U.S. DEPARTMENT OF HOMELAND SECURITY FEDERAL EMERGENCY MANAGEMENT AGENCY

National Flood Insurance Program

ELEVATION CERTIFICATE

IMPORTANT: FOLLOW THE INSTRUCTIONS ON PAGES 8-15

OMB Control Number: 1660-0008 Expiration: 11/30/2018 Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION FOR INSURANCE COMPANY USE A1. Building Owner's Name Policy Number: BROWN CHARLES A & VIVIAN C A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Company NAIC Number: 410 RIVER FRONT S Zip Code 295210 City CONWAY SC A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) TAS# 170-17-01-040 Lot 32 Bucksville A4_Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) A5. Latitude/Longitude: Lat. 33-43-34N Long. 79-2-46W Horizontal Datum: ONAD 1927 A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance. A7. Building Diagram Number 6 A9. For a building with an attached garage: A8. For a building with a crawispace or enclosure(s): a) Square footage of crawlspace or enclosure(s) 368 _____ sq ft a) Square footage of attached garage NA _____ b) Number of permanent flood openings b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot in the attached garage within 1.0 foot above adjacent grade above adjacent grade 2 198 sq in c) Total net area of flood openings in A9.b NA c) Total net area of flood openings in A8.b d) Engineered flood openings? OYes ONo SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION B3. State B2. County Name B1. NFIP Community Name & Community Number SC HORRY COUNTY HORRY COUNTY 450104 B4. Map/Panel Number B5. Suffix B6. FIRM Index Date B7. FIRM Panel Effective/ B8. Flood Zone(s) B9. Base Flood Elevation(s) (Zone AO, use base flood Revised Date depth AUGUST 23, 1999 AE 45051C0660 9/17/2003 6 B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: OFIS Profile OFIRM Ocommunity Determined Other/Source: B12 Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? OYes ONo CBRS OPA Designation Date: SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED) C1. Building elevations are based on: OConstruction Drawings* OBuilding Under Construction* ()Finished Construction A new Elevation Certificate will be required when construction of the building is complete. C2. Elevations: Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. Vertical Datum: 1988 Benchmark Utilized: VRS GPS Indicate elevation datum used for the elevations in items a) through h) below. ONGVD 1929 ONAVD 1988 Other/Source: Check the measurement used. Datum used for building elevations must be the same as that used for the BFE. 55 6 feet meters a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 65 16 efeet meters b) Top of the next higher floor NA ☐feet ☐meters e) Bottom of the lowest horizontal structural member (V Zones only) NA feet meters d) Attached garage (top of slab) e) Lowest elevation of machinery or equipment servicing the building 11 10 Treet meters (Describe type of equipment and location in Comments) 40 feet meters A Lowest adjacent (finished) grade next to building (LAG) feet meters 74 a) Highest adjacent (finished) grade next to building (HAG) h) Lowest adjacent grade at lowest elevation of deck or stairs, including . 40 e feet meters structural support

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IMPORTANT: In these spaces, copy the	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Ur	nit, Suite, and/or Bldg. No.) o	P.O. Route and Box No.	
410 RIVER FRONT S	Policy Number:		
City CONWAY	State SC	Zip 200e 24526	Company NAIC Number:
SECTION	D - SURVEYOR, ENGINEE	R, OR ARCHITECT CERT	TIFICATION
	sents my best efforts to inter	pret the data available. I under the data available. I under the data available.	y law to certify elevation information. I certify inderstand that any false statement may be CAR
Certifier's Name	Lice	nse Number	SO ON
Everrett Johnson	3	0766	3 3
Title	Company Name		E 6 No. 30786 7 E
Owner	JW Prof. Land S	urveyors, LLC	No. 30766
Address 3370 Truluck Johnson Rd	City	State Zip Code SC 29511	
Signature	Date 12/20/2018	Telephone 843-241-3800	TI JOHNSON
		<u>. </u>	
Copy all pages of this Elevation Certificate Comments (including type of equipment an			(, and (3) building owner.
Signature SECTION E - BUILDING ELEVATION For Zones AO and A (without BFE), comple Sections A, B, and C. For Items E1-E4, use E1. Provide elevation information for the fo highest adjacent grade (HAG) and the	ete Items E1-E5. If the Certifi e natural grade, if available. (llowing and check the appro	cate is intended to suppor Check the measurement un oriate boxes to show wheth	sed. In Puerto Rico only, enter meters.
a) Top of bottom floor (including basen or enclosure) is	nent, crawlspace,	[feetm	neters above or below the HAG.
 b) Top of bottom floor (including basen or enclosure) is 	nent, crawlspace,	leet n	neters above or below the LAG.
E2. For Building Diagrams 6-9 with permar higher floor (elevation C2.b in the diagrams		processed. Secondary	or 9 (see page 8 of Instructions), the next neters above or below the HAG.
E3. Attached garage (top of slab) is			neters above or below the HAG.
E4. Top of platform of machinery and for elservicing the building is	quipment	Dreet Dr	
		e bottom floor elevated in a flicial must certify this infor	accordance with the community's floodplain mation in Section G.
SECTION F - PR	OPERTY OWNER (OR OW	NER'S REPRESENTATIV	E) CERTIFICATION
The property owner or owner's authorized community-issued BFE) or Zone AO must	representative who complet	es Sections A, B, and E fo	r Zone A (without a FEMA-issued or
Property Owner or Owner's Authorized Re	epresentative's Name		
Address	City	State	ZIP Code
Signature	Date	Telephone	
Comments	A DOMESTIC OF THE PARTY OF THE		
			Check here if attachments

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The local official who is authorized by law or ording Sections A, B, C (or E), and G of this Elevation C terms G8-G10. In Puerto Rico only, enter meters. G1. The information in Section C was taken or architect who is authorized by law to Comments area below.) G2. A community official completed Section	State SC ON G - COMMUNITY INFO	ip Code 29,526 DRMATION (OPTIONAL mmunity's floodplain man plicable item(s) and sign that has been signed an	nagement ordinance can complete below. Check the measurement used in
City CONWAY SECTI The local official who is authorized by law or ordinated by law local law or architect who is authorized by law to Comments area below.) A community official completed Section	ON G - COMMUNITY INFO nance to administer the con- ertificate. Complete the ap	29526 DRMATION (OPTIONAL mmunity's floodplain man plicable item(s) and sign that has been signed an	Company NAIC Number:) nagement ordinance can complete below. Check the measurement used in
CONWAY SECTI he local official who is authorized by law or ordir sections A, B, C (or E), and G of this Elevation C erns G8-G10. In Puerto Rico only, enter meters. The information in Section C was taken or architect who is authorized by law to Comments area below.) A community official completed Section	ON G - COMMUNITY INFO nance to administer the con- ertificate. Complete the ap	29526 DRMATION (OPTIONAL mmunity's floodplain man plicable item(s) and sign that has been signed an	Number:) nagement ordinance can complete below. Check the measurement used in
he local official who is authorized by law or ordinections A, B, C (or E), and G of this Elevation C erns G8-G10. In Puerto Rico only, enter meters. The information in Section C was taken or architect who is authorized by law to Comments area below.) A community official completed Section	nance to administer the cor ertificate. Complete the ap from other documentation	mmunity's floodplain man plicable item(s) and sign that has been signed an	nagement ordinance can complete below. Check the measurement used in
ections A, B, C (or E), and G of this Elevation C ems G8-G10. In Puerto Rico only, enter meters. The information in Section C was taken or architect who is authorized by law to Comments area below.) A community official completed Section	ertificate. Complete the ap from other documentation	plicable item(s) and sign that has been signed an	below. Check the measurement used in
or architect who is authorized by law to Comments area below.) A community official completed Section	from other documentation certify elevation information	that has been signed an	d sealed by a licensed surveyor, enginee
			nd date of the elevation data in the
or Zone AO.	E for a building located in	Zone A (without a FEMA	-Issued or community-issued BFE)
33. The following information (Items G4-G1			
34. Permit Number	G5. Date Permit Issued	G6. Date Certific	ate of Compliance/Occupancy Issued
7. This permit has been issued for: (New Co	onstruction C Substantial	Improvement	
 Elevation of as-built lowest floor (including b of the building: 	asement)·_	C feet C meter	s Datum
89. BFE or (in Zone AO) depth of flooding at the building site:	·	C feet C meter	rs Datum
G10. Community's design flood elevation:	REPAIR .	C feet C meter	rs Datum
ocal Official's Name	Title		
Community Name	Tele	ephone	
Signature	Dat	e	

BUILDING PHOTOGRAPHS

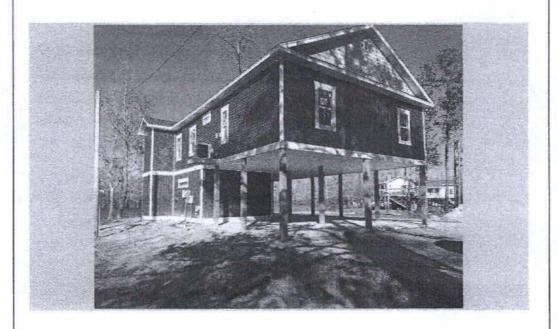
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See instructions for Item A6.

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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. 410 RIVER FRONT S				FOR INSURANCE COMPANY USE	
				Policy Number:	
City CONWAY		State SC	Zip Code 29526	Company NAIC Number:	

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front view" and Rear view"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.





84804

Certificate of Engineered Flood Openings

I do hereby certify that the American Flood Vent, model number FV-1 and FV-2, properly installed and sized in accordance with the Federal Emergency Management Agency's National Flood program regulations (44 CFR 60.3(c)(5)) and National Flood Insurance Program, Technical Bulletin (TB) 1-August 2008 is designed to automatically equalize hydrostatic flood forces on the exterior walls by allowing for entry and exit of floodwater during floods up to and including the base (100 year) flood.

I also herby certify that I calculated the Non-Engineered, Net free Air and Engineered opening size for each model and size of the Flood Louvers. The Engineered size openings calculations were performed by using the formula in the TB-1- August 2008, Opening in Foundation Walls for Buildings Located in Special Flood Hazard Areas in accordance with the National Flood Insurance Program and ASCE/SEI 24-05 Flood Resistance Design and Construction. I measured the size of each louver and the size of all obstructions to determine the Non-Engineered and Net-Free opening size for each model.

l also hereby certify that I calculated the Non-Engineered, Net free Air and Engineered opening size of each model and size of the Flood Louvers meets IRC - NJ - 2009 - 322..2(2.2) AND Section 2.6.2.2 of ASCE 24.

Each individual opening, and any louver, or other covers, shall be designed to allow automatic entry and exit of floodwaters during design flood or lesser flood conditions: there shall be a minimum of two openings on different sides of each enclosed area: if a has more than one enclosure below the BFE, each area shall have openings, the bottom of each required opening shall be no more than 1 ft above the adjacent ground level: the difference between the exterior and interior floodwater levels shall not exceed 1 ft during base flood conditions: in the absence of reliable flood data on the rates of rise and fall, assume the minimum rate of rise and fall of 5 ft/hr: where data or analysis indicates more rapid rates of rise and fall, the total net area of all required openings shall be increased to account for higher rates of rise and fall.

Each vent Models FV-1 and FV-2 have been engineered to have 95 square inches of net free air and 250 square inches of flood opening with a louver that opens more than 4 inches to allow the flow of debris.

American Floodvent and the engineer of record will not assume liability if the product is not properly installed as set forth by Rules of FEMA document (TB-1 2008) and ASME-24. The flood vents are being installed at the following location:

Address:

JAMBS W. GARIKELL, JR.)
State of Texas Registered Professional Engineer,
License Number 22590, F-4534