P# 14 115704 00 B1

OMB Control Number: 1660-0008 Expiration: 11/30/2018

#### DEPARTMENT OF HOMELAND SECURITY

# Federal Emergency Management Agency ELEVATION CERTIFICATE

**IMPORTANT: FOLLOW THE INSTRUCTIONS ON PAGES 9-16** 

b) Number of permanent flood openings in the craw/space or enclosure(s) within 1.0 foot above adjacent grade  c) Total net area of flood openings in A8.b 2000 sq in c) Total net area of flood openings in A8.b N/A sq d) Engineered flood openings in A8.b N/A sq d) Engineered flood openings?  O'Yes  No d) Engineered flood openings?  O'Yes  No SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION  B1. NIFIP Community 125144  B4. Map/Panel Number  B5. Suffix  B6. FIRM Index Date  B7. FIRM Panel Effective/ Revised Date  OB/03/1992  AE  B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:  OFIS Profile  FIRM Ocommunity Determined  Other/Source:  B11. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:  OFIS Profile  FIRM Ocommunity Determined  Other/Source:  B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?  O'Yes  O'No Designation Date: N/A  OCBRS  OPA  SECTION C - Building ELEVATION INFORMATION (SURVEY REQUIRED)  C1. Building elevations are based on:  O'Construction Date Indicate elevation certificate will be required when construction of the Image.  An ARA, ARAE, ARAI - A30, ARAH, ARAO. Complete Items C2.a - helow according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.  A new Elevation Certificate will be required when construction of the BFE.  Check the measurement used for building elevations must be the same as that used for the BFE.  Check the measurement used in 2 por 10 button floor (including basement, crawispace, or enclosure floor)	Copy all pages of this Elev						official, (2) in	nsuran				r.
R.P. LIORTON, Inc.   Policy Number:	At Dullating Ownerle N		1 - PROPERTY	/ INFOR	MATR	ON			FORM INSUR-	ANCE COIVIE	ANY USE	
A2. Building Street Address (including Apt., Unit, Suite, end/or Bidg. No.) or P.O. Route and Building Apt., Unit, Suite, end/or Bidg. No.) or P.O. Route and Building Apt., Unit, Suite, end/or Bidg. No.) or P.O. Route and Building Apt., Unit, Suite, end/or P.O. Route and Building Apt. (Apr.) and Apr. Apr. (Apr.) and Apr.) and Apr. (Apr.) and Apr.) and Apr. (Apr.) and Apr. (Apr.) and Apr. (Apr.)		ame							Policy Number	:		
State   Floride   Zip Code 34242	A2. Building Street Add	iress (includir	ng Apt., Unit, S	luite, and/	/or Bld	g. No.) or i	P.O. Route a	and		3		
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)  Lot 12, Block B, Mira Mar Subdivision per Plat Book 4, Page 185  A4. Building Use (a.g. Rasidential Non-Residential Addition, Accessory, etc.)  A5. Latitude/Longitude: Lat. 27°14′08.7°N  Long. 82°31′22.7°W Horizontal Datum:  ONAD 1927  ONAD 1923  A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.  A7. Building Date with a crawlapace or enclosure(s):  a) Square footage of crawlapace or enclosure(s):  a) Square footage of crawlapace or enclosure(s):  a) Square footage of crawlapace or enclosure(s):  b) Number of permanent flood openings in the crawlapace or enclosure(s) within 1.0 foot above adjacent grade  c) Total net area of flood openings in A8.b  c) Engineered flood openings in A8.b  2000  aq in c) Total net area of flood openings in A8.b  y) Engineered flood openings in A8.b  A6. Mapi/Panel Number   85. Suffix   86. FIRM Index Date   87. FIRM Panel Effoctive   88. Flood Zone(s)   83. State   Florida  B1. NFIP Community Name & Community Number   82. County Name   83. State   Florida  B4. Mapi/Panel Number   85. Suffix   86. FIRM Index Date   87. FIRM Panel Effoctive   88. Flood Zone(s)   89. Base Flood Glevation(s)   Cone AQ. use base flood depth entered in Item B9:  OFIS Profile   OFIRM   Ocmmunity Detarmined   Other/Source:  B11. Indicate elevation datum used for BFE in Item B9:   ONGVD 1929   ONAVD 1988   Other/Source:  B12. Is the building elevation as based on:   Oceanstruction Drawlings'   Osluding under Construction   Ofision Annum Panel P	8008 Midnight Pass R	toad							Number.			
Lot 12, Block B, Mira Mar Subdivision per Plat Book 4, Page 185  A8. Building Use (e.g., Realdential, Non-Residential, Addition, Accessory, etc.)  Realdential  A5. LatifuderLongitude: Latt. 27*41408,7*N  Long. 82*31*22,7*W  Horizontal Datum:  ONAD 1927  ONAD 1923  A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.  A7. Building Diagram Number  A8. For a building with a crawlspace or enclosure(s):  a) Square footage of crawlspace or enclosure(s):  A9. For a building with an attached garage.  a) Square footage of develope of crawlspace or enclosure(s):  b) Number of permanent flood openings in the billion of permanent flood openings in the developed of developed edicent grade of the developed openings in the developed of developed edicent grade of the developed openings in A8.b  O Total net area of flood openings in A8.b  2000  aq in c) Total net area of flood openings in A8.b  SECTION B - FLOOD INSURANCE RATE MAP (FRM) INFORMATION  B1. NFIP Community Name & Community Number  SECTION B - FLOOD INSURANCE RATE MAP (FRM) INFORMATION  B1. NFIP Community Name & Community Number  B2. County Name  SECTION B - FLOOD INSURANCE RATE MAP (FRM) INFORMATION  B1. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in item B9:  OFIS Profile OFIRM O Community Determined O Other/Source:  B12. Is the building located in a Coastal Barrier Resources System (CBRS) ONAVD 1988 Other/Source:  B12. Is the building located in a Coastal Barrier Resources System (CBRS) on area or Otherwise Protected Area (OPA)? Oyes ON Oestgnation Date: N/A  OCBRS OPA  SECTION C - Building Elevation (BFE), VE, V1 - V30, V (with BFE), AR, ARIA, ARI	City Sarasota						State	Florid	la	Zip Code	34242	
A5. Latitude/Longitude: Lat. 27*14'08.7'N		-				_	I Description	n, etc.)	1			
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.  A7. Building Diagram Number 7  A8. For a building with a crawlspace or enclosure(s):  a) Square footage of crawlspace or enclosure(s) 1478  b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot 10  c) Total net area of flood openings in A8.b 2000  aq in c) Total net area of flood openings in A8.b 2000  d) Engineered flood openings in A8.b 2000  aq in c) Total net area of flood openings in A8.b N/A sq (d) Engineered flood openings in A8.b N/A sq (d) Engineered flood openings in A8.b N/A sq (d) Engineered flood openings? QYes QNo  SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION  B1. NFIP Community Number  SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION  B1. NFIP Community Number  B2. County Name  Serseota County Serviced Date  B3. State  B4. Map/Panel Number   B5. Suffix   B6. FIRM Index Date   B7. FIRM Panel Effective   Revised Date   B8. Flood Zone(s)   B9. Base Flood Elevation(s) (Zone AO, use base flood depth entered in Ihem B9:  QFIS Profile QFIRM QCommunity Determined Q Other/Source:  B11. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Ihem B9:  QFIS Profile QFIRM QCommunity Determined Q Other/Source:  B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (QPA)? QYes QNo Designation Date: N/A  QCBRS QPA  SECTION 6 - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)  C1. Building elevations are based on: Qconstruction Drawings* QBuilding Under Construction* QFinished Construction C2. Elevations - Zones A1 - ASQ, AE, AH, A (with BFE), VE, V1 - V3Q, V (with BFE), AR, AR/A, AR/AE, AR/A1-ASQ, AR/AH, AR/AO. Omplete Image C2 a- h below according to the building diagram specified in Image A1. In Puerto Rico only, enter meters.  A new Elevation Certificate will be required when construction of the building elevations in Items a) through h) below. Q NGVD 1929 QNAVD	A4. Building Use (e.g.,	Residential, N					-					
A7. Building Diagram Number 7 A8. For a building with a crawlapace or enclosure(s):  a) Square footage of crawlapace or enclosure(s) 1478  b) Number of permanent flood openings in the crawlapace or enclosure(s) within 1.0 foot above adjacent grade  b) Number of permanent flood openings in the crawlapace or enclosure(s) within 1.0 foot in the attached garage within 1.0 foot above adjacent grade  c) Total net area of flood openings in A8.b 2000 aq in c) Total net area of flood openings in A8.b N/A aq d) Engineered flood openings in A8.b N/A aq d) Engineered flood openings in A8.b N/A aq d) Engineered flood openings? QYes QNo QNO d) Engineered flood openings? QYes QNo QNO d) Engineered flood openings? QNO QNO D) Engineered flood openings in A8.b N/A QNO QNO D) Engineered flood openings in A8.b N/A QNO QNO D) Engineered flood openings in A8.b N/A QNO QNO D) Engineered flood openings in A8.b N/A QNO QNO D) Engineered flood openings in A8.b N/A QNO QNO D) Engineered flood openings in A8.b N/A QNO QNO D) Engineered flood QNO QNO QNO D) Engineered flood QNO QNO QNO QNO D) Eng	A5. Latitude/Longitude:	. Lat. 27°14"	'06.7"N	Long. 82°	31'22	7"W Horiz	zontal Datun	n: (	ONAD 1927	<b>⊙</b> NAD 19	183	
A8. For a building with a crawispace or enclosure(s): a) Square footage of crawispace or enclosure(s) 1478 aq ft a) Square footage of attached garage: b) Number of permanent flood openings in the crawispace or enclosure(s) within 1.0 foot above adjacent grade c) Total net area of flood openings in A8.b 2000 aq in c) Total net area of flood openings in A8.b 2000 aq in c) Total net area of flood openings in A8.b 2000 aq in c) Total net area of flood openings in A8.b N/A aq d) Engineered flood openings in A8.b 2000 aq in c) Total net area of flood openings in A8.b N/A aq d) Engineered flood openings in A8.b 2000 aq in c) Total net area of flood openings in A8.b N/A aq d) Engineered flood openings in A8.b N/A appears in A8.b	A6. Attach at least 2 ph	otographs of	the building if	the Certifi	icate is	s being use	ed to obtain f	flood i	insurance.			
a) Square footage of crawkspace or enclosure(s) 1478 sq ft a) Square footage of attached garage N/A sq b) Number of permanent flood openings in the crawkspace or enclosure(s) within 1.0 foot above adjacent grade 10 sq and in the attached garage within 1.0 foot above adjacent grade 10 sq and in c) Total net area of flood openings in A8.b 2000 sq in c) Total net area of flood openings in A8.b 2000 sq in c) Total net area of flood openings in A8.b N/A sq d) Engineered flood openings?	A7. Building Diagram N	lumber 7			-							
b) Number of permanent flood openings in the crawlspace or enclosure(e) within 1.0 foot above adjacent grade  c) Total net area of flood openings in A8.b 2000 sq in c) Total net area of flood openings in A8.b N/A sq d) Engineered flood openings?  O'ves  No	A8. For a building with a	a crawispace	or enclosure(s	3):		_	A9. For a	buildin	ng with an attach	ed garage:		
crawlapace or enclosure(s) within 1.0 foot above adjacent grade  c) Total net area of flood openings in A8.b. 2000 aq in c) Total net area of flood openings In A9.b. N/A aq d) Engineered flood openings?		•	_ `	3) 1478		_ sq ft					<u>.                                    </u>	sq ft
d) Engineered flood openings?	crawlspace or end	iclosure(s) wit		10		_	in the at	ttached	d garage within <sup>'</sup>	1.0 foot		_
d) Engineered flood openings?	c) Total net area of f	flood opening	gs in A8.b	2000		sq in	c) Total ne	at area	of flood opening	gs in A9.b	N/A	sq in
B1. NFIP Community Name & Community Number Sarasota County 125144  B4. Map/Panel Number B5. Suffix B6. FIRM Index Date B7. FIRM Panel Effective/ Revised Date 06/03/1992  B6. FIRM Index Date B7. FIRM Panel Effective/ Revised Date 06/03/1992  B8. Flood Zone(s) 125144 0207 E E 06/03/1992  B1. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: OFIS Profile OFIRM Ocommunity Determined Other/Source: B11. Indicate elevation datum used for BFE in Item B9: OFIS Profile OFIRM OCOMMUNITY Determined Other/Source: B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? O'Yes ONO Designation Date: N/A OCBRS OOPA  SECTION C - Building ELEVATION INFORMATION (SURVEY REQUIRED) C1. Building elevations are based on: O'Construction Drawings* O'Building Under Construction C2. Elevations - Zones A1 - A30, AE, AH, A (with BFE), VE, V1 - V30, V (with BFE), AR, AR/A, AR/AE, AR/A1 - A30, AR/AH, AR/AO. Complete Items C2.a - h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. A new Elevation Cartificate will be required when construction of the building is complete.  Benchmark Utilized: County 110-C El. 5.44  Vertical Datum: 1929  Indicate elevation datum used for the elevations in items a) through h) below. ONGVD 1929 ONAVD 1988 OOther/Source:  Datum used for building elevations must be the same as that used for the BFE. Check the measurement used on the lowest horizontal structural member (V Zones only) N/A - Ofeet Ometers D Top of the next higher floor D Hottom floor (including basement, crawlspace, or enclosure floor) C9 Bottom of the lowest horizontal structural member (V Zones only) N/A - Ofeet Ometers D Top of the next higher floor C9 Bottom of the lowest horizontal structural member (V Zones only) N/A - Ofeet Ometers D Hughest adjacent (finished) grade next to building (LAG) D Get Ometers D Lowest adjacent (finished) grade next to building (LAG) D Get Ometers	d) Engineered flood	d openings?	<b>⊙</b> Yes	ON₀		_	d) Engine	ered fl	lood openings?	OYes	⊙No	_
Sarasota County 125144  B4. Map/Panel Number   B5. Suffix   B8. FIRM Index Date   B7. FIRM Panel Effective/ Revised Date   B9. Base Flood Elevation(s) (2one AO, use base flood depth   11  B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:  OFIS Profile   OFIRM   Community Determined   Other/Source:  B11. Indicate elevation daturn used for BFE in Item B9:   ONGVD 1929   ONAVD 1988   Other/Source:  B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?   Oyes   ONO Designation Date: N/A   OCBRS   OPA    SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)  C1. Building elevations are based on:   Oconstruction Drawings*   OBuilding Under Construction   OFinished Construction   Ozonplete Items C2.a - he below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.  A new Elevation Certificate will be required when construction of the building is complete.  Benchmark Utilized:   County 110-C El. 5.44   Vertical Datum: 1929   ONAVD 1988   Other/Source:  Datum used for building elevations must be the same as that used for the BFE.   Check the measurement used on the lowest horizontal structural member (V Zones only)   N/A   Ofeet   Ometers   Display to the lowest horizontal structural member (V Zones only)   N/A   Ofeet   Ometers   Display to the lowest horizontal structural member (V Zones only)   N/A   Ofeet   Ometers   Display to the lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)   Display to the lowest elevation of deck or stairs, including   Ofeet   Ometers   Display to the lowest adjacent (finished) grade next to building (HAG)   Display to the lowest adjacent (finished) grade next to building (HAG)   Display to the lowest adjacent grade at lowest elevation of deck or stairs, including   Other to the lowest adjacent grade at lowest elevation of deck or stairs, including   Other to the low					SURAI	NCE RATE						
B4. Map/Panel Number   B5. Suffix   B6. FIRM Index Date   B7. FIRM Panel Effective/ Revised Date   B8. Flood Zone(s)   B9. Base Flood Elevation(s) (Zone AO, use base flood epth   11   12   12   12   14   14   14   15   14   15   15   15		lame & Comn				B2. Count	ty Name					
Revised Date    125144 0207 E   E   09/03/1992   AE   (Zone AO, use base flood depth   11	•	,	Teo SIRM Inc	For Date	197			150	First Zono(e)	P EI	J	-/-)
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:    FIS Profile   FIRM   Community Determined   Other/Source:						Revised Da	ate	Bo.		(Zone A	O, use base	
OFIS Profile OFIRM Ocommunity Determined Other/Source:  B11. Indicate elevation datum used for BFE in Item B9:  ONGVD 1929 ONAVD 1988 Other/Source:  B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?  OYes ONo Designation Date: N/A OCBRS OOPA  SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)  C1. Building elevations are based on:  OConstruction Drawings* OBuilding Under Construction* OFinished Construction C2. Elevations - Zones A1 - A30, AE, AH, A (with BFE), VE, V1 - V30, V (with BFE), AR, AR/A, AR/AE, AR/A1 - A30, AR/AH, AR/AO. Complete Items C2.a - h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.  A new Elevation Certificate will be required when construction of the building is complete.  Benchmark Utilized: County 110-C EI. 5.44 Vertical Datum: 1929  Indicate elevation datum used for the elevations in items a) through h) below.  ONGVD 1929 ONAVD 1988  Other/Source:  Datum used for building elevations must be the same as that used for the BFE. Check the measurement used a) Top of bottom floor (including basement, crawlspace, or enclosure floor)  6	125144 0207 🗅	<u> </u>	08/03/14	J92 ———		U9/U3r i	992	<u> </u>	AE	w	11	
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?  OYes  ONo  Designation Date: N/A  OCBRS OPA  SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)  C1. Building elevations are based on:  Construction Drawings*  OBuilding Under Construction*  OFinished Construction  C2. Elevations - Zones A1 - A30, AE, AH, A (with BFE), VE, V1 - V30, V (with BFE), AR, AR/A, AR/AE, AR/A1 - A30, AR/AH, AR/AO.  Complete Items C2.a - h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.  A new Elevation Certificate will be required when construction of the building is complete.  Benchmark Utilized: County 110-C El. 5.44  Vertical Datum: 1929  Indicate elevation datum used for the elevations in items a) through h) below.  ONGVD 1929 ONAVD 1988  OOther/Source:  Datum used for building elevations must be the same as that used for the BFE.  Check the measurement used a) Top of bottom floor (including basement, crawispace, or enclosure floor)	OFIS Profile OF	FIRM OCom	nmunity Determ	mined O	Other/	/Source:						
SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)  C1. Building elevations are based on: Oconstruction Drawings* OBuilding Under Construction* OFinished Construction  C2. Elevations - Zones A1 - A30, AE, AH, A (with BFE), VE, V1 - V30, V (with BFE), AR, AR/A, AR/AE, AR/A1 - A30, AR/AH, AR/AO.  Complete Items C2.a -h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.  A new Elevation Certificate will be required when construction of the building is complete.  Benchmark Utilized: County 110-C El. 5.44 Vertical Datum: 1929  Indicate elevation datum used for the elevations in items a) through h) below. ORVD 1929 NAVD 1988  Other/Source:  Datum used for building elevations must be the same as that used for the BFE. Check the measurement used at Top of bottom floor (including basement, crawispace, or enclosure floor)  Bottom of the lowest horizontal structural member (V Zones only)  Attached garage (top of slab)  C16 - 6 Ofeet Ometers  C16 Ometers  C17 - 6 Ofeet Ometers  C18 Offeet Ometers  C19 Offeet Ometers  C19 Offeet Ometers  C19 Offeet Ometers  C10 Offeet Ometers  C10 Offeet Ometers  C10 Offeet Ometers  C11 Offeet Ometers  C11 Offeet Ometers  C12 Offeet Ometers  C13 Offeet Ometers  C19 Offeet Ometers  C10 Offeet Ometers  C11 Offeet Ometers  C11 Offeet Ometers  C12 Offeet Ometers  C13 Offeet Ometers  C14 Offeet Ometers  C15 Offeet Ometers  C16 Offeet Ometers  C17 Offeet Ometers  C18 Offeet Ometers  C19 Offeet Ometers  C10 Offeet Ometers	B12. Is the building locate		stal Barrier Reso	sources Sy	ystem (	(CBRS) an		_		OPA)? OY	/es ⊙N	lo
C1. Building elevations are based on:  Construction Drawings*  Building Under Construction*  Finished Construction  C2. Elevations - Zones A1 - A30, AE, AH, A (with BFE), VE, V1 - V30, V (with BFE), AR, AR/A, AR/AE, AR/A1 - A30, AR/AH, AR/AO.  Complete Items C2.a -h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.  *A new Elevation Certificate will be required when construction of the building is complete.  Benchmark Utilized:  County 110-C EI. 5.44		SECT					RMATION (S	SURVI	EY REQUIRED)			
Complete Items C2.a -h below according to the building diagram specified in Item A7. In Puerto Ricco only, enter meters.  A new Elevation Certificate will be required when construction of the building is complete.  Benchmark Utilized: County 110-C EL 5.44		are based on:	: OConstructi	tion Drawin	ings*	OBuild	ding Under C	Constr	ruction* O			
A new Elevation Certificate will be required when construction of the building is complete.  Benchmark Utilized: County 110-C El. 5.44											I, AR/AO.	
Indicate elevation datum used for the elevations in items a) through h) below.   Other/Source:  Datum used for building elevations must be the same as that used for the BFE.  a) Top of bottom floor (including basement, crawlspace, or enclosure floor)  b) Top of the next higher floor  c) Bottom of the lowest horizontal structural member (V Zones only)  d) Attached garage (top of slab)  e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG)  g) Highest adjacent (finished) grade next to building (HAG)  h) Lowest adjacent grade at lowest elevation of deck or stairs, including									• • • • • • • • • • • • • • • • • • • •			
Indicate elevation datum used for the elevations in items a) through h) below.   Other/Source:  Datum used for building elevations must be the same as that used for the BFE.  a) Top of bottom floor (including basement, crawlspace, or enclosure floor)  b) Top of the next higher floor  c) Bottom of the lowest horizontal structural member (V Zones only)  d) Attached garage (top of slab)  e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG)  g) Highest adjacent (finished) grade next to building (HAG)  h) Lowest adjacent grade at lowest elevation of deck or stairs, including	Benchmark Utilized: Co	ounty 110-C E	£l. 5.44			Ver	tical Datum:	192	<u> 1</u> 9			
Datum used for building elevations must be the same as that used for the BFE.  a) Top of bottom floor (including basement, crawispace, or enclosure floor)  b) Top of the next higher floor  c) Bottom of the lowest horizontal structural member (V Zones only)  d) Attached garage (top of slab)  e) Lowest elevation of machinery or equipment servicing the building  (Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG)  g) Highest adjacent (finished) grade a lowest elevation of deck or stairs, including  h) Lowest adjacent grade at lowest elevation of deck or stairs, including		used for the	elevations in it	ems a) th	rough				-			
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)  b) Top of the next higher floor  c) Bottom of the lowest horizontal structural member (V Zones only)  d) Attached garage (top of slab)  e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG)  g) Highest adjacent (finished) grade next to building (HAG)  h) Lowest adjacent grade at lowest elevation of deck or stairs, including		Other	Source:									
b) Top of the next higher floor  c) Bottom of the lowest horizontal structural member (V Zones only)  d) Attached garage (top of slab)  e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG)  g) Highest adjacent (finished) grade next to building (HAG)  h) Lowest adjacent grade at lowest elevation of deck or stairs, including	Datum used for building of	elevations mi	ust be the sam	e as that	used f	or the BFE	<u>L</u>			Check the m	neasuremen	nt used.
c) Bottom of the lowest horizontal structural member (V Zones only)  (Attached garage (top of slab)  (Describe type of equipment and location in Comments)	a) Top of bottom floor (ir	ncluding base	∍ment, crawisp	ace, or er	nclosur	re floor)		_	6	<b>⊙</b> fee'	t Omete	ers
d) Attached garage (top of slab)  e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG)  g) Highest adjacent (finished) grade next to building (HAG)  h) Lowest adjacent grade at lowest elevation of deck or stairs, including	b) Top of the next higher	r floor							1	<b>⊙</b> fee	it Omete	ers
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG)  f) Highest adjacent (finished) grade next to building (HAG)  f) Lowest adjacent (finished) grade next to building (HAG)  f) Lowest adjacent grade at lowest elevation of deck or stairs, including			uctural membe	ır (V Zone	s only	)	N	<u>/A</u> -		Ξ.	_	
(Describe type of equipment and location in Comments)  12 - 9										• feet	t Omete	ers.
g) Highest adjacent (finished) grade next to building (HAG)  6 - 2  feet Ometers  h) Lowest adjacent grade at lowest elevation of deck or stairs, including	•	-		_	buildin	ıg		12 -	9	<b>⊙</b> feet	t Omete	ers
h) Lowest adjacent grade at lowest elevation of deck or stairs, including	f) Lowest adjacent (finis	ihed) grade n	ext to building	(LAG)				5 -	- 6	<b>⊙</b> fee	t Omete	ers
8 - 3 Ofest Owstern	g) Highest adjacent (finis	shed) grade r	next to building	(HAG)				6 -	2	<b>⊙</b> fee	t Omete	ers
		e at lowest el	levation of decl	k or stairs	i, inclu	ding		6 -	3	Ofee	t Omete	ers

# **ELEVATION CERTIFICATE**

OMB Control Number: 1660-0008 Expiration: 11/30/2018

8008 Midnight Pass Road

Sarasota

Florida

34242

SECTION D -	SURVEYOR, ENGINE	ER, OR A	RCHITECT CEI	RTIFICATION
This certification is to be signed and sealed by a				The state of the s
that the information on this Certificate represent				
punishable by fine or imprisonment under 18 U.				This is a second
	Were latitude and lon	gitude in S	Section A	1 37 43 3222
Check here if attachments. (Photo's)	provided by a license	d land sur	veyor?	
(Smart Vents)	<b>⊙</b> Yes			
Certifier's Name	Lice	nse Num	ber	1 3 437 60 4
Ralph J. Rhodes	PS	M 3959		I I A TO THE STATE OF THE STATE
Title	Company Name			
Surveyor	R.J. Rhodes Enginee	ring, Inc.		1000
Address	City	State	Zip Code	
2937 Bee Ridge Road	Sarasota	FI.	34239	19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Signature	Date	Telepho		
Signature	July 18, 2016	941-924		00m 7959
1011		1		P8201313
Copy both sides of this Elevation Certificate for	(1) community official, (	2) insuran	ce agent/compa	any, and (3) building owner.
		-		
Comments (including type of equipment and loc	∠auon, per ∪∠(e), ir app	nicadie)"		
Final Construction, Comments A9(c) and (d) 10	-Engineered vents are	installed.	(10x200=2.000	SI) C2(e) Air Conditioner (Rear-Right Side
(Photo), C2(h) Pool Deck Constructed.		,	,	
1				
D. Not valid without signature and edicinal mis-	ad each of a Destancian-	l Sustant	r and Macas	
D. Not valid without signature and original raise	o scal of a Fiblessions	ıı ourveyo	ани маррег.	
$ \mathcal{A}_{A} $				
11/1/				
7777 3337				
Signature				Date July 18, 2016
SECTION E - BUILDING ELEVATION INF	and the second s			
For Zones AO and A (without BFE), complete Ite Sections A, B,and C. For Items E1 -E4, use natu				
Jections A, B, and C. For items ET-E4, use hate	arai grade, ii avallable.	JIICON UIC	measurement (	ased. If it done those only, enter meters.
E1. Provide elevation information for the following			es to show whe	ther the elevation is above or below the
highest adjacent grade (HAG) and the lowes	st adjacent grade (LAG)	•		
a) Top of bottom floor (including basement,	crawlenace			
or enclosure) is		-	Ofeet Or	meters above or below the HAG.
·				
b) Top of bottom floor (including basement,	crawispace,		Ofeet Or	neters above or below the LAG.
or enclosure) is				
E2. For Building Diagrams 6 -9 with permanent t		l in Sectio		
higher floor (elevation C2.b in the diagrams) of the	ne building is	_ <sup>-</sup> _	Ofeet (	meters above or below the HAG.
E3. Attached garage (top of slab) is		-	Ofeet Or	neters above or below the HAG.
E4. Top of platform of machines, and less equipment			0	_ above or _ bottom and time.
E4. Top of platform of machinery and /or equipm servicing the building is	IBIT	-	Ofeet Or	neters  above or  below the HAG.
E5. Zone AO only: If no flood depth number is a	vailable, is the top of the	e bottom f	loor elevated in	accordance with the community's floodplain
management ordinance? OYes ONo O	Unknown. The local o	fficial mus	t certify this info	ermation in Section G.
SECTION F - PROPE	RTY OWNER (OR OW	NER'S RE	PRESENTATI	VE) CERTIFICATION
The property owner or owner's authorized repres				
community-issued BFE) or Zone AO must sign h		Sections	A, B, and E are	correct to the best of my knowledge.
Property Owner or Owner's Authorized Represe	ntative's Name:			
Address	City		State	ZIP Code
·	•			
Signature	Date		Telephone	)
Comments				
				=
P				
				Check here if attachments.

OMB Control Number: 1660-0008 Expiration: 11/30/2018

PECT	ION C. COMMUNITY INFORM	ATION (OPTIONAL)	· · · · · · · · · · · · · · · · · · ·
The local official who is authorized by law or ordi A, B, C (or E), and G of this Elevation Certificate G10. In Puerto Rico only, enter meters.	ION G - COMMUNITY INFORM inance to administer the communication of the complete the applicable item(s	nity's floodplain mana	gement ordinance can complete Sections eck the measurement used in Items G8 -
G1. The information in Section C was taken or architect who is authorized by law to Comments area below.)			sealed by a licensed surveyor, engineer, date of the elevation data in the
G2. A community official completed Section AO.	n E for a building located in Zone	A (without a FEMA-is	ssued or community-issued BFE) or Zone
G3.  The following information (Items G4 -G	10) is provided for community flo	odplain management	purposes.
G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate	e of Compliance/Occupancy Issued
G7. This permit has been issued for: ONew Co	onstruction OSubstantial Impr	ovement	
G8. Elevation of as-built lowest floor (including both of the building:	pasement)	Ofeet Ometers	Datum
G9. BFE or (in Zone AO) depth of flooding at the site:	building	Ofeet Ometers	Datum
G10. Community's design flood elevation:	-	Ofeet Ometers	Datum
Local Official's Name	Title		
Community Name	Telephon	е	
Signature	Date		
Comments			
Val.			
V			
· ×			
el .			
			20
	· · · · · · · · · · · · · · · · · · ·	181	
			Check here if attachments.

#### **BUILDING PHOTOGRAPHS**

See instructions for Item A6

OMB Control Number: 1660-0008 Expiration: 11/30/2018

IMPORTANT: In these spaces, copy	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt. 8008 Midnight Pass Road	, Unit, Suite, and/or Bldg. No.) or	P.O. Route and Box No	Policy Number:
City	State	Zip Code	Company NAIC
Sarasota	Florida	34242	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.

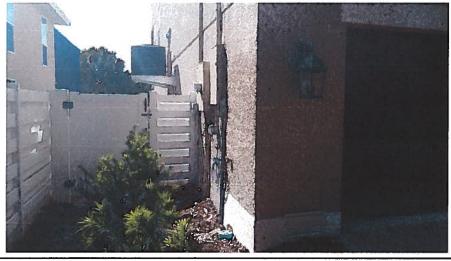




FRONT-RIGHT PHOTO'S TAKEN 02/10/2016



FRONT-LEFT PHOTO'S TAKEN 02/10/2016



# **BUILDING PHOTOGRAPHS**

Continuation Page

OMB Control Number: 1660-0008 Expiration: 11/30/2018

IMPORTANT: In these spaces, copy the corresponding information from Section A. FORM INSURANCE COMPA			
Building Street Address (including Apt., Unit, Suite, and/	or Bldg. No.) or P.O	Route and Box No.	D. W. M. web.
8008 Midnight Pass Road Policy Number:			Policy Number:
City	State	Zip Code	Company NAIC Number:
Sarasota	Florida	34242	

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-PHOTO'S TAKEN 02/10/2016



REAR-RIGHT PHOTO'S TAKEN 02/10/2016



REAR-CENTER PHOTO'S TAKEN 02/10/2016



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# **ICC-ES** Report

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

ESR-2074

Reissued 02/2015 This report is subject to renewal 02/2017.

**DIVISION: 08 00 00—OPENINGS** SECTION: 08 95 43—VENTS/FOUNDATION FLOOD VENTS

## REPORT HOLDER:

# **SMARTVENT PRODUCTS, INC.**

430 ANDBRO DRIVE, UNIT 1 **PITMAN, NEW JERSEY 08071** 

# **EVALUATION SUBJECT:**

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514



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# **ICC-ES Evaluation Report**

**ESR-2074** 

Reissued February 2015 Revised May 2016

This report is subject to renewal February 2017.

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A Subsidiary of the International Code Council®

DIVISION: 08 00 00-OPENINGS

Section: 08 95 43—Vents/Foundation Flood Vents

#### REPORT HOLDER:

SMARTVENT PRODUCTS, INC. 430 ANDBRO DRIVE, UNIT 1 PITMAN, NEW JERSEY 08071 (877) 441-8368 www.smartvent.com info@smartvent.com

#### **EVALUATION SUBJECT:**

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514

#### 1.0 EVALUATION SCOPE

#### Compliance with the following codes:

- 2015, 2012, 2009 and 2006 International Building Code<sup>®</sup> (IBC)
- 2015, 2012, 2009 and 2006 International Residential Code® (IRC)
- 2013 Abu Dhabi International Building Code (ADIBC)<sup>†</sup>

<sup>†</sup>The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

## Properties evaluated:

- Physical operation
- Water flow

#### **2.0 USES**

The Smart Vent<sup>®</sup> units are engineered mechanically operated flood vents (FVs) employed to equalize hydrostatic pressure on walls of enclosures subject to rising or falling flood waters. Certain models also allow natural ventilation.

#### 3.0 DESCRIPTION

#### 3.1 General:

When subjected to rising water, the Smart Vent® FVs internal floats are activated, then pivot open to allow flow in either direction to equalize water level and hydrostatic pressure from one side of the foundation to the other. The FV pivoting door is normally held in the closed position by a buoyant release device. When subjected to rising water, the buoyant release device causes the unit to unlatch.

allowing the door to rotate out of the way and allow flow. The water level stabilizes, equalizing the lateral forces. Each unit is fabricated from stainless steel. Smart Vent® Automatic Foundation Flood Vents are available in various models and sizes as described in Table 1. The SmartVENT® Stacking Model #1540-511 and FloodVENT® Stacking Model #1540-521 units each contain two vertically arranged openings per unit.

## 3.2 Engineered Opening:

The FVs comply with the design principle noted in Section 2.7.2.2 and Section 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)] for a maximum rate of rise and fall of 5.0 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24, Smart Vent FVs must be installed in accordance with Section 4.0.

#### 3.3 Ventilation:

The SmartVENT® Model #1540-510 and SmartVENT® Overhead Door Model #1540-514 both have screen covers with \$^1/4\$-inch-by-\$^1/4\$-inch (6.35 by 6.35 mm) openings, yielding 51 square inches (32 903 mm²) of net free area to supply natural ventilation. The SmartVENT® Stacking Model #1540-511 consists of two Model #1540-510 units in one assembly, and provides 102 square inches (65 806 mm²) of net free area to supply natural ventilation. Other FVs recognized in this report do not offer natural ventilation.

## 4.0 DESIGN AND INSTALLATION

SmartVENT® and FloodVENT® are designed to be installed into walls or overhead doors of existing or new construction from the exterior side. Installation of the vents must be in accordance with the manufacturer's instructions, the applicable code and this report. Installation clips allow mounting in masonry and concrete walls of any thickness. In order to comply with the engineered opening design principle noted in Section 2.7.2.2 and 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)], the Smart Vent® FVs must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one FV for every 200 square feet (18.6 m²) of enclosed area, except that the SmartVENT® Stacking Model #1540-511 and FloodVENT® Stacking Model #1540-521 must be installed with a minimum of one FV for every 400 square feet (37.2 m²) of enclosed area.

- Below the base flood elevation.
- With the bottom of the FV located a maximum of 12 inches (305.4 mm) above the higher of the final grade or floor and finished exterior grade immediately under each opening.

#### 5.0 CONDITIONS OF USE

The Smart Vent® FVs described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 The Smart Vent® FVs must be installed in accordance with this report, the applicable code and the manufacturer's installation instructions. In the event of a conflict, the instructions in this report govern. 5.2 The Smart Vent® FVs must not be used in the place of "breakaway walls" in coastal high hazard areas, but are permitted for use in conjunction with breakaway walls in other areas.

#### 6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015.

#### 7.0 IDENTIFICATION

The Smart VENT® models recognized in this report must be identified by a label bearing the manufacturer's name (Smartvent Products, Inc.), the model number, and the evaluation report number (ESR-2074).

#### **TABLE 1-MODEL SIZES**

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

For SI: 1 inch = 25.4 mm; 1 square foot = m<sup>2</sup>

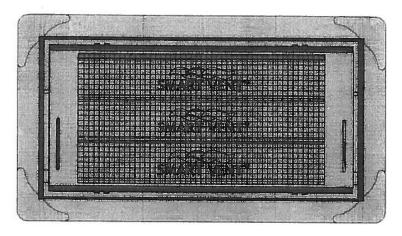


FIGURE 1-SMART VENT: MODEL 1540-510

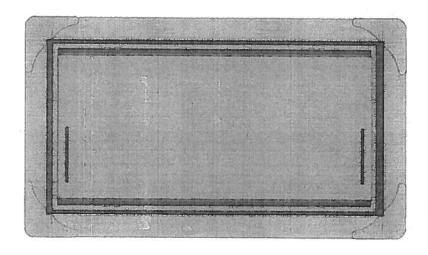


FIGURE 2—SMART VENT MODEL 1540-520

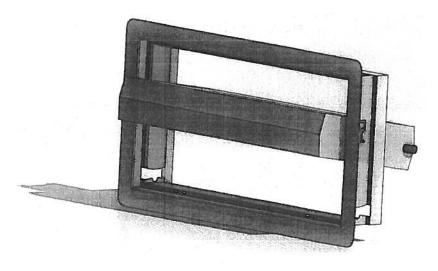


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN



# **ICC-ES Evaluation Report**

# **ESR-2074 FBC Supplement**

Reissued February 2015 Revised March 2016 This report is subject to renewal February 2017.

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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:**

 $\textbf{SMART VENT}^{\text{0}} \textbf{ AUTOMATIC FOUNDATION FLOOD VENTS: MODELS \#1540-520; \#1540-521; \#1540-510; \#1540-511; \#1540-570; \#1540-524; \#1540-514 \\$ 

# 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 May 2016.

