OK ELK 620-14

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

# **ELEVATION CERTIFICATE**

IMPORTANT: Follow the instructions on pages 1-9.

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

A3. Building Namer's Namer Mark and Linda Bateman  24. Building Steps Address (1997) and 15 a	SECTION A – PROPERTY INFORMATION					F	FOR INSURANCE COMPANY USE				
A2. Bullong Steret Address (reducing Apt. Lin. Suite, and/or Bulg. No.) or PO. Route and Box No.  Or Strathmere  Or Strathmere  A3. Property becaption fluct and Block Numbers. Tax Faced Number: Legal Description, etc.)  Block: 935 Lot. 6  Block: 935 Lot. 6  Block: 935 Lot. 6  Block: 935 Lot. 6  Block: 936 Lot. 936 Lot. 6  Block: 936 Lot. 936 Lot. 9  Block: 936 Lot. 936 Lot. 9  Block: 936 Lot. 936 Lot. 9  Block: 936 Lot. 936 Lot. 936 Lot. 9  Block: 936 Lot. 93					Р						
A9. Property beachtors into and Block Numbers, tax Parcel Rumbors Legal Description, etc.)  Block: 395 Lot. 14. and Block Station into and Block Numbers, tax Parcel Rumbors Legal Description, etc.)  Block: 395 Lot. 14. and Block Station in the second station of the Station in Legal Description, etc.)  Block: 395 Lot. 14. and Station in Legal Description, etc.)  Block: 395 Lot. 14. and Station in Legal Description, etc.)  Block: 395 Lot. 14. and Station in Legal Description, etc.)  Block: 395 Lot. 14. and Station in Legal Description in Legal Descrip	14 East Tecumseh Avenue					ompany NAIC					
A.9. Hoperty beschieforn (tot end Block Numbers, Iza Pacco Numbers, Legal Description, etc.)  Block: 351 Lot: 6  Al. Butting Use (a.) Residential. Non-fleesdential. Addition. Accessory, etc.) Blockidential.  Additional Configuration (1.1) Additiona		Stratifficie		St	<sup>ate</sup> NJ		ZII	Code 082	248	· · · · · · · · · · · · · · · · · · ·	
A5. Lattitude/Longitude: Lat. 39:11-147. Long. 74:138.23*	A3.	A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)									
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.  A8. For a building with a crawispace or enclosure(s):  A9. So for a building with a crawispace or enclosure(s):  A9. So for a building with a crawispace or enclosure(s):  A9. So for a building with a crawispace or enclosure(s):  A9. So for a building with a crawispace or enclosure(s):  A9. So for a building with a crawispace or enclosure(s):  A9. So for a building with a crawispace or enclosure(s):  A9. So for a building with a crawispace or enclosure(s):  A9. So for a building with a crawispace or enclosure(s):  A9. So for a building with an attached garage:  b) Number of permanent flood openings in the crawispace or or of permanent flood openings in the attached garage within LD foot obove adjocent gade.  C9. Carryls Name:  SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION  SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION  SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION  SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION  SECTION B - FRIM flood for the second of the source of the Base Flood Elevation (FIF) data or base flood depth entered in Item B9:  B10. Indicate the source of the Base Flood Elevation (FIF) data or base flood depth entered in Item B9:  B11. Indicate elevation datum used for BFE in Item B9:  SECTION C - Building Elevation No. SURVEY REQUIRED  SECTION C - Building Elevation No. SURVEY REQUIRED  SECTION C - Building Elevation No. Survey Repulsed Construction  An enex Elevation Section of the Construction of the building is complete.  C1. Building elevations are based on the building disagem specified in ten A1. In Patera Rico only, enter meters.  EC2.3-ib below according to the building disagem specified in ten A1. In Patera Rico only, enter meters.  EC2.3-ib below according to the building disagem specified in ten A1. In Patera Rico only, enter meters.  EC2.3-ib below according to the building disagem specified in ten A1. In Patera Rico only, enter meters.	A5.	Latitude/Longitude: Lat. 39° 11' 47"	Long.	. 74° 39′ 23″		Horizo	ntal Da	itum: 🗷 NA	D 1927	7 🗌 NAD	 ) 1983
A5. For a building with an activate grange:  a) Square footage of crawboace or enclosure(s):  a) Square footage of crawboace or enclosure(s):  b) No. of permanent flood openings in the crawboace or enclosure(s) with 1.0 foot above updated grade (so the property) with 1.0 foot above updated grade (so the property) with 1.0 foot above updated grade (so the property) with 1.0 foot above updated grade (so the property) with 1.0 foot above updated grade (so the property) with 1.0 foot above updated grade (so the property) with 1.0 foot above updated grade (so the property) with 1.0 foot above updated grade (so the property) with 1.0 foot above updated (so the property) with 1.0 foot above		Attach at least 2 photographs of the building If the Cer Rullding Diagram Number 8	tificate Is	being used to o	btain flood	insurance.		-			
a) Square floatage of craw/space or enclosure(s)  No. Of permanent flood openings in the craw/space or enclosure(s) within 1.0 floot above adjacent grade 2. Total net area of flood openings in Asb.  See Dack. sq in  EVENTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION  SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION  B1. NSP Community Name & Community Number  SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION  B2. County Name  B3. State  R03					A9. For	a building with a	n attac	hed garage:			
enclosure(s) within 1.0 foot above adjacent grade  2 Total net area of flood openings?   See back   sq in   c) Total net area of flood openings?   See back   sq in   c) Total net area of flood openings?   See back   sq in   c) Total net area of flood openings?   See back   sq in   c) Total net area of flood openings?   See back   sq in   c) Total net area of flood openings?   See back   sq in   c) Total net area of flood openings?   See   s				sq ft	a)	Square footage (	of attac	ched garage			
c) Total net area of flood openings in A8.b of Egineered flood openings in A8.b of Egineered flood openings in A8.b of Egineered flood openings?		on No. of permanent flood openings in the crawlspace enclosure(s) within 1.0 foot above adjacent grade	Ö	·	b)	Number of permo within 1.0 foot a	anent i bove a	flood opening diacent grad			garage
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION			See	back sq in							_ sq in
B1. NPP Community Name & Community Number Township of Ulocal 30d 1599*  B4. May/Panel Number   B5. Suffix   B6. FIRM Index Date   B7. FIRM Panel Effective   B8. Flood Zone(s)   B9. Base Flood Elevation(s) (Zone Ravisco 10 to 10		d) Engineered flood openings? 🛛 Yes 🗌 No			d)	Engineered flood	d open	ings? 🔯	Yes	□No	
Cape May   B4. May/Panel Number   S. Suffix   B6. FIRM Index Date   B7. FIRM Panel Effective/ Revised Date   B9. Base Flood Elevation(s) (Zone A0, use base flood depth)		SECTION B – FLOO	D INSUF	RANCE RATE	MAP (FII	RM) INFORM	ATION				
B4. May/Panel Number   B5. Suffix   B6. PIRMI Index Date   Revisiac Date   R7. FIRM Panel Effective/   B3. Flood Zone(s)   B9. Base Flood Education(s) (Zone   A0, use base flood depth)    B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9:   Floor Profile   M7. FIRM   Community Determined   Other/Source:   B11. Indicate deveation datum used for BFE in Item B9:   MNVD 1929   NNVD 1988   Other/Source:   B11. Indicate deveation datum used for BFE in Item B9:   MNVD 1929   NNVD 1988   Other/Source:   B11. Indicate deveation datum used for BFE in Item B9:   MNVD 1929   NNVD 1989   Other/Source:   B12. is the building located in A coesate Barrier Resources System (CBR9) area or Otherwise Protected Area (OPA)?   Ves   No      SECTION C = BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)      SECTION C = BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)      Security   Construction Drawings*   Building Under Construction*   Finished Construction * A new Elevation Ser based on:   Construction Drawings*   Building Under Construction*   Finished Construction * A new Elevation Certificate will be required when construction of the building is complete.      Security   Construction Drawings*   Building Under Construction*   Finished Constr	B1.	NFIP Community Name & Community Number Township of Upper 340159			me						
3.0159 0014	64.		Date	B7. FIRM Pane		B8. Flood Zo	ne(s)	B9. Base I			(Zone
B10. Indicate the source of the Base Rood Elevation (BFE) data or base flood depth entered in Item B9:   FIS Profile   FIRM   Community Determined   Orber/Source:   B11. Indicate elevation datum used for BFE in Item B9:   MNVD 1999   NAVD 1988   Other/Source:   B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?   Yes   No   Designation Date:   /		340159 0014 C 07/15/199	92			A10		AO, us			1)
B11. Indicate elevation datum used for BFE in Item B9:    NGVD 1929	B10	Indicate the source of the Base Flood Elevation (BFE) d	ata or bas	e flood depth e	ntered in It	3	·····	<u>L</u>			
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?	504.4										
Designation Date:/						•		7 Van 1521	* I -		
SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)  C1. Building elevations are based on:					erwise Fio	tected Area (OPF	₹)? <u>[</u>	res	NO		
C1. Suilding elevations are based on:   Construction Drawings*   Building Under Construction*   Sinished Construction *A new Elevation Certificate will be required when construction of the building is complete.  C2. Elevations – Zones Al.—A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/AI.—A30, AR/AH, AR/AO. Complete Items C2.a.—h below according to the building diagram specified in Item A7. In Puerro Rico only, enter meters.  Benchmark Utilized:   L0-CA1					MATION	SUDVEY DEO	UIDE	n)			
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/A0. Complete Items  C2.a—h below according to the building diagram specified in Item A7. In Puerto Ricco only, enter meters.  Benchmark Ublized: Loca Vertical Datum: 1988   Vertical Datum: 1988   Vertical Datum: 1988   Indicate elevation datum used for the elevations in items a) through h) below. In 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)	C1.	Building elevations are based on: Construction	Drawings	* ☐ Build	ling Under				nstruct	ion	
Benchmark Utilized: Loca   Vertical Datum: 1988	C2.	2. 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									
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)  b) Top of the next higher floor  c) Bottom of the lowest horizontal structural member (V Zones only)  Attached garage (top of slab)  d) Attached garage (top of slab)  e) Lowest elevation of machinery or equipment servicing the building  (Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG)  f) Lowest adjacent (finished) grade next to building (HAG)  f) Lowest adjacent grade at lowest elevation of deck or stairs, including  f) Lowest adjacent grade at lowest elevation of deck or stairs, including  f) Lowest adjacent grade and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation formation. I certify that the information on this Certificate represents my best efforts to interpret the data available.  Information. I certify that the information on this Certificate represents my best efforts to interpret the data available.  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  Certifier's Name  any Lee Thomas  Company Name Thomas 'Amey' Shaw, Inc.  City   State   Zip Code   Cod		- Local									
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)  b) Top of the next higher floor  c) Bottom of the lowest horizontal structural member (V Zones only)  Attached garage (top of slab)  c) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG)  f) Lowest adjacent (finished) grade next to building (HAG)  f) Lowest adjacent (finished) grade next to building (HAG)  f) Lowest adjacent grade at lowest elevation of deck or stairs, including for the current support  SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION  formation. I certify that the information on this Certificate represents my best efforts to interpret the data available.  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  Certifier's Name Carry Lee Thomas  fitte  Company Name Thomas'Amey'Shaw, Inc.  City  Avalon  NJ 08202  Check the measurement useder is feet   meters    Meters   meters   Meters   meters    Meters   meters   meters    Meters   meter		Indicate elevation datum used for the elevations in item Datum used for building elevations must be the same a	s a) throu s that use	gh h) below. [ ed for the BFE.	] NGVD 19:						·
b) Top of the next higher floor  c) Bottom of the lowest horizontal structural member (V Zones only)  d) Attached garage (top of slab)  e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG)  f) Highest adjacent (finished) grade next to building (HAG)  f) Lowest adjacent (finished) grade next to building (HAG)  f) Lowest adjacent grade at lowest elevation of deck or stairs, including for meters  f) Lowest adjacent grade at lowest elevation of deck or stairs, including for meters  f) Lowest adjacent grade at lowest elevation of deck or stairs, including for meters  SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION  his 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.  Understand that any false statement may be punishable by fine or imprisonment under It 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  Certifier's Name  Cary Lee Thomas  ittle  Company Name  Thomas Amey Shaw, Inc.  City  Avalon  NJ  State  ZIP Code  Avalon  NJ  Were ZIP Code  Avalon  NJ  OB 202					6 9				ed.		
c) Bottom of the lowest horizontal structural member (V Zones only)  Altached garage (top of slab)  6 9			or cricios	are 11001)				_			
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG) 6.8 feet meters  g) Highest adjacent (finished) grade next to building (HAG) 7.0 feet meters  h) Lowest adjacent grade at lowest elevation of deck or stairs, including 6.7 feet meters  b) Lowest adjacent grade at lowest elevation of deck or stairs, including 5.7 feet meters  SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION  his 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. 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  Certifier's Name  Gary Lee Thomas  Company Name Thomas Amey Shaw, Inc.  City State ZIP Code NJ O8202		c) Bottom of the lowest horizontal structural member (V	Zones or	nly)	<u>N/A</u>						
(Describe type of equipment and location in Comments)  f) Lowest adjacent (finished) grade next to building (LAG)  g) Highest adjacent (finished) grade next to building (HAG)  h) Lowest adjacent grade at lowest elevation of deck or stairs, including  SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION  his certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation formation. I certify that the information on this Certificate represents my best efforts to interpret the data available, 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.  Certifiers Name  Cary Lee Thomas  Company Name Thomas Amey Shaw, Inc.  Company Name Thomas Amey Shaw, Inc.  Coddress  City Avalon  NJ  Mere Lattuce and Code NJ  Code NJ  Cary Code NJ  NJ  NB  Cary Code NJ  NJ  NB  Cary Code NJ  NJ  NB  Cary Code NJ  Cary Code NJ  NB  Cary Code NJ  Car				-			feet	☐ meters			
f) Lowest adjacent (finished) grade next to building (LAG)  g) Highest adjacent (finished) grade next to building (HAG)  T. 0 Set meters  h) Lowest adjacent grade at lowest elevation of deck or stairs, including  SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION  his 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, 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  Certifier's Name  Gary Lee Thomas  Company Name  Thomas' Amey' Shaw, Inc.  City  Avalon  NJ 68202				ling	12 . 7	<u>×</u>	feet	meters			
h) Lowest adjacent grade at lowest elevation of deck or stairs, including 6.7   Geet   meters    SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION    his 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, 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  Certifier's Name   License Number   23921   SEAL Were Thomas   Company Name   Thomas 'Amey 'Shaw, Inc.  Address   City   State   ZIP Code   O8202   Avalon   NJ   08202   Address   O8202   Avalon   NJ   O8202   Address   O8202							eet	meters			
SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION  his 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.  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.  Certifier's Name  Gary Lee Thomas  Company Name  Professional Land Surveyor  Address 2900 Dune Drive, Ste. 8  SEAL  City  Avalon  NJ  ORACHITECT CERTIFICATION  ARCHITECT CERTIFICATION  Leventificate cartificate represents my best efforts to interpret the data available.  Understand that available.  U.S. Code, Section 1001.  Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No  Certifier's Name  23921  SEAL  Company Name  Thomas 'Amey 'Shaw, Inc.  Address 2900 Dune Drive, Ste. 8  Avalon  NJ  ORACE  CITY  Avalon  NJ  ORACE  CITY  Avalon  NJ  ORACE  CITY  ORACE  SEAL  Avalon  Avalon  NJ  ORACE  CITY  ORACE  SEAL  Avalon  Avalon  NJ  ORACE  COMPANY State  CITY Code  NJ  ORACE  COMPANY State  CITY  ORACE  SEAL  CITY  CODE  COMPANY State  CITY  ORACE  CITY  Avalon  NJ  ORACE  CITY  ORACE						<b>×</b>	eet	meters			
his certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation aformation. I certify that the information on this Certificate represents my best efforts to interpret the data available.  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  Certifier's Name  Gary Lee Thomas  Company Name  Professional Land Surveyor  Thomas Amey Shaw, Inc.  City  Avalon  City  Avalon  State  NJ  City Sta			stairs, ind	cluding	6.7	⊠ f	eet	meters			
his certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation aformation. I certify that the information on this Certificate represents my best efforts to interpret the data available.  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  Certifier's Name  Gary Lee Thomas  Company Name  Professional Land Surveyor  Thomas Amey Shaw, Inc.  City  Avalon  City  Avalon  State  NJ  City Sta		SECTION D - SURVE	YOR, EN	GINEER, OR	ARCHITE	CT CERTIFICA	ATION				
Check here if comments are provided on back of form.  Check here if attachments.  Controller's Name  Gary Lee Thomas  Company Name  Professional Land Surveyor  City  Address  2900 Dune Drive, Ste. 8  Were latitude and longitude in Section A provided by a licensed land surveyor?  License Number  23921  SEAL  Company Name  Thomas 'Amey 'Shaw, Inc.  City  Avalon  NJ  City  Avalon	norm	ertification is to be signed and sealed by a land surveyor ation. I certify that the information on this Certificate repr	, engineer, resents my	or architect au	thorized by	law to certify ele					
	] Che	ck here if comments are provided on back of form.	Were latit	tude and longitt	de <u>in</u> Secti	on A provided by	a		2 1	23921	
						lumber		756	O <sub>PL</sub>	ACE EAL ~ X	
		essional Land Surveyor	Company	Name *Amev*Shaw	Inc	THE PERSON AND ADDRESS OF THE PERSON OF THE	***************************************		احر	ERIC	
	Addre:	SS	City	onaw	State		<del>)</del>	11/1	MH		
	-			1 - 14	Telephone			- KPI	U		

ELEVATION CERT	IFICATE,	page :	2
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FEMA Form 086 0-33 (7/12)

	corresponding information from Section A	•	FOR INSURANCE COMPANY USE
14 East Tecumseh Avenue	nit, Suite, and/or Bldg. No.) or PO. Route a		Policy Number:
Strathmere	NJ 08	Code 3248	Company NAIC Number:
SECTION D	<ul> <li>SURVEYOR, ENGINEER, OR ARC</li> </ul>	HITECT CERTIFICATIO	N (CONTINUED)
Copy both sides of this Elevation Certifical	te for (1) community official, (2) insurance	agent/company, and (3) b	uilding owner.
A8.c. 6 Smartvents (Mode A9.c. 3 Smartvents (Mode C2.e. HVAC Platform	el #1540-510) were installed to cover il #1540-510) were installed to cover	200 square feet each. 200 square feet each.	See attached. See attached.
Ang for June	6-	<mark>/6 - / 4</mark>	
regnatur 0	D	ate	
SECTION E - BUILDING ELEVAT	ION INFORMATION (SURVEY NOT	REQUIRED) FOR ZONE	E AO AND ZONE A (WITHOUT BFE)
for Zones AO and A (without BFE), complete	e Items F1-F5. If the Certificate is intend	ad to aumant a LONG.	0.40
For Items E1–E4, use natural grade, If avail E1. Provide elevation information for the fol grade (HAG) and the lowest adjacent gr a) Top of bottom floor (including basem	flowing and check the appropriate boxes table (LAG).	o show whether the elevati	rs. on is above or below the highest adjacent
b) Top of bottom floor (including basem		_ · ☐ feet ☐ _ · ☐ feet ☐	
E2. For Building Diagrams 6–9 with perman	ent flood openings provided in Section 4.1	tems 8 and/or 9 (see page	meters above or below the LAG.
the next higher floor (elevation C2.b in t	the diagrams) of the building is	- · —	
E3. Attached garage (top of slab) is		feet	
E4. Top of platform of machinery and/or eq	uipment servicing the building is		meters Dahove or Dhalaw the HAC
E5. Zone AO only: If no flood depth number ordinance? ☐ Yes ☐ No ☐ Unkno	Is available, Is the top of the bottom floor own. The local official must certify this info	elevated in accordance with the state of the	th the community's floodplain management
SECTION F -	PROPERTY OWNER (OR OWNER'S	REPRESENTATIVE) C	FRIECATION
The property owner or owner's authorized re Zone AO must sign here. The statements in	presentative who completes Sections A, I Sections A, B, and E are correct to the be	and E for Zona A (with -	t a FEMA-issued or community-issued BFE) or
Property Owner or Owner's Authorized Repre	esentative's Name		
Address	Cit	/	State ZIP Code
Signature			_
	Da	Le	Telephone
Comments			
			☐ Check here if attachments.
	SECTION G – COMMUNITY INFO	RMATION (OPTIONAL)	☐ Check here if attachments.
	spended train(s) and sign below. Check (i)	odplain management ordina e measurement used in Iter	ince can complete Sections A, B, C (or E), and
31.  The information in Section C was to	ordinance to administer the community's flo applicable item(s) and sign below. Check th aken from other documentation that has elevation information. (Indicate the sourc tion E for a building located in Zone A (wit	odplain management ordina e measurement used in Iter been signed and sealed b e and date of the elevation hout a FFMA-issued or com-	ince can complete Sections A, B, C (or E), and ms G8–G10. In Puerto Rico only, enter meters. y a licensed surveyor, engineer, or architect in data in the Comments area below.)
<ul> <li>G1. ☐ The information in Section C was to who is authorized by law to certify a G2. ☐ A community official completed Sec G3. ☐ The following information (Items G4).</li> <li>G4. Permit Number</li> </ul>	ordinance to administer the community's flo applicable item(s) and sign below. Check th aken from other documentation that has elevation information. (Indicate the sourc tion E for a building located in Zone A (wit	odplain management ordina e measurement used in Iter been signed and sealed b e and date of the elevation hout a FEMA-issued or com in management purposes.	ince can complete Sections A, B, C (or E), and ms G8–G10. In Puerto Rico only, enter meters. y a licensed surveyor, engineer, or architect in data in the Comments area below.)
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 $\square$  Check here if attachments.

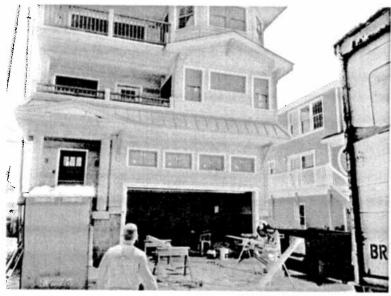
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# **Building Photographs**

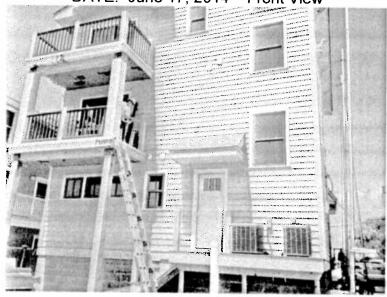
See Instructions for Item A6

			For Insurance Company Use:		
Building Street Address (inclu 14 East Tecumseh Avenue	uilding Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box 4 East Tecumseh Avenue				
City	State	ZIP Code			
Strathmere	NJ	08248			

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, following.



DATE: June 17, 2014 - Front View



DATE: June 17, 2014 - Rear View



## **ICC-ES Evaluation Report**

ESR-2074\*

Reissued December 1, 2012 This report is subject to renewal February 1, 2015.

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

A Subsidiary of the International Code Council®

DIVISION: 08 00 00-OPENINGS

Section: 08 95 43-Vents/Foundation Flood Vents

## REPORT HOLDER:

SMARTVENT PRODUCTS, INC. 430 ANDBRO DRIVE, UNIT 1 PITMAN, NEW JERSEY 08071 (877) 441-8368 <a href="https://www.smartvent.com/info@smartvent.com/in

## **EVALUATION SUBJECT:**

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: FLOODVENT™ MODEL #1540-520; FLOODVENT™ STACKING MODEL #1540-621; SMARTVENT™ MODEL #1540-510; SMARTVENT™ STACKING MODEL #1540-511; WOOD WALL FLOOD MODEL #1540-570; WOOD WALL FLOOD OVERHEAD DOOR MODEL #1540-524; SMARTVENT™ OVERHEAD DOOR MODEL #1540-514

#### 1.0 EVALUATION SCOPE

## Compliance with the following codes:

- 2009 and 2006 International Building Code® (IBC)
- 2009 and 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. The Smart Vent® units are intended for use where flood hazard areas have been established in accordance with IBC Section 1612.3 or IRC Section R3222.1. 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 fabricated from stainless steel. The SmartVENT™ Stacking Model #1540-511 and FloodVENT™ Stacking Model #1540-521 units each contain two vertically arranged openings per unit.

## 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 #1540-511 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

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

\*Revised July 2013



concrete walls up to 12 inches (305 mm) thick. In order to comply with the engineered opening design principle noted in Section 2.6.2.2 of ASCE/SEI 24, the Smart Vent® AFFVs must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one AFFV for every 200 square feet (18.6 m²) of enclosed area, except that the SmartVENT™ Stacking Model #1540-511 and FloodVENT™ Stacking Model #1540-521 must be installed with a minimum of one AFFV for every 400 square feet (37.2 m²) of enclosed area.
- Below the base flood elevation.
- With the bottom of the AFFV located a maximum of 12 inches (305.4 mm) above grade.

#### 5.0 CONDITIONS OF USE

The Smart Vent<sup>®</sup> AFFVs described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The Smart Vent® AFFVs must be installed in accordance with this report, the applicable code and the manufacturer's installation instructions. In the event of a conflict, the instructions in this report govern.
- 5.2 The Smart Vent<sup>®</sup> AFFVs must not be used in the place of "breakaway walls" in coastal high hazard areas, but are permitted for use in conjunction with breakaway walls in other areas.

## 6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Automatic Foundation Flood Vents (AC364), dated October 2007.

## 7.0 IDENTIFICATION

The Smart VENT® models recognized in this report must be identified by a label bearing the manufacturer's name (Smartvent Products, Inc.), the model number, and the evaluation report number (ESR-2074).