

## National Flood Insurance Program

## ELEVATION CERTIFICATE

## IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

C463006	SECTION A – PROPERTY INFORMATION	FOR INSURANCE COMPANY USE
A1. Building Owner's Name: TRENT BOWERS AND CHRISTINE STEINBERG		Policy Number: _____
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 7233 MIDNIGHT PASS ROAD		Company NAIC Number: _____
City: SARASOTA	State: FL	ZIP Code: 34242
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: SARASOTA COUNTY PARCEL - 0110050003		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): ACCESSORY		
A5. Latitude/Longitude: Lat. 27.2451028 Long. -82.5295967	Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983 <input type="checkbox"/> WGS 84	
A6. Attach at least two and when possible four clear photographs (one for each side) of the building (see Form pages 7 and 8).		
A7. Building Diagram Number: 7		
A8. For a building with a crawlspace or enclosure(s):		
a) Square footage of crawlspace or enclosure(s): 1148 sq. ft.		
b) Is there at least one permanent flood opening on two different sides of each enclosed area? <input checked="" type="checkbox"/> Yes. <input type="checkbox"/> No. <input type="checkbox"/> N/A		
c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade: Non-engineered flood openings: 0 Engineered flood openings: 4		
d) Total net open area of non-engineered flood openings in A8.c: 0 sq. in.		
e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): 1,220 sq. ft.		
f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): N/A sq. ft.		
A9. For a building with an attached garage:		
a) Square footage of attached garage: N/A sq. ft.		
b) Is there at least one permanent flood opening on two different sides of the attached garage? <input type="checkbox"/> Yes. <input type="checkbox"/> No. <input checked="" type="checkbox"/> N/A		
c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade: Non-engineered flood openings: N/A Engineered flood openings: N/A		
d) Total net open area of non-engineered flood openings in A9.c: N/A sq. in.		
e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): N/A sq. ft.		
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): N/A sq. ft.		
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION		
B1.a. NFIP Community Name: SARASOTA COUNTY		B1.b. NFIP Community Identification Number: 125144
B2. County Name: SARASOTA	B3. State: FL	B4. Map/Panel No.: 12115C0207
B5. Suffix: G		
B6. FIRM Index Date: 03/27/2024	B7. FIRM Panel Effective/Revised Date: 03/27/2024	
B8. Flood Zone(s): AE	B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): 7	
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: <input type="checkbox"/> FIS <input checked="" type="checkbox"/> FIRM. <input type="checkbox"/> Community Determined <input type="checkbox"/> Other: _____		
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____		
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: N/A <input type="checkbox"/> CBRS <input type="checkbox"/> OPA		
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

# ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:

7233 MIDNIGHT PASS ROAD

City: SARASOTA

State: FL

ZIP Code: 34242

## FOR INSURANCE COMPANY USE

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

## SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings\* ☐ Building Under Construction\* ☒ Finished Construction

\*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: DL1867 – 3.97'

Vertical Datum: NAVD88

Indicate elevation datum used for the elevations in items a) through h) below.

☐ NGVD 1929 ☒ NAVD 1988 ☐ Other: \_\_\_\_\_

Datum used for building elevations must be the same as that used for the BFE. Conversion factor used?

☐ Yes ☒ No

If Yes, describe the source of the conversion factor in the Section D Comments area.

Check the measurement used:

a) Top of bottom floor (including basement, crawlspace, or enclosure floor):

4.3

☒ feet ☐ meters

b) Top of the next higher floor (see Instructions):

14.4

☒ feet ☐ meters

c) Bottom of the lowest horizontal structural member (see Instructions):

N/A

☐ feet ☐ meters

d) Attached garage (top of slab):

N/A

☐ feet ☐ meters

e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area):

13.3

☒ feet ☐ meters

f) Lowest Adjacent Grade (LAG) next to building: ☐ Natural ☒ Finished.

3.6

☒ feet ☐ meters

g) Highest Adjacent Grade (HAG) next to building: ☐ Natural ☒ Finished.

3.7

☒ feet ☐ meters

h) Finished LAG at lowest elevation of attached deck or stairs, including structural support:

N/A

☐ feet ☐ meters

## SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by state law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No

☒ Check here if attachments and describe in the Comments area.

Certifier's Name: David G Cutler

License Number: 5593

Title: Professional Surveyor and Mapper

Company Name: Compass Surveying Inc

Address: 6250 North Military Trail, Suite 102

City: West Palm Beach

State: FL

ZIP Code: 33407

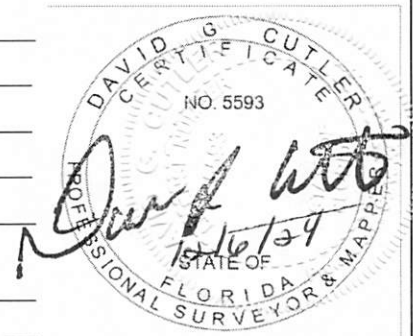
Signature: 

Date: 12/6/2024

Telephone: (800) 226-4807

Ext.: 3

Email: [orders@compasssurveying.net](mailto:orders@compasssurveying.net)



Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including source of conversion factor in C2; type of equipment and location per C2.e; and description of any attachments):

A5 = LAT AND LONG DETERMINED BY GOOGLE MAPS

A8c = CRAWL SPACE DOOR SYSTEMS – MODEL: CSB816 – CERTIFIED TO COVER: 305 SQ FT

PREVIOUS FEMA FLOOD MAP INFO: Map/panel no: 12115C02007; suffix: F; effective date: 11/04/2016; BFE:10; Zone: AE

C2b = FIRST LIVE-ABLE FLOOR

C2e = AC EQUIPMENT PAD (SOUTH SIDE OF BUILDING)

# ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>7233 MIDNIGHT PASS ROAD</u>	<b>FOR INSURANCE COMPANY USE</b> Policy Number: _____ Company NAIC Number: _____
City: <u>SARASOTA</u> State: <u>FL</u> ZIP Code: <u>34242</u>	

## SECTION E – BUILDING MEASUREMENT INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO, ZONE AR/AO, AND ZONE A (WITHOUT BFE)

For Zones AO, AR/AO, and A (without BFE), complete Items E1–E5. For Items E1–E4, use natural grade, if available. If the Certificate is intended to support a Letter of Map Change request, complete Sections A, B, and C. Check the measurement used. In Puerto Rico only, enter meters.

Building measurements are based on: ☐ Construction Drawings\* ☐ Building Under Construction\* ☐ Finished Construction

\*A new Elevation Certificate will be required when construction of the building is complete.

E1. Provide measurements (C.2.a in applicable Building Diagram) for the following and check the appropriate boxes to show whether the measurement is above or below the natural HAG and the LAG.

a) Top of bottom floor (including basement, crawlspace, or enclosure) is: \_\_\_\_\_ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

b) Top of bottom floor (including basement, crawlspace, or enclosure) is: \_\_\_\_\_ ☐ feet ☐ meters ☐ above or ☐ below the LAG.

E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (C2.b in applicable Building Diagram) of the building is: \_\_\_\_\_ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E3. Attached garage (top of slab) is: \_\_\_\_\_ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is: \_\_\_\_\_ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown The local official must certify this information in Section G.

## SECTION F – PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge*

☐ Check here if attachments and describe in the Comments area.

Property Owner or Owner's Authorized Representative Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Telephone: \_\_\_\_\_ Ext.: \_\_\_\_\_ Email: \_\_\_\_\_

Comments: \_\_\_\_\_

**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**

Page 4 of 7



# ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>7233 MIDNIGHT PASS ROAD</u>	<b>FOR INSURANCE COMPANY USE</b>
City: <u>SARASOTA</u> State: <u>FL</u> ZIP Code: <u>34242</u>	Policy Number: _____ Company NAIC Number: _____

## SECTION H – BUILDING'S FIRST FLOOR HEIGHT INFORMATION FOR ALL ZONES (SURVEY NOT REQUIRED) (FOR INSURANCE PURPOSES ONLY)

The property owner, owner's authorized representative, or local floodplain management official may complete Section H for all flood zones to determine the building's first floor height for insurance purposes. Sections A, B, and I must also be completed. Enter heights to the nearest tenth of a foot (nearest tenth of a meter in Puerto Rico). **Reference the Foundation Type Diagrams (at the end of Section H Instructions) and the appropriate Building Diagrams (at the end of Section I Instructions) to complete this section.**

H1. Provide the height of the top of the floor (as indicated in Foundation Type Diagrams) above the Lowest Adjacent Grade (LAG):

a) **For Building Diagrams 1A, 1B, 3, and 5–9.** Top of bottom \_\_\_\_\_ ☐ feet ☐ meters ☐ above the LAG floor (include above-grade floors only for buildings with subgrade crawlspaces or enclosure floors) is:

b) **For Building Diagrams 2A, 2B, 4, and 6–9.** Top of next \_\_\_\_\_ ☐ feet ☐ meters ☐ above the LAG higher floor (i.e., the floor above basement, crawlspace, or enclosure floor) is:

H2. Is **all** Machinery and Equipment servicing the building (as listed in Item H2 instructions) elevated to or above the floor indicated by the H2 arrow (shown in the Foundation Type Diagrams at end of Section H instructions) for the appropriate Building Diagram?

☐ Yes ☐ No

## SECTION I – PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and H must sign here. *The statements in Sections A, B, and H are correct to the best of my knowledge.* **Note:** If the local floodplain management official completed Section H, they should indicate in Item G2.b and sign Section G.

☐ Check here if attachments are provided (including required photos) and describe each attachment in the Comments area.

Property Owner or Owner's Authorized Representative Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Telephone: \_\_\_\_\_ Ext.: \_\_\_\_\_ Email: \_\_\_\_\_

Comments: \_\_\_\_\_

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**  
**BUILDING PHOTOGRAPHS**  
See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:

7233 MIDNIGHT PASS ROAD

City: SARASOTA

State: FL

ZIP Code: 34242

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.

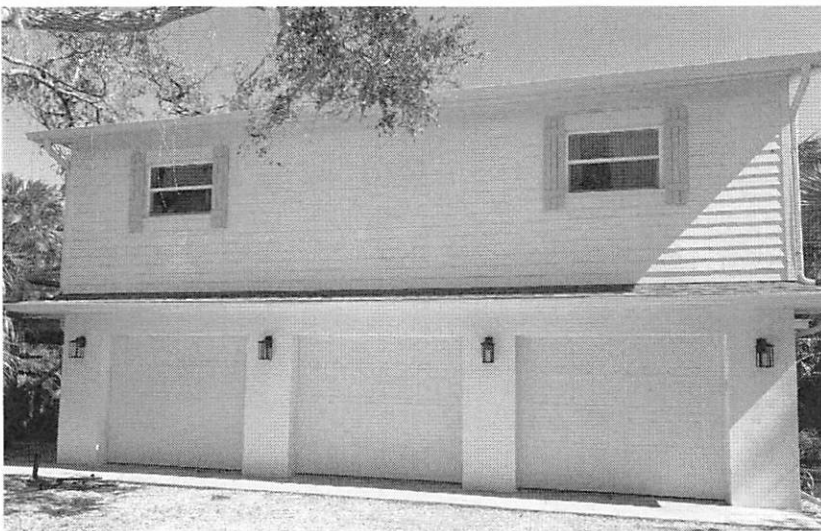


Photo One

Photo One Caption: Front View – 10/15/2024

Clear Photo One



Photo Two

Photo Two Caption: Side View 10/15/2024

Clear Photo Two

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**  
**BUILDING PHOTOGRAPHS**  
Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:

7233 MIDNIGHT PASS ROAD

City: SARASOTA

State: FL

ZIP Code: 34242

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.

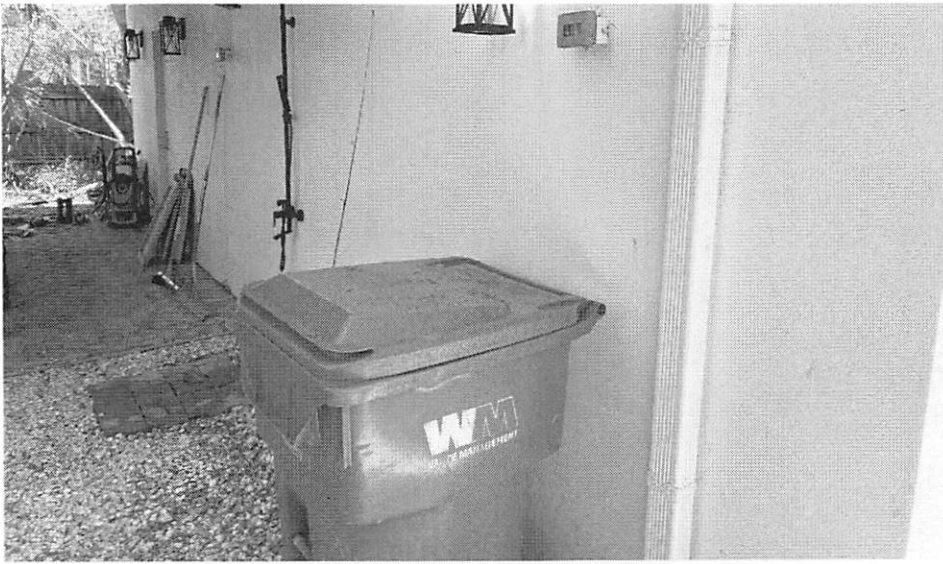


Photo Three

Photo Three Caption: Side View 10/15/2024

Clear Photo Three



Photo Four

Photo Four Caption: Rear View 10/15/2024

Clear Photo Four

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**  
**BUILDING PHOTOGRAPHS**

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:

7233 MIDNIGHT PASS ROAD

City: SARASOTA

State: FL

ZIP Code: 34242

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo Three

Photo Caption: Engineered Flood Vent – 11/14/2024

Clear Photo Three

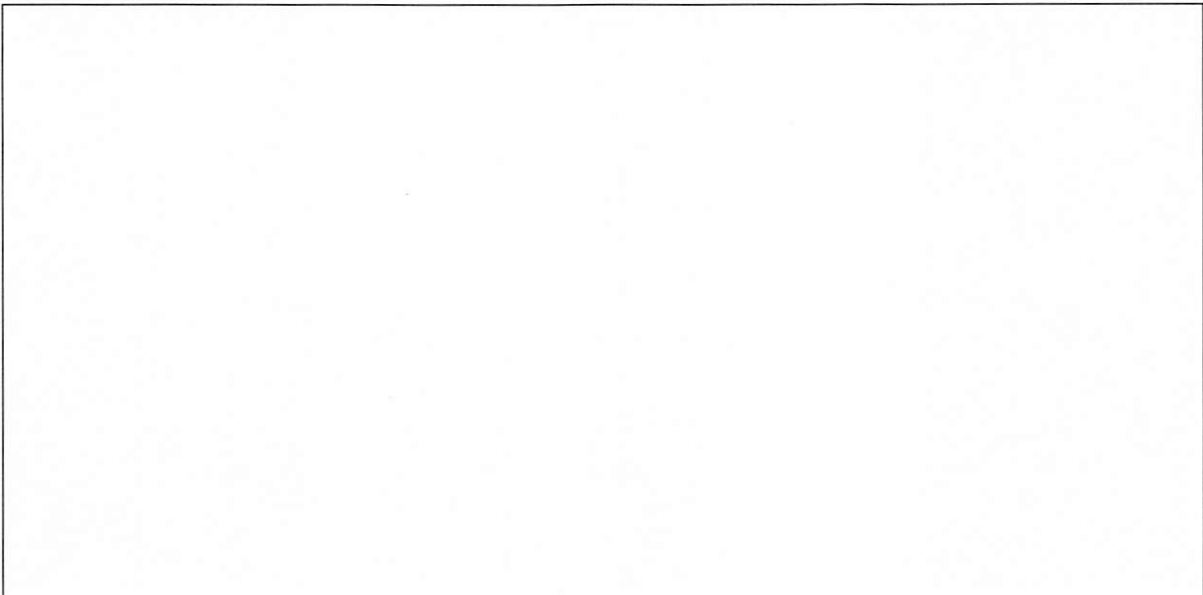


Photo Four

Photo Caption:

Clear Photo Four





## ICC-ES Evaluation Report

Reissued September 2022

### ESR-3851

This report is subject to renewal September 2023.

**DIVISION: 08 00 00—OPENINGS**

**Section: 08 95 43—Vents/Foundation Flood Vents**

**REPORT HOLDER:**

**CRAWL SPACE DOOR SYSTEMS, INC.**

**EVALUATION SUBJECT:**

**CRAWL SPACE DOOR SYSTEMS FLOOD VENT**

**MODEL #CSBA816**

**CRAWL SPACE STACKED MODELS: #ICCSTACKED2;**

**#ICCSTACKED4**

**FLOOD VENT INSULATED KIT #ICCINSULATED**

#### 1.0 EVALUATION SCOPE

**Compliance with the following codes:**

- 2018 and 2015 *International Building Code*®
- 2018 and 2015 *International Residential Code*®

**Properties evaluated:**

- Physical operation
- Water flow
- Weathering

#### 2.0 USES

Crawl Space Door Systems flood vents are used to provide for the equalization of hydrostatic flood forces on exterior walls.

#### 3.0 DESCRIPTIONS

##### 3.1 General:

Crawl Space Door Systems flood vents are engineered mechanically operated flood vents. Upon contact with flood water, the flood vents automatically open and allow flood water to enter and exit enclosed areas. The vents are constructed of general purpose ABS SP-9010 plastic. The Crawl Space Flood Vent Model #CSBA816 has a faux louver with either a solid plastic plate or wire mesh attached to the back of the louver. The louver is dislodged from the vent upon contact with flood waters. See Figure 1 for an illustration of the flood vent Model #CSBA816.

The Flood Vent Insulated Kit Model #ICCINSULATED is constructed of general purpose ABS SP-9010 plastic. The vent frame opening is filled with a 2-inch thick (51 mm) extruded polystyrene Styrofoam™ Brand Scoreboard Foam

Insulation Board (ESR-2142). The insulation board is dislodged from the vent upon contact with flood waters, allowing flood waters to enter and exit enclosed areas. See Figure 2 for an illustration of the Flood Vent Insulated Kit Model #ICCINSULATED.

The Crawl Space Stacked Model #ICCSTACKED2 contains two vertically arranged Crawl Space Flood Vents (Model #CSBA816) in one assembly. The Crawl Space Stacked Model #ICCSTACKED4 contains four Crawl Space Flood Vents (Model #CSBA816) in one assembly, with two sets of side by side flood vents vertically arranged.

##### 3.2 Engineered Opening:

The Crawl Space Door Systems static flood vents comply with the design principle noted in Section 2.7.2.2 of ASCE/SEI 24 for a rate of rise and fall of 5 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24-14, the flood vents must be installed in accordance with Section 4.0 of this report.

##### 3.3 Ventilation:

The Crawl Space Flood Vent Model #CSBA816 and Crawl Space Stacked Models #ICCSTACKED2 and #ICCSTACKED4 are available covered with metal wire mesh with 0.108 inch by 0.108 inch (2.74 mm by 2.74 mm) openings. The mesh is covered by a faux louver with 11/16 inch (17.5 mm) vertical clearance between each blade. The Crawl Space Flood Vent Model #CSBA816 provides 11 square inches (7097 mm<sup>2</sup>) of net free area to supply natural ventilation when equipped with wire mesh. The Crawl Space Stacked Models #ICCSTACKED2 and #ICCSTACKED4 supply 22 square inches (14,194 mm<sup>2</sup>) and 44 square inches (28,388 mm<sup>2</sup>), respectively, of net free area to supply natural ventilation when equipped with wire mesh. The Crawl Space Flood Vent Model #CSBA816 covered with a solid plastic plate, Crawl Space Stacked Models #ICCSTACKED2 and #ICCSTACKED4 covered with a solid plastic plate, and the Flood Vent Insulated Kit Model #ICCINSULATED do not offer natural ventilation.

#### 4.0 DESIGN AND INSTALLATION

The Crawl Space Door Systems flood vents are designed to be installed into walls or 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. In order to comply with the engineered opening design principle noted in Sections

2.7.2.2 and 2.7.3 of ASCE/SEI 24-14, the vent must be installed as follows:

- With a minimum of two openings; one on different sides of each enclosed area.
- With a minimum of one vent for the square footage of enclosed area noted in Table 1.
- Below the base flood elevation.
- With the bottom of the vent located a maximum of 12 inches (305 mm) above grade.

### 5.0 CONDITIONS OF USE

The Crawl Space Door Systems flood vents 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 Crawl Space Door Systems flood vents must be installed in accordance with this report, the applicable code and the manufacturer's published installation instructions. In the event of a conflict, the instructions in this report govern.
- 5.2 The Crawl Space Door Systems flood vents 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.

5.3 The Crawl Space Door Systems flood vents are manufactured under a quality control system with inspections by ICC-ES.

### 6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015 (Editorially revised October 2017).

### 7.0 IDENTIFICATION

7.1 The Crawl Space Door Systems flood vents recognized in this report must be identified by a label bearing the manufacturer's name (Crawl Space Door Systems), the model number, and the evaluation report number (ESR-3851).

7.2 The report holder's contact information is the following:

**CRAWL SPACE DOOR SYSTEMS, INC.**  
**3669 SEA GULL BLUFF DRIVE**  
**VIRGINIA BEACH, VIRGINIA 23455**  
**(757) 363-0005**  
[www.crawlspacedoors.com](http://www.crawlspacedoors.com)

TABLE 1—CRAWL SPACE DOOR SYSTEMS FLOOD VENTS

MODEL	OVERALL VENT SIZE (Width x Height x Depth) (in)	ROUGH OPENING SIZE (Width x Height) (in)	ENCLOSED AREA COVERAGE (ft <sup>2</sup> )
CSBA816	18 <sup>1</sup> / <sub>4</sub> x 10 <sup>1</sup> / <sub>2</sub> x 1 <sup>3</sup> / <sub>4</sub>	16 x 8 <sup>1</sup> / <sub>4</sub>	305
ICCINSULATED	18 <sup>1</sup> / <sub>4</sub> x 10 <sup>1</sup> / <sub>2</sub> x 1 <sup>3</sup> / <sub>4</sub>	15 <sup>3</sup> / <sub>4</sub> x 8	300
ICCSTACKED2	30 x 30 x 2 <sup>3</sup> / <sub>4</sub>	24 x 24	610
ICCSTACKED4	40 <sup>1</sup> / <sub>2</sub> x 24 <sup>3</sup> / <sub>4</sub> x 2 <sup>3</sup> / <sub>4</sub>	35 <sup>1</sup> / <sub>4</sub> x 19 <sup>1</sup> / <sub>2</sub>	1,220

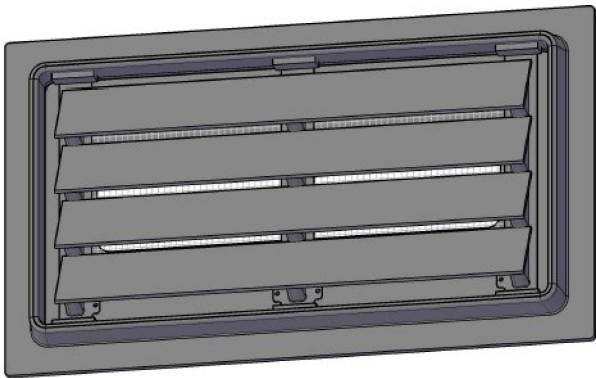


FIGURE 1—CRAWL SPACE DOOR SYSTEMS FLOOD VENT

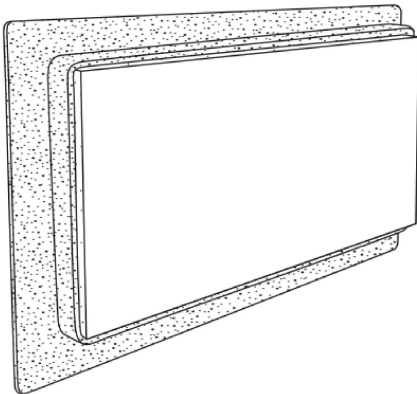


FIGURE 2—FLOOD VENT INSULATED KIT

# ICC-ES Evaluation Report

# ESR-3851 CBC and CRC Supplement

Reissued September 2022

*This report is subject to renewal September 2023.*

[www.icc-es.org](http://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:

**CRAWL SPACE DOOR SYSTEMS, INC.**

## EVALUATION SUBJECT:

**CRAWL SPACE DOOR SYSTEMS FLOOD VENT #CSBA816  
CRAWL SPACE STACKED MODELS #ICCSTACKED2; #ICCSTACKED4  
FLOOD VENT INSULATED KIT #ICCINSULATED**

## 1.0 REPORT PURPOSE AND SCOPE

### Purpose:

The purpose of this evaluation report supplement is to indicate that Crawl Space Door Systems flood vents, described in ICC-ES evaluation report [ESR-3851](#), have also been evaluated for compliance with the codes noted below.

### Applicable code editions:

- 2019 *California Building Code* (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2019 *California Residential Code* (CRC)

## 2.0 CONCLUSIONS

### 2.1 CBC:

The Crawl Space Door Systems flood vents, described in Sections 2.0 through 7.0 of the evaluation report [ESR-3851](#), comply with CBC Chapter 12, provided the design and installation are in accordance with the 2018 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 12 and 16, as applicable.

#### 2.1.1 OSHPD:

The applicable OSHPD Sections of the CBC are beyond the scope of this supplement.

#### 2.1.2 DSA:

The applicable DSA Sections of the CBC are beyond the scope of this supplement.

### 2.2 CRC:

The Crawl Space Door Systems flood vents, described in Sections 2.0 through 7.0 of the evaluation report [ESR-3851](#), comply with 2019 CRC, provided the design and installation are in accordance with the 2018 *International Residential Code*® (IRC) provisions noted in the evaluation report.

This supplement expires concurrently with the evaluation report, reissued September 2022.

## ICC-ES Evaluation Report

## ESR-3851 FBC and FRC Supplement

Reissued September 2022

This report is subject to renewal September 2023.

[www.icc-es.org](http://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:**

**CRAWL SPACE DOOR SYSTEMS, INC.**

**EVALUATION SUBJECT:**

**CRAWL SPACE DOOR SYSTEMS FLOOD VENT #CSBA816  
CRAWL SPACE STACKED MODELS #ICCSTACKED2; #ICCSTACKED4  
FLOOD VENT INSULATED KIT #ICCINSULATED**

### 1.0 REPORT PURPOSE AND SCOPE

**Purpose:**

The purpose of this evaluation report supplement is to indicate that Crawl Space Door Systems flood vents, described in ICC-ES evaluation report ESR-3851, have also been evaluated for compliance with the codes noted below.

**Applicable code editions:**

- 2020 *Florida Building Code—Building*
- 2020 *Florida Building Code—Residential*

### 2.0 CONCLUSIONS

The Crawl Space Door Systems flood vents, described in Sections 2.0 through 7.0 of ICC-ES evaluation report ESR-3851, comply with the *Florida Building Code—Building* and *Florida Building Code—Residential*, provided the design requirements are determined in accordance with the *Florida Building Code—Building* and *Florida Building Code—Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-3851 for the 2018 *International Building Code*® meet the requirements of the *Florida Building Code—Building* and *Florida Building Code—Residential*, as applicable.

Use of the Crawl Space Door Systems flood vents has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the 2020 *Florida Building Code—Building* and *Florida Building Code—Residential*.

For products falling under Florida Rule 61G20-3, 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 the Commission).

This supplement expires concurrently with the evaluation report, reissued September 2022.