DIVISION: 08 00 00—OPENINGS
SECTION: 08 95 43—VENTS/FOUNDATION FLOOD VENTS

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS:
MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574;
#1540-524; #1540-514
FLOOD VENT SEALING KIT #1540-526

“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”

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feet (18.6 m²) of enclosed area, except that the SmartVENT® Stacking Model #1540-511 and FloodVENT® Stacking Model #1540-521 must be installed with a minimum of one FV for every 400 square feet (37.2 m²) of enclosed area.

- Below the base flood elevation.
- With the bottom of the FV located a maximum of 12 inches (305.4 mm) above the higher of the final grade or floor and finished exterior grade immediately under each opening.

### 4.2 Flood Vent Sealing Kit

The Flood Vent Sealing Kit Model 1540-526 is used in conjunction with FloodVENT® Model #1540-520. When installed and tested in accordance with ASTM E283, the FV and Flood Vent Sealing Kit assembly have an air leakage rate of less than 0.2 cubic feet per minute per lineal foot (18.56 l/min per lineal meter) at a pressure differential of 1 pound per square foot (50 Pa) based on 12.58 lineal feet (3.8 lineal meters) contained by the Flood Vent Sealing Kit.

### 5.0 CONDITIONS OF USE

The Smart Vent® FVs described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- **5.1** The Smart Vent® FVs must be installed in accordance with this report, the applicable code and the manufacturer’s installation instructions. In the event of a conflict, the instructions in this report govern.

- **5.2** The Smart Vent® FVs must not be used in the place of “breakaway walls” in coastal high hazard areas, but are permitted for use in conjunction with breakaway walls in other areas.

### 6.0 EVIDENCE SUBMITTED

- **6.1** Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015 (editorially revised October 2017).

- **6.2** Test report on air infiltration in accordance with ASTM E283.

### 7.0 IDENTIFICATION

- **7.1** The Smart VENT® models and the Flood Vent Sealing Kit recognized in this report must be identified by a label bearing the manufacturer’s name (Smartvent Products, Inc.), the model number, and the evaluation report number (ESR-2074).

- **7.2** The report holder’s contact information is the following:

  SMART VENT PRODUCTS, INC.
  430 ANDBRO DRIVE, UNIT 1
  PITMAN, NEW JERSEY 08071
  (877) 441-8368
  www.smartvent.com
  info@smartvent.com

#### TABLE 1—MODEL SIZES

<table>
<thead>
<tr>
<th>MODEL NAME</th>
<th>MODEL NUMBER</th>
<th>MODEL SIZE (in.)</th>
<th>COVERAGE (sq. ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FloodVENT®</td>
<td>1540-520</td>
<td>15(\frac{3}{4})&quot; X 7(\frac{3}{4})&quot;</td>
<td>200</td>
</tr>
<tr>
<td>SmartVENT®</td>
<td>1540-510</td>
<td>15(\frac{3}{4})&quot; X 7(\frac{3}{4})&quot;</td>
<td>200</td>
</tr>
<tr>
<td>FloodVENT® Overhead Door</td>
<td>1540-524</td>
<td>15(\frac{3}{4})&quot; X 7(\frac{3}{4})&quot;</td>
<td>200</td>
</tr>
<tr>
<td>SmartVENT® Overhead Door</td>
<td>1540-514</td>
<td>15(\frac{3}{4})&quot; X 7(\frac{3}{4})&quot;</td>
<td>200</td>
</tr>
<tr>
<td>Wood Wall FloodVENT®</td>
<td>1540-570</td>
<td>14&quot; X 8(\frac{3}{4})&quot;</td>
<td>200</td>
</tr>
<tr>
<td>Wood Wall FloodVENT® Overhead Door</td>
<td>1540-574</td>
<td>14&quot; X 8(\frac{3}{4})&quot;</td>
<td>200</td>
</tr>
<tr>
<td>SmartVENT® Stacker</td>
<td>1540-511</td>
<td>16&quot; X 16&quot;</td>
<td>400</td>
</tr>
<tr>
<td>FloodVENT® Stacker</td>
<td>1540-521</td>
<td>16&quot; X 16&quot;</td>
<td>400</td>
</tr>
</tbody>
</table>

For SI: 1 inch = 25.4 mm; 1 square foot = m²

![FIGURE 1—SMART VENT: MODEL 1540-510](Image)
FIGURE 2—SMART VENT MODEL 1540-520

FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN

FIGURE 4—FLOOD VENT SEALING KIT
1.0 REPORT PURPOSE AND SCOPE

Purpose:
The purpose of this evaluation report supplement is to indicate that Smart Vent© Automatic Foundation Flood Vents, recognized in ICC-ES master evaluation report ESR-2074, have also been evaluated for compliance with codes noted below.

Applicable code edition:
- 2016 California Building Code (CBC)
- 2016 California Residential Code (CRC)

2.0 CONCLUSIONS

2.1 CBC:
The Smart Vent© Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2074, comply with 2016 CBC Chapter 12, provided the design and installation are in accordance with the 2015 International Building Code® (IBC) provisions noted in the master report and the additional requirements of CBC Chapters 12, 16 and 16A, as applicable.

The products recognized in this supplement have not been evaluated under CBC Chapter 7A for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

2.2 CRC:
The Smart Vent© Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2074, comply with the 2016 CRC, provided the design and installation are in accordance with the 2015 International Residential Code® (IRC) provisions noted in the master report.

The products recognized in this supplement have not been evaluated under 2016 CRC Chapter R337, for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

The products recognized in this supplement have not been evaluated for compliance with the International Wildland–Urban Interface Code®.

This supplement expires concurrently with the master report, reissued February 2019.
1.0 REPORT PURPOSE AND SCOPE

Purpose:
The purpose of this evaluation report supplement is to indicate that Smart Vent® Automatic Foundation Flood Vents, recognized in ICC-ES master report ESR-2074, have also been evaluated for compliance with the codes noted below.

Applicable code editions:
- 2017 Florida Building Code—Building
- 2017 Florida Building Code—Residential

2.0 CONCLUSIONS

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2074, comply with the Florida Building Code—Building and the FRC, provided the design and installation are in accordance with the 2015 International Building Code provisions noted in the master report.

Use of the Smart Vent® Automatic Foundation Flood Vents has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the Florida Building Code—Building and the Florida Building Code—Residential.

For products falling under Florida Rule 9N-3, verification that the report holder’s quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the master report, reissued February 2019.