US DEPARTMENT OF HOMELAND SECURITY ELEVATION CERTIFICATE Federal Emergency Management Agency National Flood I

1

OMB No. 1660-0008 Expires March 31, 2012

Important: Dead the instructions on second 6.0

National Plood Insurance Pro	gram	Important:	Read the instru	ctions on pa	ages 1-9	
A1 Building Owner's Name	James & Chris	SECTI	ON A - PROPER	TY INFORM	ATION	For Insurance Company Use:
A1. Densing Owner's Name James & Owner Culeston					Policy Number	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 532 Ranger Lane				Company NAIC Number		
City Longboat Key	State FL ZIP	Code 34228				
A3 Property Description (L Lot 12, Block C, Country Clu	ot and Block Nun b Shores-Unit 4,	nbers, Tax Parcel Nu Parcel No. 0010-02-	mber, Legai Descrij 0013	otion, etc)		-
 A4. Building Use (e.g., Res A5. Latitude/Longitude. Lat A6. Attach at least 2 photog A7. Building Diagram Numt A8. For a building with a cra a) Square footage of c b) No of permanent file enclosure(s) within c) Total ret are of file 	idential, Non-Res <u>27.345412</u> Lon traphs of the buik ter <u>18</u> twispace or enclor rawispace or enclor rawispace or enclor travispace or enclor trav	idential, Addition, Ac ng. <u>-82.600453</u> Horiz ding if the Certificate asure(s) closure(s) <u>N</u> he crawlspace or ljacent grade <u>N</u>	cessory, etc.) <u>Resid</u> contal Datum: N is being used to obt //A sq ft	AD 1927 X ain flood insur A9 For a b a) Squ b) No with	NAD 1983 ance. uilding with an attack uare footage of attack of permanent flood in 1.0 foot above ad	hed garage hed garage <u>493</u> sq ft openings in the attached garage jacent grade <u>3</u>
d) Engineered flood op	enings?	Yes 🖾 No	<u>⊘ sqin</u>	d) Eng	al net area of flood o gineered flood opening	peningsin A9.b. <u>600</u> sqin ngs? ⊠Yes ⊡No
	SECTI	ON B - FLOOD IN	SURANCE RATE	MAP (FIRM) INFORMATION	
n. NFIP Community Name ongboat Key, 125126	& Community Nu	mber B S	2 County Name arasota		E	33. State FL
B4 Map/Panel Number 125126 0010	B5 Suffix B	B6. FIRM Index Date 5/18/1992	B7. FIRM Effective/Revi 8/15/19	Panel sed Date 83	B8. Flood Zone(s) A13	B9 Base Flood Elevation(s) (Zone AO, use base flood depth) 11
 Is the building located in Designation Date <u>N/A</u> 	a Coastal Barrie	r Resources System	CBRS) area or Oth	erwise Protect	ted Area (OPA)?	🗋 Yes 🛛 No
	SECTION	C - BUILDING EL	EVATION INFOR	MATION (SI	JRVEY REQUIRE	D)
 A new Elevation Certifica Elevations – Zones A1-A3 below according to the bu Benchmark Utilized <u>Z 685</u> Conversion/Comments M/ a) Top of bottom floor (if b) Top of the next higher c) Bottom of the lowest I d) Attached garage (top e) Lowest elevation of m (Describe type of equilibre) Lowest adjacent (finis g) Highest adjacent (finis h) Lowest adjacent gradi structural support 	te will be required 0. AE, AH, A (with Iding diagram sp 0. DEPVertical Dal 1. STATE including basement including basemen	d when construction of th BFE), VE, V1-V30, ecified in Item A7, U tum <u>6,47 NAVD Date</u> COLVINERSIC Int, crawlspace, or end ral member (V Zones oment servicing the b ion in Comments) to building (LAG) to building (HAG) to building (HAG)	closure floor) 12 06 sonly) 12 16 uikling 12 16 sonly) 12 16 sonly) 12 16 sonly) 12 16 sonly) 12 16 sonly 16 sonly 17 16 sonly 16 sonly 16 sonly 17 16 sonly	CONVERT CONVERT CONVERT Get Get Get Get Get Get Get Get Get Get	AR/A1-A30, AR/AH, AR/A1-A30, AR/AH, Arcondocuments arcondoc	AR/AO Complete Items C2.a-h ant used R co only) Rico only) Rico only) Rico only) Rico only) Rico only) Rico only) Rico only) Rico only) Rico only)
	SECTION	D - SURVEYOR, I	ENGINEER, OR	RCHITECT	CERTIFICATION	MILLING AS
us certification is to be signe formation. I certify that the in iderstand that any false state Check here if comments a	d and sealed by a formation on this ment may be put re provided on ba	a land surveyor, engi c Certificate represen nishable by fine or im ack of form We lice	neer, or architect au ts my best efforts to prisonment under 1 tre latitude and long ensed land surveyor	thorized by law interpret the of 8 U S. Code, itude in Sectio 7 🖾 Yes	w to certify elevation lata available I Section 1001 m A provided by a No	
rtifier's Name John C. Minde	PE, PSM		Licens	e Number 407	11	E. C. Meil
e Professional Surveyor &	Mapper Co	ompany Name Mind	er & Associates En	gineering Corp	oration	
dress P.O. Box 18837	Ci	ty Sarasota	State	FL 2	IP Code / 342/6	- 1-19-13
nature Ann /	Men	Date 01/05	9/2013 Teleph	one 941-926	2700	- Prosent
AA Form 81-31 Mar 09		See	averse side for an	ntinuation		Destance - No
		Seen	Sveise Side for CO	minuation.		Replaces all previous editions

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

ELEVATION CERTIFICATE

OMB No. 1660-0008 Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION						For Insurance Company Use:	
1. Building Owner's Name James & Chris Eccleston						Policy Number	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 532 Ranger Lane							Company NAIC Number
City Longboat Key	State FL ZIP	Code 34228					
A3. Property Description (Lot 12, Block C, Country C	_ot and Block Num ub Shores-Unit 4, I	bers, Tax Parcel Nur Parcel No. 0010-02-0	mber, Legal D 0013	escription, etc	c.)		
A4. Building Use (e.g., Re A5. Latitude/Longitude: La A6. Attach at least 2 photo	sidential, Non-Resi t. <u>27.345412</u> Long graphs of the build	dential, Addition, Acc g. <u>-82.600453</u> Horiz ing if the Certificate i	cessory, etc.) ontal Datum: is being used	Residential NAD 192 to obtain flood	7 🖾 N dinsura	IAD 1983 Ince.	
A7. Building Diagram Num A8. For a building with a c	awispace or enclos	sure(s):		A9. F	or a bu	uilding with an attach	ned garage:
 a) Square footage of crawlspace or enclosure(s) b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade b) NA 							hed garage <u>493</u> sq ft openings in the attached garage jacent grade 3
c) Total net area of flood openings in A8.b N/A sq in c) Total net area of flood openings? Yes No d) Engineered flood openings? Yes No d) Engineered flood openings?						I net area of flood o ineered flood openir	penings in A9.b <u>600</u> sq in ngs? ⊠ Yes □ No
	SECTI	ON B - FLOOD IN	SURANCE	RATE MAP	(FIRM) INFORMATION	
B1. NFIP Community Name Longboat Key, 125126	e & Community Nur	mber B M	2. County Na lanatee	me		E F	33. State FL
B4. Map/Panel Number 125126 0010	B5. Suffix B	B6. FIRM Index Date 5/18/1992	B7. Effectiv 8	FIRM Panel e/Revised Dat /15/1983	te	B8. Flood Zone(s) A13	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 11
10. Indicate the source of	the Base Flood Ele	vation (BFE) data or	base flood d	epth entered i	n Item E	B 9.	l
FIS Profile		Community Deterr	nined	Other (De	scribe)		
12. Is the building located Designation Date <u>N/A</u>	in a Coastal Barrie	r Resources System	(CBRS) area	or Otherwise	Protect	ted Area (OPA)?)
	SECTION	C - BUILDING EL	EVATION I	NFORMATI	ON (SL	JRVEY REQUIRE	ED)
1. Building elevations are	based on:] Construction Draw	vings*	Building	Under (Construction*	Finished Construction
 *A new Elevation Certifier 2. Elevations – Zones A1- below according to the I 	cate will be required A30, AE, AH, A (wit building diagram sp	d when construction th BFE), VE, V1-V30 pecified in Item A7. L	of the building , V (with BFE Jse the same), AR, AR/A, A datum as the	R/AE, ABFE.	AR/A1-A30, AR/AH	AR/AO. Complete Items C2.a-h
Benchmark Utilized Z6	89 DEPVertical Da	tum <u>6.47</u>				J	AN 10 2013
Conversion/Comments	N/A				CI	heck the measurem	ent used GBOAT KEY
a) Top of bottom floor	(including baseme	nt, crawlspace, or er	closure floor	12.06	🛛 feet	meters (Puerto	Ricolonly)and Building
b) Top of the next hig	her floor			<u>1906</u>	feet	meters (Puerto	Rico only)
 c) Bottom of the lower d) Attached garage (t) 	st horizontal structu	iral member (V Zone	s only)	<u>N/A</u>	∐ feet	meters (Puerto	Rico only)
 Attached garage (if e) Lowest elevation of (Describe type of e 	f machinery or equi quipment and locat	pment servicing the ion in Comments)	building	<u>9.12</u> <u>12</u> . <u>16</u>	⊠ feet	meters (Puerto	Rico only)
f) Lowest adjacent (fi	nished) grade next	to building (LAG)		<u>7</u> . <u>8</u>	🛛 feet	meters (Puerto	Rico only)
 g) Highest adjacent (f h) Lowest adjacent gr structural support 	inished) grade next ade at lowest eleva	to building (HAG) ation of deck or stairs	, including	<u>8.7</u> <u>7.3</u>	⊠ feet ⊠ feet	meters (Puerto	PRico only) Prico only)
	SECTION	D - SURVEYOR.	ENGINEER	, OR ARCH	ITECT	CERTIFICATION	1
This certification is to be sig	ned and sealed by	a land surveyor, end	gineer, or arch	nitect authorize	ed by la	w to certify elevatio	n
nformation. I certify that th inderstand that any false s Check here if comment	e information on thi atement may be pu s are provided on b	is Certificate represe unishable by fine or i pack of form. W	nts my best e mprisonment lere latitude a censed land s	fforts to interp under 18 U.S. nd longitude i urveyor?	net the Code, n Section ⊠Yes	data available.I Section 1001.⊠ on A provided by a s □ No /	PLACE
Certifier's Name John C. M	nder, P.E., P.S.M.	1		License Num	nber 40)71	fill Mente
itle Professional Surveyor	& Mapper	Company Name Min	nder & Associ	ates Engineer	ring Cor	rporation	1-10-13
Address P.O. Box 18837	MA	City Sarasota	00/0010	State FL	044.05	ZIP Code 34276	
Signature Au	Wkid	Date 01/	09/2013	lelephone	941-920	6-2700	Manager DV
1 1							

IMPORTANT: In these spaces,	copy the corresponding inf	ormation from Section A		For Insurance Company Use:
Building Street Address (including Apt 532 Ranger Lane		Policy Number		
City Longboat KeyState FL ZIP Cod		Company NAIC Number		
SECTION	N D - SURVEYOR, ENGINEE	R, OR ARCHITECT CER	TIFICATION (CONT	INUED)
Copy both sides of this Elevation Cert	tificate for (1) community official,	(2) insurance agent/company	, and (3) building owne	г.
Comments C2.e: Elevated A/C part	d on Southwest side of building.	Data 04/00/0012		
	1953	Date 01/09/2013		Check here if attachme
SECTION E - BUILDING ELE	VATION INFORMATION (SU	JRVEY NOT REQUIRED)	FOR ZONE AO AN	D ZONE A (WITHOUT BFE)
 For Zones AO and A (without BFE), c and C. For Items E1-E4, use natural E1. Provide elevation information for grade (HAG) and the lowest adj a) Top of bottom floor (including b) Top of bottom floor (including c) Top of bottom floor (including b) Top of bottom floor (including c) Top of bottom	complete Items E1-E5. If the Cerr grade, if available. Check the m or the following and check the app jacent grade (LAG). basement, crawlspace, or enclo basement, crawlspace, or enclo permanent flood openings provid) of the building is	tificate is intended to support easurement used. In Puerto propriate boxes to show wheth sure) is [] sure) is [] led in Section A Items 8 and/o feet [] meters [] ab meters [] above or [] belo Iding is [] feet f the bottom floor elevated in must certify this information in	a LOMA or LOMR-F re Rico only, enter meters her the elevation is abo feet	equest, complete Sections A, B, we or below the highest adjacent bove or below the HAG. bove or below the LAG. nstructions), the next higher floor AG. or below the HAG. pmmunity's floodplain manageme
SECTION	N F - PROPERTY OWNER (C	OR OWNER'S REPRESEN	NTATIVE) CERTIFIC	ATION
Property Owner's or Owner's Authoriz	ements in Sections A, B, and E a ed Representative's Name	re correct to the best of my kr	nowledge.	
Property Owner's or Owner's Authoriz Idress Signature	ements in Sections A, B, and E a red Representative's Name	re correct to the best of my kr City Date	nowledge. State Telephone	ZIP Code
Property Owner's or Owner's Authoriz Idress Signature Comments	ements in Sections A, B, and E a	re correct to the best of my kr City Date	nowledge. State Telephone	ZIP Code
Property Owner's or Owner's Authoriz Idress Signature Comments	ements in Sections A, B, and E a	re correct to the best of my kr City Date	nowledge. State Telephone	ZIP Code
Property Owner's or Owner's Authoriz Idress Signature Comments	ements in Sections A, B, and E a red Representative's Name SECTION G - COMM	re correct to the best of my kr City Date UNITY INFORMATION (O	State State Telephone	ZIP Code
Property Owner's or Owner's Authoriz Idress Signature Comments he local official who is authorized by land G of this Elevation Certificate. Com	SECTION G - COMM aw or ordinance to administer the nplete the applicable item(s) and	City Date UNITY INFORMATION (O community's floodplain mana sign below. Check the measu	State State Telephone PPTIONAL) agement ordinance can urement used in Items	ZIP Code
Property Owner's or Owner's Authoriz idress Signature Comments he local official who is authorized by la hd G of this Elevation Certificate. Com 1. The information in Section C is authorized by law to certify	SECTION G - COMM SECTION G - COMM aw or ordinance to administer the nplete the applicable item(s) and was taken from other documenta elevation information. (Indicate	City Date UNITY INFORMATION (O community's floodplain mana sign below. Check the measu tion that has been signed and the source and date of the ele	State State Telephone PPTIONAL) agement ordinance can urement used in Items d sealed by a licensed s evation data in the Com	ZIP Code Check here if attachm Complete Sections A, B, C (or E G8 and G9. surveyor, engineer, or architect w ments area below.)
Property Owner's or Owner's Authoriz idress Signature Comments ad G of this Elevation Certificate. Com 1. The information in Section C is authorized by law to certify 2. A community official complete	SECTION G - COMM SECTION G - COMM aw or ordinance to administer the nplete the applicable item(s) and was taken from other documenta elevation information. (Indicate ed Section E for a building locate	City Date UNITY INFORMATION (O community's floodplain mana sign below. Check the meas tion that has been signed and the source and date of the ele d in Zone A (without a FEMA-	State State Telephone PTIONAL) agement ordinance can urement used in Items a sealed by a licensed s evation data in the Com issued or community-is	ZIP Code Check here if attachn complete Sections A, B, C (or E G8 and G9. surveyor, engineer, or architect w ments area below.) ssued BFE) or Zone AO.
Property Owner's or Owner's Authorize idress Signature Comments ad G of this Elevation Certificate. Com 1. The information in Section C is authorized by law to certify 2. A community official complete 3. The following information (Iter	SECTION G - COMM SECTION G - COMM aw or ordinance to administer the nplete the applicable item(s) and was taken from other documenta elevation information. (Indicate ed Section E for a building locate ms G4-G9) is provided for comm	City Date Date UNITY INFORMATION (O community's floodplain mana sign below. Check the meas tion that has been signed and the source and date of the ele d in Zone A (without a FEMA- unity floodplain management	State State Telephone P PTIONAL) Igement ordinance can urement used in Items d sealed by a licensed s evation data in the Com issued or community-is purposes.	ZIP Code Check here if attachn Complete Sections A, B, C (or E G8 and G9. surveyor, engineer, or architect w ments area below.) ssued BFE) or Zone AO.
Property Owner's or Owner's Authoriz Idress Signature Comments The local official who is authorized by land G of this Elevation Certificate. Com 1. The information in Section C is authorized by law to certify 2. A community official complete 3. The following information (Itel G4. Permit Number	SECTION G - COMM SECTION G - COMM aw or ordinance to administer the nplete the applicable item(s) and was taken from other documenta elevation information. (Indicate ed Section E for a building locate ms G4-G9) is provided for comm G5. Date Permit Issued	City Date Date UNITY INFORMATION (O community's floodplain mana sign below. Check the meas tion that has been signed and the source and date of the ele d in Zone A (without a FEMA- unity floodplain management G6. Date	State State Telephone PTIONAL) agement ordinance can urement used in Items d sealed by a licensed s vation data in the Com issued or community-is purposes. Certificate Of Complia	ZIP Code Check here if attachm Complete Sections A, B, C (or E G8 and G9. surveyor, engineer, or architect w iments area below.) ssued BFE) or Zone AO. nce/Occupancy Issued
Property Owner's or Owner's Authoriz idress Signature Comments ne local official who is authorized by land of of this Elevation Certificate. Com 1. The information in Section C is authorized by law to certify 2. A community official complete 3. The following information (Itel G4. Permit Number 7. This permit has been issued for:	SECTION G - COMM SECTION G - COMM aw or ordinance to administer the nplete the applicable item(s) and was taken from other documenta elevation information. (Indicate ed Section E for a building locate ms G4-G9) is provided for comm G5. Date Permit Issued	City Date Date UNITY INFORMATION (O community's floodplain mana sign below. Check the measu tion that has been signed and the source and date of the ele d in Zone A (without a FEMA- unity floodplain management G6. Date Substantial Improvement	State State Telephone PTIONAL) agement ordinance can urement used in Items d sealed by a licensed s evation data in the Com issued or community-is purposes. Certificate Of Complia	ZIP Code Check here if attachm Complete Sections A, B, C (or E G8 and G9. surveyor, engineer, or architect w iments area below.) asued BFE) or Zone AO. nce/Occupancy Issued
Property Owner's or Owner's Authoriz Idress Signature Comments he local official who is authorized by land G of this Elevation Certificate. Con 1. The information in Section C is authorized by law to certify 2. A community official complete 3. The following information (Iter G4. Permit Number 7. This permit has been issued for: 8. Elevation of as-built lowest floor (in	SECTION G - COMM SECTION G - COMM aw or ordinance to administer the nplete the applicable item(s) and was taken from other documenta elevation information. (Indicate ed Section E for a building locate ms G4-G9) is provided for comm G5. Date Permit Issued New Construction [ncluding basement) of the buildin	City Date UNITY INFORMATION (O community's floodplain mana sign below. Check the meas tion that has been signed and the source and date of the elect d in Zone A (without a FEMA- unity floodplain management G6. Date G6. Date G1. Substantial Improvement	State State Telephone PTIONAL) Igement ordinance can urement used in Items d sealed by a licensed s evation data in the Com- issued or community-is purposes. Certificate Of Complia	ZIP Code Check here if attachm complete Sections A, B, C (or E G8 and G9. surveyor, engineer, or architect w ments area below.) ssued BFE) or Zone AO. nce/Occupancy Issued
Property Owner's or Owner's Authoriz Idress Signature Comments A community official complete Community of community of complete Community of community of complete Community of community of communi	SECTION G - COMM SECTION G - COMM aw or ordinance to administer the nplete the applicable item(s) and was taken from other documenta elevation information. (Indicate ed Section E for a building locate ms G4-G9) is provided for comm G5. Date Permit Issued Section [New Construction [ncluding basement) of the buildin ding at the building site:	City Date UNITY INFORMATION (O community's floodplain mana sign below. Check the measi tion that has been signed and the source and date of the ele d in Zone A (without a FEMA- unity floodplain management G6. Date G6. Date G1 Substantial Improvement g1 feet feet feet feet feet feet	State Telephone PTIONAL) regement ordinance can urement used in Items d sealed by a licensed s evation data in the Com- issued or community-is purposes. Certificate Of Complia] meters (PR) Datum] meters (PR) Datum	ZIP Code
Property Owner's or Owner's Authoriz Idress Signature Comments he local official who is authorized by land G of this Elevation Certificate. Com 1. The information in Section C is authorized by law to certify 2. A community official complete 3. The following information (Itel G4. Permit Number 7. This permit has been issued for: 8. Elevation of as-built lowest floor (ii 9. BFE or (in Zone AO) depth of floor 10. Community's design flood elevation	SECTION G - COMM SECTION G - COMM Section State and Ear Section G - COMM	City City Date UNITY INFORMATION (O community's floodplain mana sign below. Check the meas tion that has been signed and the source and date of the ele d in Zone A (without a FEMA- unity floodplain management G6. Date G6. Date G1 Substantial Improvement g1 G6. Date G1 G6. Date G2 G2 G4	State Telephone PTIONAL) regement ordinance can urement used in Items d sealed by a licensed s evation data in the Com- issued or community-is purposes. Certificate Of Complia] meters (PR) Datum] meters (PR) Datum] meters (PR) Datum	ZIP Code
Property Owner's or Owner's Authoriz Idress Signature Comments he local official who is authorized by la hd G of this Elevation Certificate. Com 1. The information in Section C is authorized by law to certify 2. A community official complete 3. The following information (Iter G4. Permit Number 7. This permit has been issued for: 8. Elevation of as-built lowest floor (ii 9. BFE or (in Zone AO) depth of floor 10. Community's design flood elevation Local Official's Name	SECTION G - COMM SECTION G - COMM aw or ordinance to administer the nplete the applicable item(s) and was taken from other documenta elevation information. (Indicate ed Section E for a building locate ms G4-G9) is provided for comm G5. Date Permit Issued Section [New Construction [ncluding basement] of the building ding at the building site: on	City Date UNITY INFORMATION (O community's floodplain mana sign below. Check the meas tion that has been signed and the source and date of the ele d in Zone A (without a FEMA- unity floodplain management G6. Date G6. Title Title	State Telephone PTIONAL) Ingement ordinance can urement used in Items If sealed by a licensed s evation data in the Com- issued or community-is purposes. Certificate Of Complia] meters (PR) Datum] meters (PR) Datum] meters (PR) Datum	ZIP Code Check here if attachm Complete Sections A, B, C (or E G8 and G9. Surveyor, engineer, or architect w Iments area below.) Ssued BFE) or Zone AO. Ince/Occupancy Issued CEEVED
Initial signifiere. The state Property Owner's or Owner's Authoriz Idress Signature Comments Image: Initial state Initial state Comments Image: Initial state Image: Initial state Comments Image: Initial state Comments Image: Initial state Image: Initinitial s	SECTION G - COMM SECTION G - COMM aw or ordinance to administer the nplete the applicable item(s) and was taken from other documenta elevation information. (Indicate ed Section E for a building locate ms G4-G9) is provided for comm G5. Date Permit Issued New Construction [ncluding basement) of the buildin ding at the building site: on	City Date UNITY INFORMATION (O community's floodplain mana sign below. Check the meas tion that has been signed and the source and date of the ele d in Zone A (without a FEMA- unity floodplain management G6. Date G6. Da	State Telephone PTIONAL) Ingement ordinance can urement used in Items is sealed by a licensed s evation data in the Com issued or community-is purposes. Certificate Of Complia I meters (PR) Datum I meters (ZIP Code
Initial State Property Owner's or Owner's Authoriz Idress Signature Comments Ind G of this Elevation Certificate. Comments Ind G of this Elevation Certificate. Comments Image: Image	SECTION G - COMM SECTION G - COMM aw or ordinance to administer the nplete the applicable item(s) and was taken from other documenta elevation information. (Indicate ed Section E for a building locate ms G4-G9) is provided for comm G5. Date Permit Issued New Construction [ncluding basement) of the buildin ding at the building site: on	City Date UNITY INFORMATION (O community's floodplain mana sign below. Check the measi tion that has been signed and the source and date of the ele d in Zone A (without a FEMA- unity floodplain management G6. Date G6. Date G6. Date Title Telephone Date	State Telephone PTIONAL) regement ordinance can urement used in Items d sealed by a licensed s evation data in the Com- issued or community-is purposes. Certificate Of Complia] meters (PR) Datum] meters (PR) Datum] meters (PR) Datum	ZIP Code
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Building Photographs See Instructions for Item A6.

	For Insurance Company Use:
-Building Street Address (including Apt., Unit, Suite, and/or Bldg, No.) or P.O. Route and Box No.	Policy Number
532 Ranger Lane	
-	
City Longboat Key State FL ZIP Code 34228	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two 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." If submitting more photographs than will fit on this page, use the Continuation Page. following.



FRONT VIEW

JAN 10 2013 Planning, Zoning and

Building Photographs Continuation Page

	For Insurance Company Use:
Suilding Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 32 Ranger Lane	Policy Number
City Longboat Key State FL ZIP Code 34228	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."



REAR VIEW

JAN 10 200 TOWN OF LG Planning, Zoo

BUILDING DIAGRAMS

The following diagrams illustrate various types of buildings. Compare the features of the building being certified with the features shown in the diagrams and select the diagram most applicable. Enter the diagram number in Item A7, the square footage of crawlspace or enclosure(s) and the area of flood openings in square inches in Items A8.a-c, the square footage of attached garage and the area of flood openings in square inches in Items A9.a-c, and the elevations in Items C2.a-h.

In A zones, the floor elevation is taken at the top finished surface of the floor indicated; in V zones, the floor elevation is taken at the bottom of the lowest horizontal structural member (see drawing in instructions for Section C).



A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc



ICC-ES Evaluation Report

Most Widely Accepted and Trusted

ESR-2074*

Reissued February 2015 This report is subject to renewal February 2017.

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: 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:

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

¹The 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.

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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 2.6.2.2 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 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. The mounting straps allow mounting in masonry and 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[®] 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

*Revised July 2015

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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 October 2013 (editorially revised May 2014).

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).

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

TABLE 1-MODEL SIZES

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



FIGURE 1-SMART VENT: MODEL 1540-510



FIGURE 2-SMART VENT MODEL 1540-520







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ESR-2074 FBC Supplement*

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DIVISION: 08 00 00-OPENINGS Section: 08 95 43-Vents/Foundation Flood Vents

REPORT HOLDER:

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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 2015 and revised July 2015.

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