OMB No. 1660-0008 Expiration Date: November 30, 2022

# **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 II	NFORMA	TION		FOR INSUR	ANCE COMPANY USE
A1. Building Owner's Name 6910 MIDNIGHT PASS, LLC.				Policy Numb	per:
A2. Building Street Address (including Apt., Unit, Suite, Box No. 6910 MIDNIGHT PASS RD	and/or Bl	ldg. No.) or	P.O. Route and	Company N	AIC Number:
City SARASOTA		State Florida		ZIP Code 34242	· · · · · · · · · · · · · · · · · · ·
A3. Property Description (Lot and Block Numbers, Tax ALL OF LOT 14 AND ALL OF LOT 15, POINT O'ROCK			•	:-)	
A4. Building Use (e.g., Residential, Non-Residential, Ad	ddition, Ac	ccessory, e	tc.) RESIDEN	TIAL	
A5. Latitude/Longitude: Lat. 27.2468915	Long82	2.5314566	Horizont	al Datum: NAD 1	927 🕅 NAD 1983
A6. Attach at least 2 photographs of the building if the 0	Certificate	is being us		_	202
A7. Building Diagram Number 6		J			
A8. For a building with a crawlspace or endosure(s):					
a) Square footage of crawlspace or enclosure(s)			1575 sq ft		
b) Number of permanent flood openings in the craw	denace or			abovo adiacont am	ide 14
c) Total net area of flood openings in A8.b	2800 2800		(S) WILLIE 1.0 1001	above aujacem gra	ue 11
		gq in			
d) Engineered flood openings? X Yes No	•				
A9. For a building with an attached garage:					
a) Square footage of attached garage	N/A	sq ft			
b) Number of permanent flood openings in the attac	ched gara	ige within 1	.0 foot above adja	cent grade N/A	A
c) Total net area of flood openings in A9.b	N,	/A sqi	in		
d) Engineered flood openings? ☐ Yes ☒ No					
o, angunation are priminger in the Equit					
SECTION B – FLOOD IN	SURANC	E RATE	MAP (FIRM) INF	ORMATION	
B1. NFIP Community Name & Community Number	i	2. County N			B3. State
SARASOTA COUNTY-125144	S	ARASOTA			Florida
B4. Map/Panel B5. Suffix B6. FIRM Index Date	B7. FIRM Effectiv		B8. Flood Zone(s)	B9. Base Flood E (Zone AO, use	levation(s) e Base Flood Depth)
12115C 0206F F 11-04-2016	11-04-20	i	AE	10 FEET	
B10. Indicate the source of the Base Flood Elevation (B	BFE) data	or base flo	od depth entered	in Item B9:	
☐ FIS Profile ☑ FIRM ☐ Community Determi	•		· ·		
B11. Indicate elevation datum used for BFE in Item B9:	□ NGV	'D 1929 [2	☑ NAVD 1988	Other/Source:	
B12. Is the building located in a Coastal Barrier Resour	rces Syste	em (CBRS)	area or Otherwis	e Protected Area (C	PA)? ☐ Yes ⊠ No
	BRS 🖂				, <u>.</u>
		, 5, 7,			

**ELEVATION CERTIFICATE** 

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corresponding	information from Sec	tion A.	FOR IN	ISURANC	E COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or I 6910 MIDNIGHT PASS RD	Bldg. No.) or P.O. Rou	te and Box No.	Policy I	Number:	
City State	e ZIP	Code	Compa	ny NAIC N	Number
SARASOTA Florid	da 3423	36			
SECTION C – BUILDING ELE	VATION INFORMAT	ION (SURVEY RE	QUIRE	D)	N
C1. Building elevations are based on: Construction *A new Elevation Certificate will be required when co		ding Under Construng is complete.	ction*		ned Construction
C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), V Complete Items C2.a–h below according to the buildi Benchmark Utilized: 17-84-A28	/E, V1–V30, V (with Bl ing diagram specified i Vertical Datum:	n Item A7. In Puerto	AE, AR/ o Rico or	A1–A30, Anly, enter	AR/AH, AR/AO. meters.
Indicate elevation datum used for the elevations in ite  ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Se		<b>w.</b>			
Datum used for building elevations must be the same	as that used for the B	FE.	Oh-	-1.45	
a) Top of hottom floor /including hopement amulana	an ar analasura flaar)			ck the me	asurement used.  meters
a) Top of bottom floor (including basement, crawlspa	ace, or enclosure floor)		6.6		=
b) Top of the next higher floor			17.2	☑ feet	∐ meters
c) Bottom of the lowest horizontal structural member	(V Zones only)		N/A	✓ feet	meters
d) Attached garage (top of slab)			6.3	✓ feet	meters
<ul> <li>e) Lowest elevation of machinery or equipment servi (Describe type of equipment and location in Comr</li> </ul>	icing the building nents)	·	11.0	<b>⊠</b> feet	meters meters
f) Lowest adjacent (finished) grade next to building	(LAG)		4.0	✓ feet	meters meters
g) Highest adjacent (finished) grade next to building	(HAG)	<del></del>	4.5	✓ feet	meters meters
<ul> <li>h) Lowest adjacent grade at lowest elevation of deck structural support</li> </ul>	or stairs, including		N/A	✓ feet	meters
SECTION D - SURVEYOR,	ENGINEER, OR ARC	CHITECT CERTIFI	CATIO	N	
This certification is to be signed and sealed by a land survive certify that the information on this Certificate represents statement may be punishable by fine or imprisonment und	my best efforts to inter	pret the data availa	law to o	ertify elev derstand t	ation information. that any false
Were latitude and longitude in Section A provided by a lice	ensed land surveyor?	☐Yes ☒ No		Check her	e if attachments.
Certifier's Name LELAND E. BEDWELL	License Number PSM 5884			·	- v * .
Title REGISTERED SURVEYOR				<u></u>	- 1m
Company Name LELAND E. BEDWELL SURVEYING, INC.					
Address 3423 55TH DRIVE EAST			] - <u>[</u>	الرب	
City BRADENTON	State Florida	ZIP Code 34203		05-2	24-2021
Signature	Date 05-24-2021	Telephone (941) 753-9994	Ext. NA		
Copy all pages of this E evation Certificate and all attachmen	its for (1) community of	ficial, (2) insurance a	agent/cor	mpany, and	d (3) building owner.
Comments (including type of equipment and location, per	C2(e), if applicable)				
LOWEST MACHINERY / EQUIPMENT SERVICING THE BUFLOW THRU CALCULATIONS **SEE ARCH PLANS FOR DREQUIREMENTS: MINIMUM OF 2 VENTS PER ENCLOSED Ft.) V= HYDROSTATIC REIJEF OF VENT N= NUMBER OF [INSTALLED & COUNTED ON SITE] (14) VENTS @. 2800 SEEACH VENT= 51 SQ IN	ETAILS AND LOCATIO DAREA CALCULATIO VENTS REQUIRED [15	ONS, HYDROSTATI NS: A / V = N, A= TC 75 Sq. Ft. / 200 Sq. Ft	C RELIE TAL EN . = MIN.	F: 200 Sq. F CLOSED A 8 VENTS	t per Vent.

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# **ELEVATION CERTIFICATE**

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corresponding	g information from Sec	tion A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/o 6910 MIDNIGHT PASS RD	r Bldg. No.) or P.O. Rou	te and Box No.	Policy Number:
City Sta SARASOTA Flo	ate ZIP orida 342	Code 36	Company NAIC Number
SECTION E – BUILDING ELEY FOR ZONE	ATION INFORMATION AO AND ZONE A (WIT		REQUIRED)
For Zones AO and A (without BFE), complete Items E1–E complete Sections A, B,and C. For Items E1–E4, use national enter meters.	E5. If the Certificate is in ural grade, if available.	tended to support a Check the measure	LOMA or LOMR-F request, ment used. In Puerto Rico only,
E1. Provide elevation information for the following and che highest adjacent grade (HAG) and the lowest grade (		es to show whethe	r the elevation is above or below
<ul> <li>a) Top of bottom floor (including basement, crawlspace, or enclosure) is</li> </ul>	N/A	feet meter	s 🔲 above or 🔲 below the HAG.
<ul> <li>b) Top of bottom floor (including basement, crawlspace, or enclosure) is</li> </ul>	N/A	feet meter	s 🔲 above or 🔲 below the LAG.
E2. For Building Diagrams 6–9 with permanent flood ope	enings provided in Section	on 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	N/A	☐ feet ☐ meter	s 🔲 above or 🔲 below the HAG.
E3. Attached garage (top of slab) is	N/A	☐ feet ☐ meter	s 🔲 above or 🔲 below the HAG.
E4. Top of platform of machinery and/or equipment servicing the building is	N/A	☐ feet ☐ meter	s 🔲 above or 🔲 below the HAG.
E5. Zone AO only: If no flood depth number is available, floodplain management ordinance? Yes N	is the top of the bottom lo   Unknown. The	floor elevated in ac local official must	cordance with the community's certify this information in Section G.
SECTION F - PROPERTY OWNE	R (OR OWNER'S REP	RESENTATIVE) CE	RTIFICATION
The property owner or owner's authorized representative community-issued BFE) or Zone AO must sign here. The	who completes Sections statements in Sections	s A, B, and E for Zo A, B, and E are cor	ne A (without a FEMA-issued or rect to the best of my knowledge.
Property Owner or Owner's Authorized Representative's	Name		
Address	City	St	ate ZIP Code
Signature	Date	Те	lephone
Comments			
			,
			Check here if attachments.

**ELEVATION CERTIFICATE** 

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corr			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, S 6910 MIDNIGHT PASS RD	uite, and/or Bldg. No.) or P.O. Route and	Box No.	Policy Number:
City SARASOTA	State ZIP Code Florida 34236		Company NAIC Number
SECTION	ON G - COMMUNITY INFORMATION (O	PTIONAL)	
The local official who is authorized by law or or Sections A, B, C (or E), and G of this Elevation used in Items G8–G10. In Puerto Rico only, en	Certificate. Complete the applicable item		
	en from other documentation that has been ted by law to certify elevation information.		
G2. A community official completed Sect or Zone AO.	ion E for a building located in Zone A (with	nout a FEM	A-issued or community-issued BFE)
G3. The following information (Items G4-	-G10) is provided for community floodplain	n managem	ent purposes.
G4. Permit Number	G5. Date Permit Issued		Date Certificate of Compliance/Occupancy Issued
G7. This permit has been issued for:	New Construction Substantial Impro	vement	
G8. Elevation of as-built lowest floor (including of the building:	g basement)	feet	meters Datum
G9. BFE or (in Zone AO) depth of flooding at	the building site:	feet	meters Datum
G10. Community's design flood elevation:		feet	meters Datum
Local Official's Name	Title		
Community Name	Telephone		
Signature	Date		
Comments (including type of equipment and lo	cation, per C2(e), if applicable)		
			Check here if attachments.

# **BUILDING PHOTOGRAPHS**

**ELEVATION CERTIFICATE** 

See Instructions for Item A6.

OMB No. 1660-0008

Expiration Date: November 30, 2022

IMPORTANT: In these spaces, cor	FOR INSURANCE COMPANY USE		
Building Street Address (including A 6910 MIDNIGHT PASS RD	pt., Unit, Suite, and/or Bldg. No.)	or P.O. Route and Box No.	Policy Number:
City SARASOTA	State Florida	ZIP Code 34236	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.





SMART VENT

FRONT

N 1 Photo One





REAR

SIDE

Photo Two Caption 05-24-2021

Photo Two

Clear Photo Two

Clear Photo One

# **BUILDING PHOTOGRAPHS**

**ELEVATION CERTIFICATE** 

Continuation Page

OMB No. 1660-0008

Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy	FOR INSURANCE COMPANY USE		
Building Street Address (including Ap 6910 MIDNIGHT PASS RD	Policy Number:		
City SARASOTA	State Florida	ZIP Code 34236	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

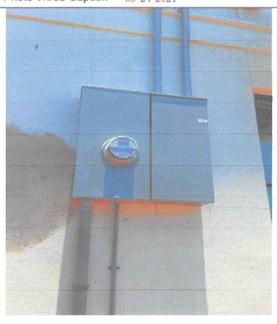




REAR Photo Three

Photo Three Caption 05-24-2021

Clear Photo Three





ELECRIC METER

REAR Photo Four

05-24-2021

Clear Photo Four

Photo Four Caption





# **ICC-ES Report**

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

ESR-2074

Reissued 02/2015 This report is subject to renewal 02/2017.

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

# **EVALUATION SUBJECT:**

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514



Look for the trusted marks of Conformity!

"2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence"





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# **ICC-ES Evaluation Report**

# ESR-2074

Reissued February 2015 Revised May 2016

This report is subject to renewal February 2017.

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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 www.smartvent.com info@smartvent.com

### **EVALUATION SUBJECT:**

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514

#### 1.0 EVALUATION SCOPE

#### Compliance with the following codes:

- 2015, 2012, 2009 and 2006 International Building Code® (IBC)
- 2015, 2012, 2009 and 2006 International Residential Code® (IRC)
- 2013 Abu Dhabi International Building Code (ADIBC)<sup>†</sup>

<sup>†</sup>The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

## Properties evaluated:

- m Physical operation
- Water flow

#### 2.0 USES

The Smart Vent® units are engineered mechanically operated flood vents (FVs) employed to equalize hydrostatic pressure on walls of enclosures subject to rising or falling flood waters. Certain models also allow natural ventilation.

### 3.0 DESCRIPTION

# 3.1 General:

When subjected to rising water, the Smart Vent® FVs internal floats are activated, 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 FV 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 door to rotate out of the way and allow flow. The water level stabilizes, equalizing the lateral forces. Each unit is fabricated from stainless steel. Smart Vent® Automatic Foundation Flood Vents are available in various models and sizes as described in Table 1. 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 FVs comply with the design principle noted in Section 2.7.2.2 and Section 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)] 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 FVs must be installed in accordance with Section 4.0.

#### 3.3 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 mm<sup>2</sup>) 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 mm<sup>2</sup>) of net free area to supply natural ventilation. Other FVs recognized in this report do not offer natural ventilation.

# 4.0 DESIGN AND 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. Installation clips allow mounting in masonry and concrete walls of any thickness. In order to comply with the engineered opening design principle noted in Section 2.7.2.2 and 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)], the Smart Vent® FVs must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one FV for every 200 square feet (18.6 m2) of enclosed area, except that the SmartVENT® Stacking Model #1540-511 FloodVENT® Stacking Model #1540-521 must be installed with a minimum of one FV for every 400 square feet (37.2 m<sup>2</sup>) of enclosed area.

- Below the base flood elevation.
- With the bottom of the FV located a maximum of 12 inches (305.4 mm) above the higher of the final grade or floor and finished exterior grade immediately under each opening.

## 5.0 CONDITIONS OF USE

The Smart Vent<sup>®</sup> FVs 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<sup>®</sup> FVs 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> FVs 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 Mechanically Operated Flood Vents (AC364), dated August 2015.

### 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).

**TABLE 1—MODEL SIZES** 

MODEL NAME	MODEL NUMBER	MODEL SIZE (in.)	COVERAGE (sq. ft.)
FloodVENT <sup>®</sup>	1540-520	15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> "	200
SmartVENT®	1540-510	15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> "	200
FloodVENT® Overhead Door	1540-524	15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> "	200
SmartVENT® Overhead Door	1540-514	15 <sup>3</sup> / <sub>4</sub> " × 7 <sup>3</sup> / <sub>4</sub> "	200
Wood Wall FloodVENT <sup>®</sup>	1540-570	14" X 8 <sup>3</sup> / <sub>4</sub> "	200
Wood Wall FloodVENT <sup>®</sup> Overhead Door	1540-574	14" X 8 <sup>3</sup> / <sub>4</sub> "	200
SmartVENT® Stacker	1540-511	16" X 16"	400
FloodVent <sup>®</sup> Stacker	1540-521	16" X 16"	400

For SI: 1 inch = 25.4 mm; 1 square foot =  $m^2$ 

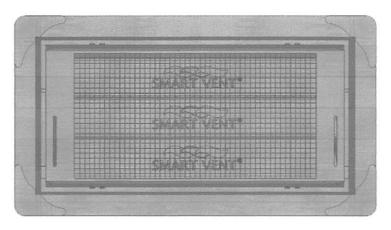


FIGURE 1-SMART VENT: MODEL 1540-510

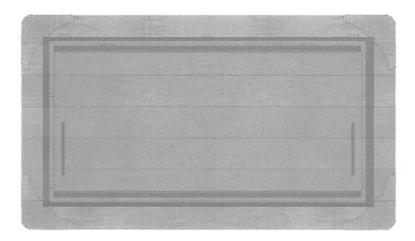


FIGURE 2—SMART VENT MODEL 1540-520

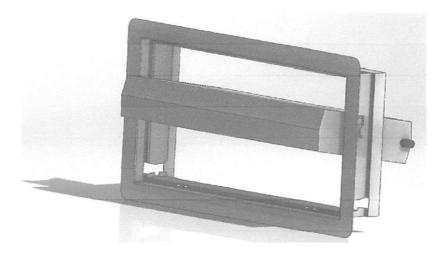


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN



# ICC-ES Evaluation Report

# **ESR-2074 FBC Supplement**

Reissued February 2015 Revised March 2016 This report is subject to renewal February 2017.

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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 www.smartvent.com info@smartvent.com

#### **EVALUATION SUBJECT:**

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514

#### 1.0 REPORT PURPOSE AND SCOPE

#### Purpose:

The purpose of this evaluation report supplement is to indicate that Smart Vent® Automatic Foundation Flood Vents, recognized in ICC-ES master report ESR-2074, have also been evaluated for compliance with the codes noted below.

# Applicable code editions:

- 2014 Florida Building Code—Building (FBC)
- 2014 Florida Building Code—Residential (FRC)

# 2.0 CONCLUSIONS

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2074, comply with the FBC and the FRC, provided the design and installation are in accordance with the International Building Code® provisions noted in the master report.

Use of the Smart Vent® Automatic Foundation Flood Vents has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the FBC and the FRC.

For products falling under Florida Rule 9N-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by

This supplement expires concurrently with the master report, reissued February 2015 and revised May 2016.

