

SECTION 07723

RIDGE VENTS AND SOFFIT VENTS

PART GENERAL

SECTION INCLUDES

Ridge vents for wood frame structures.

Soffit vents for wood frame structures.

RELATED SECTIONS

Section 06100 - Rough Carpentry.

Section 07310 - Shingles.

Section 07320 - Roof Tiles.

REFERENCES

AMCA 210 - Laboratory Methods of Testing Fans for Rating; Air Movement and Control Association International, Inc. (also listed under the designation ASHRAE 51 - Laboratory Methods of Testing Fans for Rating; American Society of Heating, Refrigerating, and Air Conditioning Engineers, Inc.)

SYSTEM DESCRIPTION

Provide vents that comply with requirements of the following:
FHA Minimum Property Standards.
Published recommendations of the US Department of Housing and Urban Development.
1995 building requirements of Dade County, Florida.
BOCA.
SBCCI.
ICBO.
Canadian Standards Association.

Provide ridge vents with external wind baffle to create negative air pressure that pulls air out of attic and helps prevent clogging of vent slots, and deflect weather and debris from entering attic space; provide ridge vents with internal weather filter to help form complete barrier against wind-blown rain, snow, dust, or insects.

Ridge vents, when tested under 15 miles-per-hour (24 k/hr) wind condition, to exhibit the following performance characteristics:

Airflow out of attic, tested in airflow chamber designed in accordance with AMCA 210: 100 cubic feet per minute (168 cu m/hr) for 4-foot (1220 mm) section, minimum.

Airflow out of attic, tested in airflow chamber designed in accordance with AMCA 210: 70 cubic feet per minute (109.2 cu m/hr) for 4-foot (1220 mm) section, minimum.

SUBMITTALS

Submit under provisions of Section 01300.

Product Data: Manufacturer's technical literature, specifications and installation instructions.

Shop Drawings: Show layout of vents, rough-in requirements, and details of attachment to substrates.

Test reports: Submit certified reports from independent testing laboratory documenting compliance with performance requirements specified in SYSTEM DESCRIPTION Article of this section.

WARRANTY

Manufacturer to warrant ridge vents against defects in materials for a period of 30 years from the date of Substantial Completion, transferable from original owner to new owner; warranty to include, for the first five years of warranty period, reimbursement for labor costs incurred in removing defective vent and installing vent replacement, in addition to the replacement product itself.

PART PRODUCTS

MANUFACTURERS

Acceptable Manufacturer: Air Vent Inc., A CertainTeed Company, 3000 West Commerce Street, Dallas, TX 75212. ASD. Tel: (800) AIR-VENT. Fax: (800) 635-7006.

Requests for substitutions will be considered in accordance with provisions of Section 01600.

Substitutions: Not permitted.

PRODUCTS

Shingle-Over Ridge Vent:

Acceptable product: ShingleVent II, size 12 inches wide, Model SHFV203.

Net free area: 18 square inches per linear foot (3.5 sq m/lin m).

Color: Black.

Color: Brown.

Color: Gray.

Color: Charcoal.

Color: Selected by Architect from manufacturer's standard colors.

Shingle-Over Ridge Vent:

Acceptable product: ShingleVent II-9, size 9 inches wide, Model SHFV209.

Net free area: 18 square inches per linear foot (3.5 sq m/lin m).

Color: Charcoal.

Shingle-Over Ridge Vent:

Acceptable product: ShingleVent II-7, size 7 inches wide, Model SHFVII-7.

Net free area: 18 square inches per linear foot (3.5 sq m/lin m).

Color: Charcoal.

Aluminum Ridge Vent:

Acceptable product: Multi-Pitch FilterVent, Model FV101, 10-foot length.

Net free area: 18 square inches per linear foot (3.5 sq m/lin m).

Color: Black.

Color: Brown.

Color: White.

Color: Gray.

Color: Mill.

Color: Bronze.

Color: Zinc.

Color: Copper.

Color: Selected by Architect from manufacturer's standard colors.

Aluminum Ridge Vent:

Acceptable product: Multi-Pitch FilterVent, Model FV110, 8-foot

length.

Net free area: 18 square inches per linear foot (3.5 sq m/lin m).

Color: Black.

Color: Brown.

Color: White.

Color: Gray.

Color: Mill.

Color: Bronze.

Color: Zinc.

Color: Copper.

Color: Selected by Architect from manufacturer's standard colors.

Aluminum Peak Vent:

Acceptable product: Peak FilterVent, Model PVF152, 8-foot length.

Net free area: 9 square inches per linear foot (1.7 sq m/lin m).

Color: Black.

Color: Brown.

Color: Gray.

Color: Bronze.

Color: Selected by Architect from manufacturer's standard colors.

Aluminum Vent for Roof/Wall Junctions:

Acceptable product: Flash FilterVent, Model FFV162, 8-foot length.

Net free area: 9 square inches per linear foot (1.7 sq m/lin m).

Color: Black.

Color: Brown.

Color: Gray.

Color: Bronze.

Color: Copper.

Color: Selected by Architect from manufacturer's standard colors.

Adaptor Cover:

Acceptable product: Tile/Shake FilterVent, Model TFV111.

Net free area: 18 square inches per linear foot (3.5 sq m/lin m).

Color: Black.

Color: Brown.

Color: White.

Color: Gray.

Color: Mill.

Color: Selected by Architect from manufacturer's standard colors.

Aluminum Continuous Soffit Vent:

Acceptable product: Continuous Soffit Vent Model SV201.

Net free area: 9 square inches per linear foot (1.7 sq m/lin m).

Color: White.

Color: Mill.

Color: Brown.

Color: Selected by Architect from manufacturer's standard colors.

Aluminum Continuous Soffit Vent:

Acceptable product: Continuous Soffit Vent Model SV202.

Net free area: 9 square inches per linear foot (1.7 sq m/lin m).

Color: White.

Color: Mill.

Color: Brown.

Color: Selected by Architect from manufacturer's standard colors.

PVC Continuous Soffit Vent:

Acceptable product: Continuous Soffit Vent Model SV351.

Net free area: 9 square inches per linear foot (1.7 sq m/lin m).

Color: White.

Color: Brown.

Color: Selected by Architect from manufacturer's standard colors.

PVC Continuous Soffit Vent:

Acceptable product: Strip Vent Model SV352.

Net free area: 9 square inches per linear foot (1.7 sq m/lin m).

Color: White.

Color: Brown.

Color: Selected by Architect from manufacturer's standard colors.

Aluminum Eave Vent:

Acceptable product: Undereave Vent Model EV16424, size 4 inches (101 mm) wide by 16 inches (406 mm) long.

Net free area: 28 square inches (0.018 sq m) per unit.

Color: White.

Color: Mill.

Color: Brown.

Color: Selected by Architect from manufacturer's standard colors.

Aluminum Eave Vent:

Acceptable product: Undereave Vent Model EV16624, size 6 inches (152 mm) wide by 16 inches (406 mm) long.

Net free area: 42 square inches per unit (0.027 sq m).

Color: White.

Color: Mill.

Color: Brown.

Color: Selected by Architect from manufacturer's standard colors.

Aluminum Eave Vent:

Acceptable product: Undereave Vent Model EV16812, size 8 inches (203 mm) wide by 16 inches (406 mm) long.

Net free area: 56 square inches (0.036 sq m) per unit.

Color: White.

Color: Mill.

Color: Brown.

Color: Selected by Architect from manufacturer's standard colors.

Aluminum Drip Edge Vent:

Acceptable product: Drip Edge Vent Model DEV141.

Net free area: 9 square inches per linear foot (1.7 sq m/lin m).

Color: White.

Color: Mill.

Color: Brown.

Color: Black.

Color: Selected by Architect from manufacturer's standard colors.

PART EXECUTION

EXAMINATION

Verification of Conditions: Verify that framing, substrate, and finish materials have been installed.

INSTALLATION

Install vents in accordance with manufacturer's printed instructions.

END OF SECTION