

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires February 28, 2009

Important: Read the instructions on pages 1-8.

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name: David Fry		For Insurance Company Use:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 41 Pearl Street		Policy Number	
City: Fort Myers Beach		Company NAIC Number	
State: Florida		ZIP Code: 33931	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lands described in 4392, Page 2142 of the Public Records of Lee County, Florida			
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential			
A5. Latitude/Longitude: Lat. N 26°26'56.76" Long. W 81°56'46.30" 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) 1,000 sq ft b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade (5) eng. Smart vents c) Total net area of flood openings in A8.b 200sq. in. per/vent x 5 =1,000 sq in		A9. For a building with an attached garage, provide: a) Square footage of attached garage N/A sq ft b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade None c) Total net area of flood openings in A9.b N/A sq in	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number Town of Fort Myers Beach 120673		B2. County Name Lee County		B3. State Florida	
B4. Map/Panel Number 12071C 0554	B5. Suffix F	B6. FIRM Index Date 08-28-2008	B7. FIRM Panel Effective/Revised Date 08-28-2008	B8. Flood Zone(s) VE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 17
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) _____					
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)? Designation Date _____ ☐ CBRS ☐ OPA ☐ Yes ☒ No					

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.

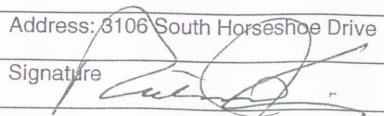
C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-g below according to the building diagram specified in Item A7.
Benchmark Utilized: **"DEP mon. A26 RM2"** Vertical Datum: **NAVD 1988**
Conversion/Comments **N/A**

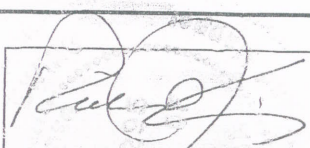
a) Top of bottom floor (enclosure)	5.32	☒ feet	☐ meters (Puerto Rico only)
b) Top of the next higher floor (living floor)	20.89	☒ feet	☐ meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only)	19.62	☒ feet	☐ meters (Puerto Rico only)
d) Attached garage (top of slab)	N/A	☐ feet	☐ meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building	19.6	☒ feet	☐ meters (Puerto Rico only)
f) Lowest adjacent (finished) grade (LAG)	5.0	☒ feet	☐ meters (Puerto Rico only)
g) Highest adjacent (finished) grade (HAG)	5.3	☒ feet	☐ meters (Puerto Rico only)

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.

Certifier's Name: Mr. Richard J. Ewing, P.S.M.		License Number: #5295	
Title: Professional Surveyor & Mapper		Company Name: Coastal Engineering Consultants Inc.	
Address: 3106 South Horseshoe Drive		City: Naples	
State: FL		ZIP Code: 34104	
Signature: 		Date: 10-30-09	
Telephone: 239-643-2324 Ext. 127		REVISED 11-5-09	


Mr. Richard J. Ewing
P.S.M. #5295
10-30-09
CEC File 04.278
REVISED 11-5-09

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.			Policy Number	
City	State	ZIP Code	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

Signature _____ Date _____

☐ Check here if attachments

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 _____

Local Official's Name	Title
Community Name	Telephone
Signature	Date
Comments	

☐ Check here if attachments

Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 41 Pearl Street			For Insurance Company Use: Policy Number
City: Fort Myers Beach	State: Florida	ZIP Code: 33931	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two 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." If submitting more photographs than will fit on this page, use the Continuation Page, following.

Front View



Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
41 Pearl Street

City: Fort Myers Beach
Code:33931

State: Florida

ZIP

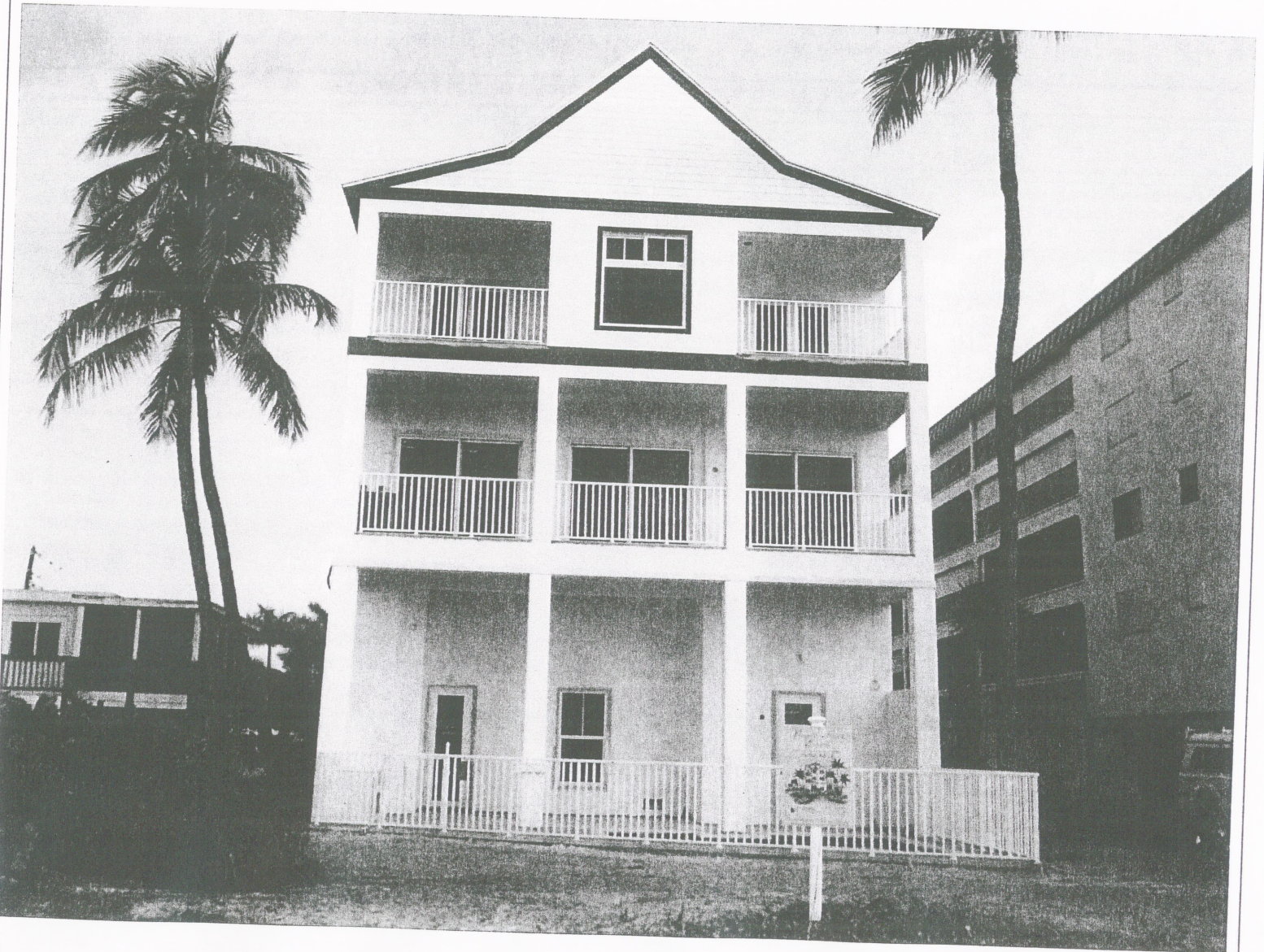
For Insurance Company Use:

Policy Number

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."

Rear View





V-Zone Building Design and Performance Certificate

For new Construction and substantial Improvements in Coastal High Hazard Areas

(To be completed by a Licensed Professional Engineer or Architect, authorized to certify such Information by State)

Section 1: Structure Location and Ownership Information

Structure Owner David Fry
Mailing Address 17499 McGregor Blvd
City Fort Myers State FL Zip Code 33908
Structure Location 41 Pearl St., Ft. Myers Beach, FL 33931
Latitude N 26° 26' 56.16" Longitude W 81° 56' 46.3" County LEE
Other Legal Description _____

Section 2: Flood Insurance Rate Map (FIRM) Data

NOTE: This Certificate is NOT a substitute for an Elevation Certificate.

Town of Ft. Myers Beach Community Name Lee City Community ID Number 120710 FIRM Panel Number 0554
Panel Suffix F FIRM Zone VE Date of FIRM Panel 8/28/08 Date of Index 8/28/08
Located within the Coastal Barriers Resource Act (CBRA) Zone or Otherwise Protected Areas: Yes / No X

Section 3: Elevation Information

Record elevations to one tenth of a foot.

Check one: New Building X Substantial Improvement /
Date of Construction 4/1/09
Elevation of the bottom of the Lowest Horizontal Structural Member..... 20.5 NGVD
9.34 NAVD feet
Base Flood Elevation (BFE)..... 17 feet
Elevation of Lowest Adjacent Grade (LAG)..... 5 feet
Elevation of Highest Adjacent Grade (HAG)..... 5.6 feet
Foundation type: Piling X Columns /
Foundation Description: Pilings 12" X 12" concrete
Elevation at Bottom of Foundation 9' BELOW LOWEST ADJACENT GRADE feet
Depth of scour/erosion used for foundation design..... 8' feet
Embedment depth of pilings or foundation below LAG..... 9' feet
Datum used: NGVD 29 / NAVD 88 X other _____

Section 4: V Zone Certifying Statement

I certify that I have developed or reviewed the structural design, plans, and specifications for construction and that the proposed design and methods of construction are in accordance with accepted standards of engineering practice for meeting the following provisions:

1. The bottom of the lowest horizontal structural member of the lowest floor (excluding pilings or columns) is elevated to above the BFE; and
2. The pile or column foundation and structure attached thereto are anchored to resist flotation, collapse, lateral movement, or other structural damage from the effects of wind and water loads acting simultaneously on all structure 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 standards. The scour and erosion at the foundation have been estimated for conditions associated with the base flood, including wave action.

Section 5: Breakaway Walls Certifying Statement

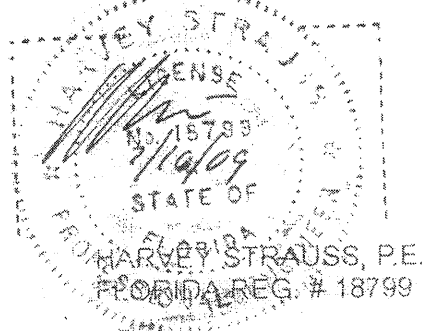
I certify that I have developed or reviewed the structural design, plans, and specifications for construction and that the proposed design and methods of construction are in accordance with accepted standards of engineering practice for meeting the following provisions:

1. Breakaway walls will collapse from a water load less than that which would occur during the base flood.
2. 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 (structural and non-structural).
3. The space below the lowest floor is designed to be used solely for parking of vehicles, building access, and/or storage.
4. The wind loading values used shall be those required by applicable State or local standards.

Section 6: Certification

Check one: Sections 4 and 5 ☒ Section 4 only ☐ Section 5 only ☐

Name (please print) Harvey Strauss P.E.
Title President License number 18799 FL
Phone Number 239-267-7777 EMAIL alphaengrhs@aol.com
Company Alpha Engineering of Lee County, Inc.
Address 6315-C Presidential Ct.
City Ft Myers State FL Zip Code 33919



ENGINEERING "NO-IMPACT" CERTIFICATION

This is to certify that I am duly qualified engineer licensed to practice in the State of Florida. It is to further certify that the attached technical data

supports the fact that proposed dwelling @ 41 Pearl St, Ft. Myers Beach, FL 33908
(Name of Development)

will not impact the 100-year flood elevations, floodway elevations and

floodway widths on Estero Pass
(Name of Water-body)

at published sections in the Flood Insurance Study for Town of Fort

Myer Beach, dated 8/28/08 and will not impact the

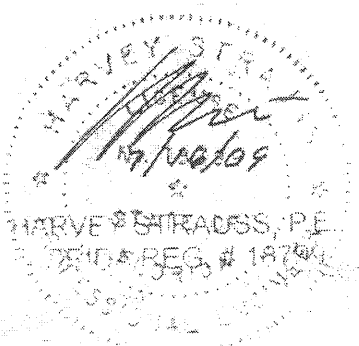
100-year flood elevations, floodway elevations, and floodway widths at

unpublished cross-sections in the vicinity of the proposed development.

7/16/09

(Date)

SEAL:



Harvey Stradoss P.E.
(Signature)

President, Alpha Engineering
(Title)
6315-C Presidential Ct,
Fort Myers, FL, 33919

(Address)

Engineered Flood Openings Certificate
To satisfy requirements of the National Flood Insurance Program

This certification must be submitted to, and kept on file by, the local jurisdiction's permit authority. A copy should be retained by the owner to demonstrate compliance in order to receive the best flood insurance rating.

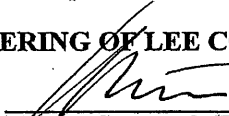
The Smart VENT® and Flood VENT™ Foundation Flood Vent is certified as meeting the flood opening requirements for engineered openings as set forth in the Federal Emergency Management Agency's National Flood Insurance Program regulations (44 CFR 60.3(c)(5) and ASCE 24-98, provided it is installed according to the those references, as summarized below. Flood openings are required in enclosures below elevated buildings, attached and detached garages, and accessory structures that meet the required limitations. For a copy of the report documenting this certification dated June 21, 2002, and a copy of the National Evaluation Service report NER 624, contact Smart VENT, Inc., at 877/441-8368 or visit:

www.smartvent.com

I do hereby certify that the Smart VENT® Louvered Foundation Flood Vent and the FloodVENT™ Insulated Foundation Flood Vent opening(s) is designed for installation in buildings, will allow for the automatic equalizing of hydrostatic flood forces on exterior walls by allowing for the automatic entry and exit of floodwater during floods up to and including the base (100-year) flood. One Smart VENT® or one FloodVENT™ for every 200 Sq.Ft. of enclosed area will provide sufficient hydrostatic pressure equalization during a flood provided the installation limitations and instructions are followed as listed below. To Calculate the required number of Smart VENTS® or FloodVENTS™ divide the Square Feet of enclosed area by 200.

Example: A 2000 Sq.Ft. enclosed area requires 10 vents. $2000 \text{ Sq.Ft.} / 200 = 10 \text{ Vents}$

ALPHA ENGINEERING OF LEE COUNTY, INC.

Signature: 
Title: Harvey Strauss, P.E./President
Type of License: Registered Professional Engineer
Florida Reg.#: 18799

Builder: CARLTON-NAUMANN
Project Name: FRY RESIDENCE
Project Number: 2588-06
Date Submitted: AUGUST 25, 2008

Professional Seal

Installation Limitations and Instructions

1. The Smart VENT® or FloodVENT™ unit provides sufficient automatic equalization of hydrostatic pressure on walls and foundations of buildings located in flood hazard areas where the rate of rise is expected to be less than or approximately 5 feet per hour.
2. Enclosed areas below otherwise elevated buildings, non-elevated attached and detached garages, and certain non-elevated accessory structures located in flood hazard areas are to be used solely for parking of vehicles, building access, or storage.
3. Each enclosed area shall have at least two flood openings, installed on different sides of the enclosed area.
4. The bottom of the flood openings shall be no more than one foot above the adjacent finished ground level.
5. Installation must be in accordance with manufacturer's instructions.

"REFERENCE ONLY" From FEMA TB 1-93
Guidance for Engineered Openings
Openings in Foundation Walls

National Flood Insurance Program (NFIP) Technical Bulletin TB 1-93

"In situations where it is not feasible or desirable to meet the openings criteria stated previously, a design professional (registered engineer or architect) may design and certify openings. This section provides guidance for such engineered designs. For openings not meeting all four requirements for non-engineered openings listed on page 2 and 3 of TB 1-93, certification by a registered professional engineer or architect is required. Such certification must be submitted to, and kept on file by, the community. These certifications must assure community officials that the openings are designed in accordance with accepted standards of practice. A certification may be affixed to the design drawings or submitted separately. It must include appropriate certification language, and the name, title, address, signature, type of license, license number, and professional seal of the certifier." (TB 1-93 is available through Smart VENT® or online at www.fema.gov)