**Price Stainless Steel Louvered 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 Grille**

1. Basis of Design: Price Industries, Inc.
2. Stainless Steel Louvered Supply Grille: Model 710, 720,
3. Stainless Steel Louvered Return Grille: Model 730, 735, 710Z

**2.02 Stainless Steel Louvered Supply Grille**

1. Description:
	1. Furnish and install Price Model [710] or [720] stainless steel louvered supply grilles and registers of sizes and mounting types designated by the plans and air distribution schedule.
2. Construction:
	1. Grilles shall be fixed louver type, and shall have (**select one**):
		1. One set of fully adjustable blades, with 3/4 inch on center blade spacing [Model 710].
		2. Two sets of fully adjustable blades, with the second set behind the first set, and with 1/2 inch on center blade spacing [Model 720].
	2. The grille’s 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, frame, and border shall be stainless steel construction.
	4. The minimum grille size shall be six inches by four inches. The maximum one-piece grille size shall be 48 x 48 inches.
	5. The grille shall be supplied with a mullion when nominal grille dimensions exceed 24 inches.
3. Finish:
	1. The grille frame 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 grille 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, complete with a border in the following style (**select one**):
			1. 1-1/4 inch flat border.
			2. 1 inch narrow border.
	3. Mounting Frames:
		1. The grille shall be supplied with a 3/8 inch flat border mounting frame.
	4. Fastening:
		1. The grille shall be supplied with the following fastening method (**select one**):
	5. Countersunk screw holes complete with screws.
	6. No screw holes.

**2.03 Stainless Steel Louvered Return Grille**

1. Description:
2. Furnish and install Price Model [730], [735], [710Z] stainless steel louvered return grilles and registers of sizes and mounting types designated by the plans and air distribution schedule.
3. Construction:
4. Grilles shall be fixed louver type, and shall have (**select one**):
	* + 1. One set of fixed blades at 45 degree deflection with 3/4 inch on center blade spacing [Model 730]
			2. One set of fixed blades at 45 degree deflection with 1/2 inch on center blade spacing [Model 735].
			3. One set of 0 degree deflection blades with 3/4 inch on center blade spacing [Model 710Z]
5. 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.
6. The blades and border shall be stainless steel construction.
7. The grille shall use a continuous length piano type hinge and quarter turn quick-release fasteners for access.
8. The minimum grille size shall be six inches by four inches. The maximum one-piece grille size shall be 48 inches x 48 inches.
9. The grille shall be supplied with a mullion when nominal grille dimensions exceed 20 inches.
10. Finish:
11. The grille face finish shall be #4 polished stainless steel.
12. The grille blade finish shall be 2B stainless steel.
13. Options:
14. Opposed Blade Damper:
	* + - 1. The register shall be supplied with a mill finish stainless steel (DSS) opposed blade damper.
15. Border Style:
16. The grille shall be suitable for surface or T-bar mounting.
17. Mounting Frames:
18. The grille shall be supplied with a 3/8 inch flat border mounting frame.
19. Fastening:
20. The grille shall be supplied with the following fastening method (**select one**):
21. Countersunk screw holes complete with screws.
22. No screw holes [**default for T-bar installations**].
23. Insect Screen:
	1. The grille shall be supplied with an 18 x16 aluminum mesh insect screen. [**not available with damper option**]

**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.