**Price Stainless Steel Louvered Filter Frame Return Grille**

**Division 23 – Heating, Ventilating, and Air Conditioning**

**Section 23 37 13 – Diffusers, Registers, and Grilles**

The following specification is for a defined application. Price would be pleased to assist in developing a specification for your specific need.

**PART 1 – GENERAL**

* 1. **Section includes**:

1. Stainless Steel Louvered Grille.
   1. **Related Requirements**
2. Section 01 30 00 – Administrative Requirements
3. Section 01 40 00 – Quality Requirements
4. Section 01 60 00 – Product Requirements
5. Section 01 74 21 – Construction/Demolition Waste Management and Disposal
6. Section 01 78 00 – Closeout Submittals
7. Section 01 79 00 – Demonstration and Training
   1. **Reference Standards**
8. All referenced standards and recommended practices in this section pertain to the most recent publication thereof, including all addenda and errata.

**1.04 Submittals**

1. See Section 01 30 00 – Administrative Requirements for submittal procedures.
2. Product Data: Provide data indicating configuration, general assembly, and materials used in fabrication. Include catalog performance ratings that indicate airflow, and NC designation.
3. Shop Drawings: Indicate configuration, general assembly, and materials used in fabrication.
4. Project Record Documents: Record actual locations of units and control components.
5. Operation and Maintenance Data: Include manufacturer's descriptive literature, operating instructions (if applicable), and maintenance and repair data.
6. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.
7. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

**1.06 Quality Assurance**

1. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum ten years of documented experience.

**1.07 Warranty**

1. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
2. Provide 12 month manufacturer warranty from date of shipment of grilles and registers.

**PART 2 – PRODUCTS**

**2.01 Stainless Steel Louvered Filter Frame Return Grille**

1. Basis of Design: Price Industries, Inc.
2. Stainless Steel Louvered Filter Frame Return Grille: Model 730FF, 735FF

**2.02 Stainless Steel Louvered Return Grille**

1. Description:
   1. Furnish and install Price Model [730FF], [735FF] stainless steel louvered filter frame return grilles and registers of sizes and mounting types designated by the plans and air distribution schedule.
2. Construction:
   1. Grilles shall be 45 degree deflection fixed louver type to minimize see-through, and shall have (**select one**):
      * 1. One set of blades with 3/4 inch on center blade spacing (Model 730FF)
        2. One set of blades with 1/2 inch on center blade spacing (Model 735FF).
   2. The grilles front blade orientation shall be (**select one**), as indicated on the outlet schedule.
      1. Front blades parallel to the long dimension.
      2. Front blades parallel to the short dimension.
   3. The blades and border shall be stainless steel construction.
   4. The grille shall be supplied with quarter turn fasteners on all four sides for the removal from the filter frame to ease cleaning of the grille.
   5. The filter frame shall accept [one inch] or [two inch] filter media.
   6. The minimum grille size shall be six inches by four inches. The maximum one-piece grille size shall be 48 inches x 48 inches.
   7. The grille shall be supplied with a mullion when nominal grille dimensions exceed 20 inches.
3. Finish:
   1. The grille face finish shall be #4 polished stainless steel.
   2. The grille blade finish shall be 2B stainless steel.
4. Options:
   * 1. Opposed Blade Damper:
        + 1. The register shall be supplied with a mill finish stainless steel (DSS) opposed blade damper.
     2. Border Style:
        + 1. The grille shall be suitable for [sidewall mounting] or [T-bar lay-in mounting].
     3. Fastening:
        1. The grille shall be supplied with a 3/8 inch flat border mounting frame, fixed with quarter turn fasteners on all four sides for removal of the grille from the filter frame to ease cleaning of the grille.

**PART 3 – EXECUTION**

**3.01 Examination**

1. Verify that conditions are suitable for installation.
2. Verify that field measurements are as shown on the drawings.

**3.02 Installation**

1. Install in accordance with manufacturer’s instructions.
2. See drawings for the size(s) and locations of grilles and registers.

**3.03 Field Quality Control**

1. See Section 01 40 00 – Quality Requirements for additional requirements.

**3.05 Cleaning**

1. See Section 01 74 19 – Construction Waste Management and Disposal for additional requirements.

**3.06 Closeout Activities**

1. See Section 01 78 00 – Closeout Submittals for closeout documentation requirements.
2. See Section 01 79 00 – Demonstration and Training for additional requirements.