



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

CaptiveAire Systems, Inc.
4641 Paragon Park Road
Raleigh, NC 27616

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series EMUA/GV, GVS and 103CAPASYB-2R Steel and Aluminum Gravity Vents

APPROVAL DOCUMENT: Drawing No. **GRAVITY**, titled "Gravity Vents", sheets 1 through 12 of 12, dated 07/17/2015, with revision 3 dated 07/14/2023, prepared by CaptiveAire Systems, Inc., signed and sealed by Wayne K. Helmila, P.E. on 03/07/2024, bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, one of the following manufacturing locations: Youngsville, NC; Muskogee, OK; Redding, CA; West Union, IA; Bedford, PA; Groveland, FL; Indianapolis, IN, model/ series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 21-1007.01 and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5 and E-6, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



03/27/24

NOA No. 24-0104.08
Expiration Date: November 3, 2026
Approval Date: April 4, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA's

A. DRAWINGS “Submitted under NOA # 14-1224.11”

1. Drawing No. **GRAVITY**, titled “Gravity Vents”, sheets 1 through 11 of 11, dated 07/17/2015, prepared by CaptiveAire Systems, Inc, signed and sealed by L. David Rice, P.E. on 10/11/2016.

B. TESTS “Submitted under NOA # 14-1224.11”

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Models EMUA/GV10 Gravity Vents, prepared by Intertek/ATI, Test Report No. **E1559.02-109-18**, dated 02/03/2016, with revision 1 dated 02/29/2016, signed and sealed by Joseph A. Reed, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Models GV36, prepared by Intertek/ATI, Test Report No. **E6468.01-109-18**, dated 05/11/2015, with revision 1 dated 02/18/2016, signed and sealed by Joseph A. Reed, P.E.
3. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Models GVS 1113 Gravity Vents, prepared by Intertek/ATI, Test Report No. **F4045.01-109-18**, dated 02/18/2016, signed and sealed by Joseph A. Reed, P.E.
4. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Models GVS 36 Gravity Vents, prepared by Intertek/ATI, Test Report No. **E5134.02-109-18**, dated 02/17/2016, signed and sealed by Joseph A. Reed, P.E.
5. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Models 103CAPASYB08-2R Gravity Vents, prepared by Intertek/ATI, Test Report No. **E5136.02-109-18**, dated 02/17/2016, signed and sealed by Joseph A. Reed, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0104.08
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (Continued) “Submitted under NOA # 14-1224.11”

6. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Models 103CAPASYB16-2R Gravity Vents, prepared by Intertek/ATI, Test Report No. **E5137.02-109-18**, dated 02/17/2016, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS “Submitted under NOA # 14-1224.11”

1. Anchor verification calculations prepared by Rice Engineering, dated 10/11/2016, signed and sealed by L. David Rice, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS “Submitted under NOA # 14-1224.11”

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Rice Engineering, dated 10/11/2016, signed and sealed by L. David Rice, P.E.
2. Statement letters of no financial interest issued by Rice Engineering, dated 10/11/2016, signed and sealed by L. David Rice, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0104.08
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 18-0118.10

A. DRAWINGS

1. Drawing No. **GRAVITY**, titled "Gravity Vents", sheets 1 through 11 of 11, dated 07/17/2015, with revision **1** dated 11/27/2017, prepared by CaptiveAire Systems, Inc, signed and sealed by Wayne K. Helmila, P.E. on 12/13/2017.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations prepared by Rice Engineering, dated 12/13/2017, signed and sealed by Wayne K. Helmila, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to **FBC 6th Edition (2017)**, dated December 12, 2017, issued by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0104.08
Expiration Date: November 3, 2026
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under NOA # 19-0717.05

A. DRAWINGS

1. Drawing No. **GRAVITY**, titled “Gravity Vents”, sheets 1 through 12 of 12, dated 07/17/2015, with revision 2 dated 03/26/2019, prepared by CaptiveAire Systems, Inc., signed and sealed by Wayne K. Helmila, P.E. on 06/06/2019.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. None.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0104.08
Expiration Date: November 3, 2026
Approval Date: April 4, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence submitted under NOA # 21-0318.07

A. DRAWINGS

1. Drawing No. **GRAVITY Rev 2**, titled “Gravity Vents”, sheets 1 through 12 of 12, dated 07/17/2015 and last revised on MAR 10, 2021, prepared by CaptiveAire Systems, Inc., signed and sealed by Wayne K. Helmila, P.E.
Note: This revision is for FBC 2020 (7th Edition) update only.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations prepared by Rice Engineering, dated 03/10/2021, signed and sealed by Wayne K. Helmila, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to **FBC 7th Edition (2020)**, dated March 10, 2021, issued by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E.

G. OTHER

1. This NOA revises **NOA # 19-0717.05** for FBC 2020 update, expiring 11/03/21.



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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Evidence submitted under NOA # 21-1007.01 and new

A. DRAWINGS

1. Drawing No. **GRAVITY**, titled “Gravity Vents”, sheets 1 through 12 of 12, dated 07/17/2015, with revision 3 dated 07/14/2023, prepared by CaptiveAire Systems, Inc., signed and sealed by Wayne K. Helmila, P.E. on 03/07/2024.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 8th Edition (2023) of the FBC, issued by Rice Engineering, dated 11/14/2023, signed and sealed by Wayne K. Helmila, P.E.
2. Statement letter of code conformance to the 7th Edition (2020) of the FBC, issued by Rice Engineering, dated 09/09/2021, signed and sealed by Wayne K. Helmila, P.E.



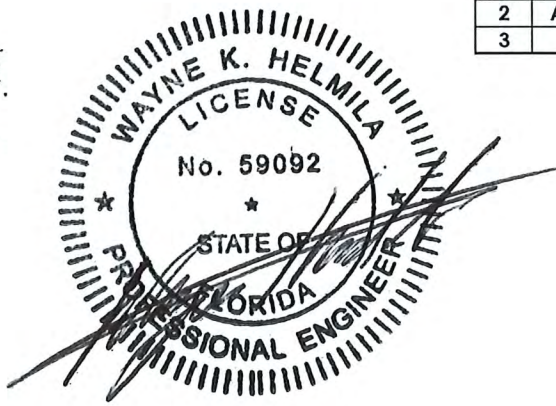
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0104.08
Expiration Date: November 3, 2026
Approval Date: April 4, 2024

Dimensional Data - Gravity Vents

General Notes:

1. This approval is for the structural capacity and impact rating of the exterior housing only; it does not include any interior mechanism or electrical part.
2. These fans have not been wind tested for Wind Driven Rain Test per Florida Building code, TAS100 (A)-95.

PRODUCT REVISED
 as complying with the Florida
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 Expiration Date 11/03/2026
 By *[Signature]*
 Miami-Dade Product Control



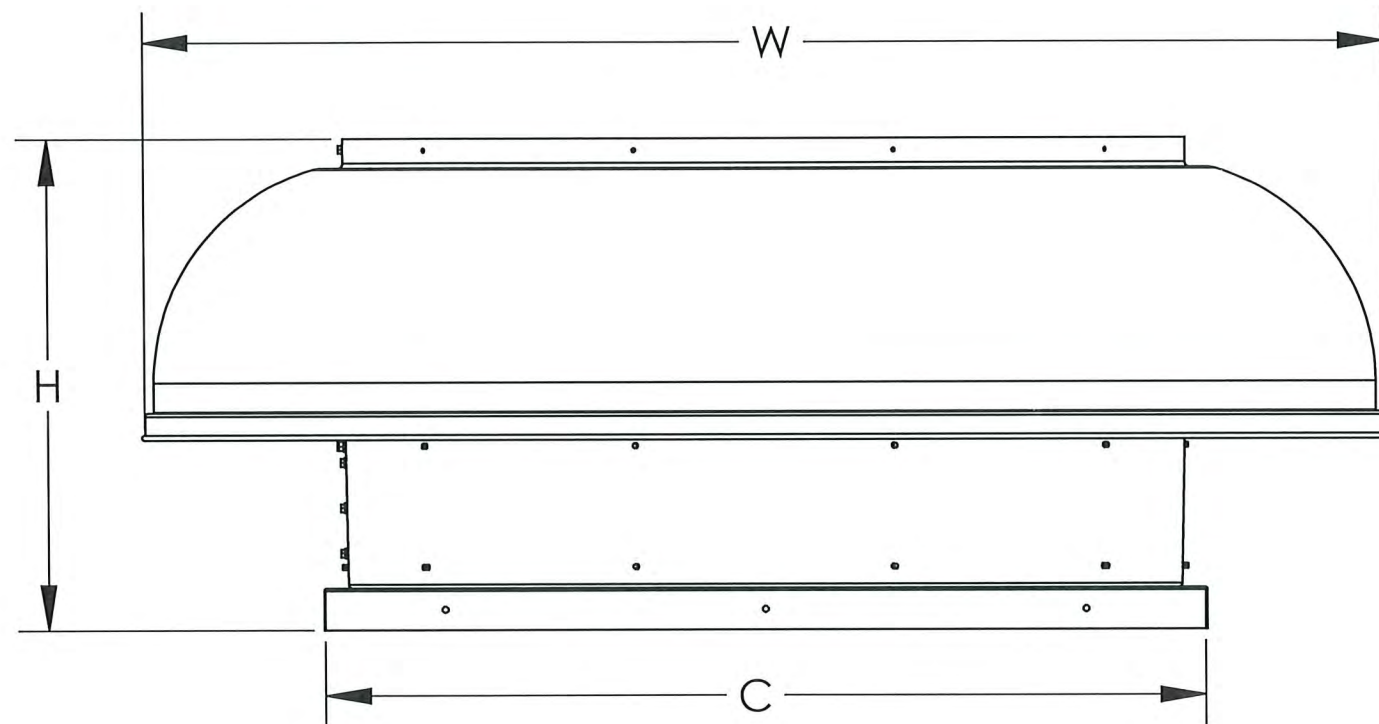
MAR 07 2024

Revision History				
#	Description	Revised by	ECN#	Date
0	Open Gravity Vent NOA	J Hess	2740	7/17/15
1	FBC 2017 /Cracked Concrete Calcs	J Hess	2997	11/27/17
2	Added Alternate Brands to Drawings	JJH	3061	3/26/19
3	Added Multiple Brands	CAG	3189	7/14/23

RICE
 ENGINEERING

105 School Creek Trail
 Luxemburg, WI 54217
 Phone: (920) 617-1042
 Fax: (920) 617-1100
 www.rice-inc.com

Florida Firm No: F-01000005061
 Certificate of Authorization: #9092
 Wayne K. Helmila
 Registration No: 59092



Gravity Vent MODEL	HT (in)	W (in)	C (in)	WEIGHT (lbs)
EMUA10	9 3/4	18 5/16	19	28
EMUA12	10 1/4	20 5/16	19	30
EMUA14	12 5/8	27 5/16	21	33
EMUA18	14 3/8	33 9/16	26	43
GV10	9 3/4	18 5/16	19	28
GV12	10 1/4	20 5/16	19	30
GV14	12 5/8	27 5/16	21	33
GV18	14 3/8	33 9/16	26	43
GV20	15 1/8	38 15/16	28	62
GV24	16 3/4	43 7/16	33	74
GV30	18 7/8	52 13/16	40	157
GV36	22 3/8	63 5/16	44	162
GVS1113	15 3/8	23 1/4	21	9 1/2
GVS15	15 3/8	27	24 3/4	13
GVS1820	15 3/8	30 1/4	28	14
GVS24	15 3/8	35 1/4	33	15
GVS30	15 3/8	42 1/4	40	17
GVS36	15 3/8	46 1/4	44	23
103CAPASYB08-2R	14	18 1/4	19	8 1/2
103CAPASYB10-2R	14	18 1/4	19	8 1/2
103CAPASYB12-2R	14	20 1/4	19	9
103CAPASYB14-2R	14	22 1/4	21	9 1/2
103CAPASYB16-2R	14	26 1/4	26	13

SEE PAGE 12 FOR ALTERNATE BRANDS

Models EMUA/ GV, 103CAPASYB-2R
 DESIGN PRESSURE: +150.0 / -150.0 PSF
 LARGE MISSILE IMPACT RESISTANT

Models GVS
 DESIGN PRESSURE: +100.0 / -100.0 PSF
 LARGE MISSILE IMPACT RESISTANT

Notes:

1. Tested in accordance to Florida Building Code test protocol TAS-201, TAS-202, TAS203.
2. Tested for areas including high velocity hurricane zones.
3. Tested under Miami-Dade County Notification number ATI 15086, 15028, 15084, 15085, 15082, 15083.

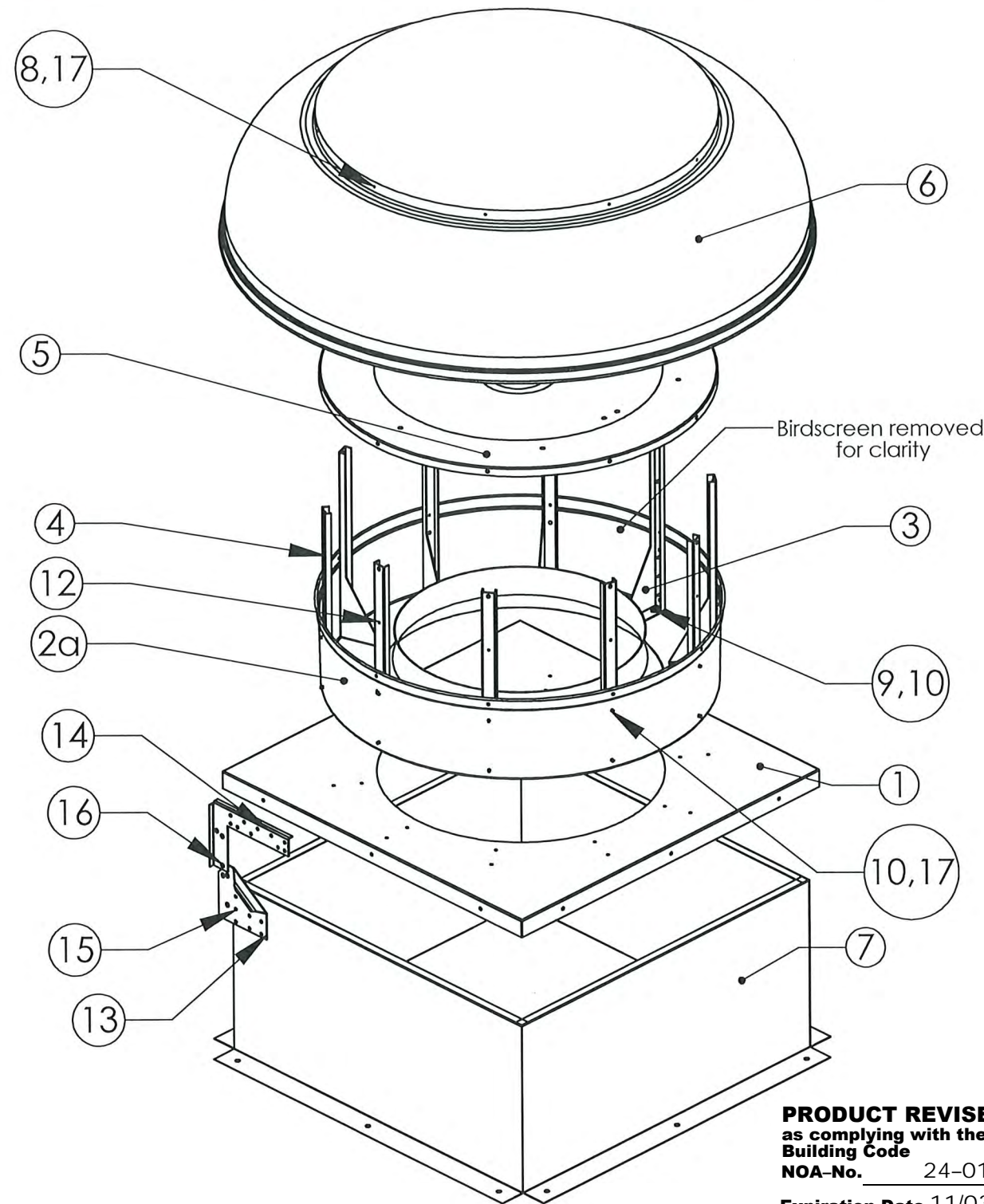
CaptiveAire, Inc. commercial kitchen ventilation
 4641 Paragon Park Road, Raleigh, NC 27616
 P 800.334.925 | F 919.227.5994

Material: N/A	Part Number: N/A	Unless Otherwise Specified Dimensions are in Inches. Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°
Blank Size: N/A x N/A	MACOLA Number: N/A	
Weight: N/A lbs	Drawing Name: Gravity Vent	
	Drawn By: N Perry	
	Drawing Number: GRAVITY 01	
	Sheet: 1 of 12	



Dimensional Data - GV/EMUA Series

Revision History				
#	Description	Revised by	ECN#	Date
0	Open Gravity Vent NOA	J Hess	2740	7/27/15
1	FBC 2017 /Cracked Concrete Calcs	J Hess	2997	11/27/17
2	Added Alternate Brands to Drawings	JJH	3061	3/26/19
3	Changed 16GA Curb to 18GA Galv.	JJH	--	3/8/21
4	Added Multiple Brands	CAG	3189	7/14/23



Item Number	Description of Part	Material
1a	Base (sizes 10-14)	20 Ga. Galvanized G90
1b	Base (sizes 18-24)	18 Ga. Galvanized G90
1c	Base (sizes 30-36)	16 Ga. Galvanized G90
2a	Baffle / Wrapper	.080 Aluminum 1100-0
2b	Airshaft (EMUA/GV10 not shown)	18 Ga. Galvanized G90
3	Gusset (size 36 only)	12 Ga. Galvanized G90
4a	Vertical Support (sizes 10-14)	14 Ga. Galvanized G90
4b	Vertical Support (sizes 18-24)	14 Ga. Galvanized G90
4c	Vertical Support (sizes 30-36)	12 Ga. Galvanized G90
5	Top Plate	16 Ga. Galvanized G90
6	Vent Hood	.090 Aluminum 1100-0
7	Curb (Up to 20" Height)	20 Ga. Aluminized / Galv. Steel
7	Curb (20+" to 42" Height)	18 Ga. Aluminized / Galv. Steel
8	#8 x 1/2 Self Tapping Screws (Not Shown)	Zinc Coated Steel
9	1/4" - 20 X 1" Whiz Bolt	Zinc Coated Steel
10	1/4" - 20Whiz Nut	Zinc Coated Steel
11	1/4" - 20 Acorn Nuts (Not Shown)	Zinc Coated Steel
12	1/4" X 1-1/2" Self Tap Screw / Nylon Washer	Zinc Coated Steel / Nylon
13	Curb Plate Left / Right (Hinge Kit)	10 Ga. Galvanized G90
14	Fan Plate Left / Right (Hinge Kit)	10 Ga. Galvanized G90
15	1/4" - 20 x 3/4" hex head bolts	Zinc Coated Steel
16	3/8" - 16 x 1-1/2" bolt	Zinc Coated Steel
17	1/4" - 20 x 3/4" PEM studs	Zinc Coated Steel
18	3/16" Rivet	Zinc Coated Steel
19	1/4" - 20 X 1-1/8" Standoff	Zinc Coated Steel
20	1/4" Steel Washer	Zinc Coated Steel

PRODUCT REVISED
 as complying with the Florida
 Building Code
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 Expiration Date 11/03/2026
 By *[Signature]*
 Miami-Dade Product Control



RICE
 ENGINEERING
 105 School Creek Trail
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 Phone: (920) 617-1042
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 www.rice-inc.com
 Florida Firm No: F-01000005061
 Certificate of Authorization: #9090
 Wayne K. Helmila
 Registration No: 59092

- Notes:
1. Tested in accordance to Florida Building Code test protocol TAS-201, TAS-202, TAS203.
 2. Tested for areas including high velocity hurricane zones.
 3. Tested under Miami-Dade County Notification number ATI 15086, 15028, 15084, 15085, 15082, 15083.

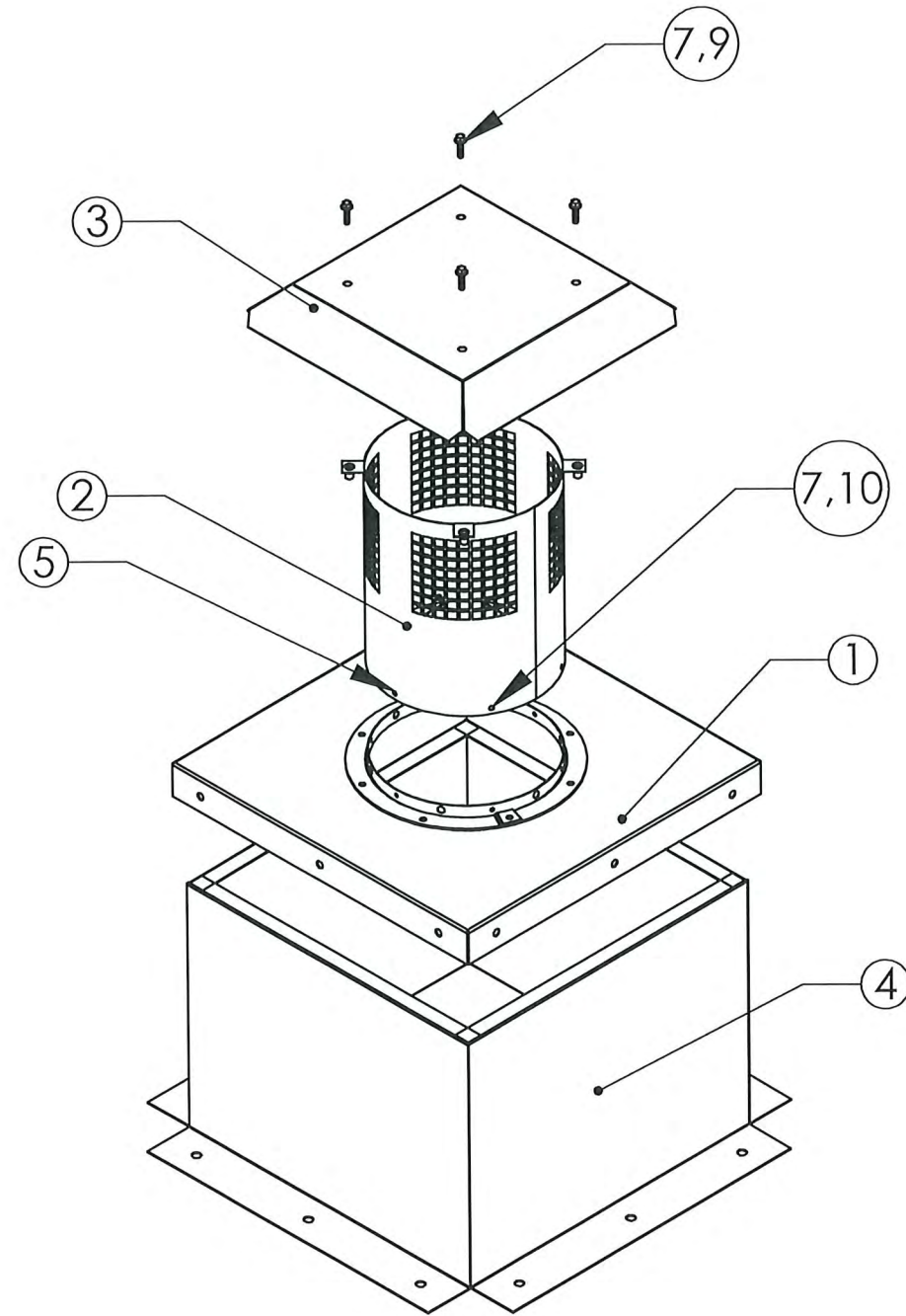
CaptiveAire, Inc. commercial kitchen ventilation
 4641 Paragon Park Road, Raleigh, NC 27616
 P 800.334.925 | F 919.227.5994

Material: N/A	Part Number: N/A	Unless Otherwise Specified Dimensions are in Inches. Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°
Blank Size: N/A x N/A	MACOLA Number: N/A	
Weight: N/A lbs	Drawing Name: Gravity Vent	
	Drawn By: N Perry	
	Drawing Number: GRAVITY 02	
	Sheet: 2 of 12	



Dimensional Data - 103CAPASYB-2R Series

Revision History				
#	Description	Revised by	ECN#	Date
0	Open Gravity Vent NOA	J Hess	2740	7/27/15
1	FBC 2017 /Cracked Concrete Calcs	J Hess	2997	11/27/17
2	Added Alternate Brands to Drawings	JJH	3061	3/26/19
3	Changed 16GA Curb to 18GA Galv.	JJH	--	3/8/21
4	Added Multiple Brands	CAG	3189	7/14/23



Item Number	Description Of Part	Material
1	Base	20 Ga. 430 SS
2	Baffle / Wrapper	20 Ga. 430 SS
3	Steel Vent Hood	20 Ga. 430 SS
4	Curb (Up to 20" Height)	20 Ga. Aluminized / Galv. Steel
4	Curb (20+\" to 42" Height)	18 Ga. Aluminized / Galv. Steel
5	3/16" Rivet	Zinc Coated Steel
6	Silco 400 Deg. Sealant (Not Shown)	Silver Silicone
7	1/4"-20 X 1" Whiz Bolt	Zinc Coated Steel
8	1/4"-20 Rivsert	Zinc Coated Steel
9	1/4" Washer	Zinc Coated Steel
10	1/4" Whiz Nut	Zinc Coated Steel

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 By [Signature]
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Notes:

1. Tested in accordance to Florida Building Code test protocol TAS-201, TAS-202, TAS203.
2. Tested for areas including high velocity hurricane zones.
3. Tested under Miami-Dade County Notification number ATI 15086, 15028, 15084, 15085, 15082, 15083.

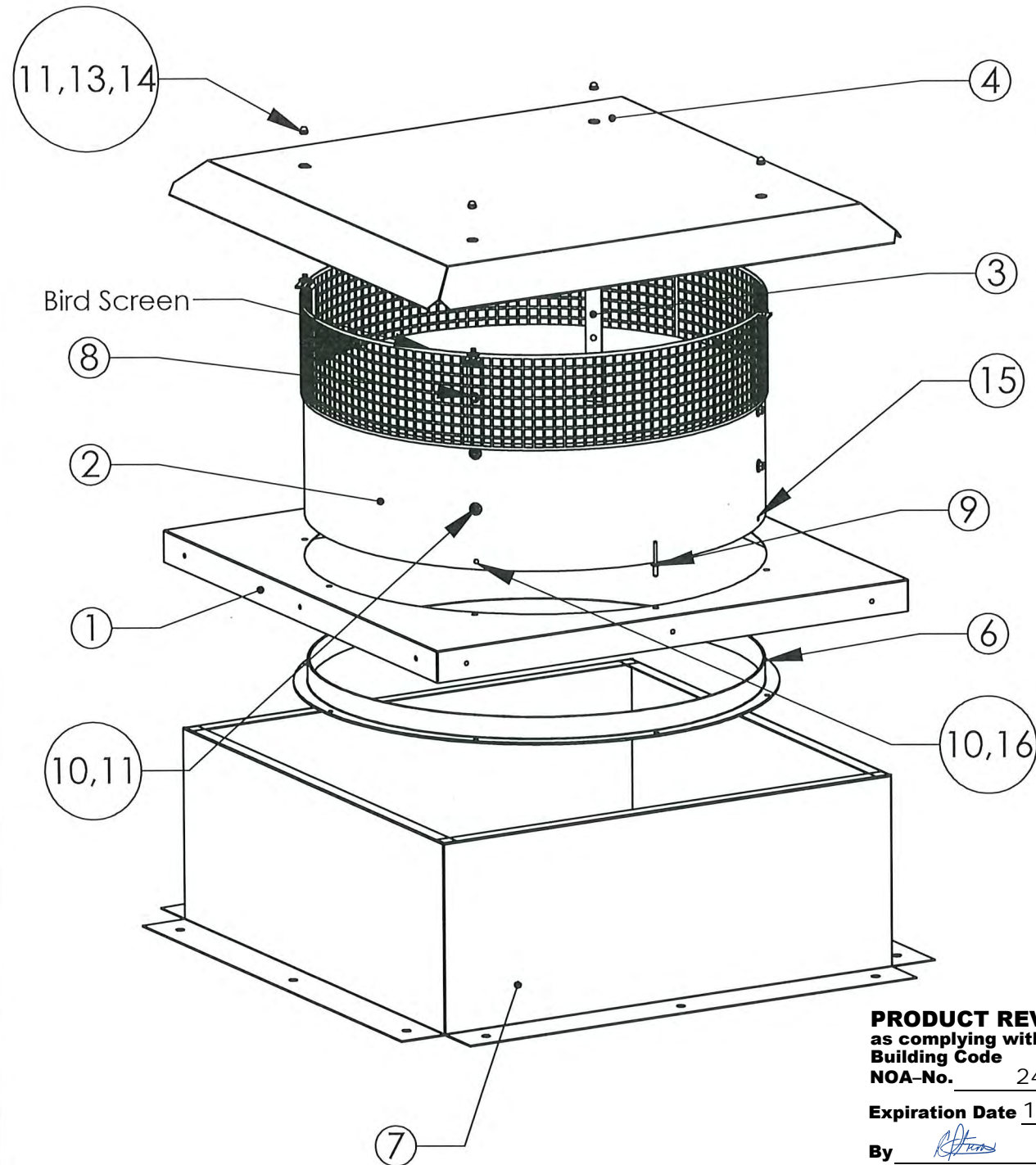
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Material:	Part Number:	Unless Otherwise Specified Dimensions are in Inches. Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°
Blank Size: x	MACOLA Number:	
Weight: lbs	Drawing Name: Gravity Vent	
	Drawn By:	
	Drawing Number: GRAVITY 03	
	Sheet: 3 of 12	



Dimensional Data - GVS Series

Revision History				
#	Description	Revised by	ECN#	Date
0	Open Gravity Vent NOA	J Hess	2740	7/27/15
1	FBC 2017 /Cracked Concrete Calcs	J Hess	2997	11/27/17
2	Added Alternate Brands to Drawings	JJH	3061	3/26/19
3	Changed 16GA Curb to 18GA Galv.	JJH	--	3/8/21
4	Added Multiple Brands	CAG	3189	7/14/23



Item Number	Description Of Part	Material
1	Base	20 Ga. Galvanized G90
2	Baffle / Wrapper	20 Ga. Galvanized G90
3	Vertical Support	14 Ga. Galvanized G90
4	Steel Vent Hood	20 Ga. Galvanized G90
5	Vent Hood Corner (not shown)	20 Ga. Galvanized G90
6	Ring	1/8 x 1 x 1" Alum. Angle
7	Curb (Up to 20" Height)	20 Ga. Aluminized / Galv. Steel
7	Curb (20+" to 42" Height)	18 Ga. Aluminized / Galv. Steel
8	1/4"-20 X 1-1/2" Self Tapping Hex Screw	Zinc Coated Steel
9	1/4" SSPI Rivet	Zinc Coated Steel
10	1/4"-20 Whiz Nuts	Zinc Coated Steel
11	1/4"-20 X 3/4" PEM Stud	Zinc Coated Steel
12	Silco 400 Deg. Sealant (Not Shown)	Silver Silicone
13	1/4"-20 Acorn Nut	Zinc Coated Steel
14	1/4" Washer	Zinc Coated Steel
15	3/16" Rivet	Zinc Coated Steel
16	1/4-20 X 1" Whiz bolt	Zinc Coated Steel

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RICE ENGINEERING

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Notes:

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2. Tested for areas including high velocity hurricane zones.
3. Tested under Miami-Dade County Notification number ATI 15086, 15028, 15084, 15085, 15082, 15083.

Material: N/A	Part Number: See Above	Unless Otherwise Specified Dimensions are in Inches. Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°
Blank Size: N/A x N/A	MACOLA Number: N/A	
Weight: N/A	Drawing Name: Gravity Vent	
	Drawn By: N Perry	
	Drawing Number: GRAVITY 04	
	Sheet: 4 of 12	



Dimensional Data - Gravity Vents

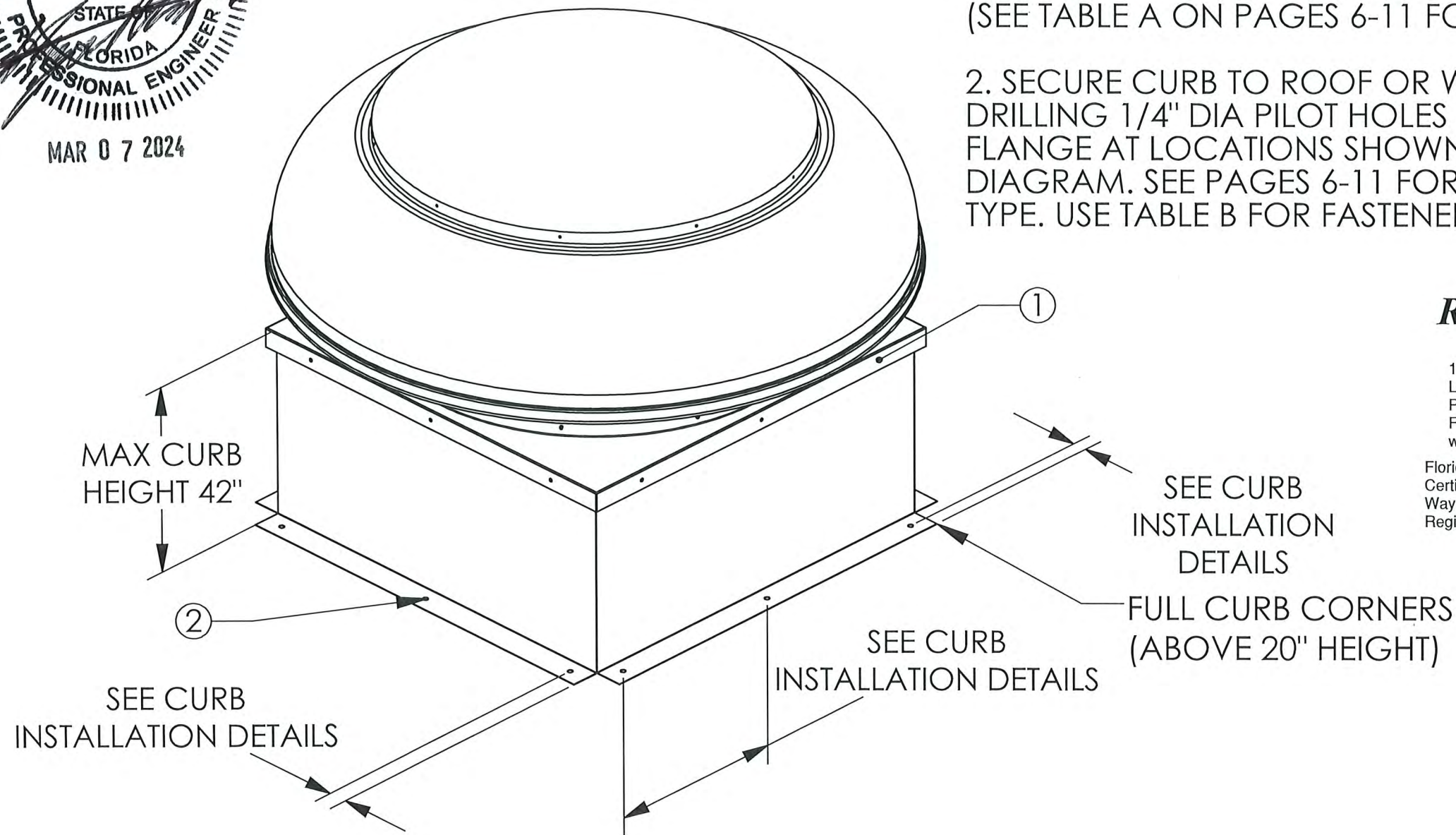


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 By *R. Perry*
 Miami-Dade Product Control

Revision History				
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0	Open Gravity Vent NOA	J Hess	2740	7/27/15
1	FBC 2017 /Cracked Concrete Calcs	J Hess	2997	11/27/17
2	Added Alternate Brands to Drawings	JJH	3061	3/26/19
3	Changes to Full Curb Corners	JJH	--	3/8/21
4	Added Multiple Brands	CAG	3189	7/14/23

1. SECURE FAN BASE TO CURB USING 5/16"-18 X 2" ZINC PLATED STEEL SELF DRILLING SCREWS (ELCO DRIL-FLEX OR BETTER) THROUGH PRE-PUNCHED HOLES IN THE FAN BASE. (SEE TABLE A ON PAGES 6-11 FOR QTY).

2. SECURE CURB TO ROOF OR WALL BY DRILLING 1/4" DIA PILOT HOLES IN THE CURB FLANGE AT LOCATIONS SHOWN IN THE DIAGRAM. SEE PAGES 6-11 FOR FASTENER TYPE. USE TABLE B FOR FASTENER QTY.



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 Florida Firm No: F-01000005061
 Certificate of Authorization: #9090
 Wayne K. Helmila
 Registration No: 59092

Notes:

1. Tested in accordance to Florida Building Code test protocol TAS-201, TAS-202, TAS203.
2. Tested for areas including high velocity hurricane zones.
3. Tested under Miami-Dade County Notification number ATI 15086, 15028, 15084, 15085, 15082, 15083.

CaptiveAire, Inc. commercial kitchen ventilation
 4641 Paragon Park Road, Raleigh, NC 27616
 P 800.334.925 | F 919.227.5994

Material: N/A	Part Number: N/A	Unless Otherwise Specified Dimensions are in Inches. Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°
Blank Size: N/A x N/A	MACOLA Number: N/A	
Weight: N/A lbs	Drawing Name: Gravity Vent	
	Drawn By: N Perry	
	Drawing Number: GRAVITY 05	
	Sheet: 5 of 12	

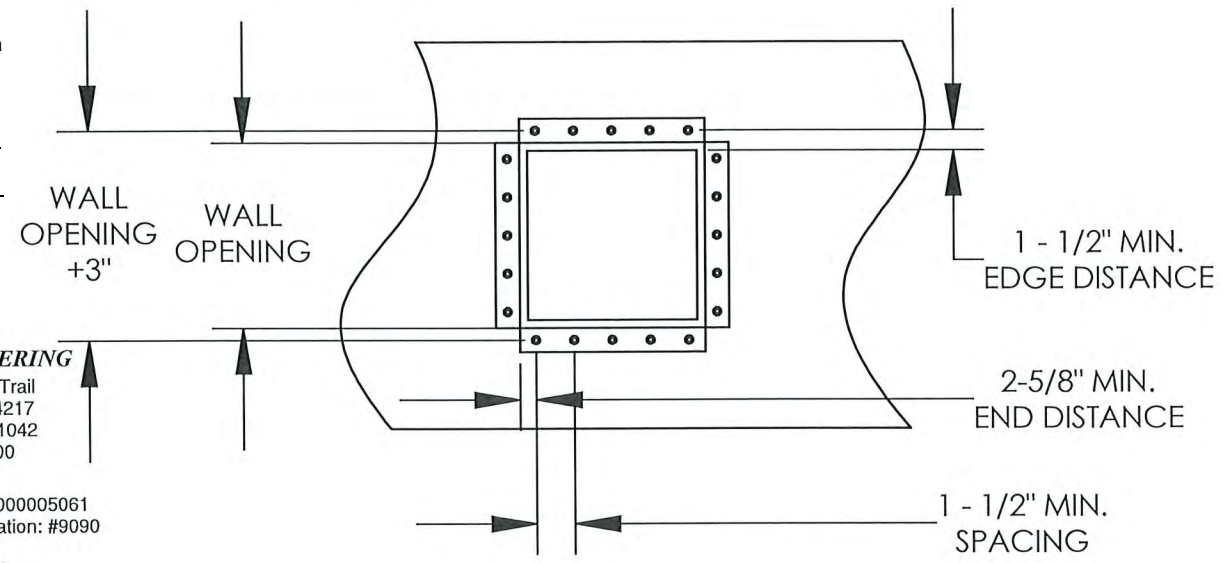


Miami-Dade County - Wall Curb Installation Guide For Wood Construction

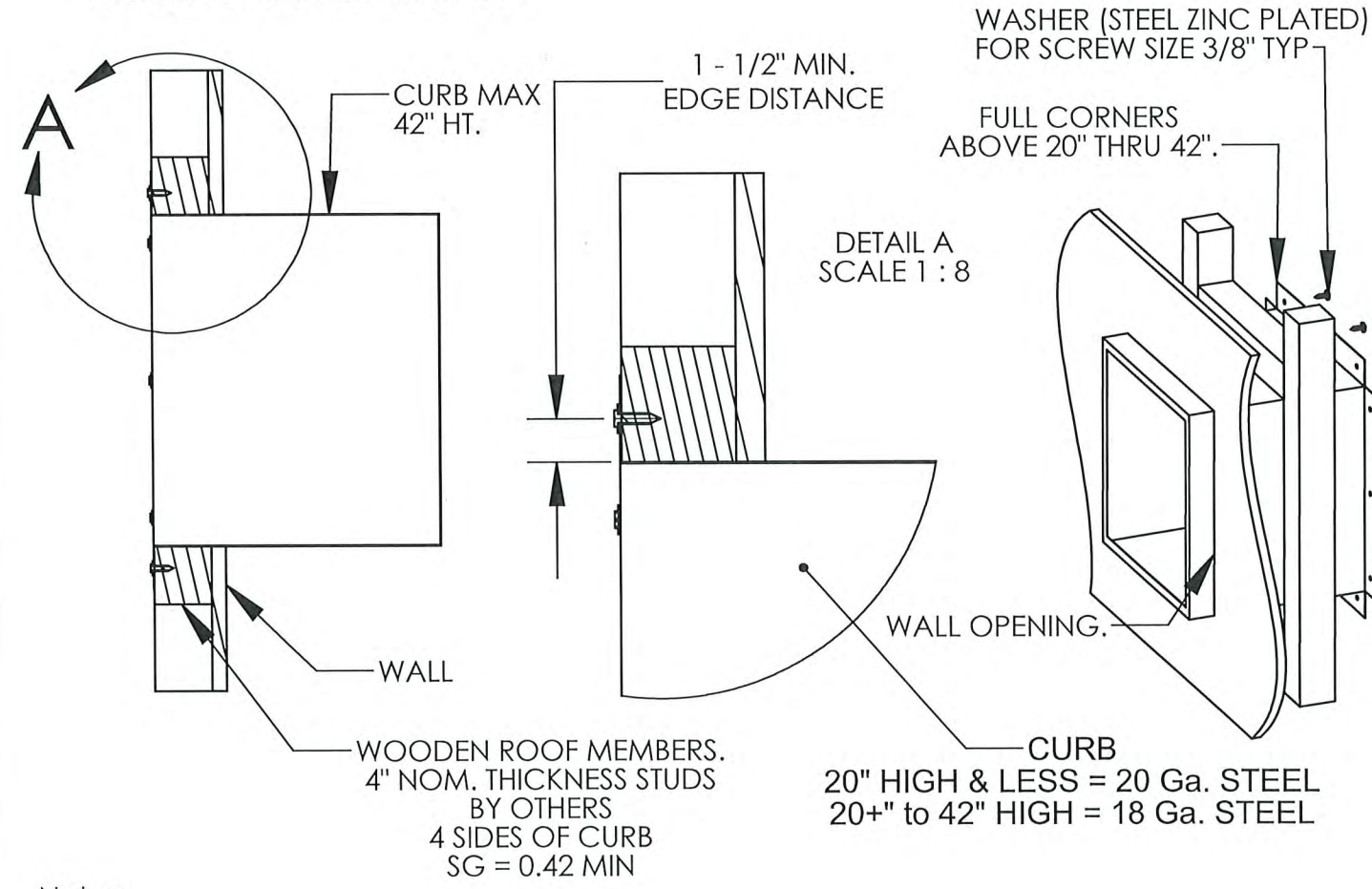
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WOODEN CONSTRUCTION



Unit Size	Base Size	Curb Size	Fasteners	
			Per Side	Total
EMUA10	19"	17 - 1/2"	3	12
EMUA12	19"	17 - 1/2"	3	12
EMUA14	21"	19 - 1/2"	3	12
EMUA18	26"	24 - 1/2"	3	12
GV10	19"	17 - 1/2"	3	12
GV12	19"	17 - 1/2"	3	12
GV14	21"	19 - 1/2"	3	12
GV18	26"	24 - 1/2"	3	12
GV20	28"	26 - 1/2"	3	12
GV24	33"	31 - 1/2"	3	12
GV30	40"	38 - 1/2"	N/A	
GV36	44"	42 - 1/2"	N/A	
GVS1113	21"	19 - 1/2"	3	12
GVS15	24 - 1/2"	23"	3	12
GVS1820	28"	26 - 1/2"	3	12
GVS24	33"	31 - 1/2"	3	12
GVS30	40"	38 - 1/2"	N/A	
GVS36	44"	42 - 1/2"	N/A	
103CAPASYB08-2R	19"	17 - 1/2"	3	12
103CAPASYB10-2R	19"	17 - 1/2"	3	12
103CAPASYB12-2R	19"	17 - 1/2"	3	12
103CAPASYB14-2R	21"	19 - 1/2"	3	12
103CAPASYB16-2R	26"	24 - 1/2"	3	12

TABLE B: CURB TO WALL	
WOOD	
Per Side	Total
3	12
3	12
4	16
4	16
3	12
3	12
4	16
4	16
4	16
5	20
N/A	
N/A	
3	12
3	12
3	12
3	12
3	12
3	12

SEE PAGE 12 FOR ALTERNATE BRANDS



- Notes:
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 2. Tested for areas including high velocity hurricane zones.
 3. Tested under Miami-Dade County Notification number ATI 15086, 15028, 15084, 15085, 15082, 15083.

Material: N/A	Part Number: N/A	Unless Otherwise Specified Dimensions are in Inches. Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°
Blank Size: N/A x N/A	MACOLA Number: N/A	
Weight: N/A lbs	Drawing Name: Gravity Vent	
	Drawn By: N Perry	
	Drawing Number: GRAVITY 09	
	Sheet: 9 of 12	



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STEEL CONSTRUCTION

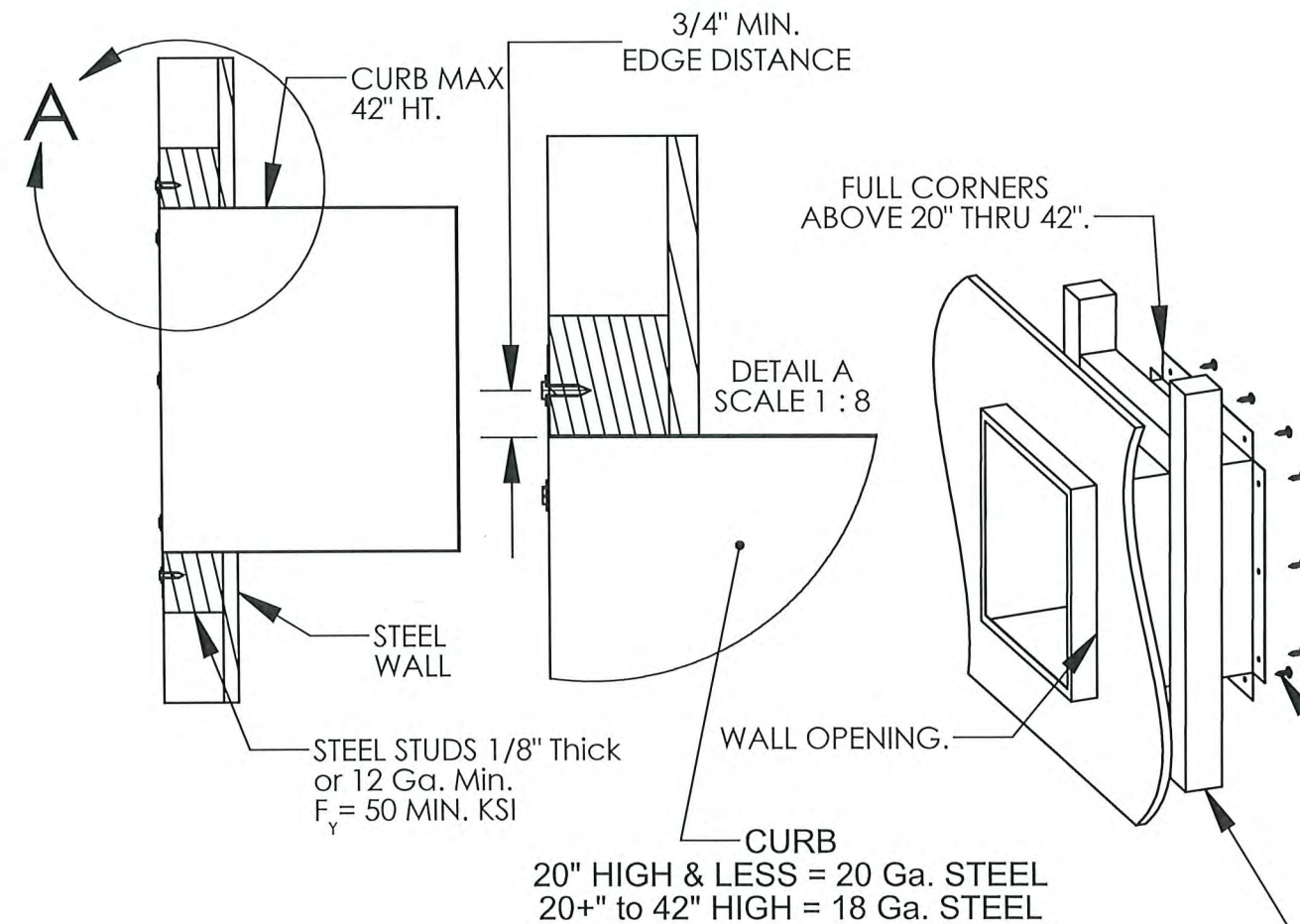
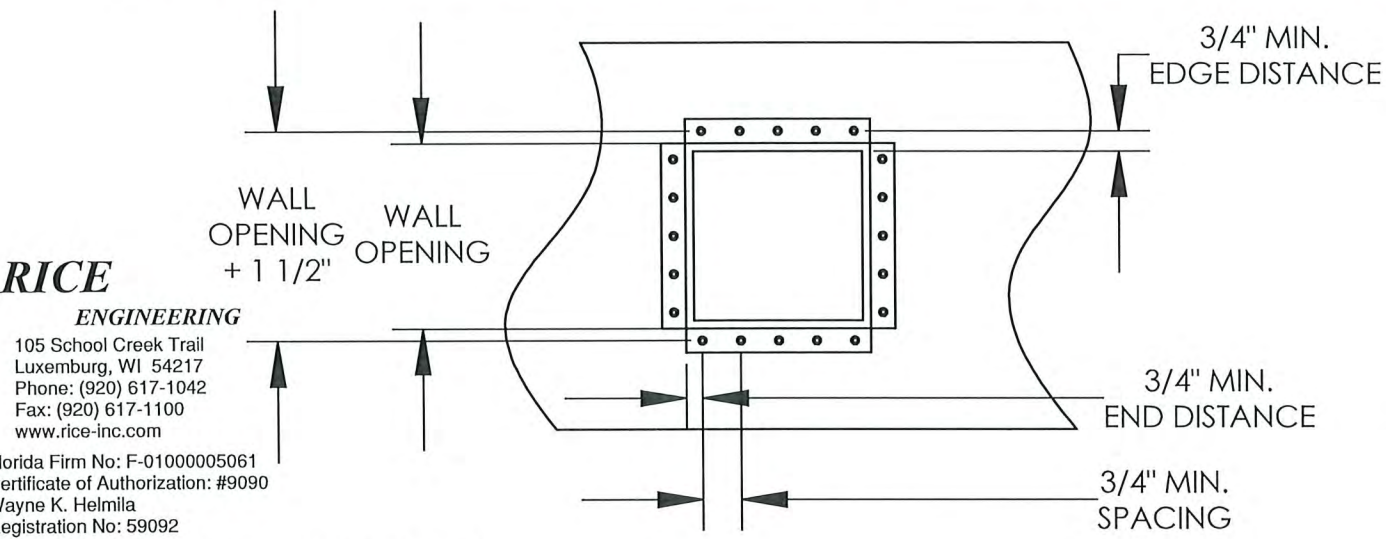
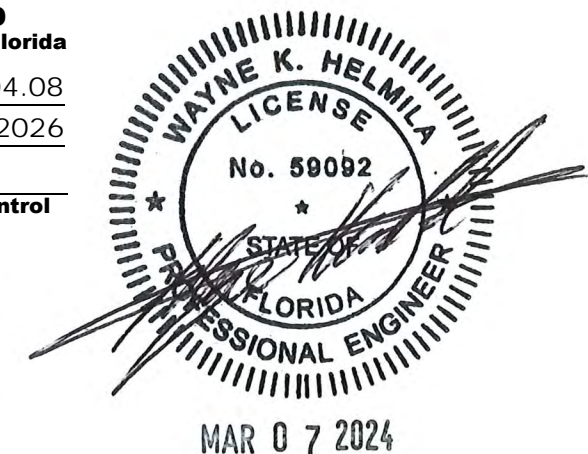


TABLE A: FAN TO CURB				
Unit Size	Base Size	Curb Size	Fasteners	
			Per Side	Total
EMUA10	19"	17 - 1/2"	3	12
EMUA12	19"	17 - 1/2"	3	12
EMUA14	21"	19 - 1/2"	3	12
EMUA18	26"	24 - 1/2"	3	12
GV10	19"	17 - 1/2"	3	12
GV12	19"	17 - 1/2"	3	12
GV14	21"	19 - 1/2"	3	12
GV18	26"	24 - 1/2"	3	12
GV20	28"	26 - 1/2"	3	12
GV24	33"	31 - 1/2"	3	12
GV30	40"	38 - 1/2"	N/A	
GV36	44"	42 - 1/2"	N/A	
GVS1113	21"	19 - 1/2"	3	12
GVS15	24 - 1/2"	23"	3	12
GVS1820	28"	26 - 1/2"	3	12
GVS24	33"	31 - 1/2"	3	12
GVS30	40"	38 - 1/2"	N/A	
GVS36	44"	42 - 1/2"	N/A	
103CAPASYB08-2R	19"	17 - 1/2"	3	12
103CAPASYB10-2R	19"	17 - 1/2"	3	12
103CAPASYB12-2R	19"	17 - 1/2"	3	12
103CAPASYB14-2R	21"	19 - 1/2"	3	12
103CAPASYB16-2R	26"	24 - 1/2"	3	12

TABLE B: CURB TO WALL	
STEEL	
Per Side	Total
3	12
3	12
3	12
3	12
3	12
3	12
3	12
3	12
4	16
4	16
N/A	
N/A	
3	12
3	12
3	12
N/A	
N/A	
3	12
3	12
3	12
3	12
3	12

SEE PAGE 12 FOR ALTERNATE BRANDS

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1/4"-14 DRIL-FLEX SELF DRILLING SCREWS
 MIN. 1/2" THROUGH 12 GA MIN. STEEL
 F_y = 50 MIN. KSI
 4 SIDES OF CURB
 SEAL WITH PROSOCO LIQUID FLASHING
 IF FASTENERS ARE EXPOSED TO
 EXTERIOR CONDITIONS. SEE CHART
 STEEL STUDS 1/8" Thick
 or 12 Ga. Min.
 F_y = 50 MIN. KSI

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Material: N/A	Part Number: N/A	Unless Otherwise Specified Dimensions are in Inches.
Blank Size: N/A x N/A	MACOLA Number: N/A	
Weight: N/A lbs	Drawing Name: Gravity Vent	
	Drawn By: N Perry	
	Drawing Number: GRAVITY 11	
	Sheet: 11 of 12	Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°



ALTERNATE BRANDS

<u>GRAVITY VENTS</u>
<u>CAS FAN MODEL</u>
EMUA10
EMUA12
EMUA14
EMUA18
GV10
GV12
GV14
GV20
GV24
GV30
GV36
GVS1113
GVS15
GVS1820
GVS24
GVS30
GVS36
103CAPASYB08-2R
103CAPASYB10-2R
103CAPASYB12-2R
103CAPASYB14-2R
103CAPASYB16-2R

RICE

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By 
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NOTE: THE DETAILED UNITS CAN BE LISTED UNDER THE FOLLOWING ALTERNATE BRANDS: ADVANCED HOOD SYSTEMS (AH-), AEROLATOR (AR-), AQUAMTIC (AM), ECON AIR (EA), FLOAIRE (FA), GREASEMASTER (GM), K-TECH (K), LDI (LA-), RUPP AIR (-RA), STRATOVENT (SV-), SUNAIR (SA-), THERMOTEK (TH), AND VENTILATION DIRECT (VX).

Material: N/A	Part Number: N/A	Unless Otherwise Specified Dimensions are in Inches. Standard Tolerances are: Fractions: ±1/16 Decimal: .XX±.05 .XXX±.015 Angles: ±1°
Blank Size: N/A	MACOLA/AX Number: N/A	
Weight: N/A	Drawing Name: Gravity Vent	
<h1>CONFIDENTIAL</h1>	Drawn By: JJH	
	Parent Assembly: GRAVITY 12	
	Sheet: 12 of 12	

