

## **DIFFUSERS, REGISTERS AND GRILLES**

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### **1. GENERAL**

#### **1.1 Summary**

.1 Section Includes:

- .1 Supply, return and exhaust grilles and registers, diffusers and linear grilles, for commercial use.

.2 Related Sections:

- .1 23 06 00 – Schedules for HVAC.

#### **1.2 System Description**

.1 Performance Requirements:

- .1 Catalogued or published ratings for manufactured items: obtained from tests carried out by manufacturer or those ordered by manufacturer from independent testing agency signifying adherence to codes and standards.

#### **1.3 Submittals**

.1 Product Data:

- .1 Submit manufacturer's printed product literature, specifications and datasheet in accordance with Section 01 33 00 - Submittal Procedures. Include product characteristics, performance criteria, and limitations.

.2 Indicate following:

- .1 Capacity.
- .2 Throw and terminal velocity.
- .3 Noise criteria.
- .4 Pressure drop.
- .5 Neck velocity.
- .6 Finish.

#### **1.4 Delivery, Storage, and Handling**

.1 Packing, shipping, handling and unloading:

- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions.

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### **1.5 Maintenance**

- .1 Extra Materials:
  - .1 Provide maintenance materials in accordance with Section 01 33 00 - Submittal Procedures.
  - .2 Include:
    - .1 Keys for volume control adjustment.
    - .2 Keys for air flow pattern adjustment.

### **2. PRODUCTS**

#### **2.1 General**

- .1 To meet capacity, pressure drop, terminal velocity, throw, noise level, neck velocity as indicated in specifications and drawings.

#### **2.2 Manufactured Units**

- .1 Grilles, registers and diffusers of same generic type, products of one manufacturer.

#### **2.3 Supply Grilles and Registers**

- .1 Refer to Section 23 06 00 – Schedules for HVAC.

#### **2.4 Return and Exhaust Grilles And Registers**

- .1 Refer to Section 23 06 00 – Schedules for HVAC.

### **3. EXECUTION**

#### **3.1 Manufacturer's Instructions**

- .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheet.

#### **3.2 Installation**

- .1 Install in accordance with manufacturers instructions.
- .2 Install with screws in countersunk holes where fastenings are visible.

#### **3.3 Cleaning**

- .1 Upon completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.

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**END OF SECTION**