

**COPY**

FEDERAL EMERGENCY MANAGEMENT AGENCY  
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No. 3067-0077  
Expires July 31, 2002

**ELEVATION CERTIFICATE**

Important: Read the instructions on pages 1 - 7.

**SECTION A - PROPERTY OWNER INFORMATION**

BUILDING OWNER'S NAME Calise Development, Inc.		For Insurance Company Use: Policy Number	
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO. 11 North Seaside Drive		Company NAIC Number	
CITY Surfside Beach	STATE SC	ZIP CODE	29575
PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 6 Block F, Floral Section			
BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use Comments section if necessary.) Residential			
ATTITUDE/LONGITUDE (OPTIONAL) ##° - ##' - ##.###" or ###.####"		HORIZONTAL DATUM: SOURCE: <input type="checkbox"/> GPS (Type): <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983 <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Other:	

**SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION**

B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER Surfside Beach 450111		B2. COUNTY NAME Horry		B3. STATE SC	
B4. MAP AND PANEL NUMBER 15051C0751	B5. SUFFIX H	B6. FIRM INDEX DATE 8-23-1999	B7. FIRM PANEL EFFECTIVE/REVISED DATE 8-23-1999	B8. FLOOD ZONE(S) VE	B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding) 17'

10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9.  
 FIS Profile  FIRM  Community Determined  Other (Describe):
11. Indicate the elevation datum used for the BFE in B9:  NGVD 1929  NAVD 1988  Other (Describe):
12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?  Yes  No  
 Designation Date:

**SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)**

1. 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.

2. Building Diagram Number 5 (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

3. 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 C3a-l below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.

Datum	Conversion/Comments
Elevation reference mark used	5130
Does the elevation reference mark used appear on the FIRM? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/> a) Top of bottom floor (including basement or enclosure)	19.7 ft.(m)
<input type="checkbox"/> b) Top of next higher floor	28.7 ft.(m)
<input type="checkbox"/> c) Bottom of lowest horizontal structural member (V zones only)	18.7 ft.(m)
<input type="checkbox"/> d) Attached garage (top of slab)	10.1 ft.(m)
<input type="checkbox"/> e) Lowest elevation of machinery and/or equipment servicing the building	19.5 ft.(m)
<input type="checkbox"/> f) Lowest adjacent grade (LAG)	9.8 ft.(m)
<input type="checkbox"/> g) Highest adjacent grade (HAG)	9.9 ft.(m)
<input type="checkbox"/> h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade	N/A
<input type="checkbox"/> i) Total area of all permanent openings (flood vents) in C3h	N/A sq. in. (sq. cm)

License Number, Embossed Seal, Signature, and Date

*Larry T. Beasley*

Larry T. Beasley  
SCPLS 9544  
January 18, 2001

**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 in Sections A, B, and C 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.

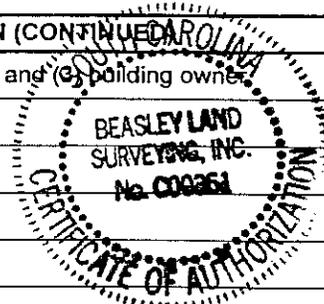
CERTIFIER'S NAME Larry T. Beasley	LICENSE NUMBER S.C. PLS 9544
TITLE Land Surveyor	COMPANY NAME Beasley Land Surveying, Inc.
ADDRESS 9506 Hwy 707 Suite 702	CITY Myrtle Beach
STATE SC	ZIP CODE 29588
SIGNATURE <i>Larry T. Beasley</i>	DATE Jan. 18, 2001
TELEPHONE 843-650-7722	

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			For Insurance Company Use:
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO. 111 North Seaside Drive			Policy Number
CITY Surfside Beach	STATE SC	ZIP CODE 29575	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



Check here if attachments

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

For Zone AO and Zone A (without BFE), complete Items E1 through E3. If the Elevation Certificate is intended for use as supporting information for a LOMA or LOMR-F, Section C must be completed.

- E1. Building Diagram Number \_\_\_\_\_ (Select the building diagram most similar to the building for which this certificate is being completed – see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)
- E2. The top of the bottom floor (including basement or enclosure) of the building is \_\_\_\_\_ ft.(m) \_\_\_\_\_ in.(cm) \_\_\_\_\_ above or \_\_\_\_\_ below (check one) the highest adjacent grade.
- E3. For 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.

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.

- G1.  The information in Section C was taken from other documentation that has been signed and embossed by a licensed surveyor, engineer, or architect who is authorized by state or local 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 is: \_\_\_\_\_ ft.(m) Datum: \_\_\_\_\_

G9. BFE or (in Zone AO) depth of flooding at the building site is: \_\_\_\_\_ ft.(m) Datum: \_\_\_\_\_

LOCAL OFFICIAL'S NAME	TITLE
COMMUNITY NAME	TELEPHONE
SIGNATURE	DATE
COMMENTS	

Check here if attachment

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

**Property Information**

**For Insurance Company Use**

Name of Structure Owner

Scalise Development Inc.

Policy Number

Structure Address or Other Description

111 North Seaside Dr.

City

Surfside Beach

State

S.C.

Zip Code

29575

**SECTION I: FLOOD INSURANCE RATE MAP (FIRM) INFORMATION**

*Note: to be obtained from appropriate FIRMs*

1. Community Number

450111

2. Panel Number

45051C0751

3. Suffix

H

4. Date of FIRM Index

8-23-99

5. FIRM Zone

VE

**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 .....  | <u>18.6</u> feet           |
| 2. Base Flood Elevation .....  | <u>17</u> feet             |
| 3. Elevation of Lowest Adjacent Grade .....  | <u>8.3</u> feet            |
| 4. Approximate Depth of Anticipated Scour/Erosion Used for Foundation Design .....   | <u>2</u> feet              |
| 5. Embedment Depth of Piling or Foundation Below Lowest Adjacent Grade .....   | <u>15</u> feet <u>MIN.</u> |
| 6. Datum Used: <input checked="" type="checkbox"/> NGVD '29 <input type="checkbox"/> NAVD '88 <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

JEFFREY M DILLON

Title

ENGINEER

Firm Name

AOC ENGINEERING

License Number

11950

Street Address

1226 YEAMAN'S HALL

Phone Number

( ) 566-0161

City

HANAHAN

Zip Code

29406

Signature

*[Handwritten Signature]*

Date

7-14-00

