

PART 1 - GENERAL

- 1.1 REFERENCES .1 Canada Green Building Council (CaGBC)
.1 LEED Canada 2009 for Design and Construction, LEED Canada 2009 for Design and Construction Leadership in Energy and Environmental Design Green Building Rating System Reference Guide.
- 1.2 ACTION AND INFORMATIONAL SUBMITTALS .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
.1 Submit manufacturer's instructions, printed product literature and data sheets for diffusers, registers and grilles and include product characteristics, performance criteria, physical size, finish and limitations.
.2 Indicate following:
.1 Capacity.
.2 Throw and terminal velocity.
.3 Noise criteria.
.4 Pressure drop.
.5 Neck velocity.
- .3 Sustainable Design Submittals:
.1 LEED Canada submittals: in accordance with Section 01 35 21 - LEED Requirements.
.2 Construction Waste Management:
.1 Submit project Waste Management Plan highlighting recycling and salvage requirements.
.2 Submit calculations on end-of-project recycling rates, salvage rates, and landfill rates demonstrating that 75% of construction wastes were recycled or salvaged.
.3 Recycled Content:
.1 Submit listing of recycled content products used, including details of required percentages or recycled content materials and products, showing their costs and percentages of post-consumer and post-industrial content, and total cost of materials for project.
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- 1.4 DELIVERY,
STORAGE AND
HANDLING
(Cont'd)
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- PART 2 - PRODUCTS
- 2.1 SYSTEM
DESCRIPTION
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- 2.2 GENERAL
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- 2.3 MANUFACTURED
UNITS
-
- 2.4 SUPPLY GRILLES
AND REGISTERS
-
- .5 Packaging Waste Management: (Cont'd)
in Construction Waste Management Plan in
accordance with Section 01 74 21 -
Construction/Demolition Waste Management and
Disposal and Section 01 35 21 - LEED
Requirements.
 - .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 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 and as specified.
 - .3 Concealed fasteners.
 - .3 Concealed manual volume control damper
operators.
 - .4 Colour: standard or as directed by
Departmental Representative.
 - .1 Grilles, registers and diffusers of same
generic type, products of one manufacturer.
 - .1 General: with opposed blade dampers.
 - .2 See schedule drawing for types, sizes and
details.

2.5 RETURN AND EXHAUST GRILLES AND REGISTERS .1 General: with opposed blade dampers.
.2 See schedule drawing for types, sizes and details.

2.6 DIFFUSERS .1 General: volume control dampers with flow straightening devices and blank-off quadrants and gaskets.
.2 See schedule drawing for types, sizes and details.

PART 3 - EXECUTION

3.1 EXAMINATION .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable for diffuser, register and grille installation in accordance with manufacturer's written instructions.
.1 Visually inspect substrate in presence of Departmental Representative.
.2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
.3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.

3.2 INSTALLATION .1 Install in accordance with manufacturers instructions.
.2 Install with flat head cadmium plated screws in countersunk holes where fastenings are visible.

3.3 CLEANING .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
.1 Leave Work area clean at end of each day.

- 3.3 CLEANING
(Cont'd)
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
 - .3 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal and Section 01 35 21 - LEED Requirements.
 - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.