OMB No. 1660-0008

Check here if attachments.	
	Comments (including type of equipment and location, per C2(e), if applicable)
	Signature
23	Community Name Telephone
- T	Local Official's Name
meters Datum	esign flood elevation:
meters Datum	G9. BFE or (in Zone AO) depth of flooding at the building site:
meters Datum	G8. Elevation of as-built lowest floor (including basement) feet of the building:
	G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement
Date Certificate of Compliance/Occupancy Issued	G4. Permit Number G5. Date Permit Issued G6. D. G7. Permit Number G8. Date Permit Issued G8. Date
ent purposes.	G3. The following information (Items G4–G10) is provided for community floodplain management purposes
4-issued or community-issued BFE)	G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
nd sealed by a licensed surveyor, e source and date of the elevation	G1. 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.)
nagement ordinance can complete below. Check the measurement	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.
	SECTION G - COMMUNITY INFORMATION (OPTIONAL)
Company NAIC Number	City State ZIP Code VENICE Florida 34293
Policy Number:	Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 991 VARET ROAD
FOR INSURANCE COMPANY USE	IMPORTANT: In these spaces, copy the corresponding information from Section A.
Expiration Date: November 30, 2018	

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

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

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

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

	אַ כו כיוופּוּאוּאָפּ דוֹטִפּינוּ	CBRS OPA	Coastal ballet Resour	
Yes	図 NAVD 1988 ☐ Othe	: ☐ NGVD 1929 図 N	sed for BFE in Item B9: Coastal Barrier Resour	B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 X NAVD 1988 Other/Source:
) <u>9</u> ;	epth entered in Item B	Base Flood Elevation (BFE) data or base flood depth entered in Item B9:	3ase Flood Elevation (BFE) ☐ Community Determined	B10. Indicate the source of the E ☐ FIS Profile 区 FIRM [
B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 10' & 11'	B8. Flood Zone(s) AE	B7. FIRM Panel Effective/ Revised Date 11/04/2016	B6. FIRM Index Date 11/04/2016	B4. Map/Panel B5. Suffix Number F
B3. State Florida	u l	B2. County Name SARASOTA	ommunity Number	B1. NFIP Community Name & Community Number SARASOTA COUNTY - 125144
ON	(FIRM) INFORMATI	FLOOD INSURANCE RATE MAP (FIRM) INFORMATION	SECTION B - FLOOD IN	SE
			js? ∐Yes ⊠No	d) Engineered flood openings?
		sq in	enings in A9.b0	c) Total net area of flood openings in A9.b
ade 0	garage within 1.0 foot above adjacent grade		od openings in the atta	 b) Number of permanent flood openings in the attached
14 E		sq ft	ed garage 0	 a) Square footage of attached garage
			ed garage:	A9. For a building with an attached garage:
		8	js? ⊠Yes □ No	d) Engineered flood openings?
		go sq in	enings in A8.b 1,220	c) Total net area of flood openings in A8.b
djacent grade4	vithin 1.0 foot above a	wispace or enclosure(s) v	od openings in the crav	b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade
		1,210 sq ft	pace or enclosure(s):	A8. For a building with a crawlspace or enclosure(s):a) Square footage of crawlspace or enclosure(s)
			1A	A7. Building Diagram Number
Ce.	o obtain flood insurand	building if the Certificate is being used to obtain flood insurance	s of the building if the (A6. Attach at least 2 photographs of the
☐ NAD 1927 区 NAD 1983	Horizontal Datum:	Long82.41371°		A5. Latitude/Longitude: Lat. 27.03137°
SIDENTIAL	ACCESSORY, RESIDENTIAL	ddition, Accessory, etc.)	ial, Non-Residential, A	A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)
0024	escription, etc.) NIT 72 PID: 0472110024	mbers, Tax Parcel Number, Legal Description, etc.) 19240 & 19241, SOUTH VENICE UNIT 72 PID: 0		A3. Property Description (Lot and Block Numbers, LOTS 19235, 19236, 19237, 19238, 19239, 19240
34293	ñ	Florida		VENICE
ZIP Code	Z	State		City
Company NAIC Number:		(including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and	uding Apt., Unit, Suite,	A2. Building Street Address (included Box No. 991 VARET ROAD
Policy Number:				A1. Building Owner's Name SCOTT J. CARPENTER
FOR INSURANCE COMPANY USE	F	NFORMATION	SECTION A - PROPERTY INFORMATION	SECT

ELEVATION CERTIFICATE

OMB No. 1660-0008 Expiration Date: November 30

АТТАСНЕD. 18' +/	32CS. CERTIFICATION , EVICE ACCURATE TO :	THE BUILDING IS A 1210 SQ FT DETACHED METAL BUILDING. IT HAS (4) ENGINEERED CRAWL SPACE DOOR VENTS, MODEL # 1232CS. CERTIFICATION ATTACHED. THE NET AREA OF THE (4) OPENINGS IS 1220 SQ IN. THE LATITUDE & LONGITUDE WERE TAKEN USING A HAND HELD DEVICE ACCURATE TO 18' +/	- THE BUILDING IS A 1210 - IT HAS (4) ENGINEERED - THE NET AREA OF THE (- THE LATITUDE & LONGIT
	e)	Comments (including type of equipment and location, per C2(e), if applicable)	Comments (including type o
igent/company, and (3) building owner.	ity official, (2) insurance a	Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.	Copy all pages of this Elevati
4	Telephone (941) 485-3100	Date 9/15/19	Signature
8/15/19	ZIP Code 34275	State Florida	NOKOMIS
Here			Address 631 TAMIAMI TRAIL N.
Seal C		SURVEYING, LLC	Company Name FLORIDA ENGINEERING &
			Title LICENSED SUREYOR
		License Number 6896	Certifier's Name JUSTIN D. GARNER
□ Check here if attachments.	/or? ⊠Yes □No	Were latitude and longitude in Section A provided by a licensed land surveyor?	Were latitude and longitude
law to certify elevation information. ble. I understand that any false	r architect authorized by interpret the data availal Section 1001.	This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.	This certification is to be sig I certify that the information statement may be punishab
CATION	ARCHITECT CERTIFIC	SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION	
X feet	ng N/A.	Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	 h) Lowest adjacent grastructural support
X feet meters	9. 2	Highest adjacent (finished) grade next to building (HAG)	g) Highest adjacent (fi
X feet ☐ meters	9.0	Lowest adjacent (finished) grade next to building (LAG)	f) Lowest adjacent (fir
x feet meters	N/A	Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	e) Lowest elevation of (Describe type of ed
feet	N/A	op of slab)	_
x feet meters	N/A	Bottom of the lowest horizontal structural member (V Zones only)	c) Bottom of the lowes
feet [Z	ner floor	
X feet meters	floor) 9. 44	Top of bottom floor (including basement, crawlspace, or enclosure floor)	 a) Top of bottom floor
Check the measurement issed	the BFE.	=	Datum used for building
	below.	Indicate elevation datum used for the elevations in items a) through h) below. ☐ NGVD 1929 ☑ NAVD 1988 ☐ Other/Source:	Indicate elevation datu
uerto Rico only, enter meters.	gram specified in Item A7. In Puertov Vertical Datum: N.A.V.D. 1988	Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, Benchmark Utilized: NGS BM H635 EL=12.94' Vertical Datum: N.A.V.D. 1988	
20		*A new Elevation Certificate will be required when construction of the building is complete.	*A new Elevation Certi
ction* X Finished Construction	☐ Building Under Construction*	based on: Construction Drawings*	C1. Building elevations are based on:
QUIRED)	MATION (SURVEY RE	SECTION C BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)	S
Company NAIC Number	ZIP Code 34293	State Florida	City VENICE
Policy Number:	. Route and Box No.	Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No 991 VARET ROAD	Building Street Address (incl 991 VARET ROAD
FOR INSURANCE COMPANY USE	Section A.	IMPORTANT: In these spaces, copy the corresponding information from Section A.	IMPORTANT: In these space
Expiration Date: November 30, 2018		CAID	ELEAN ION CEVILL

ELEVATION CERTIFICATE

OMB No. 1660-0008 Expiration Date: November 30

Check here if attachments.					
					×
					0
	-				Comments
Telephone	Tele	Date	:	**	Signature
te ZIP Code	State	City			Address
		ame	Representative's Na	Property Owner or Owner's Authorized Representative's Name	Property Own
e A (without a FEMA-issued or set to the best of my knowledge.	ons A, B, and E for Zonns A, B, and E are corre	ho completes Section tatements in Section	zed representative wurst sign here. The s	The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best	The property of community-iss
RTIFICATION	SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION	OR OWNER'S RE	ROPERTY OWNER	SECTION F - F	
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 Duknown. The local official must certify this information in Section G.	m floor elevated in acco he local official must ce	the top of the botton	ımber is available, is ? ☐ Yes ☐ No	only: If no flood depth no management ordinance	E5. Zone AO floodplair
☐ above or ☐ below the HAG.	_ ☐ feet ☐ meters		or equipment —	Top of platform of machinery and/or equipment servicing the building is	E4. Top of pla
☐ above or ☐ below the HAG.	_ ☐ feet ☐ meters	2	1	Attached garage (top of slab) is	E3. Attached
(see pages 1–2 of Instructions),	tion A Items 8 and/or 9 _ ☐ feet ☐ meters	ings provided in Sec	ermanent flood open .b in —	For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1-the next higher floor (elevation C2.b in feet meters above or	E2. For Buildi the next h the diagra
☐ above or ☐ below the LAG.	_ ☐ feet ☐ meters		pasement,	Top of bottom floor (including basement crawlspace, or enclosure) is	b) Top of crawls
above or below the HAG.	_ ☐ feet ☐ meters	31	basement,	Top of bottom floor (including basement, crawlspace, or enclosure) is	a) Top of crawle
Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).	oxes to show whether	ck the appropriate b cent grade (LAG).	he following and che and the lowest adja	levation information for t st adjacent grade (HAG)	E1. Provide e
LOMA or LOMR-F request, nent used. In Puerto Rico only,	intended to support a L e. Check the measurem	. If the Certificate is al grade, if available	mplete Items E1–E5 ns E1–E4, use natu	For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMI complete Sections A, B,and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In P enter meters.	For Zones AO complete Secrenter meters.
REQUIRED)	 BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE) 	ATION INFORMAT O AND ZONE A (W	BUILDING ELEV	SECTION E -	
Company NAIC Number	ZIP Code 34293		State Florida		City VENICE
Policy Number:	Box No.	Bldg. No.) or P.O. R	, Unit, Suite, and/or	Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 991 VARET ROAD	Building Street Add 991 VARET ROAD
FOR INSURANCE COMPANY USE		information from S	the corresponding	IMPORTANT: In these spaces, copy the corresponding information from Section A.	IMPORTANT:
Expiration Date: November 30, 2018					11177110

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

See Instructions for Item A6.

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

Company NAIC Number	ZIP Code 34293	State Florida	City VENICE
Policy Number:	or P.O. Route and Box No.	Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 99 VARET ROAD	Building Street Addre
FOR INSURANCE COMPANY USE	on from Section A.	IMPORTANT: In these spaces, copy the corresponding information from Section A.	IMPORTANT: In thes

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.



Photo One Caption FRONT VIEW 6/17/19



Photo Two Caption REAR VIEW 6/17/19

FEMA Form 086-0-33 (7/15)

Replaces all previous editions.

Form Page 5 of 6

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS

Continuation Page

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

IMPORTANT: In these spaces, copy the corresponding information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
99 VARET ROAD VENICE Florida State 34293 ZIP Code Company NAIC Number Policy Number FOR INSURANCE COMPANY USE

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.

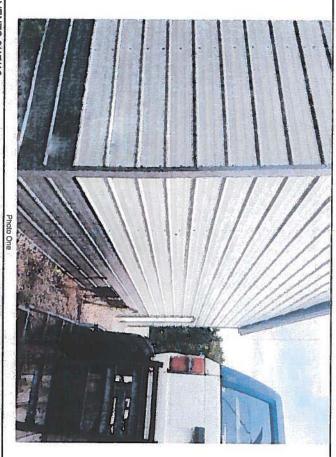
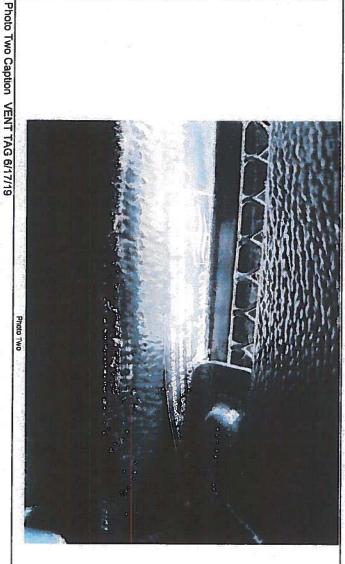


Photo One Caption VENTS 6/17/19



Certification of Engineered Flood Openings

In accordance with the Code of Federal Regulations for the National Flood Insurance Program

hereby certify that the Crawl Space Door Systems flood vents 816CS, 1220CS, 1232CS, 1616CS, 1624CS, 1632CS, 2032CS, 2424CS, and 2436CS are

designed in accordance with the requirements of the Code of Federal Regulations for the National Flood Insurance Program (NFIP) to provide automatic equalization of hydrostatic flood forces by allowing for the entry and exit of floodwaters, when properly installed and sized as set forth below. Vent opening measurements were measured and certified by Mr. Christopher Mark Loney, Virginia P.E. NO. 029000. Detailed calculations were prepared as outlined in "Review of certification of Engineered Flood Openings," prepared by Dr. Georg Reichard, Associate Professor of Building Construction, Virginia Tech (available upon request from Crawl Space Door Systems, Inc. billy@crawlspacedoors.com)

Design Characteristics

These values are based on the following assumptions: vent has then been determined by utilizing the lowest flow rate of the three assessed scenarios for each vent and is listed in Table 1. between louver blades following hydraulic short-tube theory. The maximum total enclosed area (Ae) that can be serviced by a single event; 2) the flow rate through the individual openings between louver blades; and 3) the flow rate through projected openings equation to calculate 1) the restricted flow rate through the main frame opening in case the louver is blown out during a flood enclosed area (Ae). This equation is based on the hydraulic formula for the flow rate across sharp edged orifices. I have utilized this Section 2.6.2.2 of ASCE/SEI 24-05 provides an equation to determine the required net area of engineered openings (A_o) for a given

- assumed at a minimum rate of 5 feet/hour; In absence of reliable data, the rates of rise and fall have
- floodwater levels shall not exceed 1 foot during base The (maximum) difference between the exterior and in
- with design practices related to protection of life and prop A factor of safety of 5 has been assumed, which is con
- The net area of openings (A_o) as provided by the manufact

Installation Requirements and Limitations

	270	74:36	27777]	,
1230	570	24 x 24	2424CS	ĪĒ	
				ij	
1240	630	20 x 32	2032CS		19
835	405	16 x 32	1632CS		turer.
670	310	16 x 24	1624CS		erty;
395	180	16 x 16	1616CS		sistent
645	305	12 x 32	1232CS		
500	235	12 x 20	1220CS		flood
205	105	8 x 16	816CS		nterior
[ft²]	[in²]	[in]	Model		חששם
Þ	₽	H×₩	200	*	

Table 1 Maximum total enclosed area (Ae) that can be given net area of engineered openings (Ao) serviced by each individual model based on the

requirements and limitations are not enforced: This certification There shall be a minimum of two openings on different sides of will be voided if the following insta

- each enclosed area subject to flooding;
- above the higher of the interior or exterior grade that is immediately under each opening; The bottom of all openings shall be no higher than one foot
- the automatic entry or exit of floodwaters at any time; No temporary (e.g. during cold weather) or permanent solid cover may be placed into or over the flood vent that would block
- and fall are less than 5 feet per hour. for those different conditions. Where data or analyses indicate more rapid rates of rise and fall, the required number of openings shall be increased to account The number or size of the openings may be decreased if data or analyses indicate rates of rise

Name Identification of the Building and Installed Flood Vents (By Others) **Certifying Design Professional** Signature: Company **Address** Geci & Associates Engineers, Inc. Steve A. Geci Florida 2950 N 12th Avenue, Pensacola, FL 32503 Date: Title License No. President 33658 WILLIAM STEVE A. CH. STATE OF RESIDENCE OF THE STATE CENSON No. 33658

The flood vent models marked in Table 1*) are being installed at the following building:

Building Address