



FEDERAL EMERGENCY MANAGEMENT AGENCY  
NATIONAL FLOOD INSURANCE PROGRAM

OMB 3067-0077  
Expires: June 1984

COPY

# ELEVATION CERTIFICATE

This form is to be used for: 1) New/Emergency Program construction in Special Flood Hazard Areas; 2) Pre-FIRM construction after September 30, 1982; 3) Post-FIRM construction; and, 4) Other buildings rated as Post-FIRM rules.

BUILDING OWNER'S NAME: Mark R. and Michael G. Poulin  
ADDRESS: Murrells Inlet, SC 29576

PROPERTY LOCATION (Lot and Block numbers and address if available):  
Lot 1, Block 11-A, Floral Lake Section, Surfside Beach, SC 5175 Seaside Dr.

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.

**SECTION I ELIGIBILITY CERTIFICATION** (Completed by Local Community Permit Official or a Registered Professional Engineer, Architect, or Surveyor)

| COMMUNITY NO. | PANEL NO. | SUFFIX | DATE OF FIRM | FIRM ZONE | DATE OF CONSTR. | BASE FLOOD ELEV.<br>(In AO Zone, use depth) | BUILDING IS  |
|---------------|-----------|--------|--------------|-----------|-----------------|---|--|
| 45051C        | 0308      | E      | 9/30/88      | AE        |                 | 17' - 18'                                   | <input type="checkbox"/> New/Emergency<br><input type="checkbox"/> Pre-FIRM Reg.<br><input checked="" type="checkbox"/> Post-FIRM Reg. |

YES  NO  It is intended that the building described above will be constructed in compliance with the community's flood plain ordinance. The certifier may rely on community records. The lowest floor (including basement) will be at an elevation of \_\_\_\_\_ ft, NGVD. Failure to construct the building at this elevation may place the building in violation of the community's flood plain management ordinance.  
N/A

N/A YES  NO  The building described above has been constructed in compliance with the community's flood plain management ordinance based on elevation data and visual inspection or other reasonable means.  
If NO is checked, attach copy of variance issued by the community.

N/A YES  NO  The mobile home located at the address described above has been tied down (anchored) in compliance with the community's flood plain management ordinance, or in compliance with the NFIP Specifications.

| MOBILE HOME MAKE | MODEL | YR. OF MANUFACTURE | SERIAL NO. | DIMENSIONS<br>X |
|------------------|-------|--------------------|------------|-----------------|
| N/A              |       |                    |            |                 |

(Community Permit Official or Registered Professional Engineer, Architect, or Surveyor)

NAME: Olyn W. Wright ADDRESS: P. O. Box 797

TITLE: Reg. Land Surveyor CITY: Murrells Inlet, STATE: SC ZIP: 29576

SIGNATURE: *Olyn W. Wright* DATE: 2/6/92 PHONE: (803) 651-8656

**SECTION II ELEVATION CERTIFICATION** (Certified by a Local Community Permit Official or a Registered Professional Engineer, Architect, or Surveyor.)

FIRM ZONE AE: I certify that the building at the property location described above has the lowest floor (including basement) at an elevation of 22.41 feet, NGVD (mean sea level) and the average grade at the building site is at an elevation of 7.7 feet, NGVD.

FIRM ZONES V, V1-V30: I certify that the building at the property location described above has the bottom of the lowest floor beam at an elevation of \_\_\_\_\_ feet, NGVD (mean sea level), and the average grade at the building site is at an elevation of \_\_\_\_\_ feet, NGVD.  
N/A

N/A FIRM ZONES A, A99, AH and EMERGENCY PROGRAM: I certify that the building at the property location described above has the lowest floor elevation of \_\_\_\_\_ feet, NGVD. The elevation of the highest adjacent grade next to the building is \_\_\_\_\_ feet, NGVD.

N/A FIRM ZONE AO: I certify that the building at the property location described above has the lowest floor elevation of \_\_\_\_\_ feet, NGVD. The elevation of the highest adjacent grade next to the building is \_\_\_\_\_ feet, NGVD.

**SECTION III FLOODPROOFING CERTIFICATION** (Certification by a Registered Professional Engineer or Architect)

I certify to the best of my knowledge, information, and belief, that the building is designed so that the building is watertight, with walls substantially impermeable to the passage of water and structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy that would be caused by the flood depths, pressures, velocities, impact and uplift forces associated with the base flood.

YES  NO  In the event of flooding, will this degree of floodproofing be achieved with human intervention?  
(Human intervention means that water will enter the building when floods up to the base flood level occur unless measures are taken prior to the flood to prevent entry of water (e.g., bolting metal shields over doors and windows).  
N/A

YES  NO  Will the building be occupied as a residence?

**New/Emergency Program Construction:**

For the purposes of determining insurance rates, buildings for which the start of construction or substantial improvement commenced after September 30, 1982, are New/Emergency buildings.

**Pre-FIRM Construction:**

For the purposes of determining insurance rates, buildings for which the start of construction or substantial improvement was on or before December 31, 1974 or the effective date of the Initial Flood Insurance Rate Map (date printed on community FIRM), whichever is later. *Special Note:* If an approved building permit is dated prior to December 31, 1974, construction must have commenced not later than 180 days after the date of the approved building permit. "Existing Construction" and "Pre-FIRM Construction" have identical meanings for the purposes of the National Flood Insurance Program.

**Post-FIRM Construction:**

For insurance rating purposes buildings for which the start of construction or substantial improvement commenced after December 31, 1974 or the effective date of the initial Flood Insurance Rate Map (date printed on community FIRM), whichever is later. "New Construction" and "Post-FIRM Construction" have identical meanings for the purposes of the National Flood Insurance Program.

**Substantial Improvement:**

Any repair, reconstruction, or improvement of a building, the cost of which equals or exceeds 50 percent of the market value of the building either (a) before the improvement or repair is started, or (b) if the building has been damaged, and is being restored the market value before the damage occurred. For Flood Insurance Program purposes substantial improvement is started when the first alteration of any wall, ceiling, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure. However, the term does not include either any project for health, sanitary, or safety code specifications which are solely necessary to assure safe living conditions; or any alteration of a building listed on the National Register of Historic Places or a State Inventory of Historic Places.

**Lowest Floor** - The lowest floor is the lowest floor (including basement) of the enclosed area. The following modifications of the lowest floor definition are permitted in order to meet community permit practices:

(1) In Zones A, AO, AH, A1-A30, B, C, D, and Emergency Program areas which are not oceanside building sites,

(a) The floor of an unfinished enclosed area at ground level or above, which is a crawl space, or space within the foundation walls, usable as areas for building maintenance, access, parking vehicles, or storing of articles and maintenance equipment (not attached to the building) used in connection with the premises is not considered the building's lowest floor if the walls of the unfinished enclosed areas are constructed with openings (such as with parallel sheer walls, open lattice walls, discontinuous foundation walls, and combinations thereof) to facilitate the unimpeded movement of flood waters or the walls are breakaway walls.

(b) The floor of an attached unfinished garage used for parking vehicles and storing articles and maintenance equipment used in connection with the premises and not attached to the building is not considered the building's lowest floor if the walls of the unfinished enclosed areas are constructed with openings (such as with parallel sheer walls, open lattice walls, discontinuous foundation walls, or combinations thereof) to facilitate the unimpeded movement of flood waters or the walls are breakaway walls.

(2) In Zones V and V1-V30; and Emergency Program areas which are oceanside building lots, the following exceptions apply:

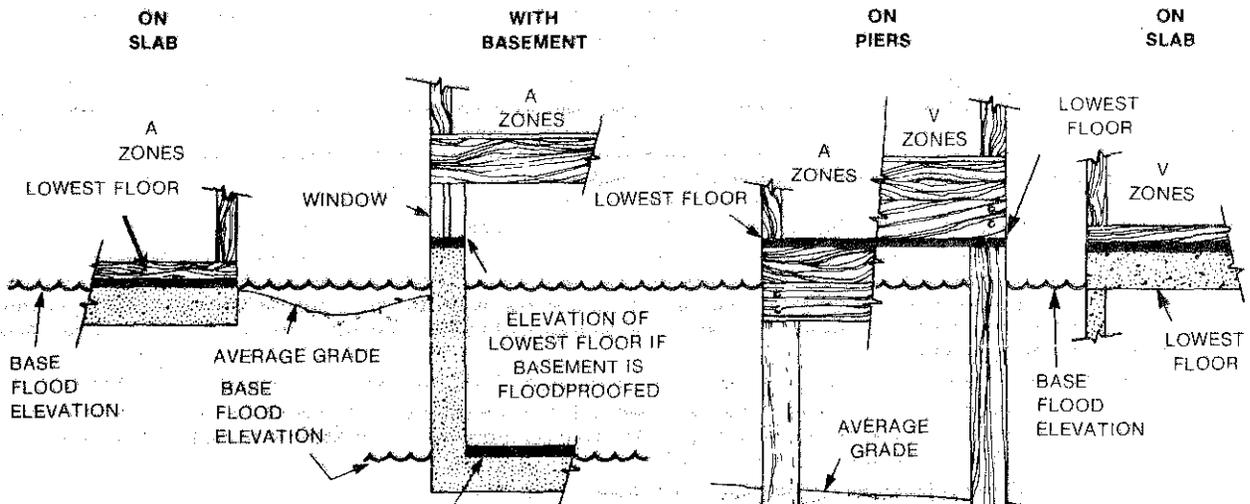
(a) For flood plain management purposes, the floor of an unfinished enclosed area is not considered the building's lowest floor if the area's walls are constructed as breakaway walls. However, for insurance rating purposes:

(i) The floor of an unfinished enclosed area less than 300 square feet is not considered the building's lowest floor if the walls are breakaway walls.

(ii) The floor of an unfinished enclosed area equal to or greater than 300 square feet is considered the building's lowest floor even if the walls are breakaway walls.

(b) The floor of an unfinished enclosed area with walls made of insect screening or open wood constructed breakaway lattice work (regardless of the size of the area enclosed) is not considered the building's lowest floor.

**Lowest Floor Elevation** - The lowest floor elevation is the elevation of the bottom of the floor beam of the lowest floor in Zones V, V1-V30. In all other zones, the lowest floor elevation is the elevation of the top of the lowest floor.



V-ZONE DESIGN CERTIFICATE

Name of Property Owner WILLIAM DEDMON  
Building Address 5175 SEASIDE DR Permit # 94-00082  
Legal Description LOT 1 BLK 11 A FLORIAN BEACH TOWN# 195-04-15-001  
City SURFSIDE State SC Zip Code 29575 Within City Limits? YES

Flood Insurance Rate Map (FIRM) Information

Community Number 450111 Panel Number 0308 Suffix E  
Date of FIRM Index 9/30/88

Elevation Information

1. Base Flood Elevation (BFE) 18 feet (NGVD)
2. Bottom of Lowest Horizontal Structural Member 17.6 feet (NGVD)
3. Elevation of Lowest Adjacent Grade 9.4 feet (NGVD)
4. Approximate Depth of Anticipated Scour/Erosion used for Foundation Design is      feet
5. Embedment Depth of Pilings/Columns/Footing Below Lowest Adjacent Grade is 22 feet
6. Datum used:  NGVD  NAVD 88  Other

V-Zone Certification Statement

NOTE: Certificate must be signed and sealed by a registered professional engineer or architect. A signed/sealed copy of this statement must also appear on the approved construction plans.

I CERTIFY THAT I HAVE DEVELOPED OR REVIEWED THE STRUCTURAL DESIGN, PLANS, AND SPECIFICATIONS FOR CONSTRUCTION. THE DESIGN AND METHODS OF CONSTRUCTION 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; AND

• THE PILE OR COLUMN FOUNDATION AND STRUCTURE ATTACHED THERETO IS ANCHORED TO RESIST FLOTATION, COLLAPSE, AND LATERAL MOVEMENT DUE TO THE COMBINED 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. THE POTENTIAL FOR SCOUR AND EROSION AT THE FOUNDATION HAS BEEN ANTICIPATED FOR CONDITIONS ASSOCIATED WITH THE BASE FLOOD, INCLUDING WAVE ACTION.

Certification

Certifier's Name BORIS NEPO Title ARCHITECT  
Company Name      License Number       
Street Address 813-9TH AVE SOUTH  
City MYRTLE BEACH State S.C. Zip Code 29577  
Telephone Number 448 98 35

Signature      Date     

SEAL

V-ZONE BREAKAWAY WALL DESIGN CERTIFICATE

Name of Property Owner WILLIAM DEDMON  
Building Address 517 S. SEASIDE DR Permit # 94-00082  
Legal Description LOT 1 BLK 11A FORMAL BEACH SECTION  
City SURFSIDE State SC Zip Code 29515 Within City Limits? YES

Flood Insurance Rate Map (FIRM) Information

Community Number 450111 Panel Number 0308 Suffix E  
Date of FIRM Index 9/30/88

Elevation Information

1. Base Flood Elevation (BFE) EL 18 feet (NGVD)
2. Bottom of Lowest Horizontal Structural Member 17.6 feet (NGVD)
3. Elevation of Lowest Adjacent Grade 9.4 feet (NGVD)
4. Datum used:  NGVD  NAVD 88  Other \_\_\_\_\_

Breakaway Wall Certification Statement

NOTE: Certificate must be signed and sealed by a registered professional engineer or architect. A signed/sealed copy of this statement must also appear on the approved construction plans detailing breakaway wall construction.

I CERTIFY THAT I HAVE DEVELOPED OR REVIEWED THE STRUCTURAL DESIGN, PLANS, AND SPECIFICATIONS FOR CONSTRUCTION OF BREAKAWAY WALLS. 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:

- \* BREAKAWAY WALLS HAVE A DESIGN SAFE LOADING RESISTANCE OF NOT LESS THAN 10 AND NO MORE THAN \_\_\_\_\_ POUNDS PER SQUARE FOOT.
- \* BREAKAWAY WALLS COLLAPSE SHALL RESULT FROM A WATER LOADS NO LESS THAN THAT WHICH WOULD OCCUR DURING THE BASE FLOOD; AND
- \* THE ELEVATED PORTION OF THE BUILDING AND SUPPORTING FOUNDATION SYSTEM SHALL NOT BE SUBJECT TO COLLAPSE, DISPLACEMENT, OR OTHER STRUCTURAL DAMAGE DUE TO THE COMBINED EFFECTS OF WIND AND WATER LOADS ACTING SIMULTANEOUSLY ON ALL BUILDING COMPONENTS, STRUCTURAL AND NON-STRUCTURAL. WIND LOADING VALUES USED SHALL BE THOSE REQUIRED BY APPLICABLE STATE OF LOCAL BUILDING STANDARDS. WATER LOADING VALUES SHALL BE THOSE ASSOCIATED WITH THE BASE FLOOD. SUCH ENCLOSED SPACE SHALL BE USEABLE SOLELY FOR PARKING OF VEHICLES, BUILDING ACCESS, OR LIMITED STORAGE OF MAINTENANCE ITEMS.

Certification

Certifier's Name Boris Nepo Title ARCHITECT  
Company Name \_\_\_\_\_ License Number SC 2032  
Street Address 913 - 974 Ave South  
City WITTLE BEACH State S.C. Zip Code 29571  
Telephone Number 428 5885

Signature \_\_\_\_\_ Date 2-24-94

SEAL \_\_\_\_\_