**Price Round Supply Grilles**

**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. Round Supply Grilles
   1. **Related Requirements**
2. Section 01 30 00 – Administrative Requirements
3. Section 01 40 00 – Quality Requirements
4. Section 01 74 21 – Construction/Demolition Waste Management and Disposal
5. Section 01 78 00 – Closeout Submittals
6. Section 01 79 00 – Demonstration and Training
   1. **Reference Standards**
7. All referenced standards and recommended practices in this section pertain to the most recent publication thereof, including all addenda and errata.
8. ASHRAE 70 – Method of Testing the Performance of Air Outlets and Air Inlets.
9. ASTM 610 – Standard Practice for Evaluating Degree of Rusting on Painted Steel Surfaces.
10. ASTM 714 – Test Method for Evaluating Degree of Blistering of Paints.
11. ASTM D1308 – Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
12. ASTM D1654 – Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
13. ASTM D4752 – Standard Practice for Measuring MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub.
14. UL 94 – Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances.

**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, static pressure, and NC designation.
3. Shop Drawings: Indicate configuration, general assembly, and materials used in fabrication.
4. Certificates: Certify that air capacities, pressure drops, and selection procedures meet or exceed specified requirements.
5. Project Record Documents: Record actual locations of units and control components.
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 78 00 - Closeout Submittals, for additional warranty requirements.
2. Provide 12 month manufacturer warranty from date of shipment of diffusers.

**PART 2 – PRODUCTS**

**2.01 Manufacturer**

1. Basis of Design: Price Industries, Inc.
2. Round Supply Grille : Model RSG
3. Round Eggcrate Grille : Model RECG
4. Round Perforated Grille : Model RPG

**2.02 Round Supply Grilles**

1. Description:
   1. Furnish and install Price model RSG round supply grilles of sizes and mounting styles shown on the plans and air distribution schedule.
2. Construction:
   1. The grille shall be aluminum construction consisting of individually adjustable blades and an aluminum frame.
   2. The frame shall be provide with a foam gasket
   3. The fully adjustable blades shall be (single deflection), (double deflection), with (1”), (2”) or (3”) blade spacing.
3. Paint Specification:
   1. Paint finish shall have a baked-on powder coat finish.
4. Mounting Frame:
   1. The diffuser shall be supplied with a frame suitable for (select one );
      1. Wall or ceiling mount
      2. Exposed round duct
      3. Round reducer duct mount

**2.03 Round Eggcrate Grille**

1. Description:
   1. Furnish and install Price model RECG round eggcrate grilles of sizes and mounting styles shown on the plans and air distribution schedule.
2. Construction:
   1. The grille shall be aluminum construction, consisting of aluminum ½” x ½” eggcrate core within an aluminum frame.
   2. The frame shall be provided with a foam gasket
3. Paint Specification:
   1. Paint finish shall have a baked-on powder coat finish.
4. Mounting Frame:
   1. The diffuser shall be supplied with a frame suitable for (select one );
      1. Wall or ceiling mount
      2. Exposed round duct
      3. Round reducer duct mount

**2.04 Round Perforated Grille**

1. Description:
   1. Furnish and install Price model RPG round perforated grille of sizes and mounting styles shown on the plans and air distribution schedule.
2. Construction:
   1. The grille shall be aluminum construction consisting of an aluminum perforated cores within an aluminum frame.
3. Paint Specification:
   1. Paint finish shall have a baked-on powder coat finish.
4. Mounting Frame:
   1. The diffuser shall be supplied with a frame suitable for (select one );
      1. Wall or ceiling mount
      2. Exposed round duct
      3. Round reducer duct mount

**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 diffusers.

**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.