

17-5125

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008
Expiration Date: July 31, 2015

National Flood Insurance Program

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name: Miltz, Client; ARBC		For Insurance Company Use:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 960 Giralda Court		Policy Number
City Marco Island State FL ZIP Code 34145		Company NAIC Number

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Lot 8, Block 354, Marco Beach Unit Eleven, Plat Book 6, pages 80-86, City of Marco Island, Collier County, Florida

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Single Family Residential

A5. Latitude/Longitude: Lat. 25°57'51.4" Long. 81°43'59.6" Horizontal Datum: NAD 1927 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 6

A8. For a building with a crawl space or enclosure(s), provide:

a) Square footage of crawl space or enclosure(s) <u>3527</u> sq ft	A9. For a building with an attached garage, provide:
b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade <u>NA Break away walls</u>	a) Square footage of attached garage <u>858</u> sq ft +/-
c) Total net area of flood openings in A8.b <u>NA</u> sq in	b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade <u>2</u>
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	c) Total net area of flood openings in A9.b <u>1288</u> sq in
	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 City of Marco Island 120426	B2. County Name Collier	B3. State FL
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B4. Map/Panel Number 12021C0828H	B5. Suffix H	B6. FIRM Index Date 05/16/2012	B7. FIRM Panel Effective/Revised Date 05/16/2012	B8. Flood Zone(s) VE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 9
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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) 9.00 per City of Marco Island mandate

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-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized NGS BM K-408 1992 Elev. = 4.64 Vertical Datum NAVD88

Indicate elevation datum used for the elevations in items a) through h) below. NGVD 1929 NAVD 1988 Other/Source: _____

Check the measurement used.

a) Top of bottom floor (including basement, crawl space, or enclosure floor)	<u>6.3</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor	<u>10.34</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>9.00</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>6.20</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment in Comments)	<u>10.10</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade (LAG)	<u>5.6</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade (HAG)	<u>7.2</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>5.6</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters

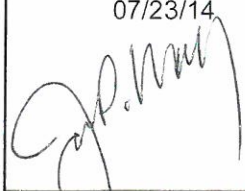
SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

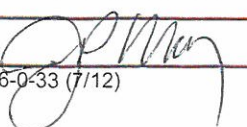
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable 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

Check here if attachments.

John P. Maloney
LS#4493
07/23/14



Certifier's Name John P. Maloney	License Number LS#4493
Title Professional Surveyor and Mapper	Company Name Stantec Consulting Services, Inc.
Address 3200 Bailey Lane, Suite 200	City Naples State FL ZIP Code 34105
Signature 	Date 07/23/14 Telephone 239-649-4040

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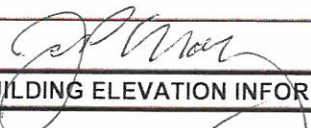
IMPORTANT: In these spaces, copy the corresponding information from Section A.			For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 960 Giralda Court			Policy Number
City Marco Island	State FL	ZIP Code 34145	Company NAIC Number

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 A9.b) Garage has (2) 23" x 28" openings C2.a) is ground of enclosed area, C2.b) is 1st living level, C2. e) Is A/C Pads. Lower level walls including garage are designed as breakaway walls.

Ref. v/2156/active/215699999/N0558/Unit 11/Flood Certificates/new elevation final Lot 8, Blk 354, 3N-85, FB L-3265/60, L-3290/25. Project #215611316

Signature  Date 07/23/14

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 _____
- G10. Community's design flood elevation _____ feet meters (PR) Datum _____

Local Official's Name CHRISTOPHER SPARACINO, CFM	Title PLANNER
Community Name _____	Telephone _____
Signature 	Date 7/30/14
Comments _____	

Check here if attachments

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 960 Giralda Court			Policy Number:
City Marco Island	State Florida	ZIP Code 34145	Company NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

FRONT VIEW 07/23/14



RIGHT SIDE VIEW 07/23/14 (NOTE: LOWER WALLS DESIGNED AS BERAKAWAY WALLS)



BUILDING PHOTOGRAPHS

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 960 Giralda Court			Policy Number:
City Marco Island	State FL	ZIP Code 34145	Company NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

REAR VIEW 07/23/14



LEFT SIDE VIEW 07/23/14 (NOTE: LOWER WALLS DESIGNED AS BERAKAWAY WALLS)



ENCLOSED AREA AND BOTTOM OF LOWEST HORIZONTAL MEMBER C2.c)





City of Marco Island
Community Development Department
50 Bald Eagle Drive
Marco Island, FL 34145

V-ZONE BREAKAWAY WALL DESIGN CERTIFICATE

PRE-CONSTRUCTION _____ AS BUILT X

Name of Property Owner: Miltz Permit #: _____

Building Address: 960 Giraldo Court

Flood Insurance Rate Map (FIRM) Information

Community Number: 120426 Community Name: City of Marco Island
Panel Number: 12021C Suffix: 0828H Date of FIRM Index: 5-16-2012

Elevation Information

1. BFE: 9 feet NGVD
2. Bottom of Lowest Horizontal Structural Member: 9.00 feet NGVD
3. Elevation of Lowest Adjacent Grade: 5.6 feet NGVD

Breakaway Wall Certification Statement

Note: Certificate must be signed and sealed by a registered professional engineer. A signed and 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 20 pounds per square foot.
- Breakaway walls collapse shall result from a water load 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 or 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.

For "As Built" certifications, I am certifying that the construction has been done in accordance with the design parameters indicated above.

CERTIFICATION

Certifier's Name: Michael Woolf Title: Professional Engineer
Company Name: Woolf & Associates, Inc. Registration Number: 55307, Cert. of Auth. 26845
Address: 20020 Veterans Blvd., # 20, Port Charlotte, FL 33954
Signature: Michael Woolf Date: 7-21-2014



City of Marco Island
Community Development Department
50 Bald Eagle Drive
Marco Island, FL 34145

V-ZONE BREAKAWAY WALL DESIGN CERTIFICATE

PRE-CONSTRUCTION X AS BUILT _____

Name of Property Owner: Miltz Permit #: _____

Building Address: 960 Giralda Court

Flood Insurance Rate Map (FIRM) Information

Community Number: 120426 Community Name: City of Marco Island

Panel Number: 120426 Suffix: _____ Date of FIRM Index: _____

Elevation Information

1. BFE: 9'-0" feet NGVD
2. Bottom of Lowest Horizontal Structural Member: 9'-0" feet NGVD
3. Elevation of Lowest Adjacent Grade: 6'-10" feet NGVD

Breakaway Wall Certification Statement

Note: Certificate must be signed and sealed by a registered professional engineer. A signed and 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:

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For "As Built" certifications, I am certifying that the construction has been done in accordance with the design parameters indicated above.

CERTIFICATION

Certifier's Name: Mike Wolf Title: Professional Engineer
Company Name: Wolf Associates, Inc. Registration Number: PE 55307 Cert. of
Address: 20020 Veterans Blvd., # 20, Port Charlotte, FL 33954 Auth. 26845
Signature: *Michael Wolf* Date: 11-13-2012