MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Marvair, Division of Airxcel, Inc.
156 Seeding Dr.
Cordele, GA. 31015

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 here in and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "DAC 2000" A/C Unit mount (Single Steel Door App)-Component Approval-LMI

APPROVAL DOCUMENT: Drawing No. **ID 01639,** titled "Series DAC 2000 A/C Unit mounted on Single Outswing Door (Component Approval)", sheets 1 through 2 of 2, dated JAN 14, 2020 and last revised on July 28. 2021, prepared by Bri-Ko Engineering, Inc., signed and sealed by Brian Schwartz, 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

Limitations:

1. The A/C Unit as a Component Approval to be mounted in min 16 ga Steel Single Outswing Door, having a current door system NOA (Under separate approval). See sheet **1** for door system minimum requirement.
2. Lower Design Pressure of this component or Single door may control for the entire assembly. The A/C Component unit is reviewed for wind load only.
3. Electrical/Electronic functions and Fire Rating are not part of the approval, such installation to be reviewed by AHJ.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 # **19-0219.13** consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.
The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY APPROVED

Ishaq I. Chanda

Marvair,
Division of Airxcel, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's parts drawings and sections (Submitted under files below)
2. Drawing No. **ID 01639,** titled "Series DAC 2000 A/C Unit mounted on Single Outswing Door (Component Approval)", sheets 1 through 2 of 2, dated JAN 14, 2020, prepared by Bri-Ko Engineering, Inc., signed and sealed by Brian Schwartz, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94(Not performed)
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94 (Not Performed)
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Tensile strength of door skin per ASTME-8

   Along with marked-up drawings and installation diagram of series DAC 2000 A/c Unit mounted on 16 ga Steel Single Outswing door. prepared by Intertek, Test Report No. **J 6935.01-801-18-R2**, dated 07/16/19 and revised on 11/11/19, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS

1. Wind loading Structural analysis & anchor verification calculation dated 01/14/2020, prepared by Bri-Ko Engineering, Inc., signed and sealed by Brian Schwartz, 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 analysis conformance, complying with **FBC-6th Edition (2017)**, and of no financial interest, dated 01/14/20, prepared by Bri-Ko Engineering, Inc., signed and sealed by Brian Schwartz, P.E.

G. OTHER

1. Test proposal #19-0200 dated 03/25/19, issued by RER.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 21-0615.16
Expiration Date: January 30, 2025
Approval Date: September 02, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **ID 01639,** titled "Series DAC 2000 A/C Unit mounted on Single Outswing Door (Component Approval)", sheets 1 through 2 of 2, dated JAN 14, 2020 and last revised on Jul 28, 2021, prepared by Bri-Ko Engineering, Inc., signed and sealed by Brian Schwartz, P.E.

Note: This revision consists of FBC 2020 update and renewal with no change.

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 **FBC 7th Edition (2020)**, issued and prepared by NOVA Engineering and Environmental, dated 06/22/2021, signed and sealed by Kurt W. Heinrichs, P.E.
2. Statement letter dated June 16, 2021, issued by Sto requesting Product renewal without change and FBC 2020 update, signed by Kevin Schroeder, Senior Tech Rep.

G. OTHER

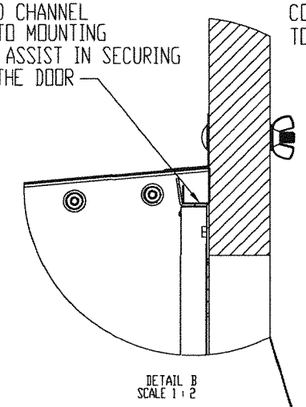
1. This NOA **revises** & **renews NOA # 19-0219.13** expiring 01/30/2025.

Ishaq I. Chanda

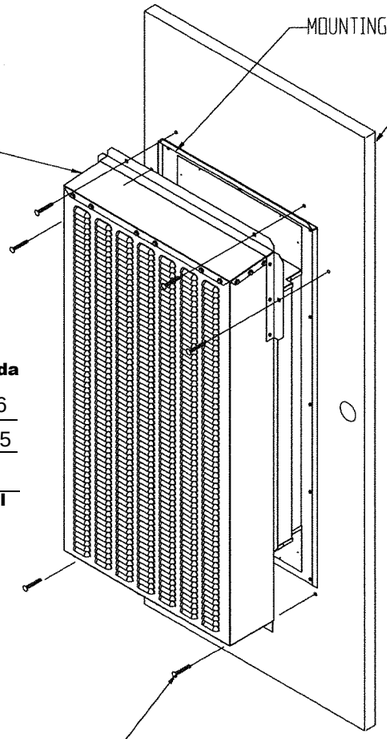
Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 21-0615.16
Expiration Date: January 30, 2025
Approval Date: September 02, 2021

SERIES DAC2000 A/C UNIT MOUNTED ON SINGLE OUTSWING DOORS (COMPONENT APPROVAL)

REVISIONS					
ECN#	DATE	REV.	DESCRIPTION	REV BY	CHECKED BY



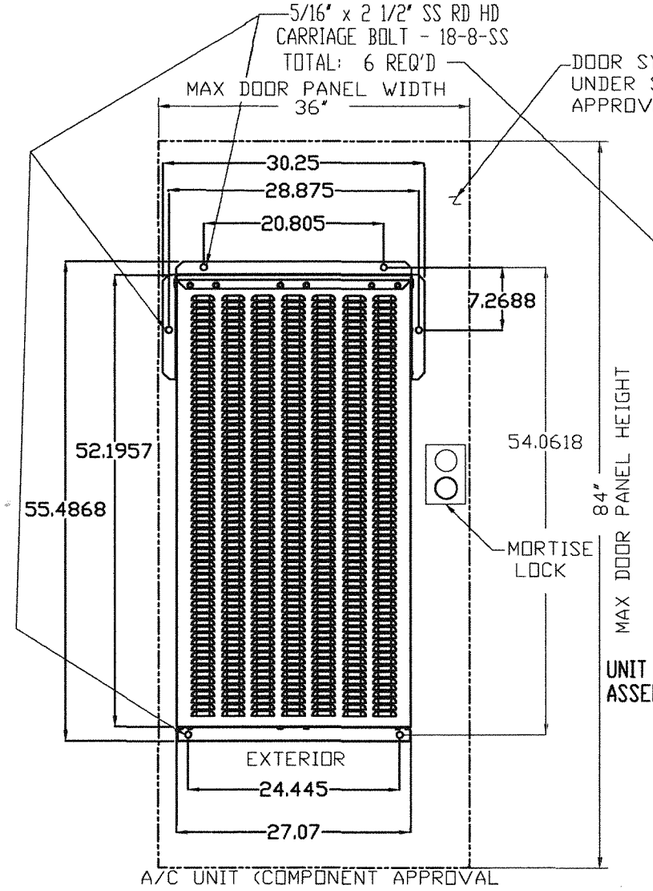
UNIT HOOD ASSEMBLY MOUNTING ANGLES (TOP, SIDE, & BOTTOM) COME PRE-ATTACHED TO HOOD

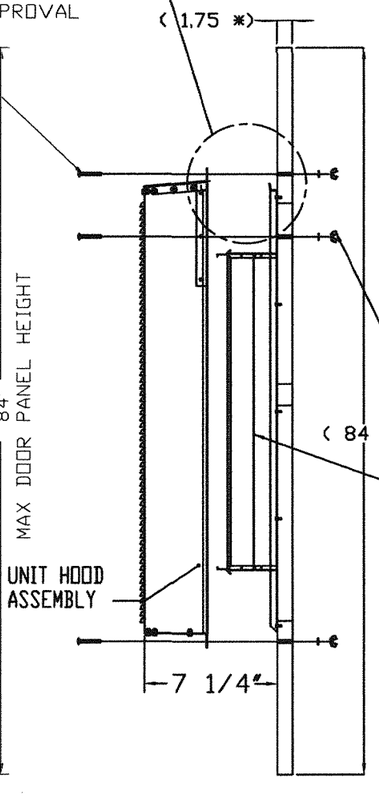


PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-0615.16
Expiration Date 01/30/2025
By Ishaq I. Chanda
Miami-Dade Product Control

GENERAL NOTES:

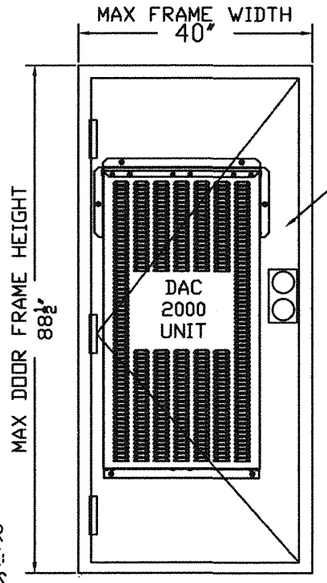
1. THIS ENGINEERING REPORT DOCUMENTS THE ANALYSIS OF VERTICAL MOUNT AC EQUIPMENT AND THE ASSOCIATED ANCHORING SYSTEMS TO RESIST DEAD WEIGHT AND WIND LOAD FORCES.
2. THE ANALYSIS CONFORMS TO THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH ED. (2020) AND ASCE 7-16.
3. THE AC UNIT IS MOUNTED ON AN EXTERIOR DOOR OF COMMERCIAL GRADE STEEL WITH SOILID CORE WIT MINIMUM 16 GA (.060") WITH MIN. Fy=36.5 KSI AND 16 GA. DOOR FRAME. (UNDER SEPERATE APPROVAL)
4. THE AC UNIT IS SECURED TO A MOUNTING FRAME WHICH IS ANCHORED TO THE DOOR. THE MOUNTING FRAME IS ANCHORED AS SHOWN. THESE ANCHORS ARE TYPICALLY MANUFACTORED FROM HEAT-TREATED STEEL AND HAVE CORROSION RESISTANCE AS SPECIFIED BY THE MANUFACTURER.
5. LOCATION AND ANCHOR MOUNTING HOLES ARE DEFINED IN THE MANUFACTURER'S TECHNICAL LITERATURE.
6. DESIGN PRESSURE DP FROM THIS COMPONENT APPROVAL OR APPROVED IMPACTED STEEL BOM SHALL CONTROL.
7. ELECTRICAL FUNCTIONS, OPERATION AND GROUNDING ARE NOT PART OF THIS APPROVAL TO BE REVIEWED BY BUILDING INSPECTOR.
8. THE A/C COMPONENT MOUNT IS REVIEWED FOR WIND LOAD ONLY. ANY SAFETY RELATED ISSUE IS NOT PART OF THIS APPROVAL.





5/16" x 2 1/2" SS RD HD CARRIAGE BOLT -18-8-SS 6 REQ'D (BACK SIDE OF DOOR 5/16" WING NUT 18-8-SS - 6 REQ'D)

MODEL#	DAC2000 AC UNIT
DIMENSIONS, WEIGHT	DOOR, TYPE, & ANCHOR
HEIGHT.... 52 3/8"	MOUNTING FRAME SIDE:
WIDTH .... 27 1/8"	SIDE: "D" (2) ANCHORS
DEPTH .... 7 1/4"	TOP: "D" (2) ANCHORS
WEIGHT ... 150 LBS	BOTTOM: (2) ANCHORS
	"D" = 5/16"-18 X 2 1/2" CARRIAGE BOLTS



16 GA STEEL OUTSWING DOOR SYSTEM (UNDER SEPARATE APPROVAL)

DOOR PRESSURE (COMPONENT APPROVAL)
± 100 PSF

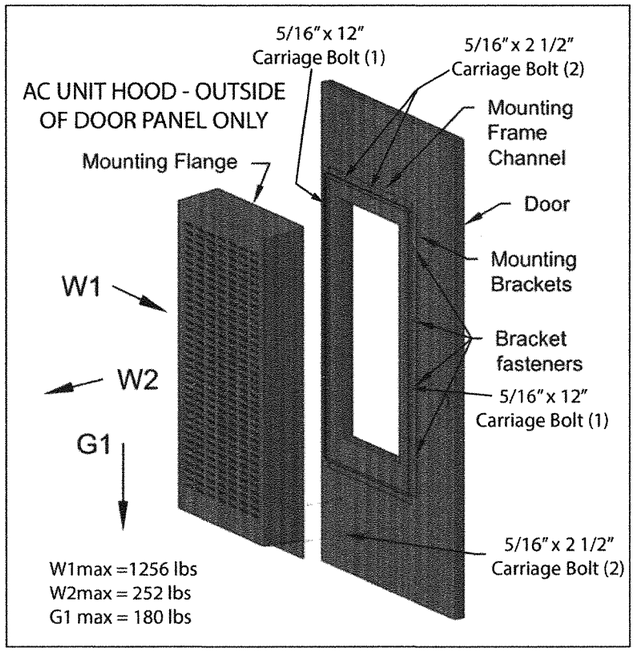
MIN. DOOR SYSTEM REQUIREMENT
1. 16 GA STEEL DOOR Fy MIN. = 35.5 KSI
2. 16 GA. STEEL DOOR FRAME
3. MIN. (3) HINGES 4.5"X4.5"X.134" THICK
4. MORTISE LOCK W/DEAD BOLT
   4.1 LATCH THROW = 3/4" MIN.
   4.2 DEAD BOLT THROW = 1" MIN.

CONFORMANCE TO CODES: FBC 7th Ed. (2020)
BRI-KO ENGINEERING, INC. (COA Auth.: 27622)
ENGINEERING SERVICES
email: briko@Reagan.com
tel: 954-648-6211

BRIAN I SCHWARTZ, PE
FLORIDA LIC No. 62081

BRIAN I. SCHWARTZ LICENSE No. 62081 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: JUL 28 2021

TOLERANCES UNLESS OTHERWISE NOTED	Marvair	DRAWN BY MARVAIR, Inc.	CHECKED BY TLC
DECIMAL ± .03"	DAC2000	SCALE	APPROVED BY
FRACTIONAL ±	TITLE HURRICANE DAC APPROVAL		
ANGULAR ± 1°	DATE 2019-10-02	DRAWING NUMBER ID01639 PG 1 OF 2	REV.



LATERAL FORCE (SLIDING):

1. THE WIND LOAD ACTING ON THE SIDE OF THE AC UNIT AND THE DEAD LOAD DOWNWARD.
2. THIS LATERAL FORCE MUST BE RESISTED BY THE SHEAR STRENGTH OF THE SUM OF THE ANCHORS. THE ANCHORS IN THE SUPPORT BRACKET ARE NOT USED IN THE CALCULATIONS.

MOMENT FORCE (OVERTURN):

3. THE WIND LOAD ACTING ON THE SIDE AND FRONT OF THE AC UNIT WILL PIVOT THE UNIT ABOUT THE SIDE. THE FRONT WIND LOAD AND THE DEAD LOAD WILL PIVOT ABOUT THE BOTTOM. A SUM OF VECTORS IS ALSO CALCULATED.
4. THIS PIVOTING FORCE MUST BE RESISTED BY THE WITHDRAWAL STRENGTH OF THE SUM OF THE ANCHORS.

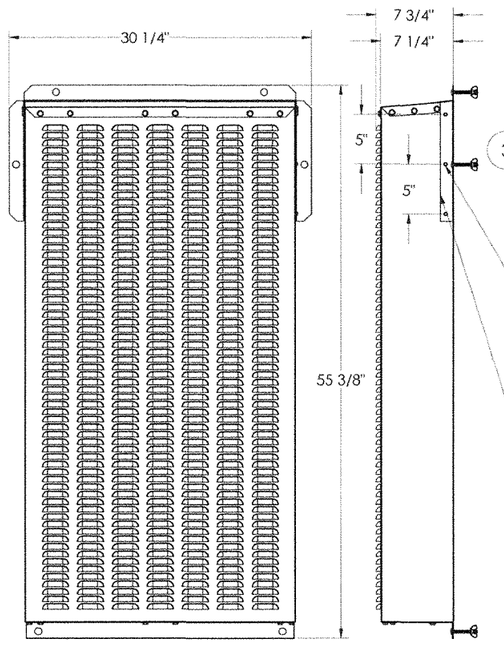
CLEARANCES:

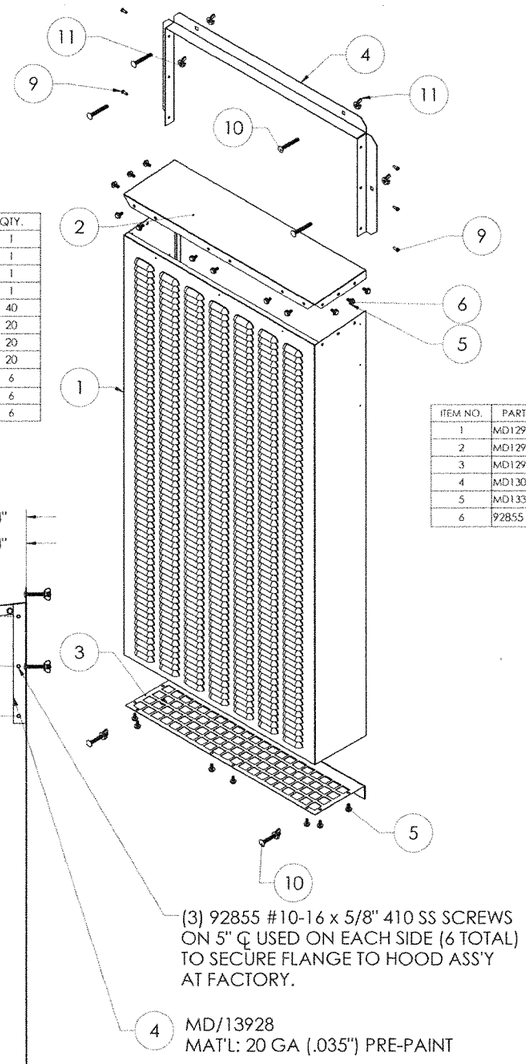
5. ANCHOR INTO DOOR SKIN MUST BE 5/16" DIAMETER.

ANCHOR STRENGTH:

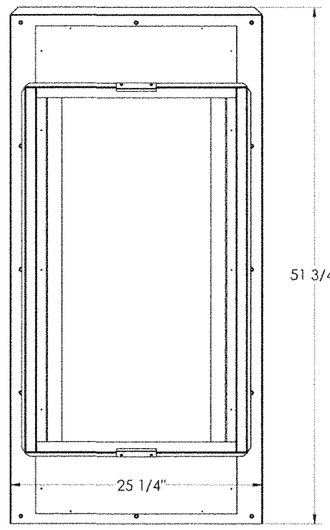
6. LATERAL AND WITHDRAWAL STRENGTHS OF THE DESIGNATED ANCHOR, (RATED LOADS ARE PER SINGLE ANCHOR USING ASD ALLOWABLE STRESS DESIGN. NOTE: FOR LRFD DESIGN ANALYSIS, VALUES X 1.5). 5/16" DIA. RATED SHEAR = 600 LBS, RATED TENSION = 1,000 LBS. [RATED VALUES BASED ON AISC 360-10: MATL.= SS-A307 WITH FNV=27KSI, FNT=45KSI, ASD ALLOWABLE VALUE = RN/Ω WHERE Ω=2.00]

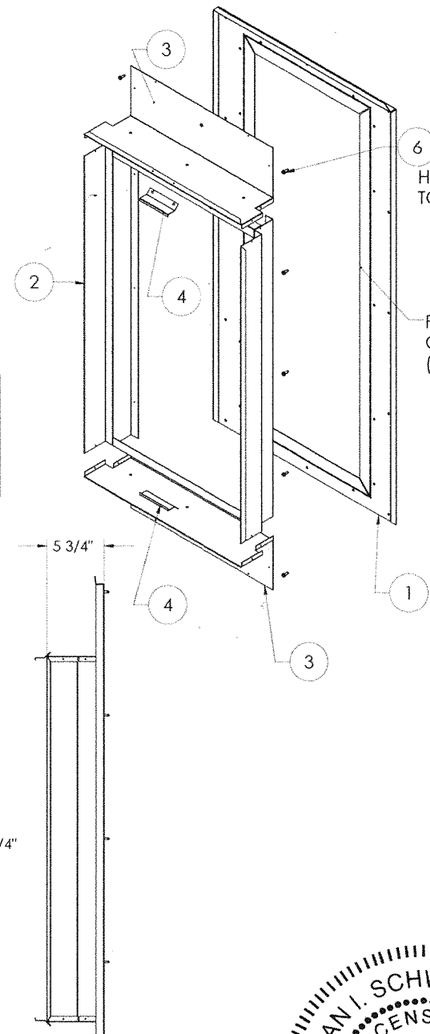
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MD14016	FRONT WRAP - EXHAUST HOOD	1
2	MD14017	TOP PANEL - EXHAUST HOOD	1
3	MD14015	BOTTOM PANEL - EXHAUST HOOD	1
4	MD13928	FLORIDA MOUNTING FLANGE	1
5	92890	WASHER FLAT 1/4 18-8 SS	40
6	92889	BOLT 1/4-20 X 5/8 SS 18-8	20
7	92891	WASHER LOCK 1/4 18-8 S	20
8	92264	NUT 1/4"-20 18-8 SS FHN	20
9	92855	#10-16 X 5/8 HEX 410 SS SELF DRILL	6
10	92880	BOLT 5/16-18x2 1/2 SS RD HD CARRIAGE 18-8 SS	6
11	92892	NUT, WING 5/16-18 18-8 SS	6





ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MD12914	EXTERNAL MOUNTING PANEL	1
2	MD12915	FILTER FRAME SIDE	2
3	MD12916	FILTER FRAM TOP/BOTTOM	2
4	MD13081	FILTER CLIP	2
5	MD13340	FILTER BRACKET TOP & BOTTOM	2
6	92855	#10-16 X 5/8 HEX 410 SS SELF DRILL	12





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By Ishaq I. Chanda
Miami-Dade Product Control

BRIAN I. SCHWARTZ LICENSE No. 62081 STATE OF FLORIDA PROFESSIONAL ENGINEER

CONFORMANCE TO CODE: FBC 7th Ed. (2020)

BRI-KO ENGINEERING, INC. [Cert.Of Auth.: #27622]
ENGINEERING SERVICES
email: briko@Reagan.com
tel: 954-648-6218

SIGNED

BRIAN I SCHWARTZ, PE
FLORIDA LIC No. 62081

DATE: JUL 28 2021

	Marvair Division of AIRXCEL, Inc. Cordele, GA		
.03"	DAC2000		TLC
	HURRICANE DAC APPROVAL		
1"	10/1/2019	ID01639 PG-2 of 2	1