U.S. DEPARTMENT OF HOMELAND SECURITY Federal Emergency Management Agency

ELEVATION CERTIFICATE

OMB No. 1660-0008 Expires March 31, 2012

National Flood Insurance Program Important: Read the instructions on pages 1-9.

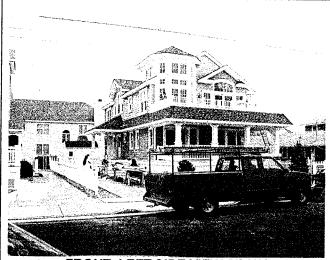
			SEC.	TION A DOC	PERTY INFORM	ATION	For Insurance Company Use:	
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AI. Dulk	iding Owner's Name	e SLASKI, STE	VEN C & STACEY N	V 305 #100				
A2. Buil 168 84 TH	Iding Street Address	s (including Apt.,	Unit, Suite, and/or	Bldg. No.) or P.	O. Route and Box No).	Company NAIC Number	
City	STONE HARBOR	R State NJ	ZIP Code 08247					
	perty Description (L 3.02, 64.02, 65.02,		mbers, Tax Parcel I K: 83.02	Number, Legal (Description, etc.)			
A5. Latin A6. Atta A7. Build A8. For a) S	A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL A5. Latitude/Longitude: Lat. 39°3'38.9" Long74°45'4.2" 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 8 A8. For a building with a crawfspace or enclosure(s): a) Square footage of crawfspace or enclosure(s) b) No. of permanent flood openings in the crawfspace or enclosure(s) within 1.0 foot above adjacent grade c) Total net area of flood openings in A8.b A8. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL Horizontal Datum: NAD 1927 NAD 1983 A9. For a building with an attached garage: a) Square footage of attached garage N/A sq ft b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade c) Total net area of flood openings in A9.b NA sq in							
d) 1	Engineered flood o		⊠ Yes □ No			pineered flood ope		
		SEC [*]	TION B - FLOOD	INSURANCE	RATE MAP (FIRM	I) INFORMATIO	N	
	Community Name GH OF STONE HA		lumber	B2. County Na CAPE MAY	me		B3. State NEW JERSEY	
	p/Panel Number 15323-0001	B5. Suffix C	B6. FIRM Index Date 7/15/92	1	FIRM Panel ve/Revised Date 7/15/92	B8. Flood Zone(s) A7	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 10'	
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)? Yes No Designation Date OPA								
		SECTIO	N C - BUILDING		NFORMATION (S	URVEY REQUIF	RED)	
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Building Street Address (including Apt., Unit, Suite, and/or Bidg. No.) or P.O. Route and Box No. 1868 M* STREET City STONE HARBORState NJ ZIP Code 08247 SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT GERTIFICATION (CONTINUED) Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner. Comments BUILDING HARS SMART VENTS, MODEL #1540-820 COVERING 200 SQUARE PEET EACH. C-2-E IS EXTERIOR HVAC. Signature Date 5/28/10 Section E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE) For Zones AO and A (without BFE), complete literas E1-E5. If the Certificate is intended to support a LOMA or LOME Frequest, 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 (LAG), a) Top of bottom floor (felloding basement, crawispace, or enclosure) is feet	IMPORTANT: In these spaces, copy the corresponding	ng information from Section A.	For Insurance Company Use:
SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED) Copy both sides of the Elevation Cedificate for (1) community official, (2) Insurance agend/company, and (3) bailding owner. Comments BUILDING HAS? SMART VENTS, MODEL #1540-520 COVERING 200 SQUARE FEET EACH, C-2-E IS EXTERIOR HVAC. Signature Date 5/28/10 Control of the Control of the County of the Count	Building Street Address (including Apt., Unit, Suite, and/or Bldg.		
Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner. Comments BUILDING HAS7 SMART VENTS, MODEL #1540-520 COVERING 200 SQUARE FEET EACH. C-2-E IS EXTERIOR HVAC. Signature Date 5/26/10	City STONE HARBORState NJ ZIP Code 08247	Company NAIC Number	
Copy both sides of this Elevation Certificate for (1) community official. (2) incurance agent/corrigany, and (3) building owner. Comments BUILDING HAST SMART VENTS, MODEL #1640-520 COVERING 200 SOUARE FEET EACH. C-2-E IS EXTERIOR HVAC. Signature Date 5/26/10 Date 5/26/10 Date 5/26/10 Date 5/26/10 Date SOUARE FEET EACH. C-2-E IS EXTERIOR HVAC. SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE) FOR ZONE AO AND A (without BFE), complete leven E1-E5. If the Certificate is intended to support a LONA or LONE A (WITHOUT BFE) FOR ZONE AO AND A (without BFE), complete leven E1-E5. If the Certificate is intended to support a LONA or LONE A (WITHOUT BFE) FOR ZONE AO AND A (without BFE), complete leven E1-E5. If the Certificate is intended to support a LONA or LONE A (WITHOUT BFE) FOR ZONE AO AND A (without BFE), complete leven E1-E5. If the Certificate is intended to support a LONA or LONE A (WITHOUT BFE) FOR ZONE AND AND A (without BFE), complete leven E1-E5. If the Certificate is intended to support a LONA or LONE A (WITHOUT BFE) FOR ZONE AND AND A (without BFE), complete leven E1-E5. If the Certificate is intended to support a LONA or LONE A (WITHOUT BFE) The Certificate is a long and the Lone A (WITHOUT BFE) FOR ZONE AND AND A (WITHOUT BFE) The Certificate is a long and the Lone A (WITHOUT BFE) The Certificate is a lone of the Lone A (WITHOUT BFE) The Certificate is a lone of the Lone A (WITHOUT BFE) The Certificate is a lone of the Lone A (WITHOUT BFE) The Certificate is a lone of the Lone A (WITHOUT BFE) The Certificate is a lone of the Lone A (WITHOUT BFE) The Certificate Comments and the Lone A (WITHOUT BFE) The property covene or owner's authorized representative who completes Sections A, B, and E for Zone A (Without A FEMA-Issued or community's Boddlein management corriginate or Coven A (WITHOUT BEE) The Information is location A (WITHOUT BEE) The Information is location A (WITHOUT BEE) SECTION G - COMMUNITY INFORMATION (OPTIONAL) The	SECTION D - SURVEYOR, ENG	INEER, OR ARCHITECT CERTIFICATION	ON (CONTINUED)
Signature			
Signature	Comments BUILDING HAS7 SMART VENTS, MODEL #1540-5	520 COVERING 200 SQUARE FEET EACH. C	C-2-E IS EXTERIOR HVAC.
SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE) For Zones AO and A (without BFE), complete liteme 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 develon information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAC), and the lowest adjacent grade, provided pr			
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 Puerds Roo 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 (LAG); a) Top of bottom floor (including bassment, crawispace, or enclosure) is	Thurson (C) Punch		
and C. For Items 51-54, use natural grade, if available. Check the measurement used. In Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest 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 plagnames 6 with permanent flood openings provided in Section A Items 8 and/or (see pages 8-0 of instructions), the next higher floor (elevation C2.b in the diagrams) of the building 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? _vise _nb _ulknown. The local difficult 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 are corract to the bast of my knowledge. Property Owner's or Owner's Authorized Representative Name Address City State ZIP Code Signature Date Telephone Comments Telephone Check here if attachments in Sections A, B, and E are corract to the bast of my knowledge. Property Owner's or Owner's 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. If he 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	SECTION E - BUILDING ELEVATION INFORMATIO	N (SURVEY NOT REQUIRED) FOR ZOI	NE AO AND ZONE A (WITHOUT BFE)
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 statectments	and C. For Items E1-E4, use natural grade, if available. Check E1. Provide elevation information for the following and check the grade (HAG) and the lowest adjacent grade (LAG). a) Top of bottom floor (including basement, crawlspace, or b) Top of bottom floor (including basement, crawlspace, or E2. For Building Diagrams 6-9 with permanent flood openings (elevation C2,b in the diagrams) of the building is E3. Attached garage (top of slab) is feet E4. Top of platform of machinery and/or equipment servicing the garage (top of slab).	the measurement used. In Puerto Rico only, the appropriate boxes to show whether the elevation of the distribution of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show whether the elevation of the appropriate boxes to show a provided in Section A Items 8 and/or 9 (see particular for the appropriate boxes to show a provided in Section A Items 8 and/or 9 (see particular for the appropriate boxes to show a provided in Section A Items 8 and/or 9 (see particular for the appropriate boxes to show a provided in Section A Items 8 and/or 9 (see particular for the appropriate boxes to show a provided in Section A Items 8 and/or 9 (see particular for the appropriate boxes to show a provided in Section A Items 8 and/or 9 (see particular for the appropriate boxes to show a provided in Section A Items 8 and/or 9 (see particular for the appropriate boxes to show a provided in Section A Items 8 and/or 9 (see particular for the appropriate boxes to show a provided in Section A Items 8 and/or 9 (see particular for the appropriate boxes to show a provided in Section A Items 8 and/or 9 (see particular for the appropriate boxes for the appr	vation is above or below the highest adjacent leters above or below the HAG. leters above or below the LAG. leters series of instructions), the next higher floor below the HAG.
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			CERTIFICATION
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	The property owner or owner's authorized representative who co	ompletes Sections A, B, and E for Zone A (with	
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Signature Date Telephone Comments Check here if attachments	Property Owner's or Owner's Authorized Representative's Name	المراكب المتعارض والمتعارض	
Check here if attachments Check here if attachments	Address	City	State ZIP Code
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. 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.) A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO. 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 G7. This permit has been issued for: G8. Elevation of as-built lowest floor (including basement) of the building: G7. This permit has been issued for: G8. Elevation of as-built lowest floor (including basement) of the building: G7. This permit has been issued for flooding at the building site: G8. Elevation of as-built lowest floor (including basement) of the building: G7. This permit has been issued for: G8. Elevation of as-built lowest floor (including basement) of the building: G8. Elevation of as-built lowest floor (including basement) of the building: G8. Elevation of as-built lowest floor (including basement) of the building: G8. Elevation of as-built lowest floor (including basement) of the building: G8. Elevation of as-built lowest floor (including basement) of the building: G8. Elevation of as-built lowest floor (including basement) of the building: G9. EFE meters (PR) Datum NGVP 24 24 25 25 25 25 25 25	Signature	Date	Telephone
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Community Name STONE HARBOR Telephone 609. 368. 6814 Signature Date 6/16/10	Elevation of as-built lowest floor (including basement) of the BFE or (in Zone AO) depth of flooding at the building site:	building: 11 9 A feet meters (F	PR) Datum NEVP 29
Signature Date 6 16 10	MICHAELKOOCHEN		DISTRUCTION OFFICIAL
Signature Date 6/16/10	Community Name STONE HARBOR	Telephone 699.	368.6814
	Signature	Date	
	Comments	- tolto	

Building Photographs See Instructions for Item A6.

	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Policy Number
168 84TH STREET	
City STONE HARBOR State NJ ZIP Code 08247	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.



FRONT, LEFT SIDE VIEW 5/24/10



REAR VIEW 5/24/10



ICC-ES Evaluation Report

ESR-2074

Reissued February 1, 2009

This report is subject to re-examination in two years.

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

A Subsidiary of the International Code Council®

DIVISION: 10—SPECIALTIES Section: 10230—Vents

REPORT HOLDER:

SMART VENT®, INC.
450 ANDBRO DRIVE, SUITE 2B
PITMAN, NEW JERSEY 08071
(856) 307-1468
www.smartvent.com
eval@smartvent.com

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: FLOODVENT™ MODEL #1540-520; FLOODVENT™ STACKING MODEL #1540-621; SMARTVENT™ MODEL #1540-610; SMARTVENT™ STACKING MODEL #1540-611; WOOD WALL FLOOD MODEL #1540-670; WOOD WALL FLOOD OVERHEAD DOOR MODEL #1540-624; SMARTVENT™ OVERHEAD DOOR MODEL #1540-614

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2006 International Building Code® (IBC)
- 2006 International Residential Code® (IRC)

Properties evaluated:

- Physical operation
- Water flow

2.0 USES

The Smart Vent[®] units are automatic foundation flood vents (AFFVs) employed to equalize hydrostatic pressure on nonfire-resistance-rated foundation walls, rolling-type overhead doors and building walls subject to rising or falling flood waters. Certain models also allow natural ventilation in accordance with Section 1203 of the IBC or Section 408.1 of the IRC.

3.0 DESCRIPTION

3.1 General:

When subjected to pressure from rising water, the Smart Vent® AFFVs disengage, then pivot open to allow flow in either direction to equalize water level and hydrostatic pressure from one side of the foundation to the other. The AFFV pivoting door is normally held in the closed position by a buoyant release device. When subjected to rising water, the buoyant release device causes the unit to

unlatch, allowing the plate to rotate out of the way and allow flow. The water level stabilizes, equalizing the lateral forces. Each unit is fatricated from stainless steel, and each opening provides 76 square inches (49 032 mm²) of net free area for flood mitigation in the open position. The SmartVENT™ Stacking Model #1540-511 and FloodVENT™ Stacking Model #1540-521 units each contain two vertically arranged openings per unit, providing 152 square inches (98 064 mm²) of net free area for flood mitigation in the open position.

3.2 Engineered Opening:

The AFFVs comply with the design principle noted in Section 2.6.2.2 of ASCE/SEI 24 for a maximum rate of rise and fall of 5.0 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24, Smart Vent AFFVs must be installed in accordance with Section 4.0.

3.3 Model Sizes:

The FloodVENT™ Model #1540-520, SmartVENT™ Model #1540-510, FloodVENT™ Overhead Door Model #1540-524, and SmartVENT™ Overhead Door Model #1540-514 units measure 15³/₄ inches wide by 7³/₄ inches high (400 by 196.9 mm). The Wood Wall Flood Model #1540-570 and Wood Wall Flood Overhead Door Model #1540-574 units measure 14 inches wide by 8³/₄ inches high (355.6 by 222.25 mm). The SmartVENT™ Stacking Model #1540-521 units measure 16 inches wide by 16 inches high (406.4 by 406.4 mm)

3.4 Ventilation:

The SmartVENT[®] Model #1540-510 and SmartVENT[®] Overhead Door Model #1540-514 both have screen covers with ¹/₄-inch-by-¹/₄-inch (6.35 by 6.35 mm) openings, yielding 51 square inches (32 903 mm²) of net free area to supply natural ventilation. The SmartVENT™ Stacking Model #1540-511 consists of two Model #1540-510 units in one assembly, and provides 102 square inches (65 806 mm²) of net free area to supply natural ventilation. Other AFFVs recognized in this report do not offer natural ventilation.

4.0 INSTALLATION

SmartVENT® and FloodVENT™ are designed to be installed into walls or overhead doors of existing or new construction from the exterior side. Installation of the vents must be in accordance with the manufacturer's instructions, the applicable code and this report. The mounting straps allow mounting in wood, masonry and concrete walls up to 12 inches (305 mm) thick. In order to

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 eaclosures below elevated buildings, attached and detached gauges, 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 yents, 2000 Sq.Ft / 200 = 10 Vents

Antonia material force interesses of the Control of	The state of the s
Signature Robert La	OF NEW YORK
Title Professional Engineer	
Type of License ProFessional Engineering	
License Number NJPE GE26637 J	e e e e e
*Project Name	The state of the s
*Project Address	DALL STREET
*Date Submitted	Thumsday.
* Required Fields*	Professional Seal

Installation Limitations and Instructions

- 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.
- 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.
- Each enclosed area shall have at least two flood openings, installed on different sides of the enclosed area.
 The bottom of the flood openings shall be no more than one foot above the adjacent finished ground level.
- 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)

Form: SMRT100 Rev.A July 2002

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