



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/building

WindCalm Windows & Doors, Inc.
13100 SW 134 Street, Unit #7
Miami, FL 33186

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 "100" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W14-17**, titled "Series-100 Alum Single Hung Wdw. (L.M.I)", sheets 1 through 4 of 4, dated 04/08/14, with revision **C** dated 12/23/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, 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.

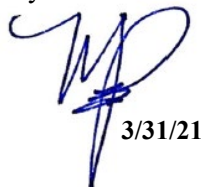
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 No. 19-0606.02** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**




3/31/21

NOA No. 21-0106.04
Expiration Date: July 31, 2024
Approval Date: April 08, 2021
Page 1

WindCalm Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No.14-0515.03)
2. Drawing No. **W14-17**, titled "Series-100 Alum Single Hung Wdw. (L.M.I.)", sheets 1 through 4 of 4, dated 04/08/14, with revision **B** dated 09/04/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No.18-0911.08)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7608**, dated 03/20/14, signed and sealed by Marlin Brinson, P.E.
(Submitted under NOA No.14-0515.03)

C. CALCULATIONS

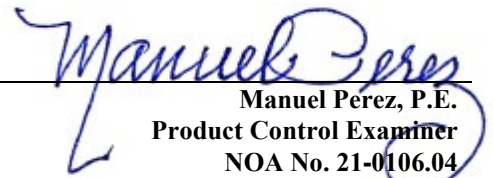
1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, dated 08/28/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No.18-0911.08)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0712.05** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 09/07/17, expiring on 05/21/21.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 21-0106.04
Expiration Date: July 31, 2024
Approval Date: April 08, 2021

WindCalm Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, and of no financial interest, dated August 28, 2018, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No.18-0911.08)

G. OTHERS

1. Notice of Acceptance No. **18-0911.08**, issued to WindCalm Windows & Doors, Inc. for their Series "100" Aluminum Single Hung Window - L.M.I., approved on 10/04/18 and expiring on 07/31/19.



Manuel Perez, P.E.

Product Control Examiner

NOA No. 21-0106.04

Expiration Date: July 31, 2024

Approval Date: April 08, 2021

WindCalm Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W14-17**, titled “Series-100 Alum Single Hung Wdw. (L.M.I.)”, sheets 1 through 4 of 4, dated 04/08/14, with revision **C** dated 12/23/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, dated 08/28/18 and updated on 12/22/20 to comply with **FBC 7th Edition (2020)**, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

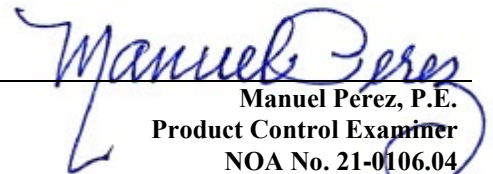
1. Notice of Acceptance No. **20-0622.01** issued to **Eastman Chemical Company (MA)** for their “**Saflex PVB Clear and Color Glass Interlayers**” dated 08/06/20, expiring on 05/21/21.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, with **FBC 7th Edition (2020)** and of no financial interest, dated December 22, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

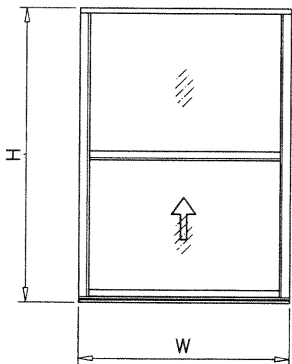
G. OTHERS

1. Notice of Acceptance No. **19-0606.02**, issued to WindCalm Windows & Doors, Inc. for their Series “100” Aluminum Single Hung Window - L.M.I., approved on 07/03/19 and expiring on 07/31/24.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 21-0106.04
Expiration Date: July 31, 2024
Approval Date: April 08, 2021

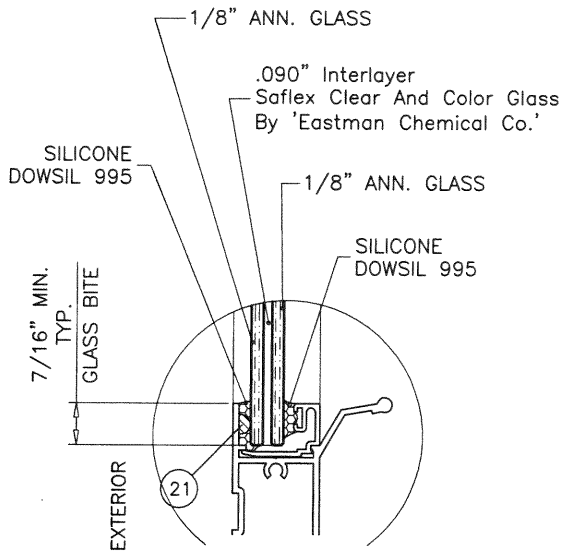
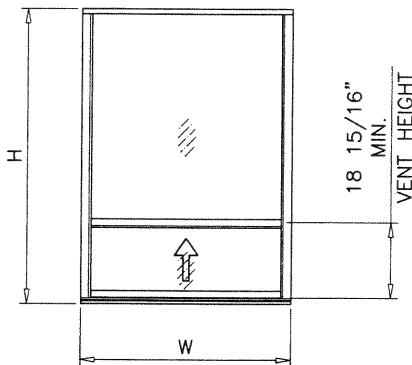
EQUAL LITES WINDOWS DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
19-1/8"	26" (4)	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"	38-3/8" (5)	70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"	50-5/8" (6)	70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"	59" (7)	70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"	63" (7)	70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"	74-1/4" (8)	70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0

* NUMBER IN PARENTHESIS INDICATE MIN. NO. OF ANCHORS PER JAMB.



UNEQUAL LITES (ORIEL TYPES) WDW. DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
19-1/8"	50-5/8" (6)	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"	59" (7)	70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"	63" (7)	70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"		70.0	70.0
53-1/8"	74" (8)	70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
48"	74-1/4" (8)	70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0

* NUMBER IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



GLAZING DETAIL
5/16" OVERALL NOM. THK.

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

SERIES-100 ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

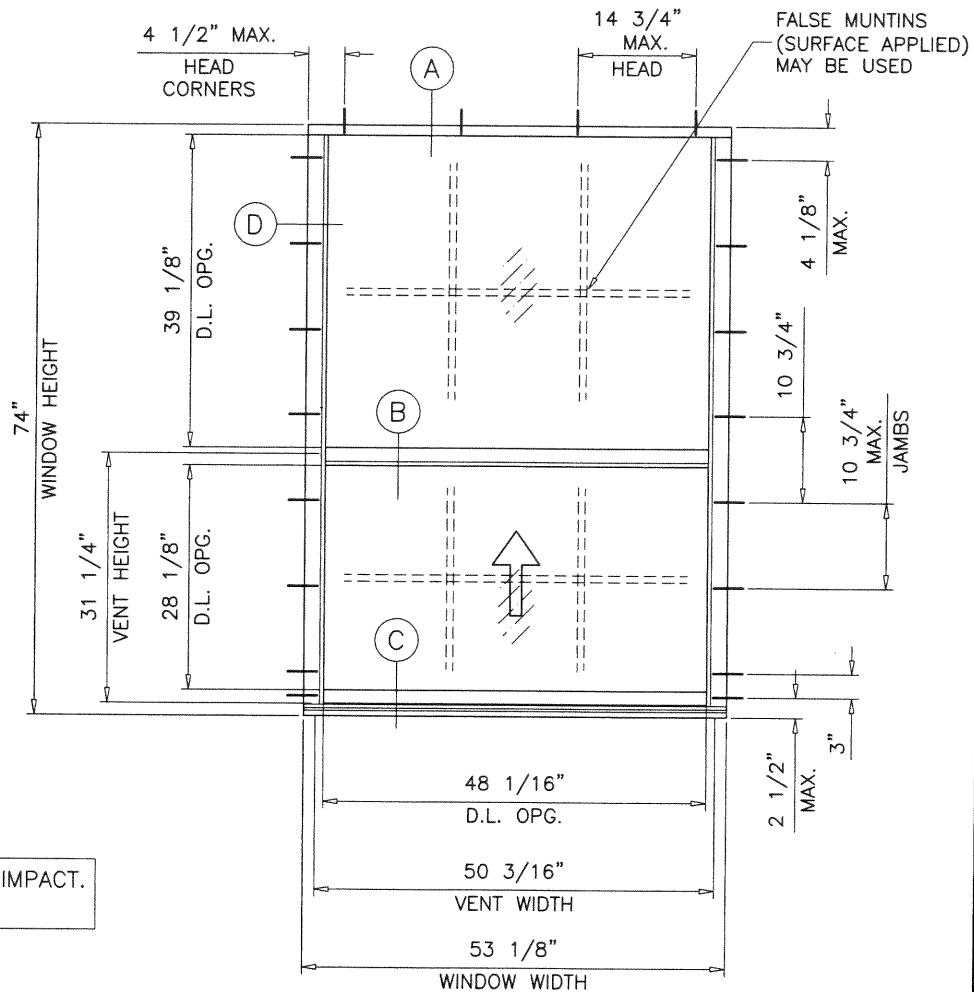
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

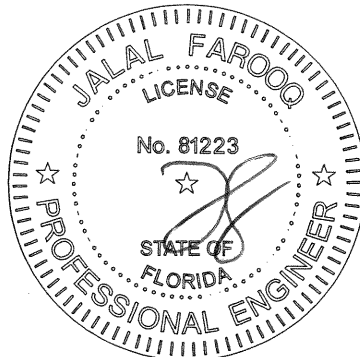
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



TYPICAL ELEVATION
TESTED UNIT

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **21-0106.04**
Expiration Date: **07/31/2024**
By: *Manuel Perez*
Miami-Dade Product Control

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

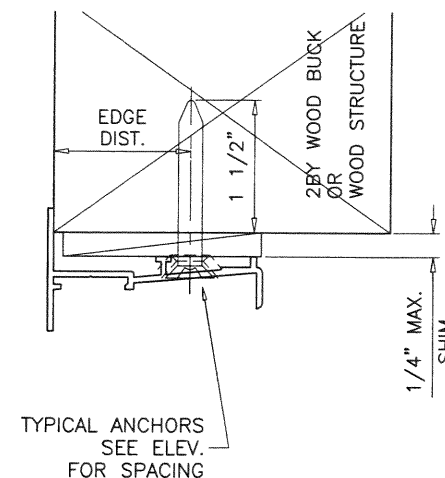
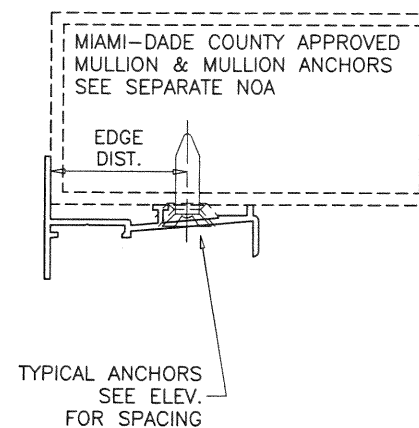
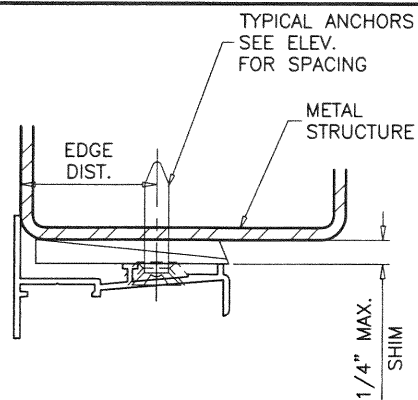
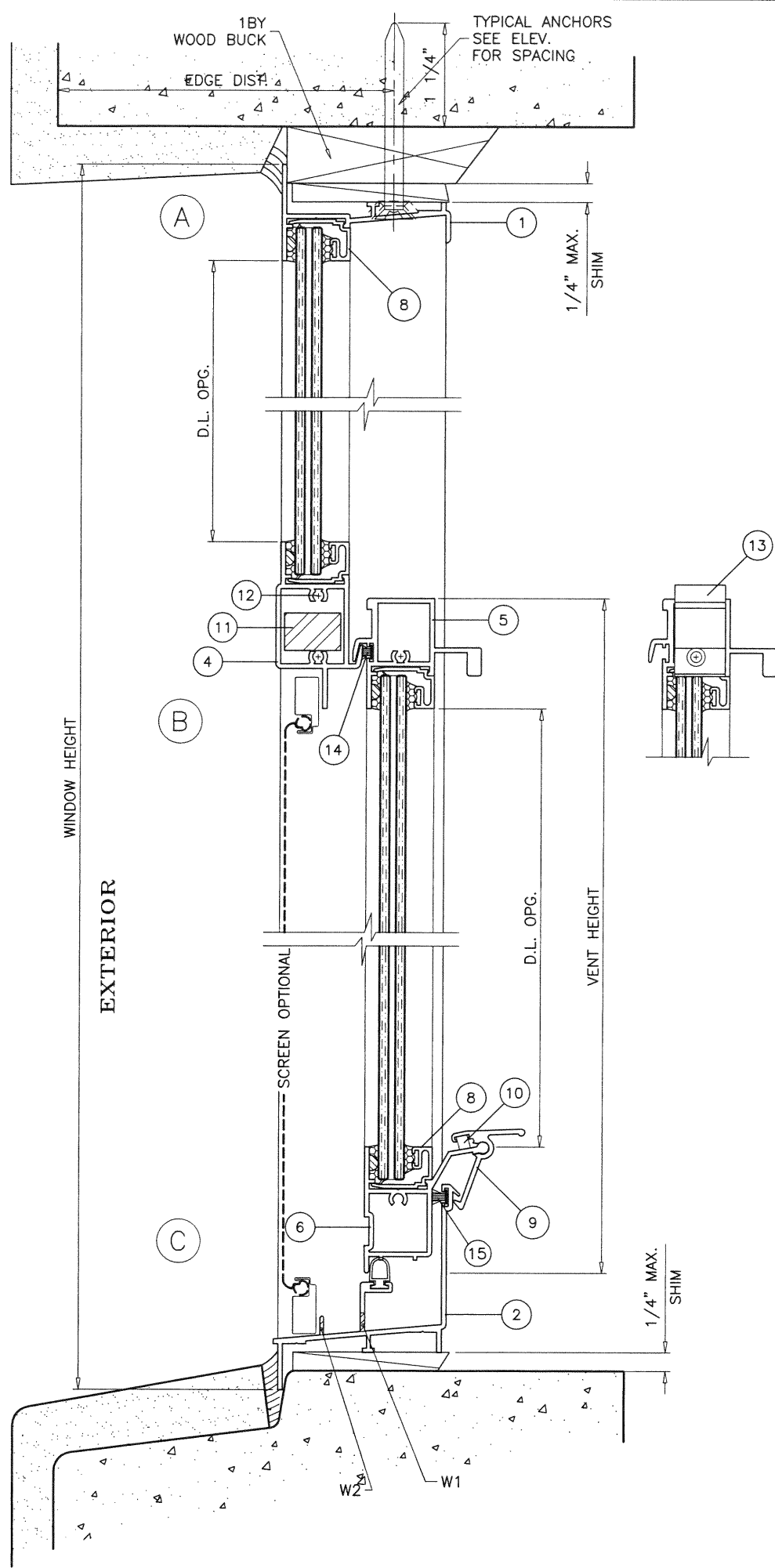


DEC 23 2020

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
C.A.N. 3538
COMP-ANL\W14-17WWI

SERIES-100 ALUM SINGLE HUNG WDW. (L.M.I.)
WINDCALM WINDOWS & DOORS, INC.
13100 S.W. 134 STREET UNIT #7
MIAMI, FL. 33186
TEL. (305) 969-1955 FAX. (305) 969-1077

date: 04-08-14		scale: 1/2" = 1"		dr. by: TARIQ		chk. by:	
drawing no.		W14-17					
sheet 1 of 4							
revisions:							
no	date	by	description				
A	07.23.14		REV. PER COMMENTS				
B	09.04.18		UPDATED TO 2017 FBC				
C	12.23.20		UPDATED TO 2020 FBC				



WOOD BUCKS AND METAL STRUCTURE NOT BY 'WINDCALM WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#14 SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS
 AND
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

CRITICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

PRODUCT REVISED
 as complying with the Florida
 Building Code
NOA-No. 21-0106.04
Expiration Date: 07/31/2024
 By: *Manuel Perez*
 Miami-Dade Product Control

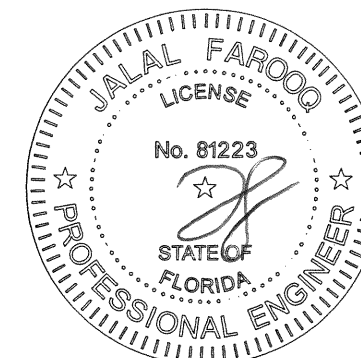
SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
 SCHNEE MOREHEAD SEAM SEALER SM5504.

WEEPHOLES:

W1 = 1" X 3/8" WEEPHOLES AT 2-3/4" FROM EACH END
 W2 = 1" LONG NOTCH AT EACH END

DEC 23 2020



af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W14-17WVI

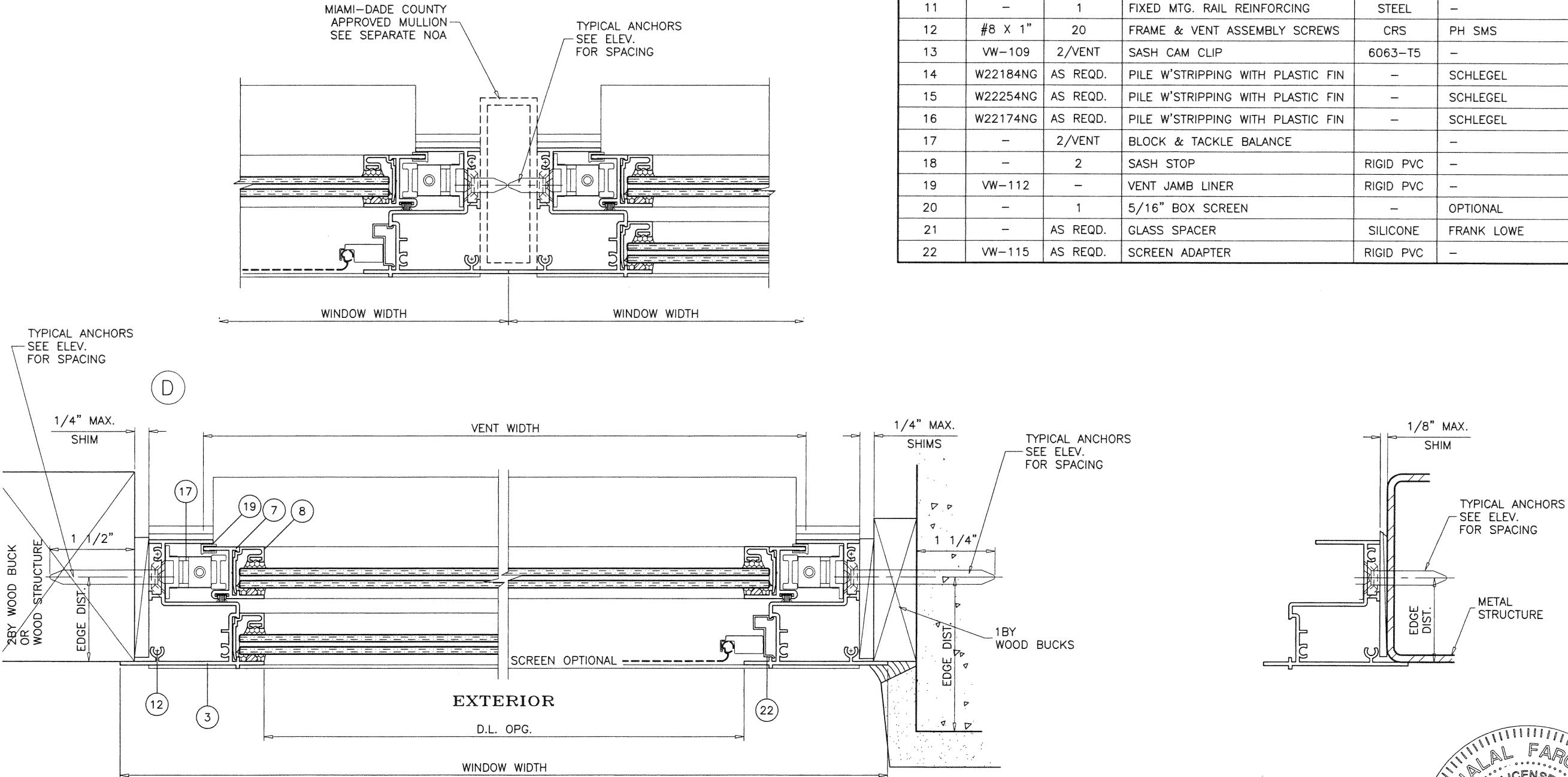
SERIES-100 ALUM SINGLE HUNG WDW. (L.M.I.)
WINDCALM WINDOWS & DOORS, INC.
 13100 S.W. 134 STREET UNIT #7
 MIAMI, FL. 33186
 TEL. (305) 969-1955 FAX. (305) 969-1077

no	date	by	description
A	07.23.14	REV. PER	REV. COMMENTS
B	09.04.18	UPDATED	TO 2017 FBC
C	12.23.20	UPDATED	TO 2020 FBC

date: 04-08-14
 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:

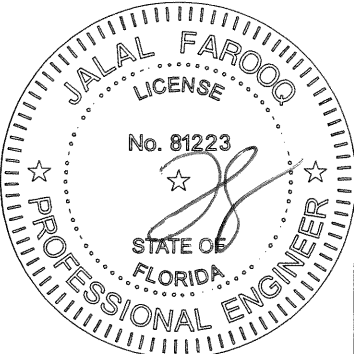
drawing no.
W14-17
 sheet 2 of 4

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	VW-101	1	FRAME HEAD	6063-T6	-
2	VW-102	1	FRAME SILL	6063-T6	-
3	VW-103	2	FRAME JAMB	6063-T6	-
4	VW-104	1	FIXED MTG. RAIL	6063-T5	-
5	VW-110	1	H.D. VENT TOP RAIL	6063-T6	-
6	VW-106	1	VENT BOTTOM RAIL	6063-T6	-
7	VW-107	2	VENT SIDE RAIL	6063-T6	-
8	VW-120	AS REQD.	GLAZING BEAD	6063-T6	-
9	VW-108	2/VENT	VENT LATCH @ 8" FROM ENDS	6063-T6	-
10	VW-116	1/LATCH	LATCH SPRING	ST. STEEL	-
11	-	1	FIXED MTG. RAIL REINFORCING	STEEL	-
12	#8 X 1"	20	FRAME & VENT ASSEMBLY SCREWS	CRS	PH SMS
13	VW-109	2/VENT	SASH CAM CLIP	6063-T5	-
14	W22184NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	-	SCHLEGEL
15	W22254NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	-	SCHLEGEL
16	W22174NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	-	SCHLEGEL
17	-	2/VENT	BLOCK & TACKLE BALANCE	-	-
18	-	2	SASH STOP	RIGID PVC	-
19	VW-112	-	VENT JAMB LINER	RIGID PVC	-
20	-	1	5/16" BOX SCREEN	-	OPTIONAL
21	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE
22	VW-115	AS REQD.	SCREEN ADAPTER	RIGID PVC	-



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **21-0106.04**
Expiration Date: **07/31/2024**
By: *Manuel Perna*
Miami-Dade Product Control

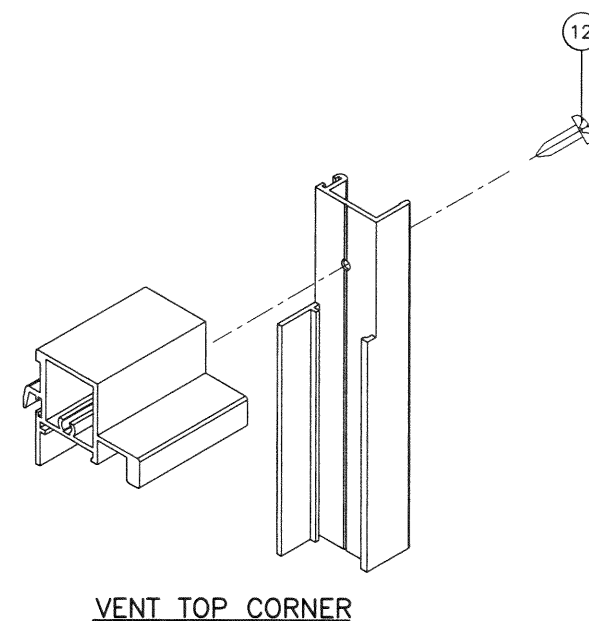
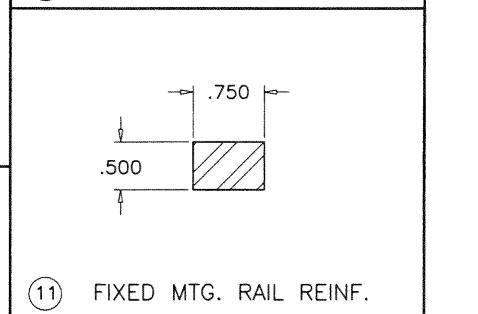
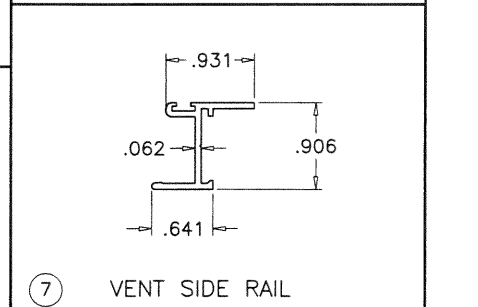
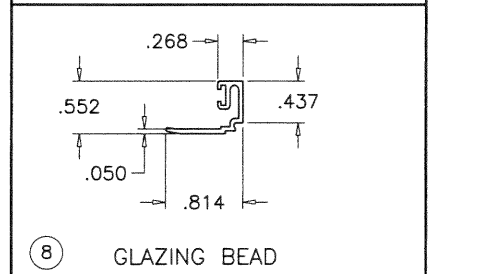
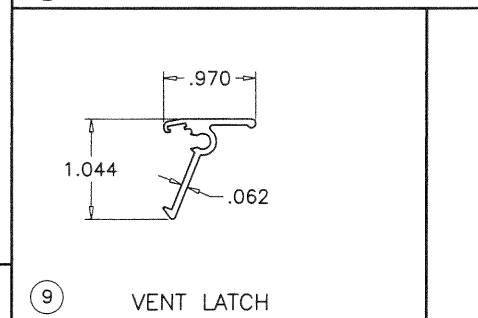
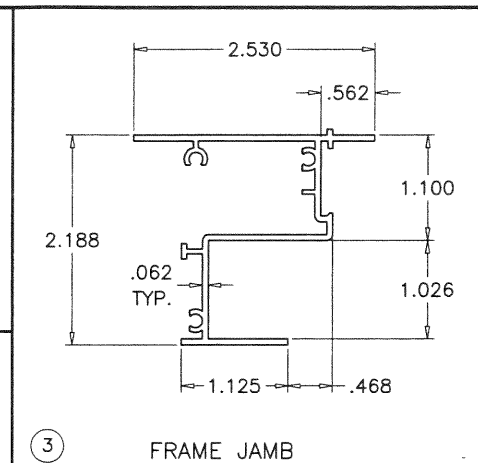
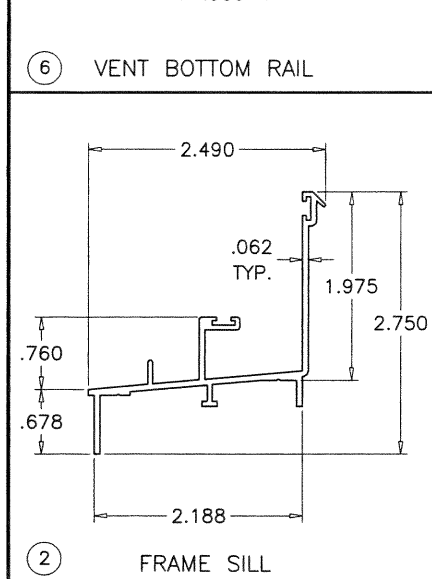
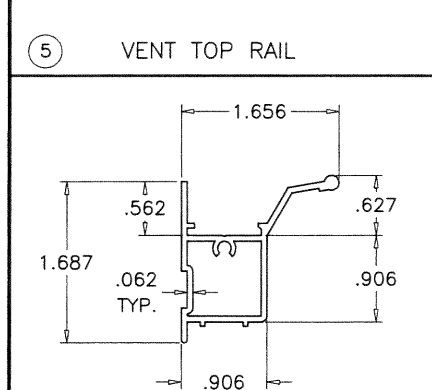
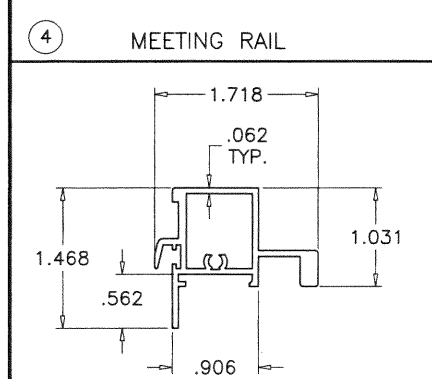
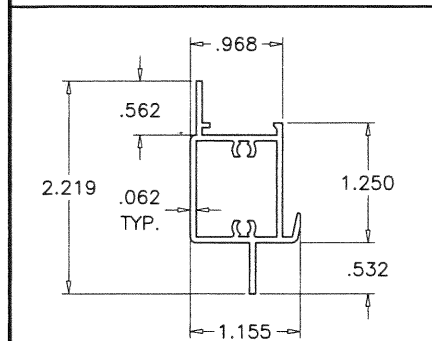
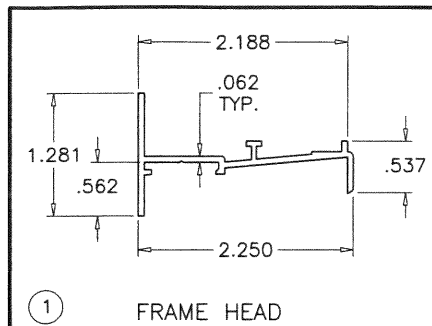
DEC 23 2020



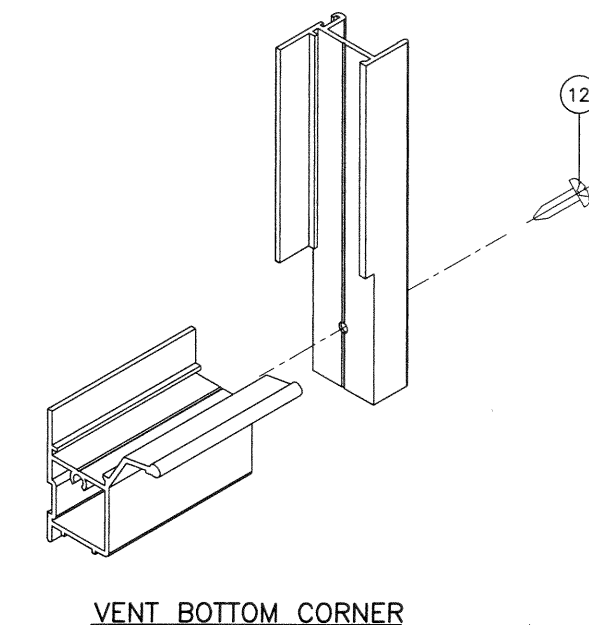
afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W14-17WVI

SERIES-100 ALUM SINGLE HUNG WDW. (L.M.I.)
WINDCALM WINDOWS & DOORS, INC.
13100 S.W. 134 STREET UNIT #7
MIAMI, FL. 33186
TEL. (305) 969-1955 FAX. (305) 969-1077

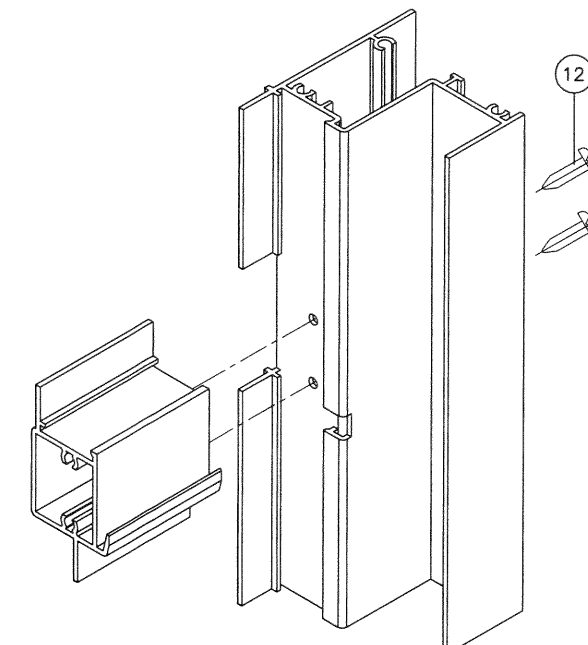
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B	09.04.18		UPDATED TO 2017 FBC	
C	12.23.20		UPDATED TO 2020 FBC	
date: 04-08-14				
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dr. by: TARIQ				
chk. by:				
drawing no.				
W14-17				
sheet 3 of 4				



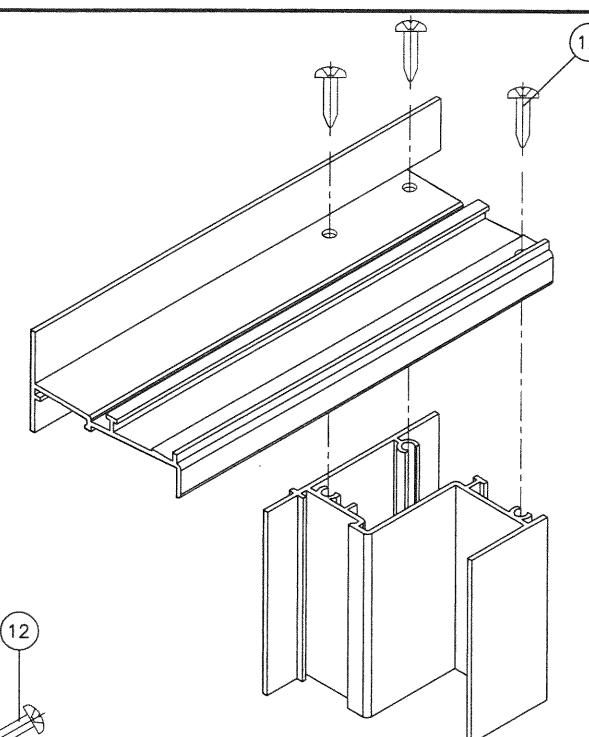
VENT TOP CORNER



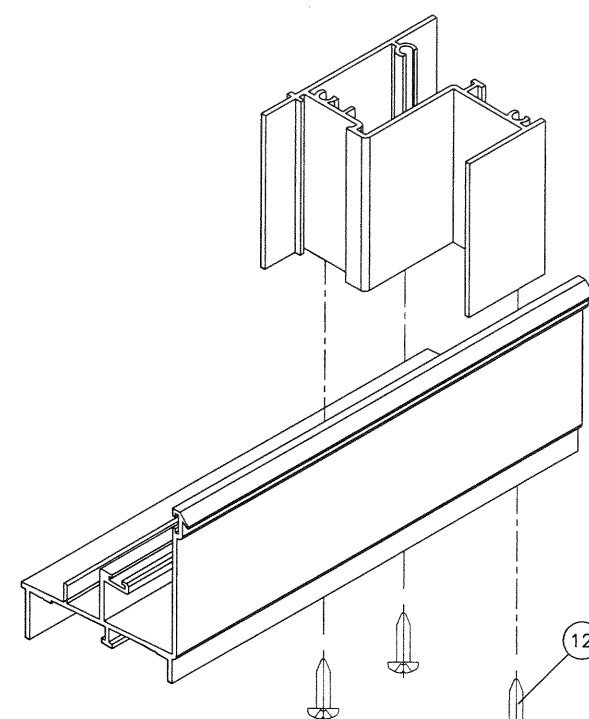
VENT BOTTOM CORNER



FIX. MTG. RAIL CORNER



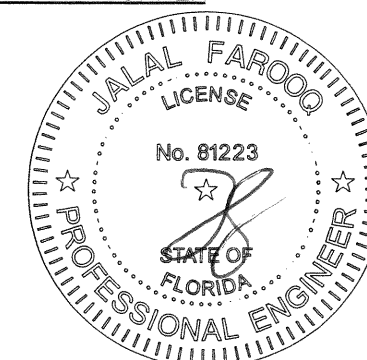
FRAME TOP CORNER



FRAME BOTTOM CORNER

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **21-0106.04**
Expiration Date: **07/31/2024**
By: *Manuel Perez*
Miami-Dade Product Control

DEC 23 2020



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sheet	4 of 4			