

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.
 Building Street Address (Including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
 7960 Manasota Key Road

FOR INSURANCE COMPANY USE
 Policy Number:

City
 Englewood

State
 Florida

ZIP Code
 34223

Company NAIC Number

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–G10. In Puerto Rico only, enter meters.

- 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–G10) is provided for community floodplain management purposes.

| | | |
|--|------------------------|---|
| G4. Permit Number <i>15-132 004</i> | G5. Date Permit Issued | G6. Date Certificate of Compliance/Occupancy Issued |
|--|------------------------|---|

- 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 Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name

Title

Community Name

Telephone

Signature

Date

Comments (including type of equipment and location, per C2(e), if applicable)

Check here if attachments.

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

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 | | FOR INSURANCE COMPANY USE |
|--|------------------|---------------------------|
| A1. Building Owner's Name Robert C. Krause | | Policy Number: |
| A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 7960 Manasota Key Road | | Company NAIC Number: |
| City Englewood | State Florida | ZIP Code 34223 |
| A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Parcel #0489240006, Metes and Bounds Description in Section 16-40-19 | | |

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

A5. Latitude/Longitude: Lat. N26° 59' 45.4" Long. W82° 24' 15.7" 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 crawlspace or enclosure(s):
 a) Square footage of crawlspace or enclosure(s) 4899.00 sq ft
 b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 26
 c) Total net area of flood openings in A8.b 3164.00 sq in
 d) Engineered flood openings? Yes No

A9. For a building with an attached garage:
 a) Square footage of attached garage 1012.00 sq ft
 b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 6
 c) Total net area of flood openings in A9.b 730.00 sq in
 d) Engineered flood openings? Yes No

| SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION | | | | |
|--|-----------------|--|--|-------------------------|
| B1. NFIP Community Name & Community Number Sarasota County 125144 | | B2. County Name Sarasota | | B3. State Florida |
| B4. Map/Panel Number 12115C0432 | B5. Suffix F | B6. FIRM Index Date 11-04-2016 | B7. FIRM Panel Effective/ Revised Date 11-04-2016 | B8. Flood Zone(s) AE |
| | | B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 10.0" | | |

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/Source: _____

B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other/Source: _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Yes No
 Designation Date: _____ CBRS OPA

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| | |
|---|---|
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|---|---|

| | | |
|-------------------|------------------|---------------------|
| City Englewood | State Florida | ZIP Code 34223 |
| | | Company NAIC Number |

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, ARA, ARAE, ARA1-A30, AR/AH, ARA/O.
 Complete items C2.a-h below according to the building diagram specified in item A7. In Puerto Rico only, enter meters.
 Benchmark Utilized: Coastal Mon. 17-84-C13E Vertical Datum: N.A.V.D. 1988

Indicate elevation datum used for the elevations in items a) through h) below.

NGVD 1929 NAVD 1988 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) | 12.30 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor | 19.40 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only) | 17.10 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| d) Attached garage (top of slab) | 11.70 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) | 17.00 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | 11.30 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | 11.50 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support | | <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.

Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No Check here if attachments.

Certifier's Name
Warren A. McLeod License Number
4855

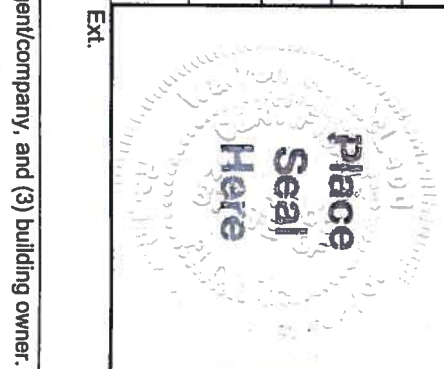
Title
Professional Surveyor and Mapper

Company Name
DMK Associates, Inc.

Address
4315 S. Access Road

| | | |
|-------------------|------------------|-------------------|
| City Englewood | State Florida | ZIP Code 34224 |
|-------------------|------------------|-------------------|

| | | |
|--|--------------------|-----------------------------|
| Signature  | Date 05-24-2019 | Telephone (941) 475-6596 |
| | | Ext. |



Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.
 Comments (including type of equipment and location, per C2(e), if applicable)

C2-A, Elevations is unfinished crawl space area.
 C2-E, represents the outside A/C unit. The Vents are engineered Flood Flaps model No. FFWF08, Rated at 220 square inches each. The Crawl space area contains 26 vents for a total 5720.0 square inches. The Garage area contains 6 vents for a total 1320.0 square inches.

File #:17-0042 F.B 19-05 Pg. 37

ELEVATION CERTIFICATE

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**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 _____ feet meters above or below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A items 8 and/or 9 (see pages 1–2 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 or Owner's Authorized Representative's Name

Address

City

State

ZIP Code

Signature

Date

Telephone

Comments

Check here if attachments.

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008

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7960 Manasota Key Road

Policy Number:

City
Englewood

State
Florida

ZIP Code
34223

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.

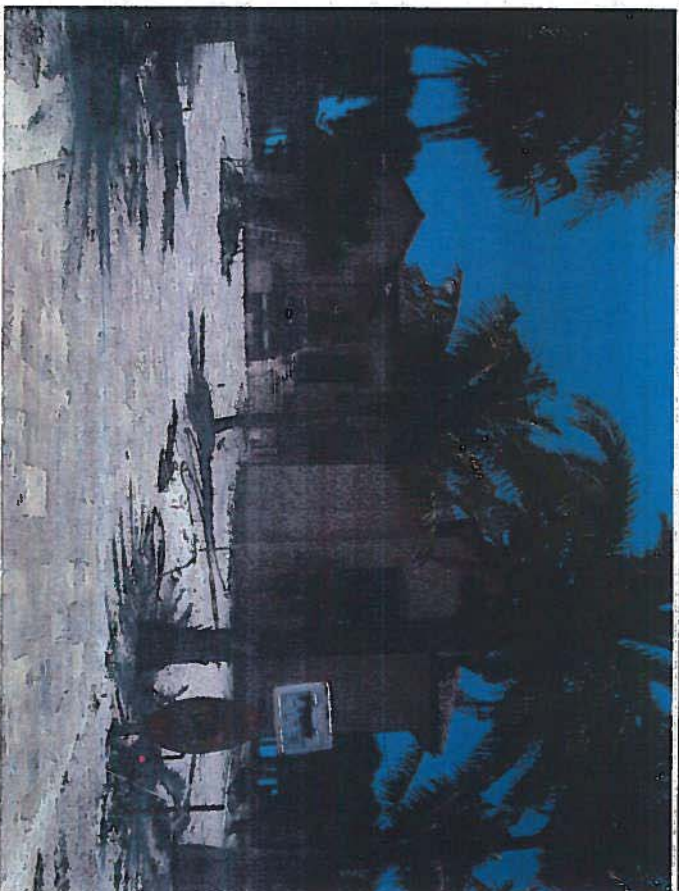


Photo One

Photo One Caption

Front Taken 05/10/2019

Clear Photo One

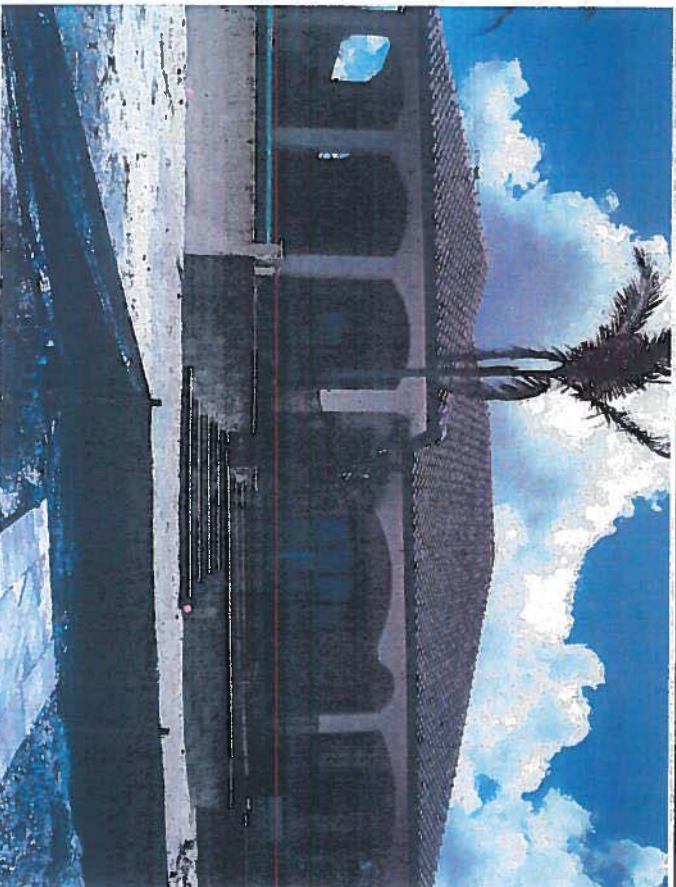


Photo Two

Photo Two Caption

Rear Taken 05/10/2019

Clear Photo Two

ELEVATION CERTIFICATE

BUILDING PHOTOGRAPHS

Continuation Page

OMB No. 1660-0008
Expiration Date: November 30, 2018

| | | | |
|---|------------------|-------------------|----------------------------------|
| IMPORTANT: In these spaces, copy the corresponding information from Section A. | | | FOR INSURANCE COMPANY USE |
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| City Englewood | State Florida | ZIP Code 34223 | Company NAIC Number |

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. 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.

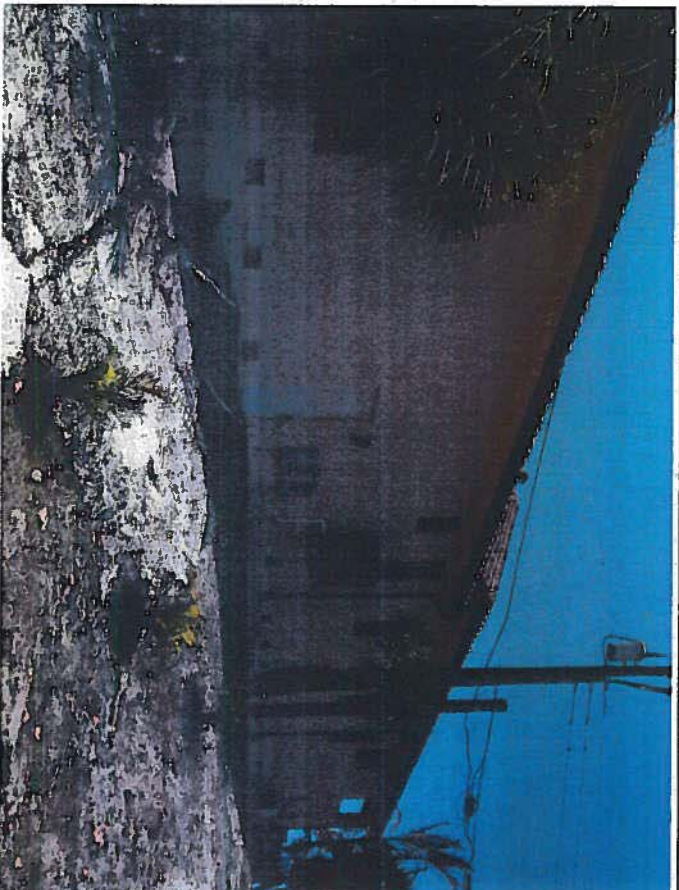


Photo Three Caption

Photo Three
Right Side Taken 05/10/2019

Clear Photo Three



Photo Four Caption

Photo Four
Left Side Taken 05/10/2019

Clear Photo Four

ICC-ES Evaluation Report

ESR-3560

Reissued September 2015

This report is subject to renewal September 2017.

www.icc-es.org | (800) 423-6587 | (562) 699-0543

A Subsidiary of the International Code Council®

DIVISION: 08 00 00—OPENINGS
Section: 08 95 43—Vents/Foundation Flood Vents
REPORT HOLDER:
FLOOD FLAPS®, LLC
 2707 WATERPOINTE CIRCLE
 MT. PLEASANT, SOUTH CAROLINA 29466
 (843) 849-8031
www.floodflaps.com
info@floodflaps.com
EVALUATION SUBJECT:
FLOOD FLAPS® FLOOD VENTS: MODELS FFWF12;
FFNF12; FFWF08; FFNF08; FFWF05; FFNF05
1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2012 and 2009 *International Building Code*® (IBC)
- 2012 and 2009 *International Residential Code*® (IRC)

Properties evaluated:

- Physical operation
- Water flow
- Weathering

2.0 USES

Flood Flaps® are used to provide for the equalization of hydrostatic flood forces on exterior walls.

3.0 DESCRIPTION
3.1 General:

Flood Flaps® flood vents are engineered mechanically operated flood vents (FVs) that automatically allow flood waters to enter and exit enclosed areas. The FVs are constructed of ABS plastic which serves as the FV's housing, and a front grill that contains an anodized metal screen imbedded in polypropylene plastic. On contact with rising flood water, the grill will disengage from its secured position, allowing flood water and debris to flow through in either direction.

The sealed series models contain two rubber flaps that close the FV to the passage of air when using that conditioned areas or sealed crawl spaces. In the same manner as the grill, the two rubber flaps are pushed open by water pressure, allowing water and debris to flow

through the FV in either direction. See Figure 1 for an illustration of the Flood Flaps® FV.

3.2 Engineered Opening:

The Flood Flaps® FVs comply with the design principle noted in Section 2.6.2.2 of ASCE/SEI 24 for a rate of rise and fall of 5 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24, Flood Flaps® FVs must be installed in accordance with Section 4.0.

3.3 Model Sizes:

The Flood Flaps® FV model designations and sizes are as follows:

| MODEL | WIDTH (in) | HIGHT (in) | DEPTH (in) |
|--------|--------------------------------|-------------------------------|---------------|
| FFWF12 | 15 ⁵ / ₈ | 7 ³ / ₄ | 12 |
| FFNF12 | 15 ⁵ / ₈ | 7 ³ / ₄ | 12 |
| FFWF08 | 15 ⁵ / ₈ | 7 ³ / ₄ | 8 |
| FFNF08 | 15 ⁵ / ₈ | 7 ³ / ₄ | 8 |
| FFWF05 | 15 ⁵ / ₈ | 7 ³ / ₄ | 5 |
| FFNF05 | 15 ⁵ / ₈ | 7 ³ / ₄ | 5 |

For SI: 1 inch = 25.4 mm.

The FFWF series include two rubber flaps for the prevention of air flow. The FFNF series omit the rubber flaps.

3.4 Ventilation:

Flood Flaps® FV models FFNF12, FFNF08, FFNF05, and FFNF02 have metal screens with 1/4 inch by 1/4 inch (6 mm by 6 mm) openings and provide 37 square inches of net free opening to supply natural ventilation for under-floor ventilation. Flood Flaps® FV models FFWF12, FFWF08, and FFWF05 have not been evaluated for use as openings for under-floor ventilation.

4.0 DESIGN AND INSTALLATION

Flood Flaps® FVs are designed to be installed into walls of existing or new construction. Installation of the FVs must be in accordance with the manufacturer's instructions, the applicable code and this report. Flood Flaps® FVs can be installed in wood, masonry and concrete walls up to a thickness of 12 inches (305 mm). In order to comply with the engineered opening design principle noted in Section 2.6.2.2 of ASCE/SEI 24, the Flood Flaps® FVs must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.

- With a minimum of one FV for every 220 square feet (20 m²) of enclosed area.
- Below the base flood elevation.
- With the bottom of the FV located a maximum of 12 inches (305 mm) above grade.

5.0 CONDITIONS OF USE

The Flood Flaps[®] Flood vents described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The Flood Flaps[®] FVs must be installed in accordance with this report, the applicable code and the manufacturer's installation instructions. In the event of a conflict, the instructions in this report govern.

- 5.2 The Flood Flaps[®] FVs must not be used in place of "breakaway walls" in coastal high hazard areas, but are permitted for use in conjunction with breakaway walls in other areas.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC3084), dated October 2013.

7.0 IDENTIFICATION

The Flood Flaps models recognized in this report are identified by a label bearing the manufacturer's name, the model number, and the evaluation report number (ESR-3560).

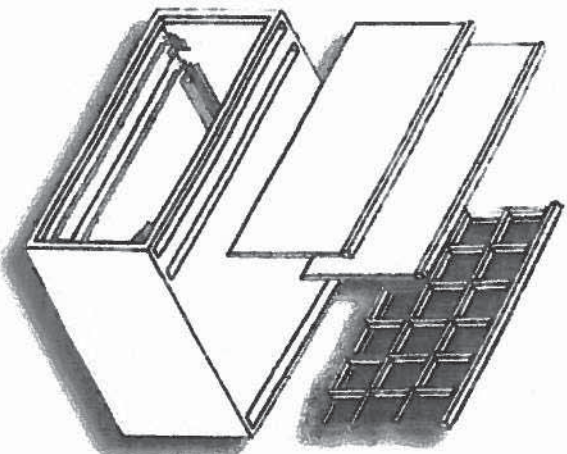


FIGURE 1—FLOOD FLAPS[®] FLOOD VENT



Florida Department of Environmental Protection

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Jonathan P. Stevenson
Secretary

February 25, 2016

Robert C. Krause, Trustee
c/o Brett D. Moore, P.E.,
Humiston & Moore Engineers
5679 Strand Court
Naples, Florida 34110

Dear Brett Moore:

100-Year Storm Elevation Site Specific Determination

File Number: ST-1988
Property Owner Name: Robert C. Krause, Trustee
Location of Subject Property: Between approximately 167 feet and 267 feet north of the Department of Environmental Protection's reference monument R-163, in Sarasota County.
Project address: 7960 Manasota Key Road, Sarasota.

This is in response to your letter received by the Department on February 23, 2016 requesting a site specific determination of the 100-year storm elevation at the project address.

Pursuant to Subsection 3109, Florida Building Code, all habitable structures shall be elevated at or above an elevation which places the lowest horizontal member above the 100-year storm elevation as determined by the Florida Department of Environmental Protection in the report titled "One-Hundred year storm Elevation requirements for Habitable Structures Located Seaward of a Coastal Construction Control Line." Alternatively, an applicant may request that the Department of Environmental Protection determine a site-specific 100-year storm elevation for the applicant's proposed habitable structure as part of the environmental permit application process. Based on the survey and site plan submitted with your request, a site specific 100-year storm elevation for the proposed habitable structure has been determined by the Department. The 100-year storm elevation (elevation of the lowest horizontal structural member) is + 16.2 feet (NAVD), or higher. In addition the design grade (scour elevation) is + 1.9 feet (NAVD), or lower.

This determination does not relieve you from your responsibility to comply with the permitting requirements of any other local, state, or federal regulatory agency which has jurisdiction over the proposed activity. If you have any questions, concerns, or need additional information, please contact me at the letterhead address (add Mail Station 300), or by telephone at 850/ 245-7674, or by e-mail at Muthuswamy.subbuswamy@dep.state.fl.us.

Sincerely,

S. Muthuswamy, Ph.D., Permit Manager
Coastal Construction Control Line Program
Division of Water Resource Management

cc: Kelly Cramer, Field Inspector
Sarasota County, Building Official
Robert C. Krause, Trustee, Property Owner