL listed and provided by the vent manufacturer. Roof curbs shall be required on roofs greater than 12:12 pitch.
- H. Vent shall be secured by sheet metal screws through casings. Joints shall be sealed at flue with factory installed Viton gaskets.  
Where exposed to weather, the outer closure band shall be sealed to prevent rainwater from entering the space between inner and outer walls.

- I. Vent shall terminate in accordance with Installation Instructions and local codes.

## 2.2 AVAILABLE MANUFACTURERS

Vent shall be Corr/Guard Model CG as manufactured by Metal-Fab, Inc.

## PART 3 EXECUTION

- A. Store delivered materials inside, out of the weather. Protect materials from accidental damage or vandalism.
- B. Installation shall conform to the manufacturer's Installation Instructions, UL listing and state or local codes.
- C. Support vent from building structure using rigid structural shapes for attachment of fixed point supports (Plate Support assembly). Anchor supports to structure by welding, bolting, steel expansion anchors, or concrete inserts. Size of structural shapes shall be in accordance with manufacturer's recommendations.
- D. Coordinate installation of dampers or fans. Dampers or fans shall be supported independently from the vent sections. Protect vent from twist or movement due to fan torque or vibration.
- E. Protect incomplete vent installations by attaching temporary closures over open ends of sections.
- F. Clean all vent and breechings of dust and debris prior to final connection to appliances.