Horry County Government

Code Enforcement Department www.horrycounty.org



129 109

Horry County Government & Justice Center 1301 Second Avenue / Suite 1D09 Conway, South Carolina 29526 Phone 843.915.5090 || Fax 843.915.6090

MEMO OF REVIEW FOR CORRECTNESS AND COMPLETION

n accordance with this community's participation in the National Flood Insurance Program's Community Rating System, all FEMA Elevation Certificates must be correct and complete. The attached Certificate has some incorrect tems which are noted here.

	SECTION A - PROPERTY INF	ORMATION	For Insurance Company Use:
A1. Building Owner's Name			Policy Number
A2. Building Street Address (including Apt., Unit, Sui	te, and/or Bldg. No.) or P.O. Route and	Box No.	Company NAIC Number
City State ZIP Code			a
A3. Property Description (Lot and Block Numbers, Ta parel # 470-09-02	ax Parcel Number, Legal Description, et 2 - ODO	2.)	
 A4. Building Use (e.g., Residential, Non-Residential, A5. Latitude/Longitude: Lat Long A6. Attach at least 2 photographs of the building if th A7. Building Diagram Number A8. For a building with a crawl space or enclosure(s) a) Square footage of crawl space or enclosure(s) b) No. of permanent flood openings in the crawl enclosure(s) walls within 1.0 foot above adja c) Total net area of flood openings in A8.b d) Engineered flood openings?Yes 	Addition, Accessory, etc.) e Certificate is being used to obtain floo), provide A9 s) sq ft d space or sq ft icent grade sq in □No	Horizontal Datum: d insurance. Eor.a.building.with.an.attach a) Square footage of attach b) No. of permanent flood o walls within 1.0 foot abo c) Total net area of flood o d) Engineered flood opening	□ NAD 1927 □ NAD 1983 ed.garage, provide:sq ft bed garagesq ft openings in the attached garage ve adjacent gradesq in penings in A9.bsq in ngs? □Yes □No
SECTION B	- FLOOD INSURANCE RATE MAP	(FIRM) INFORMATION	
B1. NFIP Community Name & Community Number	B2. County Name	3	33. State
B4. Map/Panel Number B5. Suffix B6. I	FIRM Index B7. FIRM Panel Date Effective/Revised D	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
Indicate elevation datum used for BFE in Item B9 S. Is the building located in a Coastal Barrier Resou Designation Date	rces System (CBRS) area or Otherwise	8 Dither/Source: Protected Area (OPA)?	□Yes □
SECTION C - E	UILDING ELEVATION INFORMAT	ION (SURVEY REQUIR	ED)
1. Building elevations are based on: Const	ruction Drawings*	Under Construction*	Finished
 *A new Elevation Certificate will be required when *A new Elevation Certificate will be required when Elevations – Zones A1-A30, AE, AH, A (with BFE) Items C2.a-h below according to the building diag Benchmark Utilized Indicate elevation datum used for the elevations in 	construction of the building is complete. b, VE, V1-V30, V (with BFE), AR, AR/A, A ram specified in Item A7. Vertical Datum h items a) through h) below. INGVD	AR/AE, AR/A1-A30, AR/AH,	AR/AO. Complete Dther/Source:
onstruction *A new Elevation Certificate will be required when 2. Elevations – Zones A1-A30, AE, AH, A (with BFE) (tems C2.a-h below according to the building diag Benchmark Utilized Indicate elevation datum used for the elevations in OMMENTS:	construction of the building is complete. , VE, V1-V30, V (with BFE), AR, AR/A, A ram specified in Item A7. Vertical Datum n items a) through h) below. INGVD	AR/AE, AR/A1-A30, AR/AH,	AR/AO. Complete Dther/Source:
onstruction *A new Elevation Certificate will be required when Elevations – Zones A1-A30, AE, AH, A (with BFE) Items C2.a-h below according to the building diag Benchmark Utilized Indicate elevation datum used for the elevations ir OMMENTS:	construction of the building is complete. , VE, V1-V30, V (with BFE), AR, AR/A, / ram specified in Item A7. Vertical Datum n items a) through h) below. INGVD	AR/AE, AR/A1-A30, AR/AH,	AR/AO. Complete
A new Elevation Certificate will be required when A new Elevation Certificate will be required when Elevations – Zones A1-A30, AE, AH, A (with BFE) Items C2.a-h below according to the building diag Benchmark Utilized Indicate elevation datum used for the elevations in OMMENTS: ate of Review: <u>U-10-22</u>	construction of the building is complete. b, VE, V1-V30, V (with BFE), AR, AR/A, / ram specified in Item A7. Vertical Datum h items a) through h) below. INGVD	AR/AE, AR/A1-A30, AR/AH,	AR/AO. Complete

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

	SECTION A - PROPERTY INFORMATION					ANCE COMPANY US
A1. Building Ow JOSEPH STANL	ner's Name EY SANDEFU	R			Policy Numb	ber:
A2. Building Stre Box No. Lot 44, Mt. Gilea	et Address (ind d Road	cluding Apt., Unit, Suit	te, and/or Bldg. No.) c	or P.O. Route and	Company N	AIC Number:
City			State		ZIP Code	4
Murrells Inlet			South C	arolina	29576	
A3. Property De: LOT 44, Mt. Gile	scription (Lot a ad Community	nd Block Numbers, Ta , TMS# 470-00-02-0	ax Parcel Number, Le 004	gal Description, e	etc.)	
A4. Building Use	e (e.g., Resider	tial, Non-Residential,	Addition, Accessory,	etc.) residenti	al	
45. Latitude/Lon	gitude: Lat. 3	3.34'23" N	Long. 79.00'55" W	Horizont	al Datum: 🔲 NAD 1	927 🗙 NAD 1983
A6. Attach at lea	st 2 photograp	hs of the building if the	e Certificate is being	used to obtain flo	od insurance.	
47. Building Diag	gram Number	6				
48. For a buildin	g with a crawls	pace or enclosure(s):				
a) Square fo	ootage of crawl	space or enclosure(s)		315.00 sq ft		
b) Number o	f permanent fic	ood openings in the cr	awlspace or enclosur	e(s) within 1.0 fo	ot above adjacent gra	de 2
c) Total net	area of flood of	penings in A8.b	400.00 sq ii	n		
d) Engineer	ed flood openir	igs? X Yes	No			
	with an other					
49. For a building	y with an attact	leu galage.				
			NI/A and			
a) Square fo	otage of attach	ed garage	N/A sq f	t		
a) Square fo b) Number c	otage of attach	ed garage bod openings in the at	N/A sq f tached garage within	t 1.0 foot above a	djacent grade N/A	
a) Square fo b) Number c c) Total net :	otage of attach If permanent flo area of flood op	ed garage bod openings in the at benings in A9.b	N/A sq f tached garage within N/A so	t 1.0 foot above a q in	djacent grade <u>N/A</u>	
 a) Square for b) Number of c) Total net d) Engineered 	otage of attach of permanent flo area of flood op ed flood openin	ed garage bod openings in the at benings in A9.b gs? Yes _X t	N/A sq f ttached garage within N/A so No	t 1.0 foot above a g in	djacent grade <u>N/A</u>	
 a) Square for b) Number of c) Total net d) Engineered 	ootage of attach of permanent flo area of flood op ed flood openin	ed garage bod openings in the at benings in A9.b gs? Yes _X M ECTION B – FLOOD	N/A sq f ttached garage within N/A so No INSURANCE RATE	t 1.0 foot above a g in MAP (FIRM) IN	djacent grade <u>N/A</u>	
 a) Square for b) Number of c) Total net d) Engineere B1. NFIP Communication	ootage of attach of permanent flo area of flood op ad flood openin SE unity Name & C	ed garage bod openings in the at benings in A9.b gs? Yes t CTION B – FLOOD Community Number	N/A sq f tached garage within N/A so No INSURANCE RATE B2. County	t 1.0 foot above a g in MAP (FIRM) IN Name	djacent grade <u>N/A</u>	B3. State
 a) Square for b) Number of c) Total net d) Engineere B1. NFIP Community	ootage of attach of permanent flo area of flood op ed flood openin SE unity Name & C Communit	ed garage bod openings in the at benings in A9.b gs? Yes _X M ECTION B - FLOOD Community Number by # 450104	N/A sq f ttached garage within N/A so No INSURANCE RATE B2. County Horry	t 1.0 foot above a g in MAP (FIRM) IN Name	djacent grade <u>N/A</u>	B3. State South Carolina
 a) Square for b) Number of c) Total net d) Engineere B1. NFIP Community Horry County 4. Map/Panel Number	ootage of attach of permanent flo area of flood op ed flood openin SE unity Name & C Communit B5. Suffix	ed garage bod openings in the at benings in A9.b gs? ☐ Yes ⊠ M ECTION B – FLOOD Community Number ty # 450104 B6. FIRM Index Date	N/A sq f tached garage within N/A so No INSURANCE RATE B2. County Horry B7. FIRM Panel Effective/ Revised Date	t 1.0 foot above a g in MAP (FIRM) IN Name B8. Flood Zone(s)	IFORMATION B9. Base Flood E (Zone AO, use	B3. State South Carolina levation(s) e Base Flood Depth)
 a) Square for b) Number of c) Total net of d) Engineered 31. NFIP Communication of the second secon	ootage of attach of permanent flo area of flood op ed flood openin SE unity Name & C Communit B5. Suffix K	ed garage bod openings in the at benings in A9.b gs? Yes _X M CCTION B – FLOOD Community Number by # 450104 B6. FIRM Index Date 12-16-2021	N/A sq f ttached garage within N/A so No INSURANCE RATE B2. County Horry B7. FIRM Panel Effective/ Revised Date 12-16-2021	t 1.0 foot above a g in MAP (FIRM) IN Name B8. Flood Zone(s) AE	djacent grade <u>N/A</u> IFORMATION B9. Base Flood E (Zone AO, use 13	B3. State South Carolina levation(s) e Base Flood Depth)
 a) Square for b) Number of c) Total net if d) Engineered 31. NFIP Community 4. Map/Panel Number 5051C 0784 B10. Indicate the	ootage of attach of permanent flo area of flood op ad flood openin SE unity Name & C Communit B5. Suffix K	eed garage bood openings in the at benings in A9.b gs? ☐ Yes ⊠ M CCTION B – FLOOD Community Number by # 450104 B6. FIRM Index Date 12-16-2021 Base Flood Elevation	N/A sq f tached garage within N/A so No INSURANCE RATE B2. County Horry B7. FIRM Panel Effective/ Revised Date 12-16-2021	t 1.0 foot above a g in MAP (FIRM) IN Name B8. Flood Zone(s) AE	djacent grade <u>N/A</u> IFORMATION B9. Base Flood E (Zone AO, use 13 ed in Item B9:	B3. State South Carolina levation(s) e Base Flood Depth)
 a) Square for b) Number of c) Total net of d) Engineers B1. NFIP Community B1. NFIP Community A. Map/Panel Number S051C 0784 B10. Indicate the FIS Product of the produc	ootage of attach of permanent flo area of flood op ed flood openin SE unity Name & C Communit B5. Suffix K K e source of the ofile \boxtimes FIRM	eed garage bod openings in the at benings in A9.b gs? ☐ Yes ⊠ M CTION B – FLOOD Community Number ry # 450104 B6. FIRM Index Date 12-16-2021 Base Flood Elevation ☐ Community Deter	N/A sq f tached garage within N/A so No INSURANCE RATE B2. County Horry B7. FIRM Panel Effective/ Revised Date 12-16-2021	t 1.0 foot above a g in MAP (FIRM) IN Name B8, Flood Zone(s) AE flood depth entere	djacent grade <u>N/A</u> IFORMATION B9. Base Flood E (Zone AO, use 13 ed in Item B9:	B3. State South Carolina levation(s) e Base Flood Depth)
 a) Square for b) Number of c) Total net of d) Engineers B1. NFIP Community B1. NFIP Community A. Map/Panel Number S051C 0784 B10. Indicate the D FIS Property B11. Indicate elements	ootage of attach of permanent flo area of flood op ed flood openin SE unity Name & C Communit B5. Suffix K E source of the ofile X FIRM	eed garage bood openings in the at benings in A9.b gs? ☐ Yes ⊠ M CCTION B – FLOOD Community Number ty # 450104 B6. FIRM Index Date 12-16-2021 Base Flood Elevation ☐ Community Deter used for BFE in Item B	N/A sq f ttached garage within N/A sc No INSURANCE RATE B2. County Horry B7. FIRM Panel Effective/ Revised Date 12-16-2021	t 1.0 foot above a a in MAP (FIRM) IN Name B8. Flood Zone(s) AE flood depth enter urce: X NAVD 1988	IFORMATION B9. Base Flood E (Zone AO, use 13 ed in Item B9:	B3. State South Carolina levation(s) e Base Flood Depth)
 a) Square for b) Number of c) Total net if d) Engineers B1. NFIP Community B1. NFIP Community Gamma Community A. Map/Panel Number S051C 0784 B10. Indicate the Community Community B10. Indicate the Community B11. Indicate elements B12. Is the build	ootage of attach of permanent flo area of flood op ad flood openin SE unity Name & C Communit B5. Suffix K B5. Suffix K e source of the offile X FIRM evation datum	bed garage bod openings in the at benings in A9.b gs? Yes CTION B - FLOOD Community Number by # 450104 B6. FIRM Index Date 12-16-2021 Base Flood Elevation Community Detein used for BFE in Item E a Coastal Barrier Rese	N/A sq f tached garage within N/A sc No INSURANCE RATE B2. County Horry B7. FIRM Panel Effective/ Revised Date 12-16-2021 (BFE) data or base f rmined Other/So B9: NGVD 1929 ources System (CBR	t 1.0 foot above a a in MAP (FIRM) IN Name B8. Flood Zone(s) AE flood depth enter urce: X NAVD 1988 S) area or Otherv	djacent grade <u>N/A</u> IFORMATION B9. Base Flood E (Zone AO, use 13 ed in Item B9: Other/Source: vise Protected Area (6	B3. State South Carolina levation(s) e Base Flood Depth)
 a) Square for b) Number of c) Total net if d) Engineered B1. NFIP Community 4. Map/Panel Number 5051C 0784 B10. Indicate the D FIS Process B11. Indicate electronic B12. Is the build Designation	ootage of attach of permanent flo area of flood op ed flood openin SE unity Name & C Communit B5. Suffix K B5. Suffix K e source of the offile FIRM evation datum of ting located in a on Date:	eed garage bood openings in the at benings in A9.b gs? ☐ Yes ⊠ M CTION B – FLOOD Community Number by # 450104 B6. FIRM Index Date 12-16-2021 Base Flood Elevation ☐ Community Deter used for BFE in Item B a Coastal Barrier Resu	N/A sq f tached garage within N/A so No INSURANCE RATE B2. County Horry B7. FIRM Panel Effective/ Revised Date 12-16-2021 n (BFE) data or base f rmined Other/So B9: NGVD 1929 ources System (CBRS CBRS OPA	t 1.0 foot above a a in MAP (FIRM) IN Name B8, Flood Zone(s) AE flood depth enter urce: X NAVD 1988 S) area or Otherv	djacent grade <u>N/A</u> IFORMATION B9. Base Flood E (Zone AO, use 13 ed in Item B9: Other/Source: vise Protected Area ((B3. State South Carolina levation(s) e Base Flood Depth) e Base Flood Depth)

ELEVATION CERTIFICATE			OMB N Expirat	lo. 1660-0 ion Date: I	008 November 30, 2022
IMPORTANT: in these spaces, copy the	e corresponding information from	Section A.	FOR	NSURANO	CE COMPANY USE
Building Street Address (including Apt., L Lot 44, Mt. Gilead Road	Init, Suite, and/or Bldg. No.) or P.O.	. Route and Box No.	Policy	Number:	
City Murrells Inlet	State South Carolina	ZIP Code 29576	Compa	any NAIC	Number
SECTION C	- BUILDING ELEVATION INFOR	MATION (SURVEY R	EQUIRE	ED)	202.00
C1 Building elevations are based on:	Construction Drawings*	Building Under Constr	uction*	X Finis	hed Construction
*A new Elevation Certificate will be	required when construction of the t	puilding is complete.			
C2. Elevations – Zones A1–A30, AE, A Complete Items C2.a–h below acc	H, A (with BFE), VE, V1–V30, V (wi ording to the building diagram speci	ith BFE), AR, AR/A, AR fied in Item A7. In Puer	/AE, AR to Rico d	/A1–A30, / only, enter	AR/AH, AR/AO. meters.
Benchmark Utilized: BUCK RM 3 F	'ID# DD1488 Vertical Da	tum: NGVD88 EL= 6.69	3		
Indicate elevation datum used for the	ne elevations in items a) through h)	below.			
X NGVD 1929 NAVD	1988 Other/Source:	- DFF			
Datum used for building elevations	must be the same as that used for t	INE BEE.	Che	eck the me	asurement used.
a) Top of bottom floor (including ba	asement, crawlspace, or enclosure	floor)	8.0	X feet	meters
b) Top of the next higher floor	170 M 22		18.6	X feet	meters
c) Bottom of the lowest horizontal	structural member (V/Zones only)	and the second sec	N/A	☐ feet	meters
d) Attached garage (top of slab)			N/A	☐ feet	meters
 e) Lowest elevation of machinery of Construction of Machinery	or equipment servicing the building		18.0	X feet	meters
(Describe type of equipment and	i location in Comments)		63	IX feet	
f) Lowest adjacent (finished) grade	a next to building (LAG)	Artenica - Al	7.6		
g) Highest adjacent (finished) grad	e next to building (HAG)	÷	7.0	K leet	
 h) Lowest adjacent grade at lowes structural support 	t elevation of deck or stairs, includir	ng	7.6	X feet	meters
SECTION D	- SURVEYOR, ENGINEER, OR	ARCHITECT CERTIF	ICATIO	N	
This certification is to be signed and sea I certify that the information on this Certi statement may be punishable by fine or	led by a land surveyor, engineer, or ficate represents my best efforts to imprisonment under 18 U.S. Code,	r architect authorized by interpret the data availa Section 1001.	y law to o able. I un	certify elev	ation information. that any false
Were latitude and longitude in Section A	provided by a licensed land survey	ror? 🛛 Yes 🗆 No		Check her	e if attachments.
Certifier's Name	License Number				AHIMAN.
	27449		4	UNITH.	CARO
Title			1	S ONA	LANO
			- 11	5	aces
THarris Land Surveying, LLC			111	NO NO	27449 3
Address		A STATE OF THE STA		H	oro /
615 Gibson Ave.				1.00	al III
City Murrells Inlet	State South Carolina	ZIP Code 29576		in in in	D. HARMIN
Signature	Date 06-03-2022	Telephone (843) 457-0042	Ext.		
Copy all pages of this Elevation Certificate	and all attachments for (1) commun	ity official, (2) insurance	agent/co	mpany, an	d (3) building owner.
Comments (including type of equipment	and location, per C2(e), if applicabl	e)			
Structure is raised on piles, on a concre- tem C2-E Is an a/c unit on a raised plat There are (2) hydrostatic vents with dim- model type# 1540-570, and have a flood venting for 400 sq. ft.	te slab, with underneath enclosure. form located on the left side of dwe ensions 0.9' x 1.2' in the underneath I coverage of 200 sq ft per vent; Su 1C. papel 0734 H located in flood z	lling. a storage enclosure. Ve rveyor verifies the stora	nts used ge room	on structu on structu	ire are ire has allowable
outoure la permittee under rinna 4000	i el baner el el ri i ressitue in nove e	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -			
	Destance all annulaus	ditions			Form Page 2 of

FEMA Form 086-0-33 (12/19)

Replaces all previous en ons.

ELEVATION CERTIFICATE			C	xpiration Date	November 30, 2022
MPORTANT: In these spaces, copy the co	orresponding information f	rom Section A.	F	OR INSURAN	ICE COMPANY US
Building Street Address (including Apt., Unit Lot 44, Mt. Gilead Road	, Suite, and/or Bldg. No.) or F	P.O. Route and Be	ox No. I	Policy Number	
City Murrells Inlet	State South Carolina	ZIP Code 29576	(Company NAIC	Number
SECTION E – BUI	DING ELEVATION INFOR	RMATION (SUR	/EY NOT R SFE)	EQUIRED)	
For Zones AO and A (without BFE), complet complete Sections A, B,and C. For Items E1 enter meters.	e Items E1–E5. If the Certific –E4, use natural grade, if av	cate is intended to ailable. Check the	support a L measurem	OMA or LOMF ent used. In Pu	R-F request, uerto Rico only,
 Provide elevation information for the fol the highest adjacent grade (HAG) and t Top of bottom floor (including based) 	lowing and check the approp he lowest adjacent grade (L/	riate boxes to sho AG).	w whether t	he elevation is	above or below
crawlspace, or enclosure) is b) Top of bottom floor (including basen	nent,	feet	meters	above or	below the HAG
crawlspace, or enclosure) is		[] feet	meters	above or	below the LAG.
 For Building Diagrams 6–9 with perman the next higher floor (elevation C2.b in 	ient flood openings provided	in Section A Item	s 8 and/or 9	(see pages 1-	2 of Instructions),
the diagrams) of the building is	3	feet		above or	below the HAG.
E3. Attached garage (top of stab) is E4. Top of platform of machinery and/or equ	uipment			L] above or	
servicing the building is		feet	meters	above or	below the HAG
E5. Zone AO only: If no flood depth number floodplain management ordinance?	is available, is the top of the Yes No Unknow	e bottom floor elev wn. The local off	ated in acco icial must ce	ordance with th ertify this inform	e community's nation in Section G.
SECTION F - PROP	ERTY OWNER (OR OWNER	R'S REPRESENT	ATIVE) CEF	RTIFICATION	
The property owner or owner's authorized re community-issued BFE) or Zone AO must si Property Owner or Owner's Authorized Repr	presentative who completes ign here. The statements in s resentative's Name	Sections A, B, ar Sections A, B, and	nd E for Zon I E are corre	e A (without a ect to the best o	FEMA-issued or of my knowledge.
Address	C	Sity	Stat	e	ZIP Code
Signature	C	Date	Tele	phone	
			- Constant		
Comments					
				Check	here if attachments.
FEMA Form 086-0-33 (12/19)	Replaces all previ	ous editions.			Form Page 3 (

LEVATION CERTIFICATE			OMB No. 1660-0008 Expiration Date: November 30, 2022	
IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., Lot 44, Mt. Gilead Road	Unit, Suite, and/or Bldg. No.) or F	P.O. Route and Box No.	Policy Number:	
City Murrells Inlet	State South Carolina	ZIP Code 29576	Company NAIC Number	
	SECTION G - COMMUNITY INF	ORMATION (OPTIONAL	-)	
The local official who is authorized by la Sections A, B, C (or E), and G of this E used in Items G8–G10. In Puerto Rico G1. The information in Section C	aw or ordinance to administer the levation Certificate. Complete the only, enter meters. was taken from other documentat	community's floodplain n applicable item(s) and s tion that has been signed	anagement ordinance can complete ign below. Check the measurement	
data in the Comments area b G2. A community official complete	elow.) ed Section E for a building located	d in Zone A (without a FE	MA-issued or community-issued BFE)	
or Zone AO. G3. The following information (Ite	ms G4–G10) is provided for comr	munity floodplain manage	ement purposes.	
G4. Permit Number	G5. Date Permit Issued	G6	Date Certificate of Compliance/Occupancy Issued	
G7. This permit has been issued for:	New Construction	ubstantial Improvement		
G8. Elevation of as-built lowest floor (i of the building:	including basement)	fe	eet 🗌 meters Datum	
G9. BFE or (in Zone AO) depth of floo	ding at the building site:	fe	eet [] meters Datum	
G10. Community's design flood elevation	on:	fi	eet [] meters Datum	
Local Official's Name		Title		
Community Name		Telephone		
Signature		Date		
Comments (including type of equipmen	t and location, per C2(e), if applic	able)		

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008 Expiration Date: November 30, 2022

Clear Photo One

STAR REAL AND STREAM AND A DAMAGE AND AND A STREAM			
IMPORTANT: In these spaces, co	py the corresponding information	from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Lot 44, Mt. Gilead Road			Policy Number:
City	State	ZIP Code	Company NAIC Number
Murrells Inlet	South Carolina	29576	

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 of dwelling photo taken 06-02-22



 Photo Two Caption
 photo of hydrostatic vent/ underneath storage
 photo taken 11-07-21
 Clear Photo Two

 FEMA Form 086-0-33 (12/19)
 Replaces all previous editions.
 Form Page 5 of 6

FI EVATION CERTIFICATE

BUILDING PHOTOGRAPHS

OMB No. 1660-0008 ------

LELVATION OLIVITIONIE	Continuation	Fage	Expiration Date. November 30, 2022	
IMPORTANT: In these spaces, copy the co	rresponding information f	rom Section A.	FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Lot 44, Mt. Gilead Road			Policy Number:	
City	State	ZIP Code	Company NAIC Number	
Murrells Inlet	South Carolina	29576		

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 Three Caption rear view of dwelling photo taken 06-02-22

Clear Photo Three



Replaces all previous editions.





Most Widely Accepted and Trusted

ESR-2074

ICC-ES Evaluation Report

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

Reissued 02/2021 Revised 04/2021 This report is subject to renewal 02/2023.

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

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

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 FLOOD VENT SEALING KIT #1540-526



"2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence"







- 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.

4.2 Flood Vent Sealing Kit

The Flood Vent Sealing Kit Model 1540-526 is used in conjunction with FloodVENT® Model #1540-520. When installed and tested in accordance with ASTM E283, the FV and Flood Vent Sealing Kit assembly have an air leakage rate of less than 0.2 cubic feet per minute per lineal foot (18.56 l/min per lineal meter) at a pressure differential of 1 pound per square foot (50 Pa) based on 12.58 lineal feet (3.8 lineal meters) contained by the Flood Vent Sealing Kit.

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

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015 (editorially revised February 2021).
- 6.2 Test report on air infiltration in accordance with ASTM E283.

7.0 IDENTIFICATION

- 7.1 The Smart VENT® models and the Flood Vent Sealing Kit described 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).
- 7.2 The report holder's contact information is the following:

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

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

TABLE 1-MODEL SIZES

For SI: 1 inch = 25.4 mm; 1 square foot = m²



FIGURE 1-SMART VENT: MODEL 1540-510

S EVALUATION

ESR-2074 CBC and CRC Supplement

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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:

SMART VENT PRODUCTS, INC.

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 FLOOD VENT SEALING KIT #1540-526

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Smart Vent[®] Automatic Foundation Flood Vents, described in ICC-ES evaluation report ESR-2074, have also been evaluated for compliance with codes noted below.

Applicable code editions:

2019 California Building Code (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) and Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

2019 California Residential Code (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-2074, comply with 2019 CBC Chapter 12, provided the design and installation are in accordance with the 2018 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 12 and 16, as applicable.

2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

2.2 CRC:

The Smart Vent[®] Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-2074, comply with the 2019 CRC, provided the design and installation are in accordance with the 2018 International Residential Code[®] (IRC) provisions noted in the evaluation report.

This supplement expires concurrently with the evaluation report, reissued February 2021 and revised April 2021.

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

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

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 FLOOD VENT SEALING KIT #1540-526

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Smart Vent® Automatic Foundation Flood Vents, described in ICC-ES evaluation report ESR-2074, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2020 Florida Building Code—Building
- 2020 Florida Building Code—Residential

2.0 CONCLUSIONS

The Smart Vent[®] Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-2074, comply with the *Florida Building Code—Building* and the *Florida Building Code-Residential*, provided the design requirements are determined in accordance with the *Florida Building Code-Building* or the *Florida Building Code-Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-2074 for 2018 International Building Code[®] meet the requirements of the *Florida Building Code-Building* or the *Florida Building Code-Residential*, as applicable.

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 *Florida Building Code—Building* and the *Florida Building Code—Residential*.

For products falling under Florida Rule 61G20-3, 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).

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FIGURE 2-SMART VENT MODEL 1540-520



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



FIGURE 4-FLOOD VENT SEALING KIT



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

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

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 FLOOD VENT SEALING KIT #1540-526

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, 2015, 2012, 2009 and 2006 International Building Code[®] (IBC)
- 2021, 2018, 2015, 2012, 2009 and 2006 International Residential Code[®] (IRC)
- 2021, 2018 International Energy Conservation Code[®] (IECC)

2013 Abu Dhabi International Building Code (ADIBC)[†]

[†]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[®] 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 described in this report do not offer natural ventilation.

3.4 Flood Vent Sealing Kit:

The Flood Vent Sealing Kit Model #1540-526 is used with SmartVENT[®] Model #1540-520. It is a Homasote 440 Sound Barrier[®] (ESR-1374) insert with 21 – 2-inch-by-2-inch (51 mm x 51 mm) squares cut in it. See Figure 4.

4.0 DESIGN AND INSTALLATION

4.1 SmartVENT[®] and FloodVENT[®]:

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.

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ICC-ES Evaluation Report

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

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

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 FLOOD VENT SEALING KIT #1540-526



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- 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.
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The Flood Vent Sealing Kit Model 1540-526 is used in conjunction with FloodVENT® Model #1540-520. When installed and tested in accordance with ASTM E283, the FV and Flood Vent Sealing Kit assembly have an air leakage rate of less than 0.2 cubic feet per minute per lineal foot (18.56 I/min per lineal meter) at a pressure differential of 1 pound per square foot (50 Pa) based on 12.58 lineal feet (3.8 lineal meters) contained by the Flood Vent Sealing Kit.

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:

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- 7.2 The report holder's contact information is the following:

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

TABLE 1-MODEL SIZES				
MODEL NAME	MODEL NUMBER	MODEL SIZE (in.)	COVERAGE (sq. ft.)	
FloodVENT®	1540-520	15 ³ /4" X 7 ³ /4"	200	
SmartVENT®	1540-510	15 ³ /4" X 7 ³ /4"	200	
FloodVENT [®] Overhead Door	1540-524	15 ³ /4" X 7 ³ /4"	200	
SmartVENT [®] Overhead Door	1540-514	15 ³ /4" X 7 ³ /4"	200	
Wood Wall FloodVENT®	1540-570	14" X 8 ³ /4"	200	
Wood Wall FloodVENT® Overhead Door	1540-574	14" X 8 ³ /4"	200	
SmartVENT [®] Stacker	1540-511	16" X 16"	400	
FloodVent [®] Stacker	1540-521	16" X 16"	400	

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



FIGURE 1-SMART VENT: MODEL 1540-510



ESR-2074 CBC and CRC Supplement

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

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

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 FLOOD VENT SEALING KIT #1540-526

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The purpose of this evaluation report supplement is to indicate that Smart Vent® Automatic Foundation Flood Vents, described in ICC-ES evaluation report ESR-2074, have also been evaluated for compliance with codes noted below.

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2019 California Residential Code (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The Smart Vent[®] Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-2074, comply with 2019 CBC Chapter 12, provided the design and installation are in accordance with the 2018 *International Building Code*[®] (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 12 and 16, as applicable.

2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

2.2 CRC:

The Smart Vent[®] Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-2074, comply with the 2019 CRC, provided the design and installation are in accordance with the 2018 International Residential Code[®] (IRC) provisions noted in the evaluation report.

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