

DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
ELEVATION CERTIFICATE

IMPORTANT: FOLLOW THE INSTRUCTIONS ON PAGES 9-16

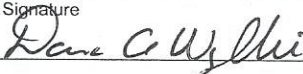
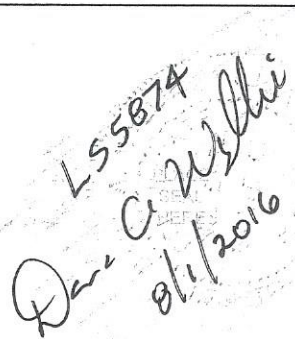

OMB Control Number: 1660-0008
Expiration: 11/30/2018

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION						FORM INSURANCE COMPANY USE	
A1. Building Owner's Name Chris and Marybeth Henderson						Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 17824 Lee Avenue						Company NAIC Number:	
City Redington Shores				State FL		Zip Code 33708	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Parcel ID# 31-30-15-36342-000-0120 all of Lot 12 & S 1/2 of Lot 13, Harbor Shores 3rd Addition, Plat Book 25, Page 65							
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential							
A5. Latitude/Longitude: Lat. 27°39'49.6" N Long. -82°49'52.2W Horizontal Datum: <input type="radio"/> NAD 1927 <input checked="" type="radio"/> 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 crawlspace or enclosure(s):				A9. For a building with an attached garage:			
a) Square footage of crawlspace or enclosure(s) 2016 sq ft				a) Square footage of attached garage 0 sq ft			
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 0				b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 0			
c) Total net area of flood openings in A8.b 0 sq in				c) Total net area of flood openings in A9.b 0 sq in			
d) Engineered flood openings? <input type="radio"/> Yes <input checked="" type="radio"/> No				d) Engineered flood openings? <input type="radio"/> Yes <input checked="" type="radio"/> No			
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION							
B1. NFIP Community Name & Community Number Town of Redington Shores 125141				B2. County Name Pinellas		B3. State FL	
B4. Map/Panel Number 12103C0179	B5. Suffix G	B6. FIRM Index Date 08/18/2009	B7. FIRM Panel Effective/Revised Date 09/03/2003	B8. Flood Zone(s) VE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 12, 13 & 14		
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input checked="" type="radio"/> FIS Profile <input checked="" type="radio"/> FIRM <input type="radio"/> Community Determined <input type="radio"/> Other/Source: _____							
B11. Indicate elevation datum used for BFE in Item B9: <input type="radio"/> NGVD 1929 <input checked="" type="radio"/> NAVD 1988 <input type="radio"/> Other/Source: _____							
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="radio"/> Yes <input checked="" type="radio"/> No Designation Date: <input type="radio"/> CBRS <input type="radio"/> OPA							
SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)							
C1. Building elevations are based on: <input type="radio"/> Construction Drawings* <input type="radio"/> Building Under Construction* <input checked="" type="radio"/> Finished Construction							
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. * A new Elevation Certificate will be required when construction of the building is complete.							
Benchmark Utilized: Redington C (POINT ID# AG0832) Vertical Datum: 3.63 FEET NAVD88							
Indicate elevation datum used for the elevations in items a) through h) below. <input type="radio"/> NGVD 1929 <input checked="" type="radio"/> NAVD 1988 <input type="radio"/> Other/Source: _____							
Datum used for building elevations must be the same as that used for the BFE.							
Check the measurement used.							
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)		6 - 2		<input checked="" type="radio"/> feet <input type="radio"/> meters			
b) Top of the next higher floor		17 - 1		<input checked="" type="radio"/> feet <input type="radio"/> meters			
c) Bottom of the lowest horizontal structural member (V Zones only)		15 - 3		<input checked="" type="radio"/> feet <input type="radio"/> meters			
d) Attached garage (top of slab)		N/A - _____		<input type="radio"/> feet <input type="radio"/> meters			
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)		16 - 0		<input checked="" type="radio"/> feet <input type="radio"/> meters			
f) Lowest adjacent (finished) grade next to building (LAG)		5 - 8		<input checked="" type="radio"/> feet <input type="radio"/> meters			
g) Highest adjacent (finished) grade next to building (HAG)		6 - 1		<input checked="" type="radio"/> feet <input type="radio"/> meters			
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support		5 - 9		<input checked="" type="radio"/> feet <input type="radio"/> meters			

ELEVATION CERTIFICATE

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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.				
<input checked="" type="checkbox"/> Check here if attachments.		Were latitude and longitude in Section A provided by a licensed land surveyor? <input checked="" type="radio"/> Yes <input type="radio"/> No		
Certifier's Name DANA A. WYLLIE		License Number LS 5874		
Title SURVEY MANAGER		Company Name DEUEL & ASSOCIATES		
Address 565 S. HERCULES AVE.		City CLEARWATER	State FL	Zip Code 33764
Signature 		Date Field 7/29/2016	Telephone (727) 822-4151	
				
Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.				
Comments (including type of equipment and location, per C2(e), if applicable)" A5: Latitude and longitude were determined using Google Earth. A8: Building plans show breakaway walls. See attached "V Zone Design Certificate". C2c: Elevation shown is bottom of concrete beam. Location of lowest horizontal structural member provided on site by Mike Descrochers, Monogram Builders, Inc. (contractor). See photo. C2e: Elevation shown is top of air conditioner & water heater platform. Also, electric outlet above pool equipment slab elevation 6.31 feet and electric meter elevation 16.01 feet.				
Signature		Date		
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 _____ - _____ <input checked="" type="radio"/> feet <input type="radio"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.				
b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ - _____ <input checked="" type="radio"/> feet <input type="radio"/> meters <input type="checkbox"/> above or <input type="checkbox"/> 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 _____ - _____ <input checked="" type="radio"/> feet <input type="radio"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.				
E3. Attached garage (top of slab) is _____ - _____ <input checked="" type="radio"/> feet <input type="radio"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.				
E4. Top of platform of machinery and /or equipment servicing the building is _____ - _____ <input checked="" type="radio"/> feet <input type="radio"/> meters <input type="checkbox"/> above or <input type="checkbox"/> 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? <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> 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 or Owner's Authorized Representative's Name:				
Address		City	State	ZIP Code
Signature		Date	Telephone	
Comments <div style="text-align: right; font-size: 2em; font-weight: bold; margin-top: 10px;">  </div>				
<input checked="" type="checkbox"/> Check here if attachments.				

BUILDING PHOTOGRAPHS

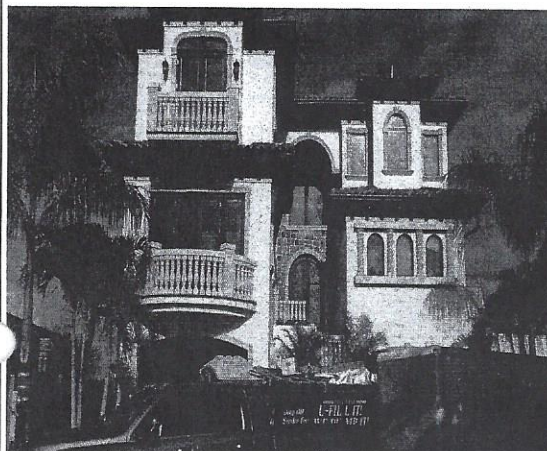
See instructions for Item A6

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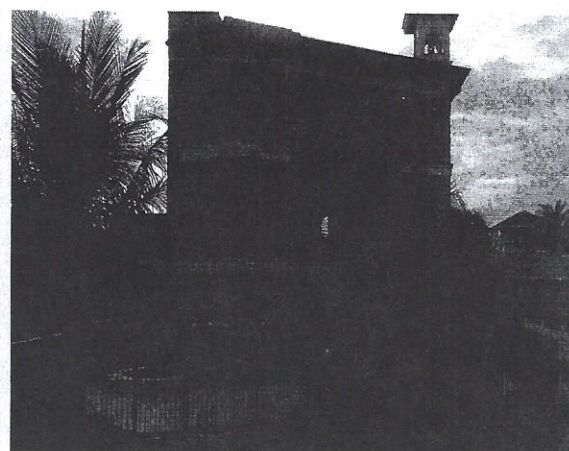
Expiration: 11/30/2018

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. 17824 Lee Avenue		Policy Number:
City Redington Shores	State FL	Zip Code 33708
		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 (EAST SIDE) 7-29-2016



REAR VIEW (WEST SIDE) 7-29-2016



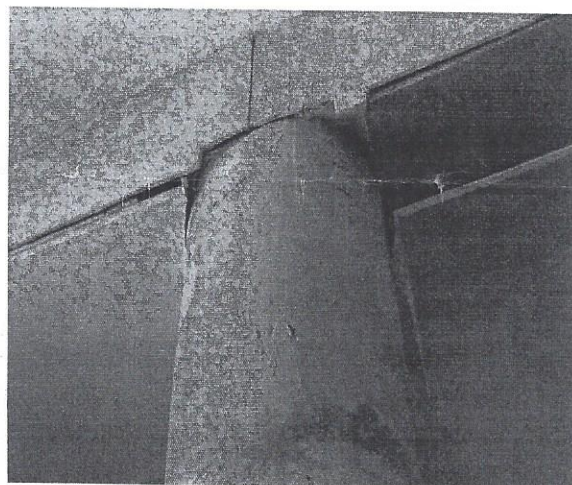
LEFT SIDE VIEW (SOUTH SIDE) 7-29-2016



RIGHT SIDE VIEW (NORTH SIDE) 7-29-2016



C2e: Air conditioner platform north side 7-25-2016



C2c: Bottom of concrete beam 7-25-2016

Note: The V Zone design certificate is not a substitute for the NFIP Elevation Certificate (see Fact Sheet No. 1.4, Lowest Floor Elevation), which is required to certify as-built elevations needed for flood insurance rating.

V ZONE DESIGN CERTIFICATE

Name _____ Policy Number (Insurance Co. Use) _____
 Building Address or Other Description 17824 LEE AVE
 Permit No. B-9970 City REDINGTON SHORES State FL Zip Code 33708

SECTION I: Flood Insurance Rate Map (FIRM) Information

Community No. 125141 Panel No. 12103C0179 Suffix G FIRM Date Sep 3, 2003 FIRM Zone(s) 12, 13, 14

SECTION II: Elevation Information Used for Design

[NOTE: This section documents the elevations/depths used or specified in the design - It does not document surveyed elevations and is not equivalent to the as-built elevations required to be submitted during or after construction.]

1. FIRM Base Flood Elevation (BFE) 13.0 feet*
2. Community's Design Flood Elevation (DFE) 15.0 feet*
3. Elevation of the Bottom of Lowest Horizontal Structural Member 15.0 feet*
4. Elevation of Lowest Adjacent Grade 5.8 feet*
5. Depth of Anticipated Scour/Erosion used for Foundation Design 4.0 feet
6. Embedment Depth of Pilings or Foundation Below Lowest Adjacent Grade 25.0 feet

* Indicate elevation datum used in 1-4: ☐ NGVD29 ☒ NAVD88 ☐ Other _____

SECTION III: V Zone Design Certification Statement

I certify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction of the above-referenced building and (2) that the design and methods of construction specified 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.
- The pile and 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***. 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 Design Certification Statement

NOTE: This section must be certified by a registered engineer or architect when breakaway walls are designed to have a resistance of more than 20 psf (0.96 kN/m²) determined using allowable stress design)

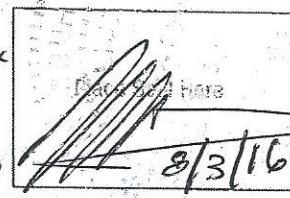
I certify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction of breakaway walls to be constructed under the above-referenced building and (2) that the design and methods of construction specified to be used are in accordance with accepted standards of practice** for meeting the following provisions:

- Breakaway wall collapse shall result from a water load less than that which would occur during the base flood***.
- 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 (see Section III).

SECTION V: Certification and Seal

This certification is to be signed and sealed by a registered professional engineer or architect authorized by law to certify structural designs. I certify the V Zone Design Certification Statement (Section III) and ☒ the Breakaway Wall Design Certification Statement (Section IV, check if applicable).

Certifier's Name M.R. ELKHOLLY License Number PE 38159
 Title President Company Name Kely International, Inc
 Address 760 4th Avenue South
 City St. Petersburg, FL State FL Zip Code 33701
 Signature [Signature] Date 8/3/16 Telephone (727) 898-2270



1.5: V ZONE DESIGN AND CONSTRUCTION CERTIFICATION

HOME BUILDER'S GUIDE TO COASTAL CONSTRUCTION



**NONCONVERSION AGREEMENT
FOR CERTAIN STRUCTURES IN THE FLOODPLAIN**

Application has been made for a Permit from the City of REDINGTON SHORES, FL [state].

Permit # B-9990

#125141 COMMUNITY NUMBER

Property Owner CHRIS AND MARYBETH HENDERSON

Address 17824 LEE AVE., REDINGTON SHORES, FL 33708

Deed dated _____, Recorded _____

Tax map N/A, block N/A, parcel 343015/36342/000/0120

Base Flood Elevation at the site is 13 feet (NAVD).

Map Panel Number 12103C0179G, effective date 9-3-2003

In consideration for the granting of a permit for the above structure, the property owner agrees to the following:

1. That the enclosed area below the base flood elevation shall be used solely for parking of vehicles, limited storage, or access to the building and will never be used for human habitation without first becoming fully compliant with the flood damage prevention ordinance in effect at the time of conversion.
2. That all interior walls, ceilings, and floors below the base flood elevation shall be unfinished or constructed of flood-resistant materials.
3. That mechanical, electrical, or plumbing devices shall not be installed below the base flood elevation.
4. The walls of the enclosed areas below the base flood elevation shall be equipped with at least two vents which permit the automatic entry and exit of floodwater with total openings of at least one square inch for every square foot of enclosed area below flood level. The vents shall be on at least two different walls, and the bottoms of the vents shall be no more than one foot above grade.
5. That any variation in construction beyond what is permitted shall constitute a violation of this agreement and Section 90-39 of Ordinance # 13-02.
6. That this Nonconversion Agreement becomes part of Permit # B-9990.

Marybeth Henderson
Signature of Property Owner

[Signature]
Witness

7/25/16
Date

At a minimum, the following has been recorded on the deed to the above property: "This structure has received special permission to be constructed in the Special Flood Hazard Area. The lowest floor shall not be finished or converted to a habitable space unless the enclosed area below the Base Flood Elevation becomes fully compliant with Ordinance # 13-02 in effect at the time of conversion. At this site, the Base Flood Elevation is 13 feet, National Geodetic Vertical Datum."

Signature, Recorder of Deeds

Date