### U.S. DEPARTMENT OF HOMELAND SECURITY Federal Emergency Management Agency National Flood Insurance Program

OMB No. 1660-0008 Expiration Date: November 30, 2018

## **ELEVATION CERTIFICATE**

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

| SECTION A - PROPERTY INFORMATION   |  |   |            |                                   | FOR INSUF                | ANCE COMPANY USE                   |                                 |
|--|--|---|------------|-----------------------------------|--------------------------|------------------------------------|---------------------------------|
| A1. Building Owner's Name  JJ & Z Builders, LLC dba Blue Ribbon Builders, Inc.  Policy Number:                               |  |   |            |                                   | oer:                     |                                    |                                 |
| A2. Building Street<br>Box No.<br>35 Long Creek Land   | ·  | cluding Apt., Unit, Suit                | e, and/o   | r Bldg. No.) o                    | r P.O. Route and         | Company N                          | AIC Number:                     |
| City<br>Richmond Hill  | City State ZIP Code  |   |            |                                   |                          |                                    |                                 |
|  | A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 3, Waterways Township, Long Creek Subdivision, PUD Parcel 51 (Plat Book 624, Pages 1-5), Bryan Co. Parcel #068 140. |   |            |                                   |                          |                                    |                                 |
| A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential                                 |  |   |            |                                   |                          |                                    |                                 |
| A5. Latitude/Longit  | ude: Lat. 3°   | 1.8555                                  | Long       | 81.1987                           | Horizonta                | Datum: NAD 1                       | 927 🗵 NAD 1983                  |
| A6. Attach at least  | 2 photograp  | hs of the building if the               | e Certific | ate is being ι                    | <br>used to obtain floo  | d insurance.                       | _                               |
| A7. Building Diagra  | m Number   | 3                                       |            |                                   |                          |                                    |                                 |
| A8. For a building v   | vith a crawls  | pace or enclosure(s):                   |            |                                   |                          |                                    |                                 |
| a) Square foot   | age of crawl   | space or enclosure(s)                   |            |                                   | N/A sq ft                |                                    |                                 |
| b) Number of p   | ermanent flo   | od openings in the cr                   | awispace   | or enclosure                      | <br>e(s) within 1.0 foot | above adjacent gra                 | de 0                            |
| c) Total net are   | ea of flood op   | enings in A8.b                          |            | 0.00 sq ir                        | 1                        |                                    |                                 |
| d) Engineered  | flood openin   | gs? 🗌 Yes 🗵 N                           | 10         |                                   |                          |                                    |                                 |
| A9. For a building w   | ith an attach  | ed garage:                              |            |                                   |                          |                                    | ·                               |
| a) Square footage of attached garage 599.00 sq ft  |  |   |            |                                   |                          |                                    |                                 |
| b) Number of p   | ermanent flo   | od openings in the at                   | lached g   | arage within                      | 1.0 foot above adia      | acent grade 3                      |                                 |
|  | b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 3  c) Total net area of flood openings in A9.b  600.00 sq in   |   |            |                                   |                          |                                    |                                 |
| d) Engineered  |  | *************************************** | lo         |                                   |                          |                                    |                                 |
|  |  | g. [2] 100 [] 1                         |            |                                   |                          |                                    |                                 |
|  | SE   | CTION B - FLOOD I                       | NSURA      | NCE RATE                          | MAP (FIRM) INF           | ORMATION                           |                                 |
| B1, NFIP Communit<br>Bryan County & 130  | ~  | ommunity Number                         |            | B2. County<br>Bryan               | Name                     |                                    | B3. State<br>Georgia            |
| B4. Map/Panel<br>Number  | B5. Suffix   | B6. FIRM Index<br>Date                  | Effe       | RM Panel<br>ective/<br>rised Date | B8. Flood<br>Zone(s)     | B9. Base Flood El<br>(Zone AO, use | evation(s)<br>Base Flood Depth) |
| 13029C0400   | С  | 05-05-2014                              | 03-02-2    |                                   | AE&X(Shaded)             | AE = 13.0'                         |                                 |
| B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:                      |  |   |            |                                   |                          |                                    |                                 |
| ☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other/Source:  |  |   |            |                                   |                          |                                    |                                 |
| B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other/Source:                                     |  |   |            |                                   |                          |                                    |                                 |
| B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? 🗌 Yes 🗵 No |  |   |            |                                   |                          |                                    |                                 |
| Designation Date: CBRS  OPA  |  |   |            |                                   |                          |                                    |                                 |
|  |  |   |            |                                   |                          |                                    |                                 |

## **ELEVATION CERTIFICATE**

OMB No. 1660-0008 Expiration Date: November 30, 2018

| IMPORTANT: In these spaces, copy the corresponding information   | on from Section A.                 | FOR INSURANCE COMPANY USE  |  |  |
|--|------------------------------------|--|--|--|
| Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) 35 Long Creek Lane   | or P.O. Route and Box No.          | Policy Number:   |  |  |
| City State Richmond Hill Georgia   | ZIP Code<br>31324                  | Company NAIC Number  |  |  |
| SECTION C – BUILDING ELEVATION   | NFORMATION (SURVEY RE              | EQUIRED)   |  |  |
| C1. Building elevations are based on:   Construction Drawings  | * Building Under Constru           | uction* X Finished Construction  |  |  |
| *A new Elevation Certificate will be required when construction  | of the building is complete.       |  |  |  |
| C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30 Complete Items C2.a–h below according to the building diagram  | n specified in Item A7. In Puert   |  |  |  |
|  | ical Datum: NAVD 88                |  |  |  |
| Indicate elevation datum used for the elevations in items a) thro ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source:  | ugh n) below.                      |  |  |  |
| Datum used for building elevations must be the same as that us   | ed for the BFE.                    | -  |  |  |
|  |                                    | Check the measurement used.  |  |  |
| a) Top of bottom floor (including basement, crawlspace, or enc   |                                    | 13.00 X feet meters  |  |  |
| b) Top of the next higher floor  |                                    | 15.10 × feet meters  |  |  |
| c) Bottom of the lowest horizontal structural member (V Zones  |                                    | N/A  feet  meters  |  |  |
| d) Attached garage (top of slab)   |                                    | 13.00 $\times$ feet $\square$ meters                                   |  |  |
| e) Lowest elevation of machinery or equipment servicing the but (Describe type of equipment and location in Comments)  |                                    | 14.10 $\boxtimes$ feet $\square$ meters                                |  |  |
| f) Lowest adjacent (finished) grade next to building (LAG)   |                                    | 11.80 X feet meters  |  |  |
| g) Highest adjacent (finished) grade next to building (HAG)  |                                    | 13.10 X feet meters  |  |  |
| <ul> <li>h) Lowest adjacent grade at lowest elevation of deck or stairs,<br/>structural support</li> </ul>   | including                          | N/A 🗵 feet 🗌 meters  |  |  |
| SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION   |                                    |  |  |  |
| This certification is to be signed and sealed by a land surveyor, engi<br>I certify that the information on this Certificate represents my best ef<br>statement may be punishable by fine or imprisonment under 18 U.S.  | forts to interpret the data availa | law to certify elevation information. ble. I understand that any false |  |  |
| Were latitude and longitude in Section A provided by a licensed land   |                                    | ⊠ Check here if attachments.   |  |  |
| Certifier's Name License N   |                                    |  |  |  |
| Joseph Akard Hale, Jr. GA RLS I  | NO. 2886                           | ORG  |  |  |
| Title<br>Registered Land Surveyor  |                                    | O REGISTER OF  |  |  |
| Company Name<br>Kern & Company, LLC  |                                    | NO. 2886   |  |  |
| Address<br>6 Mall Court  |                                    | C 23.17  |  |  |
| City State Savannah Georgia  | ZIP Code<br>31406                  | SURVEYOUS.   |  |  |
| Signature Date 06-23-20  | Telephone<br>17 (912) 354-8400     | Ext.   |  |  |
| Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.  |                                    |  |  |  |
| Comments (including type of equipment and location, per C2(e), if applicable)  SECTION A5: Method of determination by use of handheld GPS receiver.  SECTION A8.c: There is one (1) Model # 1540-520 Smart Vent and two (2) Model # 1540-524 Smart Vents used providing 200 square feet of coverage each, totaling 600 total square feet of coverage.  SECTION C2: The Bench Mark used for this certificate was established using "EGPS" GPS Base Station Network.  SECTION C2.a: The elevation is for the top of the garage slab. Proposed living space above the garage.  SECTION C2.b: The elevation is for the top of the wooden platforms for the heat numbs located along the left side exterior wall. |                                    |  |  |  |

## ELEVATION CERTIFICATE

OMB No. 1660-0008 Expiration Date: November 30, 2018

| IMPORTANT: In these spaces, copy the corresponding information from Section A.  |  |  | FOR INSURANCE COMPANY USE   |  |  |
|---|--|--|---|--|--|
| Building Street Address (including Apt., Unit, Suite, an 35 Long Creek Lane   | nd/or Bldg. No.) or F                    | P.O. Route and Box No.                                     | Policy Number:  |  |  |
| City<br>Richmond Hill   | State<br>Georgia                         | ZIP Code<br>31324  | Company NAIC Number   |  |  |
| SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)   |  |  |   |  |  |
| For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B,and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.  E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG). |  |  |   |  |  |
| a) Top of bottom floor (including basement, crawlspace, or enclosure) is  | adjacent grade (LA                       |  | rs  above or  below the HAG.  |  |  |
| <ul> <li>b) Top of bottom floor (including basement,<br/>crawlspace, or enclosure) is</li> </ul>  |  |  |   |  |  |
| E2. For Building Diagrams 6–9 with permanent flood the next higher floor (elevation C2.b in the diagrams) of the building is  | openings provided                        | in Section A Items 8 and/o                                 |   |  |  |
| E3. Attached garage (top of slab) is  |  | feet _ mete  | rs ☐ above or ☐ below the HAG.  |  |  |
| E4. Top of platform of machinery and/or equipment servicing the building is   |  | feet   | <del>-</del>  |  |  |
| E5. Zone AO only: If no flood depth number is available floodplain management ordinance? Yes  | ble, is the top of the  No Dunknov       | bottom floor elevated in ac<br>vn. The local official must | ccordance with the community's certify this information in Section G. |  |  |
| SECTION F - PROPERTY OW   | NER (OR OWNER                            | 'S REPRESENTATIVE) C                                       | ERTIFICATION  |  |  |
| The property owner or owner's authorized representat community-issued BFE) or Zone AO must sign here. T   | ive who completes<br>The statements in S | Sections A, B, and E for Zo<br>sections A, B, and E are co | one A (without a FEMA-issued or rect to the best of my knowledge.     |  |  |
| Property Owner or Owner's Authorized Representative   | e's Name                                 | WO   |   |  |  |
| Address   | С  | ity Si   | tate ZIP Code   |  |  |
| Signature   | D  | ate Te   | elephone  |  |  |
| Comments  | ,  |  | ***************************************                               |  |  |
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|   |  |  | Check here if attachments.  |  |  |

## **ELEVATION CERTIFICATE**

OMB No. 1660-0008 Expiration Date: November 30, 2018

| IMPORTANT: In these spaces, copy the corre   | FOR INSURANCE COMPANY USE   |                          |  |  |  |  |
|--|---|--------------------------|--|--|--|--|
| Building Street Address (including Apt., Unit, St 35 Long Creek Lane   | No. Policy Number:  |                          |  |  |  |  |
| City<br>Richmond Hill  | State<br>Georgia  | ZIP Code<br>31324        | Company NAIC Number                                    |  |  |  |
| SECTIO   | N G - COMMUNITY IN  | FORMATION (OPTIO         | NAL)   |  |  |  |
| The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters. |   |                          |  |  |  |  |
| G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)                                   |   |                          |  |  |  |  |
| G2. A community official completed Secti or Zone AO.   | on E for a building locat   | ted in Zone A (without a | a FEMA-issued or community-issued BFE)                 |  |  |  |
| G3. The following information (Items G4–   | G10) is provided for co   | mmunity floodplain man   | nagement purposes.                                     |  |  |  |
| G4. Permit Number  | G5. Date Permit Issue   | ed                       | G6. Date Certificate of<br>Compliance/Occupancy Issued |  |  |  |
| G7. This permit has been issued for:   | New Construction  | Substantial Improveme    | ent  |  |  |  |
| G8. Elevation of as-built lowest floor (including of the building:   | j basement)   |                          | feet meters Datum                                      |  |  |  |
| G9. BFE or (in Zone AO) depth of flooding at t   | he building site:   |                          | feet meters Datum                                      |  |  |  |
| G10. Community's design flood elevation:   |   |                          | feet meters Datum                                      |  |  |  |
| Local Official's Name  |   | Title                    |  |  |  |  |
| Community Name   | Additional Control of | Telephone                |  |  |  |  |
| Signature  |   | Date                     |  |  |  |  |
| Comments (including type of equipment and location, per C2(e), if applicable)  |   |                          |  |  |  |  |
|  |   |                          |  |  |  |  |
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|  |   |                          |  |  |  |  |
|  |   |                          | Check here if attachments.                             |  |  |  |

## **BUILDING PHOTOGRAPHS**

See Instructions for Item A6.

OMB No. 1660-0008 Expiration Date: November 30, 2018

**ELEVATION CERTIFICATE** 

Richmond Hill

| IMPORTANT: In these spaces, copy th      | FOR INSURANCE COMPANY USE |          |                     |
|--|---------------------------|----------|---------------------|
| Building Street Address (including Apt., | Policy Number:            |          |                     |
| 35 Long Creek Lane                       |                           |          |                     |
| City                                     | State                     | ZIP Code | Company NAIC Number |

31324

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

Georgia



Photo One

Photo One Caption

Front View (06-23-2017)

Clear Photo One



Photo Two

Rear View (06-23-2017)

Clear Photo Two

Photo Two Caption

## **BUILDING PHOTOGRAPHS**

## **ELEVATION CERTIFICATE**

**Continuation Page** 

OMB No. 1660-0008 Expiration Date: November 30, 2018

| IMPORTANT: In these spaces, copy the                           | FOR INSURANCE COMPANY USE |          |                     |
|--|---------------------------|----------|---------------------|
| Building Street Address (including Apt., Ur 35 Long Creek Lane | Policy Number:            |          |                     |
| City   | State                     | ZIP Code | Company NAIC Number |
| Richmond Hill  | Georgia                   | 31324    | 100                 |

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.



Photo Three

**Photo Three Caption** Left Side View (06-23-2017) Clear Photo Three



Photo Four

**Photo Four Caption** Right Side View (06-23-2017) Clear Photo Four





# **ICC-ES Report**

ICC-ES | (800) 423-6587 | (562) 699-0543 | www.icc-es.org

**ESR-2074** 

Reissued 02/2017 This report is subject to renewal 02/2019.

**DIVISION: 08 00 00—OPENINGS** 

SECTION: 08 95 43—VENTS/FOUNDATION FLOOD VENTS

#### **REPORT HOLDER:**

## **SMARTVENT PRODUCTS, INC.**

430 ANDBRO DRIVE, UNIT 1 PITMAN, NEW JERSEY 08071

#### **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



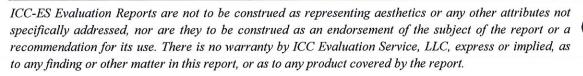
Look for the trusted marks of Conformity!

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















## **ICC-ES Evaluation Report**

## **ESR-2074**

Reissued February 2017

This report is subject to renewal February 2019.

www.icc-es.org | (800) 423-6587 | (562) 699-0543

A Subsidiary of the International Code Council®

**DIVISION: 08 00 00—OPENINGS** 

Section: 08 95 43—Vents/Foundation Flood Vents

#### REPORT HOLDER:

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

#### **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

#### 1.0 EVALUATION SCOPE

#### Compliance with the following codes:

- 2015, 2012, 2009 and 2006 International Building Code<sup>®</sup> (IBC)
- 2015, 2012, 2009 and 2006 International Residential Code<sup>®</sup> (IRC)
- 2013 Abu Dhabi International Building Code (ADIBC)<sup>†</sup>

<sup>†</sup>The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

#### Properties evaluated:

- Physical operation
- Water flow

#### **2.0 USES**

The Smart Vent<sup>®</sup> units are engineered mechanically operated flood vents (FVs) employed to equalize hydrostatic pressure on walls of enclosures subject to rising or falling flood waters. Certain models also allow natural ventilation.

#### 3.0 DESCRIPTION

#### 3.1 General:

When subjected to rising water, the Smart Vent<sup>®</sup> FVs internal floats are activated, then pivot open to allow flow in either direction to equalize water level and hydrostatic pressure from one side of the foundation to the other. The FV pivoting door is normally held in the closed position by a buoyant release device. When subjected to rising water, the buoyant release device causes the unit to unlatch, allowing the door to rotate out of the way and allow flow.

The water level stabilizes, equalizing the lateral forces. Each unit is fabricated from stainless steel. Smart Vent® Automatic Foundation Flood Vents are available in various models and sizes as described in Table 1. The SmartVENT® Stacking Model #1540-511 and FloodVENT® Stacking Model #1540-521 units each contain two vertically arranged openings per unit.

#### 3.2 Engineered Opening:

The FVs comply with the design principle noted in Section 2.7.2.2 and Section 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)] for a maximum rate of rise and fall of 5.0 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24, Smart Vent FVs must be installed in accordance with Section 4.0.

#### 3.3 Ventilation:

The SmartVENT® Model #1540-510 and SmartVENT® Overhead Door Model #1540-514 both have screen covers with \$^{1}\_{4}\$-inch-by-\$^{1}\_{4}\$-inch (6.35 by 6.35 mm) openings, yielding 51 square inches (32 903 mm²) of net free area to supply natural ventilation. The SmartVENT® Stacking Model #1540-511 consists of two Model #1540-510 units in one assembly, and provides 102 square inches (65 806 mm²) of net free area to supply natural ventilation. Other FVs recognized in this report do not offer natural ventilation.

#### 4.0 DESIGN AND INSTALLATION

SmartVENT® and FloodVENT® are designed to be installed into walls or overhead doors of existing or new construction from the exterior side. Installation of the vents must be in accordance with the manufacturer's instructions, the applicable code and this report. Installation clips allow mounting in masonry and concrete walls of any thickness. In order to comply with the engineered opening design principle noted in Section 2.7.2.2 and 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)], the Smart Vent® FVs must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one FV for every 200 square 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.

#### 5.0 CONDITIONS OF USE

The Smart Vent<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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**

Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015.

#### 7.0 IDENTIFICATION

The Smart VENT® models 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).

**TABLE 1—MODEL SIZES** 

| MODEL NAME                         | MODEL NUMBER | MODEL SIZE (in.)   | COVERAGE (sq. ft.) |
|------------------------------------|--------------|--|--------------------|
| FloodVENT®                         | 1540-520     | 15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> " | 200                |
| SmartVENT <sup>®</sup>             | 1540-510     | 15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> " | 200                |
| FloodVENT® Overhead Door           | 1540-524     | 15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> " | 200                |
| SmartVENT® Overhead Door           | 1540-514     | 15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> " | 200                |
| Wood Wall FloodVENT®               | 1540-570     | 14" X 8 <sup>3</sup> / <sub>4</sub> "                              | 200                |
| Wood Wall FloodVENT® Overhead Door | 1540-574     | 14" X 8 <sup>3</sup> / <sub>4</sub> "                              | 200                |
| SmartVENT® Stacker                 | 1540-511     | 16" X 16"  | 400                |
| FloodVent <sup>®</sup> Stacker     | 1540-521     | 16" X 16"  | 400                |

For SI: 1 inch = 25.4 mm; 1 square foot = m<sup>2</sup>

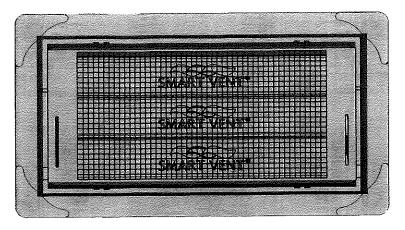


FIGURE 1-SMART VENT: MODEL 1540-510

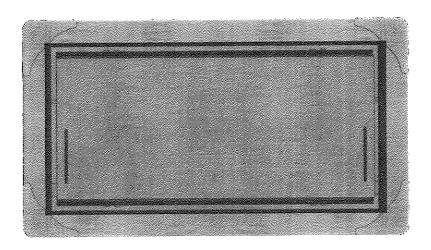


FIGURE 2—SMART VENT MODEL 1540-520

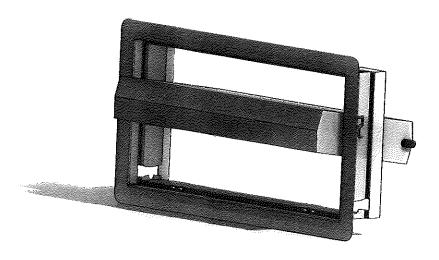


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN