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

OMB Control No. 1660-0008 Expiration Date: 06/30/2026

ELEVATION CERTIFICATEIMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

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 INSURANCE COMPANY USE					
A1. Building Owner's Name: JAY AND MARY TINGLE	Policy Number:					
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: Company NAIC Number:						
City: NOKOMIS State: FL	ZIP Code: 34275					
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel NumPT. LOTS 5 & 6, BLOCK E, HAVANA HEIGHTS, PID#0161020050	nber:					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.):						
A5. Latitude/Longitude: Lat. 27.159578 Long. (-)82.473173 Horizontal Datum: N	AD 1927 NAD 1983 WGS 84					
A6. Attach at least two and when possible four clear photographs (one for each side) of the building	(see Form pages 7 and 8).					
A7. Building Diagram Number:6						
A8. For a building with a crawlspace or enclosure(s):						
a) Square footage of crawlspace or enclosure(s): 1,037.00 sq. ft.						
b) Is there at least one permanent flood opening on two different sides of each enclosed area?	⊠ Yes □ No □ N/A					
c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot Non-engineered flood openings:0 Engineered flood openings:8						
d) Total net open area of non-engineered flood openings in A8.c: sq. in.						
e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instruction	ons): 1,600.00 sq. ft.					
f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): sq. ft.						
A9. For a building with an attached garage:						
a) Square footage of attached garage: sq. ft.						
b) Is there at least one permanent flood opening on two different sides of the attached garage?	Yes No No N/A					
c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adja Non-engineered flood openings:0 Engineered flood openings:0	acent grade:					
d) Total net open area of non-engineered flood openings in A9.c: sq. in.						
e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instruction	ons): sq. ft.					
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): sq. ft.						
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFOR	RMATION					
B1.a. NFIP Community Name: SARASOTA COUNTY B1.b. NFIP Community Iden	ntification Number: 125144					
B2. County Name: SARASOTA B3. State: FL B4. Map/Panel No.: 1	12115C0226 B5. Suffix: F					
B6. FIRM Index Date: 11/04/2016 B7. FIRM Panel Effective/Revised Date: 11/04/20	16					
B8. Flood Zone(s): AE B9. Base Flood Elevation(s) (BFE) (Zone AO, use E	Base Flood Depth): 10					
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: ☐ FIS ☐ FIRM ☐ Community Determined ☐ Other:						
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 Prote Designation Date:	ected Area (OPA)?					
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)?	No					

Building Street Address (including Apt., Unit, Suite,	and/or Bld	g. No.) c	r P.O. Route and Box	No.:	FOR	INSL	JRANC	E C	OMPANY USE
2601 BROAD STREET Policy Number:									
City: NOKOWIS	State:_	- FL	_ ZIP Code: <u>34275</u> _		Company NAIC Number:				er:
SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)									
C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction A new Elevation Certificate will be required when construction of the building is complete.									
C2. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: NGS DATAPOINT P727 Vertical Datum: NAVD 1988									
Indicate elevation datum used for the elevations in ☐ NGVD 1929 ☐ NAVD 1988 ☐ Other	,	through	h) below.						
Datum used for building elevations must be the sa If Yes, describe the source of the conversion factor				on factor us	ed?			1 🖂	No surement used:
a) Top of bottom floor (including basement, or	crawlspac	e, or end	closure floor):		6.00		feet		meters
b) Top of the next higher floor (see Instruction	ns):			1	16.40	\boxtimes	feet		meters
c) Bottom of the lowest horizontal structural	member (see Insti	uctions):		0.00	\boxtimes	feet	ı	meters
d) Attached garage (top of slab):					0.00	\boxtimes	feet		meters
e) Lowest elevation of Machinery and Equip (describe type of M&E and location in Sec				1	11.10		feet		meters
f) Lowest Adjacent Grade (LAG) next to buil	ding:	Natura	Finished		4.70	\boxtimes	feet		meters
g) Highest Adjacent Grade (HAG) next to bu	ilding: 🗌	Natura	Finished		5.10	\boxtimes	feet		meters
h) Finished LAG at lowest elevation of attack support:	ned deck o	or stairs,	including structural		4.70	\boxtimes	feet		meters
SECTION D - SURV	/EYOR, I	ENGINI	ER, OR ARCHITE	CT CERT	FICA	ΓΙΟΝ			
This certification is to be signed and sealed by a linformation. I certify that the information on this C false statement may be punishable by fine or impli-	ertificate ı	epreser	ts my best efforts to in	nterpret the					
Were latitude and longitude in Section A provided by a licensed land surveyor? ☐ Yes ☐ No									
⊠ Check here if attachments and describe in the	Comment	s area.							
Certifier's Name: JAMES B AMBERGER		Licen	se Number: PSM 633	33			UIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	IIIIII, MRE	
Title: PRESIDENT					_ .	HILL	ICENSE !	IUMB	CENTILL .
Company Name: JIM AMBERGER LAND SUR	RVEYING	, LLC			_	1	63		
Certifier's Name: JAMES B AMBERGER License Number: PSM 6333 Title: PRESIDENT Company Name: JIM AMBERGER LAND SURVEYING, LLC Address: 1055 S. TAMIAMI TRAIL SUITE 110-B City: SARASOTA State: FL ZIP Code: 34236 STATE OF FLORIDA FLORIDA									
City: SARASOTA	S	tate:	FL ZIP Code: 34	1236	_	Profession	STAT		80011111111111111111111111111111111111
Signature:			Date: 09/09	9/2023		Till	Pal Surv	eyot	Sullill.
	Email:	berger	ime@verizon.net						l Here
Copy all pages of this Elevation Certificate and all a	— ttachment	s for (1)	community official, (2)	insurance a	gent/cc	mpai	ny, and	(3) b	uilding owner.
Comments (including source of conversion factor A5: SCALED FROM LABINS WEBSITE A8/9 & C2a-h: 0.0=N/A	in C2; typ	e of equ	ipment and location p	er C2.e; an	d desc	riptio	n of any	atta	achments):

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE						
2601 BROAD STREET	Policy Number:						
City: NOKOMIS State: FL ZIP Code: 34275	Company NAIC Number:						
SECTION E – BUILDING MEASUREMENT INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO, ZONE AR/AO, AND ZONE A (WITHOUT BFE)							
For Zones AO, AR/AO, and A (without BFE), complete Items E1–E5. For Items E1–E4, use natural grade, if available. If the Certificate is intended to support a Letter of Map Change request, complete Sections A, B, and C. Check the measurement used. In Puerto Rico only, enter meters.							
Building measurements are based on: Construction Drawings* Building Under Construction* Finished Construction *A new Elevation Certificate will be required when construction of the building is complete.							
E1. Provide measurements (C.2.a in applicable Building Diagram) for the following and check the a measurement is above or below the natural HAG and the LAG.	appropriate boxes to show whether the						
a) Top of bottom floor (including basement, crawlspace, or enclosure) is:	above or below the HAG.						
b) Top of bottom floor (including basement, crawlspace, or enclosure) is:	above or below the LAG.						
E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/o next higher floor (C2.b in applicable Building Diagram) of the building is:							
Building Diagram) of the building is: E3. Attached garage (top of slab) is: [feet meters	□ above or □ below the HAG. □ above or □ below the HAG.						
E4. Top of platform of machinery and/or equipment servicing the building is:	above or below the HAG.						
E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in an floodplain management ordinance? Yes No Unknown The local official multiple of the bottom floor elevated in an floodplain management ordinance?							
SECTION F - PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESEN	ITATIVE) CERTIFICATION						
The property owner or owner's authorized representative who completes Sections A, B, and E for Z sign here. <i>The statements in Sections A, B, and E are correct to the best of my knowledge</i> Check here if attachments and describe in the Comments area.	one A (without BFE) or Zone AO must						
Property Owner or Owner's Authorized Representative Name:							
Address:							
	ZIP Code:						
Signature: Date:							
Telephone: Ext.: Email:							
Comments:							

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:					FOR INSURANCE COMPANY USE			
2601 BROAD STREET City: NOKOMIS State: FL ZIP Code: 34275				Policy Nur	Policy Number:			
City: NOKOMIS	State: FL	ZIP Code: <u>3427</u>	5	Company	NAIC Number:			
SECTION G - COMMUNITY INFORM	IATION (RECOM	MENDED FOR	соммии	ITY OFFICIA	AL COMPLETION)			
The local official who is authorized by law or ordin Section A, B, C, E, G, or H of this Elevation Certif					rdinance can complete			
G1. The information in Section C was take engineer, or architect who is authorize elevation data in the Comments area	ed by state law to c							
G2.a. A local official completed Section E for a building located in Zone A (without a BFE), Zone AO, or Zone AR/AO, or when item E5 is completed for a building located in Zone AO.								
G2.b.	r insurance purpos	es.						
G3.	he local official des	cribes specific corr	rections to t	the information	n in Sections A, B, E and H.			
G4.	G11) is provided for	r community floodp	olain manag	ement purpos	es.			
G5. Permit Number:	G6. Date Pe	ermit Issued:						
G7. Date Certificate of Compliance/Occupance	y Issued:							
G8. This permit has been issued for: Nev	Construction	Substantial Impro	vement					
G9.a. Elevation of as-built lowest floor (including building:	g basement) of the		_	meters	Datum:			
G9.b. Elevation of bottom of as-built lowest horizmember:	zontal structural		_	meters	Datum:			
G10.a. BFE (or depth in Zone AO) of flooding at t	he building site:		feet	meters	Datum:			
G10.b. Community's minimum elevation (or depth requirement for the lowest floor or lowest member:		ıl	□ feet	☐ meters	Datum:			
	∕es, attach docume	entation and descri	_ 🗀		-			
The local official who provides information in Sec correct to the best of my knowledge. If applicable	tion G must sign he	ere. <i>I have complet</i>	ed the infor	mation in Sec	tion G and certify that it is			
Local Official's Name:		Title:						
NFIP Community Name:								
Address:								
City:					ode:			
Signature:		Date:						
Comments (including type of equipment and local Sections A, B, D, E, or H):	tion, per C2.e; desc	cription of any attac	chments; ar	nd corrections	to specific information in			

Building Street Address (including Ap	t., Unit, Suite, and	d/or Bldg. No.) o	r P.O. Route and Bo	ox No.:	FOR INSURANCE COMPA	ANY USE
2601 BROAD STREET		Policy Number:				
City: NOKOMIS		State: FL	ZIP Code: <u>3427</u>	<u> </u>	Company NAIC Number:	
			R HEIGHT INFOI R INSURANCE I			
The property owner, owner's author to determine the building's first floor nearest tenth of a foot (nearest tenth <i>Instructions</i>) and the appropriate	height for insura n of a meter in Pเ	nce purposes. S uerto Rico). <i>Ret</i>	Sections A, B, and ference the Found	l must also b lation Type L	e completed. Enter heights to Diagrams (at the end of Sec	the
H1. Provide the height of the top of	the floor (as indi	cated in Founda	ation Type Diagram	ns) above the	Lowest Adjacent Grade (LAG)):
 a) For Building Diagrams 1A floor (include above-grade floor subgrade crawlspaces or enclo 	s only for building			feet [] meters	G
b) For Building Diagrams 2A higher floor (i.e., the floor above enclosure floor) is:				feet [] meters	3
H2. Is all Machinery and Equipmen H2 arrow (shown in the Founda						ed by the
SECTION I - PROPER	TY OWNER (C	OR OWNER'S	AUTHORIZED F	REPRESEN	TATIVE) CERTIFICATION	
The property owner or owner's authors, B, and H are correct to the best of indicate in Item G2.b and sign Section	f my knowledge.					
Check here if attachments are pr	rovided (including	g required photo	os) and describe ea	ach attachme	nt in the Comments area.	
Property Owner or Owner's Authoriz	ed Representati	ve Name:				
Address:						
City:				State:	ZIP Code:	
Signature:			Date:			
Telephone:	Ext.:	Email:			<u> </u>	
Comments:						

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19 BUILDING PHOTOGRAPHS

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite,	FOR INSURANCE COMPANY USE			
2601 BROAD STREET	Doliov Number			
City: NOKOMIS	State:	FL	ZIP Code: 34275	Policy Number:
City. MONOWING	State		ZII Gode. <u>54275</u>	Company NAIC Number:

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo One

Photo One Caption: FRONT VIEW (EAST SIDE) date of photo: 9-5-2023

Clear Photo One



Photo Two

Photo Two Caption: REAR VIEW (WEST SIDE) date of photo: 9-5-2023

Clear Photo Two

ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

BUILDING PHOTOGRAPHS

Continuation Page

Building Street Address (including Apt., Unit, Suite,	FOR INSURANCE COMPANY USE			
2601 BROAD STREET City: NOKOMIS	State:_	FL	ZIP Code: <u>34275</u>	Policy Number:

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo Three

Photo Three Caption: SIDE VIEW (SOUTH SIDE) date of photo: 9-5-2023

Clear Photo Three



Photo Four

Photo Four Caption: TYPICAL FLOW -THRU VENT

Clear Photo Four



ICC-ES Evaluation Report

ESR-2074

Reissued February 2021

This report is subject to renewal February 2023.

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:

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

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2018, 2015, 2012, 2009 and 2006 International Building Code[®] (IBC)
- 2018, 2015, 2012, 2009 and 2006 International Residential Code® (IRC)
- 2018 International Energy Conservation Code® (IECC)
- 2013 Abu Dhabi International Building Code (ADIBC)[†]

[†]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® 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® 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.

3.4 Flood Vent Sealing Kit:

The Flood Vent Sealing Kit Model #1540-526 is used with SmartVENT® Model #1540-520. It is a Homasote 440 Sound Barrier® (ESR-1374) insert with 21 – 2-inch-by-2-inch (51 mm x 51 mm) squares cut in it. See Figure 4.

4.0 DESIGN AND INSTALLATION

4.1 SmartVENT® and FloodVENT®:

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 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

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	ADI	 				

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

For SI: 1 inch = 25.4 mm; 1 square foot = m^2

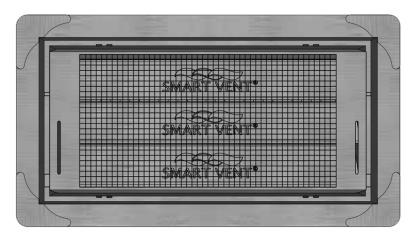


FIGURE 1—SMART VENT: MODEL 1540-510

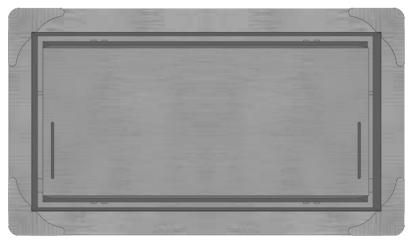


FIGURE 2—SMART VENT MODEL 1540-520



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

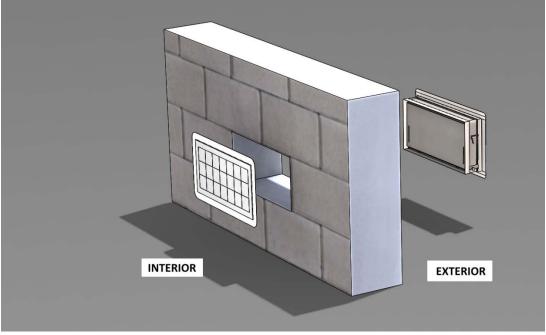


FIGURE 4—FLOOD VENT SEALING KIT