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ELEVATION CERTIFICATE

FEDERAL EMERGENCY MANAGEMENT AGENCY OM National Flood Insurance Program Important: Read the instructions on pages 1–9. Exp				OMB Expira	No. 1660-0008 ation Date: July 31, 2015
SECTION A - PROPERTY INFORMATION					SURANCE COMPANY LISE
A1. Building Owner's Name Mark Cahill Investments LLC				Policy I	Number
2. Building Street Address (in	cluding Apt., Unit. Suite, and/or Bl	da, No) or P.O. Route and	Box No	Compo	my BIAH Altumber
7089 Longboat Drive North			DOX ND.	Compa	ny man- mumber.
City Longboat Key		State FL ZIP	Code 34228		
A3. Property Description (Lot a Lot 2, BMC Subdivision, PID 78	and Block Numbers, Tax Parcel Nu 301000609	mber, Legal Description, e	tc.)		
A4. Building Use (e.g., Reside	ntial, Non-Residential, Addition, Ac	cessory, etc.) Residential			
A5. Latitude/Longitude: Lat. 27	1.437659 Long. 82.685260 Horiz	ontal Datum: 🔲 NAD 19	27 🖾 NAD 1983		
A6. Attach at least 2 photograp A7. Building Diagram Number	the of the building if the Certificate	is being used to obtain floo	od insurance.		
A8. For a building with a crawl	space or enclosure(s):	A9.	For a building with an at	tached car	ade.
a) Square footage of craw	Ispace or enclosure(s) 1	<u>851</u> sq ft	a) Square footage of a	ttached gar	rage <u>N/A</u> sq.ft
D) Number of permanent i or enclosure(s) within 1	1000 openings in the crawlspace		b) Number of permane within 1.0 foot above	nt flood op	enings in the attached garage
c) Total net area of flood	openings in A8.b	<u>250</u> sqin	c) Total net area of floor	d opening	sin A9.b N/A so in
d) Engineered flood open	ngs? 🛛 🛛 Yes 🔲 No		d) Engineered flood op	enings?	Yes 🛛 No
	SECTION B - FLOOD IN	SURANCE RATE MAR	(FIRM) INFORMATI	ON	ب پی این این این این این این این این این ای
B1. NFIP Community Name & C	Community Number B	2. County Name		B3. Stat	0
City of Longboar Key 125120	M	anatee		FL.	
B4. Map/Panel Number 125126 0283	35. Suffix B6, FIRM Index Date E 03/17/2014	B7. FIRM Panel Effective/Revised D 03/17/2014	B8. Flood Zone(s)	B9. E	Base Flood Elevation(s) (Zone AO, use base flood depth)
10. Indicate the source of the E	ase Flood Elevation (BFE) data or	base flood depth entered	in Item B9.		
🔲 FIS Profile 🛛 🛛	FIRM Community Determ	nined Other/So	urce:		
11. Indicate elevation datum us	sed for BFE in Item B9: 🔲 NGVD	1929 🛛 NAVD 19	88 Other/Source		
12. Is the building located in a Designation Date: <u>N/A</u>	Coastal Barrier Resources System	(CBRS) area or Otherwise	Protected Area (OPA)?		🗌 Yes 🛛 No
	SECTION C - BUILDING EL	EVATION INFORMATI	ON (SURVEY REQU	IRED)	
1. Building elevations are base *A new Elevation Certificate	d on: Construction Drawi will be required when construction (ings* Building bf the building is complete.	Under Construction*	🖾 Fir	hished Construction
2. Elevations - Zones A1-A30,	AE, AH, A (with BFE), VE, V1-V3(), V (with BFE), AR, AR/A,	AR/AE, AR/A1-A30, AF	RAH, AR/A	O. Complete Items C2.a-h
Benchmark Utilized: Local Be	ng diagram specified in Item A7. In	Puerto Rico only, enter m	eters.		
Indicate elevation datum use	d for the elevations in items a) thro	ugh h) below INGVD 1	<u>68</u> 929 ⊠ NA\/⊡ 1088 □	Othor/Sour	201
Datum used for building elev	ations must be the same as that us	ed for the BFE.		Outer/Sour	ce:
a) Tan of bottom floor (include	· · · · · · · · · · · · · · · · · · ·		Chec	k the meas	surement used.
b) Top of the next higher floor	ing basement, crawispace, or encic	osure floor)	<u>3.7</u>	S feet	meters
c) Bottom of the lowest horiz	ontal structural member (V Zones o	nly)	13.37 N/A	i feet	
d) Attached garage (top of si	ab)		4.53	⊠ feet	meters
e) Lowest elevation of machine	nery or equipment servicing the bui	lding	12.73	S feet	meters
 Lowest adjacent (finished) 	grade next to building (LAG)		2.0	574 r	-
g) Highest adjacent (finished)	grade next to building (HAG)		<u>2.9</u> 3.5	⊠ feet ⊠ feet	
h) Lowest adjacent grade at I	owest elevation of deck or stairs, in	cluding structural support	<u>2.7</u>	⊠ feet	
	SECTION D - SURVEYOR	ENGINEER OR ARCH	ITECT CERTIFICAT	ON	
This certification is to be signed a	and sealed by a land surveyor, engi	neer, or architect authorize	ed by law to certify eleva	tion r	······································
understand that any false state	mation on this Certificate represent nent may be punishable by fine or i	ts my best efforts to interpi imprisonment under 18 I I	et the data available, S. Code, Section 1001		
Check here if comments are	provided on back of form. We	ere latitude and longitude i	n Section A provided by	a	30 A 10
Check here if attachments.	lice	ensed land surveyor?	Yes 🗌 No		SEAL
ertifier's Name David Rawley		License Num	ber 5852		HERE
itle Assistant V.P.	Company Name ZNS	Engineering, LC			
ddress 201 5th Avenuje Drive	East City Bradenton	State FI	7IP Code 34208	⁵	Vil Rowley
Signature Dil Ra	ula Date 12/30/2015	Telephone	241 749 0000		P.S.M. #5852 12/30/15
	The second second	reichnotie a	2-1 1-1 40-0V0U	1	

ELEVATION CERTIFICATE, page 2

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IMPLOR LANI I: In these spaces, copy the corresponding information from Section A. FOR INSURANCE COMPANY USE Pipe Lingbook Drive Norh. Pole Number: Company NACE Number: Pipe Lingbook Drive Norh. State FL ZIP Code 34228 Company NACE Number: Pipe Lingbook Drive Norh. SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED) Company NACE Number: Comments. C.z. Exection on orbit side orbiting elevation 12.73. Wate heads is at elevated AC pain on orbit side orbiting elevation 12.73. Wate heads in at elevate AC paints at 250 equare inches to 2250 equare inches per attached document Section A. and A (without BFE). Segnature Date 1230/2015 SECTION F - BULDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE). For Zones AO and A (without BFE), complete tems E1-E5. If the Contribute to inches on a bolve or below the highest adjacent and provide in formation for finduling basemant, convegoe, or endocurp is implete the divers of a document is above or Delow the highest adjacent and yor or bolom for finduling basemant, convegoe, or endocurp is implete the divers of a document is ALB. 21. Provide diversion for finduling basemant, convegoe, or endocurp is implete the AG. Die or bolow the HAG. 23. To dotion foor finduling basemant, convegoe, or endocurp is implete the diversion of the HAG. Die or bolow the HAG. 25. To net AG angle of the bidding is a docume		ugo z			
Building Street Address (induding Apt., Unit, Suite, and/or Bidg, No.) of P.O. Route and Box No. Policy Number: (By Longboat Key State FL ZIP Code 94228 Company NuC Number: (By Longboat Key State FL ZIP Code 94228 Company NuC Number: (Dery both aldes of this Bawation Cartificate for (1) community official, (2) havance agent/company, and (3) building owns. Comments CAR. Comments CAR. Elevation AC and factor for (1) for (1) havance agent/company, and (3) building owns. Comments CAR. Elevation AC and Cartificate for (1) community official, (2) havance agent/company, and (3) building owns. Signature Comments CAR. Elevation Information for B vents at 250 square inches per attached document Signature Company Bawation Date 12/30/2015 Section FL-4, use natural grade, finavaliable, finavance agency finavance and the origon of the bidding and finavance and the origon of the bidding and finavance agency finavance and the origon of the bidding and finavance agency finavance and the origon and the finavance agency finavance and the origon	IMPORIANI: In these spaces,	copy the corresponding information fro	om Section A.	FOR	INSURANCE COMPANY USE
By Langboat Key Sate FL 2/P Code 94228 Company NAIC Number Section D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED) Comments C2x Elevated AC pad on north date of building elevation 12.73. Water heater is at elevation 13630 Building ise antirely is Flood Zone AE (et. 10) Used maintum flow for S varies at 20 equars inches is 2250 square inches par stached document Signature Section E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE) For Zones AO and A (without BFE), complete tems E1-E5. If the Certificate is intended to support a LOMA or LOMF F request, complete Sections A, B, and C, For tame E1-E4, use intumit grade, if available. Check the measurement used. In Parto Rio only, enter maters. For Zones AO and A (without BFE), complete tems E1-E5. If the Certificate is intended to support a LOMA or LOMF F request, complete Sections A, B, and C, For tame E1-E4, use intumit grade, if available. Check the intervention back to obvir the highest adjacent as 1000 or 0 loaker to bLAG. For Obtain foor (including basement, crawlapse, or encloaurup is	Building Street Address (Including Ap 7089 Longboat Drive North	t., Unit, Suite, and/or Bldg. No.) or P.O. Route a	and Box No.	Polic	y Number:
SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED) Copy both sides of this Elevation Carificate for (1) community official, (2) neurance agent/company, and (3) building owner. Comments C2: Elevated AC paid on north side of building elevation 1273. Tablements C2: Elevated AC paid on north side of building elevation 1273. Signiture CD-BULDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AC AND ZONE A (WITHOUT BFE). For Zones AO and A (without BFE), complete times E1=5. If the Certificate interdad to support a LOMA or LOMKF request, complete Sections A, B, and C, For terms E1=54, use natural grade, if available. Check the measurement used. In Parto Rice only, enter meters. For Zones AO and A (without BFE), complete times E1=5. If the Certificate in infordad to a support a LOMA or LOMKF request, complete Sections A, B, and C, For terms E1=54, use natural grade, if available. Check the measurement used. In Parto Rice only, enter meters. For Zones AO and A (without BFE), complete times E1=5. If the Certificate in infordad to a subport a LOMA or LOMKF request, complete Sections A, B, and C, For terms E1=54, use natural grade, if available. Check the measurement used. In Parto Rice only, enter meters. For Zones AO and A (without BFE), complete times (LAG). A) Top of balation fool (including of the building is impleted to a subport a LOMA or LOMKF request, complete Sections A, B, and C, For terms E1=54, use or labor the LAG. For Poulding Diagrams 64 with permanent flood openings provided in Section A. Start AD ond y Linkown. The load differ intru cartrip is allow to a LAG. For AD and y: If no flood dight number is available, is the top of the building is elevated in accordance with the community-tissued BFE). For Xone AD and y: If no flood dight number is available, is the top of the building is a load or Community flood dight numbers available. Since the or develop is accord and with the tormunity's flood dish in management undenses. Betroin O marking and the addight of t	ity Longboat Key	State FL	ZIP Code 34228	Com	pany NAIC Number
Copy both aldes of this Elevation Cardificate for (1) community official, (2) heurance agent/company, and (3) building owner. Water heater is at elevation 13:50 Building lies and on orth side of building elevation 12:73. Building lies and on the side of building elevation 12:73. Signature Date 12:30/2015 SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE) For Zones AO and A (without BFE), complete liens E1-E5. If the Cardificate is interded to support a LOMA or LOMA's Fequeets complete Sections A. B. and C. For times 16-E4. Use naturalizations. If the following and check the agency that Rock on whether the alevation is above or block the HAG. b) To of battom foor (foculting basement, crawlappec, or andoxing) is	SECTION	D - SURVEYOR, ENGINEER, OR ARC	HITECT CERTIFIC	ATION (CONTI	NUED)
Comments C2: Elevated AC pad on north side of building elevation 12.73. Water baster is detexation 13:20 square inches is 2250 square inches per attached document Signiture Dede machinum for 69 of venice 12:20 square inches is 2250 square inches per attached document Signiture Dede machinum for 69 of venice 12:20 square inches is 2250 square inches per attached document Signiture Dede machinum for 69 of venice 12:20 square inches is 2250 square inches per attached document Signiture Dede machinum for 69 of venice 12:20 square inches is 2250 square inches per attached document Signiture Dede machinum for 69 of venice 12:20 square inches is 2250 square inches per attached document Signiture Ded machinum for 69 of venice 12:20 square inches is 2250 square inches per attached document Signiture Ded machinum for 69 of venice 12:00 square inches is 2250 square inches per attached document prode (IAQ) and the lowest atguoont grade (LAQ). The for them E1-E5, if the Cartificate is intended to support a LOMA or LOMR-F request, complete Sections A, a and C, For them E1-E5, use natural grade, if available. Check the measurement used, in Puetro Rice only, enter meters. Ded to the highest adjacent grade (IAQ) and the lowest adjacent grade (LAQ). The provide biotism for (Cincluding bassemet, crewskippee, or endocurity is D Top of brows to HoQ. Ded to the LAQ. Des to the diagram of the building is	Copy both sides of this Elevation Cert	ifficate for (1) community official, (2) insurance	agent/company, and (3) building owner.	
Signature Date 12302015 Section E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AQ AND ZONE A (WITHOUT BFE) For Zones A0 and A (without BFE), complete Items E1–E5. If the Certificate is interded to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, If available. Check the measurement used. In Pueto Rice only, enter meters. E1. Provide elevation information for the following and check the apportate boxes to show whether the elevation is above or below the highest adjacent grade (IAG), and the lowest adjacent grade (IAG). a) Top of bottom floor (Including basement, cravelspace, or endosure) is	Comments C2.e: Elevated A/C pad Water heater is at elevation 13.50' Building lies entirely in Flood Zone Used maximum flow for 9 vents at	on north side of building elevation 12.73. AE (el. 10) 250 square Inches is 2250 square inches per a	ttached document		
SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE). For Zones AO and A (without BFE), complete items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A. B, and C. For Items E1–E5. (With Certificate is intended to support a LOMA or LOMR-F request, complete Sections A. B, and C. For Items E1–E5. (With Certificate is intended to support a LOMA or LOMR-F request, complete Sections A. B, and C. For Items E1–E5. (With Certificate is intended to support a LOMA or LOMR-F request, complete Sections A. B, and C. For Items E1–E5. (With Certificate is intended to support a LOMA or LOMR-F request, complete Sections A. B, and E for I meters a bore or D below the HAG. E1. Provide alevation information ing basement, cransmission or on concurring in first meters above or D below the HAG. E2. For Building Diagrams 6-9 with permanent flood openings provided the Saction A Items 8 and/ors (regrams E-0 above or D below the HAG. E3. Attached parage (too of slab) is meters above or below the HAG. E4. Top of plasmont of and/or exprement serviding the building is meters above or below the HAG. E5. Zone AO only. If no flood depth number is available, is the top of the bolion floor devated in accordance with the community floodplain management ordinance? Yes No Unknown. The tocal afficial must cardity this information in Section S. A. B, and E are correct to be best of my knowledge. Ørder S City State ZIP Code Signature Date Telephone Contex there flastiadment Order of musting and thorized	Signature Did Ran	-ley Da	te 12/30/2015		
For Zones AO and A (without BFE), complete items E1–E5. If the Certificate is intended to support a LOMA or LOMA-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters. E1. Provide evention information for the following and check the appropriate boxes to show which the elevation is above or bladow the hAG. a) Top of bottom for (including basement, crawsipace, or enclosure) is	SECTION E - BUILDING ELE	VATION INFORMATION (SURVEY NOT	REQUIRED) FOR	ZONE AO AND	ZONE A (WITHOUT BFE)
b) Top of bottom floor (hubbling basement, drawspace, or endoaure) is	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 a) Top of bottom floor (including	omplete Items E1–E5. If the Certificate is inten grade, if available. Check the measurement us r the following and check the appropriate boxes acent grade (LAG).	ded to support a LOM ed. In Puerto Rico oni to show whether the	A or LOMR-F req y, enter meters. elevation is above	uest, complete Sections A, B,
E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G. SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) are AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge. perty Owner's or Owner's authorized Representative's Name Address City State ZIP Code Signature Date Telephone Comments SECTION G - COMMUNITY INFORMATION (OPTIONAL) The information (Indicate the source and date of the elevation data interes a below,) SECTION G - COMMUNITY INFORMATION (OPTIONAL) 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 or ordinance to administer the community's floodplain management provide and sealed by a licensed surveyor, engineer, or architect who is authorized by law to entify elevation information. (Indicate the source and date of the elevation data in the Comments area below.) A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO. A community official completed Section C is a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO. G4. Permit Number G5. Date Permit issued G6. Date Certificate Of Compliance/Occupancy issued 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 The following information (Items G4-G10) is provided for community floodplain management purposes. G4. Permit Number G6. Date Permit issued G6. Date Certificate Of Co	 b) Top of bottom floor (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 and 	basement, crawispace, or enclosure) is basement, crawispace, or enclosure) is permanent flood openings provided in Section of the building is [] feet [] feet [] meters [] abo d/or equipment servicing the building is	A Items 8 and/or 9 (so meters above or ove or below the feet [feet] n	☐ meters [] abo ☐ meters ☐ abo ae pages 8–9 of ir ☐ below the HA HAG. aeters ☐ above o	ve or i below the HAG. ve or i below the LAG. Istructions), the next higher floor G. r i below the HAG.
SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) > perty Owner's or Owner's Authorized Representative's Name Address City Signature Date Comments Check here if attachment SECTION G - COMMUNITY INFORMATION (OPTIONAL) Etheok here if attachment SECTION G - COMMUNITY INFORMATION (OPTIONAL) Etheok here if attachment Section of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items 68–610. In Puerto Rizo only, enter meters. 11 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 or ordinance to a dininister the community floodplain management ordinance area below.) 22 A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO. 33 The following information (items G4-G10) is provided for community floodplain management ordinance.) 34 Permit Number G6. Date Permit issued G6. Date Certificate Of Compliance/Occupancy issued 35 The following information (items G4-G10) is provided for community floodplain management purposes. G4. Date Certificate Of Compliance/	E5. Zone AO only: If no flood depth	number is available, is the top of the bottom flo	or elevated in accord	ance with the con	munity's floodplain management
The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge. Jerty Owner's or Owner's Authorized Representative's Name Address City State ZIP Code Signature Date Telephone Comments SECTION G - COMMUNITY INFORMATION (OPTIONAL) he local official who is authorized by law or ordinance to administer the community's floadplain management ordinance can complete Sections A, B, C (or E), and C this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8-G10. In Pueto Rico only, enter meters. Comments SECTION G - COMMUNITY INFORMATION (OPTIONAL) he local official who is authorized by law or ordinance to administer the community's floadplain management ordinance can complete Sections A, B, C (or E), and C this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8-G10. In Pueto Rico only, enter meters. C Comments SECTION G - COMMUNITY INFORMATION (OPTIONAL) He local official who is authorized by law or ordinance to administer the community's floadplain management ordinance can complete Sections A, B, C (or E), and C this Elevation Certificate. Complete descions I (include the source and date of the elevation data in the Comments area below.) C C A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO. C C A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO. C C A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO. C C A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO. C C A community official com	SECTION		S DEDDESENTATI		
Address City State ZiP Code Signature Date Telephone Comments City State ZiP Code Signature Date Telephone Comments Comments SECTION G - COMMUNITY INFORMATION (OPTIONAL) Telephone SECTION G - COMMUNITY INFORMATION (OPTIONAL) Telephone SECTION G - COMMUNITY INFORMATION (OPTIONAL) The information in Section C was taken from other documentation that has been signed and sead by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation date in the commently elevation field who is authorized be taken from other documentation that has been signed and seaded by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.) A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO. A community official completed Section E for a building located in Zone A (without a FEMA-issued or Compliance/Occupancy Issued A community official completed Section E for a building located in Zone A (without a FEMA-issued or Compliance/Occupancy Issued A community official completed Section E for a building located in Zone A (without a FEMA-issued or Compliance/Occupancy Issued A community official completed Section E for a building located in Zone A (without a FEMA-issued or Compliance/Occupancy Issued A community official completed Section E for a building located in Zone A (without a FEMA-issued or Compliance/Occupancy Issued A community official completed Section E for a building located in Zone A (without a FEMA-issued or Compliance/Occupancy Issued For (in Zone AO) depth of flooding at the building site:	The property owner or owner's authori	zed representative who completes Sections A,	B. and E for Zone A (without a FEMA-is	sued or community-issued BEE)
Address City State ZIP Code Signature Date Telephone Comments	or Zone AO must sign here. The stater	nents in Sections A, B, and E are correct to the	best of my knowledg	θ.	
Address City State ZIP Code Signature Date Telephone Comments	perty Owner's or Owner's Authorize	ad Representative's Name			
Signature Date Talaphone Comments	Address	City		State	ZIP Code
Comments Check here if attachment 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. 31. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.) 32. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO. 33. The following information (items 64-G10) is provided for community floodplain management purposes. G4. Permit Number G6. Date Permit Issued G6. Date Certificate Of Compliance/Occupancy Issued 36. This permit has been issued for: New Construction Substantial Improvement 37. This permit has been issued for: New Construction G4. Date meters Datum 38. Elevation of as-built lowest flood (including basement) of the building:	Signature	Date		Telephone	999 (1999) (1999) (1997
Check here if attachment 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 dificial 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 d1 The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation Information. (Indicate the source and date of the elevation data in the Comments area below.) 32. A community official completed Section E for a building located in Zone A (without a FEMA-Issued or community-issued BFE) or Zone AO. 33. The following information (items G4–G10) is provided for community floodplain management purposes. G4. Permit Number G6. Date Permit issued G6. Date Certificate Of Compliance/Occupancy issued 37. This permit has been issued for: New Construction Substantial Improvement 38. Elevation of as-built lowest floor (including basement) of the building:	Comments			T T STRATE ALL LAND	
SECTION G - COMMUNITY INFORMATION (OPTIONAL) he 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 C if this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items C8–C10. In Puerto Rico only, enter meters. 21. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.) 22. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO. 33. The following information (Items C4–G10) is provided for community floodplain management purposes. G4. Permit Number G6. Date Permit issued G6. Date Certificate Of Compliance/Occupancy Issued 77. This permit has been issued for: New Construction Substantial Improvement 88. Elevation of as-built lowest floor (including basement) of the building:					
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Local Official's Name Title RECEIVED Community Name Telephone IAN 0 5 2016 Instance Date IAN 0 5 2016 Imments IOWN OF LONGBOAT KEY IOWN OF LONGBOAT KEY	10. Community's design flood elevation	itt	feet 🔲 m	neters Datu	m m
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				vi	ning Zoning and Building

8

ELEVATION CERTIFICATE, page 3

Building Photographs

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding	FOR INSURANCE COMPANY USE		
villding Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 89 Longboat Drive North			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

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JAN 0 5 2016

TOWN OF LONGBOAT KEY Planning, Zoning and Building

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

Replaces all previous editions.

ELEVATION CERTIFICATE, page 4

Building Photographs

Continuation Page

IMPORTANT: In these spaces, copy the correspond	FOR INSURANCE COMPANY USE			
Building Street Address (including Apt., Unit, Suite, and/or Bldg 289 Longboat Drive North	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." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.



REAR VIEW

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JAN 06 2016

WN OF LONGBOAT KEY

Replaces all previous editions.



ICC-ES Evaluation Report

Most Widely Accepted and Trusted

ESR-2074* Reissued February 2015 This report is subject to renewal February 2017.

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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)
- E 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 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

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FIGURE 1-SMART VENT: MODEL 1540-510



FIGURE 2-SMART VENT MODEL 1540-520



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



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ESR-2074 FBC Supplement*

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

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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 2015 and revised July 2015.

*Revised July 2015

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