## \ i p -U.S. DEPARTMENT OF HOMELAND SECORITY Federal Emergency Management Agency National Flood Insurance Program

E0090

F

OMB No. 1660-0008 Expiration Date: November 30, 2018

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

Unders During Owner's	a Maria	ION A - PROPER	TY INFO	ORMATION		FOR INS	URANCE COMPANY
JAMES W. DUFFY						Policy N	umber:
A2. Building Street A	ddrose (incl				e		
Box No.	iddress (incl	iuding Apt., Unit, Si	uite, and	l/or Bldg. No.) or	P.O. Route and	Company	
6855 GULF OF MEXICO DRIVE						oompanj	NAIC Number:
City				State		7IP Code	
A3 Branati D	Y			Florida		34228	
A PORTION OF TAX	PARCEL N	d Block Numbers, 1 IUMBER 78059.00	Tax Parc 45/9	cel Number, Lega	Description, etc.)		
A4. Building Use (e.g	., Residentia	al, Non-Residential	, Additio	n. Accessory etc			
A5. Latitude/Longitude	e: Lat. 27°	26'00.8"	Long	082°41'04 5"	RESIDENTIAL		
A6. Attach at least 2 r		of the building if the	Long.	002 4104.5	Horizontal Datum	n: 🗌 NAD	1927 🗙 NAD 1983
A7. Building Diagram	Number		he Certif	icate is being use	d to obtain flood insura	ance.	
A8 For a building with	inumber	6					
A. For a building with	n a crawlspa	ice or enclosure(s):					
a) Square footage	e of crawlsp	ace or enclosure(s)	)	1641 sq i	t		
<ul><li>b) Number of perr</li></ul>	manent floor	d openings in the c	rawlspa	ce or enclosure(s	) within 1.0 foot above	adiacent	
<li>c) Total net area c</li>	of flood oper	nings in A8.b 2.	000	sa in		aujacent g	10
d) Engineered floc	od openings	? X Yes I	No	- 1			
A9. For a building with	an attached	l garage:					
a) Square footage	of attached	and the second second					
		garage N/A	A	sa ft			
b) Number of perm	nanent flood	garage <u>N/A</u>	toobed a	sq ft			
<ul><li>b) Number of perm</li><li>c) Total pet area of</li></ul>	nanent flood	openings in the at	tached g	sq ft garage within 1.0	foot above adjacent gr	ade	N/A
<ul><li>b) Number of perm</li><li>c) Total net area of</li></ul>	nanent flood f flood open	openings in the at ings in A9.b	tached g	sq ft garage within 1.0 _ sq in	foot above adjacent gr	ade	N/A
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> </ul>	nanent flood f flood open d openings?	I garageN/A I openings in the at ings in A9.bN ?YesN	tached g N/A	sq ft garage within 1.0 _ sq in	foot above adjacent gr	ade	N/A
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> </ul>	nanent flood f flood open d openings?	I garageN/A	tached g N/A No	sq ft garage within 1.0 _ sq in	foot above adjacent gr	ade	N/A
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> </ul>	nanent flood f flood open d openings? SECT	I garageN/A I openings in the at ings in A9.bN ?YesN ION B – FLOOD II	tached g N/A No NSURA	sq ft garage within 1.0 sq in NCE RATE MAI	foot above adjacent gr P (FIRM) INFORMAT	ade	N/A
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>B1. NFIP Community National Science Sci</li></ul>	f flood open d openings? SECT ame & Com	I openings in the at ings in A9.b ? Yes N ION B – FLOOD II munity Number	tached g N/A No NSURA	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam	foot above adjacent gr P (FIRM) INFORMAT	ade	N/A
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>B1. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> </ul>	nanent flood f flood open d openings? SECT ame & Com KEY 12512	I garageN/A I openings in the at ings in A9.b ?YesN ION B – FLOOD II munity Number 26	tached g N/A No NSURA	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COL	foot above adjacent gr P (FIRM) INFORMAT le JNTY	ade	N/A B3. State
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>31. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> <li>Map/Panel B5.</li> </ul>	f flood open d openings? SECT ame & Comi KEY 12512 Suffix B	I garageN/A I openings in the at ings in A9.bN ?YesN ION B – FLOOD II munity Number 26 6. FIRM Index	tached g N/A No NSURA	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COL RM Panel	foot above adjacent gr P (FIRM) INFORMAT e JNTY B8 Flood Zong(c)	ION	N/A B3. State Florida
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>31. NFIP Community Na</li> <li>31. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> <li>4. Map/Panel B5.</li> <li>Number B5.</li> </ul>	f flood open d openings? SECT ame & Com KEY 12512 Suffix B	I garageN/A I openings in the at ings in A9.bN ? YesN ION B – FLOOD II munity Number 26 6. FIRM Index Date	N/A N/A NSURA B7. FII	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COL RM Panel fective/ wised Data	foot above adjacent gr <b>P (FIRM) INFORMAT</b> e JNTY B8. Flood Zone(s)	ION B9. Bas (Zor	N/A B3. State Florida e Flood Elevation(s) be A0. use Base
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>31. NFIP Community Na</li> <li>31. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> <li>Map/Panel B5.</li> <li>Number B5.</li> <li>2081C0291 E</li> </ul>	nanent flood f flood open d openings? SECT ame & Com KEY 12512 Suffix Be 3	I garageN/A I openings in the at ings in A9.bN ?YesN ION B – FLOOD II munity Number 26 6. FIRM Index Date -17-2014	A tached g N/A No NSURA B7. FII Eff Re 3-17-2	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COU RM Panel fective/ evised Date 2014	foot above adjacent gr P (FIRM) INFORMAT P INTY B8. Flood Zone(s)	ION B9. Bas (Zor Floo	N/A B3. State Florida e Flood Elevation(s) te AO, use Base d Depth)
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>31. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> <li>4. Map/Panel B5.</li> <li>Number B5.</li> <li>2081C0291 E</li> </ul>	f flood open d openings? SECT ame & Com KEY 12512 Suffix Be 3	I garageN/A I openings in the at ings in A9.bN ? Yes N ION B – FLOOD II munity Number 26 6. FIRM Index Date -17-2014	N/A No NSURA B7. FII Eff Re 3-17-2	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COL RM Panel fective/ avised Date 2014	foot above adjacent gr P (FIRM) INFORMAT e JNTY B8. Flood Zone(s) AE & VE	ION B9. Bas (Zor Floo 10 & 11	N/A B3. State Florida e Flood Elevation(s) he AO, use Base d Depth)
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>B1. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> <li>4. Map/Panel B5.</li> <li>Number B5.</li> <li>2081C0291 E</li> <li>10. Indicate the source</li> </ul>	nanent flood f flood open d openings? SECT ame & Com KEY 12512 Suffix Bi 3 e of the Base	I garageN/A I openings in the at ings in A9.bN ?YesN ION B – FLOOD II munity Number 26 6. FIRM Index Date -17-2014	A tached g N/A No NSURA B7. FII Eff Re 3-17-2 BFE) dat	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COL RM Panel fective/ svised Date 2014 ta or base flood d	foot above adjacent gr P (FIRM) INFORMAT e JNTY B8. Flood Zone(s) AE & VE epth entered in Item B	ION B9. Bas (Zor Floo 10 & 11	N/A B3. State Florida e Flood Elevation(s) he AO, use Base d Depth)
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>B1. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> <li>4. Map/Panel B5.</li> <li>Number B5.</li> <li>2081C0291 E</li> <li>10. Indicate the source</li> <li></li></ul>	Ananent flood f flood open d openings? SECTI ame & Comi KEY 12512 Suffix Bi Suffix Bi 3 e of the Base FIRM [] (	I garageN/A I openings in the at ings in A9.bN ?YesN ION B – FLOOD II munity Number 26 6. FIRM Index Date -17-2014 e Flood Elevation (f Community Determ	A tached g N/A No NSURA B7. FII Eff Re 3-17-2 BFE) dat ined	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COU RM Panel fective/ evised Date 2014 ta or base flood d ] Other/Source:	foot above adjacent gr P (FIRM) INFORMAT e JNTY B8. Flood Zone(s) AE & VE epth entered in Item B	ION B9. Bas (Zor Floo 10 & 11 9:	N/A B3. State Florida e Flood Elevation(s) he AO, use Base d Depth)
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>B1. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> <li>4. Map/Panel B5.</li> <li>2081C0291 E</li> <li>310. Indicate the source</li> <li>IS Profile X F</li> <li>State and the source</li> </ul>	Ananent flood f flood open d openings? SECT ame & Com r KEY 12512 Suffix Bi Suffix Bi 3 e of the Base FIRM C	I garageN/A I openings in the at ings in A9.bN ?YesN ION B – FLOOD II munity Number 26 6. FIRM Index Date -17-2014 e Flood Elevation (I Community Determ for BFE in Item B9:	A tached g N/A No NSURA B7. FII Eff Re 3-17-2 BFE) dat ined	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COL RM Panel fective/ svised Date 2014 ta or base flood d Other/Source:	foot above adjacent gr P (FIRM) INFORMAT P JNTY B8. Flood Zone(s) AE & VE epth entered in Item B AVD 1988   Other	ION B9. Bas (Zor Floo 10 & 11 9:	N/A B3. State Florida e Flood Elevation(s) he AO, use Base d Depth)
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>B1. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> <li>4. Map/Panel B5.</li> <li>2081C0291 E</li> <li>310. Indicate the source</li> <li>Indicate the source</li> <li>IS Profile X I</li> <li>11. Indicate elevation d</li> <li>12. Is the building location</li> </ul>	Ananent flood f flood open d openings? SECT ame & Com KEY 12512 Suffix Base Suffix Base FIRM () () datum used	I garageN/A I openings in the at ings in A9.bN ?YesN ION B – FLOOD II munity Number 26 6. FIRM Index Date -17-2014 e Flood Elevation (f Community Determ for BFE in Item B9:	A tached g N/A No NSURA B7. FII Eff Re 3-17-2 BFE) dat ined	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COU RM Panel fective/ avised Date 2014 ta or base flood d ] Other/Source: SVD 1929 X N/	foot above adjacent gr P (FIRM) INFORMAT e JNTY B8. Flood Zone(s) AE & VE epth entered in Item B AVD 1988   Other	ION B9. Bas (Zor Floo 10 & 11 9: /Source:	N/A B3. State Florida e Flood Elevation(s) te AO, use Base d Depth)
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>B1. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> <li>4. Map/Panel B5.</li> <li>2081C0291 E</li> <li>10. Indicate the source</li> <li>Indicate the source</li> <li>FIS Profile X f</li> <li>11. Indicate elevation d</li> <li>12. Is the building locate</li> </ul>	Ananent flood f flood open d openings? SECT ame & Com KEY 12512 Suffix Bu Suffix Bu 3 e of the Base FIRM C datum used ted in a Coa	I garageN/A I openings in the at ings in A9.bN ?YesN ION B - FLOOD II munity Number 26 6. FIRM Index Date -17-2014 e Flood Elevation (I Community Determ for BFE in Item B9: stal Barrier Resour	A tached g N/A No NSURA B7. FII Eff Re 3-17-2 BFE) dat ined ined rces Sys	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COL RM Panel fective/ svised Date 2014 ta or base flood d Other/Source: SVD 1929 X N/ stem (CBRS) area	foot above adjacent gr P (FIRM) INFORMAT e JNTY B8. Flood Zone(s) AE & VE epth entered in Item B AVD 1988  Other or Otherwise Protected	ION B9. Bas (Zor Floo 10 & 11 9: /Source:	N/A B3. State Florida e Flood Elevation(s) ie AO, use Base d Depth)
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>B1. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> <li>4. Map/Panel B5.</li> <li>2081C0291 E</li> <li>10. Indicate the source</li> <li>IS Profile X fl</li> <li>11. Indicate elevation d</li> <li>12. Is the building locate</li> <li>Designation Date:</li> </ul>	Ananent flood f flood open d openings? SECT ame & Com r KEY 12512 Suffix Bi Suffix Bi 3 e of the Base FIRM 0 datum used f ted in a Coa	I openings in the at ings in A9.b Preside the second sec	A tached g N/A No NSURA B7. Fli Eff Re 3-17-2 BFE) dat ined [] ined [] cces Sys BRS []	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COU RM Panel fective/ evised Date 2014 ta or base flood d Other/Source: SVD 1929 X N/ stem (CBRS) area	foot above adjacent gr P (FIRM) INFORMAT B8. Flood Zone(s) AE & VE epth entered in Item B AVD 1988  Other or Otherwise Protecte	ION B9. Bas (Zor Floo 10 & 11 9: /Source: d Area (O)	N/A B3. State Florida e Flood Elevation(s) he AO, use Base d Depth)
<ul> <li>b) Number of perm</li> <li>c) Total net area of</li> <li>d) Engineered floor</li> <li>B1. NFIP Community Na</li> <li>TOWN OF LONGBOAT</li> <li>4. Map/Panel B5.</li> <li>2081C0291 E</li> <li>10. Indicate the source</li> <li>Indicate the source</li> <li>FIS Profile X f</li> <li>11. Indicate elevation d</li> <li>12. Is the building locate</li> <li>Designation Date:</li> </ul>	Ananent flood f flood open d openings? SECT ame & Com KEY 12512 Suffix Bu Suffix Bu Su	garage       N/A         I openings in the at         ings in A9.b       N         ?       Yes       N         ?       Yes       N         ION B - FLOOD II       Munity Number       N         6.       FIRM Index       N         -17-2014       Performentity Determ       N         for BFE in Item B9:       Stal Barrier Resour       C	A tached g N/A No NSURA B7. FII Eff Re 3-17-2 BFE) dat ined [] Tces Sys BRS []	sq ft garage within 1.0 sq in NCE RATE MAI B2. County Nam MANATEE COL RM Panel fective/ evised Date 2014 ta or base flood d Other/Source: SVD 1929 X N/ stem (CBRS) area	foot above adjacent gr P (FIRM) INFORMAT e JNTY B8. Flood Zone(s) AE & VE epth entered in Item B AVD 1988  Other or Otherwise Protecte	ade ION B9. Bas (Zor Floo 10 & 11 9: /Source: d Area (O	N/A B3. State Florida e Flood Elevation(s) te AO, use Base d Depth) PA)? Mes No P 0 6 2018

			LAUITation Date: November 30.
Building Street Address (issludies A	the corresponding information from	Section A.	FOR INSURANCE COMPANY
6855 GULF OF MEXICO DRIVE	L, Unit, Suite, and/or Bldg. No.) or P.O.	Route and Box No.	Policy Number:
City	State	ZIP Code	Company NAIC Number
	FLORIDA	34228	Company NAIO Number
SECTION	C – BUILDING ELEVATION INFOR	MATION (SURVEY R	EQUIRED)
<ul> <li>C1. Building elevations are based or *A new Elevation Certificate will</li> <li>C2. Elevations – Zones A1–A30, AE Complete Items C2.a–h below a Benchmark Utilized: <u>SEE COMI</u> Indicate elevation datum used fo</li> <li></li></ul>	n: Construction Drawings* be required when construction of the b , AH, A (with BFE), VE, V1–V30, V (with ccording to the building diagram specific MENTS Vertical Dat or the elevations in items a) through h) to D 1988 Other/Source:	Building Under Construuilding is complete. th BFE), AR, AR/A, AR/ fied in Item A7. In Puert tum: <u>N.A.V.D. 1988</u> pelow.	iction* I Finished Constructi AE, AR/A1–A30, AR/AH, AR/AC o Rico only, enter meters.
Datum used for building elevation	ns must be the same as that used for th	ne BFE.	
a) Top of bottom floor (including	bacament and		Check the measurement use
b) Top of the post birth of	basement, crawispace, or enclosure fl	oor) <u>5. 5</u>	X feet meters
b) Top of the next higher floor		16_1	X feet I meters
<ul> <li>c) Bottom of the lowest horizonta</li> </ul>	al structural member (V Zones only)	14 4	
<ul> <li>d) Attached garage (top of slab)</li> </ul>		5 1	
<ul> <li>e) Lowest elevation of machinery (Describe type of equipment a</li> </ul>	or equipment servicing the building and location in Comments)	14_4	K feet meters
<li>f) Lowest adjacent (finished) gra</li>	ade next to building (LAG)	1 5	
g) Highest adjacent (finished) gra	ade pext to building (HAC)	<u> </u>	X feet meters
h) Lowest adjacent grade at lowe	est elevation of deck or stairs including	<u> </u>	X feet D meters
structural support		<u>N/A</u>	feet meters
SECTION	D - SURVEYOR, ENGINEER, OR A	RCHITECT CERTIFIC	ATION
his certification is to be signed and se certify that the information on this Cer tatement may be punishable by fine o lere latitude and longitude in Section	ealed by a land surveyor, engineer, or a rtificate represents my best efforts to in or imprisonment under 18 U.S. Code, S A provided by a licensed land surveyou	architect authorized by I terpret the data availab ection 1001.	aw to certify elevation informatio le. I understand that any false
ertifier's Name			X Check here if attachments
ertifier's Name EO MILLS, JR.	License Number		2 20 In
ertifier's Name EO MILLS, JR. tle	License Number FL 3513		3-29-17
ertifier's Name EO MILLS, JR. tle EGISTERED SURVEYOR	License Number FL 3513		3-29-17
ertifier's Name EO MILLS, JR. tle EGISTERED SURVEYOR ompany Name	License Number FL 3513		3-29-17
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ertifier's Name EO MILLS, JR. EGISTERED SURVEYOR ompany Name EO MILLS & ASSOCIATES, INC. dress 20 8th AVENUE WEST	License Number FL 3513	710.0	3-29-17 Jaga MA Seal Here PI S # 2512
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ertifier's Name EO MILLS, JR. Ide EGISTERED SURVEYOR Impany Name EO MILLS & ASSOCIATES, INC. Idress 10 8th AVENUE WEST Y NUMETTO	License Number FL 3513 State Florida Date 3/29/2017	ZIP Code 34221 Telephone	3-29-17 Dage MA Seal Here PLS #3513
ertifier's Name EO MILLS, JR. EGISTERED SURVEYOR ompany Name EO MILLS & ASSOCIATES, INC. dress 20 8th AVENUE WEST y ALMETTO	License Number FL 3513 State Florida Date 3/29/2017	ZIP Code 34221 Telephone 941-722-2460	3-29-17 Daga Seal Here PLS #3513
ertifier's Name EO MILLS, JR. tte EGISTERED SURVEYOR Dompany Name EO MILLS & ASSOCIATES, INC. Idress 20 8th AVENUE WEST 20 8th AVENUE WEST ALMETTO Data Strategy Stra	License Number FL 3513 State Florida Date 3/29/2017 and all attachments for (1) community of	ZIP Code 34221 Telephone 941-722-2460 official, (2) insurance age	3-29-17
ertifier's Name EO MILLS, JR. tte EGISTERED SURVEYOR Ompany Name EO MILLS & ASSOCIATES, INC. Idress 20 8th AVENUE WEST EV ALMETTO gnature oy all pages of this Elevation Certificate mments (including type of equipment	License Number FL 3513 State Florida Date 3/29/2017 and all attachments for (1) community of and location, per C2(e), if applicable)	ZIP Code 34221 Telephone 941-722-2460 official, (2) insurance age	A Check here if attachments 3-29-17 Baga MA Seal Here PLS #3513 ent/company, and (3) building own
ertifier's Name EO MILLS, JR. the EGISTERED SURVEYOR ompany Name EO MILLS & ASSOCIATES, INC. Idress 20 8th AVENUE WEST y ALMETTO on all pages of this Elevation Certificate mments (including type of equipment NUMBER REPRESENTS THE TOTAL SQUARE II NUMBER REPRESENTS THE TOTAL SQUARE II 2074 INDICATES A FLOW RATE OF 200 SQUAR	License Number FL 3513 State Florida Date 3/29/2017 and all attachments for (1) community of and location, per C2(e), if applicable) VATION = 5.82 FEET N.A.V.D. 1988 NCHES OF THE 10 FLOOD OPENINGS NOTED IN A E INCHES FOR THIS MODEL	ZIP Code 34221 Telephone 941-722-2460 official, (2) insurance age	A Check here if attachments 3-29-17 A A A A A Seal Here PLS #3513 ent/company, and (3) building own MODEL #1540-520. ICC-ES REPORT #
ertifier's Name EO MILLS, JR. tle EGISTERED SURVEYOR ompany Name EO MILLS & ASSOCIATES, INC. ddress 20 8th AVENUE WEST 20 8th AVENUE WEST 20 8th AVENUE WEST 20 ALMETTO on at the second	License Number FL 3513 State Florida Date 3/29/2017 and all attachments for (1) community of and location, per C2(e), if applicable) VATION = 5.82 FEET N.A.V.D. 1988 NCHES OF THE10 FLOOD OPENINGS NOTED IN A IE INCHES FOR THE 100 OPENINGS NOTED IN A IE INCHES FOR THIS MODEL	ZIP Code 34221 Telephone 941-722-2460 official, (2) insurance age	A Check here if attachments 3-29-17 A A A A A A A A A A A A A A A A A A A
ertifier's Name EO MILLS, JR. tle EGISTERED SURVEYOR ompany Name EO MILLS & ASSOCIATES, INC. Idress 20 8th AVENUE WEST 20 8th A	License Number FL 3513 State Florida Date 3/29/2017 and all attachments for (1) community of and location, per C2(e), if applicable) VATION = 5.82 FEET N.A.V.D. 1988 NCHES OF THE10 FLOOD OPENINGS NOTED IN A te INCHES FOR THES FOR THE TOP OF THE PLAT EON ARE BASED ON INFORMATION ESTABLISHE CERTIFICATION REGARDING BREAKAWAY WALL	ZIP Code 34221 Telephone 941-722-2460 official, (2) insurance age R&b, ALL BEING SMART VENTS IFORM FOR THE AIR CONDITI D BY OTHERS AND ARE NOT .S.	A Check here if attachments 3-29-17 A A A A A A A A A A A A A A A A A A A

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	AO AND ZONE A (WITHOUT B	FE)	
For Zones AO and A (without BFE), complete Items E1–E complete Sections A, B,and C. For Items E1–E4, use natu enter meters.	5. If the Certificate is intended to ural grade, if available. Check the	support a LOMA or LOM measurement used. In	MR-F request,
<ul> <li>E1. Provide elevation information for the following and ch the highest adjacent grade (HAG) and the lowest adja a) Top of bottom floor (including base)</li> </ul>	eck the appropriate boxes to sho acent grade (LAG).	w whether the elevation	is above or below
<ul> <li>b) Top of bottom floor (including basement, b) Top of bottom floor (including basement,</li> </ul>	[] feet	meters above o	or Delow the H
2. For Building Diagrams 6–9 with permanent flood oper		meters above o	or Delow the L
the next higher floor (elevation C2.b in the diagrams) of the building is	· feet	8 and/or 9 (see pages 1	-2 of Instructions
<ol> <li>Attached garage (top of slab) is</li></ol>	feet	meters above o	r below the H
5. Zone AO only: If no flood depth number is available is	feet [	meters above o	r 🗌 below the H
floodplain management ordinance?	Unknown. The local offici	ed in accordance with the al must certify this inform	ne community's nation in Section
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SEP 0 6 2018

TOWN OF LONGBOAT KEY Planning, Zoning and Building

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State LONGBOAT KEY       State FLORIDA       ZIP Code 34228       Company NAIC Number            SECTION G - COMMUNITY Mark To (OPTIONAL)                International data of the Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement sed in items G8-G10. In Puets Root only, anter merets.                       Painternation in Section C was taken from other documentation information. (Indicate the source and date of the elevation engineer, or archited two is authorized by law to certify elevation information. (Indicate the source and date of the elevation engineer, or archited two is authorized by law to certify elevation information. (Indicate the source and date of the elevation er context).                  A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE or Zone AO.                   Completed Section E for a building located in Zone A (without a FEMA-issued or community-issued Section I is provided for community information (Items G4-G10) is provided for community information (Items G4-G10) is provided for community issued Section I is provided for community issued Section I is provided for a building site:           Ge. Date Certificate of Complement Social Improvement               This permit has been issued for:         Indicating a the building site:           Indicate	6855 GULF OF MEXICO DRIVE	e and, and of blag. No.) of t	O. Route and Bo	x No.	Policy Number:
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#### **ELEVATION CERTIFICATE**

#### **BUILDING PHOTOGRAPHS**

See Instructions for Item A6.

OMB Control Number: 1660-0008

IMPORTANT: In these spaces, copy the c	orresponding information	from C. III .	Expiration: 11/30/2018
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6855 GULF OF MEXICO DRIVE	Policy Number:		
City LONGBOAT KEY	State Elecide		
If using the Elevation On the		Zip Code 34228	Company NAIC Number:

vation Certificate to obtain NFIP 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 that will fit on this page, use the Continuation Page. It is the responsibility of the reviewer (Insurance Agents, Building Officials, etc) of this elevation certificate to analyze all of the data given in

conjunction with a site visit to determine the proper Building Diagram Number (Item A7). The building diagram number shown in Item A7 is given as determined by the certificate preparer and should not be used for insurance rating or building compliance purposes unless verified



PHOTO ONE CAPTION: FRONT VIEW



#### **ELEVATION CERTIFICATE**

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#### **BUILDING PHOTOGRAPHS**

See Instructions for Item A6.

OMB Control Number: 1660-0008

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conjunction with a site visit to determine the proper Building Diagram Number (Item A7). The building diagram number shown in Item A7 is given as determined by the certificate preparer and should not be used for insurance rating or building compliance purposes unless verified



TOWN OF LONGE Planning, Zoning and Bullding

#### ELEVATION CERTIFICATE

### **BUILDING PHOTOGRAPHS – ATTACHMENT 1**

See Instructions for Item A6.

OMB Control Number: 1660-0008

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ertificate to obtain NFIP 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 that will fit on this page, use the Continuation Page. It is the responsibility of the reviewer (Insurance Agents, Building Officials, etc) of this elevation certificate to analyze all of the data given in

conjunction with a site visit to determine the proper Building Diagram Number (Item A7). The building diagram number shown in Item A7 is given as determined by the certificate preparer and should not be used for insurance rating or building compliance purposes unless verified



PHOTO 6 C2(e) Leo Mills, Jr. Date 3/29/17 Job# E0090 P.L.S. 3513

PHOTO SIX CAPTION: LOWEST MACHINERY SERVICING THE BUILDING

Replaces all previous editions.

V-ZONE DESIGN	CERTIFICATE
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Namo

Name				and and a second	
Building Address or Other Desc	ription	6855 Gulf of Mexico	olicy Number (Inst o Drive	urance Co. Use)	
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Com	SECTION	I I: Flood Insurance F	Rate Map (FIRM)	nformation	4220
Community No. <u>125126</u>	Panel	No. <u>0291</u> Suffix _	E_FIRM Date_	03/17/2014 FIRM Z	one(s) VE
[NOTE: This section docum	SECT nents eleve	ON II: Elevation Infor ations used in the design	mation Used for – it does not substit	Design	
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2. Elevation of the Bottom of Low	est Horiz	ontal Structural Membe		NGVD 🛛	NAVD D Other
<ol><li>Base Flood Elevation (BFE)</li></ol>				<u>14.5</u> feet abc	ove datum
<ol><li>Elevation of Lowest Adjacent G</li></ol>	Grade		••••••••••••••••••••••	<u>11.0</u> feet abo	ove datum
5. Approximate Depth of Anticipat	ed Scour	/Erosiaa		<u>4.0</u> feet abo	ve datum
<ol><li>Embedment Depth of Pilings or</li></ol>	Foundat	ion Below Lowest Adia	idation Design	<u>1.0</u> feet abo	ve datum
	5.0 A		cent Grade	<u>36.0</u> feet belo	w datum

### SECTION III: V Zone Design Certification Statement

[NOTE. This section must be certified by a Florida licensed engineer or architect.]

I certify: (1) that I have developed or reviewed the structural design, plans, and specifications for construction and (2) that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting the

- The bottom of the lowest horizontal structural member of the lowest floor (with the exception of mat or raft foundations, piling, pile caps, columns, grade beams and bracing) is elevated to or above the BFE in accordance
- with the requirements of the Florida Building Code and local floodplain management regulations; and The pile and column foundation and building or structure to be attached thereto is designed in accordance with the Florida Building Code to be anchored to resist flotation, collapse, and lateral movement due to the effects of the wind and flood loads acting simultaneously on all building components, and other load requirements of the Florida Building Code. The potential for scour and erosion at the foundation has been anticipated for conditions associated

SECTION IV: Breakaway Wall Design Certification Statement [NOTE. This section must also be certified by a Florida licensed engineer or architect when breakaway walls exceed a design safe loading

resistance of 20 pounds per square foot. This requirement does not apply to open wood/plastic lattice/slats/louvers or insect screening.] I certify: (1) that I have developed or reviewed the structural design, plans, and specifications for construction and (2) that the

design and methods of construction to be used for the breakaway walls are in accordance with the Florida Building Code, Building (ASCE 24) or Florida Building Code, Residential, as applicable, and accepted standards of practice.

### SECTION V: Certification and Seal

This certification is to be signed and sealed by a Florida licensed professional engineer or architect authorized by law to certify structural designs. I certify the V Zone Design Certification Statement in Section III and the Breakaway Wall Design

Certifier's	Name					
Charles Sego			License Number			
Title		Comp	DU Manua		P.I	E. 59173
Address	ictural Engineer	Compa		SEGO &	SEGO, LLC	
Signature	P.O. 2106		City Ann	a Maria	State FL	ZIP 3/216
	Charles Sego Enseptionani@r Disc Enseptionani@r Disc Enseption Dista: 2017.02.1	l by Charles Sego ampabay.rr.com, ego 22 11:06:32-05:00'	Date 2017	Teler .02.22	phone 941-778	-8204



TOWN OF L2-13-2014 FL STATE Planning, Zoning and Building



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

Most Widely Accepted and Trusted

ESR-2074

Reissued February 2015 Revised May 2016 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<sup>®</sup> 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>1</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<sup>®</sup> Stacking Model #1540-511 and FloodVENT<sup>®</sup> 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<sup>®</sup> Model #1540-510 and SmartVENT<sup>®</sup> 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 mm<sup>2</sup>) 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 mm<sup>2</sup>) 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<sup>®</sup> 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 m<sup>2</sup>) of enclosed area, except that the SmartVENT<sup>®</sup> Stacking FloodVENT® Stacking Model #1540-521 must be Model #1540-511 installed with a minimum of one FV for every 400 square feet (37.2 m<sup>2</sup>) of enclosed area.

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



<sup>0 6 2018</sup> SEP



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

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### ESR-2074 FBC Supplement

Reissued February 2015 Revised March 2016 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<sup>®</sup> AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570;

### 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

Use of the Smart Vent<sup>®</sup> 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

This supplement expires concurrently with the master report, reissued February 2015 and revised May 2016.

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