



MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building

RC Home Showcase, Inc.

16115 NW 52nd Avenue

Miami, FL 33014

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 "FX-345" Aluminum Window Wall System - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W03-103**, titled "FX-345 Alum. Window Wall System (L.M.I.)", sheets 1 through 9 of 9, dated 11/14/03 with revision **N** dated 11/30/20, 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, 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.

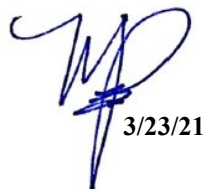
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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. 18-0213.07** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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




3/23/21

NOA No. 20-1216.14
Expiration Date: March 25, 2024
Approval Date: April 01, 2021
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

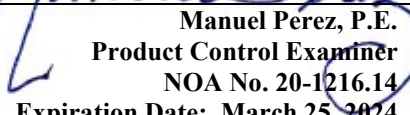
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 03-1023.02, 07-0831.05 and 10-0525.05)
2. Drawing No. **W03-103**, titled "FX-345 Alum. Window Wall System (L.M.I.)", sheets 1 through 9 of 9, dated 11/14/03, with revision **M** dated 04/09/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 18-0213.07)

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
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-6098** dated 12/11/09 and **FTL-6044** dated 12/30/09, both signed and sealed by Michael R. Wenzel, P.E. *(Submitted under NOA No. 10-0525.05)*,
FTL-4612 dated 05/17/05, signed and sealed by Edmundo J. Largaespada, P.E. *(Submitted under NOA No. 07-0831.05)*,
FTL-3719, dated 02/26/03, signed and sealed by Joseph C. Chan, P.E. *(Submitted under NOA No. 03-1023.02)*
2. Test report on: 1) Safety Performance (Impact) per American National Standard for Safety Glazing Materials Used in Buildings, ANSI Z-97.1 (CPSC 16 CFR 1201),
along with marked-up and die drawings of aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5318**, dated 07/05/07, signed and sealed by Carlos S. Rionda, P.E. *(Submitted under NOA No. 07-0831.05)*
3. 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) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3713**, dated 02/14/03, signed and sealed by Edmundo J. Largaespada, P.E. *(Submitted under NOA No. 03-1023.02)*


Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-1216.14
Expiration Date: March 25, 2024
Approval Date: April 01, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

B. TESTS (CONTINUED)

4. Test reports on: 1) Small Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum window wall system, Test Report No. **FTL-3478**, dated 07/03/02, prepared by Fenestration Testing Laboratory, Inc. signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA No. 03-1023.02)
Test Reports No. **HETI-01-1018** dated 05/18/01 and **HETI-01-1038** dated 06/20/01, prepared by Hurricane Engineering & Testing, Inc., both signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 03-1023.02)
5. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1188**, dated 05/22/01 and revised on 06/23/03, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 03-1023.02)
6. 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
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1037**, dated 06/20/01, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 03-1023.02)

C. CALCULATIONS

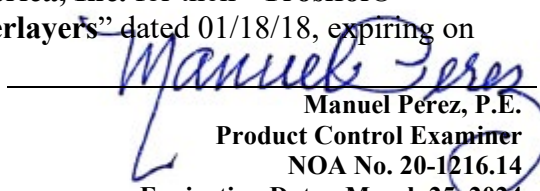
1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, dated 02/28/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. NOA No. **17-0808.02** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/28/17, expiring on 07/04/23.
2. NOA No. **17-1114.14** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 01/18/18, expiring on 07/08/19.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 20-1216.14
Expiration Date: March 25, 2024
Approval Date: April 01, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

E. MATERIAL CERTIFICATIONS (CONTINUED)

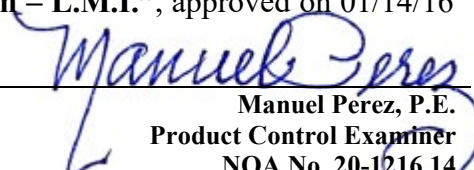
3. NOA No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their “**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**” dated 06/19/14, expiring on 12/11/18.
4. NOA No. **14-0423.17** issued to **Eastman Chemical Company (MA)** for their “**Saflex Clear and Color Glass Interlayers**” dated 06/19/14, expiring on 05/21/16.
5. NOA No. **12-1120.04** issued to **Viracon, Inc.** for their “**StormGuard Glass Interlayer**”, dated 05/30/13, expiring on 04/14/18.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, and of no financial interest, dated February 09, 2018, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 18-0213.07)
2. Laboratory compliance letter for Test Reports No. **FTL-6098** dated 12/11/09 and **FTL-6044** dated 12/30/09, prepared by Fenestration Testing Laboratory, Inc., signed and sealed by Michael R. Wenzel, P.E.
(Submitted under NOA No. 10-0525.05)
3. Laboratory compliance letter for Test Report No. **FTL-5318** dated 07/05/07, prepared by Fenestration Testing Laboratory, Inc., signed and sealed by Carlos S. Rionda, P.E.
(Submitted under NOA No. 07-0831.05)
4. Laboratory compliance letter for Test Reports No. **FTL-4612** dated 05/17/05, **FTL-3713** dated 02/14/03 and **FTL-3478** dated 07/03/02, prepared by Fenestration Testing Laboratory, Inc., signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA's No. 07-0831.05 and 03-1023.02)
5. Laboratory compliance letter for Test Report No. **FTL-3719** dated 02/26/03, prepared by Fenestration Testing Laboratory, Inc., signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA No. 03-1023.02)
6. Laboratory compliance letter for Test Reports No. **HETI-01-1188** dated 05/22/01, **HETI-01-1037** dated 06/20/01, **HETI-01-1018** dated 05/18/01 and **HETI-01-1038**, dated 06/20/01, prepared by Hurricane Engineering & Testing, Inc., signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 03-1023.02)

G. OTHERS

1. Notice of Acceptance No. **15-0512.26**, issued to RC Home Showcase, Inc. for their Series “**FX 345**” **Aluminum Window Wall System – L.M.I.**”, approved on 01/14/16 and expiring on 03/25/19.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-1216.14
Expiration Date: March 25, 2024
Approval Date: April 01, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W03-103**, titled “FX-345 Alum. Window Wall System (L.M.I.)”, sheets 1 through 9 of 9, dated 11/14/03, with revision **N** dated 11/30/20, 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 02/28/18, and updated on 12/01/20 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

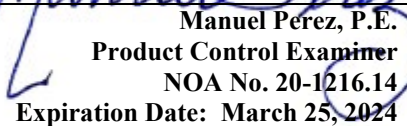
1. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their “**Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer**” dated 05/23/19, expiring on 05/23/24.
2. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 05/09/19, expiring on 07/08/24.
3. Notice of Acceptance No. **20-0622.02** issued to **Eastman Chemical Company (MA)** for their “**Saflex HP Clear or Color Glass Interlayers**” dated 08/06/20, expiring on 04/14/23.
4. 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.

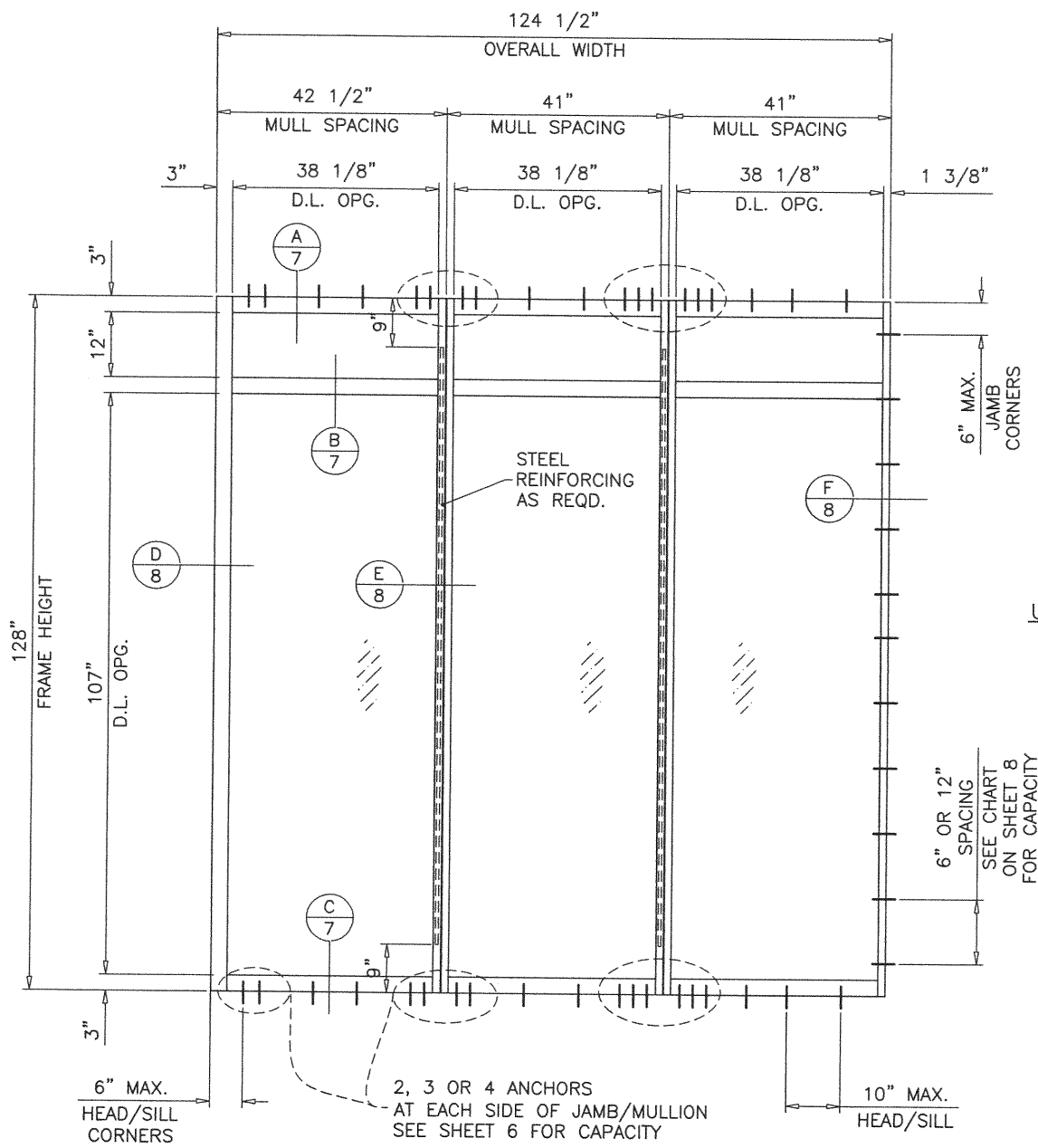
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, with **FBC 7th Edition (2020)**, and of no financial interest, dated December 01, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

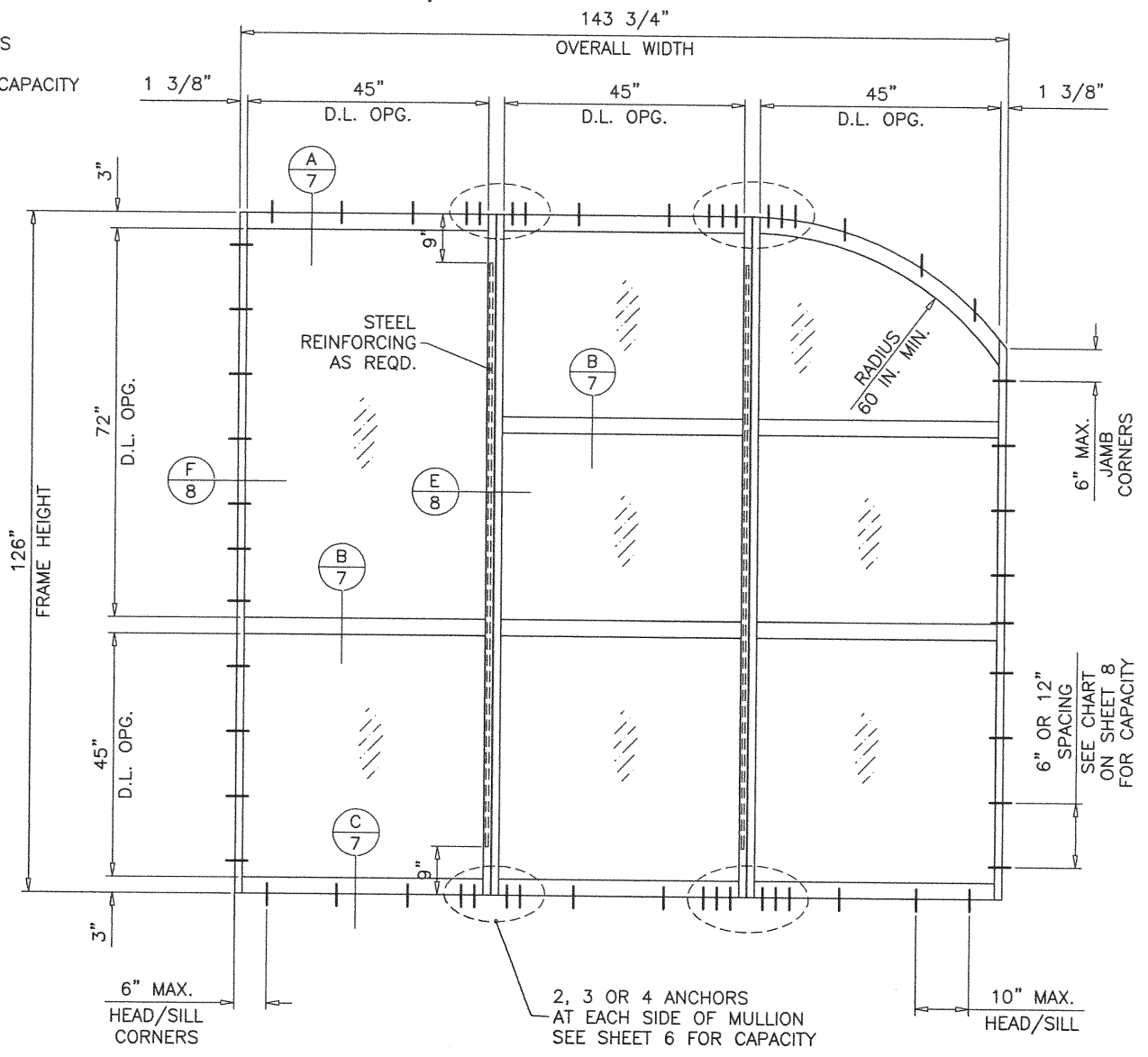
1. Notice of Acceptance No. **18-0213.07**, issued to RC Home Showcase, Inc. for their Series “FX-345” Aluminum Window Wall System - L.M.I., approved on 05/03/18 and expiring on 03/25/24.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-1216.14
Expiration Date: March 25, 2024
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2, 3 OR 4 ANCHORS
AT JAMB
SEE SHEET 6 FOR CAPACITY

UN-ANCHORED JAMB



2, 3 OR 4 ANCHORS
AT EACH SIDE OF MULLION
SEE SHEET 6 FOR CAPACITY

FX-345 ALUM. WINDOW WALL SYSTEM (L.M.I.)

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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.

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 2017/2020 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 ELEVATIONS TESTED UNITS

INSTRUCTIONS:

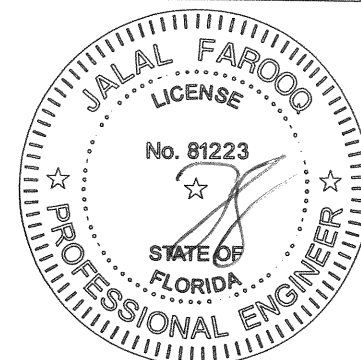
USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 4 & 5 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHART ON SHEETS 6 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** FOR CAPACITY OF JAMBS WITH ANCHORS OPTION SEE CHART ON SHEET 8.
- STEP 6** THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 SHALL APPLY TO ENTIRE SYSTEM.

WINDOW WALL SYSTEM WITH GLASS TYPES 'A' & 'B' ONLY
COMPLY WITH REQUIREMENTS OF ANSI Z97.1.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.14**
Expiration Date: **03/25/2024**
By: *Manuel Fern*
Miami-Dade Product Control

**LAMINATED GLASS
LARGE MISSILE IMPACT**



DEC 07 2020

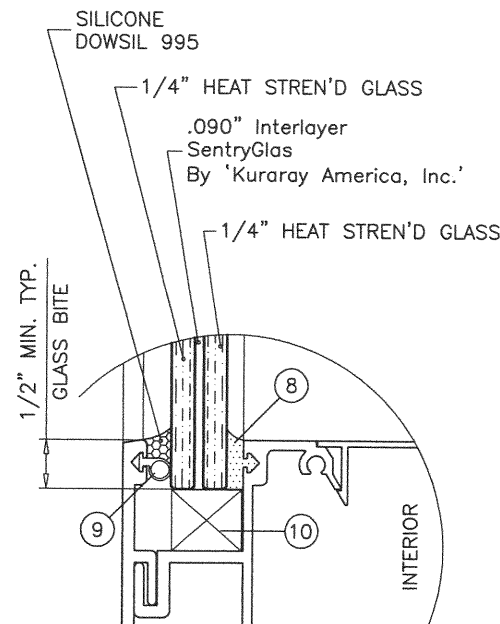
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W03-103RC

FX-345 ALUM. WINDOW WALL SYSTEM (L.M.I.)
RC Home Showcase, Inc.
16115 NW 52nd Ave.
Miami, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

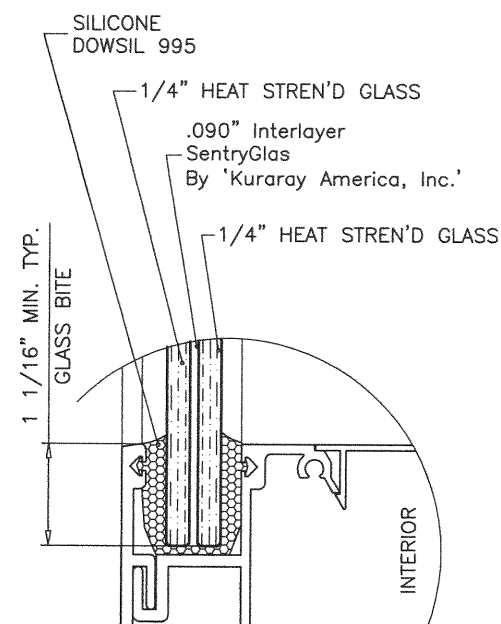
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K	04.22.15	UPDATED TO 2014 FBC	
L	11.10.15	NO CHANGE THIS SHEET	
M	04.09.18	UPDATED TO 2017 FBC	
N	11.30.20	UPDATED TO 2020 FBC	

date: 11-14-03
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dr. by: TARIQ
chk. by:

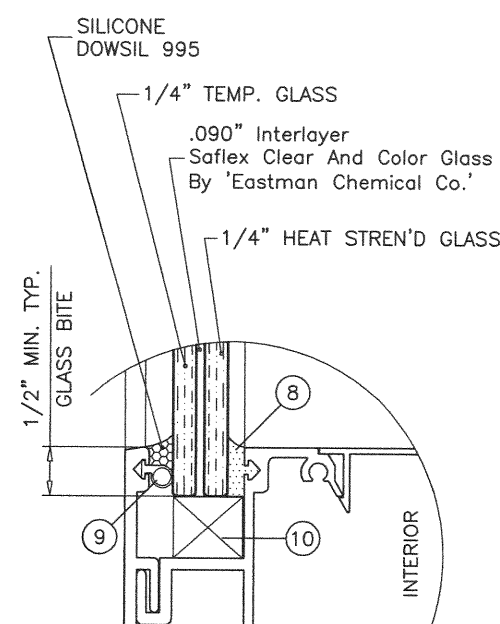
drawing no.
W03-103
sheet 1 of 9



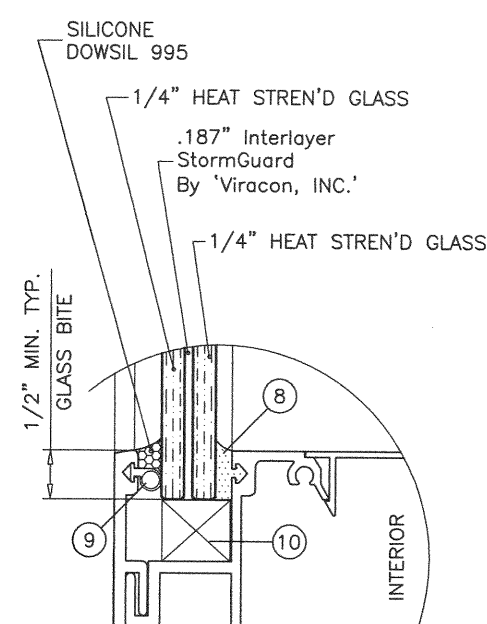
GLASS TYPE 'A'



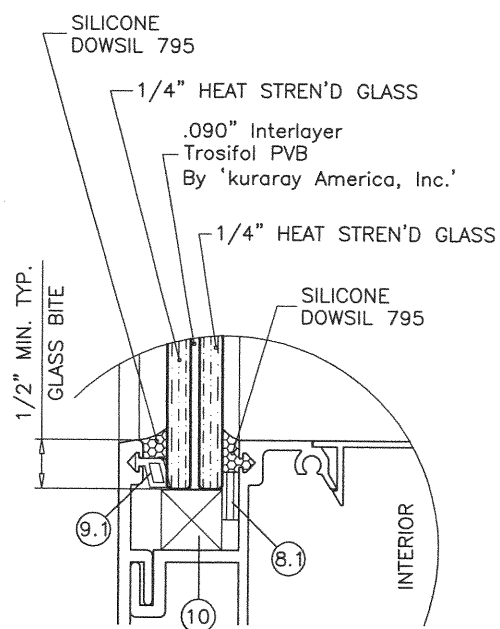
GLASS TYPE 'B'



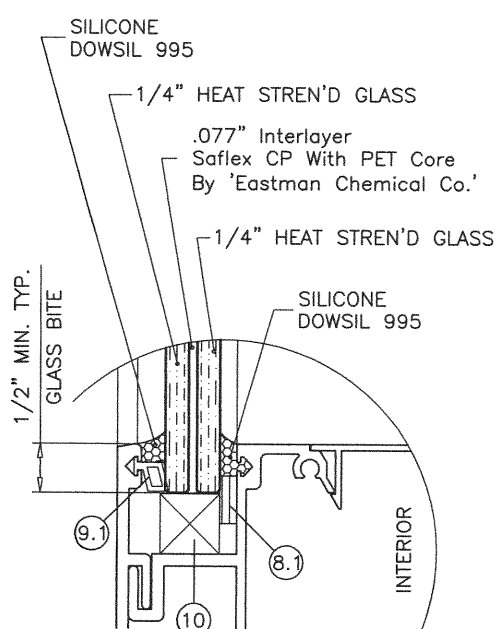
GLASS TYPE 'C'



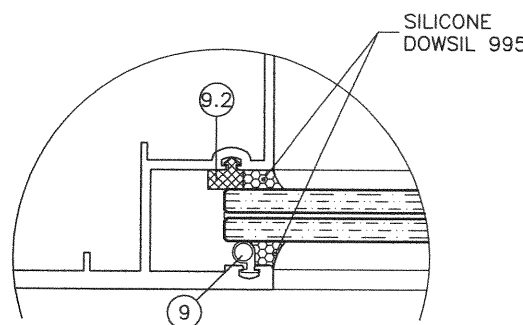
GLASS TYPE 'D'



GLASS TYPE 'E'



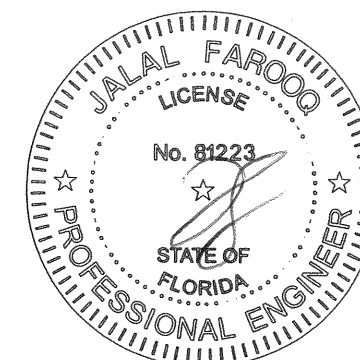
GLASS TYPE 'F'



GLAZING DETAIL AT JAMB ONLY
GLASS TYPES 'E' & 'F'

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.14**
Expiration Date: **03/25/2024**
By: *Manuel Fern*
Miami-Dade Product Control

DEC 07 2020



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

STORE W03-103RC

FX-345 ALUM. WINDOW WALL SYSTEM (L.M.I.)

RC Home Showcase, Inc.
16115 NW 52nd Ave.
Miami, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

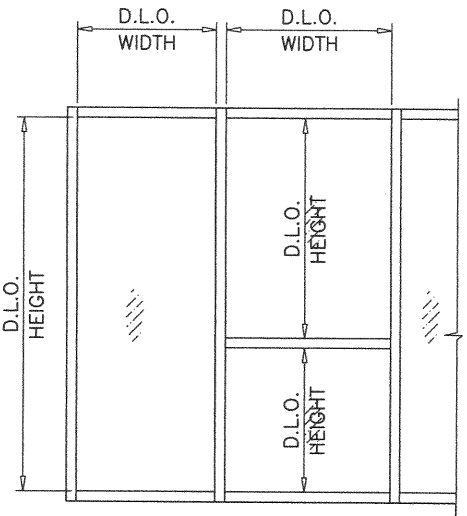
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K	04.22.15	UPDATED TO 2014 FBC	
L	11.10.15	REV. PER PER COMMENTS	
M	04.09.18	UPDATED TO 2017 FBC	
N	11.30.20	UPDATED TO 2020 FBC	

date: 11-14-03
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

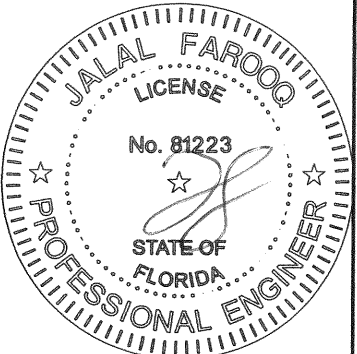
drawing no.
W03-103
sheet 2 of 9

GLASS DESIGN LOAD CAPACITY - PSF								
NOMINAL DIMS		GLASS TYPES						
		TYPE 'A'	TYPE 'B'	TYPE 'C'	TYPE 'D'	TYPE 'E'	TYPE 'F'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+)	INT. (-)
24"	60"	95.0	115.0	81.0	120.0	80.0	74.0	117.0
27"		95.0	115.0	81.0	120.0	80.0	74.0	117.0
30"		95.0	115.0	81.0	120.0	80.0	74.0	117.0
33"		-	115.0	81.0	120.0	80.0	74.0	117.0
36"		-	115.0	81.0	120.0	80.0	74.0	117.0
39"		-	115.0	81.0	120.0	80.0	74.0	117.0
42"		-	115.0	81.0	120.0	80.0	74.0	117.0
45"		-	115.0	81.0	120.0	80.0	74.0	117.0
48"		-	115.0	81.0	120.0	80.0	74.0	117.0
51"		-	115.0	81.0	120.0	80.0	74.0	117.0
54"		-	115.0	81.0	120.0	80.0	-	-
57"		-	115.0	-	120.0	80.0	-	-
60"	66"	-	115.0	-	120.0	80.0	-	-
63"		-	115.0	-	120.0	80.0	-	-
66"		-	115.0	-	120.0	80.0	-	-
69"		-	-	-	120.0	-	-	-
24"		95.0	115.0	81.0	120.0	80.0	74.0	117.0
27"		95.0	115.0	81.0	120.0	80.0	74.0	117.0
30"		-	115.0	81.0	120.0	80.0	74.0	117.0
33"		-	115.0	81.0	120.0	80.0	74.0	117.0
36"		-	115.0	81.0	120.0	80.0	74.0	117.0
39"		-	115.0	81.0	120.0	80.0	74.0	117.0
42"		-	115.0	81.0	120.0	80.0	74.0	117.0
45"		-	115.0	81.0	120.0	80.0	74.0	117.0
48"		-	115.0	81.0	120.0	80.0	-	-
51"		-	115.0	-	120.0	80.0	-	-
54"		-	115.0	-	120.0	80.0	-	-
57"		-	115.0	-	120.0	80.0	-	-
60"	72"	-	115.0	-	120.0	80.0	-	-
63"		-	-	-	120.0	-	-	-
24"		95.0	115.0	81.0	120.0	80.0	74.0	117.0
27"		-	115.0	81.0	120.0	80.0	74.0	117.0
30"		-	115.0	81.0	120.0	80.0	74.0	117.0
33"		-	115.0	81.0	120.0	80.0	74.0	117.0
36"		-	115.0	81.0	120.0	80.0	74.0	117.0
39"		-	115.0	81.0	120.0	80.0	74.0	117.0
42"		-	115.0	81.0	120.0	80.0	74.0	117.0
45"		-	115.0	81.0	120.0	80.0	-	-
48"		-	115.0	-	120.0	80.0	-	-
51"		-	115.0	-	120.0	80.0	-	-
54"		-	115.0	-	120.0	80.0	-	-
57"		-	-	-	120.0	80.0	-	-
24"	78"	-	115.0	81.0	120.0	80.0	74.0	117.0
27"		-	115.0	81.0	120.0	80.0	74.0	117.0
30"		-	115.0	81.0	120.0	80.0	74.0	117.0
33"		-	115.0	81.0	120.0	80.0	74.0	117.0
36"		-	115.0	81.0	120.0	80.0	74.0	117.0
39"		-	115.0	81.0	120.0	80.0	74.0	117.0
42"		-	115.0	-	120.0	80.0	-	-
45"		-	115.0	-	120.0	80.0	-	-
48"		-	115.0	-	120.0	80.0	-	-
51"		-	115.0	-	120.0	80.0	-	-
54"		-	-	-	120.0	-	-	-

GLASS DESIGN LOAD CAPACITY - PSF								
NOMINAL DIMS		GLASS TYPES						
		TYPE 'A'	TYPE 'B'	TYPE 'C'	TYPE 'D'	TYPE 'E'	TYPE 'F'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+)	INT. (-)
24"	84"	-	115.0	81.0	120.0	80.0	74.0	117.0
27"		-	115.0	81.0	120.0	80.0	74.0	117.0
30"		-	115.0	81.0	120.0	80.0	74.0	117.0
33"		-	115.0	81.0	120.0	80.0	74.0	117.0
36"		-	115.0	81.0	120.0	80.0	74.0	117.0
39"		-	115.0	-	120.0	80.0	-	-
42"		-	115.0	-	120.0	80.0	-	-
45"		-	115.0	-	120.0	80.0	-	-
24"	90"	-	115.0	81.0	120.0	80.0	74.0	117.0
27"		-	115.0	81.0	120.0	80.0	74.0	117.0
30"		-	115.0	81.0	120.0	80.0	74.0	117.0
33"		-	115.0	81.0	120.0	80.0	74.0	117.0
36"		-	115.0	81.0	120.0	80.0	-	-
39"		-	115.0	-	120.0	80.0	-	-
42"		-	115.0	-	120.0	80.0	-	-
45"		-	115.0	-	120.0	80.0	-	-
24"	96"	-	115.0	81.0	120.0	80.0	74.0	117.0
27"		-	115.0	81.0	120.0	80.0	74.0	117.0
30"		-	115.0	81.0	120.0	80.0	74.0	117.0
33"		-	115.0	81.0	120.0	80.0	-	-
36"		-	115.0	-	120.0	80.0	-	-
39"		-	115.0	-	120.0	80.0	-	-
42"		-	115.0	-	120.0	80.0	-	-
45"		-	115.0	-	120.0	80.0	-	-
24"	102"	-	115.0	81.0	120.0	80.0	74.0	117.0
27"		-	115.0	81.0	120.0	80.0	74.0	117.0
30"		-	115.0	81.0	120.0	80.0	74.0	117.0
33"		-	115.0	-	120.0	80.0	-	-
36"		-	115.0	-	120.0	80.0	-	-
39"		-	115.0	-	120.0	80.0	-	-
42"		-	115.0	-	120.0	80.0	-	-
45"		-	115.0	-	120.0	80.0	-	-
24"	108"	-	115.0	81.0	120.0	80.0	74.0	117.0
27"		-	115.0	81.0	120.0	80.0	74.0	117.0
30"		-	115.0	81.0	120.0	80.0	-	-
33"		-	115.0	-	120.0	80.0	-	-
36"		-	115.0	-	120.0	80.0	-	-
39"		-	-	-	120.0	-	-	-
42"		-	115.0	-	120.0	80.0	-	-
45"		-	115.0	-	120.0	80.0	-	-
24"	114"	-	115.0	81.0	120.0	80.0	74.0	117.0
27"		-	115.0	81.0	120.0	80.0	74.0	117.0
30"		-	115.0	-	120.0	80.0	-	-
33"		-	115.0	-	120.0	80.0	-	-
36"		-	-	-	120.0	80.0	-	-
39"		-	115.0	-	120.0	80.0	-	-
42"		-	115.0	-	120.0	80.0	-	-
45"		-	115.0	-	120.0	80.0	-	-
24"	120"	-	115.0	81.0	120.0	80.0	74.0	117.0
27"		-	115.0	81.0	120.0	80.0	-	-
30"		-	115.0	-	120.0	80.0	-	-
33"		-	115.0	-	120.0	80.0	-	-



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.14**
Expiration Date: **03/25/2024**
By: *Manuel Perez*
Miami-Dade Product Control



SEE SHEET 2 FOR GLAZING DETAILS.

DEC 07 2020

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

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
STORE W03-103RC

FX-345 ALUM. WINDOW WALL SYSTEM (L.M.I.)

RC Home Showcase, Inc.
16115 NW 52nd Ave.
Miami, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

revisions:

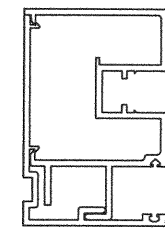
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J	10.10.13	MANUF. NAME REV.	
K	04.22.15	NO CHANGE THIS SHEET	
L	11.10.15	NO CHANGE THIS SHEET	
M	04.09.18	UPDATED TO 2017 FBC	
N	11.30.20	UPDATED TO 2020 FBC	

date: 11-14-03
scale: -
dr. by: TARIQ
chk. by:

drawing no.
W03-103
sheet 3 of 9

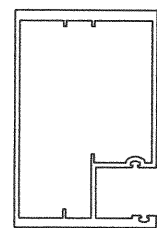
JAMB & MULLION DESIGN LOAD CAPACITY - PSF							
WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB TYPE 'J1'	JAMB TYPE 'J2'	MULL TYPE 'M1'	MULL TYPE 'M2'	MULL TYPE 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+)	INT.(-)
30"	60"	120.0	100.0	120.0	120.0	120.0	120.0
36"		120.0	100.0	120.0	120.0	120.0	120.0
42"		120.0	100.0	120.0	120.0	120.0	120.0
48"		120.0	100.0	120.0	120.0	120.0	120.0
54"		120.0	100.0	120.0	120.0	120.0	120.0
60"		120.0	100.0	120.0	120.0	120.0	120.0
66"		120.0	100.0	120.0	120.0	120.0	120.0
72"		120.0	100.0	120.0	120.0	120.0	120.0
30"	66"	120.0	100.0	120.0	120.0	120.0	120.0
36"		120.0	100.0	120.0	120.0	120.0	120.0
42"		120.0	100.0	120.0	120.0	120.0	120.0
48"		120.0	100.0	120.0	120.0	120.0	120.0
54"		120.0	100.0	120.0	120.0	120.0	120.0
60"		120.0	100.0	120.0	120.0	120.0	120.0
66"		120.0	100.0	120.0	120.0	120.0	120.0
72"		120.0	100.0	120.0	120.0	120.0	120.0
30"	72"	120.0	100.0	120.0	120.0	120.0	120.0
36"		120.0	100.0	120.0	120.0	120.0	120.0
42"		120.0	100.0	120.0	120.0	120.0	120.0
48"		120.0	100.0	120.0	120.0	120.0	120.0
54"		120.0	100.0	120.0	120.0	120.0	120.0
60"		120.0	100.0	120.0	120.0	120.0	120.0
66"		120.0	100.0	120.0	120.0	120.0	120.0
72"		120.0	100.0	120.0	120.0	120.0	120.0
30"	78"	120.0	100.0	120.0	120.0	120.0	120.0
36"		120.0	100.0	120.0	120.0	120.0	120.0
42"		120.0	100.0	120.0	120.0	120.0	120.0
48"		120.0	100.0	120.0	120.0	120.0	120.0
54"		120.0	100.0	120.0	120.0	120.0	120.0
60"		120.0	100.0	120.0	120.0	120.0	120.0
66"		120.0	100.0	120.0	120.0	120.0	120.0
72"		120.0	100.0	120.0	120.0	120.0	120.0
30"	84"	120.0	100.0	120.0	120.0	120.0	120.0
36"		120.0	100.0	120.0	120.0	120.0	120.0
42"		120.0	100.0	120.0	120.0	120.0	120.0
48"		120.0	100.0	120.0	120.0	120.0	120.0
54"		120.0	100.0	120.0	120.0	120.0	120.0
60"		120.0	100.0	116.4	120.0	120.0	120.0
66"		120.0	100.0	109.0	116.2	116.2	116.2
72"		120.0	100.0	103.6	110.4	110.4	110.4
30"	90"	115.0	100.0	80.0	115.0	115.0	115.0
36"		115.0	100.0	80.0	115.0	115.0	115.0
42"		115.0	100.0	80.0	115.0	115.0	115.0
48"		115.0	100.0	80.0	115.0	115.0	115.0
54"		75.0	100.0	-	-	63.0	81.0
60"		-	100.0	-	-	63.0	81.0
66"		-	-	-	-	63.0	81.0
30"	96"	115.0	100.0	80.0	115.0	115.0	115.0
36"		115.0	100.0	80.0	115.0	115.0	115.0
42"		115.0	100.0	80.0	115.0	115.0	115.0
48"		75.0	100.0	80.0	-	63.0	81.0
54"		75.0	100.0	-	-	63.0	81.0
60"		-	100.0	-	-	63.0	81.0
66"		-	100.0	-	-	63.0	81.0

JAMB & MULLION DESIGN LOAD CAPACITY - PSF							
WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB TYPE 'J1'	JAMB TYPE 'J2'	MULL TYPE 'M1'	MULL TYPE 'M2'	MULL TYPE 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+)	INT.(-)
30"	102"	115.0	100.0	-	75.0	63.0	81.0
36"		115.0	100.0	-	75.0	63.0	81.0
42"		115.0	100.0	-	75.0	63.0	81.0
48"		75.0	100.0	-	75.0	63.0	81.0
54"		-	100.0	-	-	63.0	81.0
30"	108"	115.0	100.0	-	75.0	63.0	81.0
36"		115.0	100.0	-	75.0	63.0	81.0
42"		115.0	100.0	-	75.0	63.0	81.0
48"		75.0	100.0	-	75.0	63.0	81.0
54"	114"	-	-	-	-	63.0	81.0
30"		115.0	100.0	-	75.0	63.0	81.0
36"		115.0	100.0	-	75.0	63.0	81.0
42"		75.0	100.0	-	75.0	63.0	81.0
48"		-	100.0	-	-	63.0	81.0
30"	120"	115.0	100.0	-	75.0	63.0	81.0
36"		111.6	100.0	-	75.0	63.0	81.0
42"		75.0	100.0	-	75.0	63.0	81.0
48"	126"	-	100.0	-	-	63.0	81.0
30"		115.0	-	-	75.0	63.0	81.0
36"		100.9	-	-	75.0	63.0	81.0
42"		-	-	-	-	63.0	81.0
48"		-	-	-	-	63.0	81.0



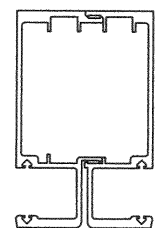
JAMB TYPE 'J1'

Ix IN ⁴	Sx IN ³
5.7083	1.8124



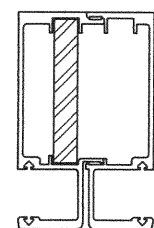
JAMB TYPE 'J2'

Ix IN ⁴	Sx IN ³
7.157	3.1515



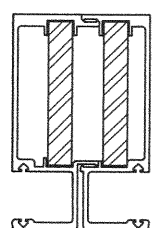
MULL TYPE 'M1'

Ix IN ⁴	Sx IN ³
6.6879	2.7458



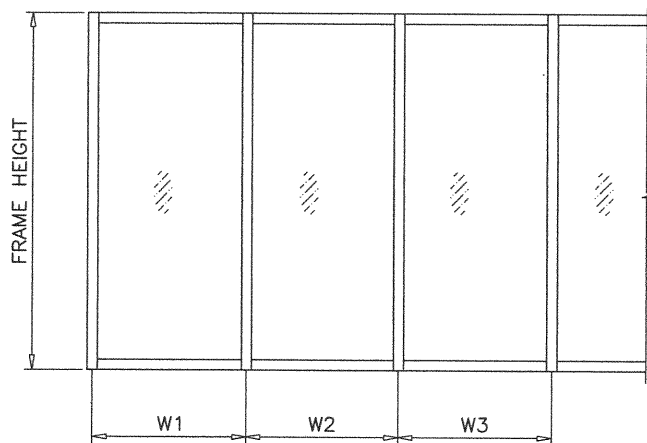
MULL TYPE 'M2'

	Ix IN ⁴	Sx IN ³
ALUMINUM	6.6879	2.7458
STEEL	1.125	.750
TOTAL	9.918	
Ix ALUM + Ix STL X 2.9		



MULL TYPE 'M3'

	Ix IN ⁴	Sx IN ³
ALUMINUM	6.6879	2.7458
STEEL	2.250	1.50
TOTAL	13.148	
Ix ALUM + Ix STL X 2.9		

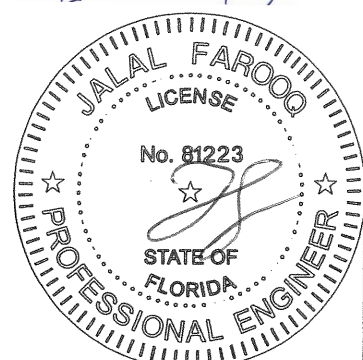


WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION

DEC 07 2020

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.14**
Expiration Date: **03/25/2024**
By: *Manuel Perez*
Miami-Dade Product Control



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

FX-345 ALUM. WINDOW WALL SYSTEM (L.M.I.)

RC Home Showcase, Inc.
16115 NW 52nd Ave.
Miami, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

revisions:

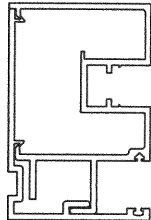
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J	10.10.13	MANUF.	NAME REV.
K	04.22.15	NO	CHANGE THIS SHEET
L	11.10.15	NO	CHANGE THIS SHEET
M	04.09.18	UPDATED	TO 2017 FBC
N	11.30.20	UPDATED	TO 2020 FBC

date: 11-14-03
scale: -
dr. by: TARIQ
chk. by:

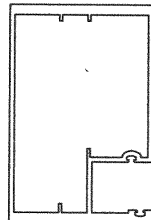
drawing no.
W03-103
sheet 4 of 9

JAMB & MULLION DESIGN LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB TYPE 'J1'	JAMB TYPE 'J2'	MULL TYPE 'M1'	MULL TYPE 'M2'	MULL TYPE 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+)	INT.(-)
30"	60"	120.0	100.0	120.0	120.0	120.0	120.0
36"		120.0	100.0	120.0	120.0	120.0	120.0
42"		120.0	100.0	120.0	120.0	120.0	120.0
48"		120.0	100.0	120.0	120.0	120.0	120.0
54"		120.0	100.0	120.0	120.0	120.0	120.0
60"		120.0	100.0	120.0	120.0	120.0	120.0
66"		120.0	100.0	120.0	120.0	120.0	120.0
72"		120.0	100.0	120.0	120.0	120.0	120.0
30"	66"	120.0	100.0	120.0	120.0	120.0	120.0
36"		120.0	100.0	120.0	120.0	120.0	120.0
42"		120.0	100.0	120.0	120.0	120.0	120.0
48"		120.0	100.0	120.0	120.0	120.0	120.0
54"		120.0	100.0	120.0	120.0	120.0	120.0
60"		120.0	100.0	120.0	120.0	120.0	120.0
66"		120.0	100.0	120.0	120.0	120.0	120.0
72"		120.0	100.0	120.0	120.0	120.0	120.0
30"	72"	120.0	100.0	120.0	120.0	120.0	120.0
36"		120.0	100.0	120.0	120.0	120.0	120.0
42"		120.0	100.0	120.0	120.0	120.0	120.0
48"		120.0	100.0	120.0	120.0	120.0	120.0
54"		120.0	100.0	120.0	120.0	120.0	120.0
60"		120.0	100.0	120.0	120.0	120.0	120.0
66"		120.0	100.0	120.0	120.0	120.0	120.0
72"		120.0	100.0	114.1	120.0	120.0	120.0
30"	78"	120.0	100.0	104.6	112.0	112.0	112.0
36"		120.0	100.0				
42"		120.0	100.0				
48"		120.0	100.0				
54"		120.0	100.0				
60"		120.0	100.0				
66"		120.0	100.0				
72"		120.0	100.0				
30"	84"	120.0	100.0				
36"		120.0	100.0				
42"		120.0	100.0				
48"		120.0	100.0				
54"		120.0	100.0				
60"		120.0	100.0				
66"		120.0	100.0				
30"	90"	120.0	100.0				
36"		120.0	100.0				
42"		120.0	100.0				
48"		120.0	100.0				
54"		120.0	100.0				
60"		120.0	100.0				
66"		120.0	100.0				
30"	96"	120.0	100.0				
36"		120.0	100.0				
42"		120.0	100.0				
48"		120.0	100.0				
54"		120.0	100.0				
60"		120.0	100.0				
66"		120.0	100.0				

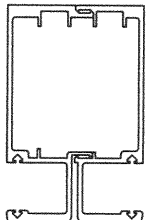
JAMB & MULLION DESIGN LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB TYPE 'J1'	JAMB TYPE 'J2'	MULL TYPE 'M1'	MULL TYPE 'M2'	MULL TYPE 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+)	INT.(-)
30"	102"	115.0	100.0	-	75.0	63.0	81.0
36"		115.0	100.0	-	75.0	63.0	81.0
42"		115.0	100.0	-	75.0	63.0	81.0
48"		75.0	100.0	-	75.0	63.0	81.0
54"		-	100.0	-	-	63.0	81.0
30"	108"	115.0	100.0	-	75.0	63.0	81.0
36"		115.0	100.0	-	75.0	63.0	81.0
42"		115.0	100.0	-	75.0	63.0	81.0
48"		75.0	100.0	-	75.0	63.0	81.0
30"	114"	115.0	100.0	-	75.0	63.0	81.0
36"		115.0	100.0	-	75.0	63.0	81.0
42"		75.0	100.0	-	75.0	63.0	81.0
48"		-	100.0	-	-	63.0	81.0
30"	120"	115.0	100.0	-	75.0	63.0	81.0
36"		109.4	100.0	-	75.0	63.0	81.0
42"		75.0	100.0	-	75.0	63.0	81.0
48"		-	100.0	-	-	63.0	81.0
30"	126"	115.0	-	-	75.0	63.0	81.0
36"		98.4	-	-	75.0	63.0	81.0
42"		-	-	-	-	63.0	81.0
48"		-	-	-	-	63.0	81.0



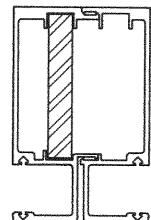
JAMB TYPE 'J1'



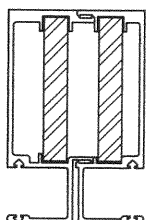
JAMB TYPE 'J2'



MULL TYPE 'M1'



MULL TYPE 'M2'



MULL TYPE 'M3'

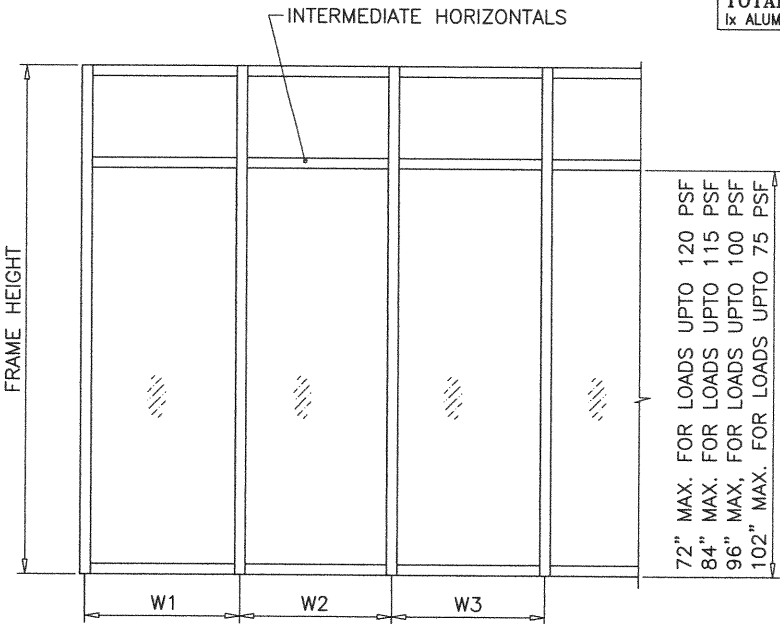
Ix IN^4	Sx IN^3
5.7083	1.8124

Ix IN^4	Sx IN^3
7.157	3.1515

Ix IN^4	Sx IN^3
6.6879	2.7458

ALUMINUM	Ix IN^4	Sx IN^3
STEEL	1.125	.750
TOTAL		
Ix ALUM + Ix STL X 2.9	9.918	

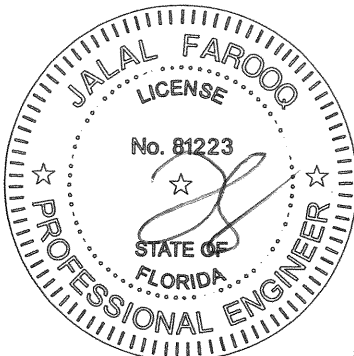
ALUMINUM	Ix IN^4	Sx IN^3
STEEL	2.250	1.50
TOTAL		
Ix ALUM + Ix STL X 2.9	13.148	



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.14**
Expiration Date: **03/25/2024**
By: *Manuel Perez*
Miami-Dade Product Control



FX-345 ALUM. WINDOW WALL SYSTEM (L.M.I.)

RC Home Showcase, Inc.

16115 NW 52nd Ave.

Miami, FL 33014

TEL. (305) 392-6214 FAX. (305) 260-6432

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)

STORE\W03-103RC

revisions:

date: 11-14-03

scale: -

dr. by: TARIQ

chk. by:

drawing

no. **W03-103**

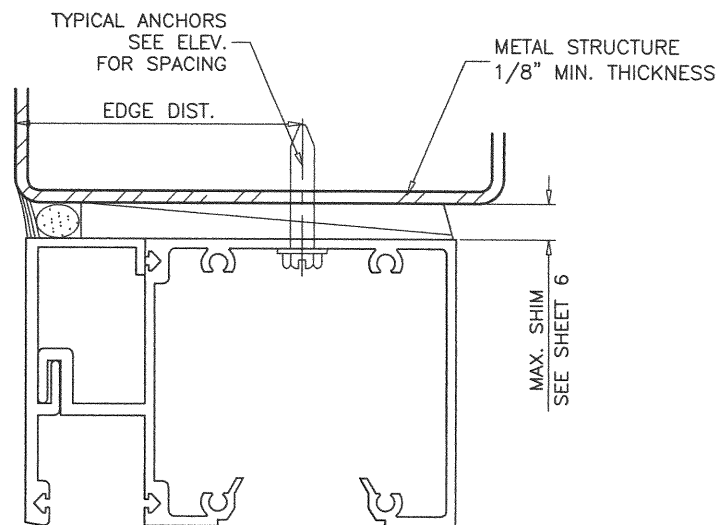
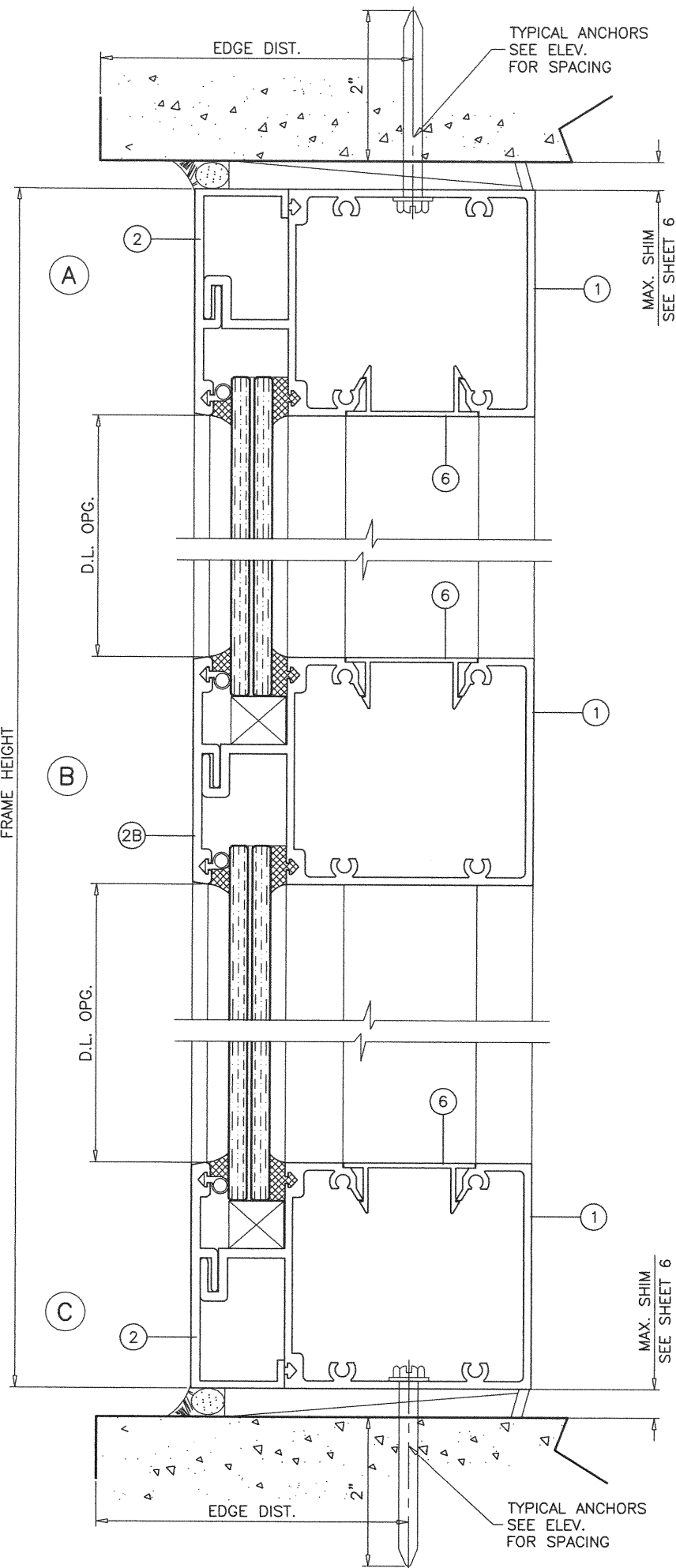
sheet 5 of 9

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)																	
NOMINAL DIMS.		ANCHORS TYPE 'A'						ANCHORS TYPE 'B'									
		1/4" SHIM		3/8" MAX. SHIM		1/2" MAX. SHIM		1/4" SHIM		3/8" MAX. SHIM		1/2" MAX. SHIM					
WIDTH (W)	FRAME HEIGHT	A2	A3	A2	A3	A4	A2	A3	A4	B2	B3	B2	B3	B4	B2	B3	B4
30"	60"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	111.8	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	103.2	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	97.8	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	94.8	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	119.2	120.0	120.0	93.9	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	119.2	120.0	120.0	93.9	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	119.2	120.0	120.0	93.9	120.0	120.0
30"	66"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	110.5	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	97.8	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	113.6	120.0	120.0	89.4	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	112.6	120.0	120.0	120.0	120.0	106.5	120.0	120.0	83.8	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	107.8	120.0	120.0	120.0	120.0	101.9	120.0	120.0	80.2	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	105.1	120.0	120.0	120.0	120.0	99.4	120.0	120.0	78.2	117.4	120.0
66"		120.0	120.0	120.0	120.0	120.0	104.3	120.0	120.0	120.0	120.0	98.5	120.0	120.0	77.6	116.4	120.0
72"		120.0	120.0	120.0	120.0	120.0	104.3	120.0	120.0	120.0	120.0	98.5	120.0	120.0	77.6	116.4	120.0
30"	72"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	98.8	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0	116.8	120.0	120.0	120.0	120.0	110.4	120.0	120.0	86.9	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	106.0	120.0	120.0	120.0	120.0	100.2	120.0	120.0	78.9	118.3	120.0
48"		120.0	120.0	120.0	120.0	120.0	98.6	120.0	120.0	120.0	120.0	93.2	120.0	120.0	73.4	110.0	120.0
54"		120.0	120.0	119.5	120.0	120.0	93.4	120.0	120.0	120.0	120.0	88.3	120.0	120.0	69.5	104.3	120.0
60"		120.0	120.0	115.2	120.0	120.0	90.1	120.0	120.0	120.0	120.0	85.2	120.0	120.0	67.1	100.6	120.0
66"		120.0	120.0	112.8	120.0	120.0	88.2	120.0	120.0	120.0	120.0	83.4	120.0	120.0	65.7	98.5	120.0
72"		120.0	120.0	112.0	120.0	120.0	87.6	120.0	120.0	120.0	120.0	82.8	120.0	120.0	65.2	97.8	120.0
30"	78"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	113.6	120.0	120.0	120.0	89.4	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0	105.1	120.0	120.0	120.0	120.0	99.4	120.0	120.0	78.2	117.4	120.0
42"		120.0	120.0	120.0	120.0	120.0	94.8	120.0	120.0	120.0	120.0	89.6	120.0	120.0	70.6	105.9	120.0
48"		120.0	120.0	112.0	120.0	120.0	87.6	120.0	120.0	120.0	120.0	82.8	120.0	120.0	65.2	97.8	120.0
54"		120.0	120.0	105.4	120.0	120.0	82.4	120.0	120.0	120.0	120.0	77.9	116.9	120.0	61.4	92.0	120.0
60"		120.0	120.0	100.8	120.0	120.0	78.8	118.3	120.0	120.0	120.0	74.5	111.8	120.0	58.7	88.0	117.4
66"		120.0	120.0	97.7	120.0	120.0	76.5	114.7	120.0	120.0	120.0	72.3	108.4	120.0	56.9	85.4	113.8
72"		120.0	120.0	96.0	120.0	120.0	75.1	112.6	120.0	120.0	120.0	71.0	106.5	120.0	55.9	83.8	111.8
30"	84"	120.0	120.0	120.0	120.0	120.0	109.7	120.0	120.0	120.0	120.0	103.7	120.0	120.0	81.6	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0	95.6	120.0	120.0	120.0	120.0	90.3	120.0	120.0	71.1	106.7	120.0
42"		120.0	120.0	109.7	120.0	120.0	85.8	120.0	120.0	120.0	120.0	81.1	120.0	120.0	63.9	95.8	120.0
48"		120.0	120.0	100.8	120.0	120.0	78.8	118.3	120.0	120.0	120.0	74.5	111.8	120.0	58.7	88.0	117.4
54"		120.0	120.0	94.3	120.0	120.0	73.8	110.7	120.0	120.0	120.0	69.7	104.6	120.0	54.9	82.4	109.8
60"		120.0	120.0	89.6	120.0	120.0	70.1	105.1	120.0	120.0	120.0	66.2	99.4	120.0	52.2	78.2	104.3
66"		120.0	120.0	86.2	120.0	120.0	67.5	101.2	120.0	120.0	120.0	63.8	95.6	120.0	50.2	75.3	100.4
30"	90"	120.0	120.0	120.0	120.0	120.0	100.9	120.0	120.0	120.0	120.0	95.4	120.0	120.0	75.1	112.7	120.0
36"		120.0	120.0	112.0	120.0	120.0	87.6	120.0	120.0	120.0	120.0	82.8	120.0	120.0	65.2	97.8	120.0
42"		120.0	120.0	100.2	120.0	120.0	78.4	117.5	120.0	120.0	120.0	74.1	111.1	120.0	58.3	87.5	116.6
48"		120.0	120.0	91.6	120.0	120.0	71.7	107.5	120.0	120.0	120.0	67.7	101.6	120.0	53.3	80.0	106.7
54"		120.0	120.0	85.3	120.0	120.0	66.7	100.1	120.0	120.0	120.0	63.1	94.6	120.0	49.7	74.5	99.4
60"		117.4	120.0	80.6	120.0	120.0	63.1	94.6	120.0	120.0	120.0	59.6	89.4	119.2	46.9	70.4	93.9
66"		112.4	120.0	77.2	115.8	120.0	60.4	90.5	120.0	120.0	120.0	57.0	85.6	114.1	44.9	67.4	89.8
30"	96"	120.0	120.0	119.5	120.0	120.0	93.4	120.0	120.0	120.0	120.0	88.3	120.0	120.0	69.5	104.3	120.0
36"		120.0	120.0	103.4	120.0	120.0	80.9	120.0	120.0	120.0	120.0	76.4	114.6	120.0	60.2	90.3	120.0
42"		120.0	120.0	92.2	120.0	120.0	72.1	108.1	120.0	120.0	120.0	68.1	102.2	120.0	53.7	80.5	107.3
48"		120.0	120.0	84.0	120.0	120.0	65.7	98.5	120.0	120.0	120.0	62.1	93.2	120.0	48.9	73.4	97.8
54"		113.5	120.0	77.9	116.9	120.0	60.9	91.4	120.0	120.0	120.0	57.6	86.4	115.2	45.4	68.0	90.7
60"		106.8	120.0	73.3	110.0	120.0	57.3	86.0	114.7	114.6	120.0	54.2	81.3	108.4	42.7	64.0	85.4
66"		120.0	120.0	111.2	120.0	120.0	87.0	120.0	120.0	120.0	120.0	82.2	120.0	120.0	64.8	97.1	120.0
30"	102"	120.0	120.0	96.0	120.0	120.0	75.1	112.6	120.0	120.0	120.0	71.0	106.5	120.0	55.9	83.8	111.8
36"		120.0	120.0	85.3	120.0	120.0	66.7	100.1	120.0	120.0	120.0	63.1	94.6	120.0	49.7	74.5	99.4
42"		112.9	120.0	77.5	116.3	120.0	60.6	91.0	120.0	120.0	120.0	57.3	86.0	114.6	45.1	67.7	90.3
54"		104.4	120.0	71.7	107.5	120.0	56.1	84.1	112.1	112.1	120.0	53.0	79.5	106.0	41.7	62.6	83.5

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)																	
NOMINAL DIMS.		ANCHORS TYPE 'A'						ANCHORS TYPE 'B'									
		1/4" SHIM		3/8" MAX. SHIM		1/2" MAX. SHIM		1/4" SHIM		3/8" MAX. SHIM		1/2" MAX. SHIM					
WIDTH (W)	FRAME HEIGHT	A2	A3	A2	A3	A4	A2	A3	A4	B2	B3	B2	B3	B4	B2	B3	B4
30"	108"	120.0	120.0	104.1	120.0	120.0	81.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	89.6	120.0	120.0	70.1	105.1	120.0	120.0	120.0	120.0	120.0	120.0	66.2	99.4	120.0
42"		115.7	120.0	79.4	119.2	120.0	62.1	93.2	120.0	120.0	120.0	120.0	120.0	120.0	58.7	88.1	117.5
48"		104.9	120.0	72.0	108.0	120.0	56.3	84.5	112.6	112.6	120.0	120.0	120.0	120.0	53.2	79.8	

EXTERIOR

FRAME HEIGHT



METAL STRUCTURES NOT BY 'RC HOME SHOWCASE'
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 1/4" DIA. KWIK-CON II+ BY 'HILTI' ($F_u=138$ KSI, $F_y=137$ KSI)
DIRECTLY INTO CONCRETE OR BLOCKS
2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
2" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)

TYPE 'B' - 1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
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 METAL STRUCTURE = 3/4" MIN.

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

SEALANTS:

ALL FRAME CORNERS AND MULLION SEAMS SEALED
WITH SILICONE.

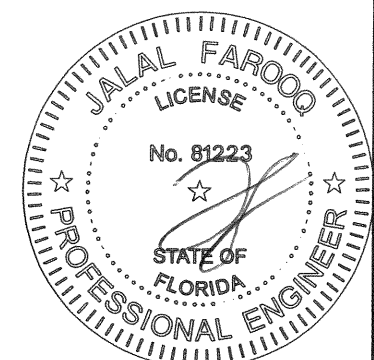
PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. **20-1216.14**

Expiration Date: **03/25/2024**

By: *Manuel Perez*
Miami-Dade Product Control

DEC 07 2020

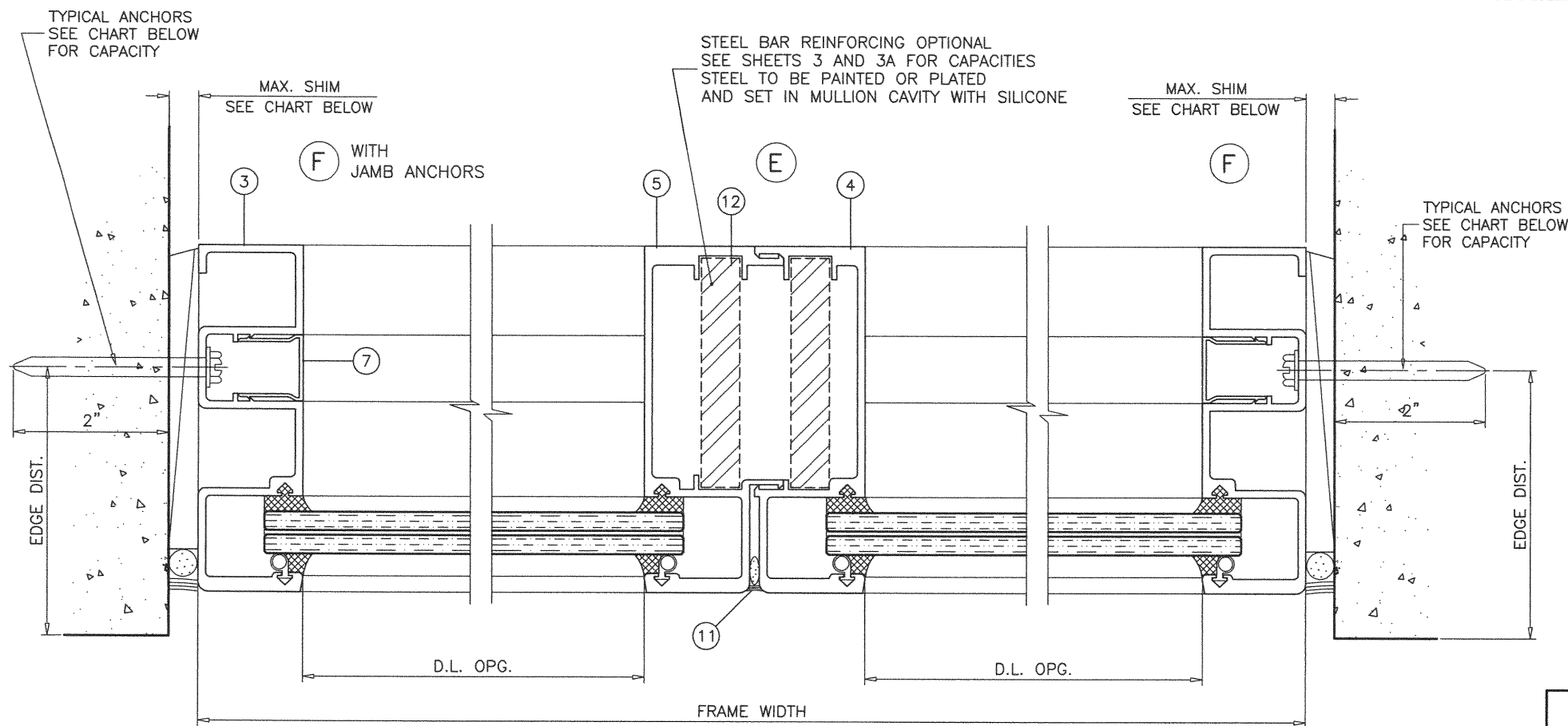


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W03-103RC

FX-345 ALUM. WINDOW WALL SYSTEM (L.M.I.)
RC Home Showcase, Inc.
16115 NW 52nd Ave.
Miami, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

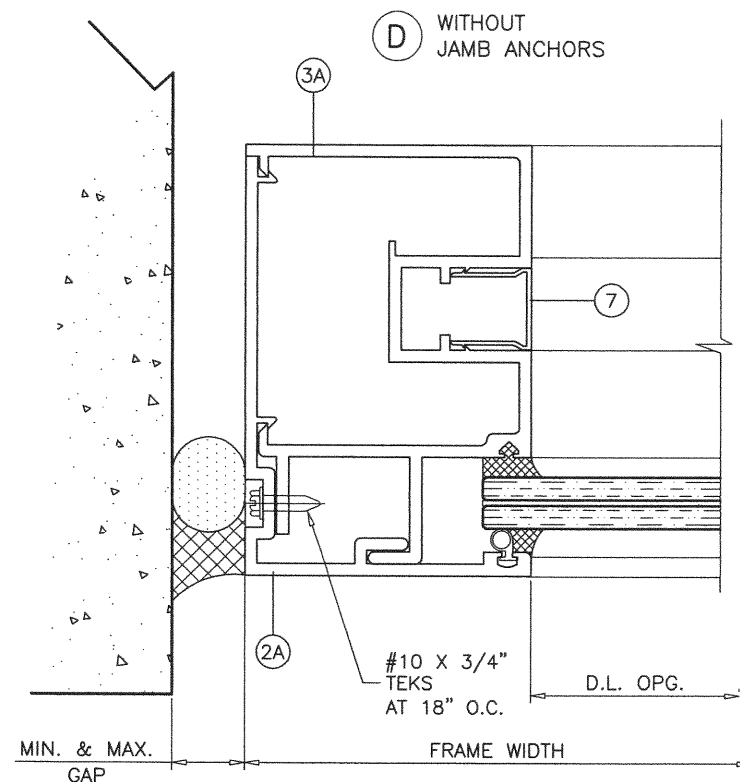
revisions:		no	date	by	description
	J	10.10.13		MANUF. NAME REV.	
	K	04.22.15		UPDATED TO 2014 FBC	
	L	11.10.15		REV. PER RER COMMENTS	
	M	04.09.18		UPDATED TO 2017 FBC	
	N	11.30.20		UPDATED TO 2020 FBC	

date: 11-14-03
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
W03-103
sheet 7 of 9

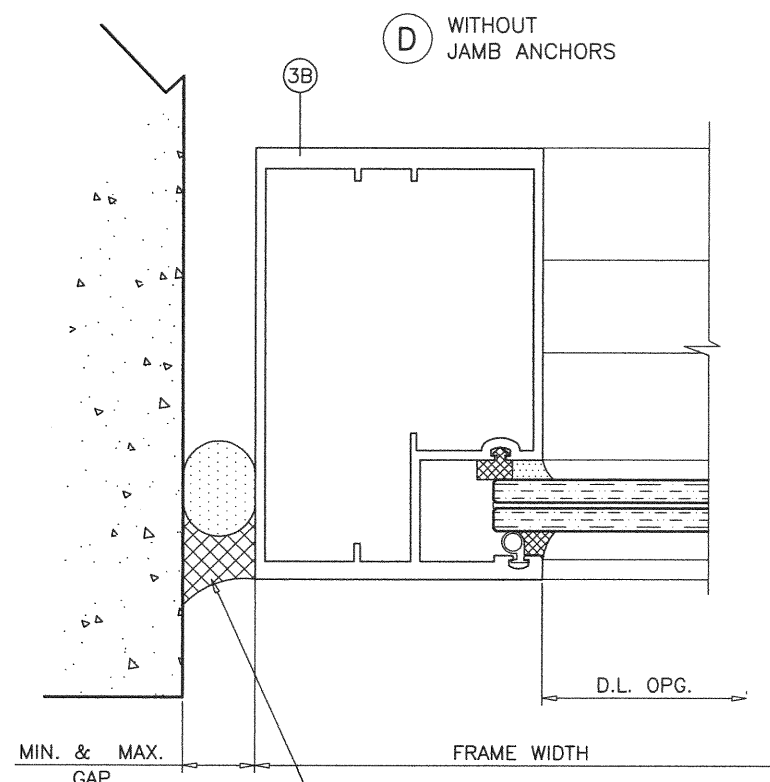


JAMB WITH FRAME ANCHORS

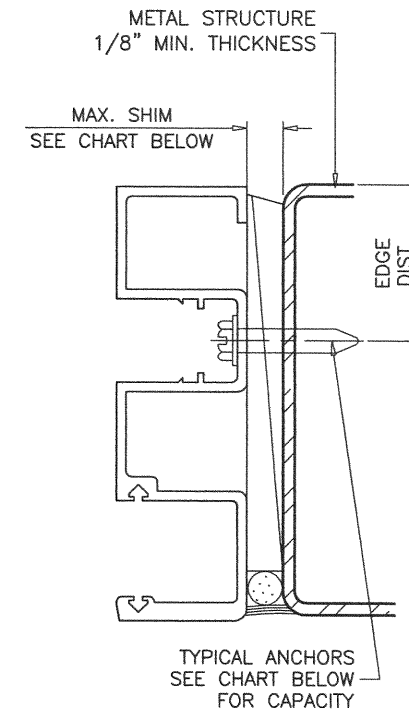
EXTERIOR



OPTIONAL JAMBS WITHOUT FRAME ANCHORS

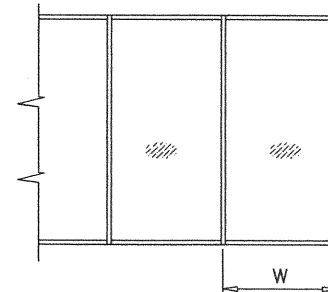


SILICONE
DOWSIL 790
MIN. GAP = 0.0032 X FRAME HT.
MAX. GAP = 0.750 IN.

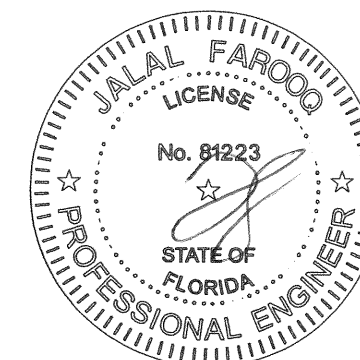


JAMB ANCHORS LOAD CAPACITY - PSF EXT.(+) & INT.(-)								
WIDTH (W)	ANCHORS TYPE 'A'			ANCHORS TYPE 'B'				
	AT 12" O.C.		AT 6" O.C.	AT 12" O.C.		AT 6" O.C.		
	3/8" SHIM	1/2" SHIM	1/2" SHIM	1/4" SHIM	3/8" SHIM	1/2" SHIM	3/8" SHIM	1/2" SHIM
30"	120.0	120.0	120.0	120.0	120.0	117.4	120.0	120.0
36"	120.0	120.0	120.0	120.0	120.0	97.8	120.0	120.0
42"	120.0	112.6	120.0	120.0	106.5	83.8	120.0	120.0
48"	120.0	98.6	120.0	120.0	93.2	73.4	120.0	120.0
54"	111.6	87.6	120.0	120.0	82.8	65.2	120.0	120.0
60"	100.4	78.8	120.0	120.0	74.5	58.7	120.0	117.4
66"	91.3	71.7	120.0	120.0	67.7	53.3	120.0	106.7
72"	83.7	65.7	120.0	120.0	62.1	48.9	120.0	97.8

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.14**
Expiration Date: **03/25/2024**
By: *Manuel Torres*
Miami-Dade Product Control



DEC 07 2020



af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978
FAX. (305) 262-6978

FX-345 ALUM. WINDOW WALL SYSTEM (L.M.I.)

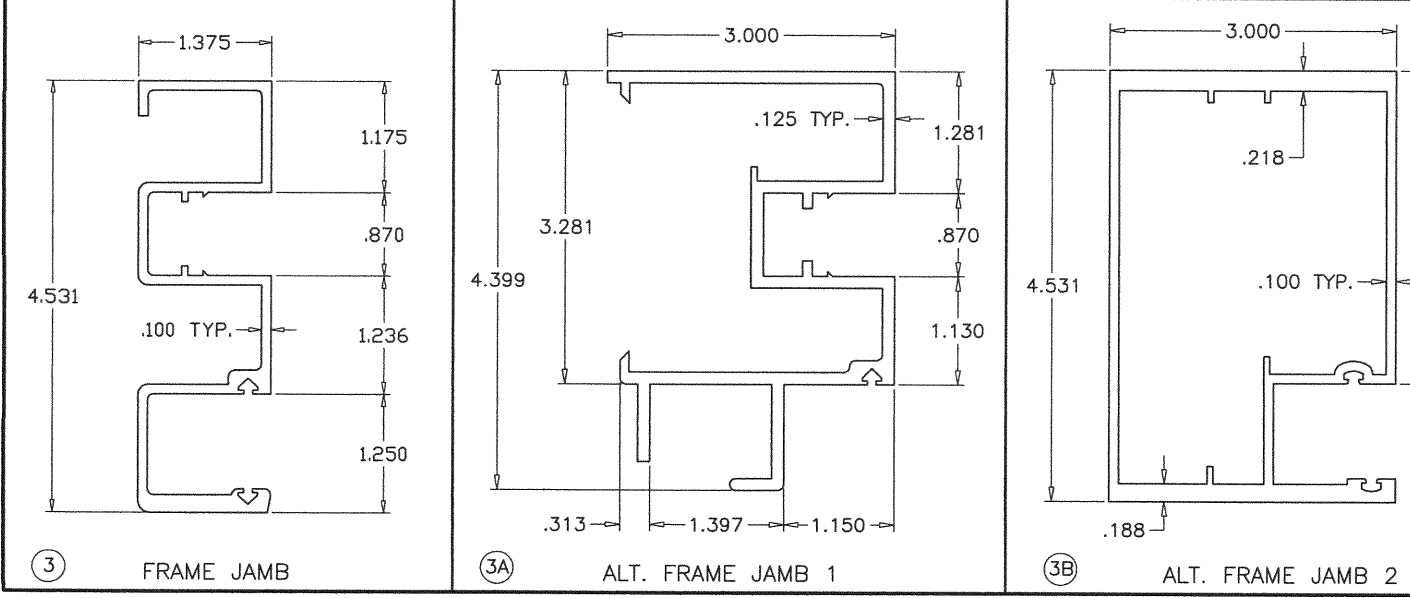
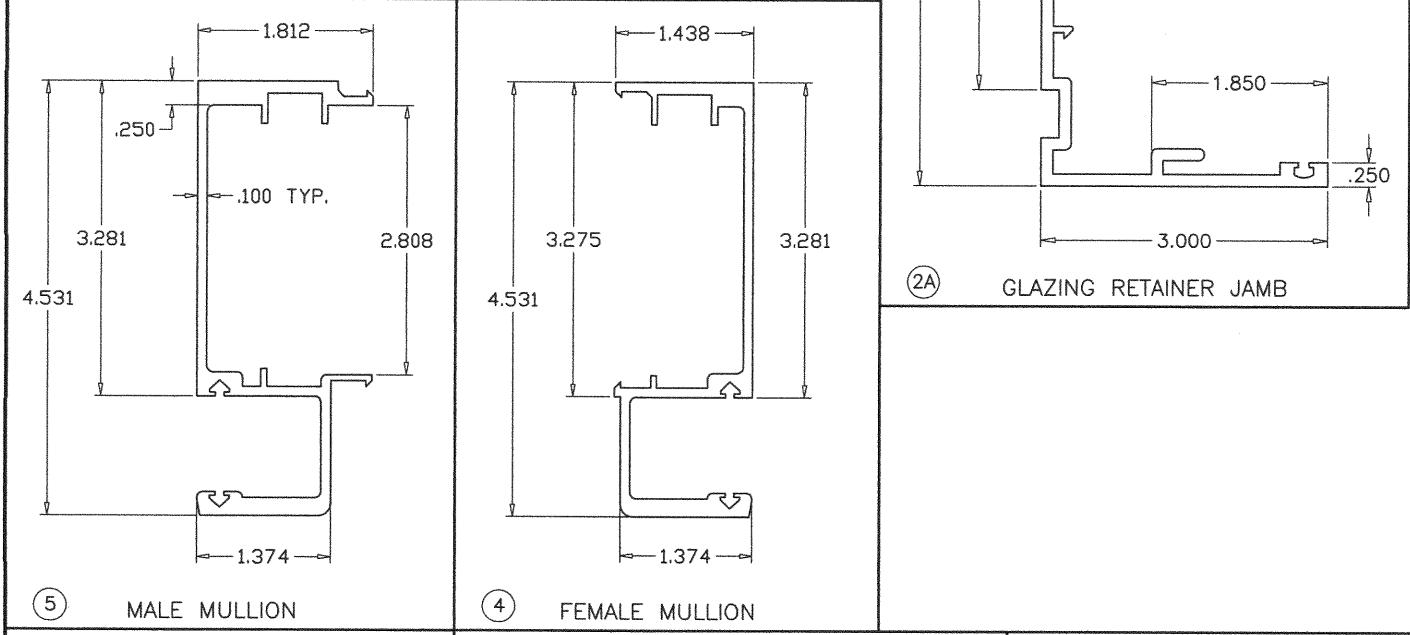
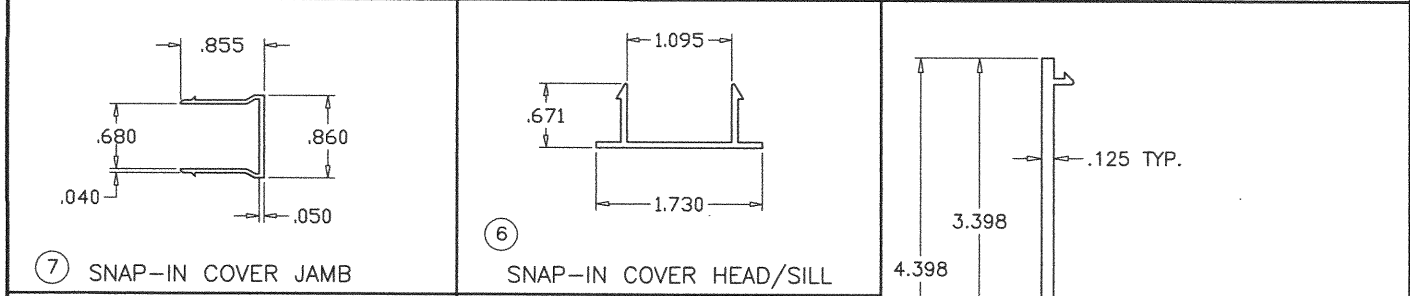
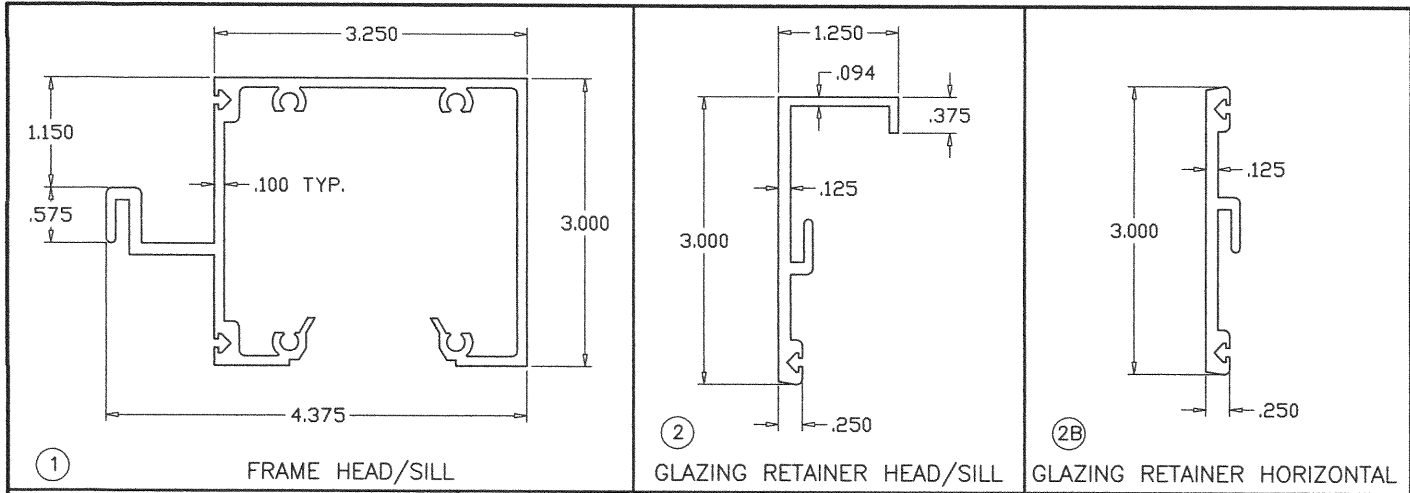
RC Home Showcase, Inc.
16115 NW 52nd Ave.
Miami, FL 33014
TEL. (305) 392-6214
FAX. (305) 260-6432

revisions:

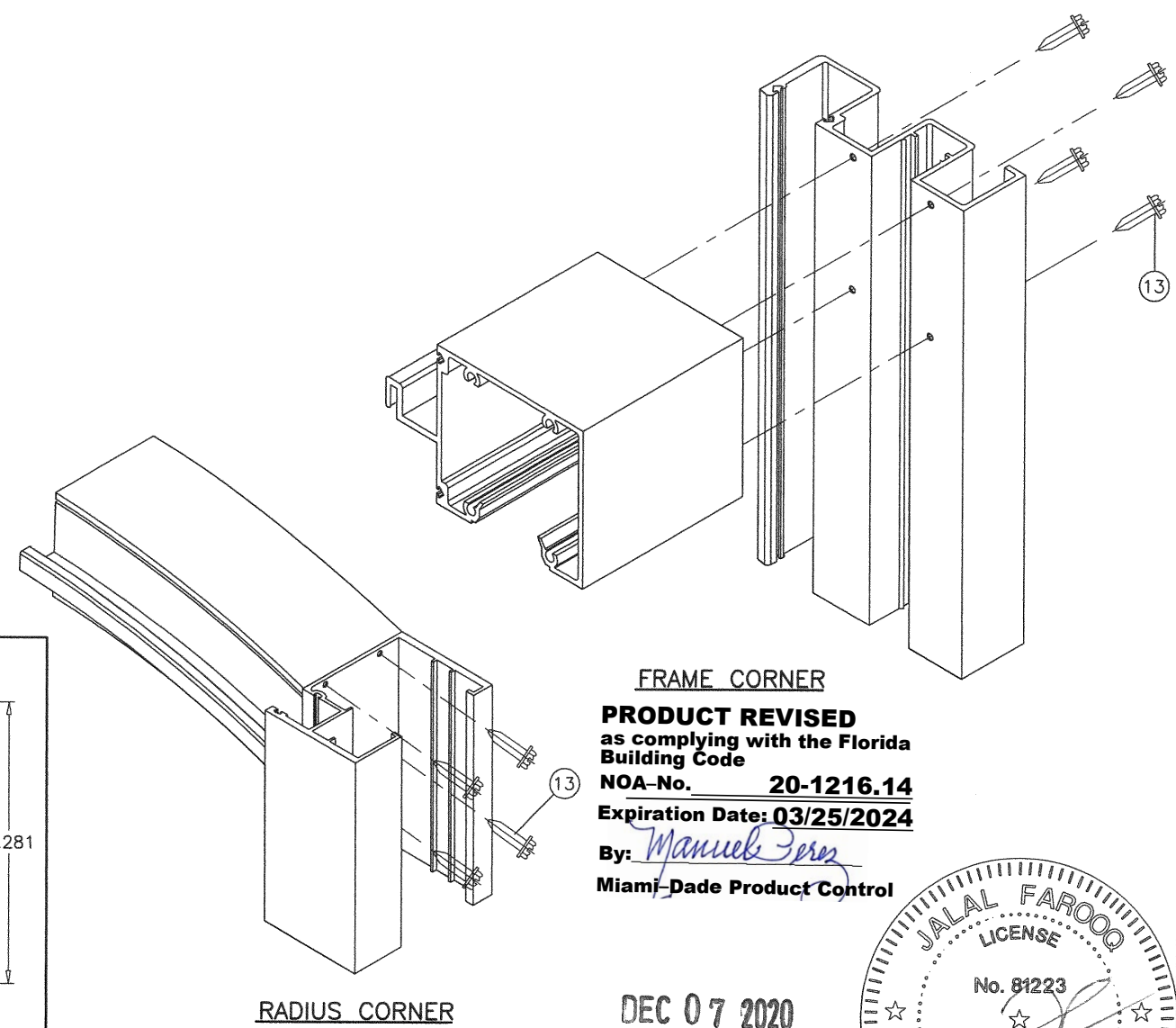
no	date	by	description
J	10.10.13	MANUF.	NAME REV.
K	04.22.15		UPDATED TO 2014 FBC
L	11.10.15		REV. PER RER COMMENTS
M	04.09.18		UPDATED TO 2017 FBC
N	11.30.20		UPDATED TO 2020 FBC

date: 11-14-03
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W03-103
sheet 8 of 9

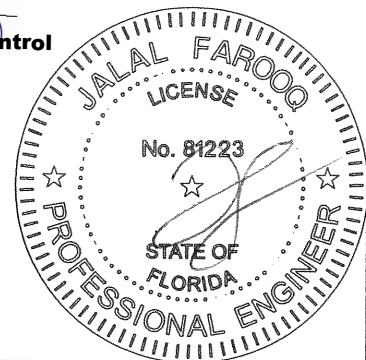


ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	FX345-04	AS REQD.	FRAME HEAD/SILL	6063-T6	ALUMAX OR EQUIV.
2	FX345-06	AS REQD.	GLAZING RETAINER (HEAD/SILL)	6063-T5	ALUMAX OR EQUIV.
2A	FX345-013	AS REQD.	GLAZING RETAINER (JAMB)	6063-T6	ALUMAX OR EQUIV.
2B	FX345-05	AS REQD.	GLAZING RETAINER (HORIZONTAL)	6063-T5	ALUMAX OR EQUIV.
3	FX345-09	AS REQD.	FRAME JAMB	6063-T6	ALUMAX OR EQUIV.
3A	FX345-012	AS REQD.	ALT. FRAME JAMB 1	6063-T6	ALUMAX OR EQUIV.
3B	FX345-049	AS REQD.	ALT. FRAME JAMB 2	6063-T6	ALUMAX OR EQUIV.
4	FX345-01	AS REQD.	FEMALE MULLION	6063-T6	ALUMAX OR EQUIV.
5	FX345-02	AS REQD.	MALE MULLION	6063-T6	ALUMAX OR EQUIV.
6	FX345-07	AS REQD.	SNAP-IN COVER HEAD/SILL	6063-T5	ALUMAX OR EQUIV.
7	245FX011	AS REQD.	SNAP-IN COVER JAMB	6063-T5	ALUMAX OR EQUIV.
8	WV-8215	AS REQD.	WEDGE GASKET	VINYL	WIBORG
8.1	-	AS REQD.	3/16" X 1/2" NORTON SINGLE FACE TAPE	-	V2100 SERIES
9	WV-3289	AS REQD.	BULB WEATHERSTRIPPING	VINYL	WIBORG
9.1	V-088	AS REQD.	BACK UP VINYL	VINYL	-
9.2	V-089	AS REQD.	1/2" OFFSET GASKET	VINYL	-
10	-	2/ LITE	SETTING BLOCKS (3/4" X 5/8" X 3-1/4")	NEOPRENE	LOWE, DUROMETER 80±5 SHORE A
11	-	-	SEALANT DOWSIL 995 OR EQUIV.	SILICONE	-
12	-	AS REQD.	REINFORCING BAR, FULL LENGTH (1/2" X 3")	STEEL	SILICONED IN PLACE
13	-	4/ CORNER	FRAME ASSEMBLY SCREWS	-	#12 X 1-1/4" HH SMS



FRAME CORNER
PRODUCT REVISED
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NOA-No. **20-1216.14**
Expiration Date: **03/25/2024**
By: *Manuel Perez*
Miami-Dade Product Control

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STORE/WO3-103RC

FX-345 ALUM. WINDOW WALL SYSTEM (L.M.I.)
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revisions:
no date by description
J 10.10.13 MANUF. NAME REV.
K 04.22.15 UPDATED TO 2014 FBC
L 11.10.15 NO CHANGE THIS SHEET
M 04.09.18 UPDATED TO 2017 FBC
N 11.30.20 UPDATED TO 2020 FBC

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W03-103
sheet 9 of 9