

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 ANDREW AND PATRICIA PHILLIPS					Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1511 SWEETBAY TRAIL					Company NAIC Number:
City PANAMA CITY BEACH		State Florida		ZIP Code 32413	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) LOT B1-23, WILD HERON PHASE I, PLAT BOOK 18, PAGES 46 THROUGH 52, PARCEL NUMBER 35271-163-000					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) _____					
A5. Latitude/Longitude: Lat. <u>30.281800°</u> Long. <u>-85.968716°</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> 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 <u>1B</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) <u>N/A</u> sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>N/A</u>					
c) Total net area of flood openings in A8.b <u>N/A</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
A9. For a building with an attached garage:					
a) Square footage of attached garage <u>411.75</u> sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>N/A</u>					
c) Total net area of flood openings in A9.b <u>N/A</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 BAY COUNTY / 120004			B2. County Name BAY		B3. State Florida
B4. Map/Panel Number 12005C0162	B5. Suffix H	B6. FIRM Index Date 08-02-2009	B7. FIRM Panel Effective/ Revised Date 06-02-2009	B8. Flood Zone(s) X & AE	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 8.0
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

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ELEVATION CERTIFICATE

OMB No. 1660-0008
 Expiration Date: November 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. 1511 SWEETBAY TRAIL			Policy Number:
City PANAMA CITY BEACH	State Florida	ZIP Code 32413	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, 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: 46-02-C03V Vertical Datum: NAVD88

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) _____ 17.04 feet meters
- b) Top of the next higher floor _____ N/A feet meters
- c) Bottom of the lowest horizontal structural member (V Zones only) _____ N/A feet meters
- d) Attached garage (top of slab) _____ 16.40 feet meters
- e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) _____ 16.55 feet meters
- f) Lowest adjacent (finished) grade next to building (LAG) _____ 15.50 feet meters
- g) Highest adjacent (finished) grade next to building (HAG) _____ 17.62 feet meters
- h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support _____ 16.70 feet meters

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

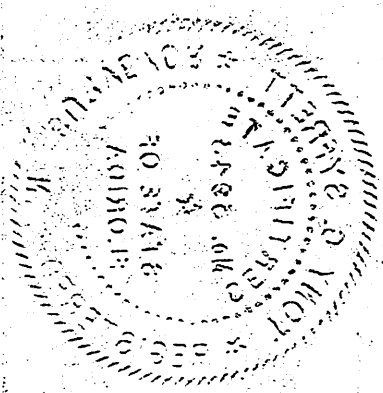
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable 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 Tony G. Syfrett, P.S.M.		License Number 5943	
Title PROJECT SURVEYOR AND MAPPER			
Company Name SOUTHEASTER SURVEYING & MAPPING CORP.			
Address 1130 HIGHWAY 90			
City CHIPLEY	State Florida	ZIP Code 32428	
Signature 	Date 01-27-2017	Telephone (850) 638-0790	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)
 The air conditioning unit on the West side of home is lowest machinery servicing the home.



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ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 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. 1511 SWEETBAY TRAIL			Policy Number:
City PANAMA CITY BEACH	State Florida	ZIP Code 32413	Company NAIC Number

**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.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the integrity of the financial system and for the ability to detect and prevent fraud.

2. The second part of the document outlines the specific requirements for record-keeping. It states that all transactions must be recorded in a clear and concise manner, and that the records must be maintained for a minimum of five years.

3. The third part of the document discusses the role of the auditor in verifying the accuracy of the records. It notes that the auditor must exercise due diligence in reviewing the records and must report any discrepancies to the appropriate authorities.

4. The fourth part of the document discusses the consequences of failing to maintain accurate records. It states that individuals who fail to comply with the requirements may be subject to civil and criminal penalties.

5. The fifth part of the document discusses the importance of training and education in ensuring compliance with the requirements. It notes that individuals involved in the financial system must receive appropriate training and education to ensure that they are able to perform their duties accurately and ethically.

6. The sixth part of the document discusses the role of the regulatory body in enforcing the requirements. It notes that the regulatory body has the authority to investigate and prosecute individuals who fail to comply with the requirements.

7. The seventh part of the document discusses the importance of transparency and accountability in the financial system. It notes that transparency and accountability are essential for the confidence of the public in the financial system.

8. The eighth part of the document discusses the importance of ongoing monitoring and evaluation of the financial system. It notes that the regulatory body must regularly monitor and evaluate the financial system to ensure that it remains sound and stable.

9. The ninth part of the document discusses the importance of international cooperation in addressing financial crime. It notes that financial crime is a global issue and that international cooperation is essential for its effective prevention and prosecution.

10. The tenth part of the document discusses the importance of public awareness and education in promoting the integrity of the financial system. It notes that the public must be educated about the risks of financial crime and the importance of reporting suspicious activity.

The document also includes a section on the importance of data security and privacy. It notes that the financial system must be able to protect sensitive information from unauthorized access and disclosure. It also discusses the importance of data integrity and the need to ensure that data is accurate and reliable.

The document also includes a section on the importance of ethical conduct in the financial system. It notes that individuals involved in the financial system must adhere to high ethical standards and must be able to resist pressure to engage in unethical behavior. It also discusses the importance of whistleblowers in reporting unethical behavior.

The document also includes a section on the importance of the financial system in supporting economic growth and development. It notes that a sound and stable financial system is essential for the growth and development of a country. It also discusses the importance of the financial system in providing access to financial services for all individuals.

The document also includes a section on the importance of the financial system in promoting social justice and equality. It notes that the financial system must be able to provide access to financial services for all individuals, regardless of their income level. It also discusses the importance of the financial system in supporting the needs of vulnerable populations.

The document also includes a section on the importance of the financial system in promoting environmental sustainability. It notes that the financial system must be able to support the transition to a sustainable economy. It also discusses the importance of the financial system in providing access to financing for green and sustainable investments.

The document also includes a section on the importance of the financial system in promoting innovation and technological advancement. It notes that the financial system must be able to provide access to financing for innovative and technological ventures. It also discusses the importance of the financial system in supporting the development of new and emerging technologies.

The document also includes a section on the importance of the financial system in promoting global peace and stability. It notes that a sound and stable financial system is essential for global peace and stability. It also discusses the importance of the financial system in supporting international trade and investment.

The document also includes a section on the importance of the financial system in promoting the well-being of the global community. It notes that the financial system must be able to provide access to financial services for all individuals, regardless of their location. It also discusses the importance of the financial system in supporting the needs of the global community.

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 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. 1511 SWEETBAY TRAIL			Policy Number:
City PANAMA CITY BEACH	State Florida	ZIP Code 32413	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	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 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 <i>Wayne Porter</i>	Title
--	-------

Community Name	Telephone
----------------	-----------

Signature <i>Wayne Porter</i>	Date <i>5/31/17</i>
----------------------------------	------------------------

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

*OK for C.O.
wp*

Check here if attachments.

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Second main paragraph of text, continuing the faint, illegible content.

Third main paragraph of text, still appearing as faint, illegible characters.

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Handwritten text below the signature, possibly a company name or address.

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

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

ELEVATION CERTIFICATE

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. 1511 SWEETBAY TRAIL			Policy Number:
City PANAMA CITY BEACH	State Florida	ZIP Code 32413	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

Clear Photo One



Photo Two

Photo Two Caption

Clear Photo Two

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
5408 SOUTH DIVISION STREET
CHICAGO, ILLINOIS 60637
TEL: 773-936-3700
FAX: 773-936-3701
WWW: WWW.CHEM.UCHICAGO.EDU

RESEARCH INTERESTS: ORGANIC CHEMISTRY, POLYMER CHEMISTRY, AND MATERIALS CHEMISTRY

EDUCATION: B.S. CHEMISTRY, UNIVERSITY OF CHICAGO, 1988
M.S. CHEMISTRY, UNIVERSITY OF CHICAGO, 1990
PH.D. CHEMISTRY, UNIVERSITY OF CHICAGO, 1993

PROFESSOR OF CHEMISTRY, UNIVERSITY OF CHICAGO, 1993-PRESENT
ASSOCIATE PROFESSOR OF CHEMISTRY, UNIVERSITY OF CHICAGO, 1990-1993
ASSOCIATE PROFESSOR OF CHEMISTRY, UNIVERSITY OF CHICAGO, 1988-1990
POST-DOCTORAL FELLOW, UNIVERSITY OF CHICAGO, 1987-1988
RESEARCH ASSISTANT, UNIVERSITY OF CHICAGO, 1985-1987

AWARDS AND HONORS: ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 1995
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 1996
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 1997
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 1998
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 1999
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2000
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2001
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2002
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2003
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2004
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2005
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2006
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2007
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2008
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2009
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2010
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2011
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2012
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2013
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2014
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2015
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2016
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2017
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2018
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2019
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2020
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2021
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2022
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2023
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2024
ROBERT A. HARRIS AWARD FOR BEST PAPER IN POLYMER CHEMISTRY, 2025

BUILDING PHOTOGRAPHS

Continuation Page

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

ELEVATION CERTIFICATE

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. 1511 SWEETBAY TRAIL			Policy Number:
City PANAMA CITY BEACH	State Florida	ZIP Code 32413	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

Photo Three Caption

Clear Photo Three



Photo Four

Photo Four Caption

Clear Photo Four

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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 ANDREW AND PATRICIA PHILLIPS		Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1511 SWEETBAY TRAIL		Company NAIC Number:	
City PANAMA CITY BEACH	State FL	Zip Code 32413	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) LOT B1-23, WILD HERON PHASE I, PLAT BOOK 18, PAGES 46 THROUGH 52, PARCEL NUMBER 35271-163-000			
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL			
A5. Latitude/Longitude: Lat. 30.281800° Long. -85.968716° 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 1B			
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) <u>N/A</u> sq ft	b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>N/A</u>	a) Square footage of attached garage <u>411.75</u> sq ft	b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>N/A</u>
c) Total net area of flood openings in A8.b <u>N/A</u> sq in	d) Engineered flood openings? <input type="radio"/> Yes <input checked="" type="radio"/> No	c) Total net area of flood openings in A9.b <u>N/A</u> sq in	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 BAY COUNTY / 120004		B2. County Name BAY	B3. State FL
B4. Map/Panel Number 12005C0162	B5. Suffix H	B6. FIRM Index Date Jun 2, 2009	B7. FIRM Panel Effective/ Revised Date Jun 2, 2009
B8. Flood Zone(s) X & AE		B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 8.0	
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input 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: 46-02-C03V		Vertical Datum: 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)	<u>17</u> - <u>04</u>	<input checked="" type="radio"/> feet	<input type="radio"/> meters
b) Top of the next higher floor	<u>N/A</u> - _____	<input checked="" type="radio"/> feet	<input type="radio"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u> - _____	<input checked="" type="radio"/> feet	<input type="radio"/> meters
d) Attached garage (top of slab)	<u>16</u> - <u>40</u>	<input checked="" 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)	<u>16</u> - <u>55</u>	<input checked="" type="radio"/> feet	<input type="radio"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>15</u> - <u>50</u>	<input checked="" type="radio"/> feet	<input type="radio"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>17</u> - <u>62</u>	<input checked="" type="radio"/> feet	<input type="radio"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>16</u> - <u>70</u>	<input checked="" type="radio"/> feet	<input type="radio"/> meters

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ELEVATION CERTIFICATE

OMB Control Number: 1660-0008

Expiration: 11/30/2018

1511 SWEETBAY TRAIL

PANAMA CITY BEACH

FL

32413

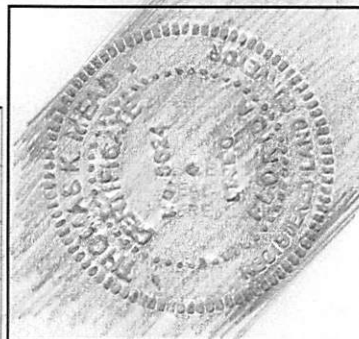
SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

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 attachments.

Were latitude and longitude in Section A provided by a licensed land surveyor?

Yes No



Certifier's Name Thomas K. Mead, P.S.M.		License Number 5624	
Title PROJECT SURVEYOR		Company Name SOUTHEASTER SURVEYING & MAPPING	
Address 1130 HIGHWAY 90		City CHIPLEY	State FL
		Zip Code 32428	
Signature 		Date 05-11-2017	Telephone 638-0790

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)*

The air conditioning unit on the West side of home is lowest machinery servicing the home.

5-11-2017

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 _____ - _____ 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 8 -9 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.

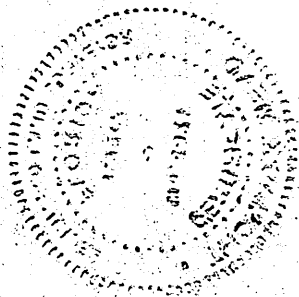
Property Owner or Owner's Authorized Representative's Name:

Address _____ City _____ State _____ ZIP Code _____

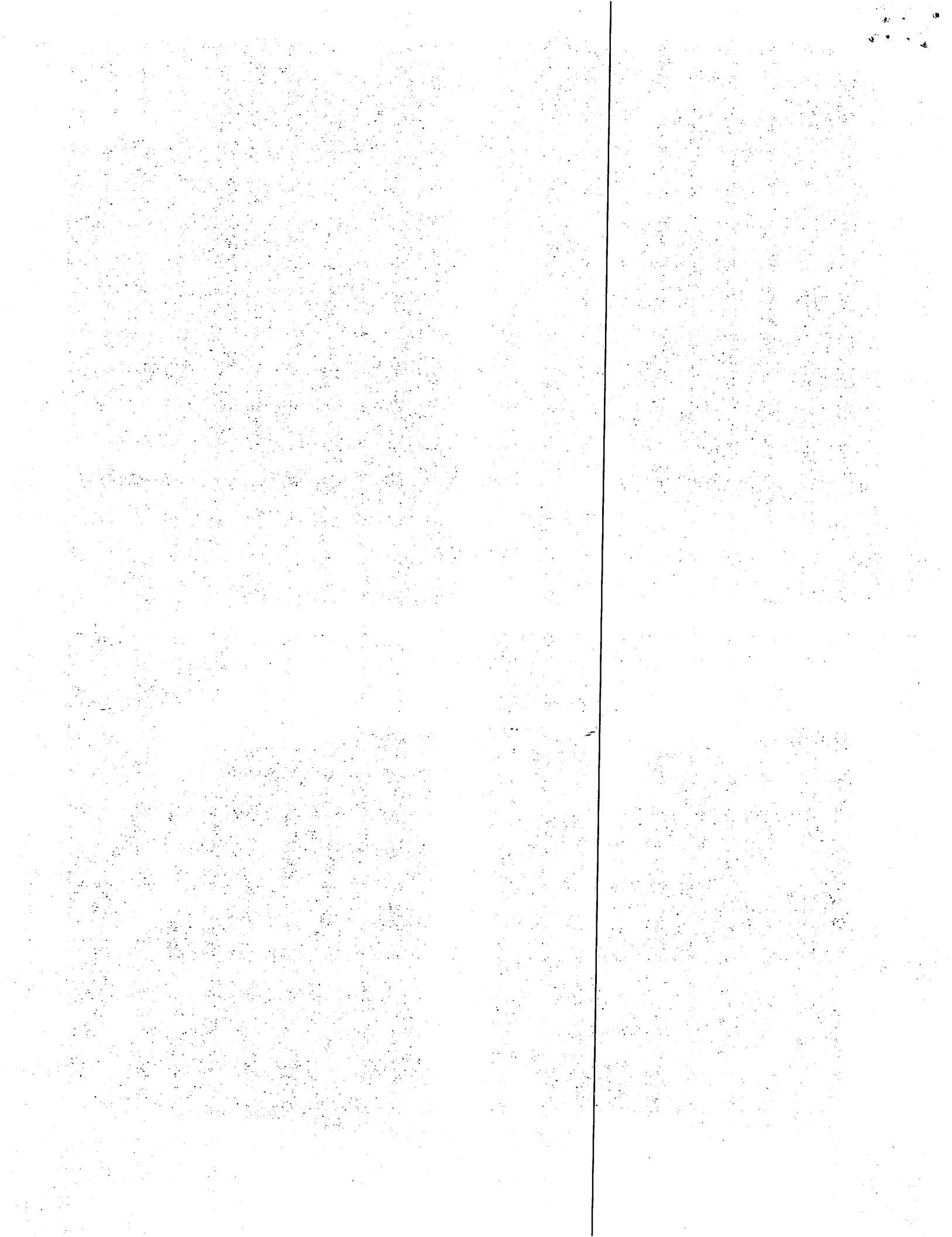
Signature _____ Date _____ Telephone _____

Comments

Check here if attachments.







Certification of Engineered Flood Openings

In accordance with NFIP, FEMA TB 1-08, and ASCE/SEI 24-05

I hereby certify that the Crawl Space Door Systems flood vents 816CS, 1220CS, 1232CS, 1616CS, 1624CS, 1632CS, 2032CS, 2424CS, and 2436CS are designed in accordance with the requirements of the NFIP "Flood Insurance Manual" (2011) to provide automatic equalization of hydrostatic flood forces by allowing for the entry and exit of floodwaters, when properly installed and sized as set forth below. This certification follows the design requirements and specifications established in FEMA Technical Bulletin 1-08, "Openings in Foundation Walls and Walls of Enclosures Below Elevated Buildings in Special Flood Hazard Areas", and the ASCE Standard for "Flood Resistant Design and Construction" (ASCE/SEI 24-05). The actual vent opening measurements were determined and certified by Mr. Christopher Mark Loney, Virginia PE No. 029000. Calculations are based on the spreadsheet formulas, and "Review of certification of Engineered Flood Openings, dated January 16, 2012" prepared by Dr. Georg Relchard, Associate Professor of Building Construction, Virginia Tech.

Design Characteristics

Section 2.6.2.2 of ASCE 24 provides an equation to determine the required net area of engineered openings (A_o) for a given enclosed area (A_e). This equation is based on the hydraulic formula for the flow rate across sharp edged orifices. I have utilized this equation to calculate 1) the respected flow rate through the individual openings between louvers; 2) the flow rate through the main frame opening in case the louver is blown out during a flood event; and 3) the flow rate of water flowing through louver blades following hydraulic short tube theory. The ultimate maximum total enclosed area (A_e) that can be serviced by a single vent has then been determined by utilizing the lowest flow rate of the three assessed scenarios for each vent and is listed in Table 1.

These values are based on the following assumptions:

- In absence of reliable data, the rates of rise and fall have been assumed with 5 feet/hour;
- The (maximum) difference between the exterior and interior floodwater levels has been assumed with 1 foot during base flood conditions;
- A factor of safety of 5 has been assumed, which is consistent with design practices related to protection of life and property;
- The net area of openings (A_o) as provided by the manufacturer.

*)	Model	H x W [in]	A_o [in ²]	A_e [ft ²]
<input checked="" type="checkbox"/>	816CS	8 x 16	106	205
<input type="checkbox"/>	1220CS	12 x 20	237	500
<input type="checkbox"/>	1232CS	12 x 32	306	645
<input type="checkbox"/>	1616CS	16 x 16	184	395
<input type="checkbox"/>	1624CS	16 x 24	312	670
<input type="checkbox"/>	1632CS	16 x 32	408	835
<input type="checkbox"/>	2032CS	20 x 32	630	1240
<input type="checkbox"/>	2424CS	24 x 24	570	1230
<input type="checkbox"/>	2436CS	24 x 36	852	1765

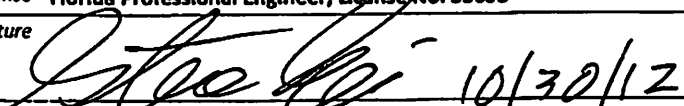
Table 1 Maximum total enclosed area (A_e) that can be served by each individual model based on the given net area of engineered openings (A_o)

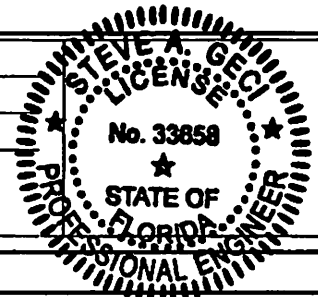
Installation Requirements and Limitations

This certification will be voided if the following installation requirements and limitations are not enforced:

- There shall be a minimum of two openings on different sides of each enclosed area;
- The bottom of each required opening shall be no more than 1ft above the adjacent ground level;
- No temporary (e.g. during cold weather) or permanent solid cover may be placed into or over the flood vent that would block the automatic entry or exit of floodwaters at any time;
- Where analysis indicates rates of rise and fall greater than 5 ft/hr, the total enclosed area as given in Table 1 shall be reduced accordingly to account for the higher rates of rise and fall.

Certifying Design Professional

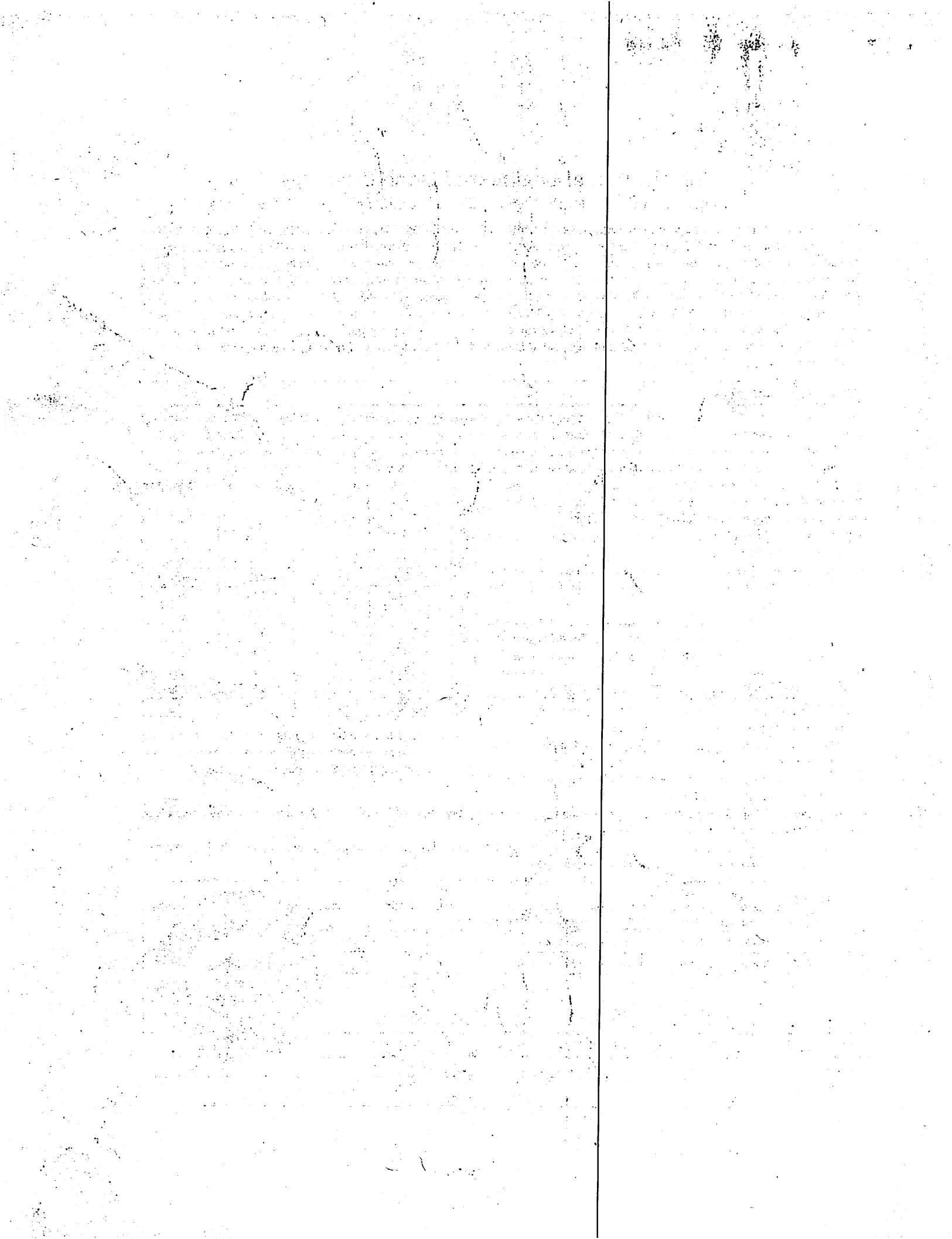
Name, Title	Steve A. Gecl, President, Gecl & Associates Engineers, Inc.
Address	2950 N 12 th Avenue, Pensacola, FL 32503
License	Florida Professional Engineer, License No. 33658
Signature	 10/30/12



Identification of the Building and Installed Flood Vents (By Others)

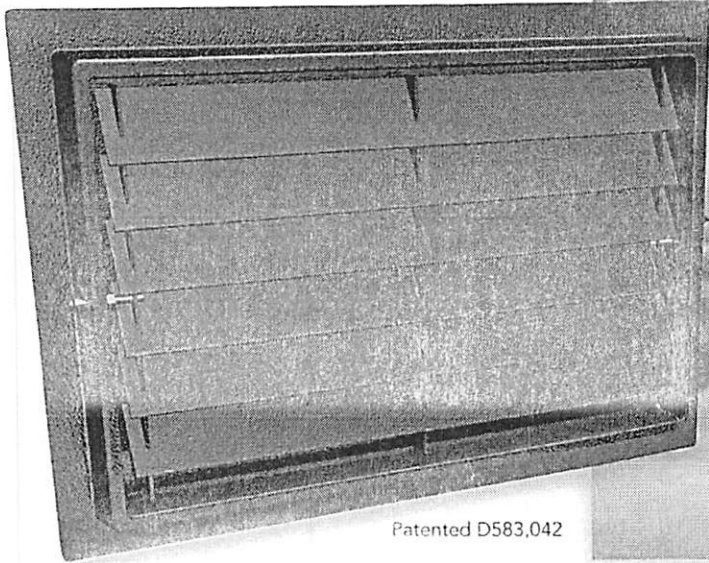
The flood vent models marked in Table 1*) are being installed at the following building:

Building Address

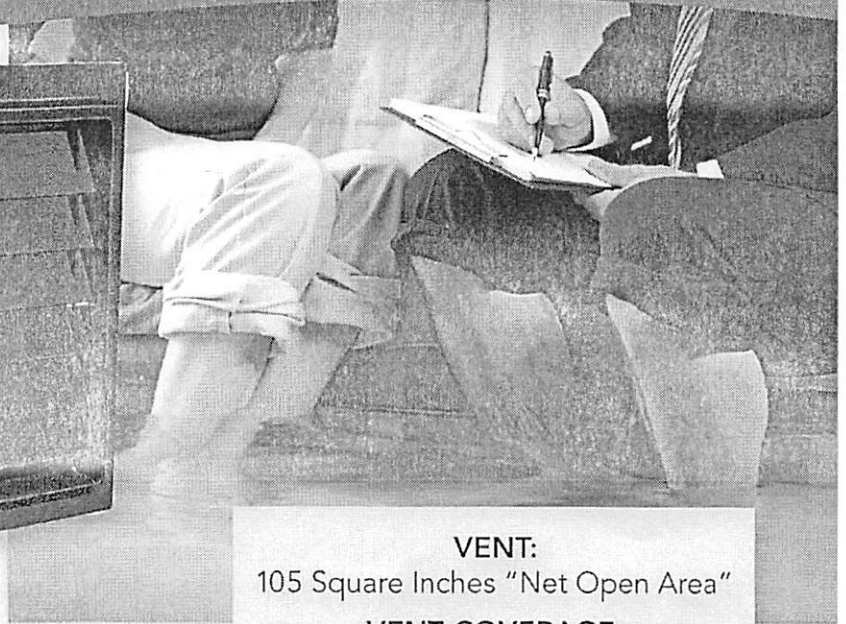


FEMA COMPLIANT FLOOD VENT

8" X 16" ENGINEERED FLOOD VENT



Patented D583,042



VENT:
105 Square Inches "Net Open Area"
VENT COVERAGE:
205 Square Feet "Enclosed Area"

FEMA: TECHNICAL BULLETIN – AUGUST 2008 (Page 24)
Non-Engineered Openings

Engineered Openings

Openings that are designed and certified by a registered design professional as meeting the performance required by the regulations are called "engineered openings."

This section describes certification and documentation requirements for engineered openings and the specific design requirements.

Engineered openings with individual certification

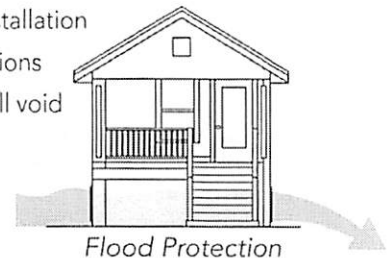
For architectural or other reasons, building designers or owners may prefer to use unique or individually designed openings or devices. In these cases, a registered design professional must submit a certification. As a general rule, States require a designer to be licensed to practice in the State in which building is located.

The original certification of the engineered openings must include the design professional's name, title, address, signature, type of license, license number, the State in which

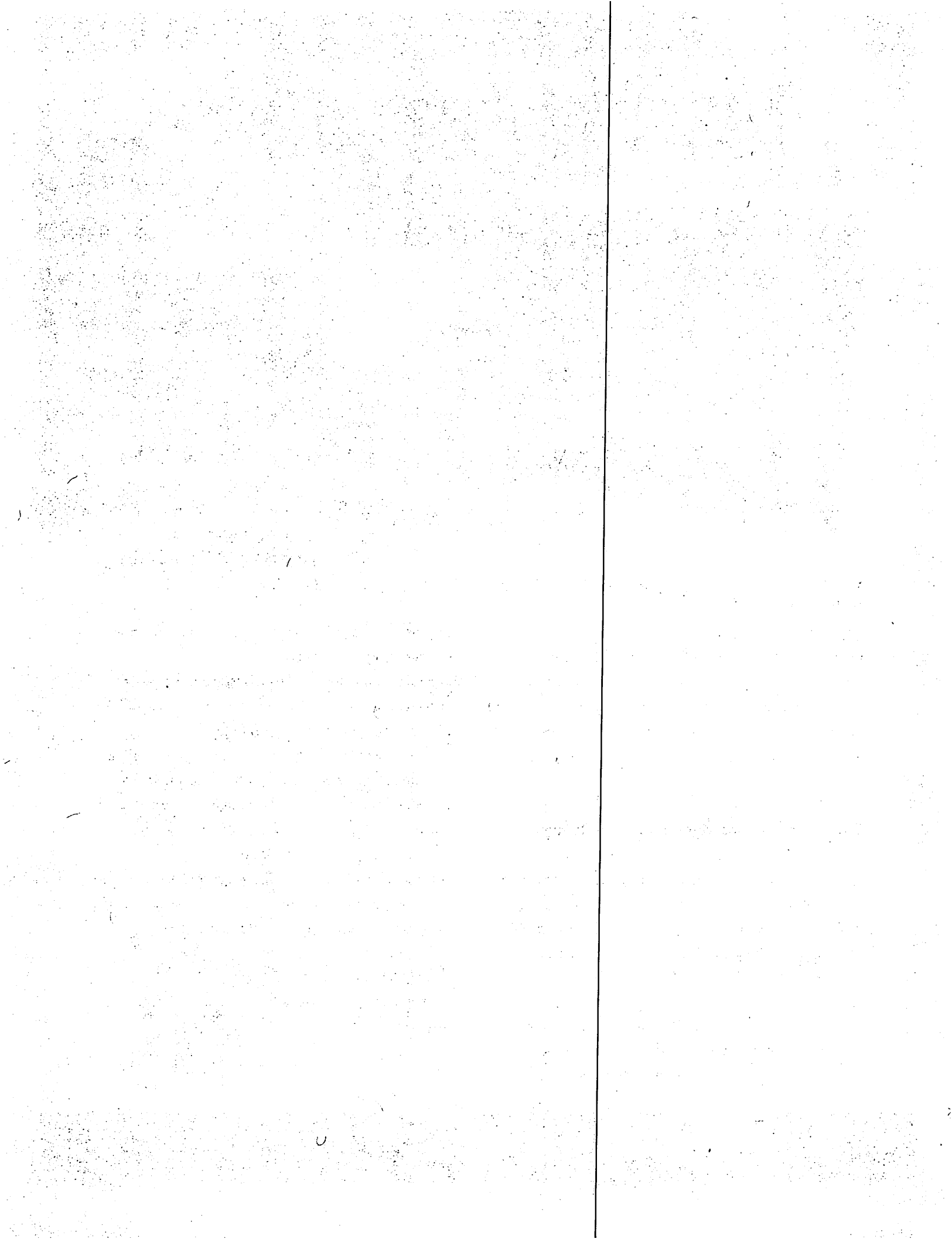
the license was issued, and the signature and applied seal of the certifying registered design professional.

The certification shall identify the building in which the engineered openings will be installed. The language of the certification shall address the following:

- A statement certifying that the openings are designed to automatically equalize hydrostatic flood loads on exterior walls by allowing the automatic entry and exit of floodwaters in accordance with the Engineered openings, design requirements on page 26,
- Description of the range of flood characteristics tested or computed for which the certification is valid, such as rates of rise and fall of floodwaters, and
- Description of the installation requirements or limitations that, if not followed, will void the certification.



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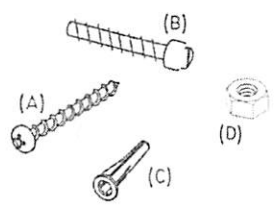
Flood Vent

quick+easy Installation Guide

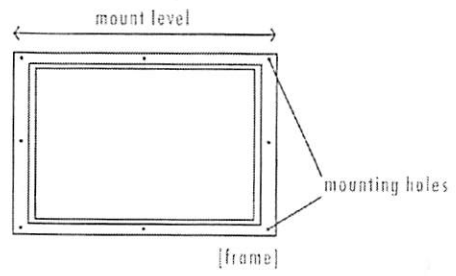


**Crawl Space
Door Systems**
INCORPORATED

WHAT YOU'LL NEED:	
•POWER DRILL	
•1/4" MASONRY BIT	
•PHILIPS HEAD SCREWDRIVER	
•HAMMER	
•LEVEL	

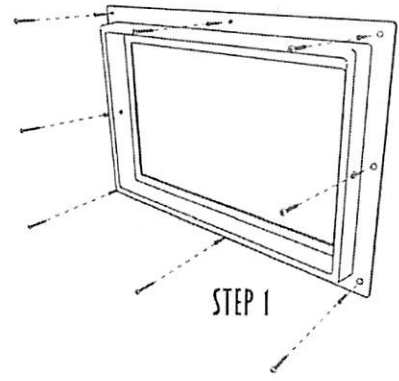


INCLUDED IN THE KIT:	
A SCREWS	D NUTS
B THREADED NYLON PINS	E FRAME
C ANCHORS	F LOUVER



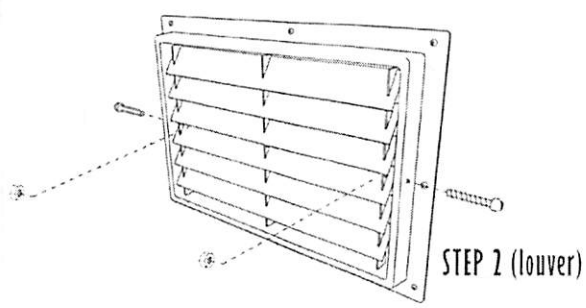
STEP 1. FRAME INSTALLATION

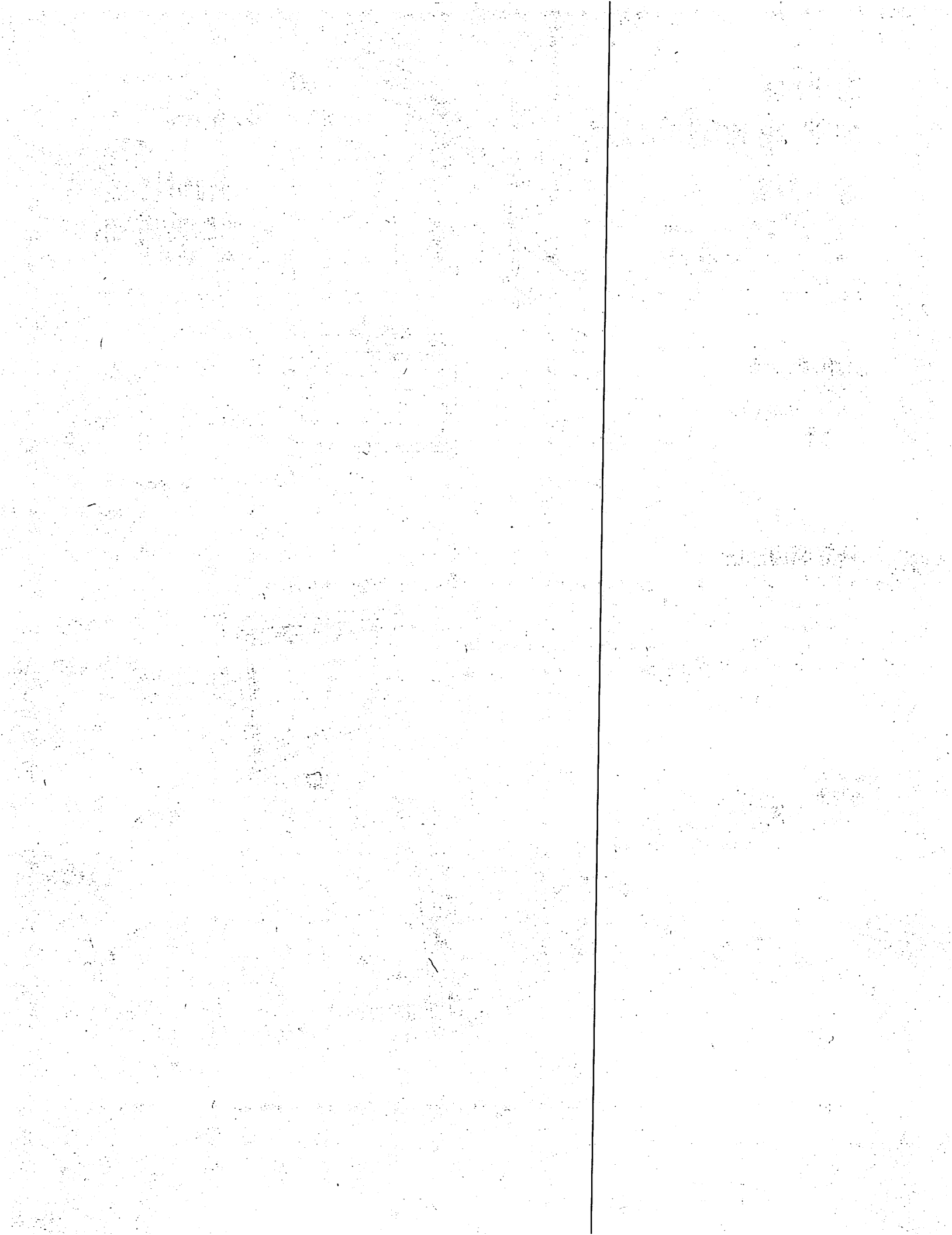
BALANCE frame (E) centered over crawlspace opening. With frame (E) in place, drill top center hole.
 INSERT anchor (C) into hole in wall.
 SECURE top center screw (A).
 LEVEL frame (E). With frame (E) held in place, drill remaining holes.
 INSERT remaining anchors (C) into wall.
 SECURE all screws (A).



STEP 2. LOUVER INSTALLATION

PLACE louver (F) inside the frame (E).
 SECURE on sides with threaded nylon pins (B) and nuts (D).





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. 1511 SWEETBAY TRAIL	For Insurance Company Use:
City PANAMA CITY BEACH State FL ZIP Code 32413	Policy Number
	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 on the reverse.



