

U.S. DEPARTMENT OF HOMELAND SECURITY  
FEDERAL EMERGENCY MANAGEMENT AGENCY  
National Flood Insurance Program

# ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

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

## SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name Southwest Condominium Association

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
4910-12 Asbury Avenue

City Ocean City State NJ ZIP Code 08226

FOR INSURANCE COMPANY USE

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)  
Block 4903, Lot 15

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

A5. Latitude/Longitude: Lat. N 39° 13' 55.7" Long. W 074° 37' 45.0"

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance. Horizontal Datum:  NAD 1927  NAD 1983

A7. Building Diagram Number g

A8. For a building with a crawlspace or enclosure(s):

a) Square footage of crawlspace or enclosure(s) 1438 sq ft

b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 8"

c) Total net area of flood openings in A8.b 1800 sq in

d) Engineered flood openings?  Yes  No

A9. For a building with an attached garage:

a) Square footage of attached garage N/A sq ft

b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade N/A

c) Total net area of flood openings in A9.b N/A sq in

d) Engineered flood openings?  Yes  No

## SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number  
Ocean City 345310

B2. County Name  
Cape May

B3. State  
New Jersey

B4. Map/Panel Number  
0003

B5. Suffix  
C

B6. FIRM Index Date  
7/15/1992

B7. FIRM Panel Effective/Revised Date  
9/5/1984

B8. Flood Zone(s)  
A-7

B9. Base Flood Elevation(s) (Zone AO, use base flood depth)  
10.00

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)?  
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-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.  
Benchmark Utilized: PIP JU0377 Vertical Datum: NAVD 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) 7.03\*  feet  meters

b) Top of the next higher floor 10.57\*  feet  meters

c) Bottom of the lowest horizontal structural member (V Zones only) N/A  feet  meters

d) Attached garage (top of slab) N/A  feet  meters

e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 10.04\*  feet  meters

f) Lowest adjacent (finished) grade next to building (LAG) 8.99  feet  meters

g) Highest adjacent (finished) grade next to building (HAG) 7.32  feet  meters

h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support N/A  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.

Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No

Check here if attachments.

Certifier's Name Michael W. Hyland, P.E & L.S. License Number 20509

Title Prof. Land Surveyor Company Name Hyland Design Group, Inc

Address 701 West Ave., Suite 301 City Ocean City State NJ ZIP Code 08226

Signature [Signature] Date 11/20/2013 Telephone 609-398-4477

PLACE SEAL HERE

ELEVATION CERTIFICATE, page 2

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.  
4910-12 Asbury Avenue

City Ocean City

State NJ

ZIP Code 08226

FOR INSURANCE COMPANY USE

Policy Number:

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 A8b. (6) Vents are too high and do not count; (8) Engineered Flood Openings: Dual Function Smart Vent (Model No. 1540-510) Manufactured by Smart Vent Products  
C2. The benchmark for the Certificate "JU0377 USC&GS 2704" Elev = 6.06 (NAVD 1988). Datum Conversion to NGVD 1929 per the attachment; see www.agc.army.mil/corpscon for further information as to the methodology.

C2a. Crawlspace Elev 7.03

C2b. Main Floor Elev 10.57

C2c. Lowest Mechanicals Exterior AC Condenser Elev 10.04

Signature

Date 11/20/2013

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 8-9 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'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-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

Title

Community Name

Telephone

Signature

Date

Comments

Check here if attachments.

ELEVATION CERTIFICATE, page 3

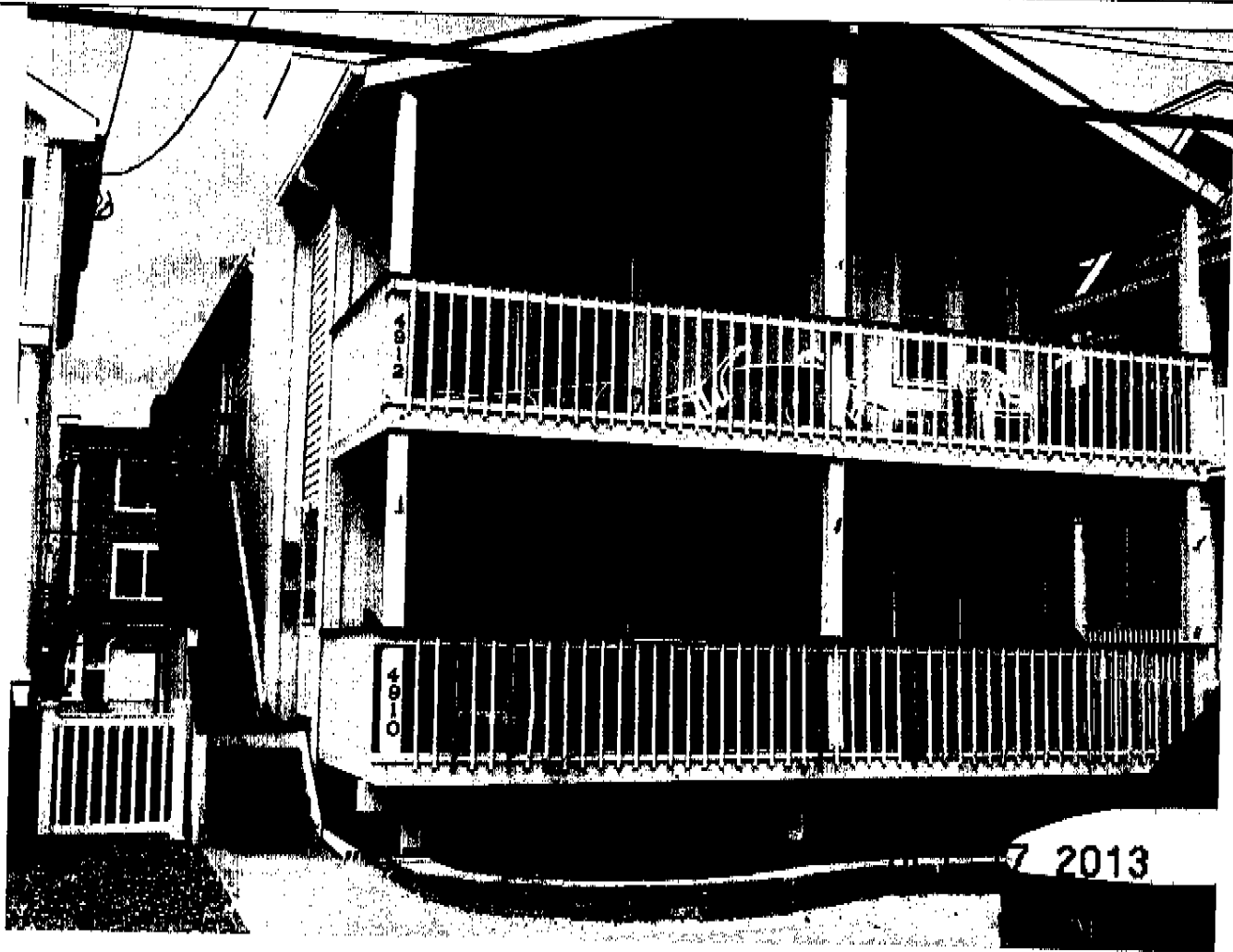
Building Photographs

See Instructions for Item A6.

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. 4910-12 Asbury Avenue		FOR INSURANCE COMPANY USE
City Ocean City		Policy Number:
State NJ	ZIP Code 08226	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.



View: Front

**ELEVATION CERTIFICATE, page 4**

**Building Photographs**

Continuation Page

**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. 4910-12 Asbury Avenue			<b>FOR INSURANCE COMPANY USE</b>	
City Ocean City			Policy Number:	
State NJ ZIP Code 08226			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.



View: Left Side

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# Hyland Design Group, Inc.

2704 JU0377

27 February 2013

## INPUT

State Plane, NAD83  
2000 - New Jersey, U.S. Feet  
Vertical - NAVD88, U.S. Feet

## OUTPUT

State Plane, NAD27  
2000 - New Jersey, U.S. Feet  
Vertical - NGVD29 (Vertcon94), U.S. Feet


*Accuracies of conversions from NAD 83 to NAD 27 are typically 12 to 18 cm.*

**JU0377**

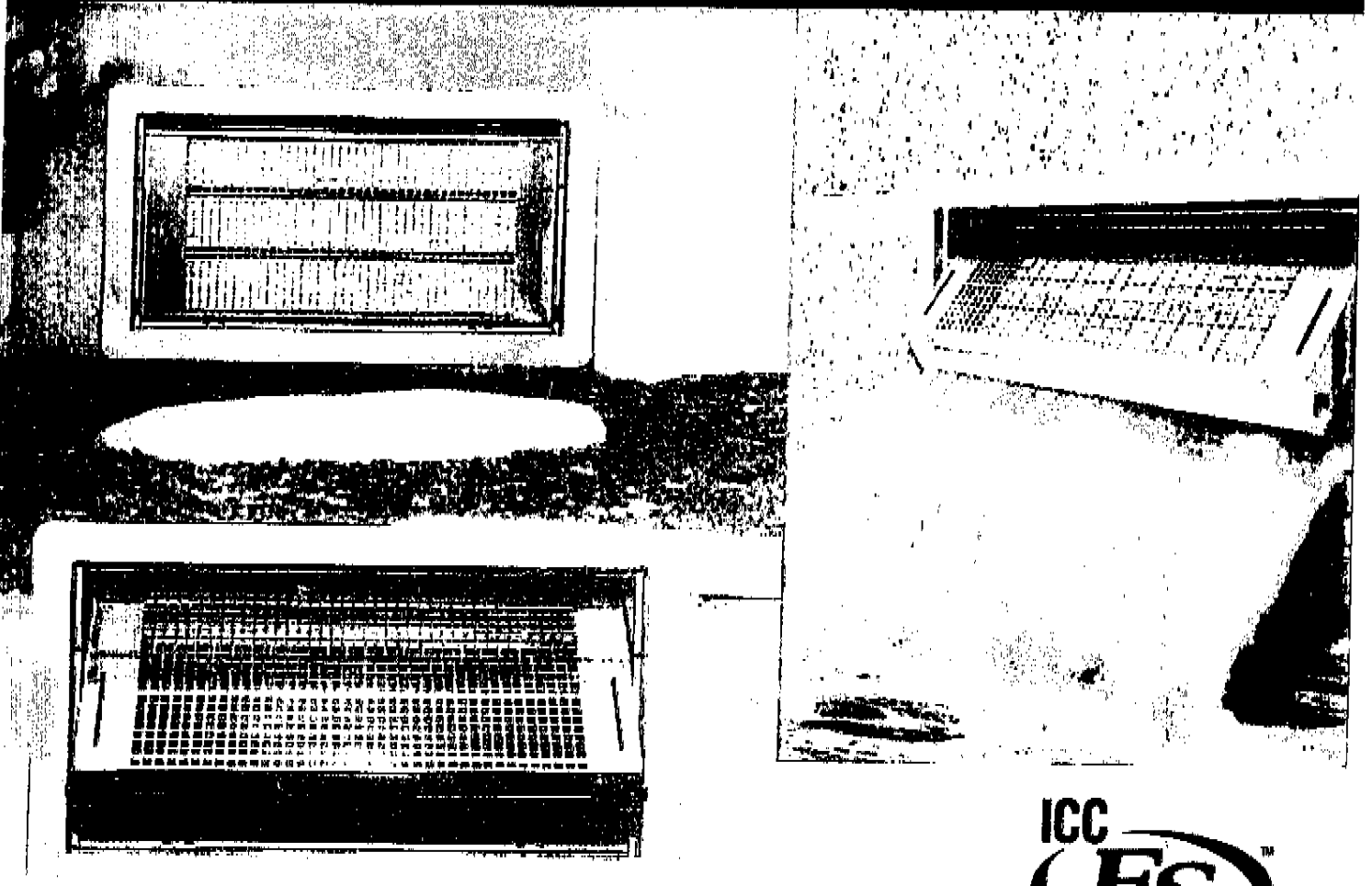
1/1

Northing/Y: 153303	Northing/Y: 153256.597
Easting/X: 461558	Easting/X: 2016514.974
Elevation/Z: 5.06	Elevation/Z: 6.343
Convergence: -0 04 05.90450	Convergence: 0 02 12.84517
Scale Factor: 0.999901068	Scale Factor: 0.999975341
Combined Factor: 0.999906267	Combined Factor: 0.999975038
Grid Shift (U.S. ft.): X/Easting = 1584957.0, Y/Northing = -46.4	
Datum Shift (m.): Delta Lat. = -12.798, Delta Lon = 34.393	

Remark:



**SMART VENT® - Model: 1540-510**



## Dual Function SMART VENT®

### Superior Flood Protection and Natural Air Ventilation

#### ICC-ES Evaluated and FEMA Accepted Foundation Flood Vents

- Potential savings on homeowner's NFIP premiums
- Preserves aesthetic beauty of a home by requiring 2/3 less vents
- Each vent certified to protect 200 sq. ft. of your home
- Code Compliant, FEMA accepted, ICC-ES Evaluated
- All Stainless Steel construction meets or exceeds flood and corrosion resistance code requirements
- Patented automatic floats release bi-directional flood door
- Temperature controlled louvers automatically open in warm weather and close in cold weather

One 16" x 8" vent is certified to cover 200 square feet of enclosed area for flood protection and 51 square inches for ventilation

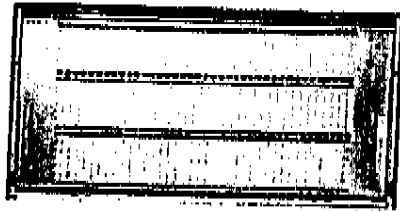
SMART VENT® models are certified to provide flood protection and ventilation. This model is used for a home with a crawl space or any enclosed area that desires natural air ventilation and flood protection. All stainless steel construction resists weather and pest.



**SMART VENT**

www.smartvent.com • 877-441-8368

## SMART VENT® - Model: 1540 510



**Model #:** 1540-510

**Installation Type:** Masonry Wall

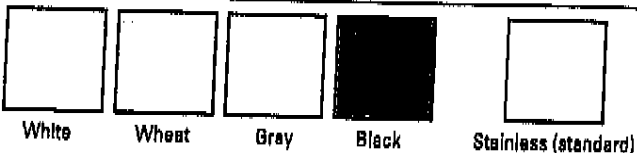
**Style:** louvered

**Dimensions:** 16" x 8"

**Rough Opening:** 16 1/4" x 8 1/4" (one block, or CMU)

**Finish:** Stainless Steel (Standard)

### Available Powder Coat Colors For Special Order:



### Optional Accessories:

Fire Damper, Interior Trim Flange & Inner Sleeve, Rain Shield

**Other Models Available:** Insulated FLOOD VENT, Overhead Garage Door Model, Stacked and Quad Configurations, Models for Wood Studded Wall Applications and Pour in Place Buck Systems.

There's more online at [www.smartvent.com](http://www.smartvent.com)

Dealer Locator, Installer Locator, Cad Drawings, Installation Instructions, Technical Specifications, Frequently Asked Questions, Videos, Testimonials, Resource Library Database, Insurance Forms.



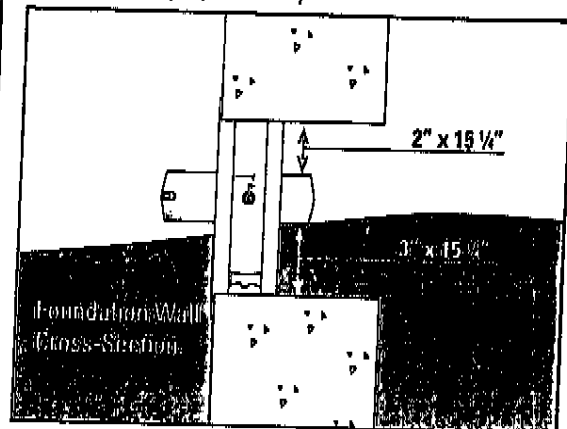
Rapidly rising floodwater can put extreme pressure on the foundation walls causing improperly vented structures to buckle and collapse. SMART VENTS® quickly and efficiently equalize the pressure and minimize damage.

### How it works:

**Flood Protection:** The SMART VENT® door is latched closed until flood water enters. Entering flood water lifts the patented internal floats which unlatches and rotates the door open. This allows the flood water to automatically enter and exit through the frame opening, relieving the pressure from your foundation walls.

**Ventilation:** A bimetal coil (like a thermostat, no electricity is needed) automatically opens and closes the ventilation louvers as temperature changes. They will be closed when it is freezing outside and open when it is warm outside to provide natural ventilation.

**Important note:** SMART VENT® does not rely on the louvers to let floodwater in and out. Regardless of the louvers' position, opened or closed, when floodwater flows into the door, the internal floats release the door to rotate open to relieve the hydrostatic pressure. The louvers and pest screen are rotated out of the path of the floodwater. The temperature-controlled louvers are for ventilation purposes only.



### How does one SMART VENT® provide so much coverage?

You may have heard that FEMA requires that flood openings provide one square inch of opening per one square foot of enclosed area, referring to dimensions of the opening in proportion to the space to be vented. This is only partially correct. FEMA's regulations and guidelines do state that a non-engineered flood vent solution must (among other requirements) provide one square inch of opening per square foot of enclosed area to be vented. However, all SMART VENT® products are ICC-ES certified engineered openings. They have been designed, engineered, tested, rated, and certified to provide flood relief so efficiently that only one unit is needed for 200 square feet of enclosed area. It would be our pleasure to contact your code official, surveyor, or insurance agent if they require more information.