2570-03733

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

OMB No. 1660-0008

Expiration Date: November 30, 2022

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 INSURANCE COMPANY USE Policy Number: A1. Building Owner's Name Taylor Morrison of Florida Inc A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Company NAIC Number: 2414 Coral Ct City State ZIP Code FL 33785 Indian Rocks Beach A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 4 Walk at Indian Rocks Beach PB 144 (Pgs 23-24) Permit # CB20-03733 A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential A5. Latitude/Longitude: Lat. N27°54'23.6" Long. W82°50'47.4 Horizontal Datum: NAD 1927 X NAD 1983 A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance. A7. Building Diagram Number 7 A8. For a building with a crawlspace or enclosure(s): a) Square footage of crawlspace or enclosure(s) 704 b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade c) Total net area of flood openings in A8.b 1792 sq in d) Engineered flood openings? X Yes No A9. For a building with an attached garage: a) Square footage of attached garage
 N/A
 sq ft b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade N/A c) Total net area of flood openings in A9.b N/A sq in d) Engineered flood openings? Yes X No SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION B1. NFIP Community Name & Community Number **B2. County Name** B3. State Pinellas County FL City of Indian Rocks Beach 125117C B9. Base Flood Elevation(s) B4. Map/Panel B5. Suffix B6. FIRM Index **B7. FIRM Panel** B8. Flood Zone(s) (Zone AO, use Base Flood Depth) Date Effective/ Number Revised Date 09/03/2003 ΑE 11.4 12103C0111 G 08/18/2009 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: SEE COMMENTS

N/A

B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 X NAVD 1988 Dther/Source:

CBRS OPA

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? 🔲 Yes 🗵 No

Replaces all previous editions.

Form Page 1 of 6

Designation Date:

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corresponding information fro	FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.G.	D. Route and Box No.	Policy Number:
2414 Coral Ct		
City State	ZIP Code	Company NAIC Number
Indian Rocks Beach FL	33785	
SECTION C – BUILDING ELEVATION INFO	RMATION (SURVEY R	EQUIRED)
C1. Building elevations are based on: Construction Drawings*	Building Under Constru	uction* 🗵 Finished Construction
*A new Elevation Certificate will be required when construction of the	-	
C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (Complete Items C2.a–h below according to the building diagram spe	cified in Item A7. In Puert	/AE, AR/A1–A30, AR/AH, AR/AO. to Rico only, enter meters.
	atum; NAVD 1988	
Indicate elevation datum used for the elevations in items a) through h) below.	
□ NGVD 1929 ☒ NAVD 1988 □ Other/Source:	- the DCC	
Datum used for building elevations must be the same as that used fo	r the BFE.	Check the measurement used.
a) Top of bottom floor (including basement, crawlspace, or enclosure	e floor)5. 8	X feet meters
b) Top of the next higher floor	16 . 5	🔀 feet 🗌 meters
c) Bottom of the lowest horizontal structural member (V Zones only)	N/A	feet _ meters
d) Attached garage (top of slab)	N/A	feet meters
 e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 	14.0	X feet
f) Lowest adjacent (finished) grade next to building (LAG)	<u>4</u> . <u>6</u>	X feet meters
g) Highest adjacent (finished) grade next to building (HAG)	<u> </u>	🔀 feet 🗌 meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, include structural support	lingN/A	feet meters
SECTION D - SURVEYOR, ENGINEER, O	R ARCHITECT CERTIF	ICATION
This certification is to be signed and sealed by a land surveyor, engineer, I certify that the information on this Certificate represents my best efforts to statement may be punishable by fine or imprisonment under 18 U.S. Cod	o interpret the data availa	y law to certify elevation information. able. I understand that any false
Were latitude and longitude in Section A provided by a licensed land surv		◯ Check here if attachments.
Certifier's Name License Numb	er	
Scott R. Fowler LS5185		
Title		First Whom lund
Professional Surveyor and Mapper		ا کیمک
Company Name		
Landmark Engineering & Surveying Corp.		_(; <i>X</i> ¹
Address		Xrs
8515 Palm River Road City State	ZIP Code	- 1 $ 1$ $ 1$
City State Tampa FL	33619	LS5185 //7(2021
Signature C	Telephone	
http:// 1-7.2021	813-621-7841	
Copy all pages of this Elevation Certificate and all attachments for (1) commu	ınity official, (2) insurance	agent/company, and (3) building owner.
Comments (including type of equipment and location, per C2(e), if applica Not valid without the original signature and seal of a Florida Registered Surveyor and Ma Longitude obtained with a hand held GPS device. The equipment referenced in C2e is total net area of flood openings in A8c is calculated as follows: 3 Smart Vent Insulated F 200 square feet, 3 non engineered vents in an enclosure wall each measuring 16" x 16.5 enclosure overhead door each certified to handle 200 square feet. Attachment: ICC-ES Floodplain Development Through the National Flood Insurance Program" (Unit 4 Using I	apper or Electronic equivalent. he air conditioner, located out lood Vents (model 1540-520) i so and 2 Smart Vent Insulated Elevation Report ESR-2074.	side the structure, along the left side wall. The in the enclosure walls each certified to handle Flood Vents (model 1540-524) in the Attachment: Page 4-6 of "Managing

OMB No. 1660-0008

Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the correspond	FOR INSURANCE COMPANY USE					
Building Street Address (including Apt., Unit, Suite, and	/or Bldg. No.) or P.O. Rout	e and Box No.	Policy Number:			
2414 Coral Ct						
	State ZIP (Company NAIC Number			
Indian reside Beasin	FL 337					
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 complete Sections A, B,and C. For Items E1–E4, use n enter meters.	–E5. If the Certificate is inta atural grade, if available. C	ended to support a heck the measure	LOMA or LOMR-F request, ment used. In Puerto Rico only,			
E1. Provide elevation information for the following and the highest adjacent grade (HAG) and the lowest a		es to show whether	the elevation is above or below			
 a) Top of bottom floor (including basement, crawlspace, or enclosure) is 		feet meter	s above or below the HAG.			
 b) Top of bottom floor (including basement, crawlspace, or enclosure) is 		feet meter	s 🔲 above or 🗌 below the LAG.			
E2. For Building Diagrams 6–9 with permanent flood o	penings provided in Sectio	n A Items 8 and/or	9 (see pages 1-2 of Instructions),			
the next higher floor (elevation C2.b in the diagrams) of the building is		feet meter	s 🔲 above or 🔲 below the HAG.			
E3. Attached garage (top of slab) is		feet meter	s above or below the HAG.			
E4. Top of platform of machinery and/or equipment servicing the building is		feet meter	s above or below the HAG.			
E5. Zone AO only: If no flood depth number is availabl floodplain management ordinance? Yes	e, is the top of the bottom f No Unknown. The	loor elevated in acc local official must o	cordance with the community's certify this information in Section G.			
SECTION F – PROPERTY OWI	NER (OR OWNER'S REPR	RESENTATIVE) CE	RTIFICATION			
The property owner or owner's authorized representation community-issued BFE) or Zone AO must sign here. The property owner is a supplied to the property of the property owner.	ve who completes Sections	A, B, and E for Zo A, B, and E are cor	ne A (without a FEMA-issued or rect to the best of my knowledge.			
Property Owner or Owner's Authorized Representative						
Address	City	Sta	ate ZIP Code			
Address	Oity	0.0	211 3333			
Signature	Date	Te	lephone			
Comments						
			Check here if attachments.			

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corre			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, St	iite, and/or Bldg. No.) (or P.O. Route and Box No.	Policy Number:
2414 Coral Ct			
City	State	ZIP Code	Company NAIC Number
Indian Rocks Beach	FL	33785	
SECTIO	N G - COMMUNITY I	NFORMATION (OPTIONAL	L)
The local official who is authorized by law or ore Sections A, B, C (or E), and G of this Elevation used in Items G8–G10. In Puerto Rico only, ent	Certificate, Complete	the community's floodplain the applicable item(s) and s	management ordinance can complete ign below. Check the measurement
G1. The information in Section C was take engineer, or architect who is authorized data in the Comments area below.)	en from other documer ed by law to certify ele	ntation that has been signed vation information. (Indicate	d and sealed by a licensed surveyor, the source and date of the elevation
G2. A community official completed Section or Zone AO.	on E for a building loca	ated in Zone A (without a FE	EMA-issued or community-issued BFE)
G3. The following information (Items G4–	G10) is provided for co	ommunity floodplain manag	ement purposes.
G4. Permit Number	G5. Date Permit Issu	ged G6	Date Certificate of Compliance/Occupancy Issued
G7. This permit has been issued for:	New Construction	Substantial Improvement	
G8. Elevation of as-built lowest floor (including of the building:	p basement)	f	eet meters Datum
G9. BFE or (in Zone AO) depth of flooding at t	he building site:	f	eet meters Datum
G10. Community's design flood elevation:		f	eet meters Datum
Local Official's Name		Title	
Community Name		Telephone	
Signature		Date	
Comments (including type of equipment and loc	cation, per C2(e), if app	olicable)	
			Check here if attachments.

ELEVATION CERTIFICATE

See Instructions for Item A6.

OMB No. 1660-0008

Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt.	Policy Number:		
2414 Coral Ct			
City	Company NAIC Number		
Indian Rocks Beach	FL	33785	

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.



Photo One Caption

Front View 12/08/2020



Photo Two Caption

Rear View 12/08/2020

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1660-0008

Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy	FOR INSURANCE COMPANY USE				
Building Street Address (including Apt. 2414 Coral Ct	, Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Policy Number:		
City	City State ZIP Code				
Indian Rocks Beach	FL	33785			

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 One Caption

Garage Door Vent 12/08/2020

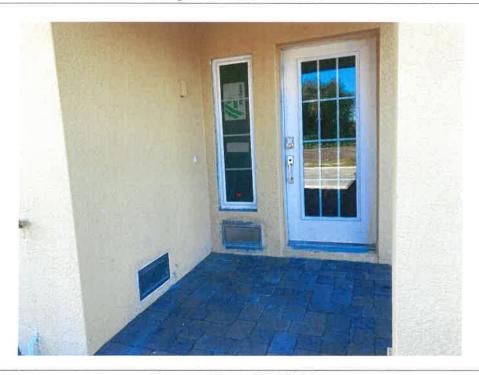


Photo Two Caption

Entryway Vents 12/08/2020

Continuation Page

OMB No. 1660-0008

Expiration Date: November 30, 2022

			Expiration bate notatibe of co, etc.		
IMPORTANT: In these spaces, copy to	FOR INSURANCE COMPANY USE				
Building Street Address (including Apt., 2414 Coral Ct	Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Policy Number:		
City	City State ZIP Code				
Indian Rocks Beach	FL	33785			

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 One Caption

ELEVATION CERTIFICATE

Garage Wall Vent 12/08/2020



Photo Two Caption

FEMA Form 086-0-33 (12/19)

Rear Vents 12/08/2020

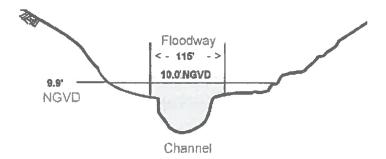


Figure 4-3: Representation of cross-section A of the Rocky River

The area of the floodway here is 1,233 square feet. This is the cross sectional area of the floodway below the elevation of the base flood at this location (the shaded area of Figure 4-3). It is used to determine water velocity. The average or mean velocity of the base flood in the floodway is 6.1 feet per second.

Of the last four columns under "Base Flood Water Surface Elevation," you should be concerned only with the first one, "Regulatory," which provides the regulatory flood elevation. This is equivalent to the 100-year flood elevation or BFE. The other columns depict the increase in water-surface elevation if the floodplain is encroached upon so that the water-surface elevation is increased no more than 1 foot. This amount of encroachment is used to define the floodway width. Notice that at no cross section is the increase more than 1.0 foot, in accordance with NFIP standards.

COASTAL AND LAKE ELEVATIONS

Coastal flood elevations. Table 4, *Transect Descriptions*, on page 12 in the FIS report for Flood County, shows the stillwater elevations and the maximum wave crest elevations of 100-year flood events along the coast.

Coastal regulatory flood elevations include the increase due to wave height. Therefore, use the BFE from the FIRM, not the stillwater elevations in the table.

The base flood elevations on the FIRM are rounded to the nearest foot, which means that if a base flood elevation was actually 8.3 feet, it would show as 8 feet on the FIRM. To correct for this, the recommended rule of thumb is to add 0.4 foot to the rounded BFE on the FIRM. This makes sure that the regulatory elevation you use will be high enough.

For the coast, use the base flood elevation from the FIRM (plus 0.4 foot), not the table.

Lake flood elevations. On inland lakes and reservoirs, the FIS generally does not include the effects of waves. For these areas, information on base flood elevations is contained in Section 3.0 of the FIS report, and data is presented in a table titled Summary of Stillwater Elevations. Note that in this table the BFE is shown to the nearest one-tenth





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



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ICC-ES Evaluation Report

ESR-2074

Reissued February 2017

This report is subject to renewal February 2019.

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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® (IBC)
- 2015, 2012, 2009 and 2006 International Residential Code[®] (IRC)
- 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.

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® 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

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	$15^3/_4$ " $\times 7^3/_4$ "	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 = m²

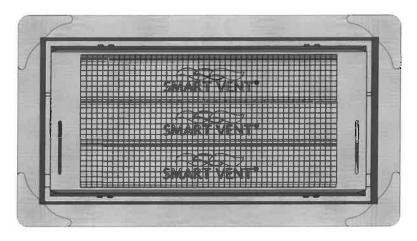


FIGURE 1-SMART VENT: MODEL 1540-510

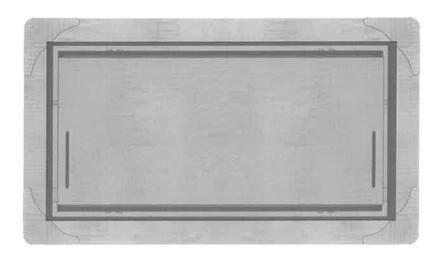


FIGURE 2—SMART VENT MODEL 1540-520



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



ICC-ES Evaluation Report

ESR-2074 CBC and CRC Supplement

Issued January 2017

This report is subject to renewal February 2019.

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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 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 2017.





ICC-ES Evaluation Report

ESR-2074 FBC Supplement

Reissued February 2017

This report is subject to renewal February 2019.

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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 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:

- 2014 Florida Building Code—Building (FBC)
- 2014 Florida Building Code—Residential (FRC)

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 FBC and the FRC, provided the design and installation are in accordance with the *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 FBC and the FRC.

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 2017.



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

10/21/20

Expiration Date: November 30, 2022

ELEVATION CERTIFICATE Important: Follow the instructions on pages 1–9.

A1 Duiles o	SECT	ION A - PROPE	RTY INF	ORMATION	7 () **********************************	T = = :	npany, and (3) building ow
The Ballating Owner's Name					FOR IN	SURANCE COMPANY (
Taylor Morrison of Florida Inc A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and					Policy	Number:	
Box No.	aaress (incl	uding Apt., Unit, S	Suite, an	id/or Bldg. No.) o	r P.O. Route and		
2414 Coral Ct						Compar	ny NAIC Number:
City				04.1			
Indian Rocks B	each			State FL		ZIP Cod	е
A3. Property Descrip Lot 4 Walk at Inc		Deach 1 D 144	(Pgs 23	rcel Number, Leg	P20 02720	33785	
A4. Building Use (e.g	, Residentia	II, Non-Residentia	al Additi	on Assess	D20-03/33		
A5. Latitude/Longitude	e: lat i	NO795 410 4 0"	ai, Audill	on, Accessory, e	c.) Residential		
A5. Latitude/Longitude	h-t	N27 54 24.2"	Long	W82°50'47.	4 " Horizontal Datum	n: NAI	D 1927 X NAD 1983
A7 Puildin D	uulographs	of the building if t	the Certi	ificate is being us	4 " Horizontal Datumed to obtain flood insura	апсе	E
5 g	TOTTIDE!	18					
A8. For a building with	a crawispad	ce or enclosure(s):				
a) Square footage	of crawlspa	ace or enclosure(s	s)	704 sq	ft.		
b) Number of pern	nament flood	Openings in the	Crowles -	704sq	I		
c) Total net area o	f flood open	ings in AB I	ciawispa	ace or enclosure(s) within 1.0 foot above	adjacent (grade N/A
d) Engineered floo			N/A	sq in			
4/ Cildingeled floo	d Openings?						
			No				
			No				
A9. For a building with	an attached	garage:					
A9. For a building with a	an attached of attached	garage: M/A	A	sq ft			
A9. For a building with a a) Square footage b) Number of perm	an attached of attached anent flood	garage: garageN/, openings in the a	A	sq ft garage within 1.0	foot above adjacent or	ade	A.V.
A9. For a building with a a) Square footage b) Number of perm	an attached of attached anent flood	garage: garage N/, openings in the a	A ttached	garage within 1.0	foot above adjacent gr	ade	N/A
A9. For a building with a a) Square footage b) Number of perm c) Total net area of	an attached of attached anent flood flood openir	garage: garageN/. openings in the a	A ttached N/A	sq ft garage within 1.0 _ sq in	foot above adjacent gr	ade	N/A
A9. For a building with a a) Square footage b) Number of perm	an attached of attached anent flood flood openir	garage: garageN/, openings in the a	A ttached N/A	garage within 1.0	foot above adjacent gr	ade	N/A
A9. For a building with a a) Square footage b) Number of perm c) Total net area of	an attached of attached anent flood flood openin l openings?	garage: garageN/, openings in the a ngs in A9.b Yes I	A ttached N/A No	garage within 1.0			N/A
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood	an attached of attached anent flood openings?	garage: garageN/, openings in the a ngs in A9.bYesI	A ttached N/A No	garage within 1.0 sq in	P (FIRM) INFORMATI		N/A
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na	an attached of attached anent flood openings? SECTION S	garage: garageN/, openings in the a ngs in A9.b Yes I ON B - FLOOD I nunity Number	A ttached N/A No	garage within 1.0 sq in NCE RATE MA B2. County Nan	P (FIRM) INFORMATI		
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na City of Indian Rock	an attached of attached anent flood openings? SECTION	garage: garage N/, openings in the a ngs in A9.b Yes X I DN B – FLOOD I nunity Number 125117C	A ttached N/A No	garage within 1.0 sq in	P (FIRM) INFORMATI		B3. State
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na City of Indian Rock	an attached of attached anent flood openings? SECTION	garage: garage N/, openings in the a ngs in A9.b Yes X I ON B – FLOOD I nunity Number 125117C FIRM Index	A ttached N/A No	garage within 1.0 sq in NCE RATE MA B2. County Nan Pinellas County RM Panel	P (FIRM) INFORMATION	ION	B3. State FL
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na City of Indian Rock 4. Map/Panel Number B5.	an attached of attached anent flood openings? SECTION	garage: garage N/, openings in the a ngs in A9.b Yes X I DN B – FLOOD I nunity Number 125117C	A ttached N/A No	garage within 1.0 sq in NCE RATE MA B2. County Nan Pinellas County Nan Pinellas County Nan RM Panel	P (FIRM) INFORMATI	B9. Bas	B3. State FL se Flood Elevation(s)
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na City of Indian Rock 4. Map/Panel Number B5.	an attached of attached anent flood openings? SECTION	garage: garage N/, openings in the a ngs in A9.b Yes X I ON B – FLOOD I nunity Number 125117C FIRM Index	A ttached N/A No NSURA	garage within 1.0 sq in NCE RATE MA B2. County Nan Pinellas Cou	P (FIRM) INFORMATION ne ounty B8. Flood Zone(s)	B9. Bas	B3. State FL
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na City of Indian Rock 4. Map/Panel Number 12103C0111	an attached of attached anent flood flood openin openings? SECTION Me & Common Seach Suffix B6	garage: garage N/, openings in the a ngs in A9.b Yes X I ON B – FLOOD I nunity Number 125117C FIRM Index Date 08/18/2009	A ttached N/A No	garage within 1.0 sq in NCE RATE MA B2. County Nan Pinellas Count	P (FIRM) INFORMATION ne ounty B8. Flood Zone(s) AE	B9. Bas (Zor Floo	B3. State FL se Flood Elevation(s)
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na City of Indian Rock 4. Map/Panel Number 12103C0111 B10. Indicate the source	an attached of attached anent flood openings? SECTION	garage: garage	A ttached N/A No B7. FI Ef Re	garage within 1.0 sq in NCE RATE MA B2. County Nan Pinellas Count	P (FIRM) INFORMATION ne ounty B8. Flood Zone(s) AE	B9. Bas (Zor Floo	B3. State FL se Flood Elevation(s) ne AO, use Base od Depth)
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na City of Indian Rock 4. Map/Panel Number B5.	an attached of attached anent flood openings? SECTION	garage: garage	A ttached N/A No B7. FI Ef Re	garage within 1.0 sq in NCE RATE MA B2. County Nan Pinellas Count	P (FIRM) INFORMATION ne ounty B8. Flood Zone(s) AE	B9. Bas (Zor Floo	B3. State FL se Flood Elevation(s) ne AO, use Base od Depth)
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na City of Indian Rock 4. Map/Panel Number 12103C0111 310. Indicate the source FIS Profile F	an attached of attached anent flood openings? SECTION	garage: garage	A ttached N/A No B7. FI Ef Re (garage within 1.0 sq in NCE RATE MA B2. County Nan Pinellas Count	P (FIRM) INFORMATION B8. Flood Zone(s) AE depth entered in Item B8 SEE COMMENTS	B9. Bas (Zor Floo	B3. State FL se Flood Elevation(s) ne AO, use Base od Depth)
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na City of Indian Rock 4. Map/Panel Number B5. 12103C0111	an attached of attached anent flood openings? SECTION S	garage: garage N/, openings in the a ngs in A9.b Yes X I ON B – FLOOD I nunity Number 125117C FIRM Index Date 08/18/2009 Flood Elevation (ommunity Determ	A ttached N/A No B7. FI Re (garage within 1.0 sq in NCE RATE MA B2. County Nan Pinellas Count	P (FIRM) INFORMATION Description B8. Flood Zone(s) AE Description AC Description AC	B9. Bas (Zor Floo	B3. State FL se Flood Elevation(s) ne AO, use Base od Depth) 11.4'
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na City of Indian Rock 4. Map/Panel Number B5. 12103C0111	an attached of attached anent flood openings? SECTION S	garage: garage N/, openings in the a ngs in A9.b Yes X I ON B – FLOOD I nunity Number 125117C FIRM Index Date 08/18/2009 Flood Elevation (ommunity Determ	A ttached N/A No B7. FI Re (garage within 1.0 sq in NCE RATE MA B2. County Nan Pinellas Count	P (FIRM) INFORMATION Description B8. Flood Zone(s) AE Description AC Description AC	B9. Bas (Zor Floo	B3. State FL se Flood Elevation(s) ne AO, use Base od Depth) 11.4'
A9. For a building with a a) Square footage b) Number of perm c) Total net area of d) Engineered flood B1. NFIP Community Na City of Indian Rock 4. Map/Panel Number 12103C0111 310. Indicate the source FIS Profile F	an attached of attached anent flood openings? SECTION S	garage: garage	A ttached N/A No INSURA B7. FI Re () BFE) da hined [x]	garage within 1.0 sq in NCE RATE MA B2. County Nan Pinellas Count	P (FIRM) INFORMATION Description B8. Flood Zone(s) AE Description AC Description AC	B9. Bas (Zor Floo	B3. State FL se Flood Elevation(s) ne AO, use Base od Depth) 11.4'

OMB No. 1660-0008

IMPORTANT: In these spaces, copy the c	Expiration Date: November 30, FOR INSURANCE COMPANY		
Building Street Address (including Apt., Unit 2414 Coral Ct	Policy Number:		
City	State	ZIP Code	10
Indian Rocks Beach		33785	Company NAIC Number
SECTION C - B	UILDING ELEVATION INFORI	MATION (SUD)(S)	
C1. Building elevations are based on:	T 0: 4		
*A new Elevation Certificate will be rec	Wired when construction as II	Building Under Constr	
Complete Items C2.a–h below accordi Benchmark Utilized: Box in GI @ NE Com	A (with BFE), VE, V1–V30, V (with BFE), VE, V1–V30, V (with BFE), VE, Vertical Details (Westigal Details)	h BFE), AR, AR/A, AR ied in Item A7. In Puer	R/AE, AR/A1–A30, AR/AH, AR/AO to Rico only, enter meters.
Indicate elevation datum used for the e	levations in items a) through b) b	elow	
L 1907D 1929 [X] NAVI) 1988	Charle-		
Datum used for building elevations mus	st be the same as that used for th	e BFE.	
			Check the measurement use
a) Top of bottom floor (including basenb) Top of the next higher floor	rent, crawispace, or enclosure flo	oor) <u>5</u> . <u>6</u>	X feet meters
		<u>16</u> 2	X feet meters
c) Bottom of the lowest horizontal strucd) Attached garage (top of slab)	tural member (V Zones only)	N/A	
,		N/A	feet meters
Expression of both the contraction of the cont	uipment servicing the building	N/A	
f) Lowest adjacent (finished) grade nex	t to building (1.50)		teet meters
g) Highest adjacent (finished) grade neg	at to building (LAG)	4.6	X feet meters
h) Lowest adjacent grade at L	et to building (HAG)	5.1	X feet meters
 h) Lowest adjacent grade at lowest elev structural support 	ation of deck or stairs, including	N/A	
SECTION D. SI	IDVEVOR ENGLY		
his certification is to be signed and applicable	JRVEYOR, ENGINEER, OR AF	RCHITECT CERTIFIC	CATION
his certification is to be signed and sealed b certify that the information on this Certificate atement may be punishable by fine or impris			law to certify elevation information
ere latitude and longitude in Section A provi	ided by a licensed land suprever	ction 1001.	
ertifier's Name		✓ △Yes □No	Check here if attachments.
cott R. Fowler	License Number		Α
tle	LS5185		Merch
rofessional Surveyor and Mapper			120
ompany Name			l Wo
andmark Engineering & Surveying Corp			N N
uress			(/
15 Palm River Road			
y Impa	State	ZIP Code	. 1 1
	FL	33619	LS5185 /0/21/2521
Lett Nowlin	Date	Telephone	
	10-21.2020		
y all pages of this Elevation Certificate and all nments (including type of equipment and loc	attachments for (1) community of	ficial (2) insurance ago	ont/or many transfer
nments (including type of equipment and loc	ation, per C2(e), if applicable)	, (-) modifice age	and (3) building owne
		Surveyor and Manne	er or Electronic oguis-al-su
te of Field Work: 08/18/2020. Latitude a anaging Floodplain Development Throug	ind Longitude obtained with a	hand held GPS dev	/ice. Attachment: Page 4 6 of
anaging Floodplain Development Througos), which is the source of the Base Floo	gn the National Flood Insurance	ce Program" (Unit 4	Using NFIP Studies and
01 mo Base 1-100	od Lievation.		

OMB No. 1660-0008

IMPORTANT: In these spaces, copy the Building Street Address (including Apt	e corresponding information	on from Section A.	EOD INC.	ate: November 30, 2
2414 Coral Ct	Unit, Suite, and/or Bldg. No.)	or P.O. Route and Box N	o. Policy Num	RANCE COMPANY (ber:
City	State		1	
Indian Rocks Beach		ZIP Code	Company N	IAIC Number
	FL	33785		
OLOTION E - E	BUILDING ELEVATION INF FOR ZONE AO AND ZO	ORMATION (SURVEY	NOT REQUIRED)
For Zones AO and A (without BFE), comp				
For Zones AO and A (without BFE), complete Sections A, B, and C. For Items enter meters.	E1–E4, use natural grade, if	uncate is intended to supparate is intended to supparate is intended to supparate in measure.	port a LOMA or LC asurement used. Ir	MR-F request, Puerto Rico only,
E1. Provide elevation information for the the highest adjacent grade (HAG) ana) Top of bottom floor (including bas crawlspace, or enclosure) is	following and check the appr d the lowest adjacent grade ement,	opriate boxes to show wh (LAG).	nether the elevation	is above or below
Top of bottom floor (including bas crawlspace, or enclosure) is	ement,	feetn		or Delow the HA
· · · · · · · · · · · · · · · · · · ·		feet n	neters 🔲 above	or Delow the LAC
E2. For Building Diagrams 6–9 with perm the next higher floor (elevation C2.b in the diagrams) of the building is			d/or 9 (see pages	1–2 of Instructions),
E3. Attached garage (top of slab) is	ř.	feet m	eters 🗌 above	or below the HAG
E4. Top of platform of machinery and/or e servicing the building is	quipment	feet m		or below the HAG
and ballaling is		feet m	eters Tahove	or Delow the HAG
Zone AO only: If no flood depth number floodplain management ordinance?	er is available, is the top of th			. ∟ below the HAG
floodplain management ordinance?	Yes No Unkno	wn. The local official mu	i accordance with t ist certify this infor	he community's
SECTION F - PROF	PERTY OWNER (OR OWNE			mation in Section G.
operty Owner or Owner's Authorized Rep				
dress	C	ity	State	ZIP Code
gnature				Ell Code
	D	ate	Telephone	
mments			•	
			_	
A Form 086-0-33 (12/19)	Renlaces all provious		Check he	re if attachments.

ELEVATION CERTIFICATE OMB No. 1660-0008 IMPORTANT: In these spaces, copy the corresponding information from Section A. Expiration Date: November 30, 2022 Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. FOR INSURANCE COMPANY USE Policy Number: City State ZIP Code Indian Rocks Beach Company NAIC Number FL 33785 SECTION G - COMMUNITY INFORMATION (OPTIONAL) 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. 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 A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) The following information (Items G4-G10) is provided for community floodplain management purposes. G4. Permit Number G5. Date Permit Issued G6. Date Certificate of Compliance/Occupancy Issued G7. This permit has been issued for: New Construction Substantial Improvement Elevation of as-built lowest floor (including basement) of the building: feet meters Datum G9. BFE or (in Zone AO) depth of flooding at the building site: feet meters Datum G10. Community's design flood elevation: feet meters Datum Local Official's Name Title Community Name Telephone Signature Date Comments (including type of equipment and location, per C2(e), if applicable)

Check here if attachments.

ELEVATION CERTIFICATE

See Instructions for Item A6.

OMB No. 1660-0008

		Expiration Date: November 30, 2022
corresponding informat	ion from Section A.	FOR INSURANCE COMPANY USE
nit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Policy Number:
State	ZIP Code	Company NAIC Number
FL	33785	- Supariy 17 10 Number
	nit, Suite, and/or Bldg. No.	Zii Ooge

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.



Photo One Caption

Front View 08/18/2020



Photo Two Caption

Rear View 08/18/2020

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1660-0008

Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy	EOD INCUDANCE COMPANY US		
Building Street Address (including Apt. 2414 Coral Ct	, Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	FOR INSURANCE COMPANY USE Policy Number:
City Indian Rocks Beach	State FL	ZIP Code 33785	Company NAIC Number

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 One Caption

Right Side View 08/18/2020

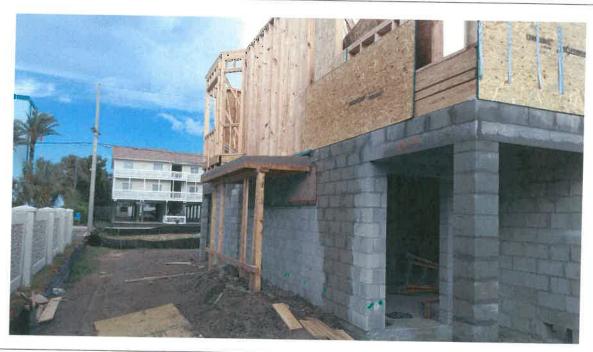


Photo Two Caption

Left Side View 08/18/2020

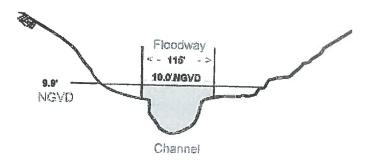


Figure 4-3: Representation of cross-section A of the Rocky River

The area of the floodway here is 1,233 square feet. This is the cross sectional area of the floodway below the elevation of the base flood at this location (the shaded area of Figure 4-3). It is used to determine water velocity. The average or mean velocity of the base flood in the floodway is 6.1 feet per second.

Of the last four columns under "Base Flood Water Surface Elevation," you should be concerned only with the first one, "Regulatory," which provides the regulatory flood elevation. This is equivalent to the 100-year flood elevation or BFE. The other columns depict the increase in water-surface elevation if the floodplain is encroached upon so that the water-surface elevation is increased no more than 1 foot. This amount of encroachment is used to define the floodway width. Notice that at no cross section is the increase more than 1.0 foot, in accordance with NFIP standards.

COASTAL AND LAKE ELEVATIONS

Coastal flood elevations. Table 4, Transect Descriptions, on page 12 in the FIS report for Flood County, shows the stillwater elevations and the maximum wave crest elevations of 100-year flood events along the coast.

Coastal regulatory flood elevations include the increase due to wave height. Therefore, use the BFE from the FIRM, not the stillwater elevations in the table.

The base flood elevations on the FIRM are rounded to the nearest foot, which means that if a base flood elevation was actually 8.3 feet, it would show as 8 feet on the FIRM. To correct for this, the recommended rule of thumb is to add 0.4 foot to the rounded BFE on the FIRM. This makes sure that the regulatory elevation you use will be high enough.

For the coast, use the base flood elevation from the FIRM (plus 0.4 foot), not the table.

Lake flood elevations. On inland lakes and reservoirs, the FIS generally does not include the effects of waves. For these areas, information on base flood elevations is contained in Section 3.0 of the FIS report, and data is presented in a table titled Summary of Stillwater Elevations. Note that in this table the BFE is shown to the nearest one-tenth

