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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 renewal 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 & renews NOA # 22-0217.03 and consists of this page 1 and evidence pages E-1, E-2, E-

3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

Ishag 1. Chank

MIAMI-DADE COUNTY

NOA No. 24-0123.02 Expiration Date: August 28, 2029 Approval Date: February 22, 2024 Page 1

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

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. Chande

Ishaq I. Chanda, P.E. Product Control Unit Supervisor NOA No. 24-0123.02 Expiration Date: August 28, 2029 Approval Date: February 22, 2024

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.

Ishag 1. Chande

Ishaq I. Chanda, P.E. Product Control Unit Supervisor NOA No. 24-0123.02 Expiration Date: August 28, 2029 Approval Date: February 22, 2024

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.

Isheg 1. Chank

Ishaq I. Chanda, P.E. Product Control Unit Supervisor NOA No. 24-0123.02 Expiration Date: August 28, 2029 Approval Date: February 22, 2024

Greenheck Fan Corporation

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.

Ishag 1. Chande

Ishaq I. Chanda, P.E. Product Control Unit Supervisor NOA No. 24-0129.03 Expiration Date: August 28, 2029 Approval Date: February 22, 2024

6. New Evidence submitted

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

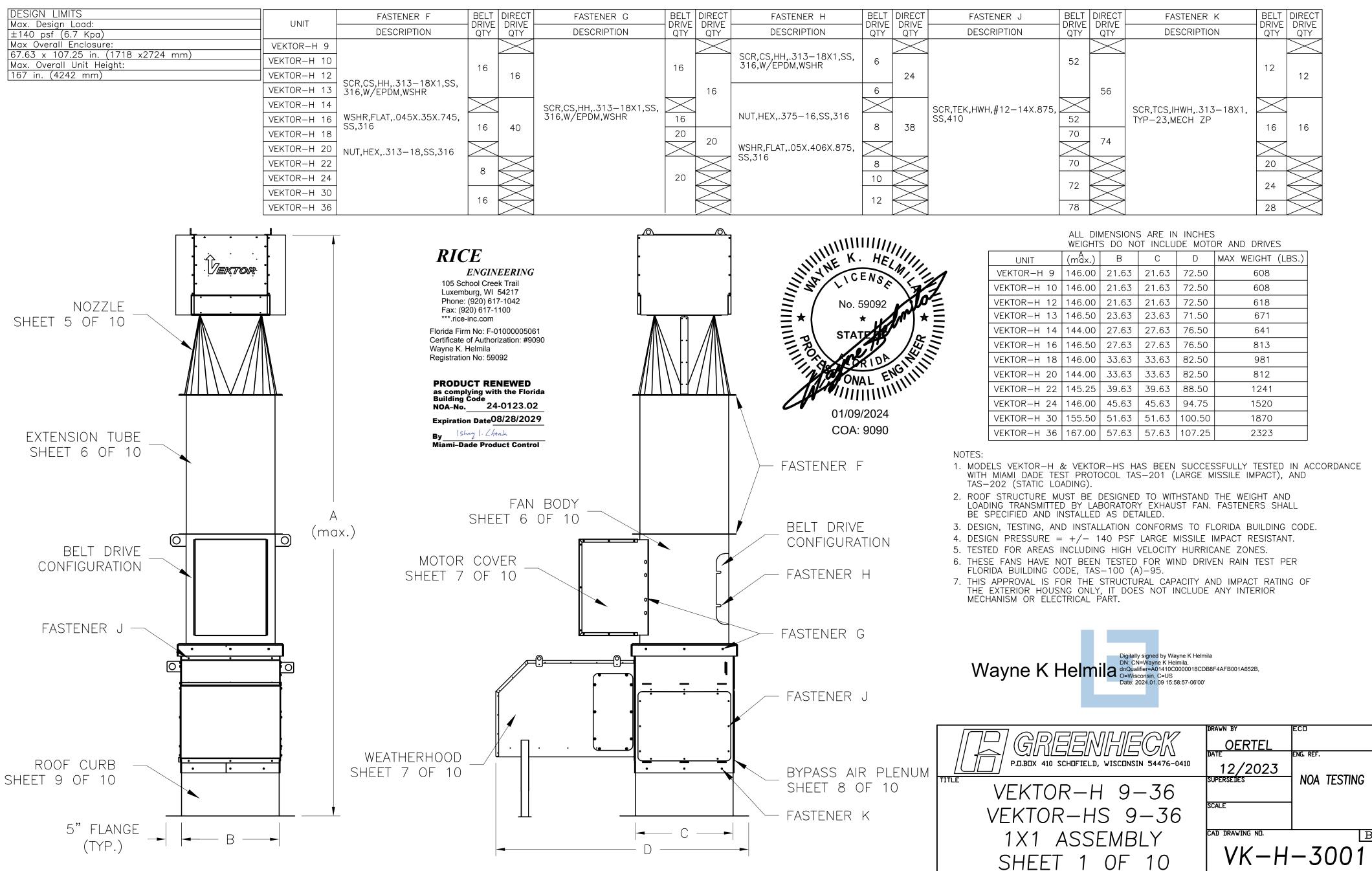
- 1. Statement letters of conformance to FBC 2023(8th Edition) & "Renewal with No product or drawing changes" dated 01/09/24, prepared Rice Engineering, signed sealed by Wayne K. Helmila, P.E.
- 2. Renewal request statement letter by Greenheck Fan Corp. "Renewal with No product or drawing changes" dated 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.

Ishag 1. Chand

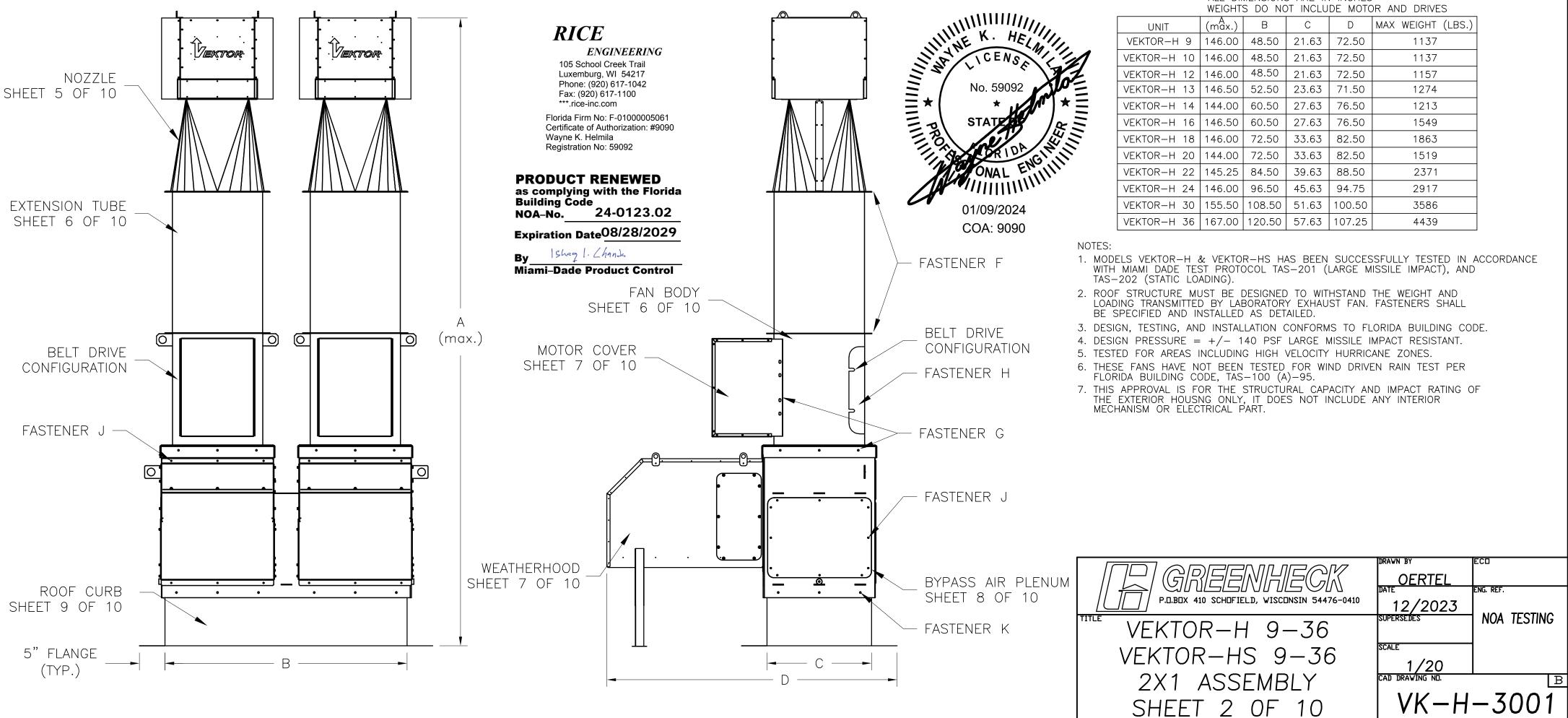
Ishaq I. Chanda, P.E. Product Control Unit Supervisor NOA No. 24-0129.03 Expiration Date: August 28, 2029 Approval Date: February 22, 2024



DESCRIPTION C	BELT RIVE QTY	DIRECT DRIVE QTY	FASTENER J DESCRIPTION	BELT DRIVE	DIRECT DRIVE	FASTENER K	BELT DRIVE	DIRECT DRIVE
DESCRIPTION G			DESCRIPTION					
				QTY	QTY	DESCRIPTION	QTY	QTY
SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	6	24		52	\ge		12	12
NUT,HEX,.375–16,SS,316 WSHR,FLAT,.05X.406X.875, SS,316	6 8 8 10 12	38	SCR,TEK,HWH,#12-14X.875, SS,410	52 70 70 72 78	56 74	SCR,TCS,IHWH,.313-18X1, TYP-23,MECH ZP	16 20 24 28	16

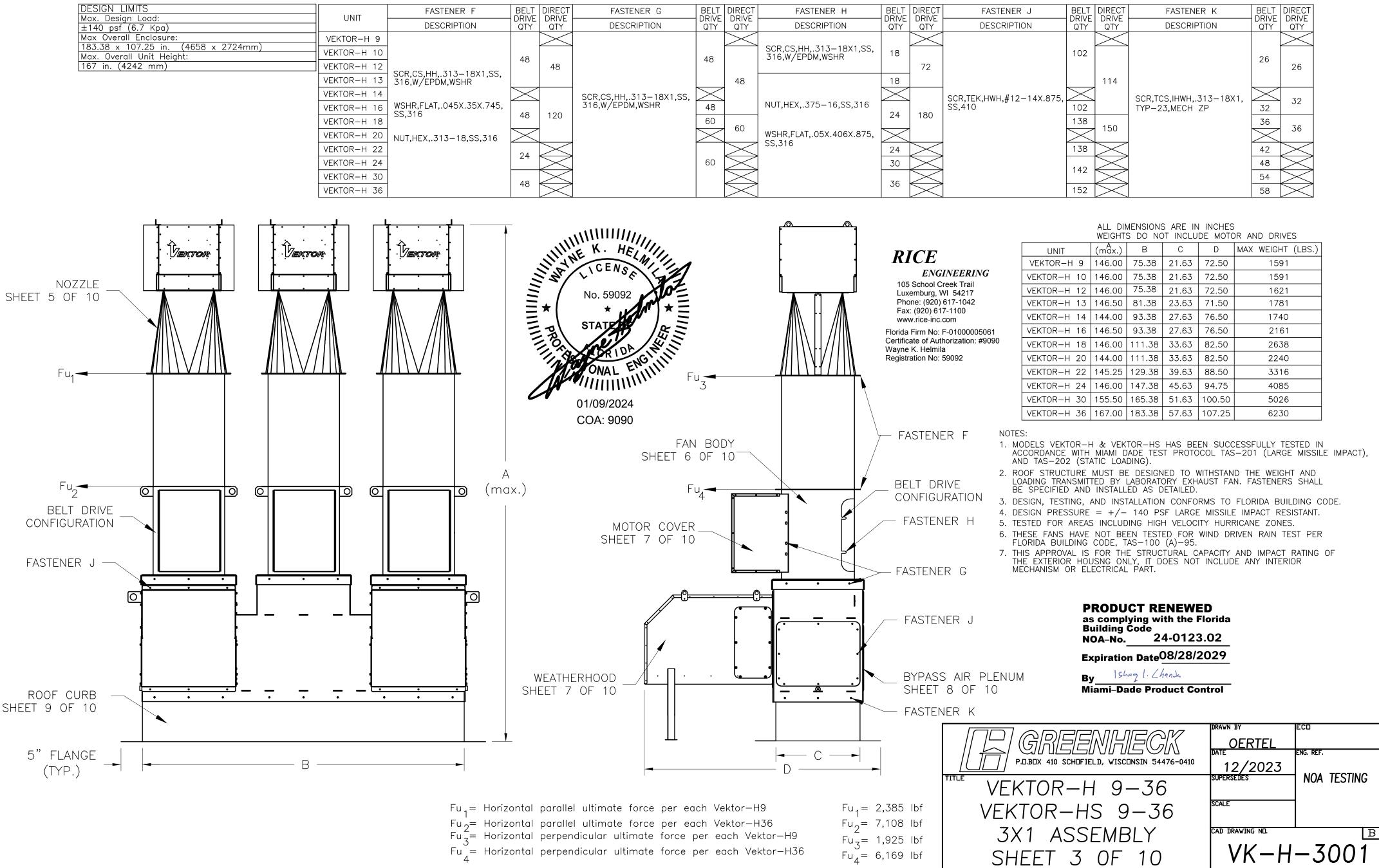
В

DESIGN LIMITS Max. Design Load: ±140 psf (6.7 Kpa)	UNIT	FASTENER F DESCRIPTION	BELT DIRECT DRIVE DRIVE QTY QTY	FASTENER G DESCRIPTION	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER H DESCRIPTION	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER J DESCRIPTION	BELT DRIVE QTY	DIRECT DRIVE QTY	FASTENER K DESCRIPTION	BELT DIRECT DRIVE DRIVE QTY QTY
Max Overall Enclosure: 130.50 x 107.25 in. (3315 x 2724mm) Max. Overall Unit Height: 167 in. (4242 mm)	VEKTOR-H 9 VEKTOR-H 10 VEKTOR-H 12 VEKTOR-H 13	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	32 32		32	32	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	12	48		80	88		18 18 20 20
	VEKTOR-H 14 VEKTOR-H 16 VEKTOR-H 18		32 80	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	32 40	40	NUT,HEX,.375-16,SS,316	16	76	SCR,TEK,HWH,#12-14X.875, SS,410	80 108	116	SCR,TCS,IHWH,.313-18X1, TYP-23,MECH ZP	20 20 24 24 26 26
	VEKTOR-H 20 VEKTOR-H 22 VEKTOR-H 24 VEKTOR-H 30	NUT,HEX,.313-18,SS,316	16		40	+0	WSHR,FLAT,.05X.406X.875, SS,316	16 20	$\left \right\rangle$	>	108 112			32 36 38
	VEKTOR-H 36		32			$\mathbf{\mathbf{\mathbf{5}}}$		24	\leq		120	$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$		44



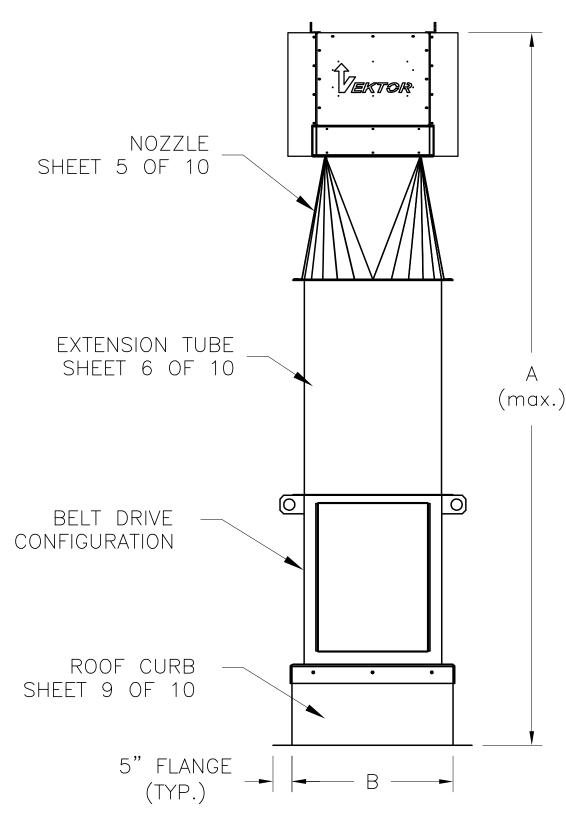
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							MOTOD	,

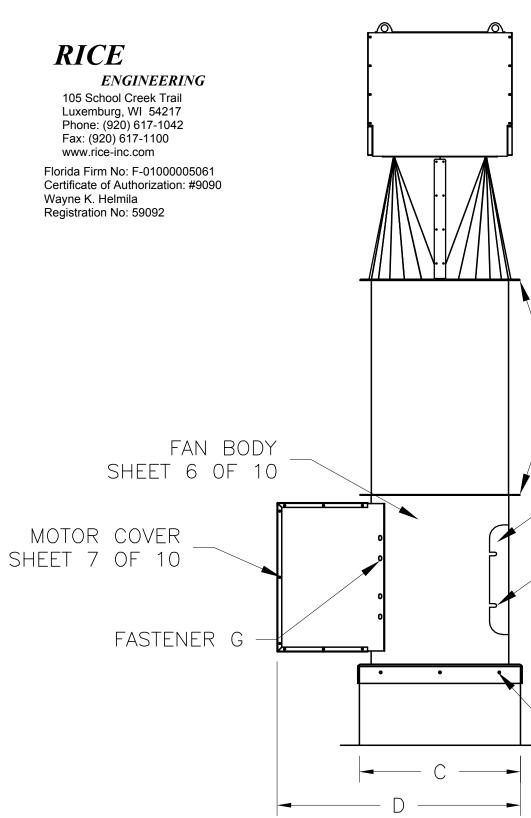
UNIT	(max.)	В	С	D	MAX WEIGHT (LBS.)				
VEKTOR-H 9	146.00	48.50	21.63	72.50	1137				
VEKTOR-H 10	146.00	48.50	21.63	72.50	1137				
VEKTOR-H 12	146.00	48.50	21.63	72.50	1157				
VEKTOR-H 13	146.50	52.50	23.63	71.50	1274				
VEKTOR-H 14	144.00	60.50	27.63	76.50	1213				
VEKTOR-H 16	146.50	60.50	27.63	76.50	1549				
VEKTOR-H 18	146.00	72.50	33.63	82.50	1863				
VEKTOR-H 20	144.00	72.50	33.63	82.50	1519				
VEKTOR-H 22	145.25	84.50	39.63	88.50	2371				
VEKTOR-H 24	146.00	96.50	45.63	94.75	2917				
VEKTOR-H 30	155.50	108.50	51.63	100.50	3586				
VEKTOR-H 36	167.00	120.50	57.63	107.25	4439				



CT √E	FASTENER H	BELT DRIVE	DIRECT DRIVE	FASTENER J	BELT DRIVE	DIRECT DRIVE	FASTENER K	BELT DRIVE	DIRECT DRIVE
YE Y	DESCRIPTION	QTY	QTY	DESCRIPTION	QTY	QTY	DESCRIPTION	QTY	QTY
\bigvee	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	18	72		102	\searrow		26	26
	NUT,HEX,.375-16,SS,316	18	180	SCR,TEK,HWH,#12-14X.875, SS,410	102	114	SCR,TCS,IHWH,.313-18X1, TYP-23,MECH ZP	32	32
	WSHR,FLAT,.05X.406X.875, SS,316	24 24 24	180		138 138	150		36 42	36
		30 36			142 152			48 54 58	

DESIGN LIMITS Max. Design Load:	UNIT	FASTENER F	BELT DRIVE	DIRECT DRIVE	FASTENER G	BELT	DIRECT DRIVE	FASTENER H	BELT	DIRECT DRIVE	FASTENER K	BELT	DIRECT DRIVE
$\pm 140 \text{ psf} (6.7 \text{ Kpa})$		DESCRIPTION		QTY	DESCRIPTION	QTY	QTY	DESCRIPTION		QTY	DESCRIPTION	QTY	QTY
Max Overall Enclosure:	VEKTOR-H 9			\succ			\searrow			\searrow			\searrow
67.63 x 75.50 in. (1718 x 1918 mm) Max. Overall Unit Height:	VEKTOR-H 10		16					SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR	6			12	
167 in. (4242 mm)	VEKTOR-H 12			16		-				24			12
	VEKTOR-H 13	SCR,CS,HH,.313-18X1,SS, 316,W/EPDM,WSHR					16		6				
	VEKTOR-H 14		\boxtimes		SCR,CS,HH,.313–18X1,SS, 316,W/EPDM,WSHR	\ge			\geq		SCR,TCS,IHWH,.313-18X1,	\square	
	VEKTOR-H 16	WSHR,FLAT,.045X.35X.745, SS,316	1.0	10	316,W/EPDM,WSHR	1		NUT,HEX,.375-16,SS,316	0	38	TYP-23,MECH ZP	1.0	16
PRODUCT RENEWED as complying with the Florida	VEKTOR-H 18	33,310	16	40		4	20		l o	30		16	10
Building Čode	VEKTOR-H 20	NUT,HEX,.313-18,SS,316	\boxtimes			\ge	20	WSHR,FLAT,.05X.406X.875,	$\mathbf{>}$			\square	
NOA-No. 24-0123.02	VEKTOR-H 22		16	\triangleright			\ge	SS,316	8	\ge		20	\searrow
Expiration Date08/28/2029	VEKTOR-H 24		16	\triangleright		4	\ge		10	\geq		24	\searrow
By Ishaq I. Chank	VEKTOR-H 30		32	\geq			\geq		12				
Miami-Dade Product Control	VEKTOR-H 36			\mid			\mid			\triangleright		28	





No. 59092 * STATE BORIDA			MENSIONS			R AND DRIVES		
ICENS	UNIT	(max.)	В	С	D	MAX WEIGHT (LBS.)	$\overline{)}$	
I'M' L' AL	VEKTOR-H 9	146.00	21.63	21.63	33.75	407	1	
No. 59092	VEKTOR-H 10	146.00	21.63	21.63	33.75	407	-	
	VEKTOR-H 12	146.00	21.63	21.63	33.75	417	-	
STATE A STATE A ONAL ENGINITION 01/09/2024	VEKTOR-H 13	146.50	23.63	23.63	36.75	451		
	VEKTOR-H 14	144.00	27.63	27.63	40.00	606		
RIDA	VEKTOR-H 16	146.50	27.63	27.63	40.00	559		
ONAL ENTIT	VEKTOR-H 18	146.00	33.63	33.63	48.25	665		
	VEKTOR-H 20	144.00	33.63	33.63	48.25	757		
01/09/2024	VEKTOR-H 22	145.25	39.63	39.63	53.75	829		
	VEKTOR-H 24	146.00	45.63	45.63	59.75	1009		
COA: 9090	VEKTOR-H 30	154.00	51.63	51.63	68.25	1259		
	VEKTOR-H 36	144.00	57.63	57.63	75.50	1537		
TAS 2. ROC LOA BELT DRIVE CONFIGURATION 4. DES 5. TES 5. TES 6. THE FASTENER H 7. THIS THE	–202 (STATIC LO. DING TRANSMITTED SPECIFIED AND IN IGN, TESTING, AN IGN PRESSURE = TED FOR AREAS I SE FANS HAVE N RIDA BUILDING CO	ADING). JST BE I O BY LAB NSTALLED D INSTAL +/- 1 NCLUDIN OT BEEN DDE, TAS OR THE NG ONLY	DESIGNED BORATOR AS DET LATION (40 PSF G HIGH TESTED – 100 (A STRUCTU , IT_ DOE	TO WIT Y EXHAU AILED. CONFORM LARGE M /ELOCITY FOR WI)-95. RAL CAP	HSTAND ST FAN. IS TO FL IISSILE II HURRIC. ND DRIVE ACITY AN	EN RAIN TEST PER ID IMPACT RATING (DDE.	
	VEI VEK	KTOR (TOR-	-HS	9–3 9–3	6 36	OERTI DATE -0410 12/20 SUPERSEDES SCALE	EL 023 N(ref. OA TESTING
	1X1 ASSE SF	-MBL IEET				VK-		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

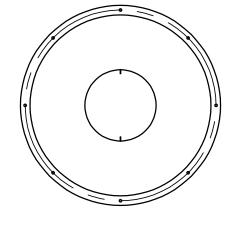
HRS POCS=HOT ROLLED STEEL, PICKLED AND OILED COMMERCIAL STEEL

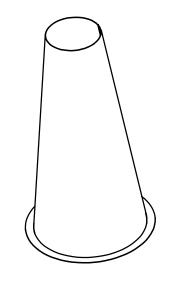
CRS DS=COLD ROLLED STEEL, DRAWING STEEL

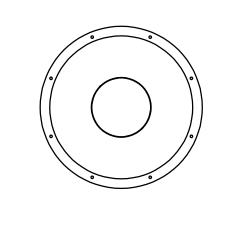
HRS POCS & CRS DS MATERIALS ARE COVERED WITH AN ELECTROSTATIC POWDER COATING

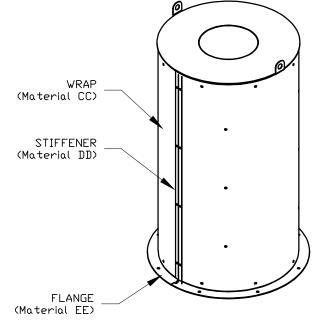
UNIT SIZE	А	В	С	CONE	FLANGE		
VEKTOR-H 9	43.00	18.38	21.63				
VEKTOR-H 10	43.00	18.38	21.63				
VEKTOR-H 12	43.00	18.38	21.63				
VEKTOR-H 13	43.00	20.38	23.63				
VEKTOR-H 14	43.00	24.38	27.63				
VEKTOR-H 16	43.00	24.38	27.63	16 GA.	10 GA		
VEKTOR-H 18	43.00	30.38	33.63	CRS DS	HRS POCS		
VEKTOR-H 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				

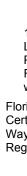
						MATERIAL	
UNIT SIZE	А	В	С	QTY. W	WRAP	STIFFENER	FLANGE
VEKTOR-H 9	43.00	18.38	21.63	40			
VEKTOR-H 10	43.00	18.38	21.63	40			
VEKTOR-H 12	43.00	18.38	21.63	40			
VEKTOR-H 13	43.00	20.38	23.63	40			
VEKTOR-H 14	43.00	24.38	27.63	44			
VEKTOR-H 16	43.00	24.38	27.63	44	18 GA.	18 GA.	10 GA
VEKTOR-H 18	43.00	30.38	33.63	44	CRS DS	CRS DS	HRS POCS
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			

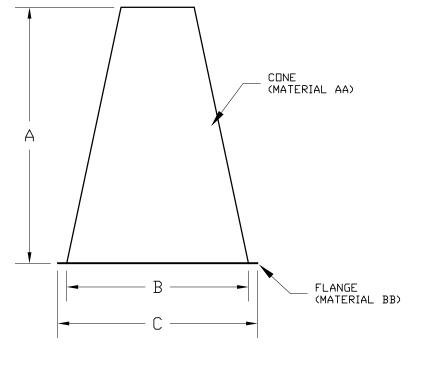












VEKTOR-H NOZZLE

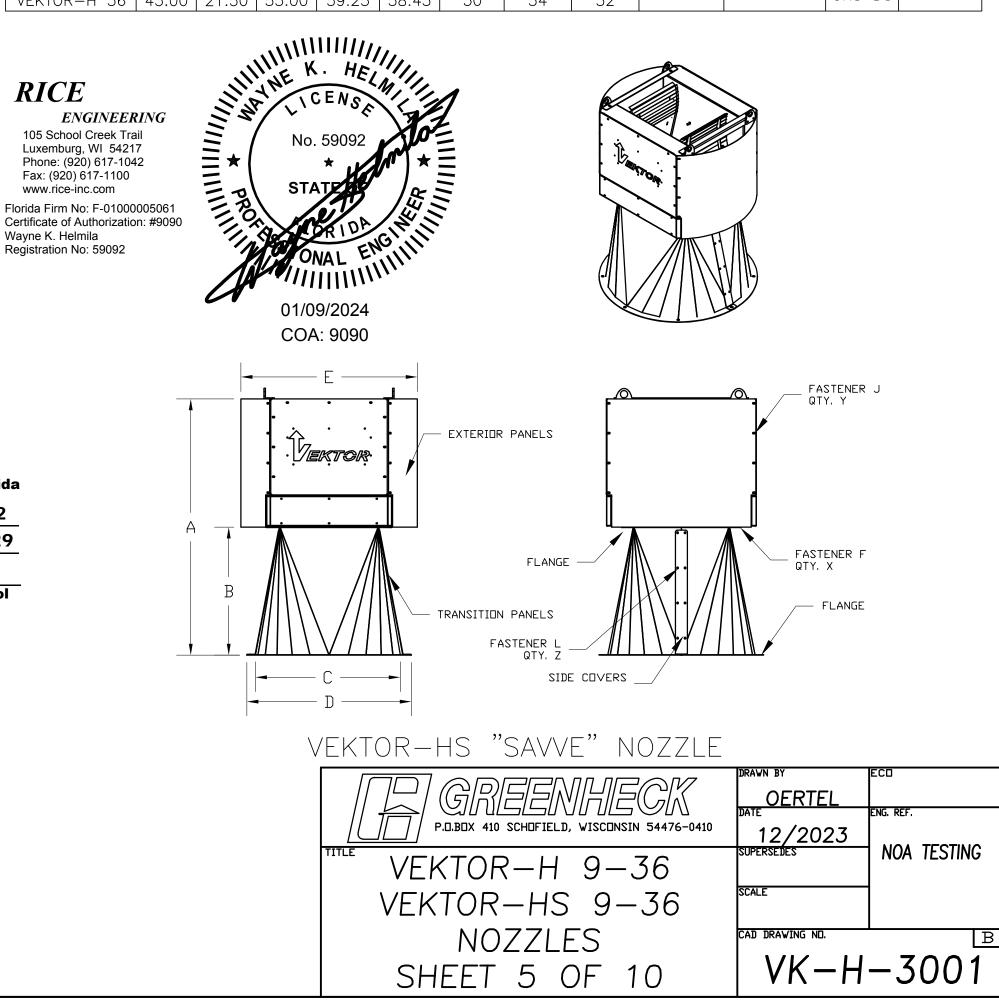
PRODUCT RENEWED as complying with the Florida Building Code 24-0123.02 NOA-No. Expiration Date08/28/2029

Ishaq I. Chank. By Miami-Dade Product Control

Α . FASTENER J QTY. W ٠

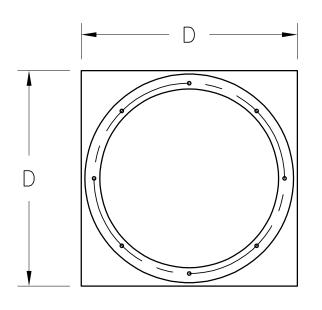
VEKTOR-H ATTENUATING NOZZLE

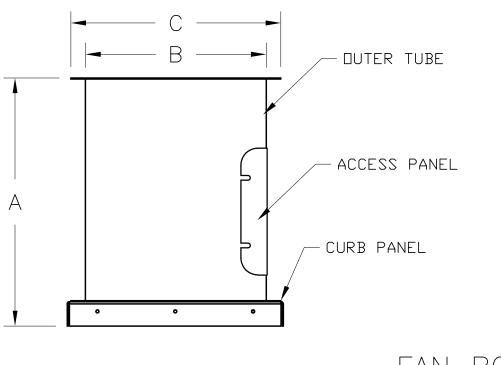
										MATER	IAL	
UNIT SIZE	А	В	С	D	E	QTY. X	QTY. Y	QTY. Z	EXTR PNL	TRANSN PNL	SD CVR	FLG's
VEKTOR-H 9	43.00	21.50	18.38	21.63	25.04	22	42	16				
VEKTOR-H 10	43.00	21.50	18.38	21.63	25.04	22	42	16				
VEKTOR-H 12	43.00	21.50	18.38	21.63	25.04	22	42	16				
VEKTOR-H 13	43.00	21.50	20.38	23.63	25.04	22	42	16			16 GA.	
VEKTOR-H 16	43.00	21.50	24.38	27.63	29.57	26	44	16	16 GA.	14 GA.	CRS DS	10 GA
VEKTOR-H 18	43.00	21.50	30.38	33.63	33.33	26	44	16	CRS DS	CRS DS		HRS POCS
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				
VEKTOR-H 30	43.00	21.50	48.50	52.75	47.48	30	50	32			14 GA.	
VEKTOR-H 36	43.00	21.50	55.00	59.25	58.43	30	54	32			CRS DS	



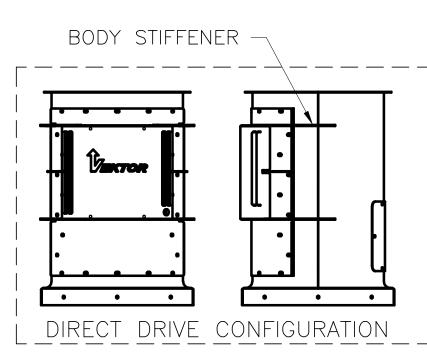
ALL DIMENSIONS ARE IN INCHES. HRS POCS=HOT ROLLED STEEL, PICKLED AND OILED COMMERCIAL STEEL CRS DS=COLD ROLLED STEEL, DRAWING STEEL HRS POCS & CRS DS MATERIALS ARE COVERED WITH AN ELECTROSTATIC POWDER COATING

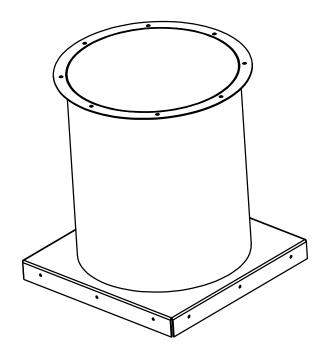
	BELT DRIVE	DIRECT DRIVE				DIRECT DRIVE BODY STIFFENER		MATERIAL	
UNIT SIZE	А	A	В	С	D		OUTR TUBE	CURB PNL	ACS PNL
VEKTOR-H 9	25.50	\geq	18.65	21.65	22.00				
VEKTOR-H 10	25.50	31.50	18.65	21.65	22.00				
VEKTOR-H 12	25.50	31.50	18.65	21.65	22.00	4			
VEKTOR-H 13	27.00	32.50	20.58	23.58	24.00		12 GA.		12 GA.
VEKTOR-H 14	\searrow	37.50	24.58	27.58	28.00	6	HRS POCS		HRS POCS
VEKTOR-H 16	31.00	37.50	24.58	27.58	28.00	0		12 GA.	
VEKTOR-H 18	33.50	41.50	30.58	33.58	34.00	8		HRS POCS	
VEKTOR-H 20	\searrow	41.50	30.58	33.58	34.00	0			
VEKTOR-H 22	37.75	\triangleright	36.58	39.58	40.00				
VEKTOR-H 24	42.00	\triangleright	42.79	45.79	46.00		10 GA.		10 GA.
VEKTOR-H 30	51.00	\geq	48.77	52.77	52.00		HRS POCS		HRS POCS
VEKTOR-H 36	56.50	\geq	55.27	59.27	58.00				





FAN BODY





Certificate of Authorization: #9090 Wayne K. Helmila Registration No: 59092

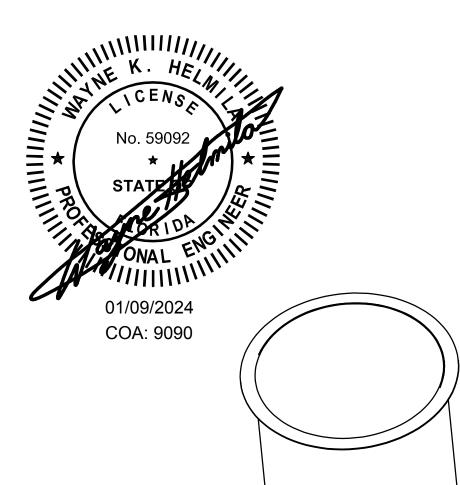
PRODUCT RENEWED as complying with the Florida Building Code NOA-No. 24-0123.02

Expiration Date08/28/2029 By_ Ishaq I. Chands Miami-Dade Product Control

	BELT	DRIVE	DIRECT	DRIVE			MATERIAL
UNIT SIZE	A1	A ₂	A1	A2	В	С	EXTENSION
VEKTOR-H 9	29.00	55.50	$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$	\ge	18.65	21.65	
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	\triangleright	\ge	12.00	42.00	24.58	27.58	
VEKTOR-H 16	21.00	51.00	12.00	42.00	24.58	27.58	12 GA.
VEKTOR-H 18	17.00	48.00	7.00	38.00	30.58	33.58	HRS POCS
VEKTOR-H 20	\triangleright	\searrow	7.00	38.00	30.58	33.58	
VEKTOR-H 22	9.00	43.00	\ge	\searrow	36.58	39.58	
VEKTOR-H 24	N/A	37.00	\searrow	\searrow	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	

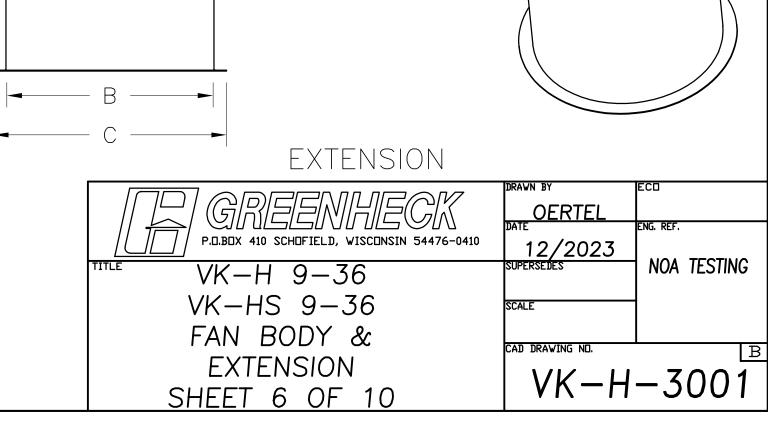
A_1 =DIMENSION IN RELATION TO SHEETS 1,2, & 3 OF 10 A_2 =DIMENSION IN RELATION TO SHEET 4 OF 10

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



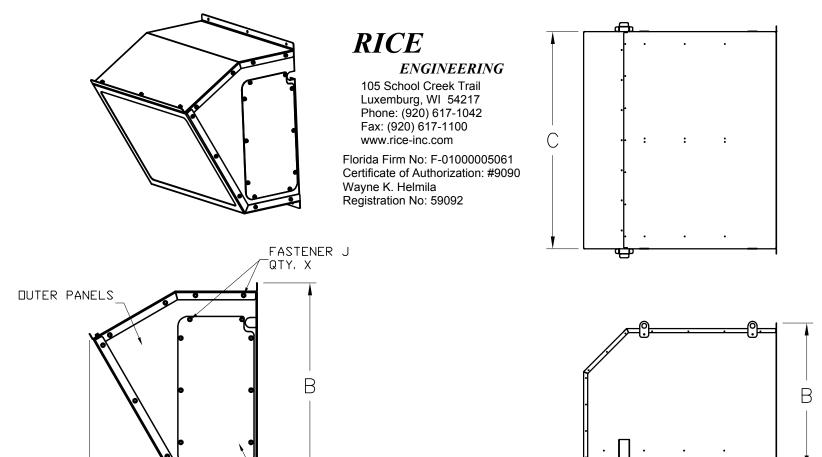


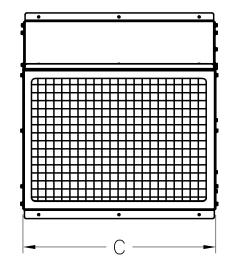
А



			FASTENER J	MATERIAL		
UNIT SIZE	A	В	С	QTY. X	DESCRIPTION	PANELS/DOORS
VEKTOR-H 9	17.88	24.50	22.25	38		
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	SCR,TEK,HWH, #12-14X.875, SS,410	
VEKTOR-H 16	22.00	27.50	28.00	40		14 GA CRS DS
VEKTOR-H 18	22.25	28.25	34.13	40		THE GALERS DS
VEKTOR-H 20	22.25	28.25	34.13	40	33,110	
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		

						FASTENER G	FASTENER J	MATERIAL							FASTENER J	MATER
UNIT SIZE	A	В	С	QTY. Y	QTY. Z	DESCRIPTION	DESCRIPTION	PANELS/DOOR/LEGS		UNIT SIZE	A	В	С	QTY W.		PANEL
VEKTOR-H 9	48.00	24.50	22.25	8	58					VEKTOR-H 9	14.50			16		
VEKTOR-H 10	48.00	24.50	22.25	8	58					/EKTOR-H 10	14.50	20.13		16		
VEKTOR-H 12	48.00	24.50	22.25	8	58					/EKTOR-H 12		20.13		16		
VEKTOR-H 13	48.00	25.50	24.18	8	62					/EKTOR-H 13	14.50			16	SCR,TEK,HWH,	
VEKTOR-H 14	48.00	27.50	28.00	8	62	SCR CS HH	SCR,TEK,HWH,			/EKTOR-H 16		21.13	16.00	16	#12-14X.875,	18 GA.
VEKTOR-H 16	48.00	27.50	28.00	8	62	SCR,CS,HH, .313-18X1,	#12-14X.875,	16 GA. GVNL		EKTOR-H 18		22.25	16.00	18	SS,410	CSB
VEKTOR-H 18	48.00	28.25	34.13	8	62	SS,316, W/EPDM,WSHR	" SS,410	CSB		EKTOR-H 22	17.75	26.63		20	-	
/EKTOR-H 20	48.00	28.25	34.13	8	62					EKTOR-H 24	17.75	28.13 30.63		20 24	-	
EKTOR-H 22	48.00	31.50	40.13	8	64					/EKTOR-H 30 /EKTOR-H 36	21.00				-	
/EKTOR-H 24	48.00	34.50	46.13	8	72	-			L			54.05	22.75	50		
VEKTOR-H 30	48.00	37.50		8	72	-										
EKTOR-H 36	48.00	43.50	58.13	8	74				. \	<u>////////////////////////////////</u>	11.					
NEERING eek Trail I 54217 -17-1042 -1100 om -01000005061 orization: #9090 9092	C	· · ·	: : 	:		DUTE	R PANELS			STATE ORIDE ONAL 01/09/2024 COA: 9090						
													C	\searrow		





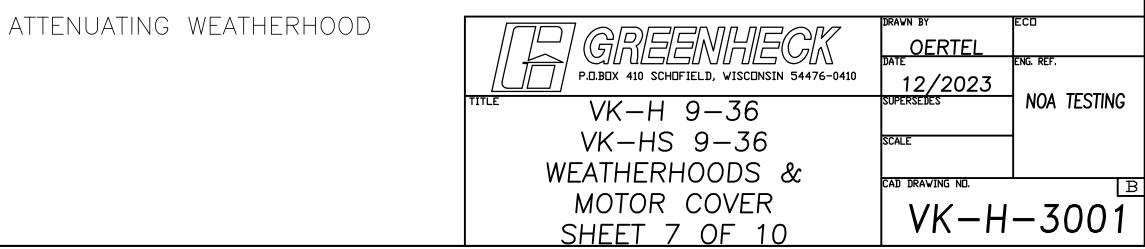
ACCESS DOOR

PRODUCT RENEWED as complying with the Florida Building Code NOA–No. 24-0123.02

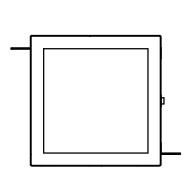
Expiration Date08/28/2029

By Ishaq I. Chands Miami-Dade Product Control

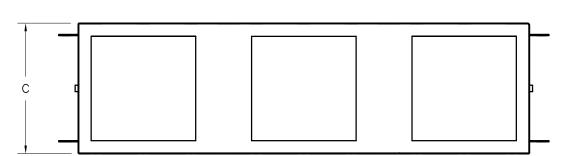
STANDARD WEATHERHOOD

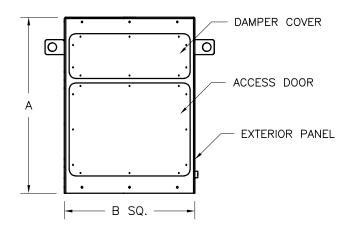


ALL DIMENSIONS ARE IN INCHES HRS POCS=HOT ROLLED STEEL, PICKLED AND OILED COMMERCIAL STEEL HRS POCS MATERIALS ARE COVERED WITH AN ELECTROSTATIC POWDER COATING

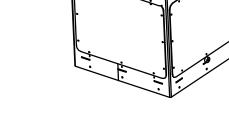


				MATERIAL	
UNIT SIZE	A	В	EXTR PNL's	ACS DR	DMPR CVR
VEKTOR-H 9	29.50	21.88			
VEKTOR-H 10	29.50	21.88			
VEKTOR-H 12	29.50	21.88			
VEKTOR-H 13	30.50	23.88			
VEKTOR-H 14	32.50	27.88			
VEKTOR-H 16	32.50	27.88	12 GA.	12 GA.	12 GA.
VEKTOR-H 18	33.50	33.88	HRS POCS	HRS POCS	HRS POCS
VEKTOR-H 20	33.50	33.88			
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			





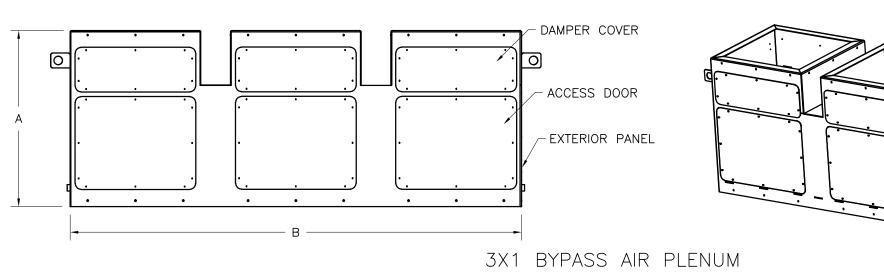
С



RICE

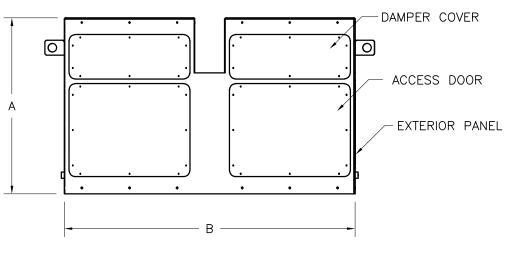
ENGINEERING 105 School Creek Trail Luxemburg, WI 54217 Phone: (920) 617-1042 Fax: (920) 617-1100 www.rice-inc.com

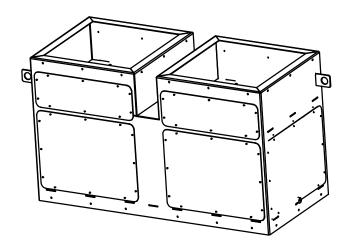
Florida Firm No: F-01000005061 Certificate of Authorization: #9090 Wayne K. Helmila Registration No: 59092



1X1 BYPASS AIR PLENUM

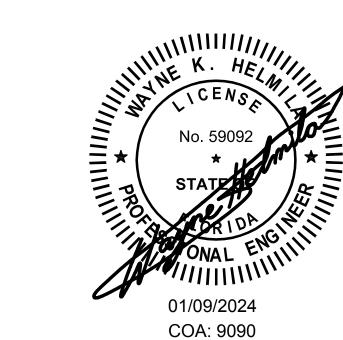
						MATERIAL	
	UNIT SIZE	A	В	С	EXTR PNL's	ACS DR	DMPR CVR
	VEKTOR-H 9	29.50	48.71	21.88			
	VEKTOR-H 10	29.50	48.71	21.88			12 GA.
	VEKTOR-H 12	29.50	48.71	21.88			
	VEKTOR-H 13	30.50	52.71	23.88			
ו	VEKTOR-H 14	32.50	60.71	27.88			
	VEKTOR-H 16	32.50	60.71	27.88	12 GA.	12 GA.	
	VEKTOR-H 18	33.50	72.71	33.88	HRS POCS	HRS POCS	HRS POCS
	VEKTOR-H 20	33.50	72.71	33.88			
2	VEKTOR-H 22	36.50	84.71	39.88			
	VEKTOR-H 24	<tor-h 24="" 39.50="" 45.88<="" 96.71="" td=""><td></td><td></td><td></td></tor-h>					
	VEKTOR-H 30	42.50	108.71	51.88			
	VEKTOR-H 36	48.50	120.71	57.88			

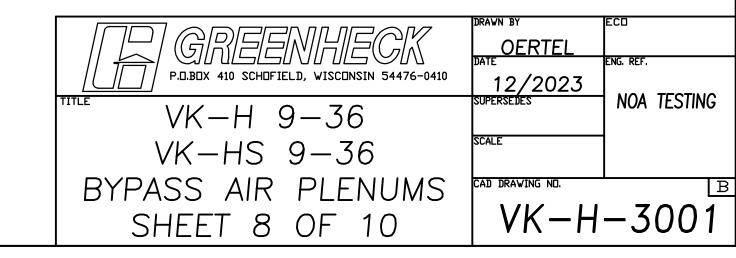




2X1 BYPASS AIR PLENUM

					MATERIAL				
UNIT SIZE	A	В	С	EXTR PNL's	ACS DR	DMPR CVR			
VEKTOR-H 9	29.50	75.58	21.88						
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		12 GA.				
VEKTOR-H 16	32.50	93.58	27.88	12 GA.		12 GA.			
VEKTOR-H 18	33.50	111.58	33.88	HRS POCS	HRS POCS	HRS POCS			
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						





PRODUCT RENEWED as complying with the Florida Building Code NOA-No. 24-0123.02 Expiration Date08/28/2029

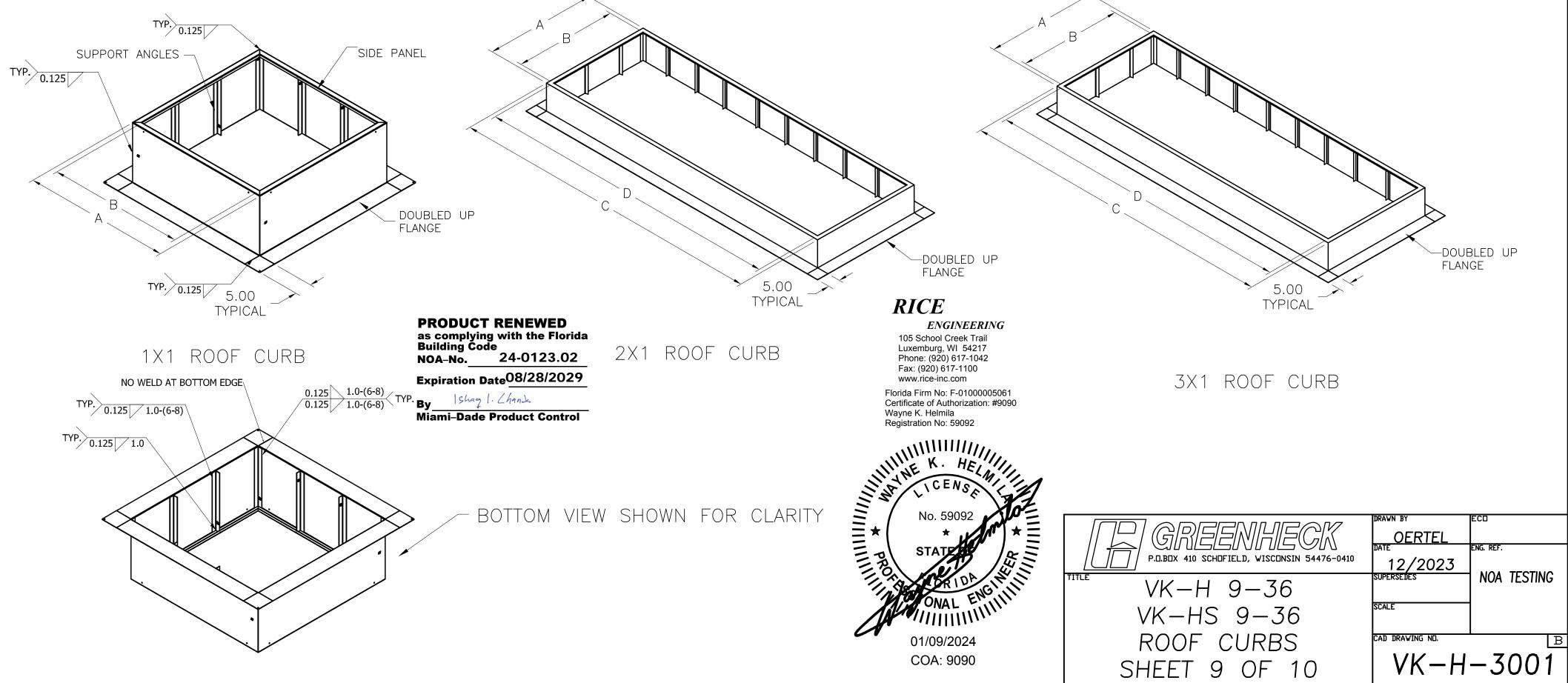
By_ Ishag I. Chanda

Miami-Dade Product Control

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	
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	12 GA. GALV
VEKTOR-H 18	33.00	29.50	TZ GA. GALV
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	ACTUAL INSIDE	ACTUAL OUTSIDE	ACTUAL INSIDE	
	А	В	С	D	MATERIAL
VEKTOR-H 9	21.00	17.50	48.00	44.50	
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	12 GA. GALV
VEKTOR-H 18	33.00	29.50	72.00	68.50	TZ GA. GALV
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	ACTUAL INSIDE	ACTUAL OUTSIDE	ACTUAL INSIDE	
	А	В	С	D	MATERIAL
VEKTOR-H 9	21.00	17.50	74.00	70.50	
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	12 GA. GALV
VEKTOR-H 18	33.00	29.50	110.00	106.50	TZ GA. GALV
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	

