

## 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 Paulinebea, LLC				Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 6271 Gulf of Mexico Drive				Company NAIC Number:	
City Longboat Key		State Florida		ZIP Code 34228	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lots 12 & 13, Sleepy Lagoon PID# 7837700059					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>					
A5. Latitude/Longitude: Lat. <u>27.423912°</u> Long. <u>-82.672082°</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>6</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) <u>2,621.8</u> sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>9</u>					
c) Total net area of flood openings in A8.b <u>2,048</u> sq in					
d) Engineered flood openings? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
A9. For a building with an attached garage:					
a) Square footage of attached garage <u>0</u> sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>0</u>					
c) Total net area of flood openings in A9.b <u>0</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 Town of Longboat Key 125126			B2. County Name Manatee		B3. State Florida
B4. Map/Panel Number 12081C0291	B5. Suffix E	B6. FIRM Index Date 03/17/2014	B7. FIRM Panel Effective/ Revised Date 03/17/2014	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 10'
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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 AUG 15 2017  
 TOWN OF LONGBOAT KEY  
 Planning, Zoning and Building

# ELEVATION CERTIFICATE

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

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<b>FOR INSURANCE COMPANY USE</b>
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 6271 Gulf of Mexico Drive			Policy Number:
City Longboat Key	State Florida	ZIP Code 34228	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: NGS BM# W 689 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)   | <u>08. 28</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor   | <u>19. 93</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only)   | <u>N/A.</u>   | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| d) Attached garage (top of slab)  | <u>N/A.</u>   | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| e) Lowest elevation of machinery or equipment servicing the building<br>(Describe type of equipment and location in Comments) | <u>13. 33</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG)  | <u>5. 99</u>  | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG)   | <u>7. 53</u>  | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support                                  | <u>08. 30</u> | <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 Martin S. Britt	License Number LS 5538
Title Land Surveyor	
Company Name MSB Surveying, Inc.	
Address 31 Sarasota Center Blvd., Suite C	
City Sarasota	State Florida
	ZIP Code 34240
Signature <i>Martin S. Britt</i>	Date 07/26/2017
	Telephone (941) 341-9935



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)  
A8.a) denotes the overall area of the openings prior to Smart Vents installed.  
C2.e) denotes the bottom of Tankless Water Heater. AC units are located in ceilings of the lower level structure at 16.3'. Bottom of Elevator pit at 7.58'. Bottom of electrical breaker box at 13.06'. Bottom of lowest horizontal structure = 18.4'  
NOTE: Smart Vents installed are Model #1540-520 (single vent) and #1540-521 (double vents). Total enclosed area vents will accommodate = 3200 sq.ft. (16 vents x 200sq.ft. each). See break down of enclosed areas (3) vs. number of vents on attached sheet.

NOTE: Sheets 7 & 8 added with 3 attachments to this 6 page document.

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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.



# BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008

Expiration Date: November 30, 2018

## ELEVATION CERTIFICATE

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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 (07/26/2017) Front View



Photo Two

Photo Two Caption (07/26/2017) Right Side View

# BUILDING PHOTOGRAPHS

Continuation Page

OMB No. 1660-0008  
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## ELEVATION CERTIFICATE

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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 One

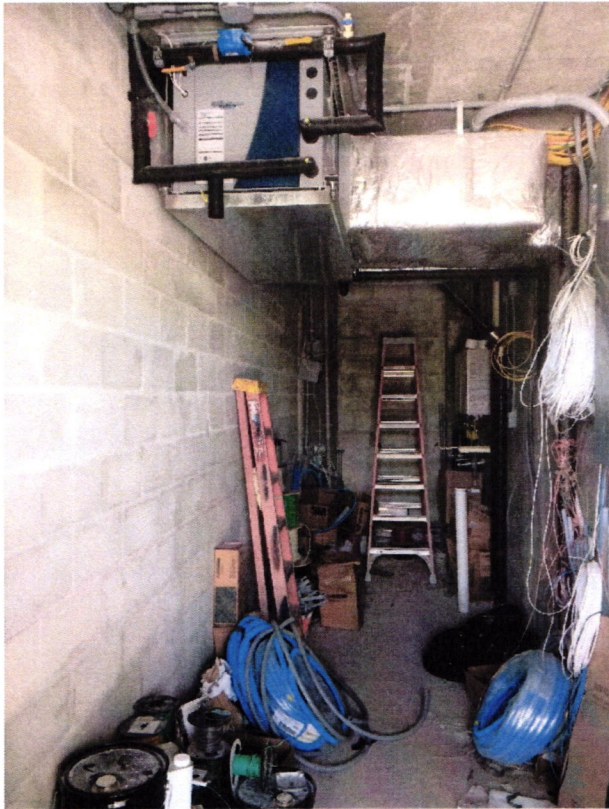
Photo One Caption (07/26/2017) Rear View



Photo Two

Photo Two Caption (07/26/2017) A/C Unit in ceiling

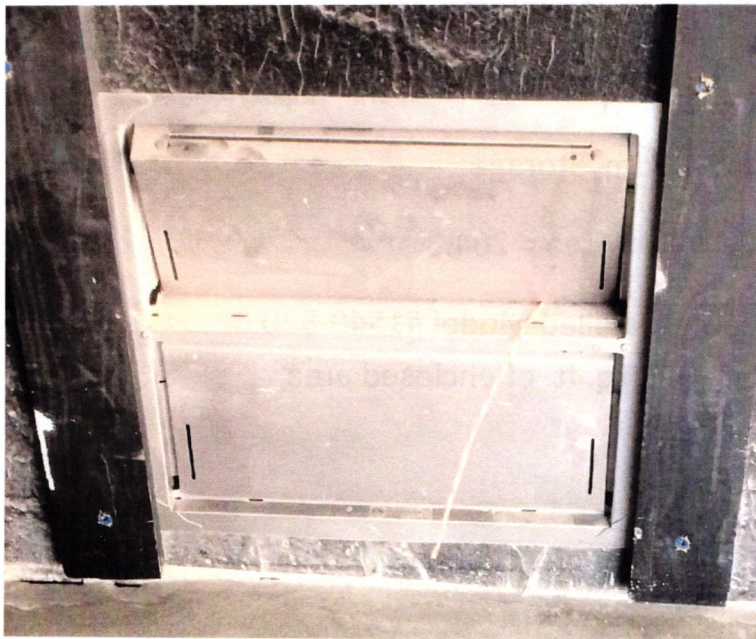
(7/26/2017) AC Unit



Tank Less Hot Water Heater



(07/26/2017) Typical Flood Vent (Double)



ADDITIONAL INFORMATION FOR ENCLOSED AREAS ON FIRST LEVEL

Enclosed Area / AC'd Exercise Room:

Square Feet of Enclosed Area = 1231.4

4 Double Smart Vents installed Model #1540-521  
Will accommodate 1600 sq. ft. of enclosed area

Enclosed Area / Parking, Storage, Mechanical Room:

Square Feet of Enclosed Area = 1185.6

2 Double Smart Vents installed Model #1540-521  
Will accommodate 800 sq. ft. of enclosed area  
2 Single Smart Vents installed Model #1540-520  
Will accommodate 400 sq. ft. of enclosed area  
Total = 1200 sq. ft. of enclosed area

Enclosed Area / Electrical Room, Storage:

Square Feet of Enclosed Area = 204.8

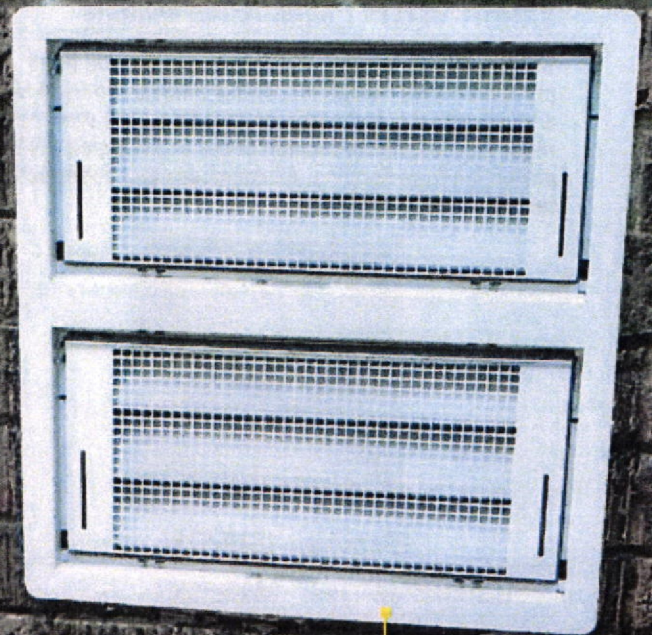
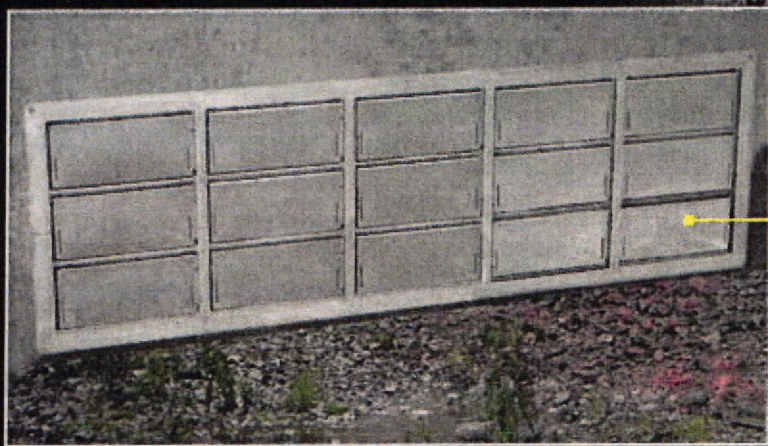
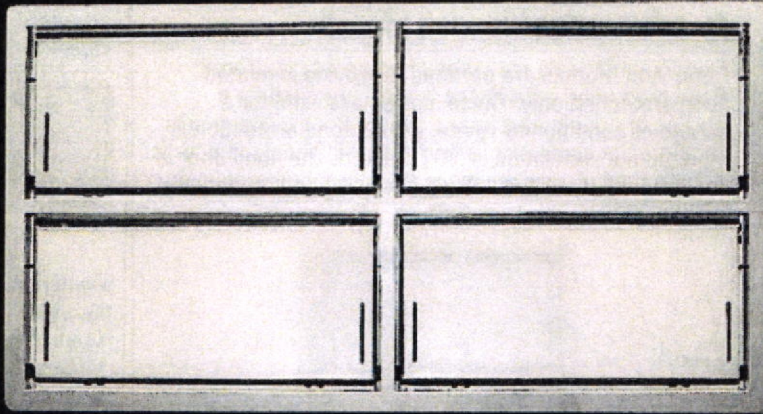
2 Single Smart Vents Installed Model #1540-520  
Will accommodate 400 sq. ft. of enclosed area





## SMART VENT® Combination Models

Quad Configuration



Custom  
Commercial  
Application

Stacked  
Model

## Stacked, Quad and Custom Flood Vents SMART VENT® Combination Models Multiply Protection

Combination models come standard in a stacked and a quad configuration. Each configuration is available in a dual function (ventilation and flood protection), or insulated (flood protection only) style. Stacked models are twice as efficient as a single unit and are generally used to provide protection in larger dwellings or where adequate wall space is not available. Quad configurations are an excellent solution for larger commercial projects and are not normally used in residential dwellings. Four vents provide 800 square feet of coverage into a single opening.

### 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:** On dual function models, 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 cold outside and open when it is warm outside to provide natural ventilation.

**Important note:** Dual Function models do not rely on the louvers to let flood water in and out. Regardless of the louvers' position, opened or closed, when flood water 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 flood water. The temperature controlled louvers are for ventilation purposes only.



# SMART VENT

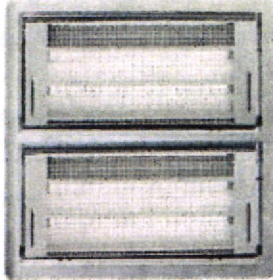
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## SMART VENT® Combination Models

### SMART VENT® Combination Models

SMART VENT® Models are certified to provide flood protection AND ventilation. These models are used for a home with a crawl space or built on a pony wall that requires seasonal ventilation of the crawl space AND protection from flooding. All stainless steel construction resists weather and pests.



**Model #:** 1540-511

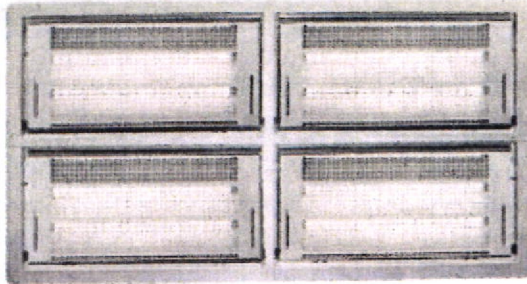
**Installation Type:** Masonry

**Style:** Louvered

**Dimensions:** 16" x 16"

**Rough Opening:** 16¼" x 16 ⅜"  
(two blocks, or CMU)

One 16" x 16" vent certified for 400 sq. ft. of enclosed area for flood, and 102 sq. in. for ventilation



**Model #:** 1540-550

**Installation Type:** Masonry

**Style:** Louvered

**Dimensions:** 32" x 16"

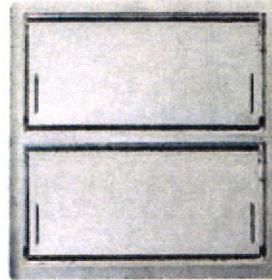
**Rough Opening:** 33" x 16 ⅜"  
(four blocks, or CMU)

One 32" x 16" unit certified for 800 sq. ft. of enclosed area for flood, and 204 sq. in. for ventilation

*\*Some assembly of frames required*

### Flood Vent Combination Models

Flood Vent Models are certified to provide insulated flood protection only. These models are used for a garage or conditioned space, where flood protection is required but ventilation is NOT desired. The flood door is constructed of solid stainless steel wrapped around an insulating foam core.



**Model #:** 1540-521

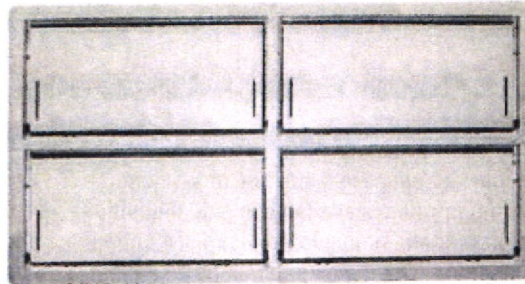
**Installation Type:** Masonry

**Style:** Insulated

**Dimensions:** 16" x 16"

**Rough Opening:** 16¼" x 16 ⅜"  
(two blocks, or CMU)

One 16" x 16" vent certified for 400 sq. ft. of enclosed area for flood



**Model #:** 1540-560

**Installation Type:** Masonry

**Style:** Insulated

**Dimensions:** 32" x 16"

**Rough Opening:** 33" x 16 ⅜"  
(four blocks, or CMU)

One 32" x 16" unit certified for 800 sq. ft. of enclosed area for flood

Standard Finish:



Stainless

Available Powder Coat Colors For Special Order:



White



Wheat



Gray



Black

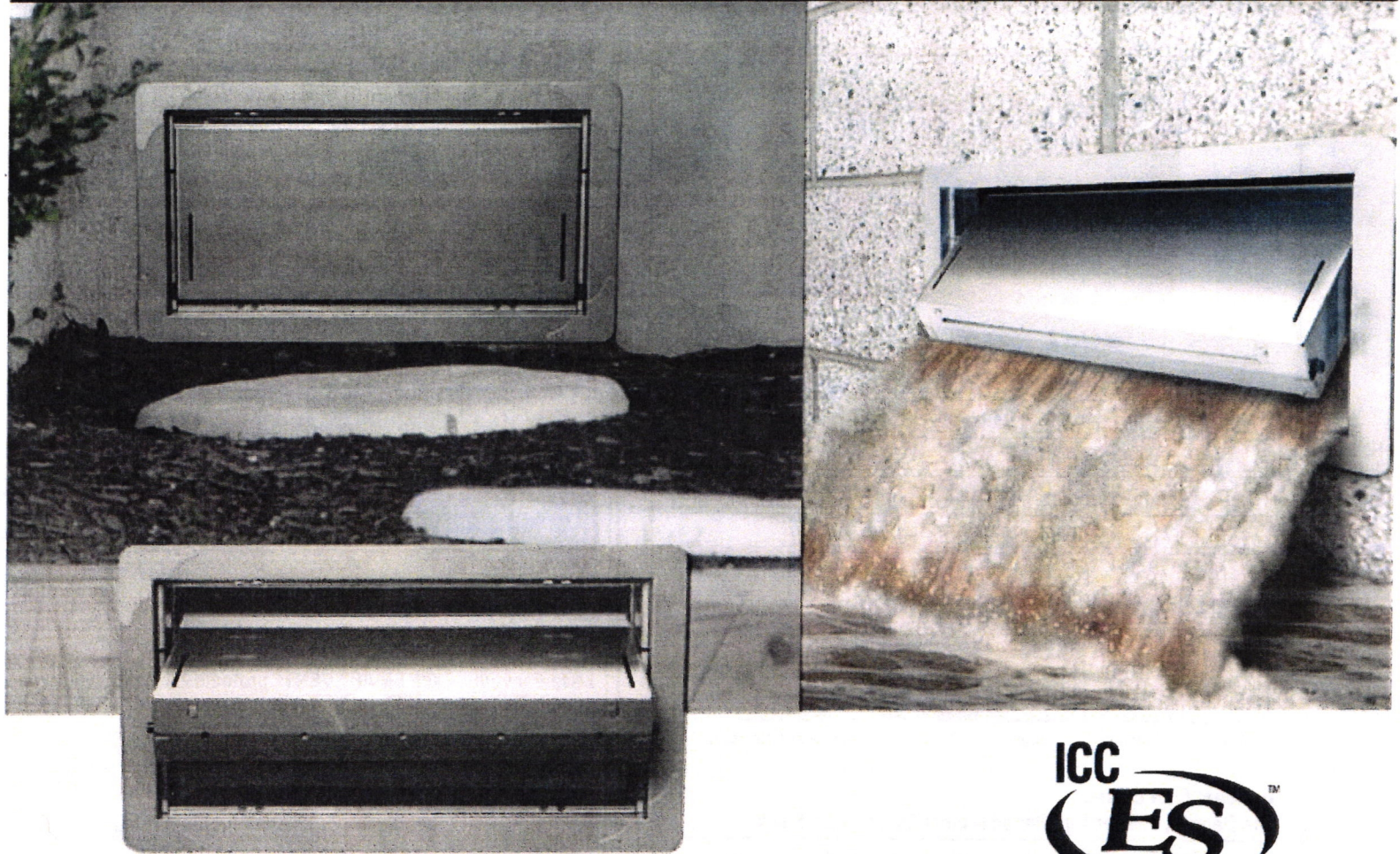
Optional accessories for all models:

Fire Damper, Interior Trim Flange, Inner Sleeve and Pour in Place Buck Kits

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Insulated FLOOD VENT - Model: 1540-520



## High Efficiency Insulated Flood Vent Superior Automatic Flood Protection

### 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
- Great for conditioned or sealed crawl spaces

### One 16" x 8" vent is certified to cover 200 square feet of enclosed area for flood protection

The insulated flood vent model is certified to provide insulated flood protection only. This model is used for a garage or conditioned space, where flood protection is required but ventilation is NOT desired. The flood door is constructed of solid stainless steel wrapped around an insulating foam core.

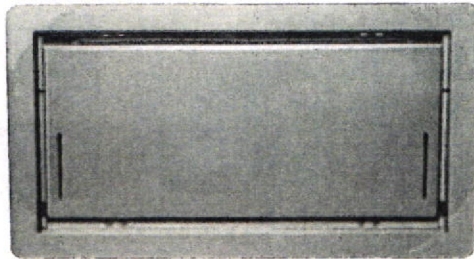


**SMART VENT**

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## Insulated FLOOD VENT - Model: 1540-520



**Model #:** 1540-520

**Installation Type:** Masonry Wall

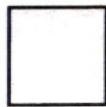
**Style:** Insulated

**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:



White



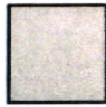
Wheat



Gray



Black



Stainless (standard)

### Optional Accessories:

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

**Other Models Available:** SMART VENT® Dual Function Ventilating 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)

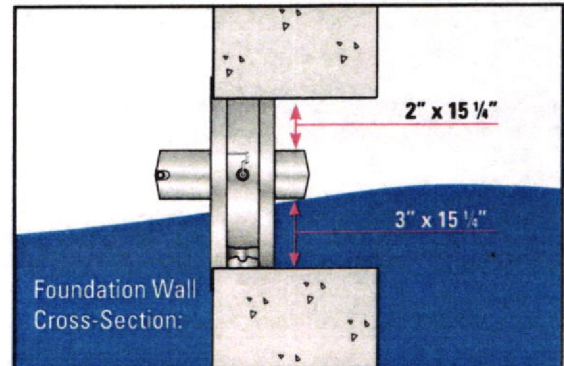
Dealer Locator, Installer Locator, Cad Drawings, Installation Instructions, Technical Specifications, Frequently Asked Questions, Videos, Testimonials, Resource Library Database, Insurance Forms.



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.

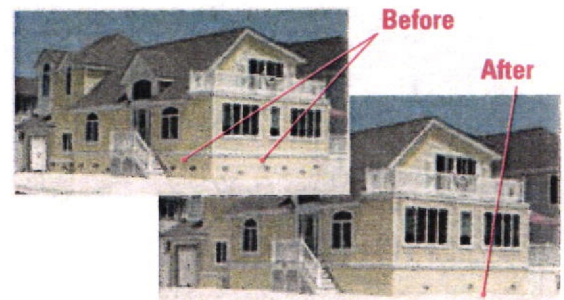
### How it works:

**Flood Protection:** The FLOOD VENT door is latched closed until floodwater enters. Entering floodwater 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.



### Use Fewer Vents

Preserve the aesthetic beauty of a home by requiring 2/3 fewer vents. Each SMART VENT® protects 200 sq/ft of enclosed area vs. 60 sq/ft for non-compliant vents.



### How does one of your vents provide so much coverage?

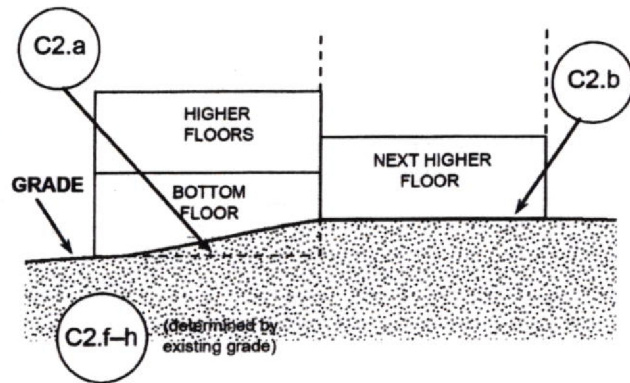
You may have heard that FEMA requires that flood openings provide one square inch of opening per one square foot of enclosed area, referring to dimensions of the opening in proportion to the space to be vented. This is only partially correct. FEMA's regulations and guidelines do state that a non-engineered 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.

## Building Diagrams

**DIAGRAM 3**

All split-level buildings that are slab-on-grade, either detached or row type (e.g., townhouses); with or without attached garage.

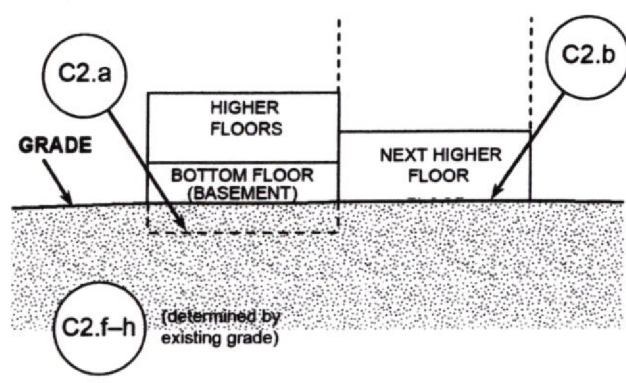
**Distinguishing Feature** – The bottom floor (excluding garage) is at or above ground level (grade) on at least 1 side.\*



**DIAGRAM 4**

All split-level buildings (other than slab-on-grade), either detached or row type (e.g., townhouses); with or without attached garage.

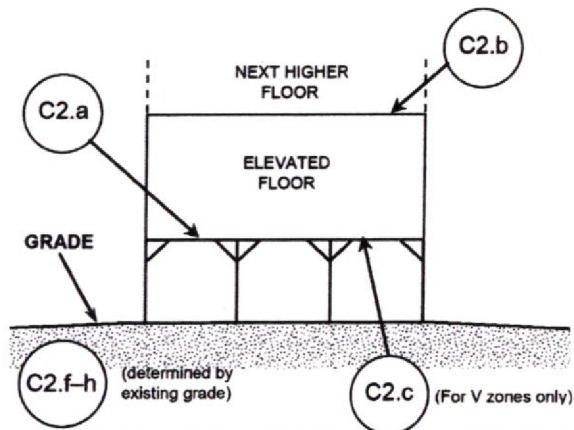
**Distinguishing Feature** – The bottom floor (basement or underground garage) is below ground level (grade) on all sides.\*



**DIAGRAM 5**

All buildings elevated on piers, posts, piles, columns, or parallel shear walls. No obstructions below the elevated floor.

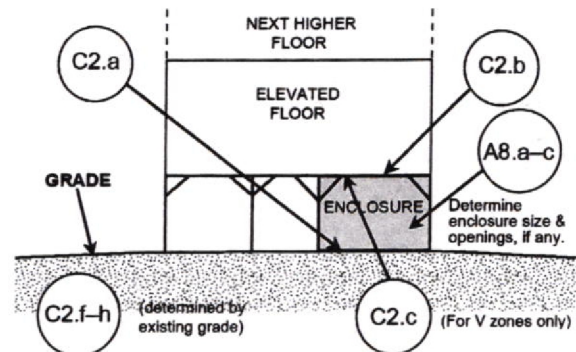
**Distinguishing Feature** – For all zones, the area below the elevated floor is open, with no obstruction to flow of floodwaters (open lattice work and/or insect screening is permissible).



**DIAGRAM 6**

All buildings elevated on piers, posts, piles, columns, or parallel shear walls with full or partial enclosure below the elevated floor.

**Distinguishing Feature** – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings\*\* present in the walls of the enclosure. Indicate information about enclosure size and openings in Section A – Property Information.



\* A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.

\*\* An "opening" is a permanent opening that allows for the free passage of water automatically in both directions without human intervention. Under the NFIP, a minimum of 2 openings is required for enclosures or crawlspaces. The openings shall provide a total net area of not less than 1 square inch for every square foot of area enclosed, excluding any bars, louvers, or other covers of the opening. Alternatively, an Individual Engineered Flood Openings Certification or an Evaluation Report issued by the International Code Council Evaluation Service (ICC ES) must be submitted to document that the design of the openings will allow for the automatic equalization of hydrostatic flood forces on exterior walls. A window, a door, or a garage door is not considered an opening; openings may be installed in doors. Openings shall be on at least 2 sides of the enclosed area. If a building has more than 1 enclosed area, each area must have openings to allow floodwater to directly enter. The bottom of the openings must be no higher than 1.0 foot above the higher of the exterior or interior grade or floor immediately below the opening. For more guidance on openings, see NFIP Technical Bulletin 1.