DEPARTMENT OF HOMELAND SECURITY



Federal Emergency Management Agency ELEVATION CERTIFICATE

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance SECTION A - PROPERTY INFORMATION								ce agent/company, and (3) b FORM INSURANCE COM					
A.1 Building Owner's I		A - PROPERTY INFO	RMA	TION			FORM INSUR	ANG	: CON	/IPAN	YUSE		
A1. Building Owner's N Daniel Heyman	varie						Policy Numbe	r:	1				
A2. Building Street Add Box No. 3005 Longport Drive	dress (includi	ing Apt., Unit, Suite, and	d/or B	ldg. No.) or P.C	. Route a	nd	Company NAI Number:	С		a.	JUN	-	2
City BOROUGH OF LO	NCDORT				Cara N			17:		- 00			
	THE RESERVE TO SERVER TO S	lock Numbers, Tax Par	cel Ni	imber Legal D	State N			ZI	Coa	e 084 BOI			
Block 64 lot 2	on (Lot and D	iock ivallibers, rax r al	CELIVE		sscription	eic.)				CO	NSTH		
4. Building Use (e.g.,	Residential,	Non-Residential, Additi	on, Ad	cessory, etc.) I	RESIDEN	TIAL							
5. Latitude/Longitude	: Lat. N 39.3	169 Long. W	074.5	234 Horizon	tal Datum	. (NAD 1927	(i)	IAD 1	983			
6. Attach at least 2 ph	otographs of	f the building if the Certi	ficate	is being used to	o obtain fl		M						
7. Building Diagram N	lumber-7												
8. For a building with		or enclosure(s):		A9	. For a b	uildin	g with an attach	ned ga	rage:				
a) Square footage of	of crawlspace	or enclosure(s)881* so	ı. ft.	sq ft a)	Square fo	ootaa	e of attached g	arage	N/A				00 ff
b) Number of perma	2	` '				15.	manent flood o			<u> </u>		-	sq ft
crawlspace or en above adjacent g	closure(s) wi			-/		chec	garage within						
c) Total net area of	flood opening	gs in A8.b 1000*		sq in c)	Total net	area	of flood opening	gs in /	\9.b \	I/A			sq ir
d) Engineered flood	openings?						ood openings?	_	- Yes	OI	No		3 4 II
		ECTION B - FLOOD IN	SURA		med Asserta			Vii.		_/·			
1. NFIP Community N	ame & Comr	nunity Number		B2. County N	ame					В3.	. State	NJ	
OROUGH OF LONGP	·	345302 T	1	ATLANTIC CO									
4. Map/Panel Number 45302 / 0001				FIRM Panel El Revised Date	vised Date		Flood Zone(s)	B9. Base Flood Elevat (Zone AO, use bas					
		No Index Printed	08/1	E/4092		48**		d	epth				
			100/	5/1983				10**					
0. Indicate the source	of the Base	 Flood Elevation (BFE) o			oth entere	d in I	tem B9:	10**					
		 Flood Elevation (BFE) c nmunity Determined (lata o	r base flood de	oth entere	d in I	tem B9:	10**					
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ELEVATION CERTIFICATE

OMB Control Number: 1660-0008 Expiration: 11/30/2018

3005 Longport Drive

BOROUGH OF LONGPORT

NJ

08403

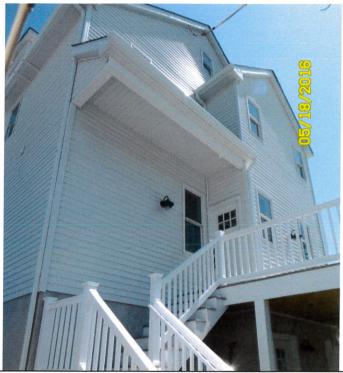
SECTION D -	SURVEYOR, ENGINE	ER, OR	RCHITECT CER	RTIFICATION
This certification is to be signed and sealed by a	land surveyor, engine	er, or arc	hitect authorized	by law to certify elevation information. I certify
that the information on this Certificate represent				
punishable by fine or imprisonment under 18 U.	S. Code, Section 1001.			
	Were latitude and lor	gitude in	Section A	
Check here if attachments.	provided by a license	d land su	rveyor?	
Certifier's Name	Lic	ense Nun	nber	
Paul M. Koelling, PLS, CFM	NJ:	24GS 043	28800	-
Title	Company Name			PLACE
Licensed Land Surveyor	Paul Koelling&Assoct	LC-COA	24GA28256300	SEAL
Address	City	Ctata	Zin Codo	HERE
2161 Shore Road	City Linwood	State	Zip Code 08221	
Signature	Date	Teleph	one	
for her	5/19/2016	+1 (6	09) 927-0279	
Copy both sides of this Elevation Certificate for (1) community official, (2) insura	nce agent/compa	ny, and (3) building owner.
Comments (including type of equipment and loc				
*A8b.) 881 sf enclosure is vented on 2 exterior				
(see attached)881 sf enclosure separated by				
dividing wall vented with 36 inch wide x 87 inch **B8 & B9.) FEMA Pre-FIRM Zone "AE"Bas				
***C2a.) enclosure	e i lood Elevation 9 it.	,IVA V DOO	converted – 10	7.5 IL (NGVD28)
****C2e.) Ductwork (elev 13.5)interior electr	ical outlets (elev 12.0).	exterio	r electrical outlets	s (elev 10.1)
	20 room to mission of the control o			to Wilderstein dentations.
	フ			
		6_		
		-		
Signature	cel 2			Date 5/19/2016
	DEMATION (SUBVEY	NOT DE	NUIDED) FOR 7	
SECTION E - BUILDING ELEVATION INFO For Zones AO and A (without BFE), complete Ite				
Sections A, B,and C. For Items E1 -E4, use natu				
	an grand, in arrainables			South the state of
E1. Provide elevation information for the following	g and check the approp	riate box	es to show whet	her the elevation is above or below the
highest adjacent grade (HAG) and the lowest	adjacent grade (LAG)			
-) T (
a) Top of bottom floor (including basement, or analysis) is	rawispace,	-	Cfeet Cm	neters above or below the HAG.
or enclosure) is				1
b) Top of bottom floor (including basement, of	rawlspace,	_	C () C	eters
or enclosure) is			Cfeet Cme	eters above or below the LAG.
E2. For Building Diagrams 6 -9 with permanent fl	and anenings provided	in Section	n A Itame 9 and/	or 0 (see pages 8 0 of Instructions) the payt
higher floor (elevation C2.b in the diagrams) of the		-	Gfeet C	
riigher noor (elevation 62,5 in the diagrams) or th	e building is		(meters above or below the HAG.
E3. Attached garage (top of slab) is		-	Cfeet Cme	eters above or below the HAG.
54 T4-1-164			(,,,,-e, (_j),,,,	above of below the find.
E4. Top of platform of machinery and /or equipme	ent	-	Cfeet Cme	eters above or below the HAG.
servicing the building is		****	()1001 ()1111	above of below the HAG.
E5. Zone AO only: If no flood depth number is av	ailable, is the top of the	bottom f	loor elevated in a	accordance with the community's floodplain
management ordinance? OYes ONo O	Unknown. The local of	ficial mus	t certify this infor	mation in Section G.
OFOTION F. BRODE	TV 014/1/ED (0D 014/	IEDIO DI	DDFOFAITATI	EL GERTIFICATION
SECTION F - PROPER				
The property owner or owner's authorized repres	(2)		53 2352	A317
community-issued BFE) or Zone AO must sign he		sections	A, B, and E are o	correct to the best of my knowledge.
Property Owner or Owner's Authorized Represer	itative's Name:			
Address	City		State	ZIP Code
Signature	Date		Telephone	
P 900 PP AND CAR GOP (2.00)			V. 200.00.00.00.000.000000.000000.	
Comments			***************************************	
				ĺ
				Check here if attachments.

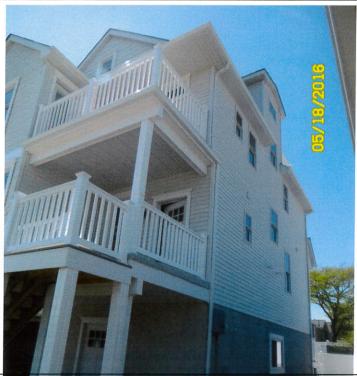
Building Photographs

P .	See Instructions fo	r Item A6.	For Insurance Company Use:
Building Street Address (include 3005 Longport Drive	ding Apt., Unit, Suite, and/or Bldg.) No. c	or P.O. Route and Box No.	Policy Number
City	State	ZIP Code	Company NAIC Number
Longport	NJ	08403	

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.









Vent View – Date of Photograph: (See Photo Stamp)



ICC-ES Evaluation Report

ESR-2074

Reissued February 1, 2009

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

www.lcc-eg.org | (800) 423-6587 | (562) 699-0543

A Subsidiery of the International Code Council®

DIVISION: 10—SPECIALTIES Section: 10230—Vents

REPORT HOLDER:

SMART VENT[®], INC.
460 ANDBRO DRIVE, SUITE 2B
PITMAN, NEW JERSEY 08071
(866) 307-1468
www.smartvent.com
eval@smartvent.com

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS:
FLOODVENT™ MODEL #1640-620; FLOODVENT™
STACKING MODEL #1640-621; SMARTVENT™ MODEL
#1640-610; SMARTVENT™ STACKING MODEL #1640-611;
WOOD WALL FLOOD MODEL #1640-670; WOOD WALL
FLOOD OVERHEAD DOOR MODEL #1640-674;
FLOODVENT™ OVERHEAD DOOR MODEL #1640-624;
SMARTVENT™ OVERHEAD DOOR MODEL #1640-614

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 preseure 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 fabricated 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 (96 064 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 #1540-570 units measure 14 inches wide by 5³/₄ inches high (355.6 by 222.25 mm). The SmartVENT™ Stacking Model #1540-511 and FloodVENT™ 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

Smart/ENT[®] and Flood/ENT[™] 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 concrets walls up to 12 inches (305 mm) thick. In order to