



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 - S.M.I.

APPROVAL DOCUMENT: Drawing No. **W03-46**, titled "FX-345 Alum. Window Wall System (S.M.I.)", sheets 1 through 6, 6.1, 7, 8, 9 of 9, dated 06/21/03 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: 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.

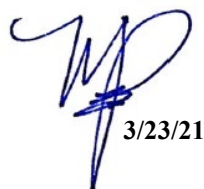
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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. 19-0219.07** 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. 20-1216.15
Expiration Date: June 10, 2024
Approval Date: April 01, 2021
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

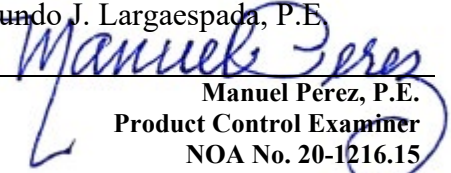
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 99-0204.07)
2. Drawing No. **W03-46**, titled "FX-345 Alum. Window Wall System (S.M.I.)", sheets 1 through 6, 6.1, 7, 8, 9 of 9, dated 06/21/03, with revision **M** dated 04/09/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 18-0418.06)

B. TESTS

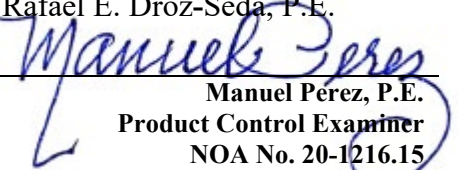
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Safety Performance (Impact) per American National Standard for Safety Glazing, ANSI Z-97.1, and (CPSC 16 CFR 1201)
along with marked-up drawings and installation diagram of aluminum an window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6101**, dated 06/12/10, signed and sealed by Jorge A. Causo, P.E.
(Submitted under NOA No. 10-1110.01)
2. Test report on: 1) Safety Performance (Impact) per American National Standard for Safety Glazing Materials, ANSI Z-97.1 (CPSC 16 CFR 1201),
along with marked-up and die drawings of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5320**, dated 07/05/07, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under NOA No. 07-0831.04)
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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4612**, dated 05/17/05, signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA No. 05-1214.
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, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3478**, dated 07/03/02, 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. 20-1216.15
Expiration Date: June 10, 2024
Approval Date: April 01, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

5. 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)
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
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-3719**, dated 02/26/03, signed and sealed by Joseph C. Chan, P.E.
(Submitted under NOA No. 04-0831.04)
7. 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. 04-0830.01)
8. 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, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1031**, dated 06/11/01, revised on 08/06/03, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 99-0204.07)
9. 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-01-1189**, dated 06/01/01, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 99-0204.07)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-1216.15
Expiration Date: June 10, 2024
Approval Date: April 01, 2021

RC Home Showcase, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, dated 03/05/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 18-0418.06)
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. **17-0808.02** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 12/28/17, expiring on 07/04/23.
2. Notice of Acceptance 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.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, and of no financial interest, dated February 9, 2018, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 18-0418.06)

G. OTHERS

1. Notice of Acceptance No. **18-0418.06**, issued to RC Home Showcase, Inc. for their Series **"FX-345"** Aluminum Window Wall System - S.M.I., approved on 05/24/18 and expiring on 06/10/19.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-1216.15
Expiration Date: June 10, 2024
Approval Date: April 01, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W03-46**, titled “FX-345 Alum. Window Wall System (S.M.I.)”, sheets 1 through 6, 6.1, 7, 8, 9 of 9, dated 06/21/03, 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 03/05/18, 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.

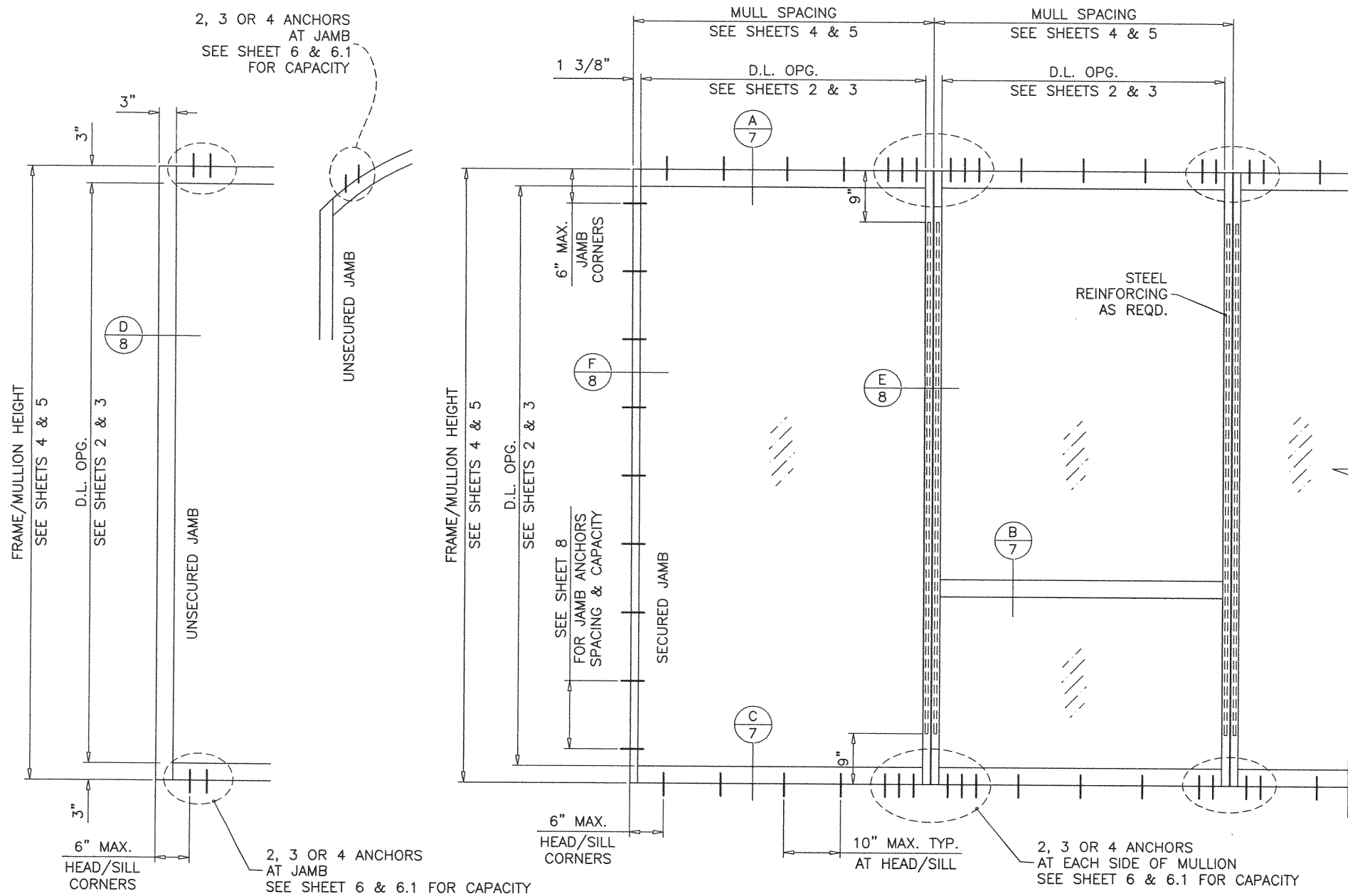
F. STATEMENTS

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.

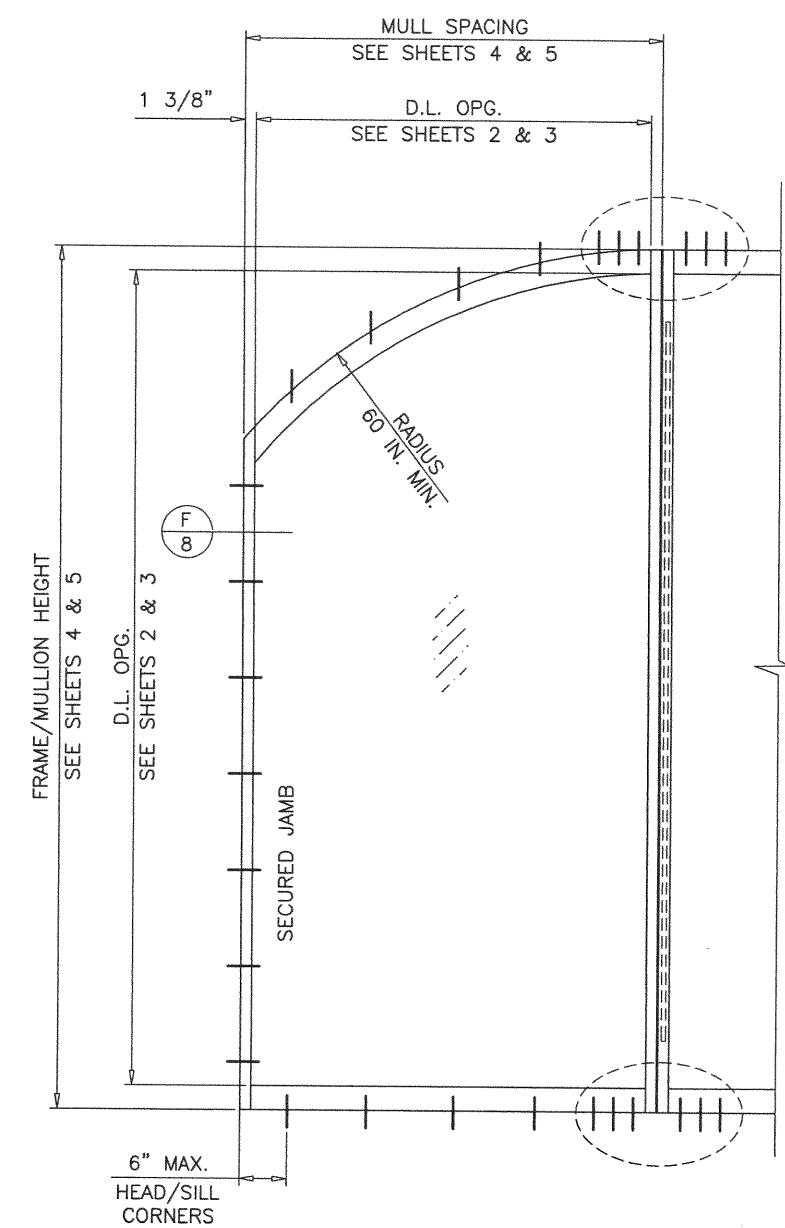
G. OTHERS

1. Notice of Acceptance No. **19-0219.07**, issued to RC Home Showcase, Inc. for their Series “FX-345” Aluminum Window Wall System - S.M.I., approved on 04/11/19 and expiring on 06/10/24.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 20-1216.15
Expiration Date: June 10, 2024
Approval Date: April 01, 2021



TYPICAL ELEVATION



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

THIS SYSTEM IS RATED FOR SMALL MISSILE IMPACT.

MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQUIRED FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

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)'.

INSTRUCTIONS:

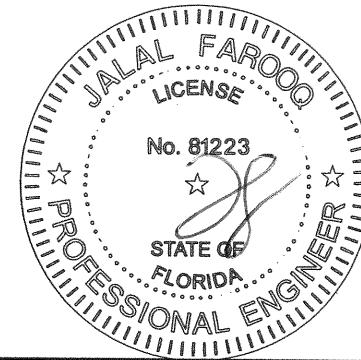
USE CHARTS AS FOLLOWS.

- 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 SHEETS 2 AND 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- 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 SHEET 6 & 6.1 & 6.1 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.

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1216.15
Expiration Date: 06/10/2024
By: *Manuel Fern*
Miami-Dade Product Control

LAMINATED GLASS
SMALL MISSILE IMPACT



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/W03-46RC

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

RC HOME SHOWCASE, INC.
16115 NW 52nd AVE.
MIAMI, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

date: 06-21-03
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

no	date	by	description
J	03.20.12		UPDATED TO 2010 FBC
K	10.10.13		MANUF. NAME REV.
L	04.23.15		UPDATED TO 2014 FBC
M	04.09.18		UPDATED TO 2017 FBC
N	11.20.20		UPDATED TO 2020 FBC

drawing no.
W03-46

sheet 1 of 9

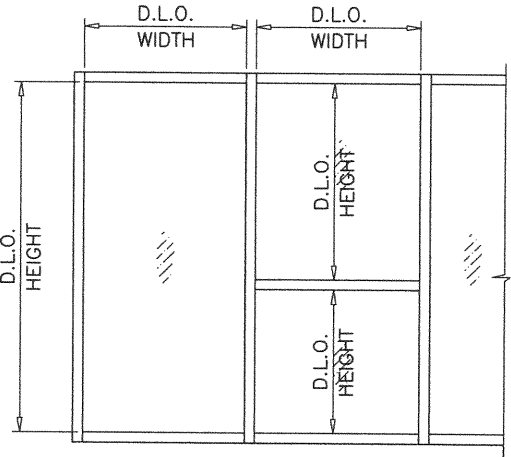
date: 06-21-03
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

GLASS LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
24"	60"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		143.0	105.0	101.0
45"		143.0	105.0	101.0
48"		143.0	105.0	101.0
51"		143.0	105.0	101.0
54"		143.0	105.0	101.0
57"		143.0	105.0	101.0
60"		143.0	105.0	101.0
63"		143.0	105.0	101.0
66"	63"	101.0	105.0	101.0
69"		101.0	105.0	101.0
72"		101.0	105.0	101.0
24"		143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		143.0	105.0	101.0
45"		143.0	105.0	101.0
48"		143.0	105.0	101.0
51"		143.0	105.0	101.0
54"		143.0	105.0	101.0
57"		143.0	105.0	101.0
60"		143.0	105.0	101.0
63"		101.0	105.0	101.0
66"		101.0	105.0	101.0
69"		101.0	105.0	101.0
72"		101.0	105.0	101.0
24"	66"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		143.0	105.0	101.0
45"		143.0	105.0	101.0
48"		143.0	105.0	101.0
51"		143.0	105.0	101.0
54"		143.0	105.0	101.0
57"		143.0	105.0	101.0
60"		101.0	105.0	101.0
63"		101.0	105.0	101.0
66"		101.0	105.0	101.0
69"		101.0	105.0	101.0
72"		101.0	105.0	101.0

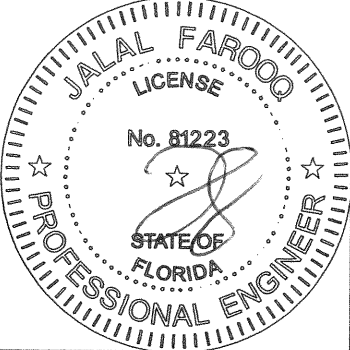
GLASS LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
24"	69"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		143.0	105.0	101.0
45"		143.0	105.0	101.0
48"		143.0	105.0	101.0
51"		143.0	105.0	101.0
54"		143.0	105.0	101.0
57"		101.0	105.0	101.0
60"		101.0	105.0	101.0
63"		101.0	105.0	101.0
66"	72"	101.0	105.0	101.0
69"		101.0	105.0	101.0
72"		101.0	105.0	101.0
24"		143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		143.0	105.0	101.0
45"		143.0	105.0	101.0
48"		143.0	105.0	101.0
51"		143.0	105.0	101.0
54"		101.0	105.0	101.0
57"		101.0	105.0	101.0
60"		101.0	105.0	101.0
63"		101.0	105.0	101.0
66"		101.0	105.0	101.0
69"		101.0	105.0	101.0
72"		101.0	X	X
24"	75"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		143.0	105.0	101.0
45"		143.0	105.0	101.0
48"		143.0	105.0	101.0
51"		143.0	105.0	101.0
54"		101.0	105.0	101.0
57"		101.0	105.0	101.0
60"		101.0	105.0	101.0
63"		101.0	105.0	101.0
66"		101.0	105.0	101.0
69"		101.0	X	X
72"		101.0	X	X

GLASS LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
24"	78"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		143.0	105.0	101.0
45"		143.0	105.0	101.0
48"		143.0	105.0	101.0
51"		101.0	105.0	101.0
54"		101.0	105.0	101.0
57"		101.0	105.0	101.0
60"		101.0	105.0	101.0
63"		101.0	105.0	101.0
66"	81"	101.0	X	X
69"		101.0	X	X
72"		101.0	X	X
24"		143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		143.0	105.0	101.0
45"		143.0	105.0	101.0
48"		101.0	105.0	101.0
51"		101.0	105.0	101.0
54"		101.0	105.0	101.0
57"		101.0	105.0	101.0
60"		101.0	105.0	101.0
63"		101.0	X	X
66"		101.0	X	X
69"		101.0	X	X
72"		101.0	X	X
24"	84"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		143.0	105.0	101.0
45"		143.0	105.0	101.0
48"		101.0	105.0	101.0
51"		101.0	105.0	101.0
54"		101.0	105.0	101.0
57"		101.0	105.0	101.0
60"		101.0	105.0	101.0
63"		101.0	X	X
66"		101.0	X	X
69"		101.0	X	X

GLASS LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
24"	87"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		143.0	105.0	101.0
45"		101.0	105.0	101.0
48"		101.0	105.0	101.0
51"		101.0	105.0	101.0
54"		101.0	105.0	101.0
57"		101.0	105.0	101.0
60"		101.0	X	X
63"		101.0	X	X
66"	90"	101.0	X	X
69"		101.0	X	X
24"		143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		143.0	105.0	101.0
45"		101.0	105.0	101.0
48"		101.0	105.0	101.0
51"		101.0	105.0	101.0
54"		101.0	105.0	101.0
57"		101.0	X	X
60"		101.0	X	X
63"		101.0	X	X
66"		101.0	X	X



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.15**
Expiration Date: **06/10/2024**
By: *Manuel Perez*
Miami-Dade Product Control



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
TEL. (305) 264-8100 FAX. (305) 262-6978

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

RC HOME SHOWCASE, INC.
16115 NW 52nd AVE.
MIAMI, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

no	date	by	description
J	03.20.12		NO CHANGE THIS SHEET
K	10.10.13		MANUF. NAME REV.
L	04.23.15		NO CHANGE THIS SHEET
M	04.09.18		UPDATED TO 2017 FBC
N	11.20.20		UPDATED TO 2020 FBC

date: 06-21-03
scale: -
dr. by: TARIQ
chk. by:

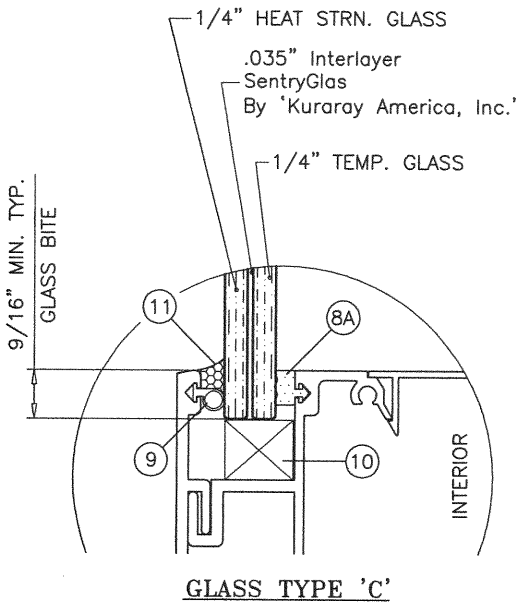
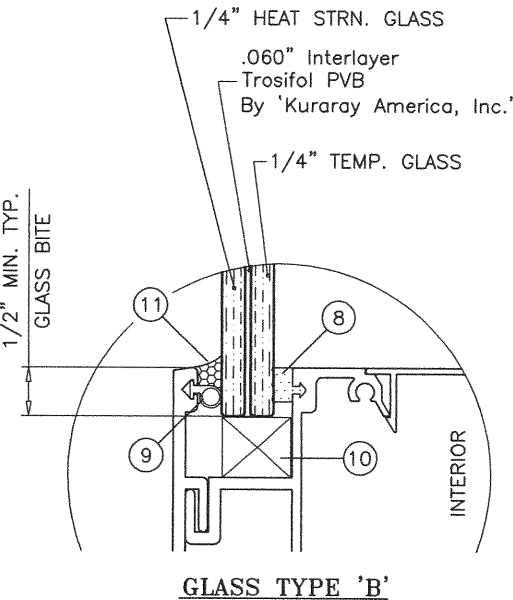
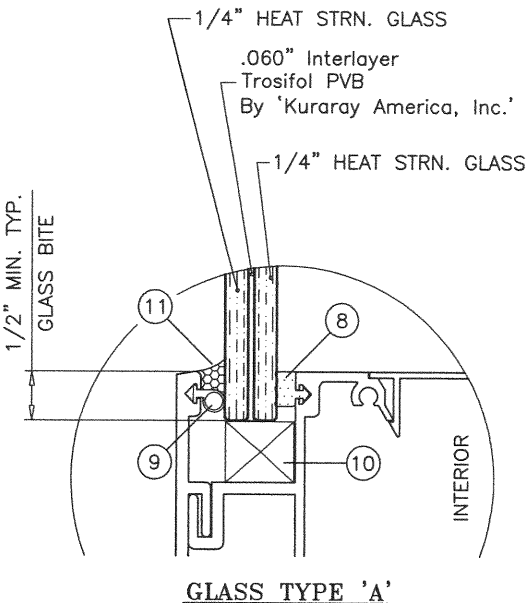
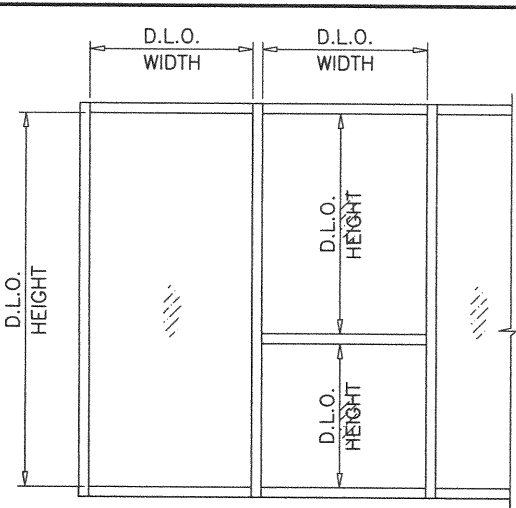
drawing no.
W03-46

sheet 2 of 9

GLASS LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
24"	93"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		101.0	105.0	101.0
45"		101.0	105.0	101.0
48"		101.0	105.0	101.0
51"		101.0	105.0	101.0
54"		101.0	105.0	101.0
57"		101.0	X	X
60"		101.0	X	X
63"		101.0	X	X
24"	96"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		101.0	105.0	101.0
45"		101.0	105.0	101.0
48"		101.0	105.0	101.0
51"		101.0	105.0	101.0
54"		101.0	X	X
57"		101.0	X	X
60"		101.0	X	X
24"	99"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		143.0	105.0	101.0
42"		101.0	105.0	101.0
45"		101.0	105.0	101.0
48"		101.0	105.0	101.0
51"		101.0	105.0	101.0
54"		101.0	X	X
57"		101.0	X	X
60"		101.0	X	X
24"	102"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		101.0	105.0	101.0
42"		101.0	105.0	101.0
45"		101.0	105.0	101.0
48"		101.0	105.0	101.0
51"		101.0	X	X
54"		101.0	X	X
57"		101.0	X	X

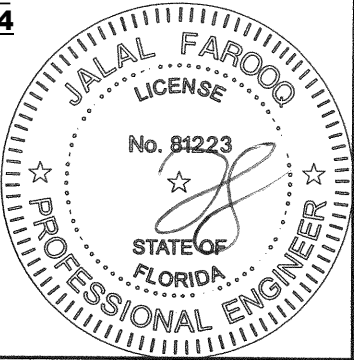
GLASS LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
24"	105"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		143.0	105.0	101.0
39"		101.0	105.0	101.0
42"		101.0	105.0	101.0
45"		101.0	105.0	101.0
48"		101.0	105.0	101.0
51"		101.0	X	X
54"		101.0	X	X
57"		101.0	X	X
24"	108"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		101.0	105.0	101.0
39"		101.0	105.0	101.0
42"		101.0	105.0	101.0
45"		101.0	105.0	101.0
48"		101.0	X	X
51"		101.0	X	X
54"		101.0	X	X
24"	111"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		101.0	105.0	101.0
39"		101.0	105.0	101.0
42"		101.0	105.0	101.0
45"		101.0	105.0	101.0
48"		101.0	X	X
51"		101.0	X	X
54"		101.0	X	X
24"	114"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		101.0	105.0	101.0
39"		101.0	105.0	101.0
42"		101.0	105.0	101.0
45"		101.0	X	X
48"		101.0	X	X
51"		101.0	X	X
24"	117"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		143.0	105.0	101.0
36"		101.0	105.0	101.0
39"		101.0	105.0	101.0
42"		101.0	105.0	101.0
45"		101.0	X	X
48"		101.0	X	X
51"		101.0	X	X

GLASS LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
24"	120"	143.0	105.0	101.0
27"		143.0	105.0	101.0
30"		143.0	105.0	101.0
33"		101.0	105.0	101.0
36"		101.0	105.0	101.0
39"		101.0	105.0	101.0
42"		101.0	X	101.0
45"		101.0	X	X
48"		101.0	X	X



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.15**
Expiration Date: **06/10/2024**
By: *Manuel Perez*
Miami-Dade Product Control

DEC 07 2020



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

FX-345 ALUM. WINDOW WALL SYSTEM (S.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	03.20.12		UPDATED TO 2010 FBC
	K	10.10.13		MANUF. NAME REV.
	L	04.23.15		UPDATED TO 2014 FBC
	M	04.09.18		UPDATED TO 2017 FBC
	N	11.20.20		UPDATED TO 2020 FBC

date: 06-21-03

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

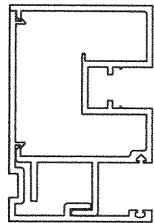
drawing no. **W03-46**

sheet 3 of 9

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

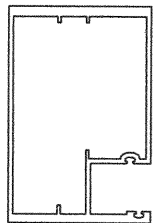
JAMB & MULLION DESIGN LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS						
NOMINAL DIMS.		JAMB TYPE 'J1'	JAMB TYPE 'J2'	MULL TYPE 'M1'	MULL TYPE 'M2'	MULL TYPE 'M3'
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)
30"	60"	130.0	120.0	120.0	130.0	130.0
36"		130.0	120.0	120.0	130.0	130.0
42"		130.0	120.0	120.0	130.0	130.0
48"		130.0	120.0	120.0	130.0	130.0
54"		130.0	120.0	120.0	130.0	130.0
60"		130.0	120.0	120.0	130.0	130.0
66"		130.0	120.0	120.0	130.0	130.0
72"		130.0	120.0	120.0	130.0	130.0
30"	66"	130.0	120.0	120.0	130.0	130.0
36"		130.0	120.0	120.0	130.0	130.0
42"		130.0	120.0	120.0	130.0	130.0
48"		130.0	120.0	120.0	130.0	130.0
54"		130.0	120.0	120.0	130.0	130.0
60"		130.0	120.0	120.0	130.0	130.0
66"		130.0	120.0	120.0	130.0	130.0
72"		120.0	120.0	120.0	120.0	120.0
30"	72"	130.0	120.0	120.0	130.0	130.0
36"		130.0	120.0	120.0	130.0	130.0
42"		130.0	120.0	120.0	130.0	130.0
48"		130.0	120.0	120.0	130.0	130.0
54"		130.0	120.0	120.0	130.0	130.0
60"		130.0	120.0	120.0	130.0	130.0
66"		120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0
30"	78"	130.0	120.0	120.0	130.0	130.0
36"		130.0	120.0	120.0	130.0	130.0
42"		130.0	120.0	120.0	130.0	130.0
48"		130.0	120.0	120.0	130.0	130.0
54"		130.0	120.0	120.0	130.0	130.0
60"		130.0	120.0	120.0	130.0	130.0
66"		120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	-	105.0	105.0
30"	84"	130.0	120.0	120.0	130.0	130.0
36"		130.0	120.0	120.0	130.0	130.0
42"		130.0	120.0	120.0	130.0	130.0
48"		130.0	120.0	120.0	130.0	130.0
54"		130.0	120.0	116.4	130.0	130.0
60"		120.0	120.0	109.0	116.2	116.2
66"		120.0	120.0	103.6	110.4	110.4
72"		120.0	120.0	-	-	-
30"	90"	130.0	101.0	120.0	130.0	130.0
36"		130.0	101.0	120.0	130.0	130.0
42"		130.0	101.0	120.0	130.0	130.0
48"		130.0	101.0	107.7	130.0	130.0
54"		120.0	101.0	98.5	105.0	105.0
60"		120.0	101.0	91.6	105.0	105.0
66"		120.0	-	-	-	81.0
72"		120.0	-	-	-	-
30"	96"	130.0	101.0	120.0	130.0	130.0
36"		130.0	101.0	119.0	130.0	130.0
42"		130.0	101.0	103.8	130.0	130.0
48"		130.0	101.0	92.7	130.0	130.0
54"		120.0	101.0	84.4	105.0	105.0
60"		116.8	101.0	-	103.6	105.0
66"		109.7	-	-	-	-
72"		104.3	-	-	-	-

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"	130.0	101.0	120.0	130.0	130.0
36"		130.0	101.0	103.9	130.0	130.0
42"		130.0	101.0	90.5	130.0	130.0
48"		120.0	101.0	80.6	105.0	105.0
54"		109.8	101.0	73.2	102.0	105.0
60"		101.3	-	-	-	-
66"		94.7	-	-	-	-
30"	108"	130.0	101.0	108.6	130.0	130.0
36"		130.0	101.0	91.5	130.0	130.0
42"		119.9	101.0	79.5	117.0	122.2
48"		106.6	101.0	70.7	102.3	105.0
54"		96.5	101.0	-	-	81.0
60"		88.8	-	-	-	-
30"	114"	130.0	101.0	95.8	130.0	130.0
36"		123.0	101.0	80.8	119.8	119.0
42"		106.7	101.0	70.3	104.2	103.6
48"		94.7	101.0	62.5	91.9	101.0
54"		85.5	-	-	-	-
60"		78.5	-	-	-	-
30"	120"	130.0	101.0	81.9	121.5	120.7
36"		110.2	101.0	69.0	102.3	101.7
42"		95.5	101.0	59.9	88.9	101.0
48"		84.6	101.0	-	78.5	101.0
54"		76.3	-	-	-	-
30"	126"	118.3	100.0	70.6	104.7	104.0
36"		99.4	100.0	59.4	88.1	87.5
42"		86.0	100.0	51.5	76.4	81.0
48"		76.1	-	-	-	81.0
54"		68.5	-	-	-	-



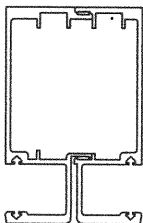
JAMB TYPE 'J1'

Ix IN^4	Sx IN^3
5.7083	1.8124



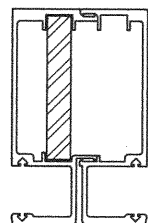
JAMB TYPE 'J2'

Ix IN^4	Sx IN^3
7.157	3.1515



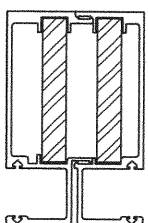
MULL TYPE 'M1'

Ix IN^4	Sx IN^3
6.6879	2.7458



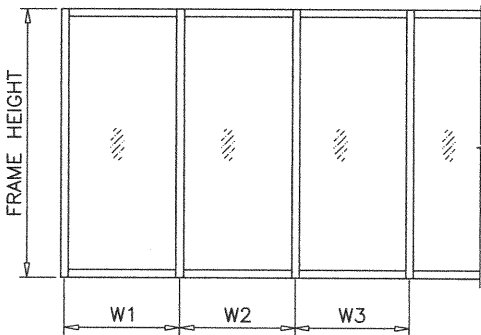
MULL TYPE 'M2'

	Ix IN^4	Sx IN^3
ALUMINUM	6.6879	2.7458
STEEL	1.125	.750
TOTAL	7.8129	3.4958
Ix ALUM + Ix STL X 2.9	9.918	



MULL TYPE 'M3'

	Ix IN^4	Sx IN^3
ALUMINUM	6.6879	2.7458
STEEL	2.250	1.50
TOTAL	8.9379	4.2458
Ix ALUM + Ix STL X 2.9	13.148	

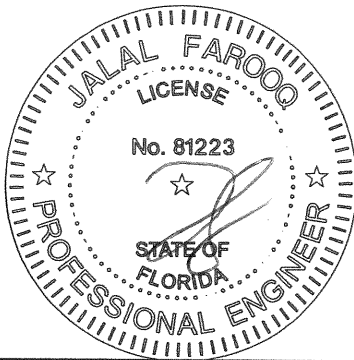


WIDTH (W) = W1
AT FRAME JAMB

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

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.15**
Expiration Date: **06/10/2024**
By: *Manuel Perez*
Miami-Dade Product Control

DEC 07 2020



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

FX-345 ALUM. WINDOW WALL SYSTEM (S.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	03.20.12		NO CHANGE THIS SHEET
K	10.10.13		MANUF. NAME REV.
L	04.23.15		NO CHANGE THIS SHEET
M	04.09.18		UPDATED TO 2017 FBC
N	11.20.20		UPDATED TO 2020 FBC

date: 06-21-03

scale: 1/2"=1'-0"

dr. by: TARIQ

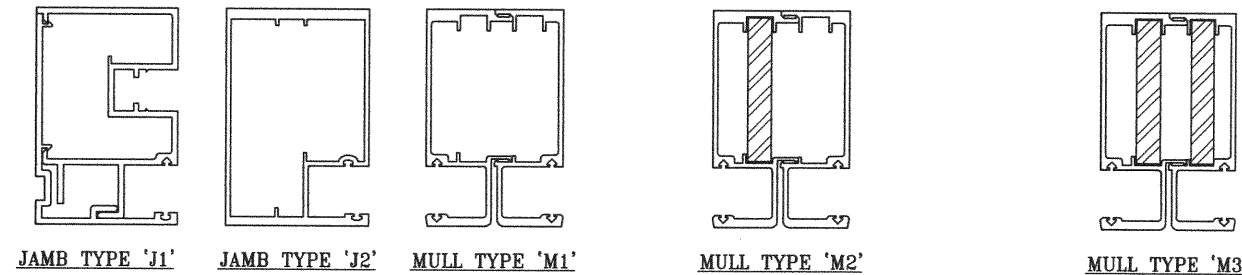
chk. by:

drawing no.
W03-46

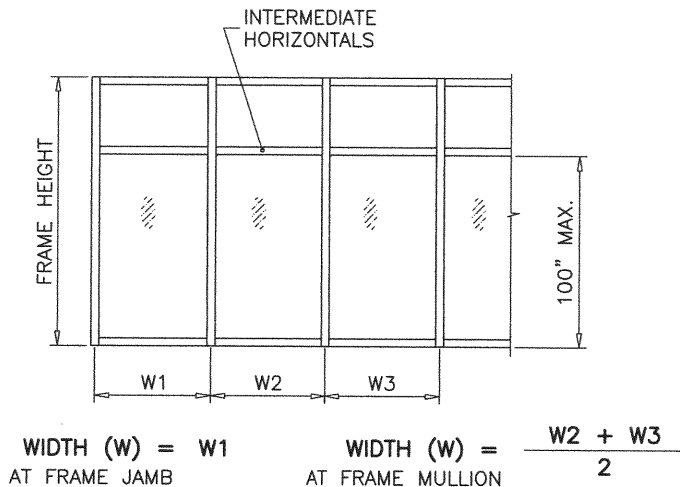
sheet 4 of 9

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"	130.0	120.0	120.0	130.0	130.0
36"		130.0	120.0	120.0	130.0	130.0
42"		130.0	120.0	120.0	130.0	130.0
48"		130.0	120.0	120.0	130.0	130.0
54"		130.0	120.0	120.0	130.0	130.0
60"		130.0	120.0	120.0	130.0	130.0
66"		130.0	120.0	120.0	130.0	130.0
72"		130.0	120.0	120.0	130.0	130.0
30"	66"	130.0	120.0	120.0	130.0	130.0
36"		130.0	120.0	120.0	130.0	130.0
42"		130.0	120.0	120.0	130.0	130.0
48"		130.0	120.0	120.0	130.0	130.0
54"		130.0	120.0	120.0	130.0	130.0
60"		130.0	120.0	120.0	130.0	130.0
66"		130.0	120.0	120.0	130.0	130.0
72"		120.0	120.0	120.0	120.0	120.0
30"	72"	130.0	120.0	120.0	130.0	130.0
36"		130.0	120.0	120.0	130.0	130.0
42"		130.0	120.0	120.0	130.0	130.0
48"		130.0	120.0	120.0	130.0	130.0
54"		130.0	120.0	120.0	130.0	130.0
60"		130.0	120.0	120.0	130.0	130.0
66"		120.0	120.0	114.1	120.0	120.0
72"		120.0	120.0	104.6	112.0	112.0
30"	78"	130.0	120.0	120.0	130.0	130.0
36"		130.0	120.0	120.0	130.0	130.0
42"		130.0	120.0	120.0	130.0	130.0
48"		130.0	120.0	120.0	130.0	130.0
54"		130.0	120.0	117.7	130.0	130.0
60"		130.0	120.0	106.0	130.0	130.0
66"		120.0	120.0	96.3	105.0	105.0
72"		120.0	120.0	-	105.0	105.0
30"	84"	130.0	120.0	120.0	130.0	130.0
36"		130.0	120.0	120.0	130.0	130.0
42"		130.0	120.0	120.0	130.0	130.0
48"		130.0	120.0	113.2	130.0	130.0
54"		130.0	120.0	100.6	130.0	130.0
60"		120.0	120.0	90.5	105.0	105.0
66"		120.0	120.0	82.3	105.0	105.0
72"		111.7	120.0	-	-	-
30"	90"	130.0	101.0	120.0	130.0	130.0
36"		130.0	101.0	120.0	130.0	130.0
42"		130.0	101.0	111.7	130.0	130.0
48"		130.0	101.0	97.7	130.0	130.0
54"		120.0	101.0	86.9	105.0	105.0
60"		116.3	101.0	78.2	105.0	105.0
66"		105.7	-	-	-	81.0
72"		96.9	-	-	-	-
30"	96"	130.0	101.0	120.0	130.0	130.0
36"		130.0	101.0	113.5	130.0	130.0
42"		130.0	101.0	97.3	130.0	130.0
48"		130.0	101.0	85.2	128.7	128.7
54"		113.1	101.0	75.7	105.0	105.0
60"		101.8	101.0	-	101.0	102.9
66"		92.5	-	-	-	-
72"		84.8	-	-	-	-

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"	130.0	101.0	119.7	130.0	130.0
36"		130.0	101.0	99.7	130.0	130.0
42"		128.3	101.0	85.5	126.8	130.0
48"		112.3	101.0	74.8	105.0	105.0
54"		99.8	101.0	66.5	98.6	101.3
60"		89.8	-	-	-	-
66"		81.7	-	-	-	-
72"		-	-	-	-	-
30"	108"	130.0	101.0	105.9	130.0	130.0
36"		130.0	101.0	88.2	130.0	130.0
42"		114.0	101.0	75.6	112.1	115.6
48"		99.8	101.0	66.2	98.1	101.1
54"		88.7	-	-	-	81.0
60"		79.8	-	-	-	-
66"		-	-	-	-	-
72"		-	-	-	-	-
30"	114"	130.0	101.0	93.4	130.0	130.0
36"		119.4	101.0	77.8	115.4	114.6
42"		102.3	101.0	66.7	98.9	101.0
48"		89.5	101.0	58.4	86.5	101.0
54"		79.6	-	-	-	-
60"		71.6	-	-	-	-
66"		-	-	-	-	-
72"		-	-	-	-	-
30"	120"	129.3	101.0	80.1	118.7	117.9
36"		107.8	101.0	66.7	98.9	101.0
42"		92.4	101.0	57.2	84.8	101.0
48"		80.8	101.0	-	74.2	97.9
54"		71.8	-	-	-	-
60"		-	-	-	-	-
66"		-	-	-	-	-
72"		-	-	-	-	-
30"	126"	117.3	100.0	69.2	102.6	101.9
36"		97.7	100.0	57.6	85.5	84.9
42"		83.8	100.0	49.4	73.3	81.0
48"		73.3	-	-	-	81.0
54"		65.2	-	-	-	-
60"		-	-	-	-	-
66"		-	-	-	-	-
72"		-	-	-	-	-

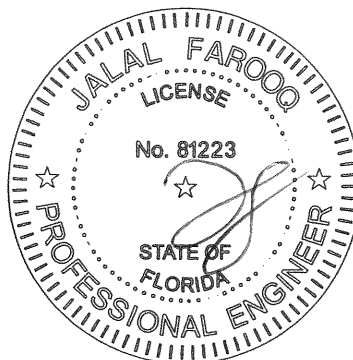


JAMB TYPE 'J1'		JAMB TYPE 'J2'		MULL TYPE 'M1'		MULL TYPE 'M2'		MULL TYPE 'M3'	
Ix IN ⁴	Sx IN ³	Ix IN ⁴	Sx IN ³	Ix IN ⁴	Sx IN ³	Ix IN ⁴	Sx IN ³	Ix IN ⁴	Sx IN ³
5.7083	1.8124	7.157	3.1515	6.6879	2.7458	6.6879	2.7458	6.6879	2.7458
ALUMINUM		ALUMINUM		ALUMINUM		ALUMINUM		ALUMINUM	
STEEL		STEEL		STEEL		STEEL		STEEL	
TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
Ix ALUM + Ix STL X 2.9		Ix ALUM + Ix STL X 2.9		Ix ALUM + Ix STL X 2.9		Ix ALUM + Ix STL X 2.9		Ix ALUM + Ix STL X 2.9	
9.918		9.918		9.918		9.918		13.148	



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.15**
Expiration Date: **06/10/2024**
By: *Manuel Perez*
Miami-Dade Product Control

DEC 07 2020



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

FX-345 ALUM. WINDOW WALL SYSTEM (S.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	03.20.12		NO CHANGE THIS SHEET
K	10.10.13		MANUF. NAME REV.
L	04.23.15		NO CHANGE THIS SHEET
M	04.09.18		UPDATED TO 2017 FBC
N	11.20.20		UPDATED TO 2020 FBC

date: 06-21-03

scale: 1/2"=1'-0"

dr. by: TARIQ

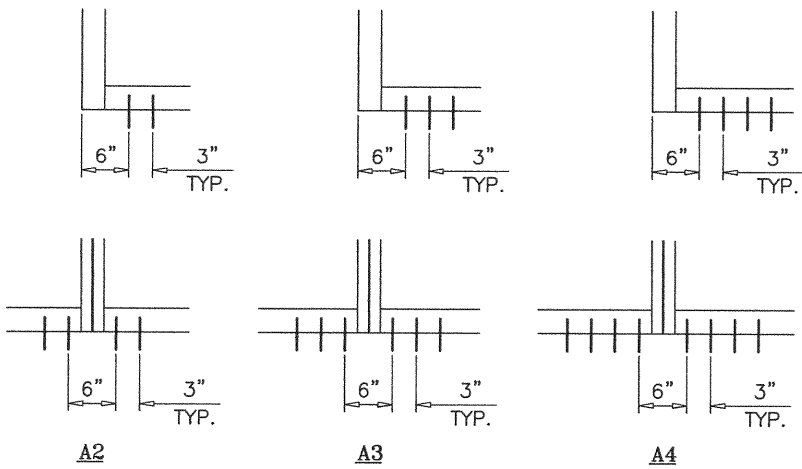
chk. by:

drawing no.
W03-46

sheet 5 of 9

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)										
NOMINAL DIMS.		ANCHORS TYPE 'A'								
		1/4" MAX. SHIM			3/8" MAX. SHIM			1/2" MAX. SHIM		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	A2	A3	A4	A2	A3	A4
30"	60"	130.0	130.0	130.0	130.0	130.0	130.0	127.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	105.8	130.0	130.0
42"		130.0	130.0	130.0	115.9	130.0	130.0	90.7	130.0	130.0
48"		130.0	130.0	130.0	101.4	130.0	130.0	79.4	119.0	130.0
54"		130.0	130.0	130.0	90.1	130.0	130.0	70.5	105.8	130.0
60"		117.4	130.0	130.0	81.1	121.7	130.0	63.5	95.2	127.0
66"		106.8	130.0	130.0	73.7	110.6	130.0	57.7	86.6	115.4
72"		97.9	130.0	130.0	67.6	101.4	130.0	52.9	79.4	105.8
30"	66"	130.0	130.0	130.0	130.0	130.0	130.0	115.4	130.0	130.0
36"		130.0	130.0	130.0	122.9	130.0	130.0	96.2	130.0	130.0
42"		130.0	130.0	130.0	105.4	130.0	130.0	82.5	123.7	130.0
48"		130.0	130.0	130.0	92.2	130.0	130.0	72.1	108.2	130.0
54"		118.6	130.0	130.0	81.9	122.9	130.0	64.1	96.2	128.3
60"		106.8	130.0	130.0	73.7	110.6	130.0	57.7	86.6	115.4
66"		97.1	130.0	130.0	67.0	100.6	130.0	52.5	78.7	104.9
72"		89.0	130.0	130.0	61.5	92.2	122.9	48.1	72.1	96.2
30"	72"	130.0	130.0	130.0	130.0	130.0	130.0	105.8	130.0	130.0
36"		130.0	130.0	130.0	112.7	130.0	130.0	88.2	130.0	130.0
42"		130.0	130.0	130.0	96.6	130.0	130.0	75.6	113.4	130.0
48"		122.3	130.0	130.0	84.5	126.8	130.0	66.1	99.2	130.0
54"		108.7	130.0	130.0	75.1	112.7	130.0	58.8	88.2	117.6
60"		97.9	130.0	130.0	67.6	101.4	130.0	52.9	79.4	105.8
66"		89.0	130.0	130.0	61.5	92.2	122.9	48.1	72.1	96.2
72"		81.6	122.3	130.0	56.3	84.5	112.7	44.1	66.1	88.2
30"	78"	130.0	130.0	130.0	124.8	130.0	130.0	97.7	130.0	130.0
36"		130.0	130.0	130.0	104.0	130.0	130.0	81.4	122.1	130.0
42"		129.1	130.0	130.0	89.1	130.0	130.0	69.8	104.7	130.0
48"		112.9	130.0	130.0	78.0	117.0	130.0	61.0	91.6	122.1
54"		100.4	130.0	130.0	69.3	104.0	130.0	54.3	81.4	108.5
60"		90.3	130.0	130.0	62.4	93.6	124.8	48.8	73.3	97.7
66"		82.1	123.2	130.0	56.7	85.1	113.5	44.4	66.6	88.8
72"		75.3	112.9	130.0	52.0	78.0	104.0	40.7	61.0	81.4
30"	84"	130.0	130.0	130.0	115.9	130.0	130.0	90.7	130.0	130.0
36"		130.0	130.0	130.0	96.6	130.0	130.0	75.6	113.4	130.0
42"		119.8	130.0	130.0	82.8	124.2	130.0	64.8	97.2	129.6
48"		104.9	130.0	130.0	72.4	108.6	130.0	56.7	85.0	113.4
54"		93.2	130.0	130.0	64.4	96.6	128.8	50.4	75.6	100.8
60"		83.9	125.8	130.0	57.9	86.9	115.9	45.3	68.0	90.7
66"		76.3	114.4	130.0	52.7	79.0	105.4	41.2	61.8	82.5
72"		69.9	104.9	130.0	48.3	72.4	96.6	37.8	56.7	75.6
30"	90"	130.0	130.0	130.0	108.2	130.0	130.0	84.7	127.0	130.0
36"		130.0	130.0	130.0	90.1	130.0	130.0	70.5	105.8	130.0
42"		111.8	130.0	130.0	77.3	115.9	130.0	60.5	90.7	120.9
48"		97.9	130.0	130.0	67.6	101.4	130.0	52.9	79.4	105.8
54"		87.0	130.0	130.0	60.1	90.1	120.2	47.0	70.5	94.1
60"		78.3	117.4	130.0	54.1	81.1	108.2	42.3	63.5	84.7
66"		71.2	106.8	130.0	49.2	73.7	98.3	38.5	57.7	77.0
72"		65.2	97.9	130.0	45.1	67.6	90.1	35.3	52.9	70.5
30"	96"	130.0	130.0	130.0	101.4	130.0	130.0	79.4	119.0	130.0
36"		122.3	130.0	130.0	84.5	126.8	130.0	66.1	99.2	130.0
42"		104.9	130.0	130.0	72.4	108.6	130.0	56.7	85.0	113.4
48"		91.8	130.0	130.0	63.4	95.1	126.8	49.6	74.4	99.2
54"		81.6	122.3	130.0	56.3	84.5	112.7	44.1	66.1	88.2
60"		73.4	110.1	130.0	50.7	76.1	101.4	39.7	59.5	79.4
66"		66.7	100.1	130.0	46.1	69.1	92.2	36.1	54.1	72.1
72"		61.2	91.8	122.3	42.3	63.4	84.5	33.1	49.6	66.1

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)										
NOMINAL DIMS.		ANCHORS TYPE 'A'								
		1/4" MAX. SHIM			3/8" MAX. SHIM			1/2" MAX. SHIM		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	A2	A3	A4	A2	A3	A4
30"	102"	130.0	130.0	130.0	95.4	130.0	130.0	74.7	112.0	130.0
36"		115.1	130.0	130.0	79.5	119.3	130.0	62.2	93.4	124.5
42"		98.7	130.0	130.0	68.2	102.3	130.0	53.4	80.0	106.7
48"		86.4	129.5	130.0	59.6	89.5	119.3	46.7	70.0	93.4
54"		76.8	115.1	130.0	53.0	79.5	106.0	41.5	62.2	83.0
60"		69.1	103.6	130.0	47.7	71.6	95.4	37.3	56.0	74.7
66"		62.8	94.2	125.6	43.4	65.1	86.8	34.0	50.9	67.9
30"	108"	130.0	130.0	130.0	90.1	130.0	130.0	70.5	105.8	130.0
36"		108.7	130.0	130.0	75.1	112.7	130.0	58.8	88.2	117.6
42"		93.2	130.0	130.0	64.4	96.6	128.8	50.4	75.6	100.8
48"		81.6	122.3	130.0	56.3	84.5	112.7	44.1	66.1	88.2
54"		72.5	108.7	130.0	50.1	75.1	100.1	39.2	58.8	78.4
60"		65.2	97.9	130.0	45.1	67.6	90.1	35.3	52.9	70.5
66"		62.8	94.2	125.6	43.4	65.1	86.8	34.0	50.9	67.9
30"	114"	123.6	130.0	130.0	85.4	128.1	130.0	66.8	100.2	130.0
36"		103.0	130.0	130.0	71.2	106.7	130.0	55.7	83.5	111.4
42"		88.3	130.0	130.0	61.0	91.5	122.0	47.7	71.6	95.5
48"		77.3	115.9	130.0	53.4	80.1	106.7	41.8	62.7	83.5
54"		68.7	103.0	130.0	47.4	71.2	94.9	37.1	55.7	74.3
60"		61.8	92.7	123.6	42.7	64.0	85.4	33.4	50.1	66.8
66"		62.8	94.2	125.6	43.4	65.1	86.8	34.0	50.9	67.9
30"	120"	117.4	130.0	130.0	81.1	121.7	130.0	63.5	95.2	127.0
36"		97.9	130.0	130.0	67.6	101.4	130.0	52.9	79.4	105.8
42"		83.9	125.8	130.0	57.9	86.9	115.9	45.3	68.0	90.7
48"		73.4	110.1	130.0	50.7	76.1	101.4	39.7	59.5	79.4
54"		65.2	97.9	130.0	45.1	67.6	90.1	35.3	52.9	70.5
60"		61.8	92.7	123.6	42.7	64.0	85.4	33.4	50.1	66.8
66"		62.8	94.2	125.6	43.4	65.1	86.8	34.0	50.9	67.9
30"	126"	111.8	130.0	130.0	77.3	115.9	130.0	60.5	90.7	120.9
36"		93.2	130.0	130.0	64.4	96.6	128.8	50.4	75.6	100.8
42"		79.9	119.8	130.0	55.2	82.8	110.4	43.2	64.8	86.4
48"		69.9	104.9	130.0	48.3	72.4	96.6	37.8	56.7	75.6
54"		62.1	93.2	124.3	42.9	64.4	85.8	33.6	50.4	67.2
60"		61.8	92.7	123.6	42.7	64.0	85.4	33.4	50.1	66.8
66"		62.8	94.2	125.6	43.4	65.1	86.8	34.0	50.9	67.9

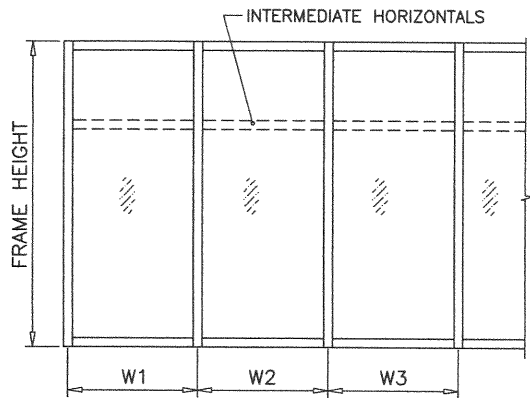


ANCHORS TYPES: SEE SHEET 7 FOR DESCRIPTION

A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION

A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION

A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION



WIDTH (W) = W1

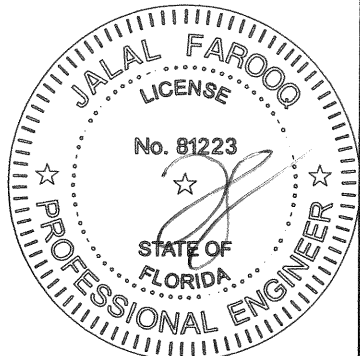
AT FRAME JAMB

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

AT FRAME MULLION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.15**
Expiration Date: **06/10/2024**
By: *Manuel Perez*
Miami-Dade Product Control

DEC 07 2020



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

RC HOME SHOWCASE, INC.

16115 NW 52nd AVE.

MIAMI, FL. 33014

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

revisions:

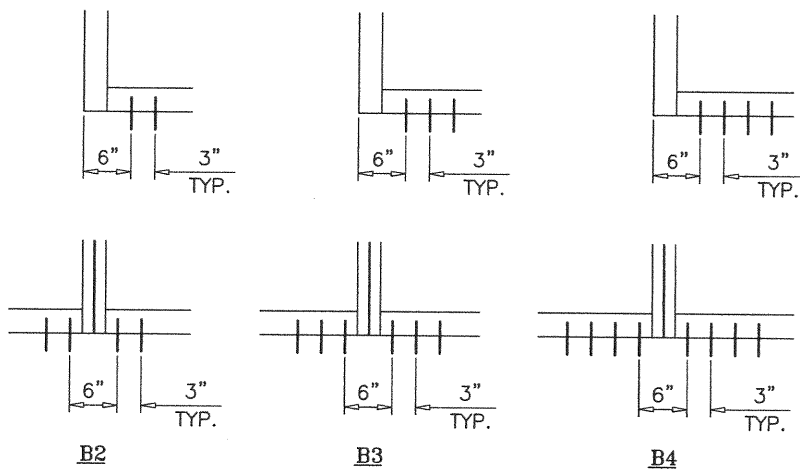
no	date	by	description
J	03.20.12		NO CHANGE THIS SHEET
K	10.10.13		MANUF. NAME REV.
L	04.23.15		UPDATED TO 2014 FBC
M	04.08.18		UPDATED TO 2017 FBC
N	11.20.20		UPDATED TO 2020 FBC

date: 06-21-03

scale: 1/2"=1'-0"

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)										
NOMINAL DIMS.		ANCHORS TYPE 'B'								
		1/4" MAX. SHIM			3/8" MAX. SHIM			1/2" MAX. SHIM		
WIDTH (W)	FRAME HEIGHT	B2	B3	B4	B2	B3	B4	B2	B3	B4
30"	60"	130.0	130.0	130.0	119.2	130.0	130.0	93.9	130.0	130.0
36"		130.0	130.0	130.0	99.4	130.0	130.0	78.2	117.4	130.0
42"		130.0	130.0	130.0	85.2	127.7	130.0	67.1	100.6	130.0
48"		130.0	130.0	130.0	74.5	111.8	130.0	58.7	88.0	117.4
54"		130.0	130.0	130.0	66.2	99.4	130.0	52.2	78.2	104.3
60"		125.1	130.0	130.0	59.6	89.4	119.2	46.9	70.4	93.9
66"		113.7	130.0	130.0	54.2	81.3	108.4	42.7	64.0	85.4
72"		104.3	130.0	130.0	49.7	74.5	99.4	39.1	58.7	78.2
30"	66"	130.0	130.0	130.0	108.4	130.0	130.0	85.4	128.0	130.0
36"		130.0	130.0	130.0	90.3	130.0	130.0	71.1	106.7	130.0
42"		130.0	130.0	130.0	77.4	116.1	130.0	61.0	91.4	121.9
48"		130.0	130.0	130.0	67.7	101.6	130.0	53.3	80.0	106.7
54"		126.4	130.0	130.0	60.2	90.3	120.4	47.4	71.1	94.8
60"		113.7	130.0	130.0	54.2	81.3	108.4	42.7	64.0	85.4
66"		103.4	130.0	130.0	49.3	73.9	98.5	38.8	58.2	77.6
72"		94.8	130.0	130.0	45.2	67.7	90.3	35.6	53.3	71.1
30"	72"	130.0	130.0	130.0	99.4	130.0	130.0	78.2	117.4	130.0
36"		130.0	130.0	130.0	82.8	124.2	130.0	65.2	97.8	130.0
42"		130.0	130.0	130.0	71.0	106.5	130.0	55.9	83.8	111.8
48"		130.0	130.0	130.0	62.1	93.2	124.2	48.9	73.4	97.8
54"		115.9	130.0	130.0	55.2	82.8	110.4	43.5	65.2	86.9
60"		104.3	130.0	130.0	49.7	74.5	99.4	39.1	58.7	78.2
66"		94.8	130.0	130.0	45.2	67.7	90.3	35.6	53.3	71.1
72"		86.9	130.0	130.0	41.4	62.1	82.8	32.6	48.9	65.2
30"	78"	130.0	130.0	130.0	91.7	130.0	130.0	72.2	108.3	130.0
36"		130.0	130.0	130.0	76.4	114.6	130.0	60.2	90.3	120.4
42"		130.0	130.0	130.0	65.5	98.3	130.0	51.6	77.4	103.2
48"		120.3	130.0	130.0	57.3	86.0	114.6	45.1	67.7	90.3
54"		106.9	130.0	130.0	51.0	76.4	101.9	40.1	60.2	80.2
60"		96.2	130.0	130.0	45.9	68.8	91.7	36.1	54.2	72.2
66"		87.5	130.0	130.0	41.7	62.5	83.4	32.8	49.2	65.7
72"		80.2	120.3	130.0	38.2	57.3	76.4	30.1	45.1	60.2
30"	84"	130.0	130.0	130.0	85.2	127.7	130.0	67.1	100.6	130.0
36"		130.0	130.0	130.0	71.0	106.5	130.0	55.9	83.8	111.8
42"		127.7	130.0	130.0	60.8	91.2	121.7	47.9	71.9	95.8
48"		111.7	130.0	130.0	53.2	79.8	106.5	41.9	62.9	83.8
54"		99.3	130.0	130.0	47.3	71.0	94.6	37.3	55.9	74.5
60"		89.4	130.0	130.0	42.6	63.9	85.2	33.5	50.3	67.1
66"		81.2	121.9	130.0	38.7	58.1	77.4	30.5	45.7	61.0
72"		74.5	111.7	130.0	35.5	53.2	71.0	27.9	41.9	55.9
30"	90"	130.0	130.0	130.0	79.5	119.2	130.0	62.6	93.9	125.2
36"		130.0	130.0	130.0	66.2	99.4	130.0	52.2	78.2	104.3
42"		119.2	130.0	130.0	56.8	85.2	113.6	44.7	67.1	89.4
48"		104.3	130.0	130.0	49.7	74.5	99.4	39.1	58.7	78.2
54"		92.7	130.0	130.0	44.2	66.2	88.3	34.8	52.2	69.5
60"		83.4	125.1	130.0	39.7	59.6	79.5	31.3	46.9	62.6
66"		75.8	113.7	130.0	36.1	54.2	72.3	28.5	42.7	56.9
72"		69.5	104.3	130.0	33.1	49.7	66.2	26.1	39.1	52.2
30"	96"	130.0	130.0	130.0	74.5	111.8	130.0	58.7	88.0	117.4
36"		130.0	130.0	130.0	62.1	93.2	124.2	48.9	73.4	97.8
42"		111.7	130.0	130.0	53.2	79.8	106.5	41.9	62.9	83.8
48"		97.8	130.0	130.0	46.6	69.9	93.2	36.7	55.0	73.4
54"		86.9	130.0	130.0	41.4	62.1	82.8	32.6	48.9	65.2
60"		78.2	117.3	130.0	37.3	55.9	74.5	29.3	44.0	58.7
66"		71.1	106.6	130.0	33.9	50.8	67.7	26.7	40.0	53.3
72"		65.2	97.8	130.0	31.1	46.6	62.1	24.5	36.7	48.9

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)										
NOMINAL DIMS.		ANCHORS TYPE 'B'								
		1/4" MAX. SHIM			3/8" MAX. SHIM			1/2" MAX. SHIM		
WIDTH (W)	FRAME HEIGHT	B2	B3	B4	B2	B3	B4	B2	B3	B4
30"	102"	130.0	130.0	130.0	70.1	105.2	130.0	55.2	82.8	110.5
36"		122.7	130.0	130.0	58.4	87.7	116.9	46.0	69.0	92.0
42"		105.1	130.0	130.0	50.1	75.1	100.2	39.4	59.2	78.9
48"		92.0	130.0	130.0	43.8	65.8	87.7	34.5	51.8	69.0
54"		81.8	122.7	130.0	39.0	58.4	77.9	30.7	46.0	61.4
60"		73.6	110.4	130.0	35.1	52.6	70.1	27.6	41.4	55.2
66"		66.9	100.4	130.0	31.9	47.8	63.8	25.1	37.7	50.2
30"	108"	130.0	130.0	130.0	66.2	99.4	130.0	52.2	78.2	104.3
36"		115.9	130.0	130.0	55.2	82.8	110.4	43.5	65.2	86.9
42"		99.3	130.0	130.0	47.3	71.0	94.6	37.3	55.9	74.5
48"		86.9	130.0	130.0	41.4	62.1	82.8	32.6	48.9	65.2
54"		77.2	115.9	130.0	36.8	55.2	73.6	29.0	43.5	58.0
60"		69.5	104.3	130.0	33.1	49.7	66.2	26.1	39.1	52.2
30"	114"	130.0	130.0	130.0	62.8	94.1	125.5	49.4	74.1	98.8
36"		109.8	130.0	130.0	52.3	78.4	104.6	41.2	61.8	82.4
42"		94.1	130.0	130.0	44.8	67.2	89.6	35.3	52.9	70.6
48"		82.3	123.5	130.0	39.2	58.8	78.4	30.9	46.3	61.8
54"		73.2	109.8	130.0	34.9	52.3	69.7	27.5	41.2	54.9
60"		65.9	98.8	130.0	31.4	47.1	62.8	24.7	37.1	49.4
30"	120"	125.1	130.0	130.0	59.6	89.4	119.2	46.9	70.4	93.9
36"		104.3	130.0	130.0	49.7	74.5	99.4	39.1	58.7	78.2
42"		89.4	130.0	130.0	42.6	63.9	85.2	33.5	50.3	67.1
48"		78.2	117.3	130.0	37.3	55.9	74.5	29.3	44.0	58.7
54"		69.5	104.3	130.0	33.1	49.7	66.2	26.1	39.1	52.2
30"	126"	119.2	130.0	130.0	56.8	85.2	113.6	44.7	67.1	89.4
36"		99.3	130.0	130.0	47.3	71.0	94.6	37.3	55.9	74.5
42"		85.1	127.7	130.0	40.6	60.8	81.1	31.9	47.9	63.9
48"		74.5	111.7	130.0	35.5	53.2	71.0	27.9	41.9	55.9
54"		66.2	99.3	130.0	31.5	47.3	63.1	24.8	37.3	49.7

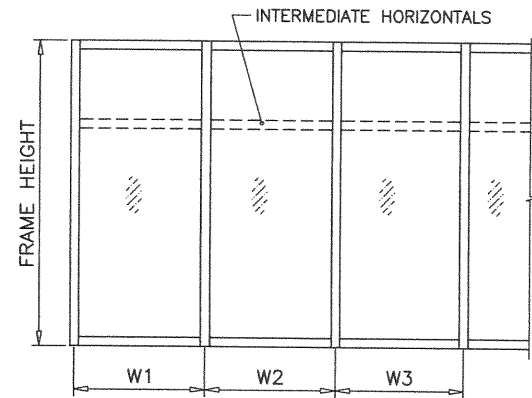


ANCHORS TYPES: SEE SHEET 7 FOR DESCRIPTION

B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION

B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION

B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION

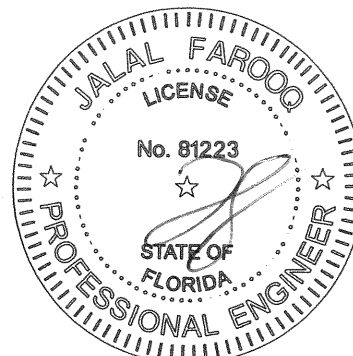


WIDTH (W) = W1
AT FRAME JAMB

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

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.15**
Expiration Date: **06/10/2024**
By: *Manuel Perez*
Miami-Dade Product Control

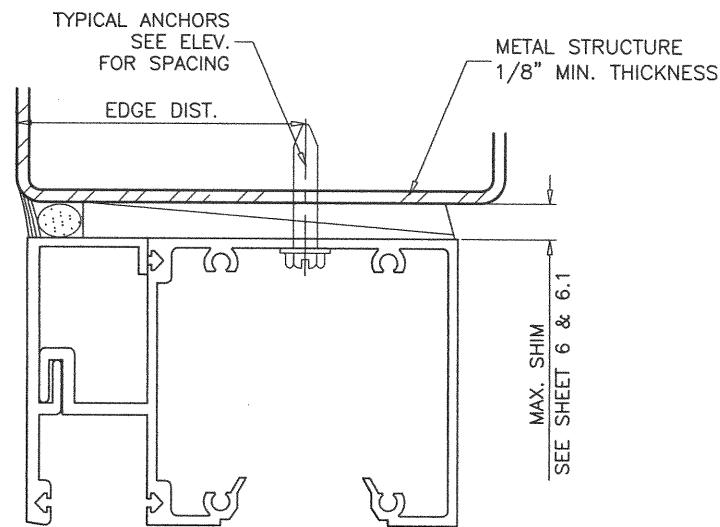
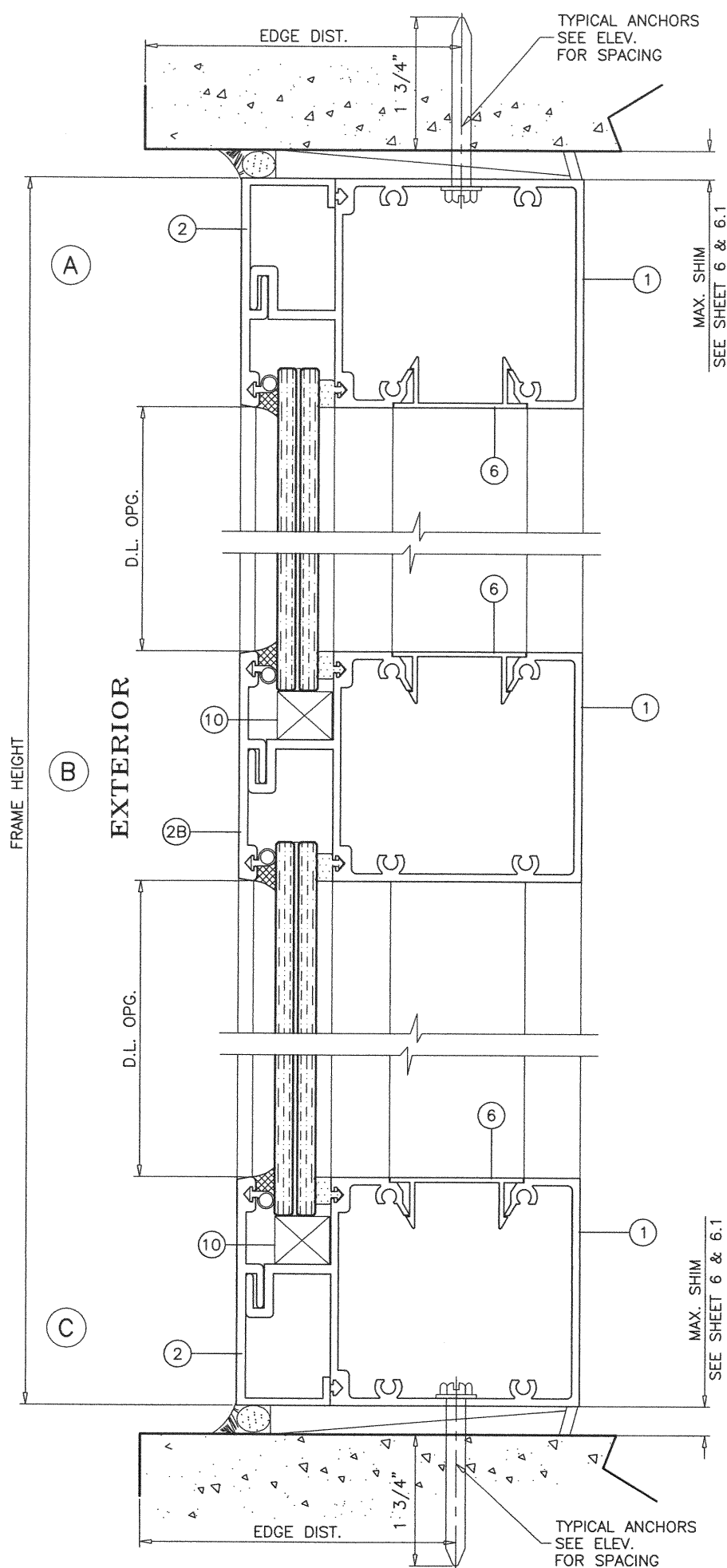
DEC 07 2020



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 262-6978 FAX. (305) 262-8100
STORE/WO3-46RC

FX-345 ALUM. WINDOW WALL SYSTEM (S.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		M 04.09.18 N 11.20.20		UPDATED TO 2017 FBC UPDATED TO 2020 FBC	
date:	06-21-03	scale:	1/2"=1'-0"	dr. by:	TARIQ	chk. by:	
drawing no.				W03-46			
sheet 6.1 of 9							



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.

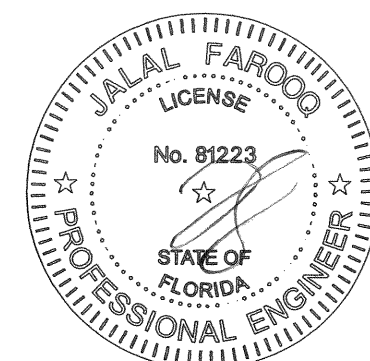
CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

SEALANTS:

ALL FRAME CORNERS AND MULLION SEAMS SEALED WITH SILICONE.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **20-1216.15**
Expiration Date: **06/10/2024**
By: *Manuel Perez*
Miami-Dade Product Control

DEC 07 2020



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

RC HOME SHOWCASE, INC.
16115 NW 52nd AVE.
MIAMI, FL. 33014

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

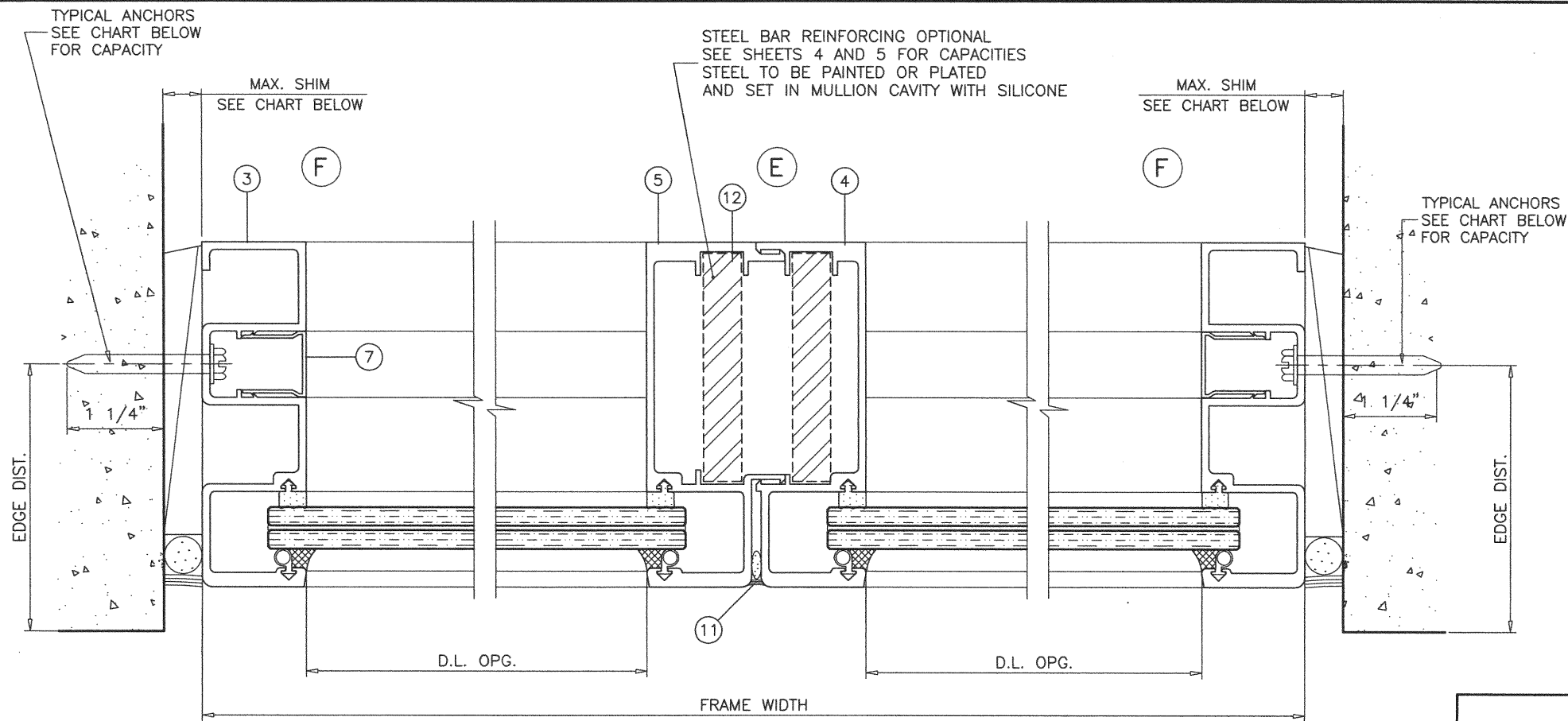
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

STORE/W03-46RC

revisions:		no	date	by	description
		J	03.20.12		NO CHANGE THIS SHEET
		K	10.10.13		MANUF. NAME REV.
		L	04.23.15		UPDATED TO 2014 FBC
		M	04.09.18		UPDATED TO 2017 FBC
		N	11.20.20		UPDATED TO 2020 FBC

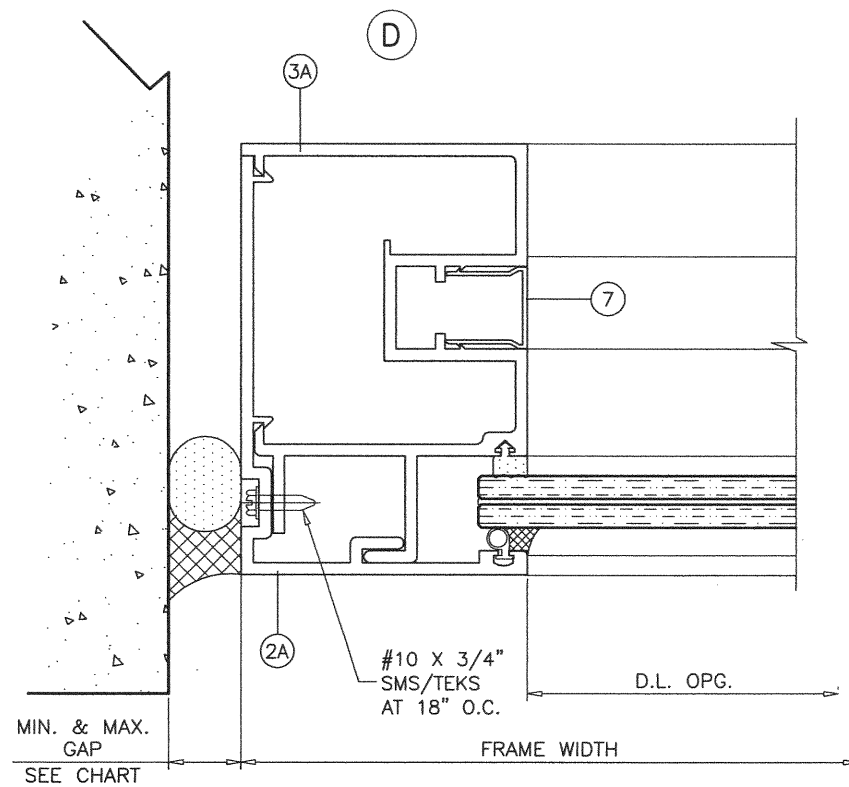
date:	06-21-03
scale:	1/2" = 1"
dr. by:	TARIQ
chk. by:	

drawing no.	W03-46
sheet	7 of 9

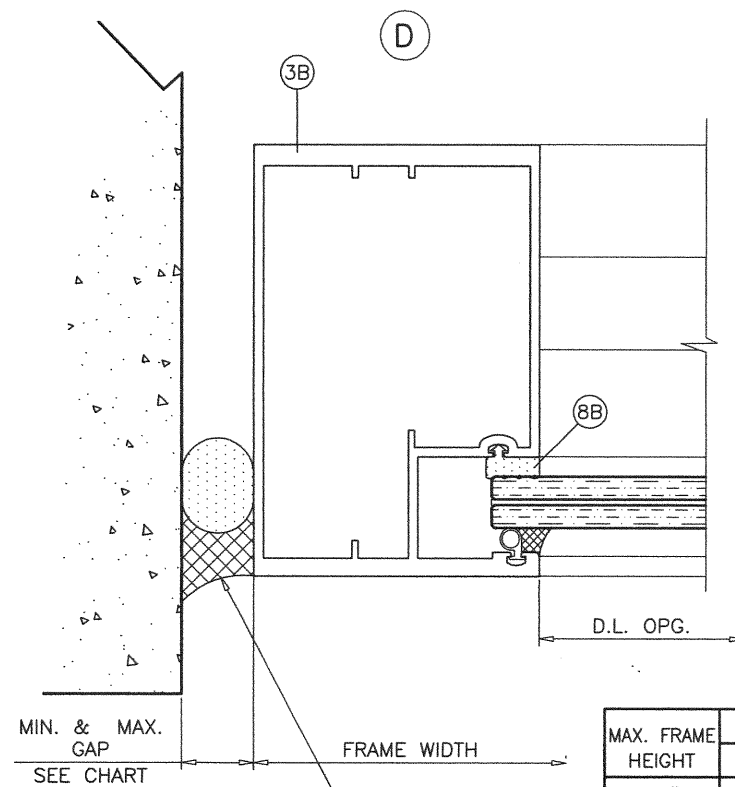


JAMB WITH FRAME ANCHORS

EXTERIOR



OPTIONAL JAMBS WITHOUT FRAME ANCHORS

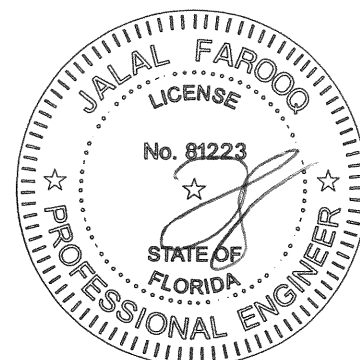
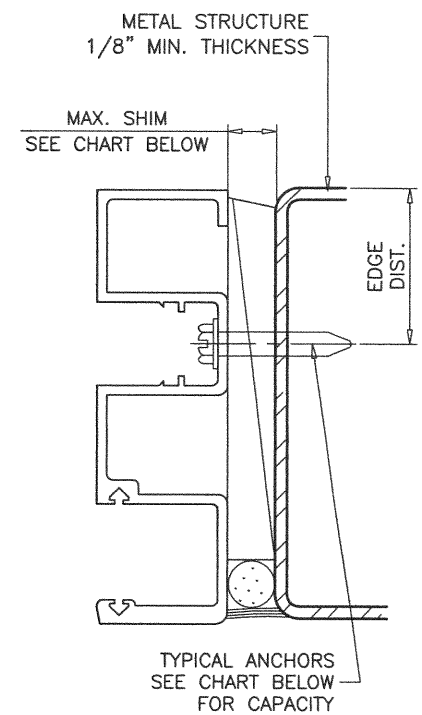


MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
84"	1/4"	3/4"
120"	3/8"	3/4"
132"	1/2"	3/4"

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	1/4" SHIM	3/8" SHIM	1/2" SHIM
30"	130.0	130.0	130.0	130.0	130.0	117.4	130.0	130.0	130.0
36"	130.0	130.0	130.0	130.0	124.2	97.8	130.0	130.0	130.0
42"	130.0	113.4	130.0	130.0	106.5	83.8	130.0	130.0	130.0
48"	125.5	99.2	130.0	130.0	93.2	73.4	130.0	130.0	130.0
54"	111.6	88.2	130.0	130.0	82.8	65.2	130.0	130.0	130.0
60"	100.4	79.4	130.0	130.0	74.5	58.7	130.0	130.0	117.4
66"	91.3	72.1	130.0	130.0	67.7	53.3	130.0	130.0	106.7
72"	83.7	66.1	130.0	130.0	62.1	48.9	130.0	124.2	97.8

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1216.15
Expiration Date: 06/10/2024
By: *Manuel Torres*
Miami-Dade Product Control

DEC 07 2020



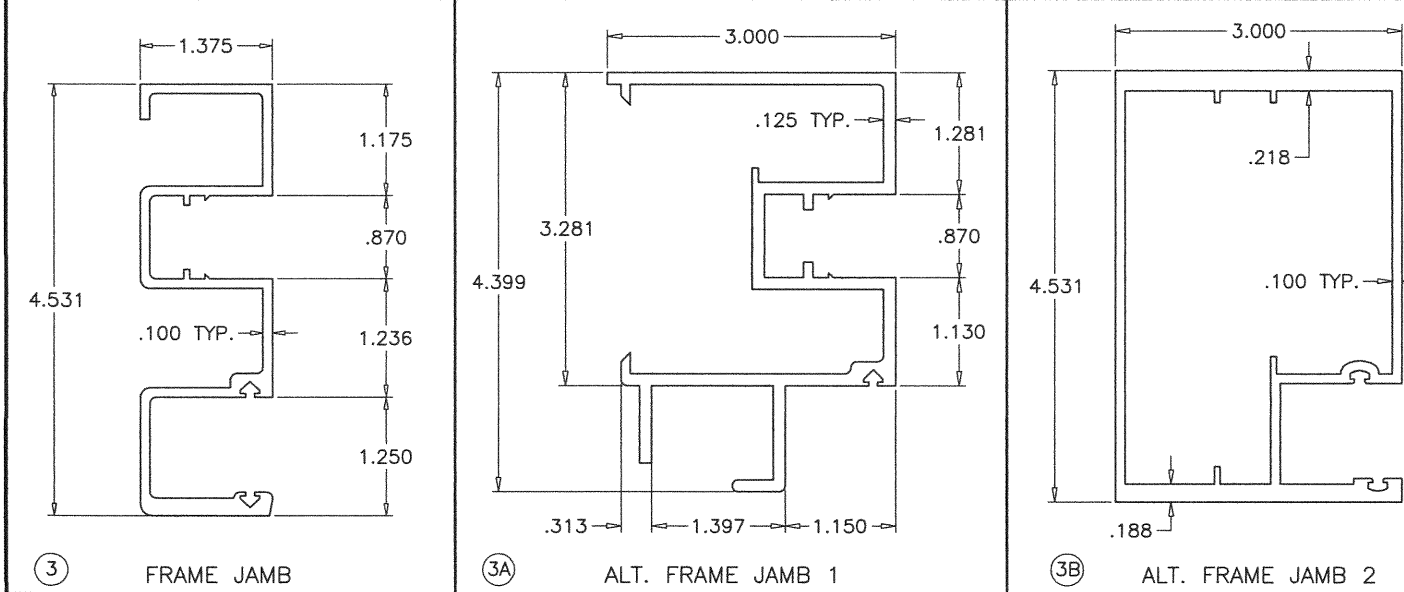
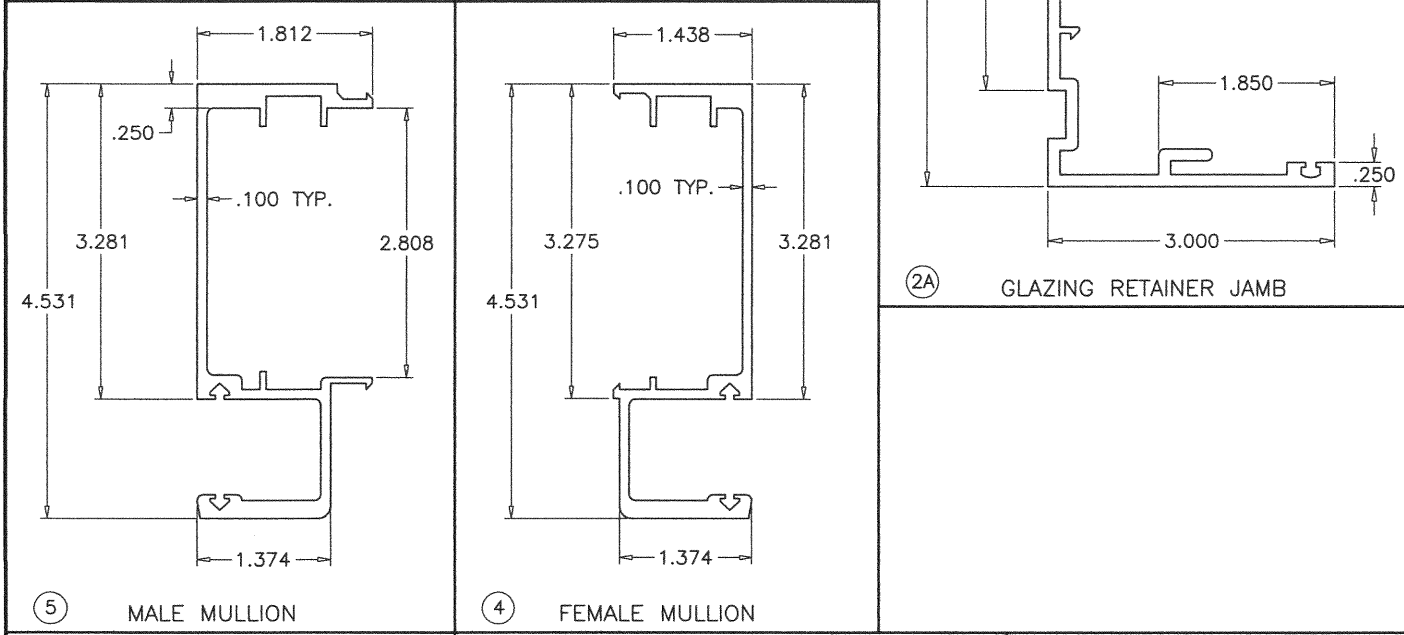
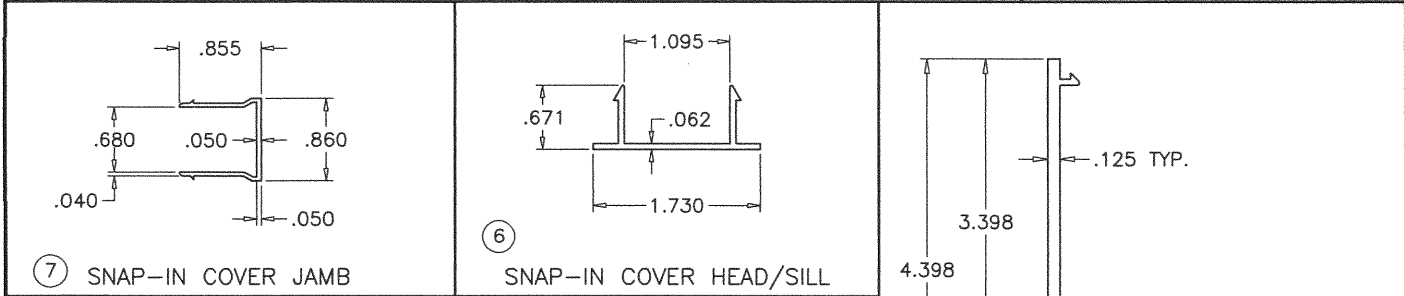
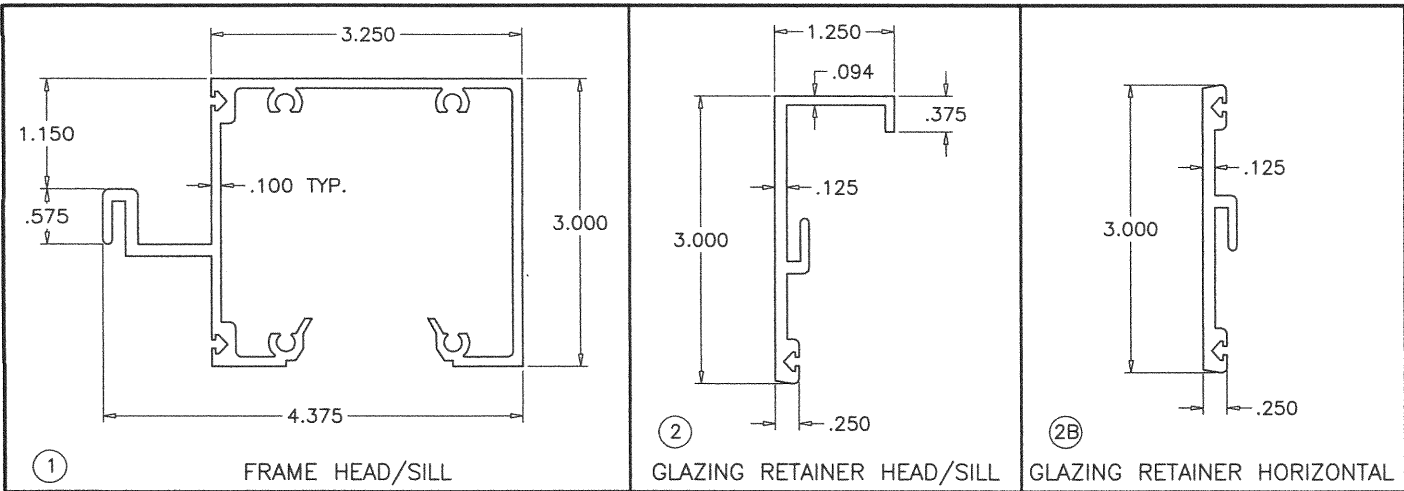
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W03-46RC

FX-345 ALUM. WINDOW WALL SYSTEM (S.M.I.)
RC HOME SHOWCASE, INC.
16115 NW 52nd AVE.
MIAMI, FL. 33014
TEL. (305) 392-6214 FAX. (305) 260-6432

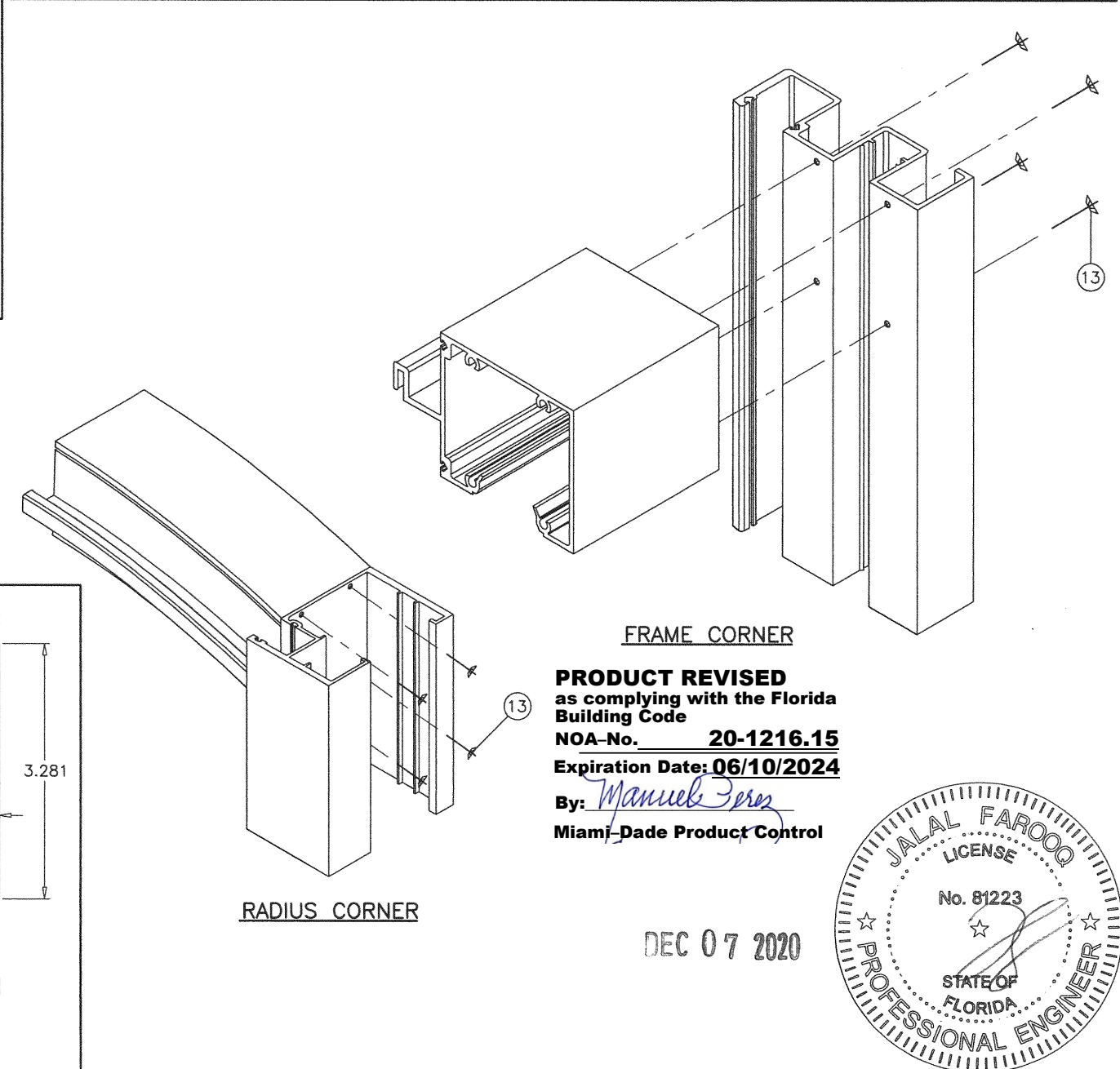
revisions:	no	date	by	description
	J	03.20.12		NO CHANGE THIS SHEET
	K	10.10.13		MANUF. NAME REV.
	L	04.23.15		UPDATED TO 2014 FBC
	M	04.09.18		UPDATED TO 2017 FBC
	N	11.20.20		UPDATED TO 2020 FBC

date: 06-21-03	scale: 1/2" = 1"	dr. by: TARIQ	chk. by:
----------------	------------------	---------------	----------

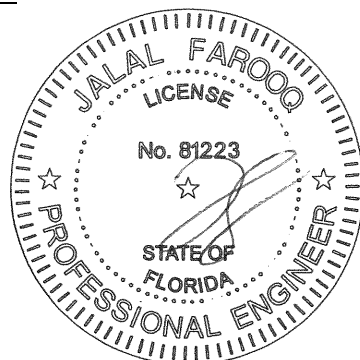
drawing no.	W03-46
sheet 8 of 9	



MATERIALS LIST					
ITEM NO.	PART NO.	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-T6	ALUMAX OR EQUIV.
3	FX345-09	AS REQD.	FRAME JAMB	6063-T5	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	V-003	AS REQD.	GLAZING GASKET	VINYL	WIBORG, DUROMETER 60 SHORE A
8A	V-038	AS REQD.	GLAZING GASKET	VINYL	WIBORG, DUROMETER 70±5 SHORE A
8B	V-042	AS REQD.	GLAZING GASKET (AT ALT. JAMB 2)	VINYL	WIBORG, DUROMETER 70±5 SHORE A
9	WV-3289	AS REQD.	BULB WEATHERSTRIPPING	VINYL	WIBORG
10	-	2/ LITE	SETTING BLOCKS (3/4" X 5/8" X 3-1/4")	EPDM	MELTPPOINT PLASTICS, DUROMETER 80±5 SHORE A
11	-	-	SEALANT DOWSIL 795 OR EQUAV.	SILICONE	AT EXT. GLASS PERIMETER
12	-	AS REQD.	REINFORCING BAR (1/2" X 3" X 90")	STEEL, A36	MIN. Fy=36 KSI, SILICONED IN PLACE
13	-	4/ CORNER	FRAME ASSEMBLY SCREWS	-	#12 X 1-1/4" PH SMS



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1216.15**
Expiration Date: **06/10/2024**
By: *Manuel Peres*
Miami-Dade Product Control



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978 FAX. (305) 262-6978
STORE W03-46RC

FX-345 ALUM. WINDOW WALL SYSTEM (S.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	03.20.12		NO CHANGE THIS SHEET
K	10.10.13		MANUF. NAME REV.
L	04.23.15		UPDATED TO 2014 FBC
M	04.09.18		UPDATED TO 2017 FBC
N	11.20.20		UPDATED TO 2020 FBC

date:

scale:

dr. by:

chk. by:

06-21-03

1/2" = 1"

TARIQ

drawing no.
W03-46
sheet 9 of 9