



**SAMPLE SPECIFICATION
SINGLE-WALL SPECIAL GAS VENT CAT. II, III, IV
MODEL CGSW 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 Single-Wall 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 single-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 37-1/2" w.g.
- D. Vent shall be constructed of 0.015 thick UNS S44735 (i.e. AL29-4C®) super-ferritic stainless steel.
Vent shall incorporate factory installed Viton gaskets.
- E. All supports, roof or wall penetrations, terminations, appliance connectors and drain fittings required to install the vent system shall be included.
- F. 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.
- G. Vent connections shall be secured by lock tabs. Joints shall be sealed with factory installed gasket. See Manufacturer's Installation Instructions L2591.
- H. Vent shall terminate in accordance with Installation Instructions and local codes.

2.2 AVAILABLE MANUFACTURERS

Vent shall be Corr/Guard, Model CGSW, 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 vents and breechings of dust and debris prior to final connection to appliances.