

# ELEVATION CERTIFICATE

OMB No. 1660-0008  
Expires February 28, 2009

Important: Read the instructions on pages 1-8.

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OK  
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6-23-11

SECTION A - PROPERTY INFORMATION		For Insurance Company Use:
A1. Building Owner's Name Long Bay Ventures, LLC		Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5012 South Ocean Blvd City Myrtle Beach State SC ZIP Code 29577		Company NAIC Number
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 1 Block 6 Longbay Estates (TMS: 192-02-01-012)		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>		
A5. Latitude/Longitude: Lat. <u>33-38-23.81</u> Long. <u>-78-56-24.20</u>		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 <u>5</u>		
A8. For a building with a crawl space or enclosure(s), provide a) Square footage of crawl space or enclosure(s) <u>46</u> sq ft b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade <u>0</u> c) Total net area of flood openings in A8.b <u>0</u> sq in		A9. For a building with an attached garage, provide: a) Square footage of attached garage <u>0</u> sq ft b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade <u>0</u> c) Total net area of flood openings in A9.b <u>0</u> sq in

## 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 45051C / 694	B5. Suffix H	B6. FIRM Index Date 9/17/03	B7. FIRM Panel Effective/Revised Date 8/23/99	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.  
 FIS Profile  FIRM  Community Determined  Other (Describe) \_\_\_\_\_

B11. Indicate elevation datum used for BFE in Item B9:  NGVD 1929  NAVD 1988  Other (Describe) \_\_\_\_\_

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?  Yes  No  
 Designation Date \_\_\_\_\_  CBRS  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-g below according to the building diagram specified in Item A7.  
 Benchmark Utilized 5240B Vertical Datum 1929  
 Conversion/Comments none

Check the measurement used.

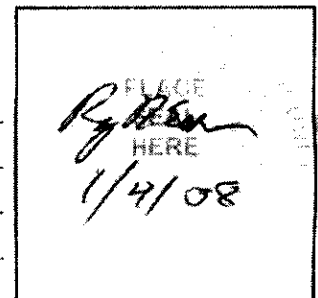
a) Top of bottom floor (including basement, crawl space, or enclosure floor)	<u>9.70</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor	<u>21.30</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>18.80</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 in Comments)	<u>9.70</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade (LAG)	<u>9.4</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade (HAG)	<u>9.6</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.

Check here if comments are provided on back of form.

Certifier's Name Ray R. Eshelman	License Number 22753
Title Land Surveyor	Company Name The Earthworks Group COA CO1383
Address 11655 Hwy. 707	City Murrells Inlet State SC ZIP Code 29576
Signature <i>Ray R. Eshelman</i>	Date 01/04/2008 Telephone 843-651-7900



<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>	<b>For Insurance Company Use:</b>
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 5012 South Ocean Blvd	Policy Number
City Myrtle Beach State SC ZIP Code 29577	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 A8 Enclosed elevator.  
C2.-e Base of enclosed elevator  
(pictures attached)

Signature  Date 01/04/2008  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, crawl space, or enclosure) is \_\_\_\_\_  feet  meters  above or  below the HAG.
- b) Top of bottom floor (including basement, crawl space, or enclosure) is \_\_\_\_\_  feet  meters  above or  below the LAG.
- E2. For Building Diagrams 6-8 with permanent flood openings provided in Section A Items 8 and/or 9 (see page 8 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
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- 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 \_\_\_\_\_

Local Official's Name \_\_\_\_\_ Title \_\_\_\_\_

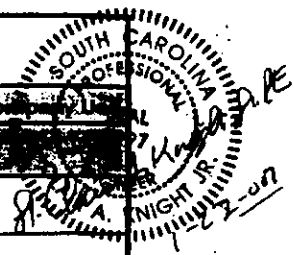
Community Name \_\_\_\_\_ Telephone \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Comments \_\_\_\_\_

Check here if attachments

**National Flood Insurance Program  
V-Zone Certification**



<b>Property Information</b>		Engineer's Company/USP Knight Engineering Service
Name of Structure Owner Longbay Ventures, LLC		Professional Engineer St. Clair A. Knight, Jr.
Structure Address or Other Description Lot 1, Longbay Estates		
City Myrtle Beach	State SC	Zip Code

**SECTION I: FLOOD INSURANCE RATE MAP (FIRM) INFORMATION**  
*Note: to be obtained from appropriate FIRMs*

1. Community Number 450104	2. Panel Number 45051-694	3. Scale H	4. Date of FIRM Issue 9-17-03	5. FIRM Zone VE
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**SECTION II: ELEVATION INFORMATION**

*Note: This form is not a substitute for an Elevation Certificate. Elevations should be rounded to nearest tenth of a foot.*

1. Elevation of the Bottom of Lowest Horizontal Structural Member	18 feet
2. Base Flood Elevation	17 feet
3. Elevation of Lowest Adjacent Grade	7.4 feet
4. Approximate Depth of Anticipated Scour/Erosion Used for Foundation Design	4 feet
5. Embedment Depth of Piling or Foundation Below Lowest Adjacent Grade	4 feet
6. Datum Used: <input checked="" type="checkbox"/> NGVD '29 <input type="checkbox"/> NAVD '86 <input type="checkbox"/> Other	

**SECTION III: V-ZONE CERTIFICATION STATEMENT**

*Note: This section must be certified by a registered professional engineer or architect.*

I certify that I have developed or reviewed the structural design, plans and specifications for construction and that the methods of construction to be used are in accordance with accepted standards of practice for meeting the following provisions:

a) The bottom of the lowest horizontal structure member of the lowest floor (excluding the pilings or columns) is elevated to or above the BFE; and,

b) The pile or 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 including wave action. 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 CERTIFICATION STATEMENT**

*Note: This section must be certified by a registered professional engineer or architect when breakaway walls exceed a design safe loading resistance of 20 pounds per square foot.*

I certify that I have developed or reviewed the structural design, plans and specifications for construction and that the design and methods of construction to be used for the breakaway walls are in accordance with accepted standards of practice for meeting the following provisions:

a) Breakaway collapse shall result from a water load less than that which would occur during the base flood; and,

b) 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 (wind and water loading values defined under Section III).

**SECTION V CERTIFICATION**

(Check: Section III  and/or Section IV )

Name of Certifier St. Clair A. Knight, Jr.	Title Professional Engineer
Firm Name Knight Engineering Service	License Number SC 2997
Street Address 826 Inlet Sq Dr.	Phone Number (843) 651-7997
City Murrells Inlet	State SC
	Zip Code 29576
Signature St. Clair A. Knight, Jr. PE	Date 1-22-07

02/02