# **ELEVATION CERTIFICATE**

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

IMPORTANT: In these spaces, copy the corresponding information	FOR INSURANCE COMPANY USE				
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  Policy Number:					
250 Rutgers Road					
City State	ZIP Code	Company NAIC Number			
Venice Florida	34293				
SECTION G - COMMUNITY	INFORMATION (OPTIONAL)				
The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.					
G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)					
G2. A community official completed Section E for a building loc or Zone AO.	ated in Zone A (without a FEM	A-issued or community-issued BFE)			
G3. The following information (Items G4–G10) is provided for c	community floodplain managem	nent purposes.			
G4. Permit Number G5. Date Permit Iss	sued G6.	Date Certificate of			
20-166585 81		Compliance/Occupancy Issued			
	Substantial Improvement				
G8. Elevation of as-built lowest floor (including basement) of the building:	fee	t 🗌 meters Datum			
G9. BFE or (in Zone AO) depth of flooding at the building site:	fee	t meters Datum			
G10. Community's design flood elevation:	fee	et  meters Datum			
Local Official's Name	Title				
Community Name	Telephone				
Signature	Date				
Comments (including type of equipment and location, per C2(e), if a	pplicable)				
		☐ Check here if attachments.			

### U.S. DEPARTMENT OF HOMELAND SECURITY Federal Emergency Management Agency National Flood Insurance Program

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.

py all pages of this Eleva		A - PROPERTY II		ATION		FOR INSURA	NCE COMPANY USE
A1. Building Owner's Name					Policy Number	г:	
Oleg Borisov							
A2. Building Street Addr Box No.	ress (includir	ng Apt., Unit, Suite,	and/or f	Bldg. No.) or f	P.O. Route and	Company NA	C Number:
250 Rutgers Road						ZIP Code	
City				State Florida		2IP Code 34293	
Venice					Description etc.)		
A3. Property Descriptio W 1/2 of Lot 13321	n (Lot and B & Lots 1332	lock Numbers, Tax 22 & 13323 South \	Parcel r /enice U	number, Lega Init 51	Sarasota County	Parcel #0461-13-0	151
A4. Building Use (e.g.,	Residential,	Non-Residential, A	ddition,	Accessory, et	c.) Residen	tial	
A5. Latitude/Longitude:					Horizontal [	Datum: NAD 19	27 🗵 NAD 1983
A6. Attach at least 2 ph					ed to obtain flood	insurance.	
			00				
A7. Building Diagram N							
A8. For a building with					)		
<ul> <li>a) Square footage</li> </ul>					N/A sq ft		
b) Number of perm	anent flood	openings in the cra	wispace	or enclosure	(s) within 1.0 foot a	above adjacent grad	le <u>N/A</u>
c) Total net area of	f flood openi	ngs in A8.b		N/A sq in			
d) Engineered floo	d openings?	Yes No	0				
A9. For a building with a	an attached	garage:					
a) Square footage	of attached	garage		440.30 sq ft			
b) Number of perm					0 foot above adia	cent grade 3	
c) Total net area o	f flood openi	ings in A9.b		750.00 sq	ın		
d) Engineered floo	d openings?	Y X Yes N	0				
	SECT	ION B - FLOOD I	NSURA	NCE RATE	MAP (FIRM) INFO	ORMATION	
B1. NFIP Community N				B2. County			B3. State
Sarasota County	12514				Saraso	ota	Florida
B4. Map/Panel B5	5. Suffix B	6. FIRM Index Date		RM Panel ective/	B8. Flood Zone(s)	B9. Base Flood E (Zone AO, use	evation(s) e Base Flood Depth)
		6. FIRM Index Date 1-04-2016	Effe	ective/ vised Date		B9. Base Flood E (Zone AO, use	Base Flood Depth)
B4. Map/Panel Number B5	1	Date 1-04-2016	Effe Rev 11-04-2	ective/ vised Date 2016	Zone(s) AE	(Zone AO, use	Base Flood Depth)
B4. Map/Panel B5 Number 12115C0342 F B10. Indicate the sour	1 rce of the Ba	Date 1-04-2016 use Flood Elevation	Effe Rev 11-04-2 (BFE) d	ective/ vised Date 2016 ata or base fle	Zone(s)  AE  bood depth entered	(Zone AO, use	Base Flood Depth)
B4. Map/Panel Number B5 12115C0342 F B10. Indicate the sour	1 rce of the Ba	Date 1-04-2016	Effe Rev 11-04-2 (BFE) d	ective/ vised Date 2016 ata or base fle	Zone(s)  AE  bood depth entered	(Zone AO, use	Base Flood Depth)
B4. Map/Panel Number B5 12115C0342 F B10. Indicate the sour	1: rce of the Ba	Date 1-04-2016 se Flood Elevation Community Determine	Effe Rev 11-04-2 (BFE) d mined [	ective/ vised Date 2016  ata or base flo	Zone(s)  AE  bood depth entered rce:	(Zone AO, use	Base Flood Depth)
B4. Map/Panel Number  12115C0342 F  B10. Indicate the sour	trce of the Ba ☐ FIRM ☐ ☐ n datum use	Date 1-04-2016 ase Flood Elevation Community Determed for BFE in Item B	Effe Rev 11-04-2 (BFE) d mined [	ective/ vised Date 2016  ata or base flo  Other/Sou	Zone(s)  AE  bood depth entered rce:  X NAVD 1988	in Item B9:	Base Flood Depth)
B4. Map/Panel Number  12115C0342 F  B10. Indicate the sour	rce of the Ba FIRM n datum use	Date 1-04-2016 use Flood Elevation Community Determed for BFE in Item B	Effe Rev 11-04-2 (BFE) d mined [	ective/ vised Date 2016  ata or base flo  Other/Sou	Zone(s)  AE  bood depth entered rce:  X NAVD 1988	in Item B9:	Base Flood Depth)

# **ELEVATION CERTIFICATE**

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

IMPORTANT: In these spaces, copy the corresponding information from Section A.  Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.					
	FOR INSURANCE COMPANY USE				
	D. Policy Number:				
250 Rutgers Road	Company NAIC Number				
City State ZIP Code Venice Florida 34293	Company NAIC Number				
Verified					
SECTION C – BUILDING ELEVATION INFORMATION (SURVE	Y REQUIRED)				
C1. Building elevations are based on:   Construction Drawings*   Building Under Co	onstruction* X Finished Construction				
*A new Elevation Certificate will be required when construction of the building is complete.					
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/AO. Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.					
Benchmark Utilized: Sarasota County B.M. #459A Vertical Datum: NAVD88 (Elev.=+13.61)					
Indicate elevation datum used for the elevations in items a) through h) below.					
☐ 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)	16.8 ⋉ feet ☐ meters				
	N/A   feet   meters				
b) Top of the next higher floor	N/A   feet   meters				
c) Bottom of the lowest horizontal structural member (V Zones only)	14.7 × feet  meters				
d) Attached garage (top of slab)	14.7 A leet Micters				
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	16.8 X feet meters				
f) Lowest adjacent (finished) grade next to building (LAG)	14.3 X feet meters				
g) Highest adjacent (finished) grade next to building (HAG)	14.9 X feet meters				
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	14.2 × feet meters				
SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CE	RTIFICATION				
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorize I certify that the information on this Certificate represents my best efforts to interpret the data statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.	available. I understand that any raise				
Were latitude and longitude in Section A provided by a licensed land surveyor? ☐ Yes ⊠	No				
Certifier's Name License Number					
David B Shremshock PSM 5637					
Title					
President	SSA Place				
Company Name Shremshock Surveying, Inc.	Medal				
Address 5265 Alametos Terrace	4/29/221C				
City State ZIP Code	10 20 mg				
North Port Florida 34288	The course				
Signature Date Telephone					
4/29/2022 (941) 423-8	rance agent/company, and (3) building owner.				
Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insu					

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e) Lowest obvision of machinery of a Cearthe Lype of equipment and to	epulation, servicing the fail replies in Commercia)	guð	188 (S) (64) C (1970)
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ELEVATION OF REPOATE

# **ELEVATION CERTIFICATE**

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

IMPORTANT: In these spaces, copy the corresp	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Unit, Suite	Policy Number:		
250 Rutgers Road			
City	State	ZIP Code	Company NAIC Number
Venice	Florida	34293	
SECTION E – BUILDIN FOR	G ELEVATION INFOI ZONE AO AND ZONE	RMATION (SURVEY NO E A (WITHOUT BFE)	T REQUIRED)
For Zones AO and A (without BFE), complete Iter complete Sections A, B,and C. For Items E1–E4, enter meters.	use natural grade, if av	ailable. Check the measu	rement used. In Puerto Rico only,
E1. Provide elevation information for the following the highest adjacent grade (HAG) and the local transfer of the following the local transfer of the following transfer of t	g and check the approp west adjacent grade (L	oriate boxes to show whetl AG).	ner the elevation is above or below
Top of bottom floor (including basement, crawlspace, or enclosure) is		feet  me	ters  above or  below the HAG.
b) Top of bottom floor (including basement, crawlspace, or enclosure) is		feet me	
E2. For Building Diagrams 6–9 with permanent fl the next higher floor (elevation C2.b in the diagrams) of the building is	ood openings provided	in Section A Items 8 and/	
E3. Attached garage (top of slab) is		feet me	ters  above or below the HAG.
E4. Top of platform of machinery and/or equipment servicing the building is	ent		ters ☐ above or ☐ below the HAG.
E5. Zone AO only: If no flood depth number is a floodplain management ordinance?	vailable, is the top of the s	e bottom floor elevated in wn. The local official mu	accordance with the community's st certify this information in Section G.
SECTION F - PROPERT	Y OWNER (OR OWNE	R'S REPRESENTATIVE)	CERTIFICATION
The property owner or owner's authorized repres community-issued BFE) or Zone AO must sign h	ere. The statements in	s Sections A, B, and E for Sections A, B, and E are o	Zone A (without a FEMA-issued or correct to the best of my knowledge.
Property Owner or Owner's Authorized Represer	ntative's Name		
Address	(	City	State ZIP Code
Signature		Date	Telephone
Comments			
			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, cop	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 250 Rutgers Road			Policy Number:
City	State	ZIP Code	Company NAIC Number
Venice	Florida	34293	

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.



Photo One

Photo One Caption Front View Clear Photo One



Photo Two Caption Left

Left Side View

Clear Photo Two

### **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 Apt. 250 Rutgers Road	Policy Number:		
City Venice	State Florida	ZIP Code 34293	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.



Photo Three

Photo Three Caption Rear View Clear Photo Three



Photo Four

Right Side View

Clear Photo Four

Photo Four Caption



# **ICC-ES Evaluation Report**

ESR-4332

Reissued March 2020

This report is subject to renewal March 2022.

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:

SMART PRODUCT INNOVATIONS, INC.

**EVALUATION SUBJECT:** 

FREEDOM FLOOD VENT™ AUTOMATIC FOUNDATION FLOOD VENT: MODEL FFV-1608

#### 1.0 EVALUATION SCOPE

#### Compliance with the following codes:

- 2018, 2015, 2012, 2009 and 2006 International Building Code® (IBC)
- 2018, 2015, 2012, 2009 and 2006 International Residential Code® (IRC)

#### Properties evaluated:

- Physical operation
- Water flow
- Weathering

#### 2.0 USES

The model FFV-1608 Freedom Flood Vent™ is used to equalize hydrostatic pressure on walls of enclosures subject to rising or falling floodwaters. With the cover removed, the model FFV-1608 also provides natural air ventilation.

#### 3.0 DESCRIPTION

#### 3.1 General:

The model FFV-1608 Freedom Flood Vent™ is an engineered mechanically operated in-wall flood vent (FV) that automatically allows floodwater to enter an enclosed area and exit. The FV is comprised of a polycarbonate frame with mounting flange and a polycarbonate horizontally pivoting door. When subjected to rising water, the model FFV-1608 Freedom Flood Vent™ door is activated and pivots to allow water and debris to flow in either direction to equalize hydrostatic pressure from one side of the enclosure to the other. The FV features a removable polycarbonate cover. The FV door will activate and pivot when subjected to rising water with or without the polycarbonate cover installed.

#### 3.2 Engineered Opening:

The FV complies with the design principle noted in Section 2.7.2.2 and Section 2.7.3 of ASCE/ SEI 24-14 (2018 and 2015 IBC and IRC) [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, Freedom Flood Vent™ FVs must be installed in accordance with Section 4.0 below. See Table 1 for vent size and maximum allowable area coverage for a single vent.

#### 4.0 DESIGN AND INSTALLATION

The model FFV-1608 Freedom Flood Vent™ is designed to be installed into walls or overhead doors of existing or new construction. Installation of the vent 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 (2018 and 2015 IBC and IRC) [Section 2.6.2.2 of ASCE/ SEI 24-05 (2012, 2009, 2006 IBC and IRC)], the Freedom Flood Vent<sup>™</sup> 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 250 square feet (23.2 m<sup>2</sup>) of enclosed area.
- Below the base flood elevation.
- With the bottom of the vent located a maximum of 12 inches (305.4 mm) above the higher of the final interior grade or floor and the finished exterior grade immediately under each opening.

#### 5.0 CONDITIONS OF USE

The Freedom Flood Vent™ described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The model FFV-1608 Freedom Flood Vent<sup>™</sup> unit 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 shall govern.
- 5.2 The model FFV-1608 Freedom Flood Vent™ unit must not be used in place of "breakaway walls" in coastal high hazard areas, but are permitted for use in conjunction with breakaway walls in other areas.

**5.3** Use of the Freedom Flood Vent as under-floor space ventilation is outside the scope of this report.

#### 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 Freedom Flood Vent™ model recognized in this report must be identified by a label bearing the manufacturer's name (Smart Product Innovations, Inc.) and the evaluation report number (ESR-4332.).

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

SMART PRODUCT INNOVATIONS, INC. 430 ANDBRO DRIVE, UNIT 1 PITMAN, NEW JERSEY 08071 (800) 507-1527

www.freedomfloodvent.com info@freedomfloodvent.com

TABLE 1-FREEDOM FLOOD VENT™

MODEL NAME	MODEL NUMBER	MODEL SIZE	COVERAGE (sq. ft.)
Freedom Flood Vent™	FFV-1608	15 <sup>3</sup> / <sub>4</sub> " X 8 <sup>1</sup> / <sub>16</sub> "	250

For SI: 1 inch = 25.4 mm

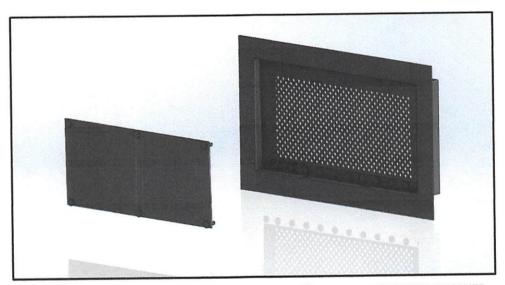


FIGURE 1—MODEL FFV-1608 FREEDOM FLOOD VENT™: SHOWN WITH COVER REMOVED

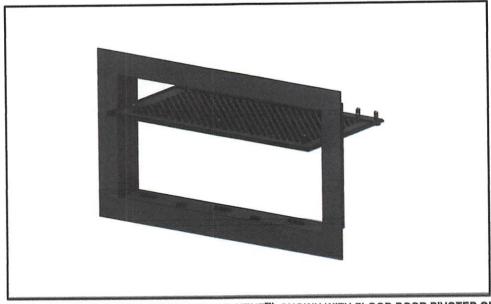


FIGURE 2—MODEL FFV-1608 FREEDOM FLOOD VENT™: SHOWN WITH FLOOD DOOR PIVOTED OPEN



### **ICC-ES Evaluation Report**

# **ESR-4332 CBC and CRC Supplement**

Reissued March 2020

This report is subject to renewal March 2022.

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:

SMART PRODUCT INNOVATIONS, INC.

**EVALUATION SUBJECT:** 

FREEDOM FLOOD VENT™ AUTOMATIC FOUNDATION FLOOD VENT: MODEL FFV-1608

#### 1.0 REPORT PURPOSE AND SCOPE

#### Purpose:

The purpose of this evaluation report supplement is to indicate that the Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, recognized in ICC-ES master evaluation report ESR-4332, has also been evaluated for compliance with codes noted below.

### Applicable code edition(s):

- 2016 California Building Code (CBC)
- 2016 California Residential Code (CRC)

#### 2.0 CONCLUSIONS

#### 2.1 CBC:

The Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4332, complies with CBC Chapters 12, 16 and 16A, provided the design and installation are in accordance with the 2015 International Building Code® (2015 IBC) provisions noted in the master report and the additional requirements of 12, 16, and 16A, as applicable.

The product recognized in this supplement has not been evaluated under CBC Chapter 7A for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

#### 2.2 CRC:

The Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4332, complies with the 2016 CRC, provided the design and installation are in accordance with the 2015 International Residential Code® (2015 IRC) provisions noted in the master report.

The product recognized in this supplement has not been evaluated under 2016 CRC Chapter R337, for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

The product recognized in this supplement has not been evaluated for compliance with the International Wildland-Urban Interface Code®.

This supplement expires concurrently with the evaluation report, reissued March 2020.





### **ICC-ES Evaluation Report**

# **ESR-4332 FBC Supplement**

Reissued March 2020

This report is subject to renewal March 2022.

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:

SMART PRODUCT INNOVATIONS, INC.

**EVALUATION SUBJECT:** 

FREEDOM FLOOD VENT™ AUTOMATIC FOUNDATION FLOOD VENT: MODEL FFV-1608

#### 1.0 REPORT PURPOSE AND SCOPE

#### Purpose:

The purpose of this evaluation report supplement is to indicate that Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, recognized in ICC-ES master evaluation report ESR-4332, has also been evaluated for compliance with the codes noted below.

#### Applicable code editions:

- 2017 Florida Building Code—Building
- 2017 Florida Building Code—Residential

#### 2.0 CONCLUSIONS

The Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4332, complies with the Florida Building Code-Building and the Florida Building Code-Residential, provided the design and installation are in accordance with the International Building Code® (IBC) provisions noted in the master report.

Use of the Freedom Flood Vent™ Automatic Foundation Flood Vent: Model FFV-1608 has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the Florida Building Code—Building and the Florida Building Code—Residential.

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 the Commission).

This supplement expires concurrently with the evaluation report, reissued March 2020.

