



SAMPLE SPECIFICATION HIGH PRESSURE SINGLE-WALL FUME EXHAUST DUCT MODEL PSW

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 pre-fabricated fume exhaust duct.

1.2 SUBMITTALS

Submit the following in accordance with Section _____.

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

1.3 WARRANTY

The fume exhaust duct shall be warranted by the manufacturer against defects in material and workmanship for a period of twelve (12) years from original installation.

PART 2 PRODUCTS

2.1. Duct shall be designed and tested for a pressure of 60 inches w.g. minimum and shall be pre-fabricated product as described below:

- A. The fume exhaust duct shall be of the round single-wall factory-built type with flanged ends. Joints between adjacent sections of pipe shall be mechanically connected by means of a formed Vee-Band and sealed with Type P077 Silicone Sealant to assure liquid tight joints.
- B. The pipe wall shall be constructed of .035" thick type 304 stainless steel for diameters 6" through 36" and .048" thick for diameters 38" through 48".

Optional: The pipe wall shall be constructed of .035" thick type 316 stainless steel for diameters 6" through 36" and .048" thick for diameters 38" through 48".

- C. *Hood and fan transitions shall be provided by the duct manufacturer and shall be fabricated from the same material as the round duct.*
- D. All supports, drains, caps, exit cones, fittings, expansion joints and accessories required to install the fume exhaust duct, routed as indicated on the plans, shall be included.

2.2 AVAILABLE MANUFACTURERS

Fume exhaust duct shall be Model PSW Pressure Pipe 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 fume duct 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 fume duct sections. Protect fume duct from twist or movement due to fan torque or vibration.
- E. Protect uncompleted fume duct installations by attaching temporary closures over open ends of sections.
- F. Clean all fume ducts of dust and debris prior to final connection to appliances.