

PART 1 - GENERAL

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| <u>1.1 SYSTEM
DESCRIPTION</u> | .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. |
| <u>1.2 ACTION AND
INFORMATIONAL
SUBMITTALS</u> | .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. |
| | .2 | Quality assurance submittals: submit following in accordance with Section 01 33 00 - Submittal Procedures.
.1 Certificates: submit certificates signed by manufacturer certifying that materials comply with specified performance characteristics and physical properties.
.2 Instructions: submit manufacturer's installation instructions. |
| <u>1.3 QUALITY
ASSURANCE</u> | .1 | Health and Safety Requirements: do construction occupational health and safety in accordance with Section 01 35 29.06 - Health and Safety Requirements. |
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- 1.4 DELIVERY,
STORAGE, AND
HANDLING
- .1 Packing, shipping, handling and unloading:
 - .1 Deliver, store and handle in accordance with Section 01 61 00 - Common Product Requirements.
 - .2 Deliver, store and handle materials in accordance with manufacturer's written instructions.
 - .2 Waste Management and Disposal:
 - .1 Construction/Demolition Waste Management and Disposal: separate waste materials for reuse and recycling.

- 1.5 MAINTENANCE
- .1 Extra Materials:
 - .1 Provide maintenance materials in accordance with Section 01 78 00 - Closeout Submittals.
 - .2 Include:
 - .1 Keys for volume control adjustment.
 - .2 Keys for air flow pattern adjustment.

PART 2 - PRODUCTS

- 2.1 GENERAL
- .1 To meet capacity, pressure drop, terminal velocity, throw, noise level, neck velocity as indicated.
 - .2 Frames:
 - .1 Full perimeter gaskets.
 - .2 Plaster frames where set into plaster or gypsum board.
 - .3 Concealed fasteners.
 - .3 Concealed manual volume control damper operators.
 - .4 Colour: standard as directed by Departmental Representative.
 - .5 See Diffuser/Grille schedules on Drawings.
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- 2.2 MANUFACTURED
UNITS .1 Grilles, registers and diffusers of same
generic type, products of one manufacturer.
- 2.3 RETURN AND
EXHAUST GRILLES AND
REGISTERS .1 General: with opposed blade dampers.
- 2.4 DIFFUSERS .1 General: volume control dampers with flow
straightening devices and blank-off quadrants
and gaskets.
.2 See schedules as indicated.

PART 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 flat head oval head stainless
steel screws in countersunk holes where
fastenings are visible.
- 3.3 CLEANING .1 Proceed in accordance with Section 01 74 11 -
Cleaning.
.2 Upon completion and verification of
performance of installation, remove surplus
materials, excess materials, rubbish, tools
and equipment.