

ICC-ES Listing Report

ESL-1300

Issued July 2021

This listing is subject to renewal in July 2022.www.icc-es.org | (800) 423-6587 | (562) 699-0543

A Subsidiary of the International Code Council®

CSI: DIVISION: 08 00 00—OPENINGS
Section: 08 95 00—Vents

Product Certification System:

The ICC-ES product-certification system includes evaluating reports of tests of standard manufactured product, prepared by accredited testing laboratories and provided by the listee, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the listee's quality system.

Product:

VULCAN VENT®

The Vulcan Vent® consists of an aluminum honeycomb core with 0.20 inch (5 mm) cells, Type 304 Stainless Steel woven mesh, and a proprietary intumescent coating. The vent frame and flange include a 1/8-inch (3.175 mm) wire cloth, and are comprised from minimum 26 GA G90 galvanized steel sheet metal, minimum 26 GA G90 galvanized perforated steel, 9020 Aluminum, minimum 12 oz. Copper, and minimum 26 GA Stainless Steel. The vents come in various widths and lengths and can also be custom sized. See Table 1 and Figures 1 through 3 for details.

Listee:

VULCAN TECHNOLOGIES, INC.

Evaluation:

Vulcan Vent® models and sizes listed in Table 1 were evaluated based on ember exposure and direct flame impingement in vertical and horizontal orientations when tested to the following standard:

- ASTM E2886/E2886M-20, Standard Test Method for Evaluating the Ability of Exterior Vents to Resist the Entry of Embers and Direct Flame Impingement.

Findings:

Vulcan Vent®, when tested in accordance with ASTM E2886, meets the following conditions:

1. **Ember Intrusion Test:** Smoldering ignition of the cotton target was observed, but no flaming ignition was observed. The vent test specimens did not allow the embers to enter and ignite the cotton target in accordance to Section 9.1 of ASTM E2886.
2. **Flame Intrusion Test:** In accordance with Section 9.2 of ASTM E2886, the vent test specimens did not allow ignition of the cotton targets during the Integrity Test portion (Section 11 of ASTM E2912). During the Insulation Test portion (Section 12 of ASTM E2912), the temperatures of all the unexposed surface thermocouples did not exceed the time requirements at specific temperatures in accordance with Sections 12.1, 12.3 and 12.4 of ASTM E2912.

Identification:

1. Packaging of the Vulcan Vent® carries a label indicating the manufacturer's name and address, the product name, the listing report number (ESL-1300), and the ICC-ES Listing Mark, as applicable.
2. The report holder's contact information is the following:

VULCAN TECHNOLOGIES, INC.
8 COMMERCIAL BLVD, SUITE E
NOVATO, CALIFORNIA 94949
(415) 459-6488
www.vulcantechologies.com

Installation: Vulcan Vent® must be installed in accordance with the Vulcan Technologies, Inc. published installation instructions.

Conditions of listing:

1. The listing report addresses only conformance with the standard noted above.
2. Approval of the product's use is the sole responsibility of the local code official.
3. The listing report applies only to the materials tested and as submitted for review by ICC-ES.
4. The Vulcan Vent® is produced under a quality control program with inspections by ICC-ES.

TABLE 1—VULCAN VENT® MODELS AND SIZES¹

MODEL	SIZES
VSC (Vulcan Continuous Soffit/Inspection/Ridge Vents)	75120 (0.75 inches by 120 inches)
	15120 (1.5 inches by 120 inches)
	1120 (1 inch by 120 inches)
	2120 (2 inches by 120 inches)
	25120 (2.5 inches by 120 inches)
	3120 (3 inches by 120 inches)
	35120 (3.5 inches by 120 inches)
	4120 (4 inches by 120 inches)
	5120 (5 inches by 120 inches)
	6120 (6 inches by 120 inches)
	418 (4 inches by 18 inches)
	436 (4 inches by 36 inches)
	472 (4 inches by 72 inches)
	618 (6 inches by 18 inches)
	636 (6 inches by 36 inches)
	672 (6 inches by 72 inches)
VE (Vulcan Eave Vents)	3514 (3.5 inches by 14 inches)
	5514 (5.5 inches by 14 inches)
	7514 (7.5 inches by 14 inches)
	3522 (3.5 inches by 22 inches)
	5522 (5.5 inches by 22 inches)
	7522 (7.5 inches by 22 inches)
VER (Vulcan Eave Vents, Round)	2 (2 inches)
	2M (2 inches)
	3 (3 inches)
	3M (3 inches)
	4 (4 inches)
	4M (4 inches)
VG (Vulcan Gable Vents)	6M (6 inches)
	148 (14 inches by 8 inches)
	1412 (14 inches by 12 inches)
	1418 (14 inches by 18 inches)
VDHR (Vulcan Dormer Vents)	1424 (14 inches by 24 inches)
	918 (9 inches by 18 inches)
VDLR (Vulcan Dormer Vents)	1224 (12 inches by 24 inches)
	419 (4 inches by 19 inches)

For **SI**: 1 inch = 25.4 mm

¹ Available flange types: **FF** (Flange Front), **FB** (Foam Back), **FC** (Fiber Cement), **R** (Retro), **SL** (Single Leg), **M** (Mesh), **RT** (Reverse Tab), **S** (Stucco), **SMCXX** (Stucco Milcor), **IF** (Inspection Flange), **RV** (Ridge Vent).

TABLE 1—VULCAN VENT MODELS AND SIZES (CONT'D)¹

MODEL	SIZES
VFS (Foundation/Soffit Vents)	414 (4 inches by 14 inches)
	614 (6 inches by 14 inches)
	814 (8 inches by 14 inches)
	422 (4 inches by 22 inches)
	622 (6 inches by 22 inches)
	822 (8 inches by 22 inches)
VM (Vulcan Matrix)	1224 (12 inches by 24 inches)
	1424 (14 inches by 24 inches)
	2424 (24 inches by 24 inches)
	4824 (48 inches by 24 inches)
VSB (Subbase Flashings)	1212 (12 inches by 12 inches)
	8586 (8.5 inches by 8.5 inches)
	7519 (7.5 inches by 19 inches)

For **SI**: 1 inch = 25.4 mm

¹ Available flange types: **FF** (Flange Front), **FB** (Foam Back), **FC** (Fiber Cement), **R** (Retro), **SL** (Single Leg), **M** (Mesh), **RT** (Reverse Tab), **S** (Stucco), **SMCXX** (Stucco Milcor), **IF** (Inspection Flange), **RV** (Ridge Vent).

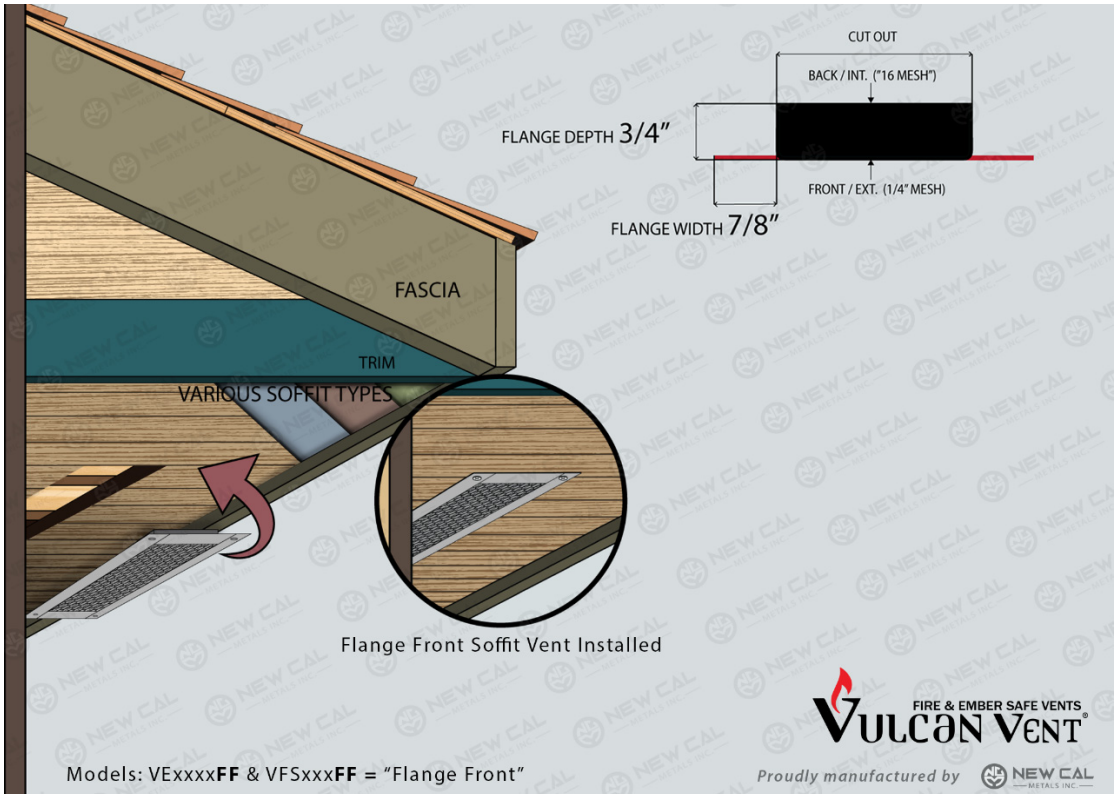


FIGURE 1—TYPICAL VULCAN VENT® INSTALLED ON WOOD

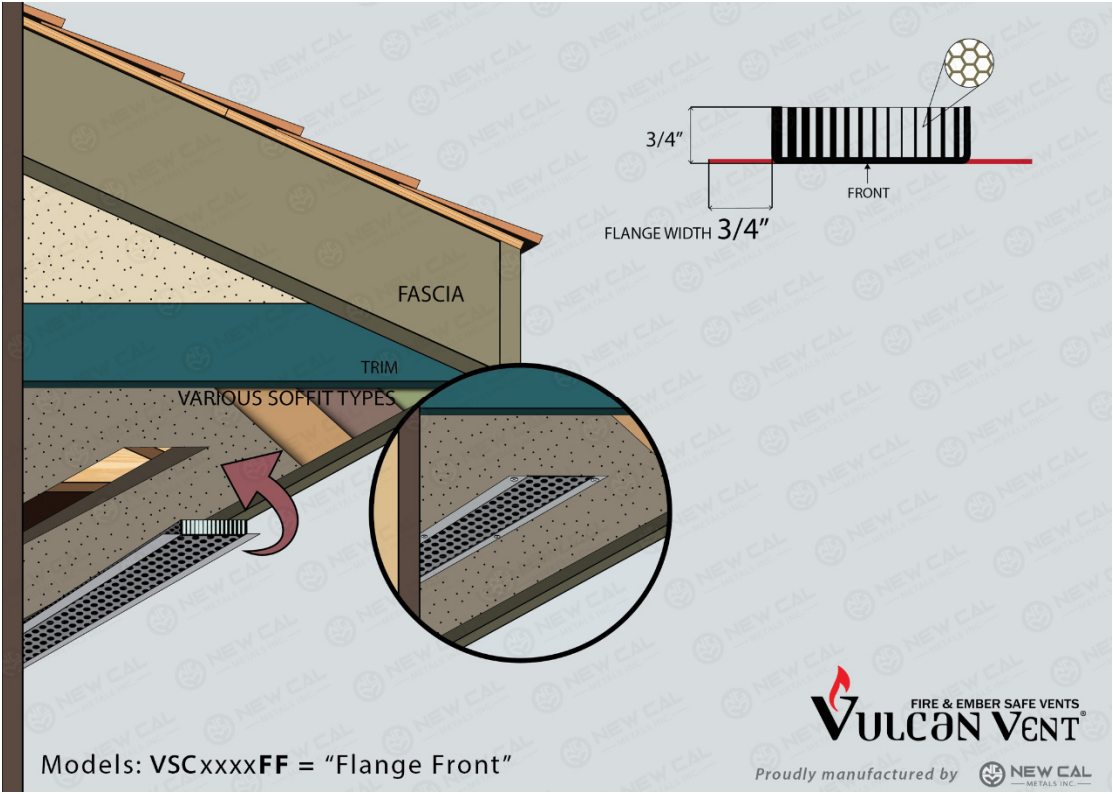


FIGURE 2—TYPICAL VULCAN VENT® INSTALLED ON STUCCO

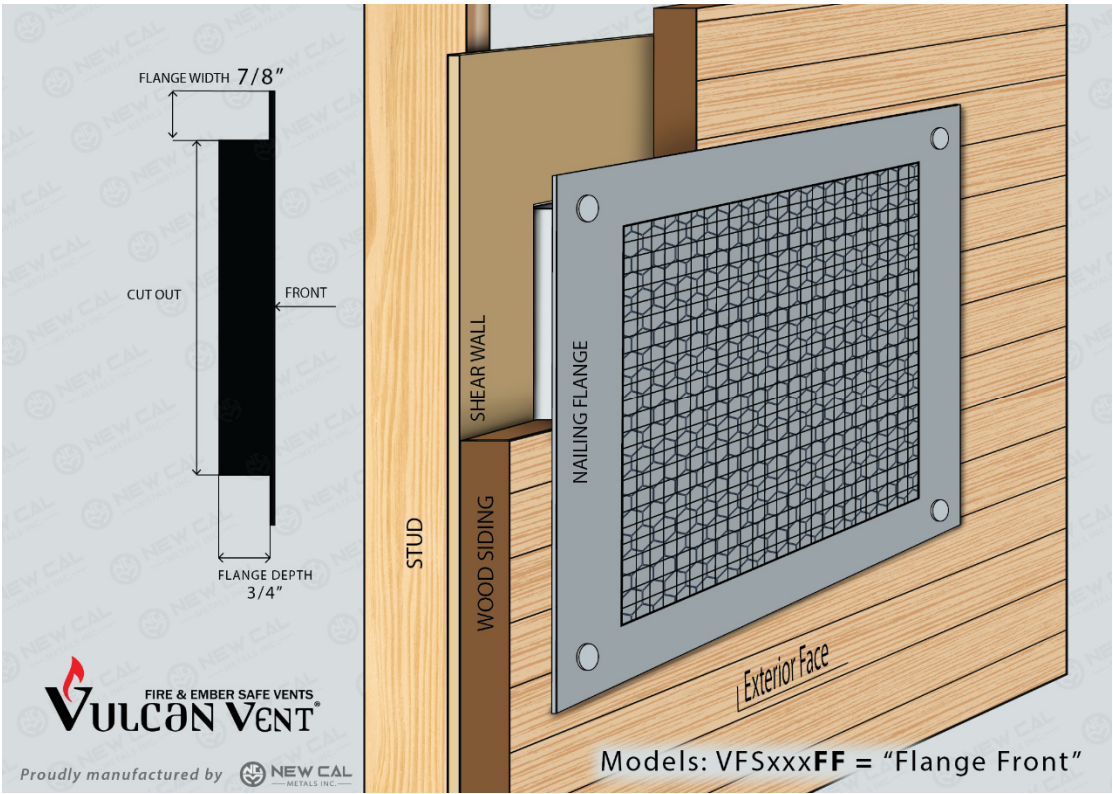


FIGURE 3—TYPICAL VULCAN VENT® INSTALLED ON A FOUNDATION