U.S. DEPARTMENT OF HOMELAND SECURITY FEDERAL EMERGENCY MANAGEMENT AGENCY

National Flood Insurance Program

10

N. .

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008 Expiration Date: July 31, 2015

The

6540 BMD		SECTION	A - PROPE		ATION	FOR INSU	URANCE COMPANY USE
A1. Building Owner's Nam	e Blackwolff Hon	nes LLC				Policy Nu	mber:
Building Street Addres	s (including Apt., RIVE	Unit, Suite, and/or Bldg	. No.) or P.O. R	oute and Box N	0.	Company	NAIC Number:
City LONGBOAT KEY			State FL	ZIP Code 3	4228		
A3. Property Description (I Lot 2 OF L. J. HARRIS' UN	ot and Block Nur RECORDED PL4	nbers, Tax Parcel Num T OF A RE-SUBDIVISI	ber, Legal Desc ON, LOTS 2B A	ription, etc.) AND 3B OF SLE	EPY LAGOON AD	DITION	
 A4. Building Use (e.g., Ref. A5. Latitude/Longitude: La A6. Attach at least 2 photo A7. Building Diagram Num A8. For a building with a ca a) Square footage of b) Number of perman or enclosure(s) with c) Total net area of flood of 	sidential, Non-Rest. 27'25'44.05141 graphs of the buil ber <u>1B</u> awlspace or encl crawlspace or encl crawlspace or encl ent flood opening in 1.0 foot above bod openings in A penings?	sidential, Addition, Acce Long. <u>82'40'41.5779</u> Iding if the Certificate is osure(s): closure(s) <u>N/A</u> s in the crawlspace adjacent grade .8.b Yes No	essory, etc.) <u>RES</u> <u>3"</u> being used to a sq ft sq in	SIDENTIAL btain flood insur A9. For a b a) Sq b) Nu wit c) To d) En	Horizontal Datum rance. building with an atta uare footage of atta umber of permanent thin 1.0 foot above a tal net area of flood ogineered flood ope	ched garag ached garag flood oper adjacent gr openings nings?	9 1927 \boxtimes NAD 1983 ge: ge <u>708</u> sq ft nings in the attached garage ade <u>4</u> in A9.b <u>800</u> sq in \boxtimes Yes \square No
the strength	SECT	ION B - FLOOD INS	SURANCE RA	TE MAP (FIR	M) INFORMATIO	N .	
B1. NFIP Community Name LONGBOAT KEY, TOWN	e & Community N DF 125126	umber B2 MA	. County Name			B3. State FL	
B4. Map/Panel Number 12081C0291/0291	B5. Suffix E	B6. FIRM Index Date MARCH 17, 2014	B7. FI Effective/ MARC	RM Panel Revised Date H 17,2014	B8. Flood Zone(s) AE	B9. Ba	ase Flood Elevation(s) (Zone O, use base flood depth) 9.0
B11. Indicate elevation datu B12. Is the building located Designation Date:	in a Coastal Barr	ier Resources System (929 X CBRS) area or CBRS	Otherwise Prote	Conter/Source:	[Yes No
	SECTIO	N C – BUILDING ELI	EVATION INF	ORMATION (SURVEY REQUI	RED)	
 Building elevations are *A new Elevation Certifi Elevations – Zones A1- below according to the Benchmark Utilized: <u>NC</u> Indicate elevation datur Datum used for building 	based on: cate will be requi A30, AE, AH, A (building diagram <u>S V 689</u> n used for the ele elevations must	Construction Drawin red when construction of with BFE), VE, V1–V30 specified in Item A7. In vations in items a) through be the same as that use	ngs [°] L f the building is , V (with BFE), , Puerto Rico onl Vertical Datum: ugh h) below. D ed for the BFE.	Guilding Under complete. AR, AR/A, AR/A y, enter meters. <u>NAVD 1988</u> NGVD 1929	er Construction [™] NE, AR/A1–A30, AR ⊠ NAVD 1988 □ (AH, AR/A	on Complete Items C2.a-h
a) Tan of bottom floor (neluding become	nt aroulanago, or angle	sure floor)	11 4	5 Chec	k the meas	
 a) Top of bottom floor (i b) Top of the next high 	r floor	nt, crawispace, or encio	isure noor)	N/A	<u>.</u>	feet	meters
c) Bottom of the lowest	horizontal structu	ral member (V Zones o	nly)	N/A	·	 □ feet	meters
d) Attached garage (top	of slab)			<u>5.3</u>		🛛 feet	meters
 e) Lowest elevation of r (Describe type of equ 	nachinery or equi ipment and locat	pment servicing the bui ion in Comments)	lding	<u>10.9</u>	9	⊠ feet	meters
f) Lowest adjacent (fini) Link and adjacent (fini	shed) grade next	to building (LAG)		<u>4.7</u>		⊠ feet	☐ meters
 g) Hignest adjacent (fin h) Lowest adjacent grad 	le at lowest eleva	tion of deck or stairs, in	cluding structur	al support <u>5.3</u>		⊠ feet	
	SECTIO	N D - SURVEYOR,	ENGINEER, O	OR ARCHITE	CT CERTIFICATI	ON	Second Second
This certification is to be sinformation. I certify that the I understand that any false Check here if comment Check here if attachmed Certifier's Name MARTINS	gned and sealed e information on t statement may b its are provided o ents.	by a land surveyor, eng his Certificate represen e punishable by fine or on back of form. W lic Company Name MS	ineer, or archite ts my best effor imprisonment u ere latitude and ensed land surv Li B, SURVEYING	ct authorized by ts to interpret the nder 18 U.S. Co longitude in Ser reyor? 2 1 cense Number i INC.	y law to certify eleva e data available. ode, Section 1001. ction A provided by res □ No LS 5538	a	HERE HERE
Address 690 LENA LANE	٨٨	City SARASOTA	S	tate FL ZIP	Code 34240		DECISION N
Signature Matts	the	Date 11/30/2015	Te	elephone	SEP 0 6 2018		MUMMMININ'

FEMA Form 086-0-33 (7/12)

TOWN OF LONGBOAT KEY See reverse side for continuation. Zoning and Buildin Replaces all previous editions.

MPORIANI: In these spaces, c	copy the corresponding information from	n Section A.	FOR INSURANCE COMPA	NY USE
uilding Street Address (including Apt 540 GULF OF MEXICO DRIVE	t., Unit, Suite, and/or Bldg. No.) or P.O. Route an	d Box No.	Policy Number:	
Ity LONGBOAT KEY	State FL	ZIP Code 34228	Company NAIC Number:	27 G
SECTION	D - SURVEYOR, ENGINEER, OR ARCH	ITECT CERTIFICATION (C	ONTINUED)	
opy both sides of this Elevation Certi	ificate for (1) community official, (2) insurance aç	gent/company, and (3) building	owner.	1
Comments (1) NGS BENCHMARK V CONDITIONER ELEVATION 10.9'. (3 100 SQ IN EACH) EQUALLLING A T	/ 689 PUBLISHED ELEVATION 3.10' (NAVD 88) 4 ENGINEERED FLOOD VENTS MODEL NUM OTAL OF 800 SQ IN., LOCATED IN BLOCK W/) (2) LOWEST EQUIPMENT SE MBER 1540-520 AND MODEL ALL AND GARAGE DOORS.	ERVICING THE BUILDING A NUMBER 1540-524 (2 EACH	NR I TYPICA
Signature	Date	11/30/2015		
SECTION E - BUILDING ELE	VATION INFORMATION (SURVEY NOT I	REQUIRED) FOR ZONE AG	O AND ZONE A (WITHOU	JT BFE)
For Zones AO and A (without BFE), c and C. For Items E1–E4, use natural E1. Provide elevation information fo grade (HAG) and the lowest adj	complete Items E1–E5. If the Certificate is intendigrade, if available. Check the measurement use or the following and check the appropriate boxes jacent grade (LAG).	ed to support a LOMA or LOMF d. In Puerto Rico only, enter me to show whether the elevation i	R-F request, complete Sectio eters. is above or below the highest	ns A, B, t adjacent
 b) Top of bottom hoor (including b) Top of bottom floor (including E2. For Building Diagrams 6–9 with (elevation C2.b in the diagrams) E3. Attached garage (top of slab) is E4. Top of platform of machinery an E5. Zone AO only: If no flood depth ordinance? Yes No [basement, crawispace, or enclosure) is basement, crawispace, or enclosure) is permanent flood openings provided in Section A) of the building is [feet] n feet] meters] abo nd/or equipment servicing the building is number is available, is the top of the bottom floo Unknown. The local official must certify this in	Iteration in Section G. Interest Interest	above or ☐ below the L ☐ above or ☐ below the L ☐ of Instructions), the next I the HAG. above or ☐ below the HAG. the community's floodplain m	AG. higher floo nanagemo
SECTION	N F - PROPERTY OWNER (OR OWNER'S	REPRESENTATIVE) CER	TIFICATION	
Property Owner's or Owner's Authoriz	zed Representative's Name	State	ZIP Code	
Vieneture	Date	Tolor	hone	
comments			Check here	if attachn
			an asserbate Costians A. B. C	
 local official who is authorized by lat this Elevation Certificate. Complete th The information in Section C is authorized by law to certify A community official complete The following information (Ite 	w or ordinance to administer the community's floo he applicable item(s) and sign below. Check the m was taken from other documentation that has be relevation information. (Indicate the source and ed Section E for a building located in Zone A (with the SG4–G10) is provided for community floodola	dplain management ordinance of easurement used in Items G8–C ean signed and sealed by a lice date of the elevation data in th thout a FEMA-issued or commu- in management purposes.	an complete Sections A, B, C G10. In Puerto Rico only, ente ensed surveyor, engineer, or a e Comments area below.) unity-issued BFE) or Zone AC	; (or E), a r meters. architect D.
 he local official who is authorized by lattice the selevation Certificate. Complete th 1. The information in Section C is authorized by law to certify 2. A community official complete 3. The following information (Ite 34. Permit Number 	w or ordinance to administer the community's floo he applicable item(s) and sign below. Check the m was taken from other documentation that has be v elevation information. (Indicate the source and ed Section E for a building located in Zone A (wi ems G4–G10) is provided for community floodpla G5. Date Permit Issued	dplain management ordinance of easurement used in Items G8–C een signed and sealed by a lice date of the elevation data in th thout a FEMA-issued or commu- in management purposes. G6. Date Certificate Of Co	an complete Sections A, B, C S10. In Puerto Rico only, ente ensed surveyor, engineer, or e Comments area below.) unity-issued BFE) or Zone AC ompliance/Occupancy Issued	; (or E), a r meters. architect
he local official who is authorized by lat this Elevation Certificate. Complete th 1 The information in Section C is authorized by law to certify 2 A community official complet 3 The following information (Ite G4. Permit Number 7. This permit has been issued for: 8. Elevation of as-built lowest floor (i 9. BFE or (in Zone AO) depth of floo 10. Community's closign flood elevation	w or ordinance to administer the community's floo ne applicable item(s) and sign below. Check the m was taken from other documentation that has be y elevation information. (Indicate the source and ted Section E for a building located in Zone A (wi ems G4–G10) is provided for community floodpla G5. Date Permit Issued New Construction Substantial In including basement) of the building:	dplain management ordinance of easurement used in Items G8–C een signed and sealed by a lice date of the elevation data in th thout a FEMA-issued or communin management purposes. G6. Date Certificate Of Comprovement	Datum Datum	; (or E), a r meters. architect D.
 le local official who is authorized by lat this Elevation Certificate. Complete th The information in Section C is authorized by law to certify A community official complet The following information (Ite Permit Number This permit has been issued for: Elevation of as-built lowest floor (if) BFE or (in Zone AO) depth of floot Community's classing flood elevation Local Official's Name. 	w or ordinance to administer the community's floo he applicable item(s) and sign below. Check the m was taken from other documentation that has be y elevation information. (Indicate the source and ied Section E for a building located in Zone A (wi ems G4–G10) is provided for community floodpla G5. Date Permit Issued New Construction Substantial In including basement) of the building:	dplain management ordinance of easurement used in Items G8–C een signed and sealed by a lice date of the elevation data in the thout a FEMA-issued or communin management purposes. G6. Date Certificate Of Comprovement	an complete Sections A, B, C G10. In Puerto Rico only, ente insed surveyor, engineer, or a e Comments area below.) unity-issued BFE) or Zone AC ompliance/Occupancy Issued Datum Datum Datum	; (or E), and r meters. architect
he local official who is authorized by lat this Elevation Certificate. Complete th 1 The information in Section C is authorized by law to certify 2 A community official complet 3 The following information (Ite G4. Permit Number 7. This permit has been issued for: 8. Elevation of as-built lowest floor (i 9. BFE or (in Zone AO) depth of floo 10. Community's classign flood elevation local Official's Name.	w or ordinance to administer the community's floo ne applicable item(s) and sign below. Check the m was taken from other documentation that has be y elevation information. (Indicate the source and led Section E for a building located in Zone A (wi ems G4–G10) is provided for community floodpla G5. Date Permit Issued New Construction Substantial In including basement) of the building:	dplain management ordinance of easurement used in Items G8–C easurement used in Items G8–C east of the elevation data in the elevation data in the thout a FEMA-issued or communin management purposes. G6. Date Certificate Of Comprovement	an complete Sections A, B, C S10. In Puerto Rico only, ente ensed surveyor, engineer, or a e Comments area below.) unity-issued BFE) or Zone AC ompliance/Occupancy Issued Datum Datum Datum	; (or E), a r meters. architect D.
he local official who is authorized by lat this Elevation Certificate. Complete th 1 The information in Section C is authorized by law to certify 2 A community official complet 3 The following information (Ite G4. Permit Number 7. This permit has been issued for: 8. Elevation of as-built lowest floor (if 9. BFE or (in Zone AO) depth of floo 10. Community's design flood elevation Local Official's Name Signature	w or ordinance to administer the community's floo ne applicable item(s) and sign below. Check the m was taken from other documentation that has be y elevation information. (Indicate the source and ted Section E for a building located in Zone A (wi ems G4–G10) is provided for community floodpla G5. Date Permit Issued New Construction Substantial I including basement) of the building:	dplain management ordinance of easurement used in Items G8–C easurement used in Items G8–C east of the elevation data in the elevation data in the thout a FEMA-issued or communin management purposes. G6. Date Certificate Of Comprovement	an complete Sections A, B, C S10. In Puerto Rico only, ente insed surveyor, engineer, or i e Comments area below.) unity-issued BFE) or Zone AC ompliance/Occupancy Issued Datum Datum Datum	; (or E), a r meters. architect D.

Building Photographs See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding inf	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) of OGULF OF MEXICO DRIVE	or P.O. Route a	nd Box No.	Policy Number:
ONY LONGBOAT KEY	State FL	ZIP Code 34228	Company NAIC Number:

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.



FRONT VIEW 11/30/2015

RIGHT SIDE VIEW 11/30/2015



REAR VIEW 11/30/2015

LEFT SIDE VIEW 11/30/2015

TOWN OF LONGBOAT KEY Planning, Zoning and Building

SEP 0 6 2018

Building Photographs Continuation Page

IMPORTANT: In these spaces, copy the corresponding	FOR INSURANCE COMPANY USE			
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No 6540 GULF OF MEXICO DRIVE	o.) or P.O. Route a	and Box No.	Policy Number:	
City LONGBOAT KEY	State FL	ZIP Code 34228	Company NAIC Number:	-4

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.



LOWEST EQUIPMENT ELEVATED AIR CONDITIONER

TYPICAL SMART VENT MODEL 1540-524 IN GARAGE DOOR 11/30/2015

11/30/2015

Replaces all previous editions.

Insulated FLOOD VENT - Model: 1540-520





ES

High Efficiency Insulated Flood Vent Superior Automatic Flood Protection

ICC-ES Evaluated and FEMA Accepted Foundation Flood Vents

- Potential savings on homeowner's NFIP premiums
- Preserves aesthetic beauty of a home by requiring 2/3 less vents
- Each vent certified to protect 200 sq. ft. of your home
- Code Compliant, FEMA accepted, ICC-ES Evaluated
- All Stainless Steel construction meets or exceeds flood and corrosion resistance code requirements
- Patented automatic floats release bi-directional flood door
- Great for conditioned or sealed crawl spaces

One 16" x 8" vent is certified to cover 200 square feet of enclosed area for flood protection

The insulated flood vent model is certified to provide insulated flood protection only. This model is used for a garage or conditioned space, where flood protection is required but ventilation is NOT desired. The flood door is constructed of solid stainless steel wrapped around an insulating foam core.

SMART VENT

www.smartvent.com • 877-441-8368

SEP 0 6 2018

TOWN OF LONGBOAT KEY

ing, Zoning and Building

Insulated FLOOD VENT - Model: 1540-520

Model #: 1540-520 Installation Type: Masonry Wall Style: Insulated Dimensions: 16" x 8" Rough Opening: 16¼" x 8¼" (one block, or CMU) Finish: Stainless Steel (Standard)

Available Powder Coat Colors For Special Order:



Optional Accessories:

Fire Damper, Interior Trim Flange & Inner Sleeve, Rain Shield

Other Models Available: SMART VENT® Dual Function Ventilating Flood Vent, Overhead Garage Door Model, Stacked and Quad Configurations, Models for Wood Studded Wall Applications and Pour in Place Buck Systems.

There's more online at www.smartvent.com

Dealer Locator, Installer Locator, Cad Drawings, Installation Instructions, Technical Specifications, Frequently Asked Questions, Videos, Testimonials, Resource Library Database, Insurance Forms.



Rapidly rising floodwater can put extreme pressure on the foundation walls causing improperly vented structures to buckle and collapse. SMART VENTS® quickly and efficiently equalize the pressure and minimize damage.

How it works:

Flood Protection: The FLOOD VENT door is latched closed until floodwater enters. Entering floodwater lifts the patented internal floats which unlatches and rotates the door open. This allows the flood water to automatically enter and exit through the frame opening, relieving the pressure from your foundation.



Use Fewer Vents

Preserve the aesthetic beauty of a home by requiring 2/3 fewer vents. Each SMART VENT® protects 200 sq/ft of enclosed area vs. 60 sq/ft for non-compliant vents.



How does one of your vents provide so much coverage?

You may have heard that FEMA requires that flood openings provide one square inch of opening per one square foot of enclosed area, referring to dimensions of the opening in proportion to the space to be vented. This is only partially correct. FEMA's regulations and guidelines do state that a non-engineered flood vent solution must (among other requirements) provide one square inch of opening per square foot of enclosed area to be vented. However; all SMART VENT® products are ICC-ES certified engineered openings. They have been designed, engineered, tested, rated, and certified to provide flood relief so efficiently that only one unit is needed for 200 square feet of enclosed area. It would be our pleasure to contact your code official, surveyor, or insurance agent if they require more information.

SMART VENT[®] Overhead Door - Model: 1540-514 Insulated Flood Vent - Model: 1540-524, 1540-574

ALLER ALL ICC **Overhead/Garage Door Flood Vent**

Dual Function SMART VENT® and Insulated FLOOD VENT

ICC-ES Evaluated and FEMA Accepted Foundation Flood Vents

- Potential savings on homeowner's NFIP premiums
- Preserves aesthetic beauty of a home by requiring 2/3 less vents
- Each vent certified to protect 200 sq. ft. of your home
- Code Compliant, FEMA accepted, **ICC-ES Evaluated**
- All Stainless Steel construction meets or exceeds flood and corrosion resistance code requirements
- Patented automatic floats release bi-directional flood door
- Temperature controlled louvers on dual function models automatically open in warm weather and close in cold weather

One 16" x 8" vent is certified to cover 200 square feet of enclosed area for flood protection

The Overhead Door Model can be installed into a standard garage door, providing 200 square feet of flood protection per vent. A typical garage (less than 600 sq/ft) requires only three vents in total to become compliant with the NFIP requirements and building codes. Two sizes are available depending on the RECEIVED size of the panel.







1540-524, 1540-574 Insulated Flood Vent

Ins	Over	head Gara	ge Doors				
1.	Style:				sulated		
	2 5	Sizes /	Available:				
	on:	16" x 8" (1540-514, 1540-524)					
R	Rough Opening:			16" x 8" (cut through door)			
	Dimension:			″ x 8 ½″ (1	540-574)		
R	Rough Opening:			″ x 8 ¾″			
	ish:	Pow	der Coateo	d Painted Wh	nite		
Available	Powder Coa	at Co	lors F	or Special	Order:		
Wheat	Gray	В	lack	Stainless		White	
Other Mod	Other Models Available: SMART VENT® Dual Function Ventilat- ing Elood Vent Insulated ELOOD VENT Overhead Garage Door						

There's more online at www.smartvent.com

Dealer Locator, Installer Locator, Cad Drawings, Installation Instructions, Technical Specifications, Frequently Asked Questions, Video, Testimonials, Resource Library Database, Insurance Forms.

Model, Stacked and Quad Configurations, Models for Wood Studded Wall Applications and Pour in Place Buck Systems.



Overhead garage doors require flood protection too. Hydrostatic pressure caused by rapidly rising flood waters can easily destroy the average garage door.

SMART VENT[®] Overhead Door - Model: 1540-514 Insulated FLOOD VENT - Model: 1540-524, 1540-574

Choose the correct model:

Along with the options for size, we also offer two model choices. The first is a dual function model that will give you automatic flood protection along with automatic ventilation. This model only comes in 16" x 8" size. The second is our Insulated model that seals out the cool or warm air, but opens as flood water rises. This model comes in both sizes.

Retrofitting

Easy installation (all hardware is included) makes this model ideal to retrofit into an existing garage door. A stainless steel frame cleanly installs into the door with only four (supplied) stainless steel screws and nuts.

How it works:

Flood Protection: The SMART VENT® door is latched closed until flood water enters. Entering flood water lifts the patented internal floats which unlatches and rotates the door open. This allows the flood water to automatically enter and exit through the frame opening, relieving the pressure from your foundation walls.

Ventilation: A bimetal coil (like a thermostat, no electricity is needed) automatically opens and closes the ventilation louvers as temperature changes. They will be closed when it is freezing outside and open when it is warm outside to provide natural ventilation.



<u>Engineer chartood of</u>	ional Flood Insurance Program
To satisfy requirements of the Nat	IONAL ATOMI AND A CODY
This certification must be submitted to, and kept on file	by, the local jurisdiction's permit authority. If oup
pould be retained by the owner to demonstrate compnan	
he Smart VENTE and Flood VENTE Foundation Flood Vent is certific set forth in the Federal Emergency Management Agency's National Flo 8, provided it is installed according to the those references, as summariz uildings; attached and detached garages, and accessory structures that me criffication dated June 21, 2002, and a copy of the National Evaluation Se isit:	d as meeting the flood opening requirements for engineered openings od Insurance Program regulations (44 CFR 60.3(c)(5)) and ASCE 24- red below. Flood openings are required in enclosures below elevated at the required limitations. For a copy of the report documenting this ervice report NER 624, contact Smart VENT, Inc., at 877/441-8368 or went com
www.smar	A Foundation Flood Vent and the FloodVENTM
do hereby certify that the Smart VEXTO Houses insulated Eoundation Flood Vent opening (s) is design automatic equalizing of hydrostatic flood forces on and exit of floodwater during floods up to and includ or one FloodVENT TM for every 200 Sq Ft. of enclose equalization during a flood provided the installation below. To Calculate the required number of Smar Feet of enclosed area by 200.	ned for installation in buildings, will allow for the exterior walls by allowing for the automatic entry ling the base (100-year) flood. One Smart VENTO d area will provide sufficient hydrostatic pressure limitations and instructions are followed as listed t VENTS® or FloodVENTS TM divide the Square
Free of enclosed area requ	ires 10 vents, 2000 Sq. Ht / 200 =10 vents
11 2 0-1	
Signature the har har	
Title SENIOR PROSECT ENGWEER	
TYDE OF LICENSE PROFESSIONAL ENGINEEL	
License Number 57795	
*Project Name	
*Project Address	
*Date Submitted	Professional Sea
* Required Fields*	
	All Style
Technology I Intituite	ons and instructions
TISING AND AN ELONAVENTIMATIN' PROVIDES SUI	ficient automatic equalization of hydrostatic pressure on walls and
foundations of buildings located in flood hazard areas w	here the rate of rise is expected to be less than or approximately state.
per hour.	elevated attached and detached garages, and certain non-elevated
 Enclosed areas below otherwise clevated buildings, the accessory structures located in flood hazard areas are to 	be used solely for parking of vehicles, building access, or storage.
3. Bach enclosed area shall have at least two flood opening	installed on different sides of the enclosed a set
4. The bottom of the flood openings shall be no name have the providence with manufacturer's	
5. Installation must be in been a	
REFERENCE ONLY	From FEMA 18133
Guidance I DE EUE	metreu o general o contra de la
	INCLUSION THE REAL BUILTING THE I-93
National Flood Insurance River and	criterial stated previously, a design professional (registered engine
In situations where it is not leasible or desirable to meet intropender rchitect) may design and certify openings. This section provides gui equirements for non-engineered openings listed on page 2 and 3 of The equirements for non-engineered openings listed on page 2 and 3 of The	dance for such engineered designs. For openings not meeting all B 1-93, certification by a registered professional engineer or archite community. These certifications must assure community officials that
equired. Such certification must be subfinited to any system of practice penings are designed in accordance with accepted standards of practice eparately. It must include appropriate certification language, and the name of the certification of the standard of the name	:e. A certification may be affixed to the design drawings of submits, title, address, signature, type of license, license number, and professive at www.fema.gov)
cal of the continery Version and and the second	
E CLADTION	Rev.A July 2002

U.S. DEPARTMENT OF HOMELAND SECURITY FEDERAL EMERGENCY MANAGEMENT AGENCY

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ELEVATION CERTIFICATE

National Flood Insurance Program Important: Read the instructions on page	OMB No. 1660-0008 Expiration Date: July 31, 2015
SECTION A - PROPERTY INFORMAT	ON FOR INSURANCE COMPANY USE
A1. Building Owner's Name Blackwolff Homes LLC	Policy Number.
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 6540 GULF OF MEXICO DRIVE	Company NAIC Number:
City LONGBOAT KEY State FL ZIP Code 342	8
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 2 OF L. J. HARRIS' UNRECORDED PLAT OF A RE-SUBDIVISION, LOTS 2B AND 3B OF SLEEP	/ LAGOON ADDITION
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>RESIDENTIAL</u> A5. Latitude/Longitude: Lat. <u>27'25'44.05141"</u> Long. <u>82'40'41.57793"</u> A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurant A7. Building Diagram Number <u>1B</u> A8. For a building with a crawlspace or enclosure(s): A9. For a building a) Square footage of crawlspace or enclosure(s) N/A sq ft a) Square b) Number of permanent flood openings in the crawlspace b) Number of permanent flood openings in the crawlspace b) Number c) Total net area of flood openings in A8.b sq in c) Total ret area of flood openings? Yes Yes No d) Engine	prizontal Datum: NAD 1927 NAD 1983 e. ng with an attached garage: footage of attached garage <u>708</u> sq ft r of permanent flood openings in the attached garage .0 foot above adjacent grade <u>4</u> at area of flood openings in A9.b <u>800</u> sq in ered flood openings? Yes No
SECTION B - FLOOD INSURANCE RATE MAP (FIRM)	FORMATION
B1. NFIP Community Name & Community Number LONGBOAT KEY, TOWN OF 125126 B2. County Name MANATEE	B3. State FL
B4. Map/Panel Number 12081C0291/0291 B5. Suffix E B6. FIRM Index Date B7. FIRM Panel E MARCH 17, 2014 Effective/Revised Date MARCH 17, 2014	B8. Flood B9 Base Flood Elevation(s) (Zone Zone(s) A0, use base flood depth) AE
Designation Date: CBRS OPA	Area (OPA)? Yes No
 C1. Building elevations are based on: □ Construction Drawings* □ Building Under Construction Certificate will be required when construction of the building is complete. C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AF below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: NGS V 689 Vertical Datum: NAVD 1988 Indicate elevation datum used for the elevations in items a) through h) below. □ NGVD 1929 ⊠ NA Datum used for building elevations must be the same as that used for EEE 	/EY REQUIRED) struction*
	Check the measurement used
a) Top of bottom floor (including basement, crawispace, or enclosure floor) <u>11.5</u>	⊠ feet ∏ meters
b) Top of the next higher floor N/A	feet interes
d) Attached garage (top of slab)	feet meters
e) Lowest elevation of machinery or equipment servicing the building 10.9 (Describe type of equipment and location in Comments)	⊠ feet ☐ meters
 T) Lowest adjacent (finished) grade next to building (LAG) 4.7 g) Highest adjacent (finished) grade next to building (LAG) 	🛛 feet 🗌 meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support 5.3	⊠ feet □ meters
SECTION D - SUBVEYOR ENGINEER OR ADOUTEOT OF	
This certification is to be signed and seeled by a land surveyor, engineer, or ARCHIECT CE	RTIFICATION
information. I certify that the information on this Certificate represents my best efforts to interpret the data i understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Se Check here if comments are provided on back of form. Check here if attachments. Check her	certify elevation available. otion 1001. provided by a No No No
Title PRESSIDENT Compare Man Allon Compare Man A	8
Address 690 LENA LANE City SARASOTA State FL ZIP Code	12/6/15
Signature Math SBAC Date 11/30/2015 Telephone	

Replaces all previous editions.

Building Street Address (including Apt Linit S.	corresponding information fro	om Section A.	F	OR INSURANCE COMPANY USE
6540 GULF OF MEXICO DRIVE	uite, and/or Bldg. No.) or P.O. Route	and Box No.	P	olicy Number:
City LONGBOAT KEY	State FL	ZIP Code 34	228 C	ompany NAIC Number:
SECTION D - SU	RVEYOR, ENGINEER, OR ARC	HITECT CERT	IFICATION (CON	TINUED)
Copy both sides of this Elevation Certificate for	(1) community official, (2) insurance	agent/company,	and (3) building own	ner.
Comments (1) NGS BENCHMARK V 689 PUE CONDITIONER ELEVATION 10.9'. (3) 4 ENGIN 200 SQ IN EACH) EQUALLLING A TOTAL OF	SLISHED ELEVATION 3.10' (NAVD 8 NEERED FLOOD VENTS MODEL N 800 SQ IN., LOCATED IN BLOCK V	8) (2) LOWEST JMBER 1540-52 VALL AND GAR/	EQUIPMENT SERV 0 AND MODEL NU AGE DOORS.	/ICING THE BUILDING AIR MBER 1540-524 (2 EACH TYPICAL,
Signature Math P	3.At Da	te 11/30/2015		
SECTION E - BUILDING ELEVATION	INFORMATION (SURVEY NOT	REQUIRED)	OR ZONE AO A	ND ZONE A (WITHOUT BFE)
 For Zones AO and A (without BFE), complete it and C. For items E1–E4, use natural grade, if a E1. Provide elevation information for the follow grade (HAG) and the lowest adjacent grad a) Top of bottom floor (including basemen b) Top of bottom floor (including basemen b) Top of bottom floor (including basemen celevation C2.b in the diagrams) of the builters. Attached garage (top of slab) is E4. Top of platform of machinery and/or equip E5. Zone AO only: If no flood depth number is ordinance?Yes No Unknow 	tems E1–E5. If the Certificate is inten ivaliable. Check the measurement us wing and check the appropriate boxed de (LAG). It, crawlspace, or enclosure) is	ded to support a ed. In Puerto Ric s to show whether 	LOMA or LOMR-F to only, enter meters or the elevation is all eet meters i 9 (see pages 8–9 of ve or below the of the HAG. meters above coordance with the faction G.	request, complete Sections A, B, s. bove or below the highest adjacent above or below the HAG. of Instructions), the next higher floor HAG. we or below the HAG. community's floodplain management
SECTION F - PRO	OPERTY OWNER (OR OWNER'	S REPRESEN	TATIVE) CERTIF	ICATION
or Zone AO must sign here. The statements in S Property Owner's or Owner's Authorized Repres Address	Sections A, B, and E are correct to the sentative's Name City	e best of my know	vledge, Ŝtate	ZIP Code
	Date		relephon	e
			the second s	
Comments			2	Check here if attachment
Comments	ECTION G - COMMUNITY INFO	RMATION (OF	TIONAL)	Check here if attachment
Comments Si e local official who is authorized by law or ordinat this Elevation Certificate. Complete the applicable . The information in Section C was taken	ECTION G - COMMUNITY INFO nce to administer the community's floo e item(s) and sign below. Check the m from other documentation that has b	RMATION (OF odplain managem neasurement used een signed and s	PTIONAL) ent ordinance can c d in Items G8–G10. sealed by a licensed	Check here if attachment
Comments e local official who is authorized by law or ordinat this Elevation Certificate. Complete the applicable I. The information in Section C was taken is authorized by law to certify elevation i	ECTION G – COMMUNITY INFO nce to administer the community's flor e item(s) and sign below. Check the m from other documentation that has b information. (Indicate the source and	RMATION (OF odplain managem neasurement used een signed and s I date of the elev	PTIONAL) ent ordinance can c d in Items G8–G10. sealed by a licensed ation data in the Co	Check here if attachment omplete Sections A, B, C (or E), and G In Puerto Rico only, enter meters. I surveyor, engineer, or architect who mments area below.)
Comments E local official who is authorized by law or ordinat this Elevation Certificate. Complete the applicable I. The information in Section C was taken is authorized by law to certify elevation i 2. A community official completed Section 3. The following information (Items G4–G1)	ECTION G – COMMUNITY INFO nce to administer the community's floo e item(s) and sign below. Check the m from other documentation that has b information. (Indicate the source and E for a building located in Zone A (w 0) is provided for community floodale	RMATION (OF odplain managem leasurement used een signed and s I date of the elev- ithout a FEMA-is	PTIONAL) ent ordinance can c d in Items G8–G10. sealed by a licensed ation data in the Co sued or community numoses	Check here if attachment omplete Sections A, B, C (or E), and G In Puerto Rico only, enter meters. I surveyor, engineer, or architect who mments area below.) issued BFE) or Zone AO.
Comments Sile local official who is authorized by law or ordinal this Elevation Certificate. Complete the applicable I. The Information in Section C was taken is authorized by law to certify elevation i 2. A community official completed Section 3. The following information (Items G4–G1 34. Permit Number G5. Da	ECTION G – COMMUNITY INFO nce to administer the community's floo e item(s) and sign below. Check the m from other documentation that has b information. (Indicate the source and E for a building located in Zone A (w 10) is provided for community floodpla the Permit Issued	RMATION (OF opplain managem teasurement used een signed and s date of the elev- ithout a FEMA-is ain management G6. Date C	PTIONAL) ent ordinance can c d in Items G8–G10. sealed by a licensed ation data in the Co sued or community purposes. Certificate Of Compl	Check here if attachment omplete Sections A, B, C (or E), and G In Puerto Rico only, enter meters. I surveyor, engineer, or architect who mments area below.) issued BFE) or Zone AO.
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Second official who is authorized by law or ordinal this Elevation Certificate. Complete the applicable is authorized by law to certify elevation is authoris authoris authorized by law to certify elevation is	ECTION G – COMMUNITY INFO nce to administer the community's floc e item(s) and sign below. Check the m from other documentation that has b information. (Indicate the source and E for a building located in Zone A (w 10) is provided for community floodpla the Permit Issued w Construction Substantial asement) of the building:	RMATION (OF opplain managem teasurement user een signed and s date of the elev- ithout a FEMA-is ain management G6. Date C mprovement G6. Date C Improvement Get fite	PTIONAL) ent ordinance can c d in Items G8–G10. sealed by a licensed ation data in the Co sued or community purposes. Certificate Of Compl meters c meters c	Check here if attachment Complete Sections A, B, C (or E), and G In Puerto Rico only, enter meters. Surveyor, engineer, or architect who mments area below.) Surveyor, engineer, or architect who mments area below. Surveyor, engineer, or architect who surveyor, engineer, or architect Surveyor, engineer, or architec
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Building Photographs

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the correspond	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Unit, Suite, and/or Bidg 6540 GULF OF MEXICO DRIVE	Policy Number.		
City LONGBOAT KEY	State FL	ZIP Code 34228	Company NAIC Number:

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.





FRONT VIEW 11/30/2015

RIGHT SIDE VIEW 11/30/2015





REAR VIEW 11/30/2015

LEFT SIDE VIEW 11/30/2 RECEIVED

DEC 1 0 2015

TOWN OF LONGBOAT KEY Planning, Zoning and Building

FEMA Form 086-0-33 (7/12)

Replaces all previous editions.

Building Photographs Continuation Page

IMPORTANT: In these spaces, copy the corresponding	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Unit, Suite, and/or Bldg. M 6540 GULF OF MEXICO DRIVE	Policy Number:		
City LONGBOAT KEY	State FL	ZIP Code 34228	Company NAIC Number:
It submitting more photographs than will fit on the prece	ding page, affix t	ne additional photographs	below. Identify all photographs
with date taken "Front View" and "Rear View" and	if required "Rig	ht Side View" and "Loft	Side View " When epplicable

View." When applicable, ıgı photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.





LOWEST EQUIPMENT ELEVATED AIR CONDITIONER

11/30/2015

TYPICAL SMART VENT MODEL 1540-524 IN GARAGE DOOR 11/30/2015



ICC-ES Evaluation Report

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ESR-2074* Reissued December 1, 2012

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

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: FLOODVENT[™] MODEL #1540-520; FLOODVENT[™] STACKING MODEL #1540-521; SMARTVENT[™] MODEL #1540-510; SMARTVENT[™] STACKING MODEL #1540-511; WOOD WALL FLOOD MODEL #1540-570; WOOD WALL FLOOD OVERHEAD DOOR MODEL #1540-574; FLOODVENT[™] OVERHEAD DOOR MODEL #1540-524; SMARTVENT[™] OVERHEAD DOOR MODEL #1540-514

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2009 and 2006 International Building Code[®] (IBC)
- 2009 and 2006 International Residential Code[®] (IRC)

Properties evaluated:

- Physical operation
- Water flow

2.0 USES

The Smart Vent[®] units are automatic foundation flood vents (AFFVs) employed to equalize hydrostatic pressure on nonfire-resistance-rated foundation walls, rolling-type overhead doors and building walls subject to rising or falling flood waters. The Smart Vent[®] units are intended for use where flood hazard areas have been established in accordance with IBC Section 1612.3 or IRC Section R3222.1. Certain models also allow natural ventilation in accordance with Section 1203 of the IBC or Section 408.1 of the IRC.

3.0 DESCRIPTION

3.1 General:

When subjected to pressure from rising water, the Smart Vent[®] AFFVs disengage, 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 AFFV 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 plate to rotate out of the way and allow flow. The water level stabilizes, equalizing the lateral forces. Each unit is fabricated from stainless steel. The SmartVENT[™] Stacking Model #1540-511 and FloodVENT[™] Stacking Model #1540-521 units each contain two vertically arranged openings per unit.

This report is subject to renewal February 1, 2015.

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3.2 Engineered Opening:

The AFFVs comply with the design principle noted in Section 2.6.2.2 of ASCE/SEI 24 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 AFFVs must be installed in accordance with Section 4.0.

3.3 Model Sizes:

The FloodVENT[™] Model #1540-520, SmartVENT[™] Model #1540-510, FloodVENT[™] Overhead Door Model #1540-524, and SmartVENT[™] Overhead Door Model #1540-514 units measure 15³/₄ inches wide by 7³/₄ inches high (400 by 196.9 mm). The Wood Wall Flood Model #1540-570 and Wood Wall Flood Overhead Door Model #1540-574 units measure 14 inches wide by 8³/₄ inches high (355.6 by 222.25 mm). The SmartVENT[™] Stacking Model #1540-521 units measure 16 inches wide by 16 inches high (406.4 by 406.4 mm).

3.4 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 AFFVs recognized in this report do not offer natural ventilation.

4.0 INSTALLATION

SmartVENT^{SS} 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. The mounting straps allow mounting in wood, masonry and

*Revised July 2013

ICC-ES Evaluation Reports are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.

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concrete walls up to 12 inches (305 mm) thick. In order to comply with the engineered opening design principle noted in Section 2.6.2.2 of ASCE/SEI 24, the Smart Vent[®] AFFVs must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one AFFV 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 AFFV for every 400 square feet (37.2 m²) of enclosed area.
- Below the base flood elevation.
- With the bottom of the AFFV located a maximum of 12 inches (305.4 mm) above grade.

5.0 CONDITIONS OF USE

The Smart Vent[®] AFFVs 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[®] AFFVs 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[®] AFFVs 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 Automatic Foundation Flood Vents (AC364), dated October 2007.

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).



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ICC-ES Evaluation Report

ESR-2074 FBC Supplement

Issued July 1, 2013 This report is subject to renewal February 1, 2015.

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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: FLOODVENT[™] MODEL #1540-520; FLOODVENT[™] STACKING MODEL #1540-521; SMARTVENT[™] MODEL #1540-510; SMARTVENT[™] STACKING MODEL #1540-511; WOOD WALL FLOOD MODEL #1540-570; WOOD WALL FLOOD OVERHEAD DOOR MODEL #1540-574; FLOODVENT[™] OVERHEAD DOOR MODEL #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:

2010 Florida Building Code—Building (FBC)

2010 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 structures not subject to FBC Section 2326.3.1 or FRC Section 4409.13.3.1, as applicable.

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 December 1, 2012, revised July 2013.

