

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

# ELEVATION CERTIFICATE

OMB No. 1660-0008  
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

**SECTION A - PROPERTY INFORMATION**

A1. Building Owner's Name C & M Investments of Lancaster		For Insurance Company Use:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 130 North Waccamaw Drive		Policy Number
City Garden City Beach State SC ZIP Code 29576		Company NAIC Number
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 9 Block 27 Garden City Tax Map: 195-14-13-008 & 087		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <span style="float: right;">Residential</span>		
A5. Latitude/Longitude: Lat. N33d 34'39.0" Long. W078d 59' 52.5" Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" 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) N/A sq ft		a) Square footage of attached garage N/A sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade N/A		b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade N/A
c) Total net area of flood openings in A8.b N/A sq in		c) Total net area of flood openings in A9.b N/A 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

**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) 20'
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:  Construction Drawings\*  Building 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. Use the same datum as the BFE.  
Benchmark Utilized OCRM Monument 5010 D Vertical Datum NGVD 29  
Conversion/Comments N/A

		Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 22.7	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)	
b) Top of the next higher floor 32.0	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)	
c) Bottom of the lowest horizontal structural member (V Zones only) 21.1	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)	
d) Attached garage (top of slab) N/A	<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) 22.1	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)	
f) Lowest adjacent (finished) grade next to building (LAG) 7.7	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)	
g) Highest adjacent (finished) grade next to building (HAG) 8.2	<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 9.6	<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)	

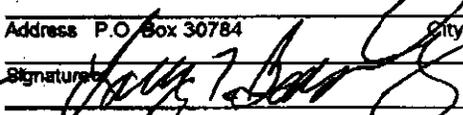
**SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION**

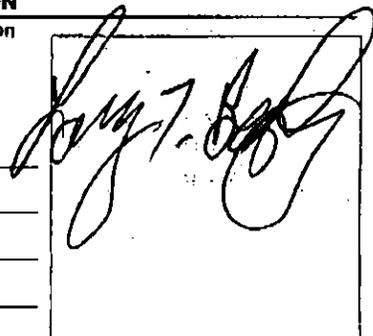
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001   
Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No

Certifier's Name Larry T. Beasley License Number SCPLS 9544

Title Land Surveyor Company Name Beasley Land Surveying, Inc.

Address P.O. Box 30784 City Myrtle Beach State SC ZIP Code 29588

Signature  Date May 13, 2013 Telephone 843-650-7722



SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

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

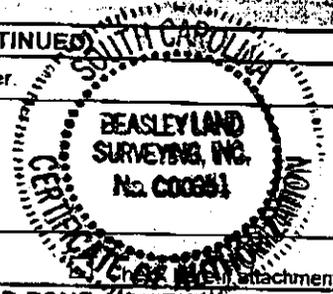
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
130 North Waccamaw Drive
City, Garden City Beach State SC ZIP Code 29578

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. This is a final construction certificate. C2e is HVAC platform; A 9.4 x 12.3' enclosed storage area on slab withouvered siding at floor elevation 10.3'



Signature [Handwritten Signature]

Date May 13, 2013

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 Improvement
G8. 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

### V-ZONE CERTIFICATION

#### PROPERTY INFORMATION

Name: C&M Investments of Lancaster, LLC		
Street Address: 130 North Waccamaw Drive		
Other Description: TMS#195-14-13-087		
City: Garden City	State: SC	Zip: 29576

#### FLOOD INSURANCE RATE MAP INFORMATION

Community Name & No.: Horry County 450104		Panel No.: 45051C0753	
Date of FIRM: 8-23-99	Suffix: H	FIRM Zone: VE	BFE: 20

#### ELEVATION INFORMATION USED FOR DESIGN

1. FIRM Base Flood Elevation (BFE).....	20.0 ft.
2. Elevation of the Bottom of Lowest Horizontal Structural Member.....	21.1 ft.
3. Elevation of Lowest Adjacent Grade.....	7.7 ft.
4. Depth of Anticipated Scour/Erosion used for Foundation Design.....	4 ft.
5. Embedment Depth of Pilings or Foundation Below Adjacent Grade.....	15 ft.
Indicate Elevation Datum Used in 1-4: <input checked="" type="checkbox"/> NGVD29 <input type="checkbox"/> NAVD88 <input type="checkbox"/> Other	

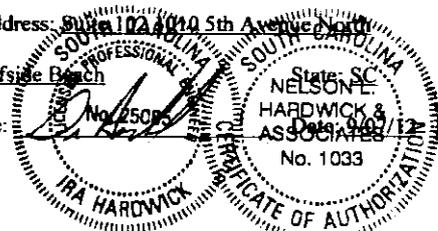
#### V-ZONE CERTIFICATION STATEMENT

I certify that based upon development and/or review of structural design, specifications, and plans for construction including consideration of the hydrostatic, hydrodynamic, and impact loading involved, the design and methods of construction 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 the pilings or columns) is elevated to or above the base flood elevation.
- The pile or column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of 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.

#### CERTIFICATION

Certifier's Name: Ira Hardwick License No.: SC 25085  
 Company Name: Nelson L. Hardwick & Associates, Inc. Title: Engineer  
 Street Address: Suite 102, 110 5th Avenue North  
 City: Surfside Beach State: SC Zip: 29575  
 Signature: [Signature] No. 25085 Date: 8/03/12 Telephone: (843)238-1142  
 No. 1033



# ***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 2<sup>nd</sup> Avenue, Suite 1D09  
Conway, SC 29526

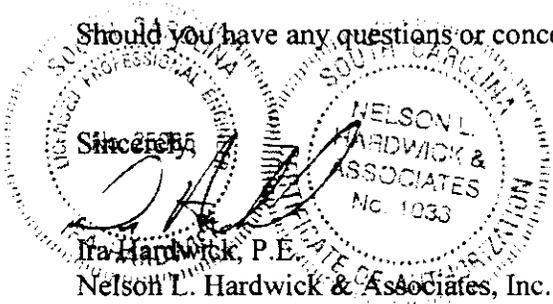
Re: 130 North Ocean Blvd.  
Garden City

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](mailto:ira@sc.rr.com).

Sincerely,  
  
Ira Hardwick, P.E.  
Nelson L. Hardwick & Associates, Inc.



Plan Reviewer for Horry County

OK 