

Important: Read the instructions on pages 1-9.

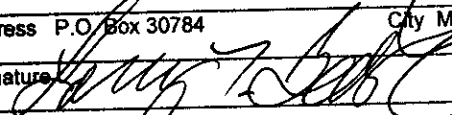
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3/2/12

SECTION A - PROPERTY INFORMATION		For Insurance Company Use:	
A1. Building Owner's Name C & M Investments of Lancaster		Policy Number	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 110 Oak Drive		Company NAIC Number	
City Garden City Beach State SC ZIP Code 29576			
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 6 Block 37 Garden City Tax Map: 195-14-10-006			
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)		Residential	
A5. Latitude/Longitude: Lat. <u>N33d 34' 50.4"</u> Long. <u>W078d 59' 46.0"</u>		Horizontal Datum: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983	
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.			
A7. Building Diagram Number 5			
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:	
a) Square footage of crawlspace or enclosure(s)	<u>N/A</u> sq ft	a) Square footage of attached garage	<u>N/A</u> sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade	<u>N/A</u>	b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade	<u>N/A</u>
c) Total net area of flood openings in A8.b	<u>N/A</u> sq in	c) Total net area of flood openings in A9.b	<u>N/A</u> sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Permit
163452

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number Horry County 450104		B2. County Name Horry		B3. State SC	
B4. Map/Panel Number 45051C0753	B5. Suffix H	B6. FIRM Index Date 9-17-2003	B7. FIRM Panel Effective/Revised Date 8-23-1999	B8. Flood Zone(s) VE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 17'
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: <input checked="" type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)	
C1. Building elevations are based on: <input type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input checked="" type="checkbox"/> 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. Use the same datum as the BFE. Benchmark Utilized <u>OCRM Monument 5010 D</u> Vertical Datum <u>NGVD 29</u> Conversion/Comments <u>N/A</u>	
Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	<u>19.8</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor	<u>N/A.</u> <input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>18.5</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab)	<u>N/A.</u> <input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	<u>19.5.</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG)	<u>6.3</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG)	<u>7.0</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>7.0.</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION	
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. <input checked="" type="checkbox"/>	
Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Certifier's Name <u>Larry T. Beasley</u>	License Number <u>SCPLS 9544</u>
Title <u>Land Surveyor</u>	Company Name <u>Beasley Land Surveying, Inc.</u>
Address <u>P.O. Box 30784</u>	City <u>Myrtle Beach</u> State <u>SC</u> ZIP Code <u>29588</u>
Signature 	Date <u>Apr. 4, 2012</u> Telephone <u>843-650-7722</u>

Larry T. Beasley

Note: The V Zone design certificate is not a substitute for the NFIP Elevation Certificate (see Fact Sheet No. 1.4, Lowest Floor Elevation), which is required to certify as-built elevations needed for flood insurance rating.

V ZONE DESIGN CERTIFICATE

Name: C+M Investments of Lancaster Policy Number (Insurance Co Use) _____
 Building Address or Other Description: 110 Oak Drive
 Permit No. _____ City: Camden City State: SC Zip Code: 29576

SECTION I: Flood Insurance Rate Map (FIRM) Information

Community No. 45004 Panel No. 0753 Suffix H FIRM Date: 8-23-99 FIRM Zone(s) VE

SECTION II: Elevation Information Used for Design

[NOTE: This section documents the elevations/depths used or specified in the design - it does not document surveyed elevations and is not equivalent to the as-built elevations required to be submitted during or after construction.]

- 1. FIRM Base Flood Elevation (BFE)..... 17.0 feet*
 - 2. Contingency's Design Flood Elevation (DFE)..... 18.0 feet*
 - 3. Elevation of the Bottom of Lowest Horizontal Structural Member..... 18.0 feet*
 - 4. Elevation of Lowest Adjacent Grade..... 6.3 feet*
 - 5. Depth of Anticipated Scour/Erosion used for Foundation Design..... 1.0 feet
 - 6. Embedment Depth of Piling or Foundation Below Lowest Adjacent Grade..... 1.7 feet
- * Indicate elevation datum used in 1-4: NAVD89 NAVD88 Other

SECTION III: V Zone Design Certification Statement

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

- The bottom of the lowest horizontal structural member of the lowest floor (excluding piles and columns) is elevated to or above the BFE.
- The pile and column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of the wind and water loads acting simultaneously on all building components. Water loading values used are those associated with the base flood***. Wind loading values used are those required by the applicable State or local building code. The potential for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action.

SECTION IV: Breakaway Wall Design Certification Statement

NOTE: This section must be certified by a registered engineer or architect when breakaway walls are designed to have a resistance of more than 20 psf (0.96 kN/m2) determined using allowable stress design.

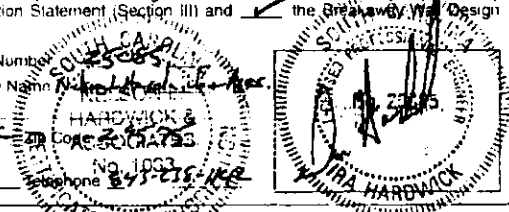
I certify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction of breakaway walls to be constructed under the above-referenced building and (2) that the design and methods of construction specified to be used are in accordance with accepted standards of practice** for meeting the following provisions:

- Breakaway wall collapse shall result from a water load less than that which would occur during the base flood***.
- The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (see Section III).

SECTION V: Certification and Seal

This certification is to be signed and sealed by a registered professional engineer or architect, authorized by law to certify structural designs. I certify the V Zone Design Certification Statement (Section III) and the Breakaway Wall Design Certification Statement (Section IV, check if applicable).

Certifier's Name: Iron Hardwick License Number: 25585
 Title: Professional Engineer Company Name: Iron Hardwick & Associates
 Address: 210 S. Hwy. N. Suite 102
 City: Southside, PA State: SC Zip Code: 29576
 Signature: [Signature] Date: 2/4/11 Telephone: 853-215-1122



1.5 V ZONE DESIGN AND CONSTRUCTION CERTIFICATION
 HOME BUILDER'S GUIDE TO COASTAL CONSTRUCTION

GENERAL

Nelson L. Hardwick & Associates, Inc.

P.O. Box 15909 Surfside, SC 29587 - 5th Ave. NW - Suite 102 Ardis Offices
Phone: 843-238-1142 - Fax: 843-238-1711

February 24, 2015

Horry County Code Enforcement
1301 2nd Avenue, Suite 1D09
Conway, SC 29526

Re: 110 Oak Avenue
Garden City

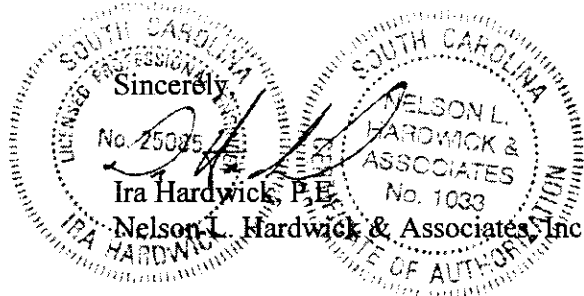
Plan Reviewer for Horry County

OK 

To Whom It May Concern:

The purpose of this letter is to address the storage enclosure located beneath the structure at the above referenced site. The storage enclosure is constructed of nonstructural louvered inserts which are designed to allow floodwaters to pass into and out of the enclosed area. These inserts are designed to collapse under wave loads without causing structural damage to the elevated building or the supporting piling foundation.

Should you have any questions or concerns please contact me at 843-340-2563 or ira@sc.rr.com.



SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

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.

110 Oak Drive

City Garden City Beach State SC ZIP Code 29576

For Insurance Company Use: -

Policy Number

Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

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

Comments This certificate is nontransferable and may not be used for any other person(s) or entities.

A 9' x 12' louvered room on slab at elevation 13.0'. C2e is HVAC PLATFORM

Signature

Date Apr. 4, 2012

 Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. 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).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters above or below the HAG.
- E5. 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 Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name

Address

City

State

ZIP Code

Signature

Date

Telephone

Comments

 Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

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 and G9.

- 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.)
- 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.
- G3. The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. Permit Number

G5. Date Permit Issued

G6. Date Certificate Of Compliance/Occupancy Issued

G7. This permit has been issued for: New Construction Substantial ImprovementG8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters (PR) Datum _____G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters (PR) Datum _____G10. Community's design flood elevation _____ feet meters (PR) Datum _____

Local Official's Name

Title

Community Name

Telephone

Signature

Date

Comments

 Check here if attachments