



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

Greenheck Fan Corporation
P.O. Box 410
Schofield, WI 54476

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 Vektor-H/HS Steel Rooftop Exhaust Fans

APPROVAL DOCUMENT: Drawing No. **VK-H-3001**, titled "Vektor-H 9-36, Vektor-HS 9-36", sheets 1 through 10 of 10, dated 01/09/2024, prepared by Greenheck Fan Corporation, signed and sealed by Wayne K. Helmila, P.E., 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, city, state, 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 # 24-0123.02** 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 **Ishaq I. Chanda, P.E.**

Ishaq I. Chanda



NOA No. 26-0908.05
Expiration Date: August 28, 2029
Approval Date: October 08, 2026
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under NOA #14-0325.05

A. DRAWINGS

1. Drawing No. **VK-H-1001**, titled "Vektor-H 9-36, Vektor-HS 9-36", sheets 1 through 10 of 10, dated 01/2014, prepared by Greenheck Fan Corporation, signed and sealed by L. David Rice, P.E.

B. TESTS

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) ASTM E72 (Modified)
along with marked-up drawings and installation diagram of Series/Model Vektor-H/HS Laboratory Exhaust Systems, prepared by Architectural Testing, Inc., Test Report No. **C7244.01-602-18**, dated 02/14/2014, signed and sealed by Shawn G. Collins, P.E.

C. CALCULATIONS

1. Anchor verification calculations prepared by Rice Engineering, dated 02/26/2014, 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

1. Statement letter of code conformance to the 6th edition (2017) FBC issued by Rice Engineering, dated 02/21/2018, signed and sealed by Wayne K. Helmila, P.E.
2. Statement letter of no financial interest issued by Rice Engineering, dated 02/25/2014, signed and sealed by L. David Rice, P.E.
3. Laboratory compliance letter issued by Architectural Testing, Inc., for Test Reports No. **C7244.01-602-18**, dated 02/14/2014, signed and sealed by Shawn G. Collins, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 26-0908.05
Expiration Date: August 28, 2029
Approval Date: October 08, 2026

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under #18-0322.11

A. DRAWINGS

1. Drawing No. **VK-H-1001**, titled “Vektor-H 9-36, Vektor-HS 9-36”, sheets 1 through 10 of 10, dated 02/2018, prepared by Greenheck Fan Corporation, signed and sealed by Wayne K. Helmila, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor calculations prepared by Rice Engineering, dated 02/21/2018, 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 the 6th edition (2017) FBC issued by Rice Engineering, dated 02/21/2018, signed and sealed by Wayne K. Helmila, P.E.

3. Evidence submitted under previous approval.

A. DRAWINGS

1. Drawing No. **VK-H-1001**, titled “Vektor-H 9-36, Vektor-HS 9-36”, sheets 1 through 10 of 10, dated 02/2018, prepared by Greenheck Fan Corporation, signed and sealed by Wayne K. Helmila, P.E.

B. TESTS

1. None.

C. CALCULATIONS (submitted under #18-0322.11)

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 26-0908.05
Expiration Date: August 28, 2029
Approval Date: October 08, 2026

Greenheck Fan Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under previous NOA (continued)

F. STATEMENTS

1. Statement letter of code conformance to the 6th edition (2017) FBC issued by Rice Engineering, dated 05/30/2019, signed and sealed by Wayne K. Helmila, P.E.
2. Statement letter dated May 13, 2019 for Renewal with "No change", issued by Greenheck Fan Corporation, signed by Mark VanderKooy, P.E.

G. OTHER

1. This NOA renews NOA #18-0322.11, expiring 08/28/2024

4. Evidence submitted under NOA # 20-1123.07

A. DRAWINGS

1. None.

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 7th edition (2020) FBC issued by Rice Engineering, dated SEP 24, 2020, signed and sealed by Wayne K. Helmila, P.E.

G. OTHER

1. This NOA revises NOA #19-0520.03, expiring 08/28/2024.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 26-0908.05
Expiration Date: August 28, 2029
Approval Date: October 08,

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **VK-H-3001**, titled “Vektor-H 9-36, Vektor-HS 9-36”, sheets 1 through 10 of 10, dated 01/2022, prepared by Greenheck Fan Corporation, signed and sealed by Wayne K. Helmila, P.E. on 02/07/2022.

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.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 26-0908.05
Expiration Date: August 28, 2029
Approval Date: October 08, 2026

Greenheck Fan Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **VK-H-3001**, titled “Vektor-H 9-36, Vektor-HS 9-36”, sheets 1 through 10 of 10, dated 01/2022, prepared by Greenheck Fan Corporation, signed and sealed by Wayne K. Helmila, P.E. on 02/07/2022.

B. TESTS

1. None.

C. CALCULATIONS

1. Summary of design criteria, computer generated engineering analysis dated 01/09/2024, prepared by Rice Engineering, signed 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 letters of conformance to FBC 2023(8th Edition) & “Renewal with No product or drawing changes” dated 01/09/24, prepared Rice Engineering, signed sealed by Wayne K. Helmila, P.E.
2. Renewal request statement letter by Greenheck Fan Corp. “Renewal with No product or drawing changes” dated 01/09/24, prepared, signed sealed by Mark Vanderkooy, P.E. Engineering Manager.

G. OTHER

1. This NOA **revises** FBC 2023 updates & **renews** NOA # **22-0217.03**, expiring 08/28/2029.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 26-0908.05
Expiration Date: August 28, 2029
Approval Date: October 08, 2026

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

7. New Evidence submitted

A. DRAWINGS (submitted under previous approval)

1. Drawing No. **VK-H-3001**, titled “Vektor-H 9-36, Vektor-HS 9-36”, sheets 1 through 10 of 10, dated 01/2022, prepared by Greenheck Fan Corporation, signed and sealed by Wayne K. Helmila, P.E. on 02/07/2022.

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 letters of conformance to FBC 2026(**9th** Edition) & FBC 2023(**8th** Edition) dated 09/01/26, prepared Rice Engineering, signed sealed by Wayne K. Helmila, P.E.

G. OTHER

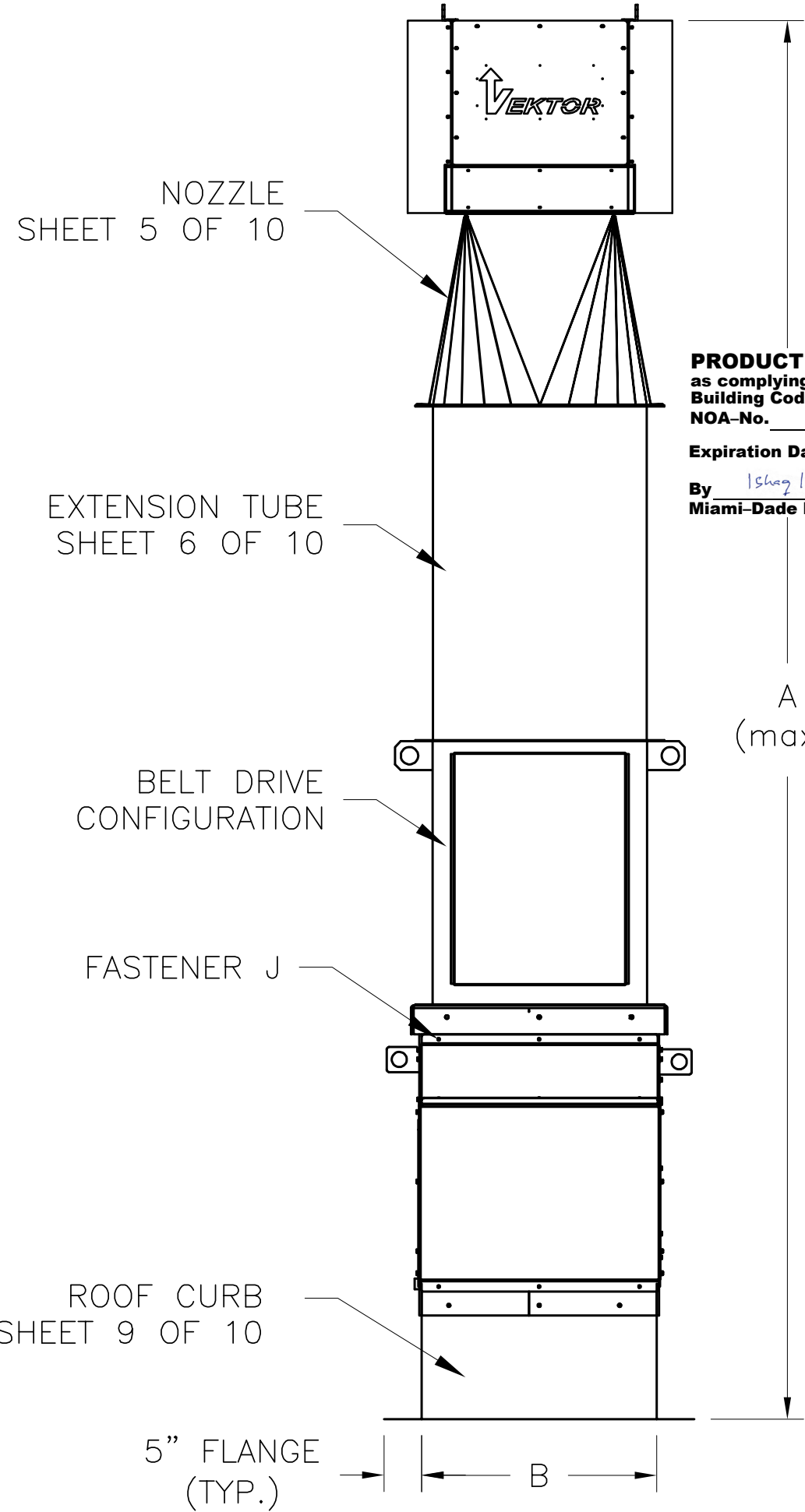
1. This NOA **revises NOA # 24-0123.02**, updates to FBC 2026, expiring 08/28/2029.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 26-0908.05
Expiration Date: August 28, 2029
Approval Date: October 08, 2026

The following pages in this document were submitted by the manufacturer (third party) to represent the product being approved and establish the limits of use. The pages may include technical drawings, schematics and installation details.

DESIGN LIMITS				UNIT	FASTENER F	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER G	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER H	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER J	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER K	BELT DRIVE QTY	DIRECT DRIVE QTY							
Max. Design Load: ±140 psf (6.7 Kpa)					DESCRIPTION			DESCRIPTION			DESCRIPTION			DESCRIPTION												
Max Overall Enclosure: 67.63 x 107.25 in. (1718 x2724 mm)				VEKTOR-H 9	SCR,CS,HH,.313-18X1,SS,316,W/EPDM,WSHR	16	16	SCR,CS,HH,.313-18X1,SS,316,W/EPDM,WSHR	16	16	SCR,CS,HH,.313-18X1,SS,316,W/EPDM,WSHR	6	24	SCR,TEK,HWH,#12-14X.875,SS,410	52	56	SCR,TCS,IHWH,.313-18X1,TYP-23,MECH ZP	12	12							
Max. Overall Unit Height: 167 in. (4242 mm)				VEKTOR-H 10																VEKTOR-H 12	VEKTOR-H 13	VEKTOR-H 14				
				VEKTOR-H 16							WSHR,FLAT,.045X.35X.745,SS,316	16	40							VEKTOR-H 18	VEKTOR-H 20	NUT,HEX,.313-18,SS,316	VEKTOR-H 22	VEKTOR-H 24	VEKTOR-H 30	VEKTOR-H 36
				VEKTOR-H 22																VEKTOR-H 24	VEKTOR-H 30		VEKTOR-H 36			

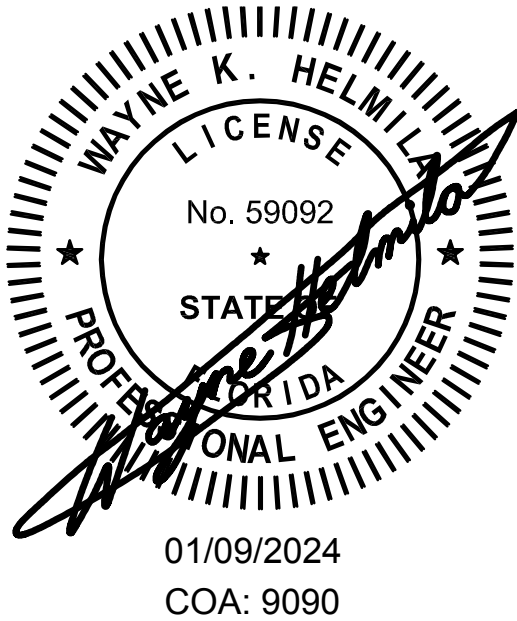
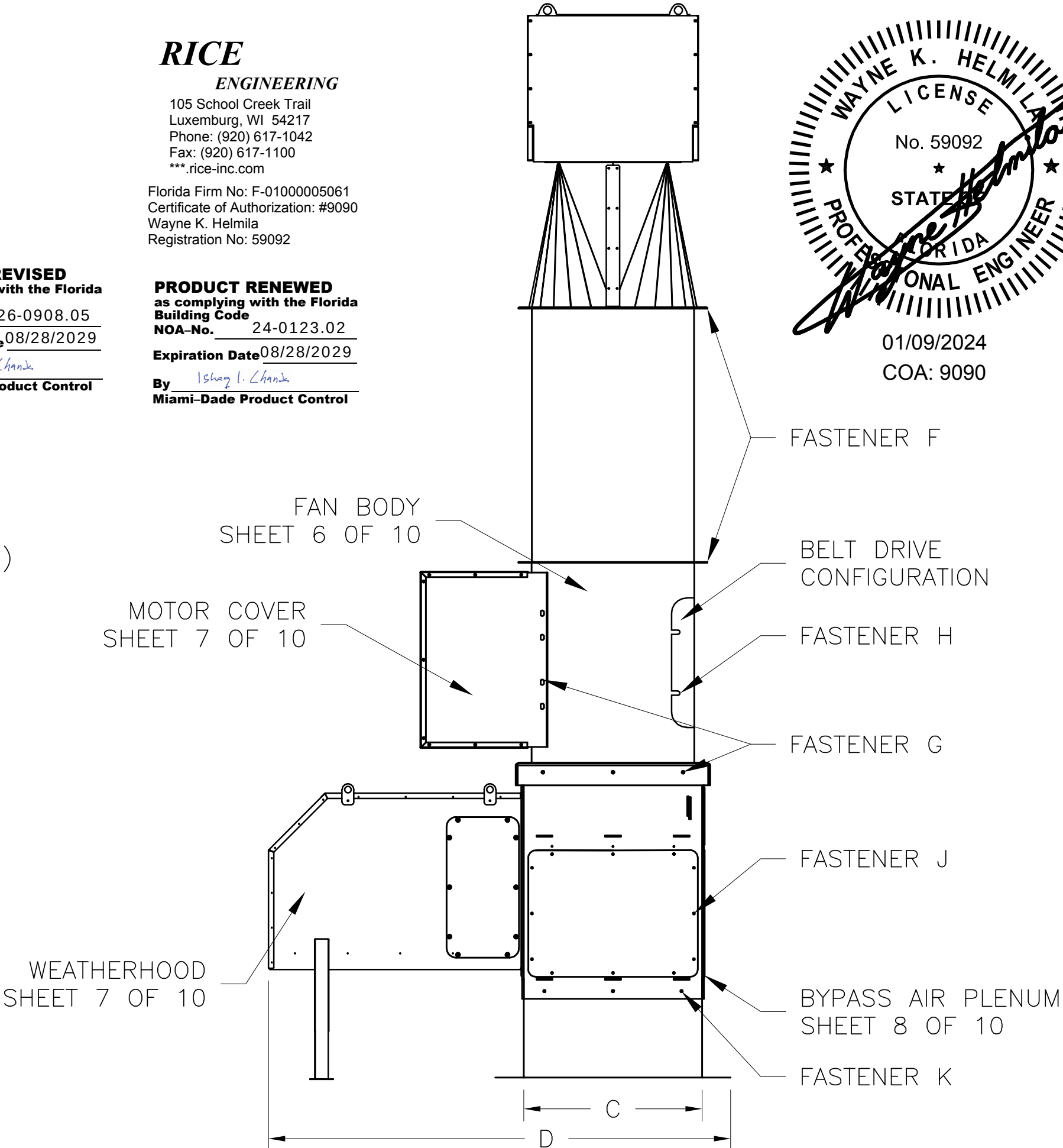


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 26-0908.05
Expiration Date 08/28/2029
By Ishag I. Chank
Miami-Dade Product Control

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

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

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 24-0123.02
Expiration Date 08/28/2029
By Ishag I. Chank
Miami-Dade Product Control



ALL DIMENSIONS ARE IN INCHES WEIGHTS DO NOT INCLUDE MOTOR AND DRIVES					
UNIT	A (max.)	B	C	D	MAX WEIGHT (LBS.)
VEKTOR-H 9	146.00	21.63	21.63	72.50	608
VEKTOR-H 10	146.00	21.63	21.63	72.50	608
VEKTOR-H 12	146.00	21.63	21.63	72.50	618
VEKTOR-H 13	146.50	23.63	23.63	71.50	671
VEKTOR-H 14	144.00	27.63	27.63	76.50	641
VEKTOR-H 16	146.50	27.63	27.63	76.50	813
VEKTOR-H 18	146.00	33.63	33.63	82.50	981
VEKTOR-H 20	144.00	33.63	33.63	82.50	812
VEKTOR-H 22	145.25	39.63	39.63	88.50	1241
VEKTOR-H 24	146.00	45.63	45.63	94.75	1520
VEKTOR-H 30	155.50	51.63	51.63	100.50	1870
VEKTOR-H 36	167.00	57.63	57.63	107.25	2323

- NOTES:
- MODELS VEKTOR-H & VEKTOR-HS HAS BEEN SUCCESSFULLY TESTED IN ACCORDANCE WITH MIAMI DADE TEST PROTOCOL TAS-201 (LARGE MISSILE IMPACT), AND TAS-202 (STATIC LOADING).
 - ROOF STRUCTURE MUST BE DESIGNED TO WITHSTAND THE WEIGHT AND LOADING TRANSMITTED BY LABORATORY EXHAUST FAN. FASTENERS SHALL BE SPECIFIED AND INSTALLED AS DETAILED.
 - DESIGN, TESTING, AND INSTALLATION CONFORMS TO FLORIDA BUILDING CODE.
 - DESIGN PRESSURE = +/- 140 PSF LARGE MISSILE IMPACT RESISTANT.
 - TESTED FOR AREAS INCLUDING HIGH VELOCITY HURRICANE ZONES.
 - THESE FANS HAVE NOT BEEN TESTED FOR WIND DRIVEN RAIN TEST PER FLORIDA BUILDING CODE, TAS-100 (A)-95.
 - THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY AND IMPACT RATING OF THE EXTERIOR HOUSNG ONLY, IT DOES NOT INCLUDE ANY INTERIOR MECHANISM OR ELECTRICAL PART.

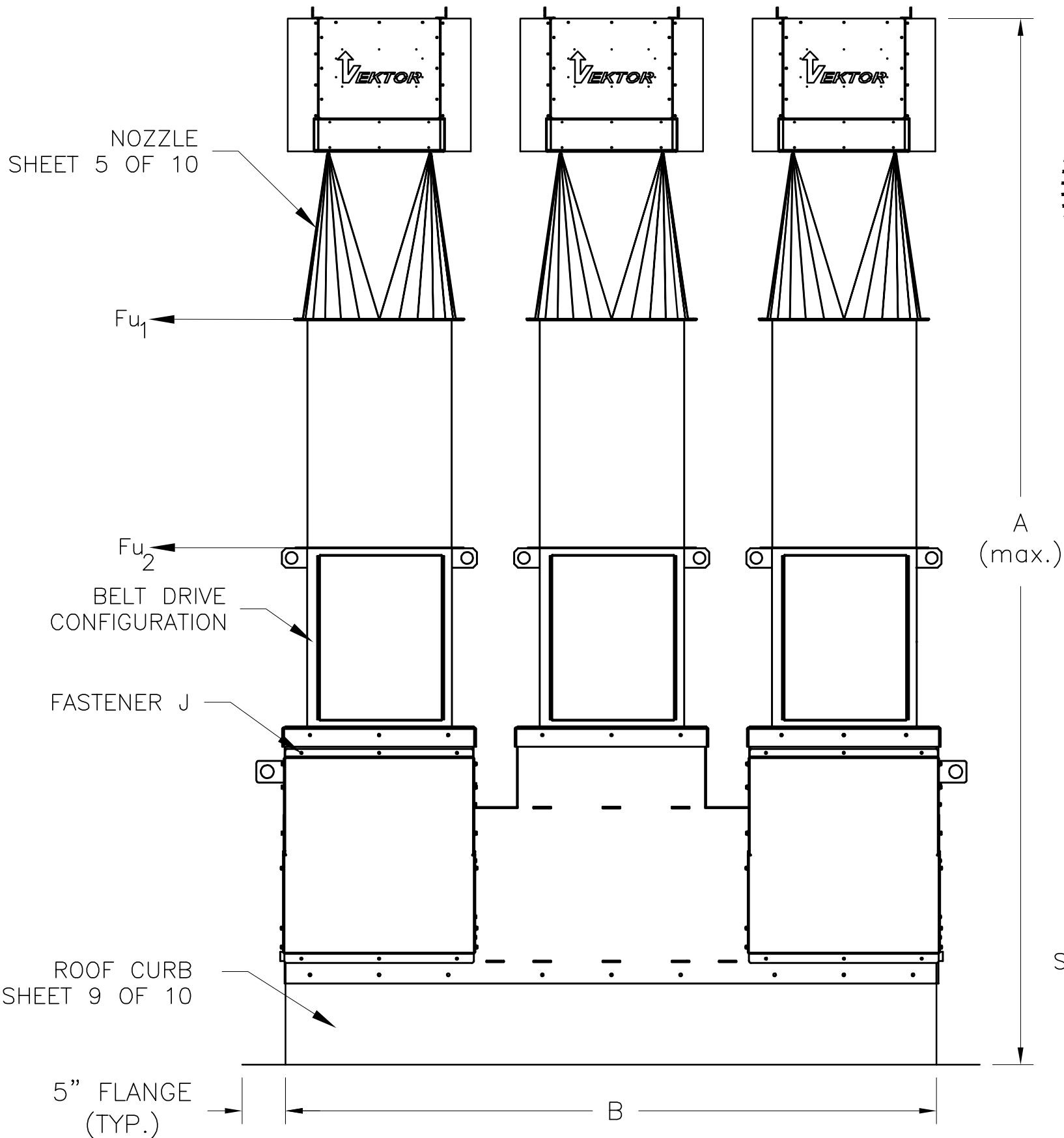
Wayne K Helmila
Digitally signed by Wayne K Helmila
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dnQualifier=A01410C0000018CDB8F4AFB001A652B,
O=Wisconsin, C=US
Date: 2024.01.09 15:58:57-06'00'

 P.O.BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY	OERTEL	ECD
	DATE	12/2023	ENG. REF.
	SUPERSEDES		NOA TESTING
	SCALE		
TITLE		VEKTOR-H 9-36 VEKTOR-HS 9-36 1X1 ASSEMBLY SHEET 1 OF 10	
CAD DRAWING NO.		VK-H-3001	

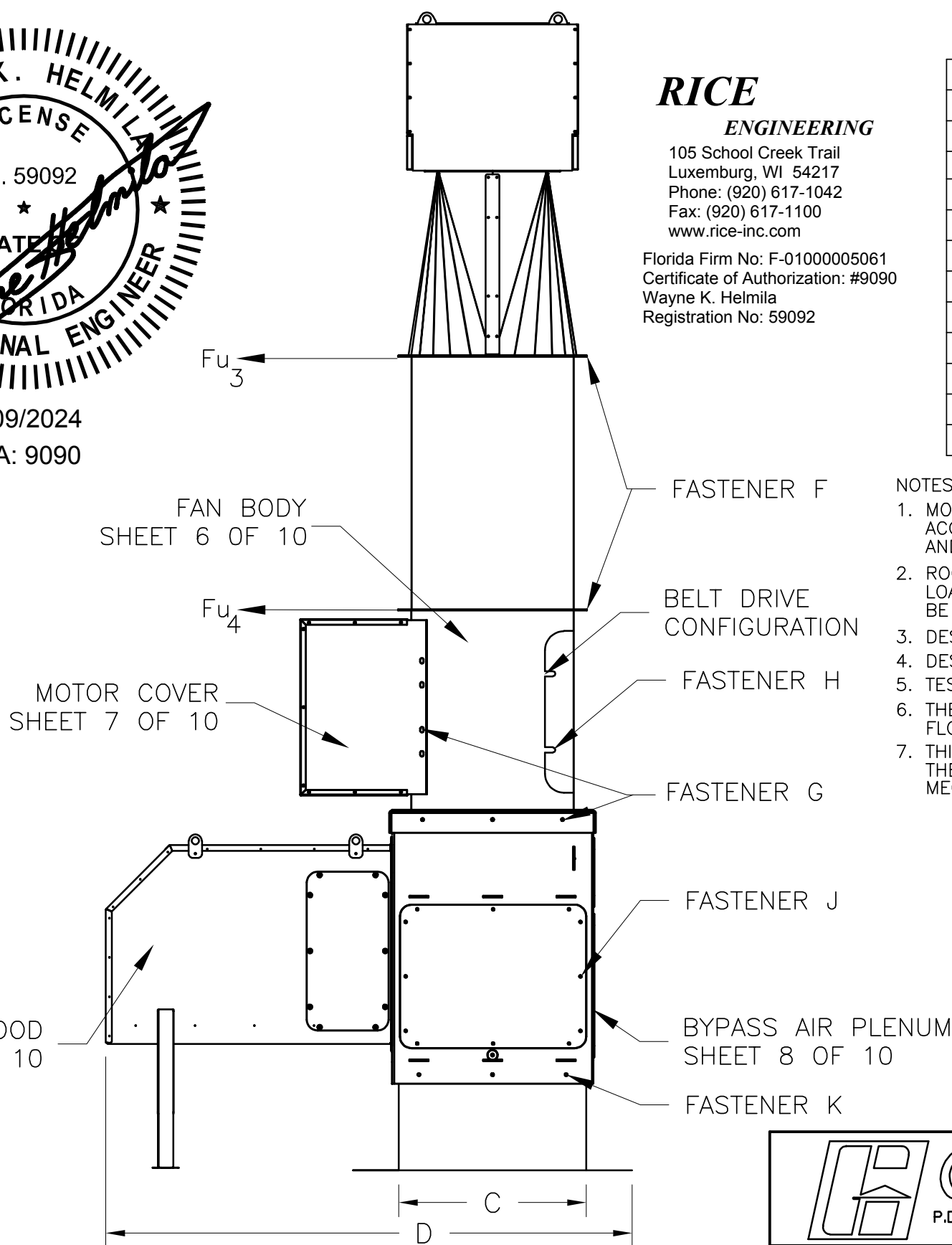
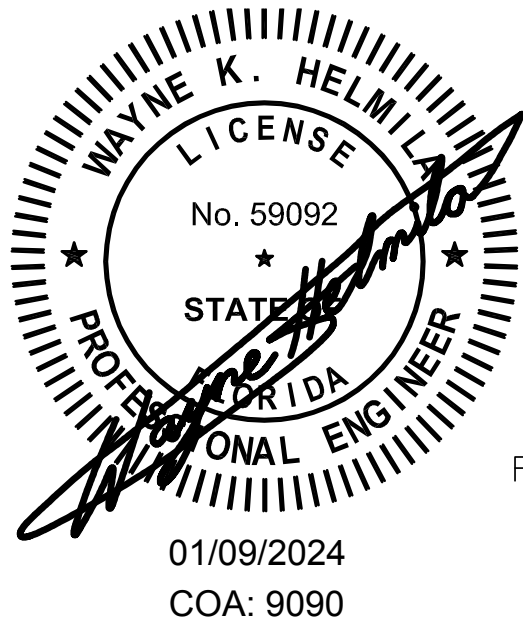
DESIGN LIMITS				UNIT	FASTENER F	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER G	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER H	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER J	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER K	BELT DRIVE QTY	DIRECT DRIVE QTY
					DESCRIPTION			DESCRIPTION			DESCRIPTION			DESCRIPTION					
Max. Design Load:				VEKTOR-H 9	SCR,CS,HH,.313-18X1,SS,316,W/EPDM,WSHR	32		SCR,CS,HH,.313-18X1,SS,316,W/EPDM,WSHR	32		SCR,CS,HH,.313-18X1,SS,316,W/EPDM,WSHR	12		SCR,TEK,HWH,#12-14X.875,SS,410	80		SCR,TCS,IHWH,.313-18X1,TYP-23,MECH ZP	18	
±140 psf (6.7 Kpa)																			
Max Overall Enclosure:																			
130.50 x 107.25 in. (3315 x 2724mm)																			
Max. Overall Unit Height:																			
167 in. (4242 mm)																			

DESIGN LIMITS
Max. Design Load:
±140 psf (6.7 Kpa)
Max Overall Enclosure:
183.38 x 107.25 in. (4658 x 2724mm)
Max. Overall Unit Height:
167 in. (4242 mm)

UNIT	FASTENER F	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER G	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER H	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER J	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER K	BELT DRIVE QTY	DIRECT DRIVE QTY			
	DESCRIPTION			DESCRIPTION			DESCRIPTION			DESCRIPTION								
VEKTOR-H 9	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	48	48	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	48	48	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	18	72	SCR,TEK,HWH,#12-14X.875, SS,410	102	114	SCR,TCS,IHWH,.313-18X1, TYP-23,MECH ZP	26	26			
VEKTOR-H 10																		
VEKTOR-H 12																		
VEKTOR-H 13																		
VEKTOR-H 14	WSHR,FLAT,.045X.35X.745, SS,316	48	120	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	48	48	NUT,HEX,.375-16,SS,316	18	180			150						
VEKTOR-H 16																		
VEKTOR-H 18	NUT,HEX,.313-18,SS,316	48			60		60	60		WSHR,FLAT,.05X.406X.875, SS,316	24							
VEKTOR-H 20																		
VEKTOR-H 22		24		60			24			138				42				
VEKTOR-H 24							30					142				48		
VEKTOR-H 30	48															54		
VEKTOR-H 36										36			152			58		



Fu_1 = Horizontal parallel ultimate force per each Vektor-H9
 Fu_2 = Horizontal parallel ultimate force per each Vektor-H36
 Fu_3 = Horizontal perpendicular ultimate force per each Vektor-H9
 Fu_4 = Horizontal perpendicular ultimate force per each Vektor-H36



RICE

ENGINEERING

105 School Creek Trail
Luxemburg, WI 54217
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

ALL DIMENSIONS ARE IN INCHES
WEIGHTS DO NOT INCLUDE MOTOR AND DRIVES

UNIT	(^A max.)	B	C	D	MAX WEIGHT (LBS.)
VEKTOR-H 9	146.00	75.38	21.63	72.50	1591
VEKTOR-H 10	146.00	75.38	21.63	72.50	1591
VEKTOR-H 12	146.00	75.38	21.63	72.50	1621
VEKTOR-H 13	146.50	81.38	23.63	71.50	1781
VEKTOR-H 14	144.00	93.38	27.63	76.50	1740
VEKTOR-H 16	146.50	93.38	27.63	76.50	2161
VEKTOR-H 18	146.00	111.38	33.63	82.50	2638
VEKTOR-H 20	144.00	111.38	33.63	82.50	2240
VEKTOR-H 22	145.25	129.38	39.63	88.50	3316
VEKTOR-H 24	146.00	147.38	45.63	94.75	4085
VEKTOR-H 30	155.50	165.38	51.63	100.50	5026
VEKTOR-H 36	167.00	183.38	57.63	107.25	6230

NOTES:

- MODELS VEKTOR-H & VEKTOR-HS HAS BEEN SUCCESSFULLY TESTED IN ACCORDANCE WITH MIAMI DADE TEST PROTOCOL TAS-201 (LARGE MISSILE IMPACT), AND TAS-202 (STATIC LOADING).
- ROOF STRUCTURE MUST BE DESIGNED TO WITHSTAND THE WEIGHT AND LOADING TRANSMITTED BY LABORATORY EXHAUST FAN. FASTENERS SHALL BE SPECIFIED AND INSTALLED AS DETAILED.
- DESIGN, TESTING, AND INSTALLATION CONFORMS TO FLORIDA BUILDING CODE.
- DESIGN PRESSURE = +/- 140 PSF LARGE MISSILE IMPACT RESISTANT.
- TESTED FOR AREAS INCLUDING HIGH VELOCITY HURRICANE ZONES.
- THESE FANS HAVE NOT BEEN TESTED FOR WIND DRIVEN RAIN TEST PER FLORIDA BUILDING CODE, TAS-100 (A)-95.
- THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY AND IMPACT RATING OF THE EXTERIOR HOUSNG ONLY, IT DOES NOT INCLUDE ANY INTERIOR MECHANISM OR ELECTRICAL PART.

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 24-0123.02
Expiration Date 08/28/2029
By Ishag I. Chankh
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 26-0908.05
Expiration Date 08/28/2029
By Ishag I. Chankh
Miami-Dade Product Control



TITLE
VEKTOR-H 9-36
VEKTOR-HS 9-36
3X1 ASSEMBLY
SHEET 3 OF 10

DRAWN BY OERTEL	ENG. REF.
DATE 12/2023	NOA TESTING
SUPERSEDES	
SCALE	
CAD DRAWING NO.	VK-H-3001

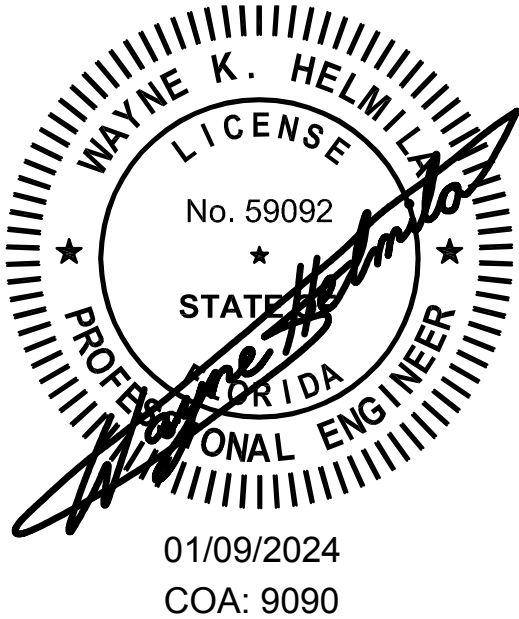
DESIGN LIMITS
Max. Design Load:
±140 psf (6.7 Kpa)
Max Overall Enclosure:
67.63 x 75.50 in. (1718 x 1918 mm)
Max. Overall Unit Height:
167 in. (4242 mm)

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 26-0908.05
Expiration Date 08/28/2029
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PRODUCT RENEWED
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Building Code
NOA-No. 24-0123.02
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By Ishag I. Chank
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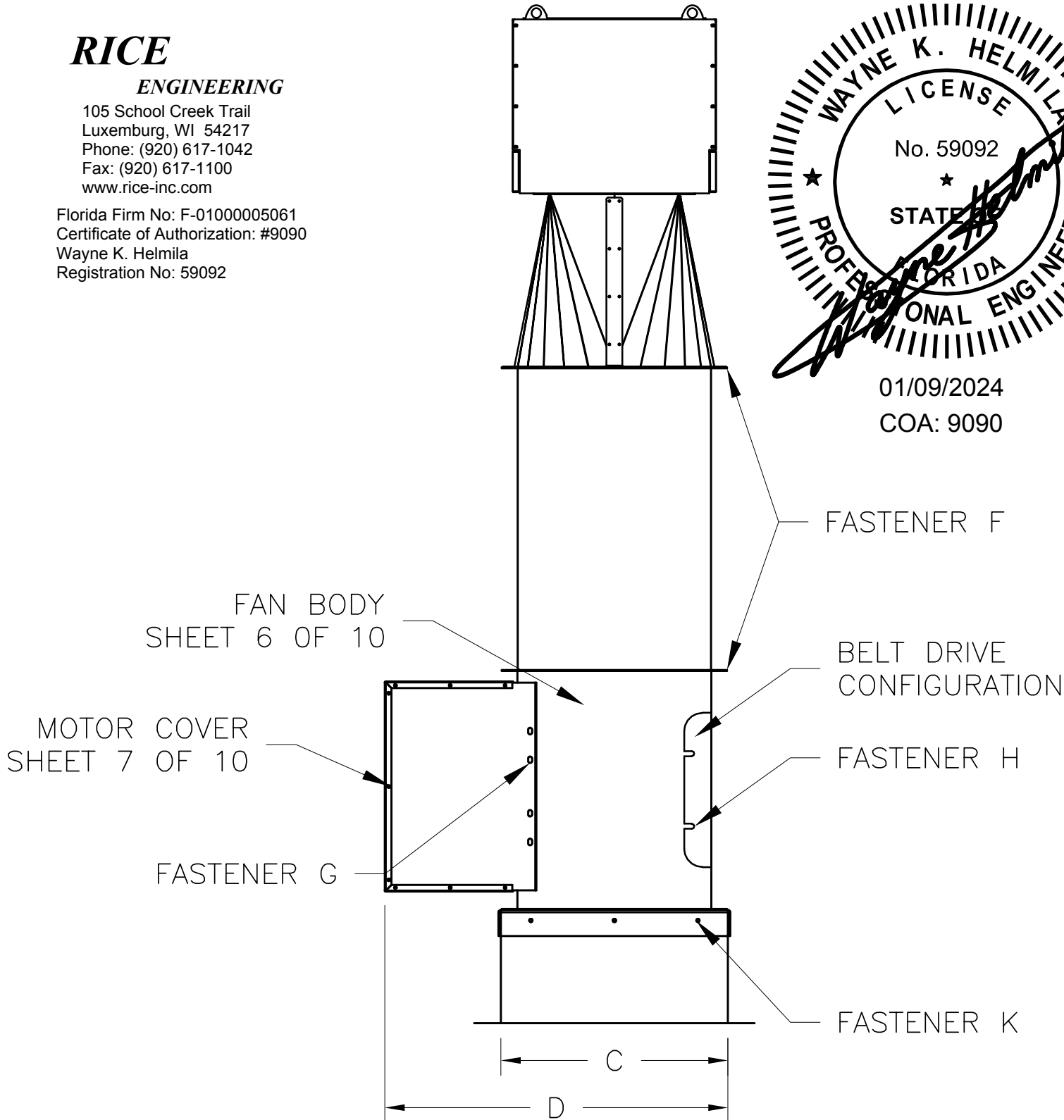
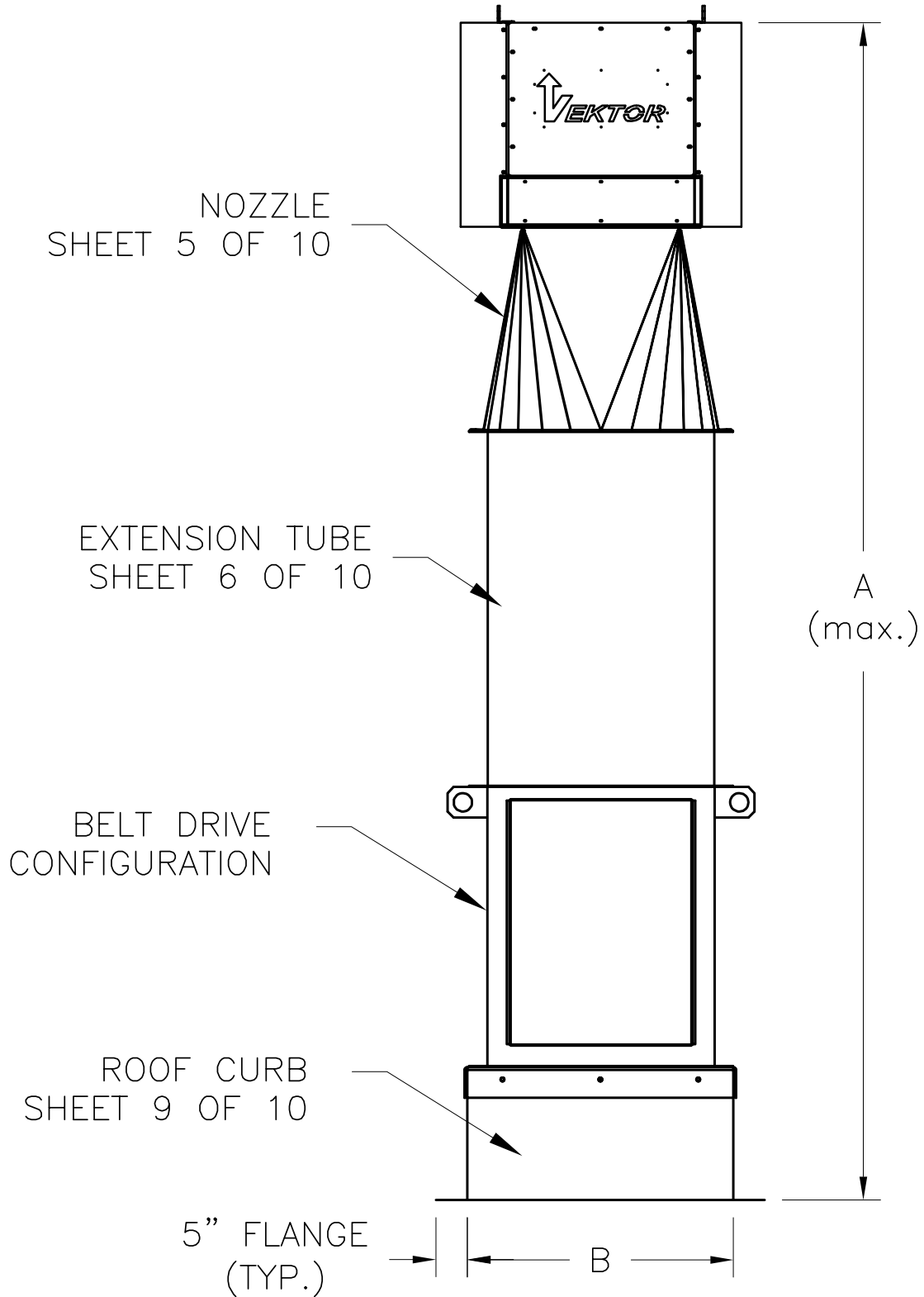
UNIT	FASTENER F	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER G	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER H	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER K	BELT DRIVE QTY	DIRECT DRIVE QTY					
	DESCRIPTION			DESCRIPTION			DESCRIPTION			DESCRIPTION							
VEKTOR-H 9	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	16	16	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	4	16	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	6	24	SCR,TCS,IHWH,.313-18X1, TYP-23,MECH ZP	12	12					
VEKTOR-H 10																	
VEKTOR-H 12							NUT,HEX,.375-16,SS,316	6	38								
VEKTOR-H 13													8				
VEKTOR-H 14																	
VEKTOR-H 16	WSHR,FLAT,.045X.35X.745, SS,316	16	40		4	20	WSHR,FLAT,.05X.406X.875, SS,316	8			16	16					
VEKTOR-H 18								8									
VEKTOR-H 20	NUT,HEX,.313-18,SS,316	16			4			10			20						
VEKTOR-H 22																	
VEKTOR-H 24								12			24						
VEKTOR-H 30																	
VEKTOR-H 36																	

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



ALL DIMENSIONS ARE IN INCHES WEIGHTS DO NOT INCLUDE MOTOR AND DRIVES					
UNIT	A (max.)	B	C	D	MAX WEIGHT (LBS.)
VEKTOR-H 9	146.00	21.63	21.63	33.75	407
VEKTOR-H 10	146.00	21.63	21.63	33.75	407
VEKTOR-H 12	146.00	21.63	21.63	33.75	417
VEKTOR-H 13	146.50	23.63	23.63	36.75	451
VEKTOR-H 14	144.00	27.63	27.63	40.00	606
VEKTOR-H 16	146.50	27.63	27.63	40.00	559
VEKTOR-H 18	146.00	33.63	33.63	48.25	665
VEKTOR-H 20	144.00	33.63	33.63	48.25	757
VEKTOR-H 22	145.25	39.63	39.63	53.75	829
VEKTOR-H 24	146.00	45.63	45.63	59.75	1009
VEKTOR-H 30	154.00	51.63	51.63	68.25	1259
VEKTOR-H 36	144.00	57.63	57.63	75.50	1537

- NOTES:
- MODELS VEKTOR-H & VEKTOR-HS HAS BEEN SUCCESSFULLY TESTED IN ACCORDANCE WITH MIAMI DADE TEST PROTOCOL TAS-201 (LARGE MISSILE IMPACT), AND TAS-202 (STATIC LOADING).
 - ROOF STRUCTURE MUST BE DESIGNED TO WITHSTAND THE WEIGHT AND LOADING TRANSMITTED BY LABORATORY EXHAUST FAN. FASTENERS SHALL BE SPECIFIED AND INSTALLED AS DETAILED.
 - DESIGN, TESTING, AND INSTALLATION CONFORMS TO FLORIDA BUILDING CODE.
 - DESIGN PRESSURE = +/- 140 PSF LARGE MISSILE IMPACT RESISTANT.
 - TESTED FOR AREAS INCLUDING HIGH VELOCITY HURRICANE ZONES.
 - THESE FANS HAVE NOT BEEN TESTED FOR WIND DRIVEN RAIN TEST PER FLORIDA BUILDING CODE, TAS-100 (A)-95.
 - THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY AND IMPACT RATING OF THE EXTERIOR HOUSNG ONLY, IT DOES NOT INCLUDE ANY INTERIOR MECHANISM OR ELECTRICAL PART.



 P.O.BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY OERTEL	ECO
	DATE 12/2023	ENG. REF.
	SUPERSEDES	NOA TESTING
	SCALE	
TITLE VEKTOR-H 9-36 VEKTOR-HS 9-36 1X1 ASSEMBLY (NO PLENUM) SHEET 4 OF 10		CAD DRAWING NO. VK-H-3001

ALL DIMENSIONS ARE IN INCHES.
FASTENER F=SCR,CS,HH,.313-18X1,SS,316,W/EPDM,WSHR
WSHR,FLAT,.045X.35X.745,SS,316
NUT,HEX,.313-18,SS,316

FASTENER J=SCR,TEK,HWH,#12-14X.875,SS,410

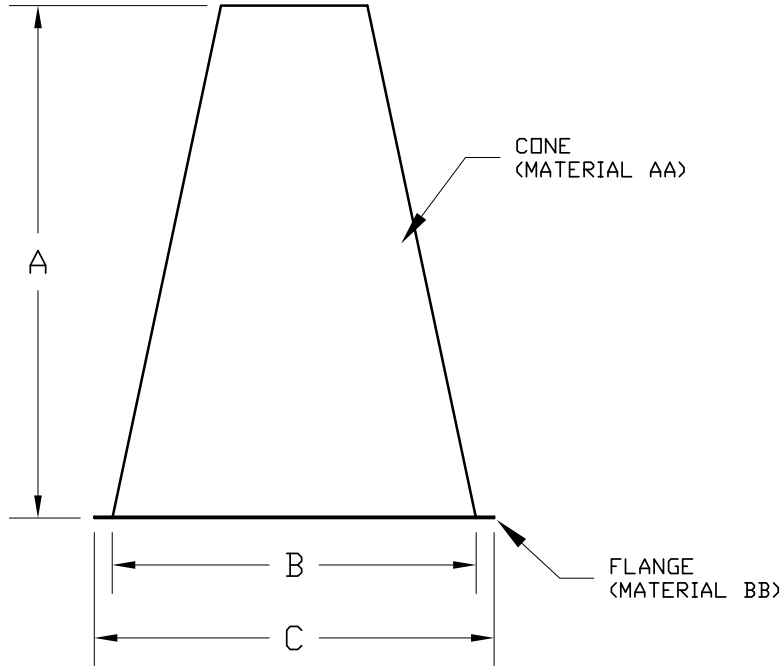
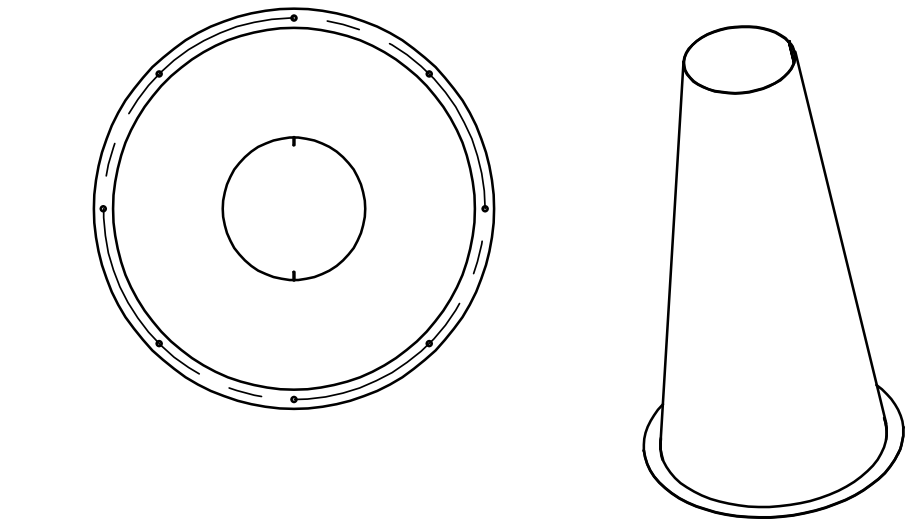
FASTENER L= RVT,BLIND,DOME,.187,.126-.25,SS

UNIT SIZE	A	B	C	MATERIAL	
				CONE	FLANGE
VEKTOR-H 9	43.00	18.38	21.63	16 GA. CRS DS	10 GA HRS POCS
VEKTOR-H 10	43.00	18.38	21.63		
VEKTOR-H 12	43.00	18.38	21.63		
VEKTOR-H 13	43.00	20.38	23.63		
VEKTOR-H 14	43.00	24.38	27.63		
VEKTOR-H 16	43.00	24.38	27.63		
VEKTOR-H 18	43.00	30.38	33.63		
VEKTOR-H 20	43.00	30.38	33.63		
VEKTOR-H 22	43.00	36.38	39.63		
VEKTOR-H 24	43.00	42.50	45.75		
VEKTOR-H 30	43.00	48.50	52.75		
VEKTOR-H 36	43.00	55.00	59.25		

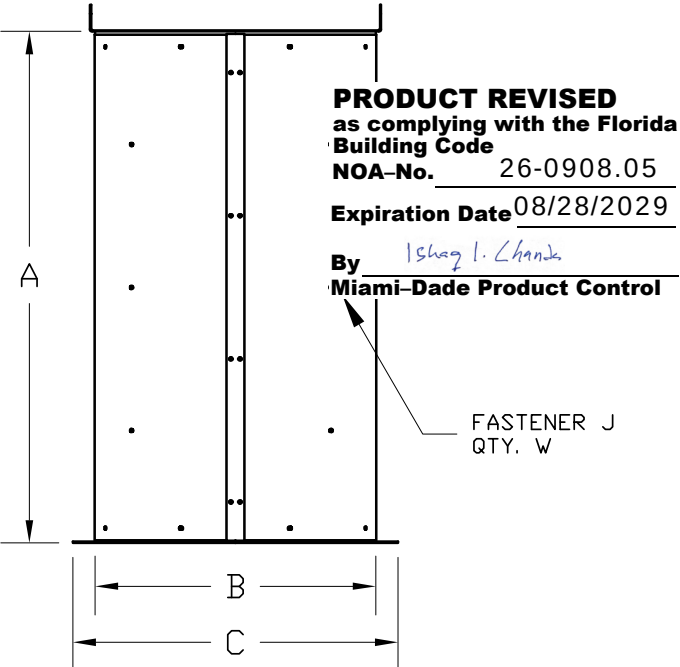
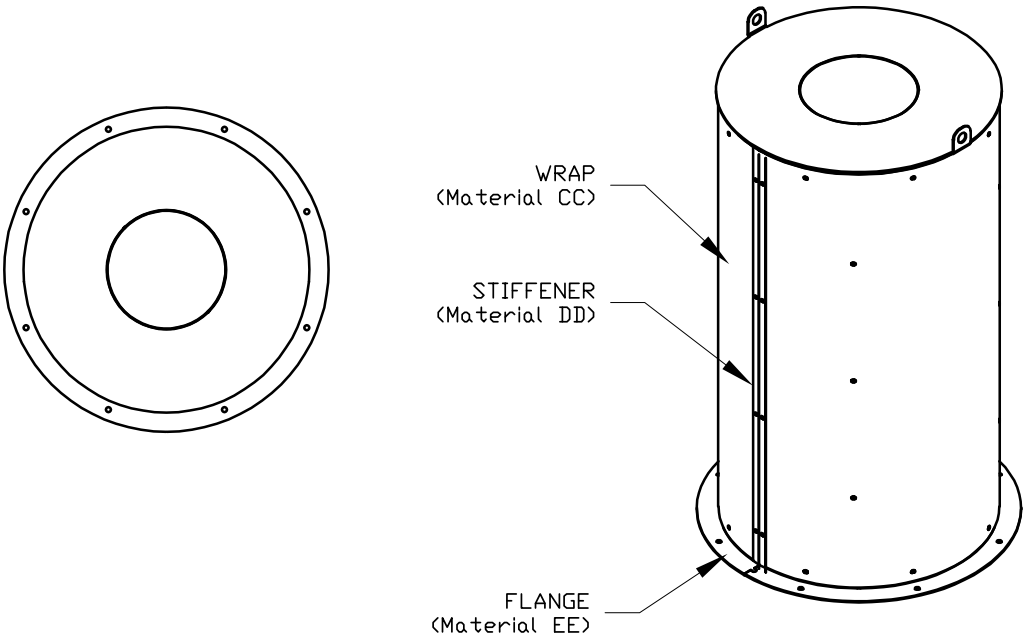
HRS POCS=HOT ROLLED STEEL, PICKLED AND OILED COMMERCIAL STEEL
CRS DS=COLD ROLLED STEEL, DRAWING STEEL
HRS POCS & CRS DS MATERIALS ARE COVERED WITH AN ELECTROSTATIC POWDER COATING

UNIT SIZE	A	B	C	QTY. W	MATERIAL		
					WRAP	STIFFENER	FLANGE
VEKTOR-H 9	43.00	18.38	21.63	40	18 GA. CRS DS	18 GA. CRS DS	10 GA HRS POCS
VEKTOR-H 10	43.00	18.38	21.63	40			
VEKTOR-H 12	43.00	18.38	21.63	40			
VEKTOR-H 13	43.00	20.38	23.63	40			
VEKTOR-H 14	43.00	24.38	27.63	44			
VEKTOR-H 16	43.00	24.38	27.63	44			
VEKTOR-H 18	43.00	30.38	33.63	44			
VEKTOR-H 20	43.00	30.38	33.63	44			
VEKTOR-H 22	43.00	36.38	39.63	52			
VEKTOR-H 24	43.00	42.50	45.75	52			
VEKTOR-H 30	43.00	48.50	52.75	58			
VEKTOR-H 36	43.00	55.00	59.25	58			

									MATERIAL				
UNIT SIZE	A	B	C	D	E	QTY. X	QTY. Y	QTY. Z	EXTR PNL	TRANSN PNL	SD CVR	FLG's	
VEKTOR-H 9	43.00	21.50	18.38	21.63	25.04	22	42	16	16 GA. CRS DS	14 GA. CRS DS	16 GA. CRS DS	10 GA HRS POCS	
VEKTOR-H 10	43.00	21.50	18.38	21.63	25.04	22	42	16					
VEKTOR-H 12	43.00	21.50	18.38	21.63	25.04	22	42	16					
VEKTOR-H 13	43.00	21.50	20.38	23.63	25.04	22	42	16					
VEKTOR-H 16	43.00	21.50	24.38	27.63	29.57	26	44	16					
VEKTOR-H 18	43.00	21.50	30.38	33.63	33.33	26	44	16					
VEKTOR-H 22	43.00	21.50	36.38	39.63	37.64	26	46	16					
VEKTOR-H 24	43.00	21.50	42.50	45.75	44.03	30	46	32			14 GA. CRS DS		
VEKTOR-H 30	43.00	21.50	48.50	52.75	47.48	30	50	32					
VEKTOR-H 36	43.00	21.50	55.00	59.25	58.43	30	54	32					



VEKTOR-H NOZZLE

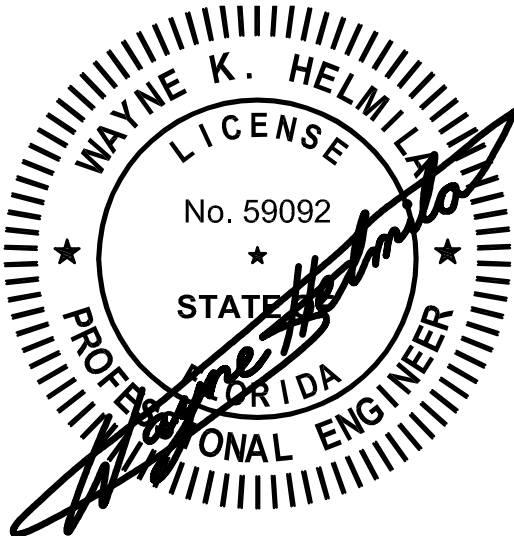


VEKTOR-H ATTENUATING NOZZLE

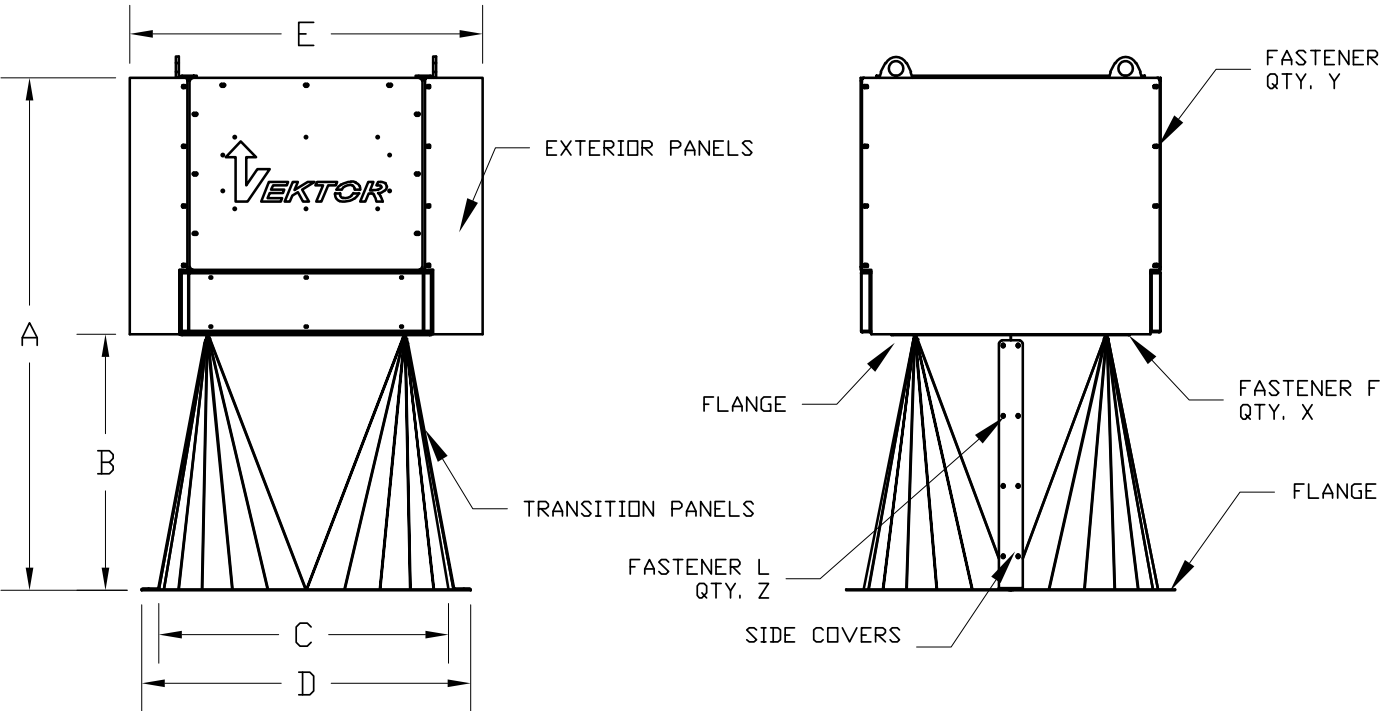
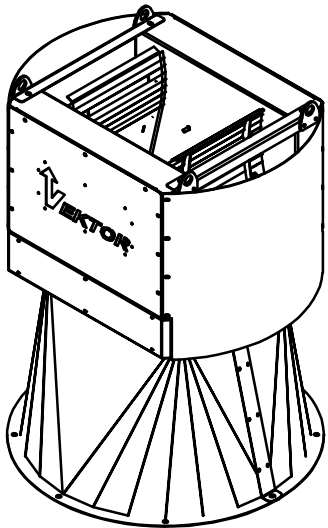
RICE
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Registration No: 59092



01/09/2024
COA: 9090

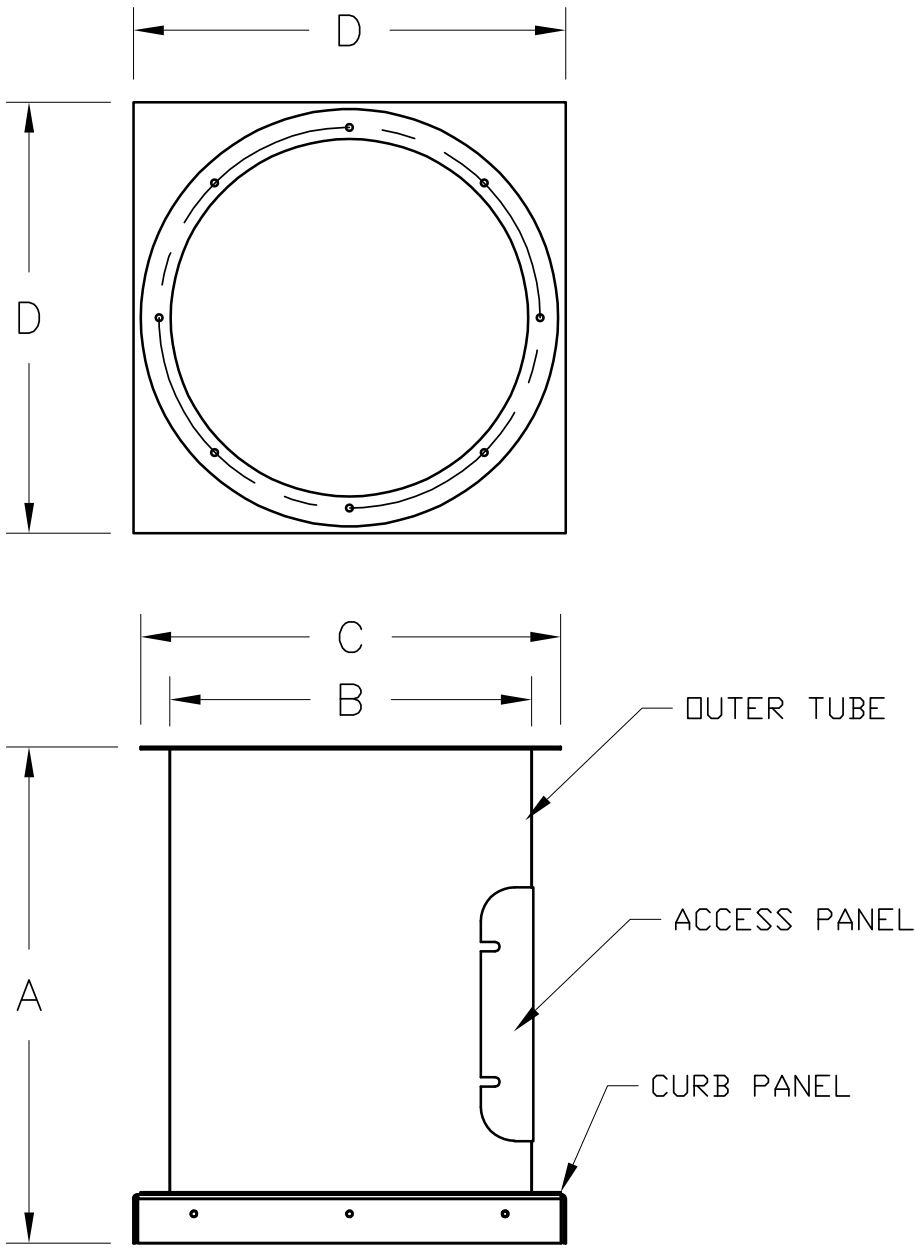


VEKTOR-HS "SAVVE" NOZZLE

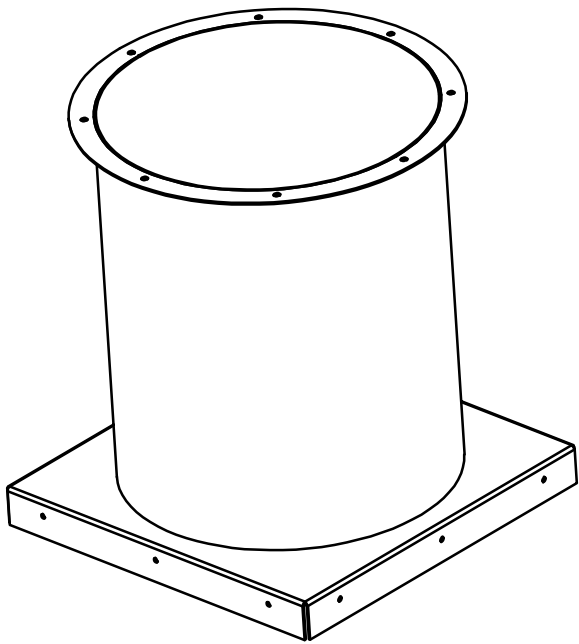
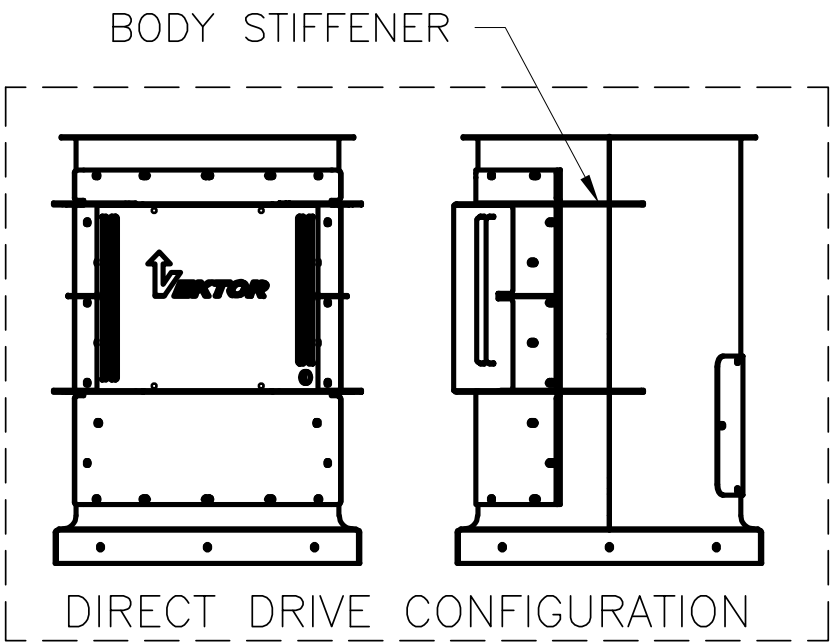
 P.O.BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY OERTEL	NOA TESTING
	DATE 12/2023	
	SUPERSEDES	
	SCALE	
TITLE VEKTOR-H 9-36 VEKTOR-HS 9-36 NOZZLES SHEET 5 OF 10		CAD DRAWING NO. VK-H-3001

ALL DIMENSIONS ARE IN INCHES.
HRS POCS=HOT ROLLED STEEL, PICKLED AND OILED COMMERCIAL STEEL
CRS DS=COLD ROLLED STEEL, DRAWING STEEL
HRS POCS & CRS DS MATERIALS ARE COVERED WITH AN ELECTROSTATIC POWDER COATING

	BELT DRIVE	DIRECT DRIVE				DIRECT DRIVE BODY STIFFENER QTY	MATERIAL		
UNIT SIZE	A	A	B	C	D		OUTR TUBE	CURB PNL	ACS PNL
VEKTOR-H 9	25.50		18.65	21.65	22.00		12 GA. HRS POCS	12 GA. HRS POCS	12 GA. HRS POCS
VEKTOR-H 10	25.50	31.50	18.65	21.65	22.00	4			
VEKTOR-H 12	25.50	31.50	18.65	21.65	22.00				
VEKTOR-H 13	27.00	32.50	20.58	23.58	24.00				
VEKTOR-H 14		37.50	24.58	27.58	28.00	6			
VEKTOR-H 16	31.00	37.50	24.58	27.58	28.00				
VEKTOR-H 18	33.50	41.50	30.58	33.58	34.00	8			
VEKTOR-H 20		41.50	30.58	33.58	34.00				
VEKTOR-H 22	37.75		36.58	39.58	40.00		10 GA. HRS POCS	10 GA. HRS POCS	
VEKTOR-H 24	42.00		42.79	45.79	46.00				
VEKTOR-H 30	51.00		48.77	52.77	52.00				
VEKTOR-H 36	56.50		55.27	59.27	58.00				



FAN BODY



RICE

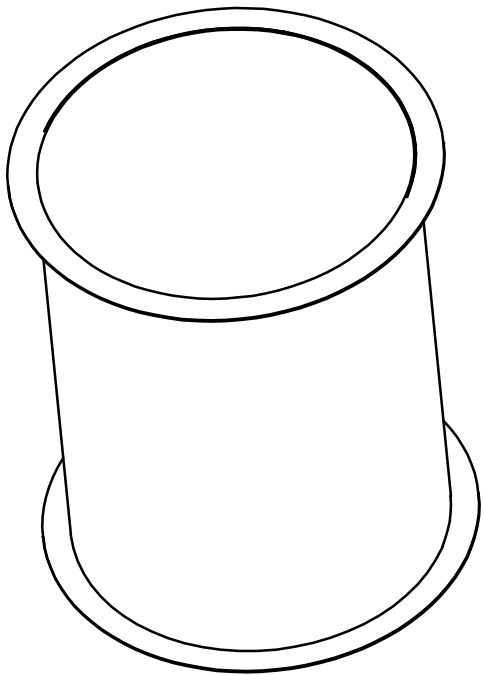
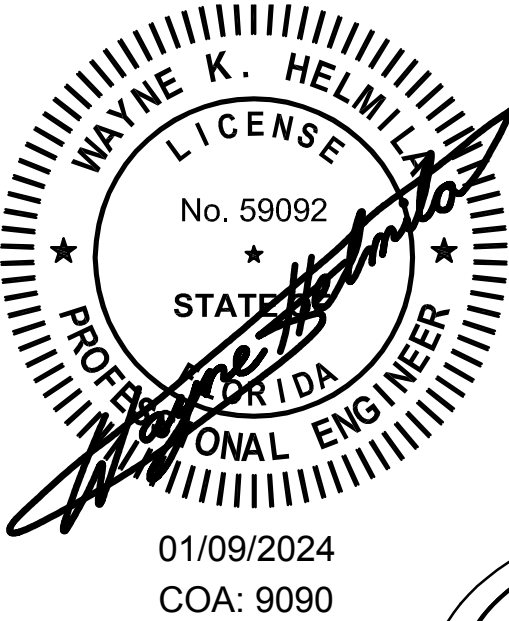
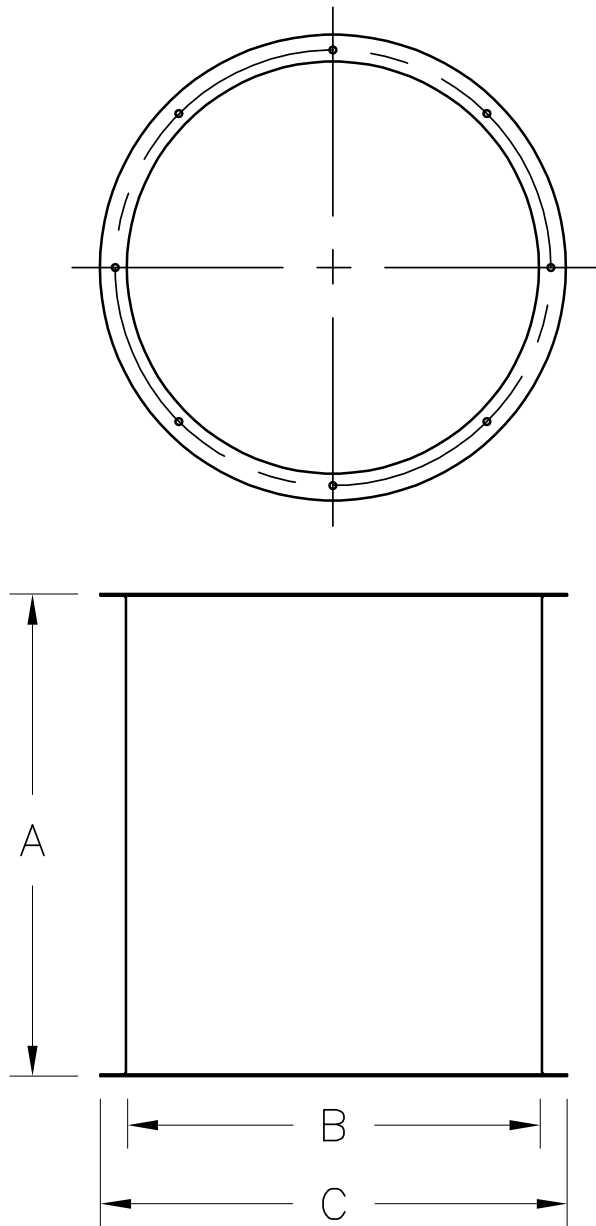
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Luxemburg, WI 54217
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Fax: (920) 617-1100
www.rice-inc.com
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 26-0908.05
Expiration Date 08/28/2029
By Ishag I. Chanda
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 24-0123.02
Expiration Date 08/28/2029
By Ishag I. Chanda
Miami-Dade Product Control

A₁ =DIMENSION IN RELATION TO SHEETS 1,2, & 3 OF 10
A₂ =DIMENSION IN RELATION TO SHEET 4 OF 10

UNIT SIZE	BELT DRIVE		DIRECT DRIVE		B	C	MATERIAL
	A ₁	A ₂	A ₁	A ₂			EXTENSION
VEKTOR-H 9	29.00	55.50			18.65	21.65	12 GA. HRS POCS
VEKTOR-H 10	29.00	55.50	21.00	48.00	18.65	21.65	
VEKTOR-H 12	29.00	55.50	21.00	48.00	18.65	21.65	
VEKTOR-H 13	27.00	55.00	19.00	47.00	20.58	23.58	
VEKTOR-H 14			12.00	42.00	24.58	27.58	
VEKTOR-H 16	21.00	51.00	12.00	42.00	24.58	27.58	
VEKTOR-H 18	17.00	48.00	7.00	38.00	30.58	33.58	
VEKTOR-H 20			7.00	38.00	30.58	33.58	
VEKTOR-H 22	9.00	43.00			36.58	39.58	
VEKTOR-H 24	N/A	37.00			42.77	45.77	
VEKTOR-H 30	N/A	40.00			48.77	52.77	
VEKTOR-H 36	N/A	46.00			55.27	59.27	



EXTENSION

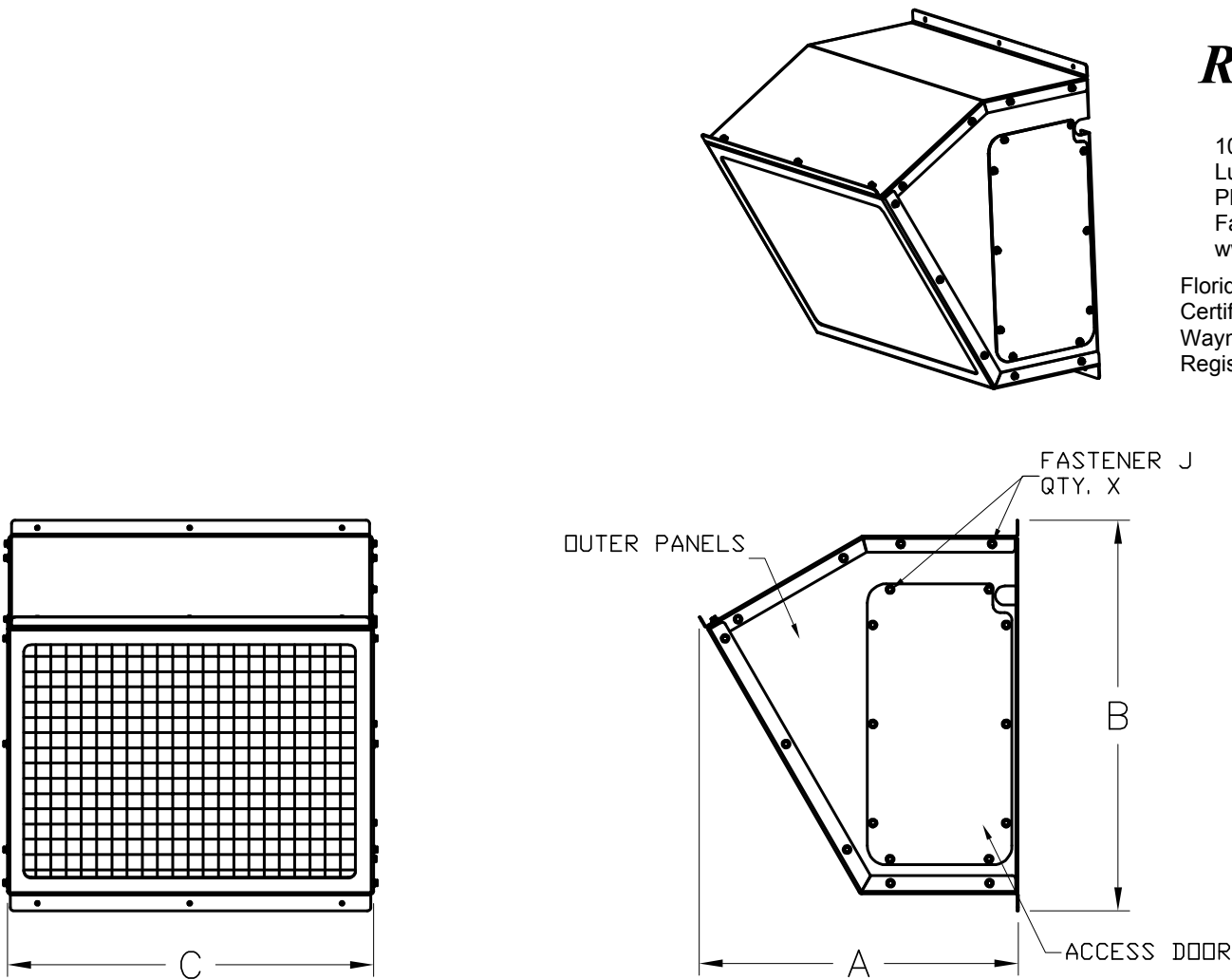
 P.O.BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY OERTEL	ECO
	DATE 12/2023	ENG. REF.
	SUPERSEDES	NOA TESTING
	SCALE	
TITLE VK-H 9-36 VK-HS 9-36 FAN BODY & EXTENSION SHEET 6 OF 10		CAD DRAWING NO. VK-H-3001

ALL DIMENSIONS ARE IN INCHES.

UNIT SIZE	A	B	C	QTY. X	FASTENER J	MATERIAL
					DESCRIPTION	PANELS/DOORS
VEKTOR-H 9	17.88	24.50	22.25	38	SCR,TEK,HWH, #12-14X.875, SS,410	14 GA CRS DS
VEKTOR-H 10	17.88	24.50	22.25	38		
VEKTOR-H 12	17.88	24.50	22.25	38		
VEKTOR-H 13	21.00	25.50	24.18	38		
VEKTOR-H 14	22.00	27.50	28.00	40		
VEKTOR-H 16	22.00	27.50	28.00	40		
VEKTOR-H 18	22.25	28.25	34.13	40		
VEKTOR-H 20	22.25	28.25	34.13	40		
VEKTOR-H 22	23.50	31.50	40.13	40		
VEKTOR-H 24	24.88	34.50	46.13	44		
VEKTOR-H 30	26.50	37.50	52.13	44		
VEKTOR-H 36	28.75	43.50	58.13	44		

UNIT SIZE	A	B	C	QTY. Y	QTY. Z	FASTENER G	FASTENER J	MATERIAL
						DESCRIPTION	DESCRIPTION	PANELS/DOOR/LEGS
VEKTOR-H 9	48.00	24.50	22.25	8	58	SCR,CS,HH, .313-18X1, SS,316, W/EPDM,WSHR	SCR,TEK,HWH, #12-14X.875, SS,410	16 GA. GVNL CSB
VEKTOR-H 10	48.00	24.50	22.25	8	58			
VEKTOR-H 12	48.00	24.50	22.25	8	58			
VEKTOR-H 13	48.00	25.50	24.18	8	62			
VEKTOR-H 14	48.00	27.50	28.00	8	62			
VEKTOR-H 16	48.00	27.50	28.00	8	62			
VEKTOR-H 18	48.00	28.25	34.13	8	62			
VEKTOR-H 20	48.00	28.25	34.13	8	62			
VEKTOR-H 22	48.00	31.50	40.13	8	64			
VEKTOR-H 24	48.00	34.50	46.13	8	72			
VEKTOR-H 30	48.00	37.50	52.13	8	72			
VEKTOR-H 36	48.00	43.50	58.13	8	74			

UNIT SIZE	A	B	C	QTY. W.	FASTENER J	MATERIAL
					DESCRIPTION	PANELS
VEKTOR-H 9	14.50	20.13	14.75	16	SCR,TEK,HWH, #12-14X.875, SS,410	18 GA. GVNL CSB
VEKTOR-H 10	14.50	20.13	14.75	16		
VEKTOR-H 12	14.50	20.13	14.75	16		
VEKTOR-H 13	14.50	20.13	14.75	16		
VEKTOR-H 16	15.13	21.13	16.00	16		
VEKTOR-H 18	16.75	22.25	16.00	18		
VEKTOR-H 22	17.75	26.63	22.75	20		
VEKTOR-H 24	17.75	28.13	22.75	20		
VEKTOR-H 30	19.50	30.63	22.75	24		
VEKTOR-H 36	21.00	34.63	22.75	36		



STANDARD WEATHERHOOD

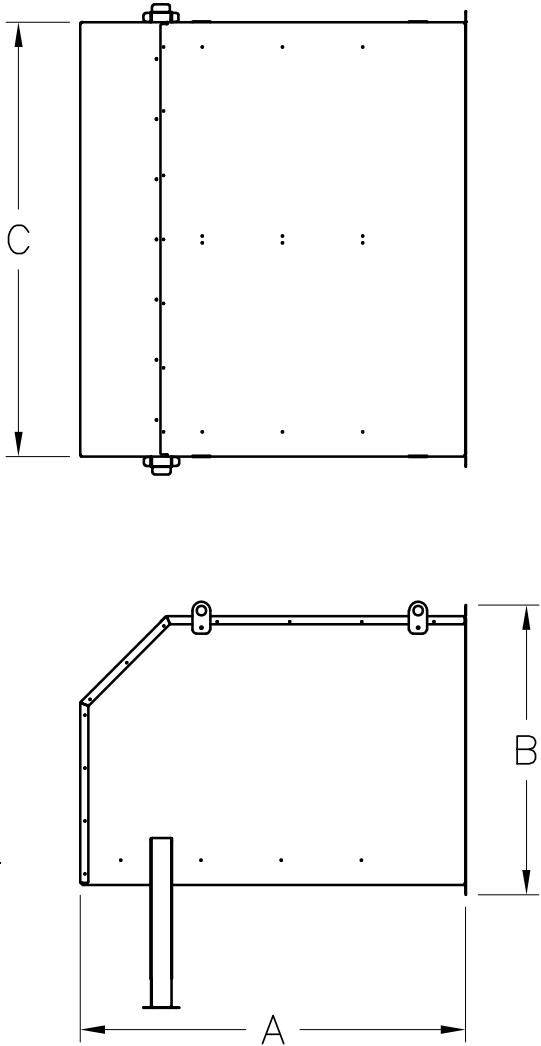
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ENGINEERING

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

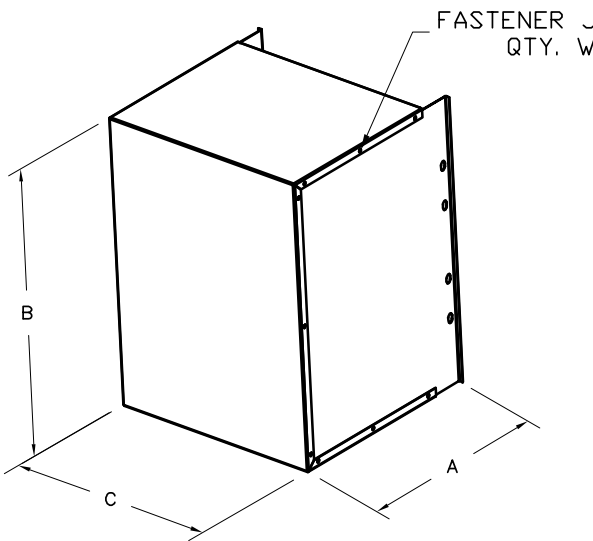
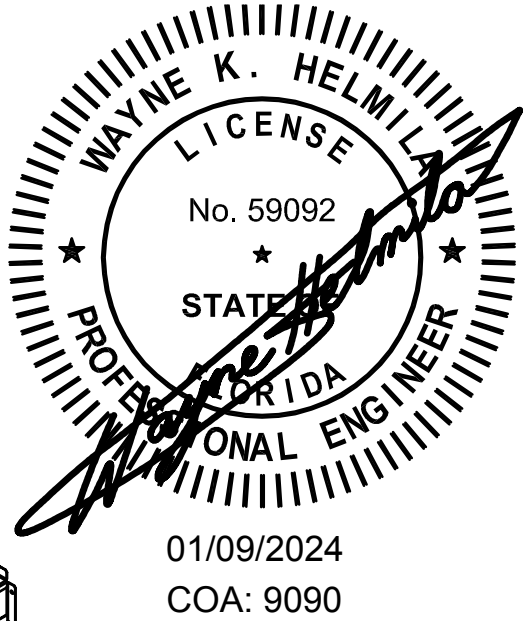
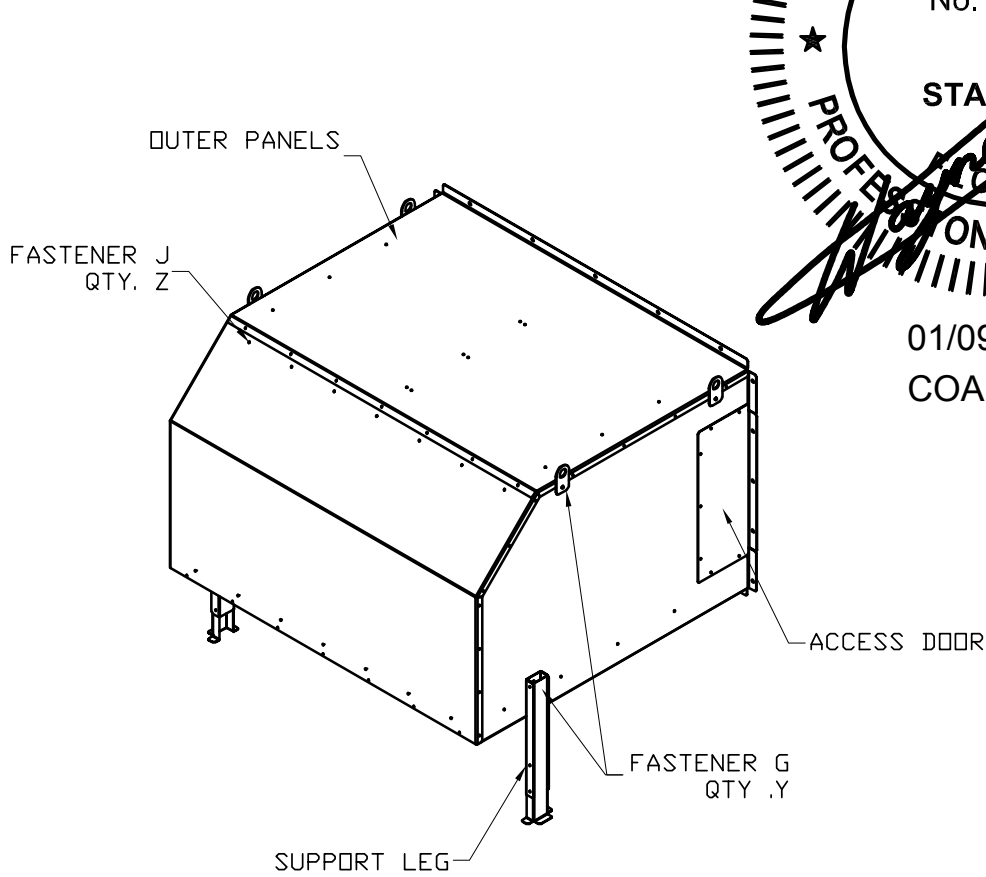
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

PRODUCT REVISED
as complying with the Florida
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NOA-No. 26-0908.05
Expiration Date 08/28/2029
By Ishag I. Chande
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 24-0123.02
Expiration Date 08/28/2029
By Ishag I. Chande
Miami-Dade Product Control



ATTENUATING WEATHERHOOD

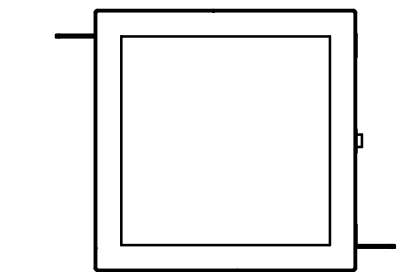


MOTOR COVER
(BELT DRIVE CONFIGURATION ONLY)

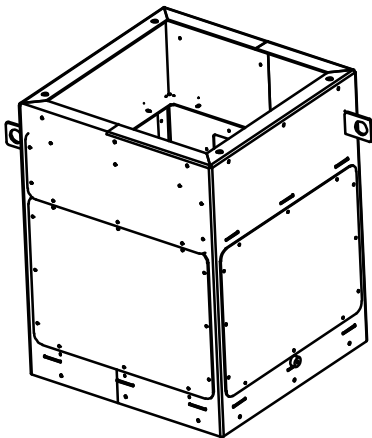
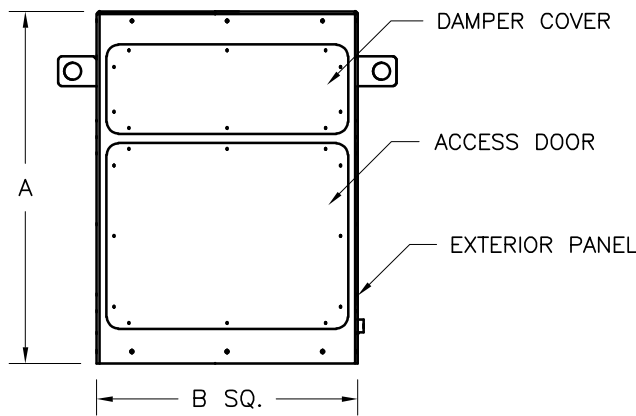
 P.O.BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY OERTEL	ECO	
	DATE 12/2023	ENG. REF.	
	SUPERSEDES	NOA TESTING	
	SCALE		
CAD DRAWING NO.			
VK-H-3001			

TITLE
VK-H 9-36
VK-HS 9-36
WEATHERHOODS &
MOTOR COVER
SHEET 7 OF 10

ALL DIMENSIONS ARE IN INCHES
HRS POCS=HOT ROLLED STEEL, PICKLED AND OILED COMMERCIAL STEEL
HRS POCS MATERIALS ARE COVERED WITH AN ELECTROSTATIC POWDER COATING

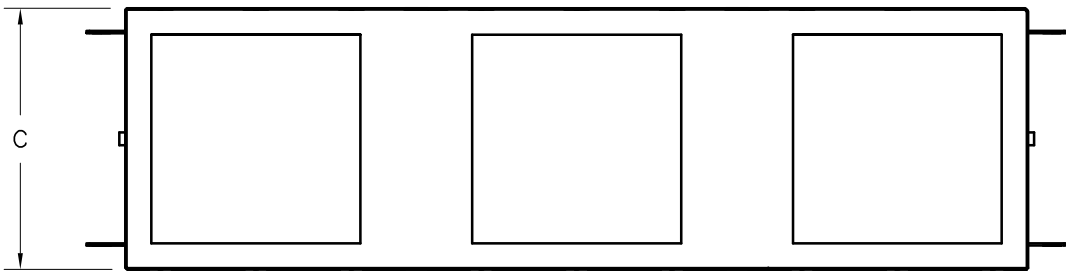


UNIT SIZE	A	B	MATERIAL		
			EXTR PNL's	ACS DR	DMPR CVR
VEKTOR-H 9	29.50	21.88	12 GA. HRS POCS	12 GA. HRS POCS	12 GA. HRS POCS
VEKTOR-H 10	29.50	21.88			
VEKTOR-H 12	29.50	21.88			
VEKTOR-H 13	30.50	23.88			
VEKTOR-H 14	32.50	27.88			
VEKTOR-H 16	32.50	27.88			
VEKTOR-H 18	33.50	33.88			
VEKTOR-H 20	33.50	33.88			
VEKTOR-H 22	36.50	39.88			
VEKTOR-H 24	39.50	45.88			
VEKTOR-H 30	42.50	51.88			
VEKTOR-H 36	48.50	57.88			

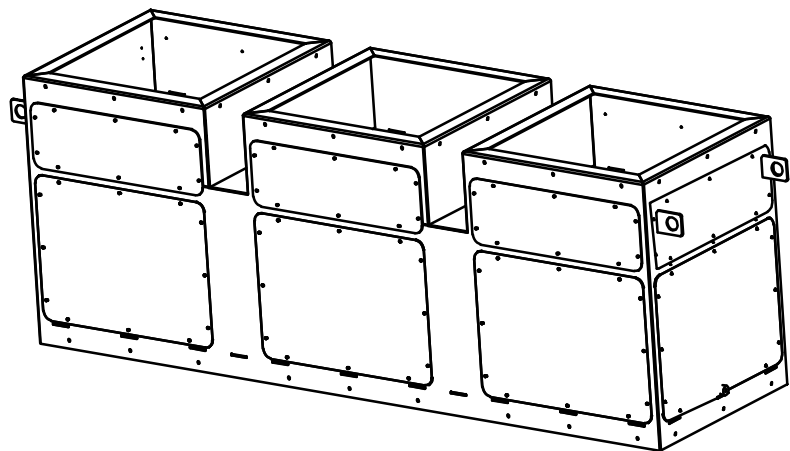
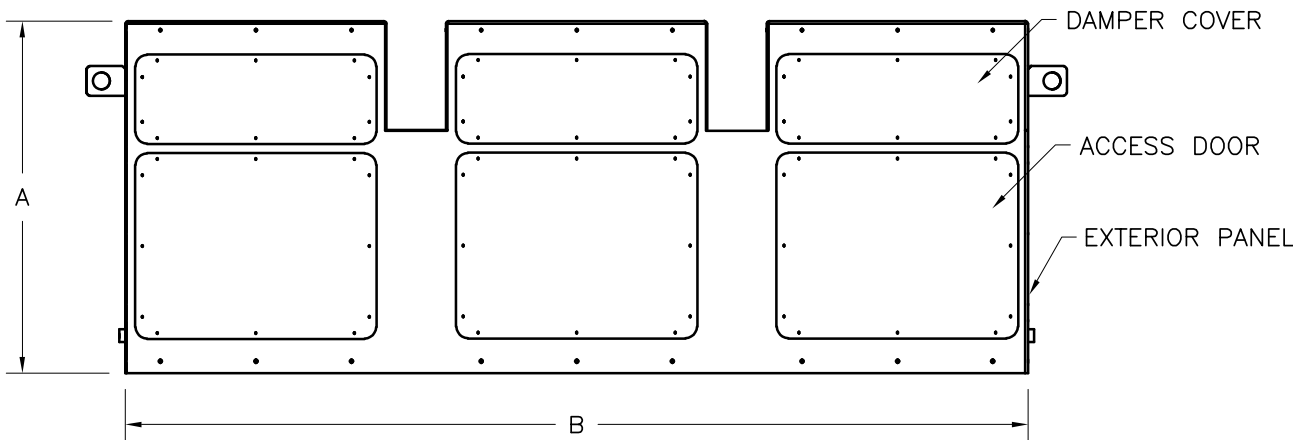


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Registration No: 59092

1X1 BYPASS AIR PLENUM



UNIT SIZE	A	B	C	MATERIAL		
				EXTR PNL's	ACS DR	DMPR CVR
VEKTOR-H 9	29.50	75.58	21.88	12 GA. HRS POCS	12 GA. HRS POCS	12 GA. HRS POCS
VEKTOR-H 10	29.50	75.58	21.88			
VEKTOR-H 12	29.50	75.58	21.88			
VEKTOR-H 13	30.50	81.58	23.88			
VEKTOR-H 14	32.50	93.58	27.88			
VEKTOR-H 16	32.50	93.58	27.88			
VEKTOR-H 18	33.50	111.58	33.88			
VEKTOR-H 20	33.50	111.58	33.88			
VEKTOR-H 22	36.50	129.58	39.88			
VEKTOR-H 24	39.50	147.58	45.88			
VEKTOR-H 30	42.50	165.58	51.88			
VEKTOR-H 36	48.50	183.58	57.88			



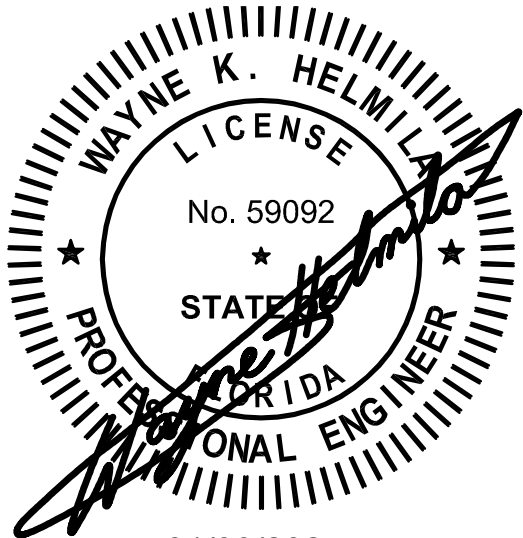
3X1 BYPASS AIR PLENUM

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 26-0908.05
Expiration Date 08/28/2029

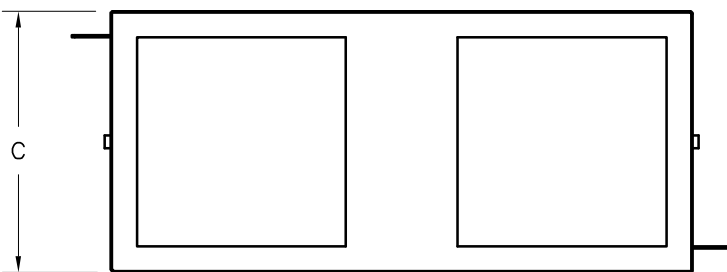
By Ishaq I. Chande
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 24-0123.02
Expiration Date 08/28/2029

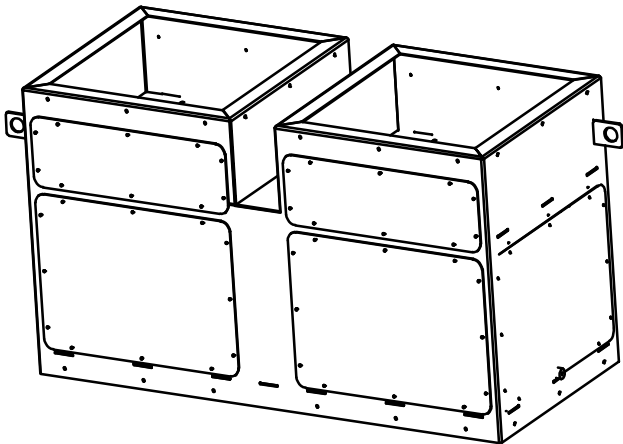
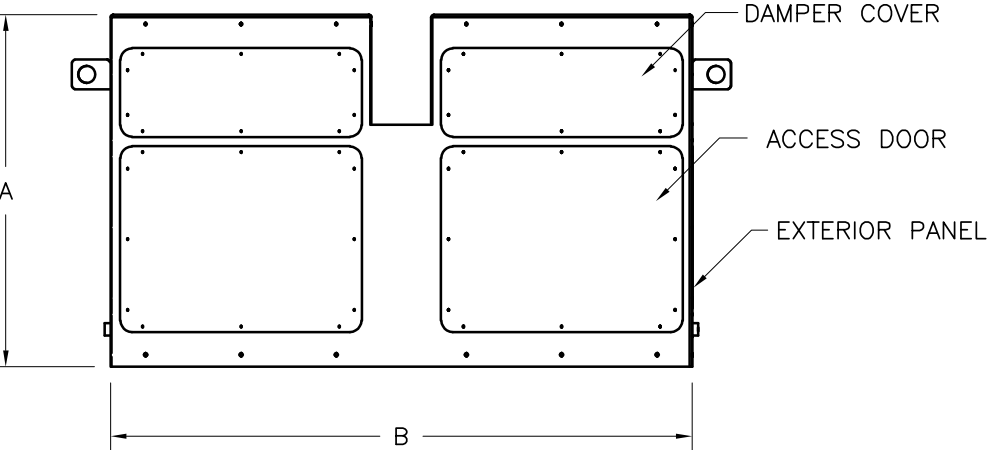
By Ishaq I. Chande
Miami-Dade Product Control



01/09/2024
COA: 9090



UNIT SIZE	A	B	C	MATERIAL		
				EXTR PNL's	ACS DR	DMPR CVR
VEKTOR-H 9	29.50	48.71	21.88	12 GA. HRS POCS	12 GA. HRS POCS	12 GA. HRS POCS
VEKTOR-H 10	29.50	48.71	21.88			
VEKTOR-H 12	29.50	48.71	21.88			
VEKTOR-H 13	30.50	52.71	23.88			
VEKTOR-H 14	32.50	60.71	27.88			
VEKTOR-H 16	32.50	60.71	27.88			
VEKTOR-H 18	33.50	72.71	33.88			
VEKTOR-H 20	33.50	72.71	33.88			
VEKTOR-H 22	36.50	84.71	39.88			
VEKTOR-H 24	39.50	96.71	45.88			
VEKTOR-H 30	42.50	108.71	51.88			
VEKTOR-H 36	48.50	120.71	57.88			



2X1 BYPASS AIR PLENUM

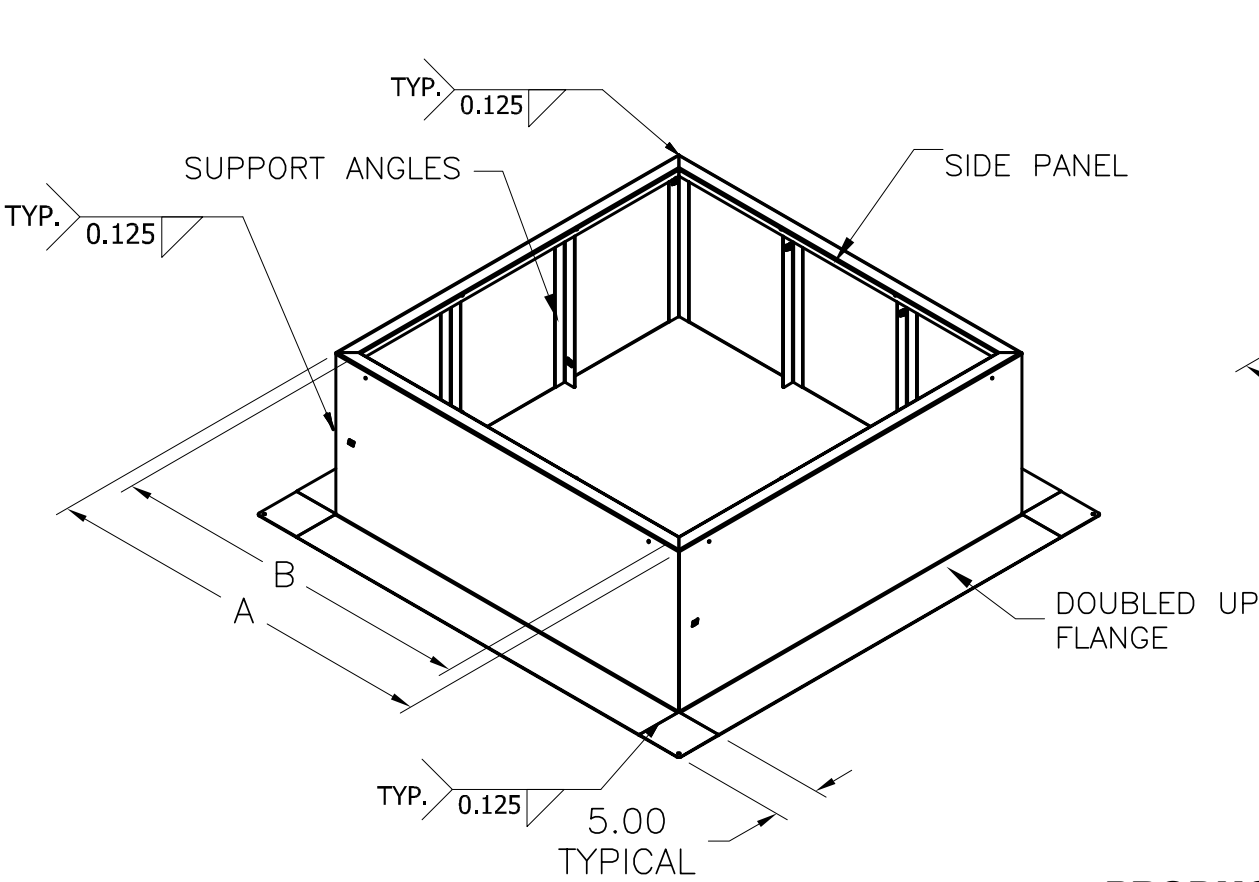
 P.O.BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY OERTEL	ECO
	DATE 12/2023	ENG. REF.
	SUPERSEDES	NOA TESTING
	SCALE	
TITLE VK-H 9-36 VK-HS 9-36 BYPASS AIR PLENUMS SHEET 8 OF 10	CAD DRAWING NO. VK-H-3001	

ALL DIMENSIONS ARE IN INCHES.
MAX. ROOF CURB HEIGHT IS 24 INCHES.
ALL WELDS ARE TYPICAL FOR 1x1, 2x1, & 3x1

UNIT	ACTUAL OUTSIDE (SQ.) A	ACTUAL INSIDE (SQ.) B	MATERIAL	
VEKTOR-H 9	21.00	17.50	12 GA. GALV	
VEKTOR-H 10	21.00	17.50		
VEKTOR-H 12	21.00	17.50		
VEKTOR-H 13	23.00	19.50		
VEKTOR-H 14	27.00	23.50		
VEKTOR-H 16	27.00	23.50		
VEKTOR-H 18	33.00	29.50		
VEKTOR-H 20	33.00	29.50		
VEKTOR-H 22	39.00	35.50		
VEKTOR-H 24	45.00	41.50		
VEKTOR-H 30	51.00	47.50		
VEKTOR-H 36	57.00	53.50		

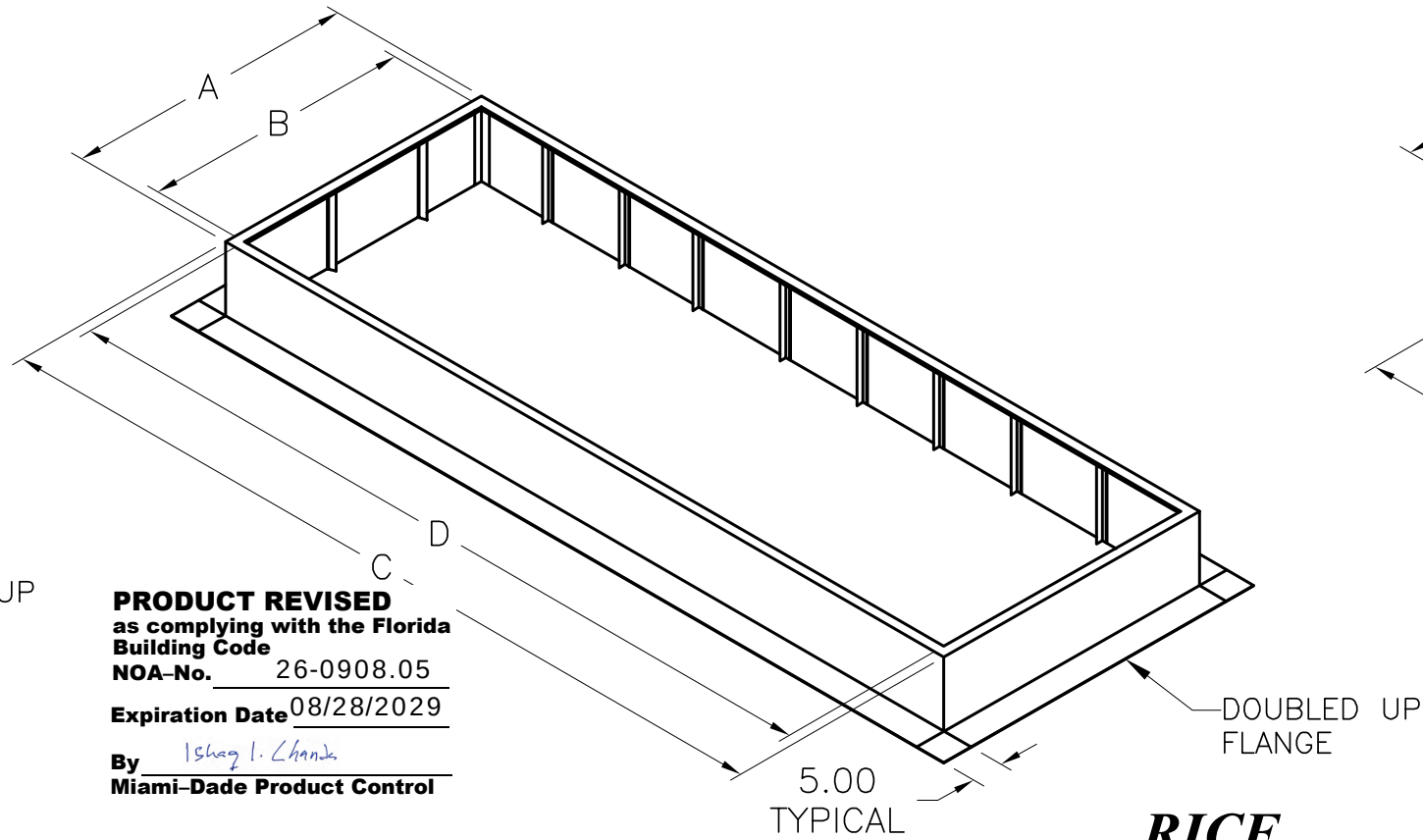
UNIT	ACTUAL OUTSIDE A	ACTUAL INSIDE B	ACTUAL OUTSIDE C	ACTUAL INSIDE D	MATERIAL	
VEKTOR-H 9	21.00	17.50	48.00	44.50	12 GA. GALV	
VEKTOR-H 10	21.00	17.50	48.00	44.50		
VEKTOR-H 12	21.00	17.50	48.00	44.50		
VEKTOR-H 13	23.00	19.50	52.00	48.50		
VEKTOR-H 14	27.00	23.50	60.00	56.50		
VEKTOR-H 16	27.00	23.50	60.00	56.50		
VEKTOR-H 18	33.00	29.50	72.00	68.50		
VEKTOR-H 20	33.00	29.50	72.00	68.50		
VEKTOR-H 22	39.00	35.50	84.00	80.50		
VEKTOR-H 24	45.00	41.50	96.00	92.50		
VEKTOR-H 30	51.00	47.50	108.00	104.50		
VEKTOR-H 36	57.00	53.50	120.00	116.50		

UNIT	ACTUAL OUTSIDE A	ACTUAL INSIDE B	ACTUAL OUTSIDE C	ACTUAL INSIDE D	MATERIAL	
VEKTOR-H 9	21.00	17.50	74.00	70.50	12 GA. GALV	
VEKTOR-H 10	21.00	17.50	74.00	70.50		
VEKTOR-H 12	21.00	17.50	74.00	70.50		
VEKTOR-H 13	23.00	19.50	80.00	76.50		
VEKTOR-H 14	27.00	23.50	92.00	88.50		
VEKTOR-H 16	27.00	23.50	92.00	88.50		
VEKTOR-H 18	33.00	29.50	110.00	106.50		
VEKTOR-H 20	33.00	29.50	110.00	106.50		
VEKTOR-H 22	39.00	35.50	128.00	124.50		
VEKTOR-H 24	45.00	41.50	146.00	142.50		
VEKTOR-H 30	51.00	47.50	164.00	160.50		
VEKTOR-H 36	57.00	53.50	182.00	178.50		

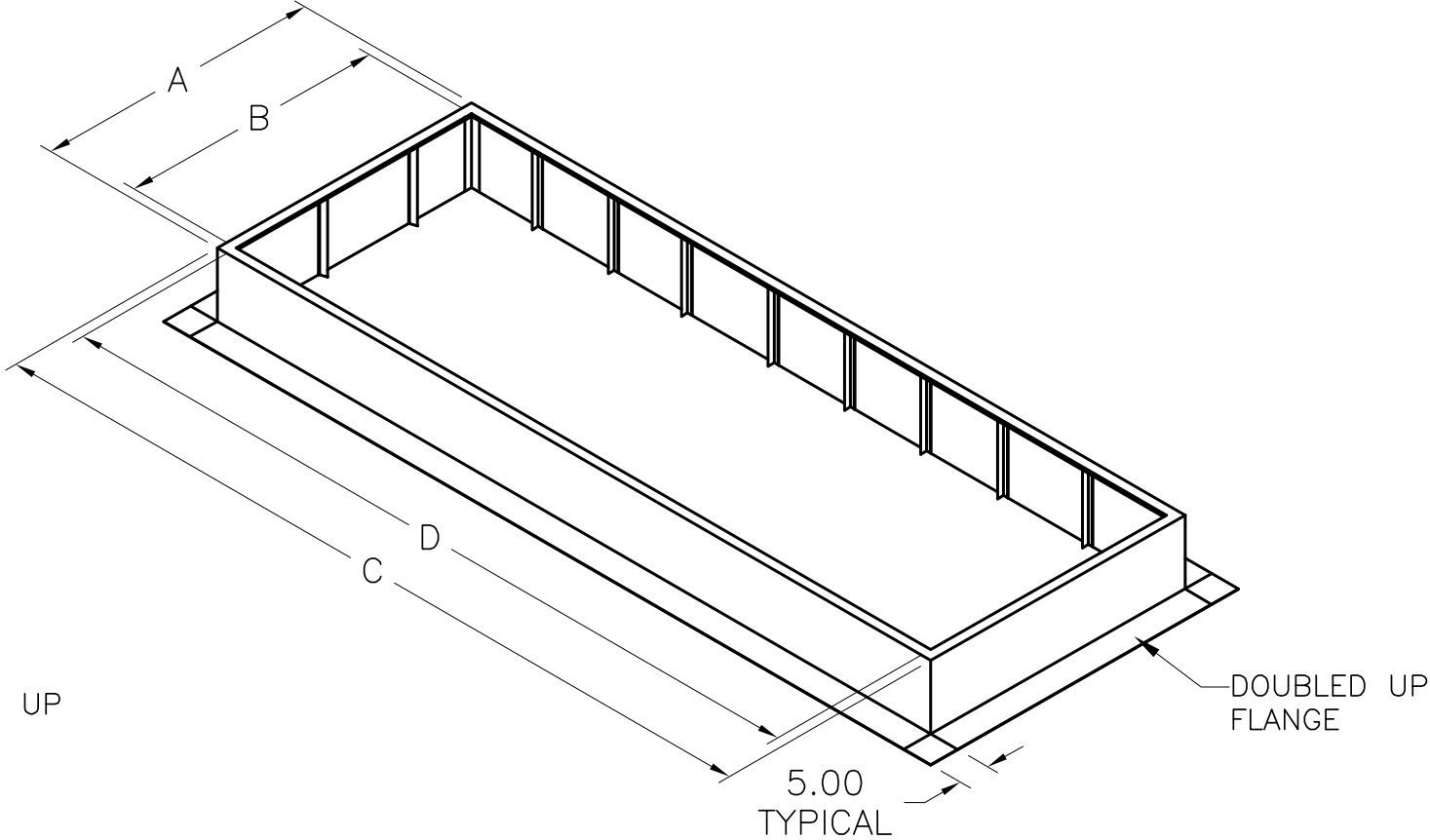


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 26-0908.05
Expiration Date 08/28/2029
By Ismag I. Chank
Miami-Dade Product Control

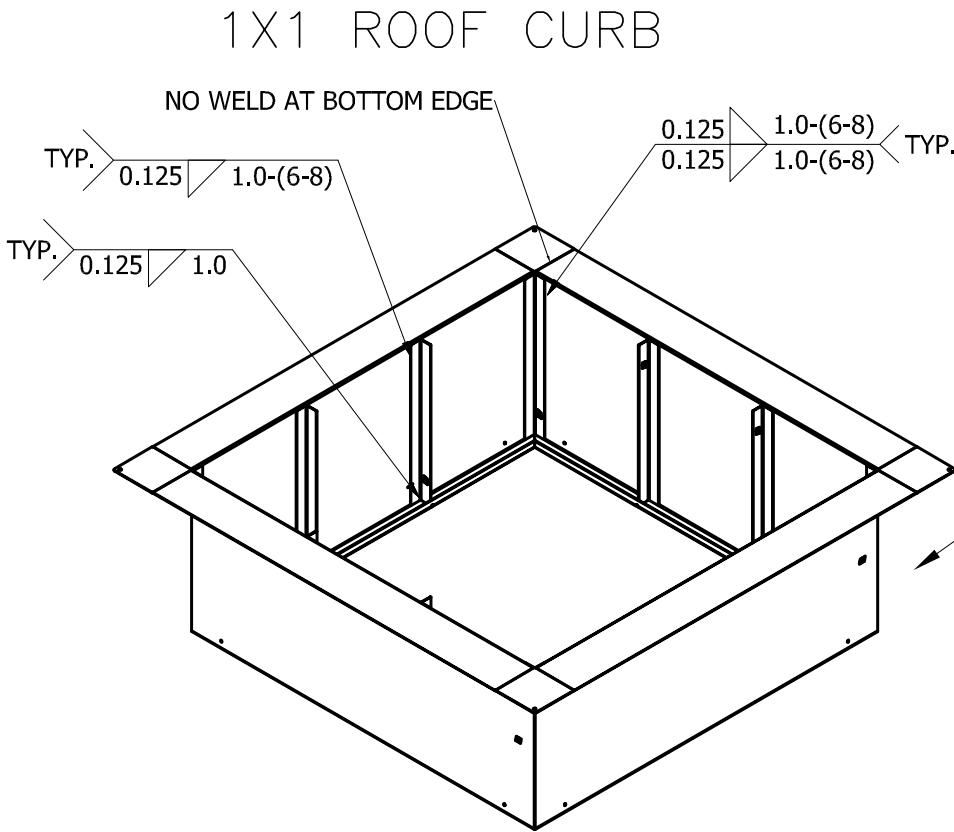
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 24-0123.02
Expiration Date 08/28/2029
By Ismag I. Chank
Miami-Dade Product Control



2X1 ROOF CURB



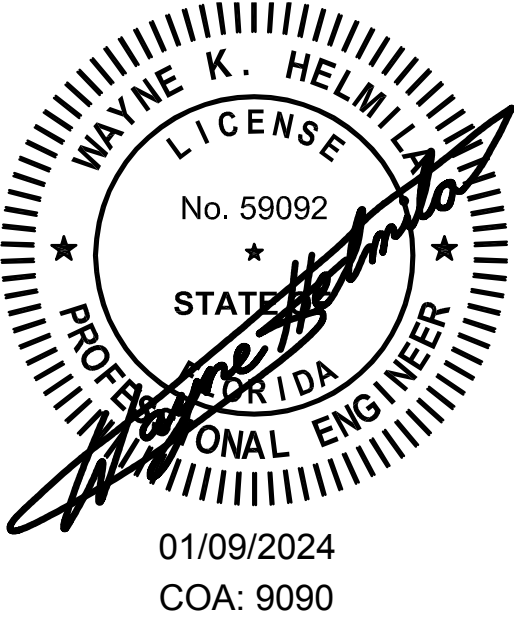
3X1 ROOF CURB



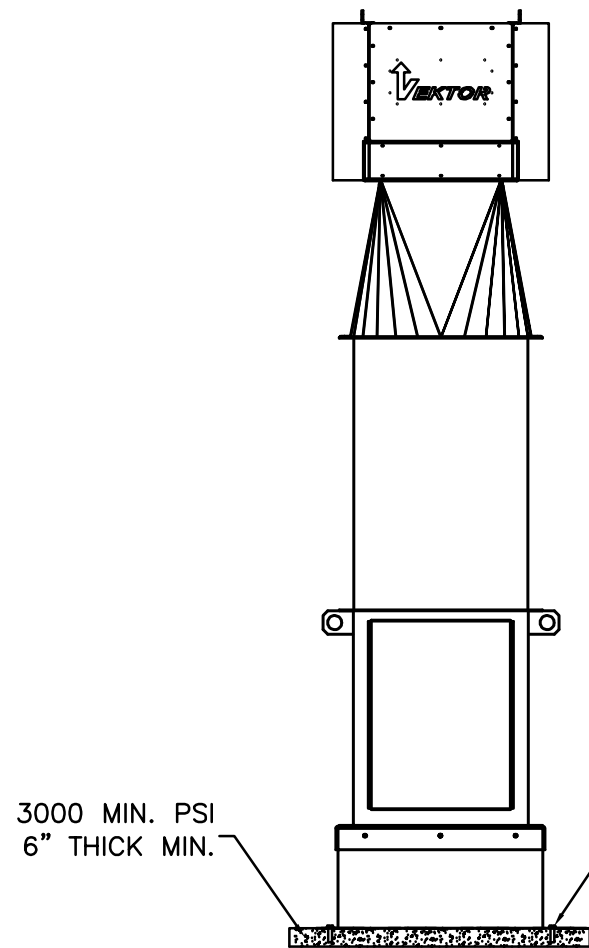
1X1 ROOF CURB

BOTTOM VIEW SHOWN FOR CLARITY

RICE
ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
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



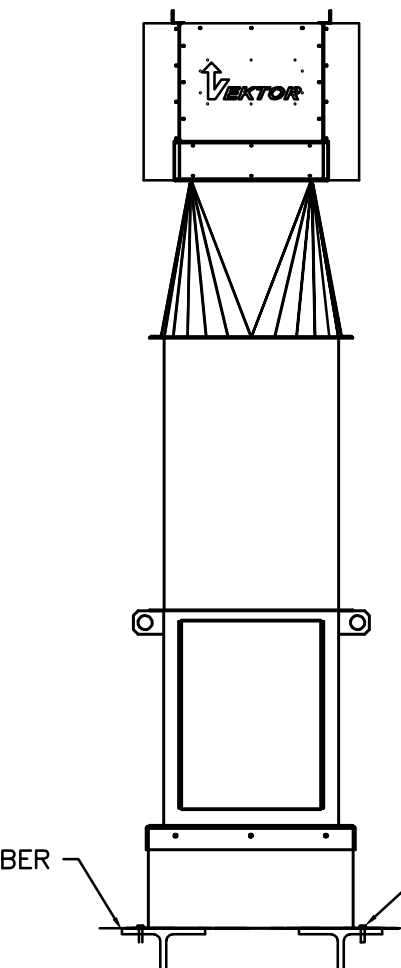
 P.O.BOX 410 SCHOFIELD, WISCONSIN 54476-0410 TITLE VK-H 9-36 VK-HS 9-36 ROOF CURBS SHEET 9 OF 10	DRAWN BY OERTEL	ECO
	DATE 12/2023	ENG. REF.
	SUPERSEDES	NOA TESTING
	SCALE	
CAD DRAWING NO.		VK-H-3001



CONCRETE DECK ANCHORING

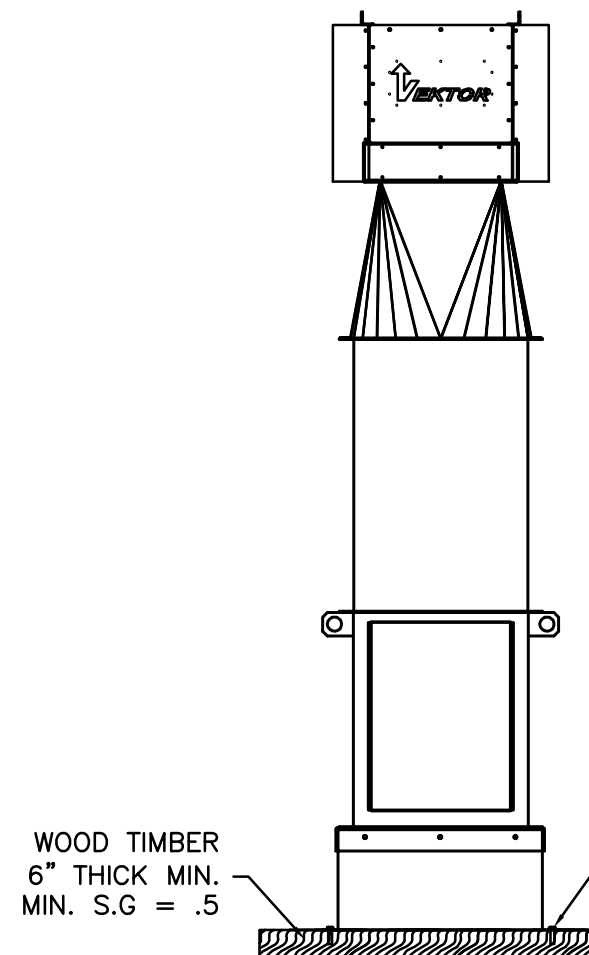
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 26-0908.05
Expiration Date 08/28/2029
By *Ishag I. Chande*
Miami-Dade Product Control

Use 3/4" DIA 300 Series S.S.
Hilti Kwik Bolt TZ2
Embedment: 4 1/2 Min.
Spacing: Per Table Shown
Edge Distance: 6" min.
End Distance: 12" Min.
Assumed Normal Wt. Cracked Concrete
f'c = 3 ksi Min.
Concrete Thickness: 6" Min.
Concrete Designed By Others
Install per Manufacturer's Instructions



STEEL ANCHORING-THRU BOLTS

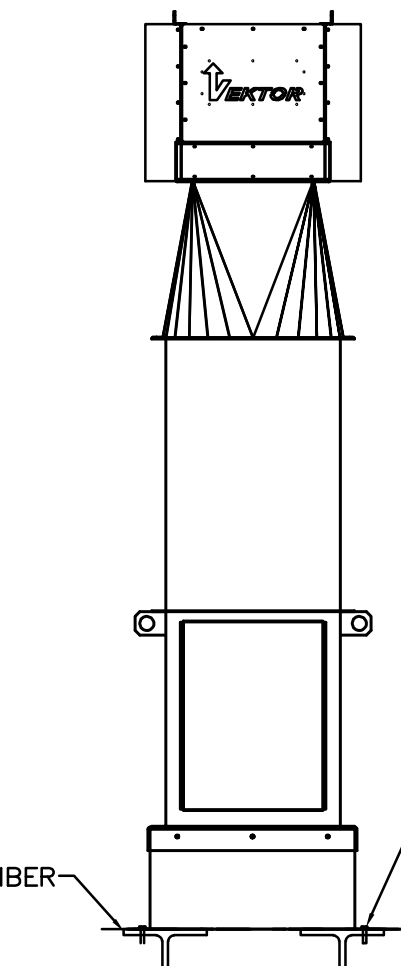
Use 5/8" DIA Thru Bolts
300 Series S.S. Cond. CW. Fy=65ksi
Spacing: Per Table Shown
Edge Distance: 1 1/4" Min.
Assumed Structurally Attached 5/16" Min.
Thick ASTM A36 Steel (Fy=36ksi Min.)
Steel Designed By Others



TIMBER ANCHORING

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 24-0123.02
Expiration Date 08/28/2029
By *Ishag I. Chande*
Miami-Dade Product Control

Use 5/8" DIA 316 S.S. Lag Bolts
(S.G.=0.50 MIN) - Predrill as Recommended
Penetration - 5 7/8"
(Min. of 3 7/8" of Threads to be
Engaged into the Wood)
Spacing: Per Table Shown
Edge Distance: 2 1/2" Min.
End Distance: 4 3/8" Min.
Wood Designed By Others



STEEL ANCHORING-Self DRILL/TAP FASTENERS

Use 5/16" DIA 300 Series S.S. Fasteners
5/16-18 Fasteners with Full Thread Eng.
Spacing: Per Table Shown
Edge/End Distance: 5/8" Min.
Assumed Structurally Attached Steel
5/16" ASTM A36 Steel Fy=36ksi Min.
Steel Designed By Others

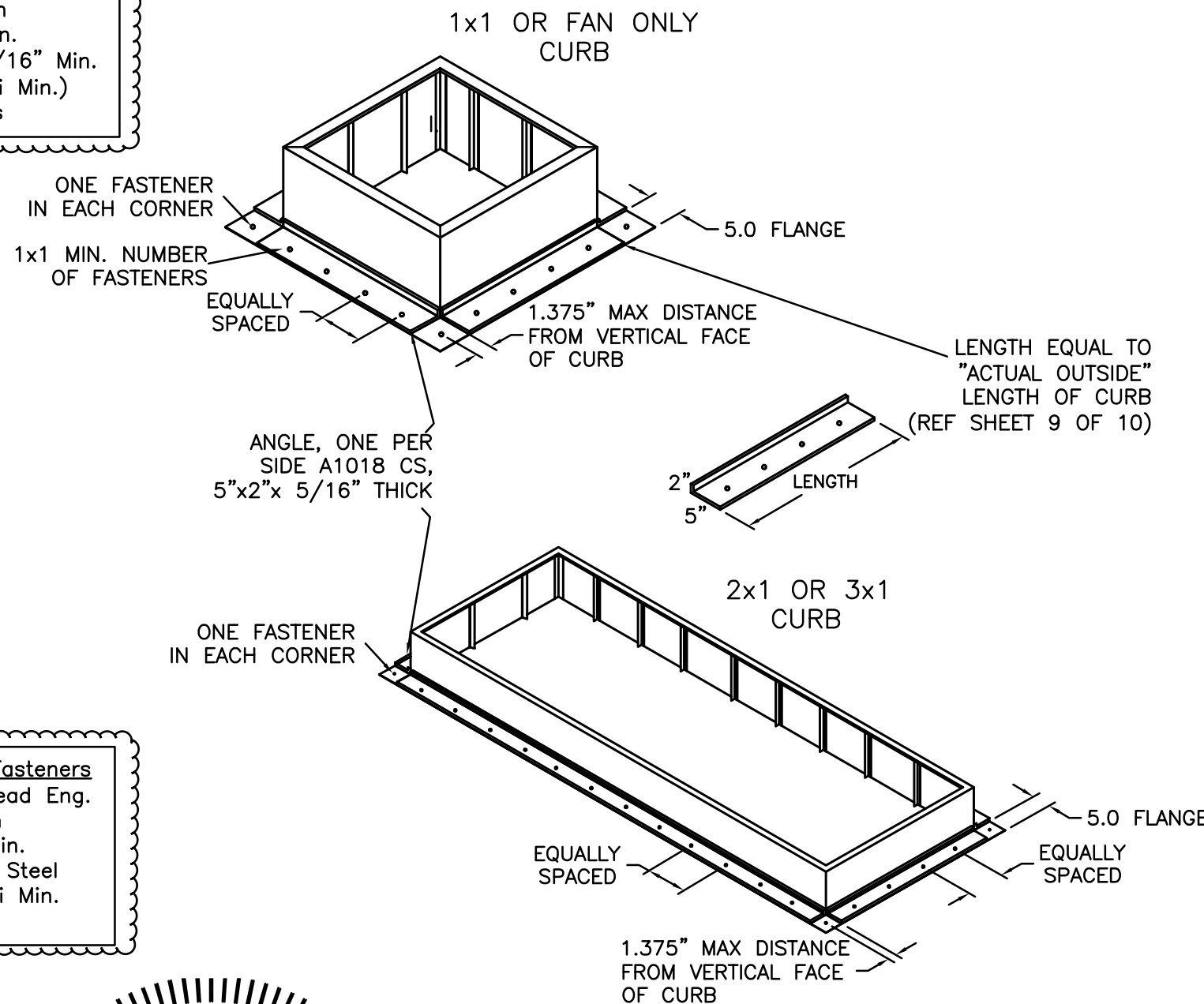
RICE
ENGINEERING

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: #9090
Wayne K. Helmila
Registration No: 59092



01/09/2024
COA: 9090

MODEL	MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH CURB TO STRUCTURE (excludes 4 corner fasteners) USE ONE 2"x2"x1/4" SQUARE WASHER UNDER ALL FASTENERS											
	CONCRETE DECK ANCHORING			STEEL ANCHORING THRU BOLTS			TIMBER ANCHORING			STEEL ANCHORING-Self DRILL/TAP		
	1x1 OR FAN ONLY	2x1	3x1	1x1 OR FAN ONLY	2x1	3x1	1x1 OR FAN ONLY	2x1	3x1	1x1 OR FAN ONLY	2x1	3x1
VEKTOR-H 9	4.00	9.00	14.00	2.00	5.00	8.00	5.00	10.00	16.00	7.00	13.00	20.00
VEKTOR-H 10												
VEKTOR-H 12												
VEKTOR-H 13												
VEKTOR-H 14												
VEKTOR-H 16												
VEKTOR-H 18												
VEKTOR-H 20	8.00	13.00	14.00	3.00	6.00	9.00	6.00	12.00	18.00	8.00	14.00	22.00
VEKTOR-H 22												
VEKTOR-H 24												
VEKTOR-H 30	5.00	10.00	15.00	3.00	6.00	9.00	6.00	12.00	18.00	8.00	14.00	22.00
VEKTOR-H 36	6.00	12.00	18.00		7.00	11.00	8.00	14.00	22.00	9.00	17.00	26.00





P.O.BOX 410 SCHOFIELD, WISCONSIN 54476-0410

TITLE

VEKTOR-H 9-36
VEKTOR-HS 9-36
ROOF CURB INSTALLATION
SHEET 10 OF 10

DRAWN BY	OERTEL	ENG. REF.	NOA TESTING
DATE	12/2023		
SUPERSEDES			
SCALE	1/25		
CAD DRAWING NO.			

VK-H-3001

B