



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, FL 33175

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

www.miamidade.gov/economy

Tecnoglass, LLC
3550 NW 49th Street
Miami, FL 33142

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 "600Y-CA" Aluminum Single Hung Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-24**, titled "Series 600Y-CA Aluminum Single Hung Window (S.M.I.)", sheets 1 through 10 of 10, dated 03/26/07, with revision "E" dated 12/02/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P. E., bearing the Miami-Dade County Product Control Section 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, Barranquilla, Columbia and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

REVISION 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** and **renews** **NOA No. 16-1013.08** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P. E.**



S. Zhao

04/01/2021

NOA No. 20-1216.02
Expiration Date: March 09, 2027
Approval Date: April 01, 2021
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS (*Submitted under NOA-No. 16-1013.08*)

1. Manufacturer's die drawings and sections.
2. Drawing No **W07-24**, titled "Series 600Y-CA Aluminum Single Hung Window (S.M.I.)", sheets 1 through 10 of 10, dated 03/26/07 with revision "**D**" dated 02/09/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Water Resistance Test, per FBC, TAS 202-94
3) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
4) Large Missile Impact Test, per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading, per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6246**, dated 08/09/10, signed and sealed by Jorge A. Causo, P. E.
(Submitted under previous NOA No. 12-0806.04)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Water Resistance Test, per FBC, TAS 202-94
3) Uniform Static Air Pressure Test, Loading 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 a series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5988**, dated 08/31/09, signed and sealed by Jorge A. Causo, P. E.
(Submitted under previous NOA No. 12-0806.04)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Water Resistance Test, per FBC, TAS 202-94
3) Uniform Static Air Pressure Test, Loading 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 a series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5706**, dated 09/17/08, signed and sealed by Carlos S. Rionda, P. E.
(Submitted under previous NOA No. 12-0806.04)


Sifang Zhao, P. E.

Product Control Examiner

NOA No. 20-1216.02

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (continued)

4. Test reports on: 1) Uniform Static Air Pressure Test, Loading, per FBC, TAS 202–94
2) Small Missile Impact Test, per FBC, TAS 201–94
3) Cyclic Wind Pressure Loading, per FBC, TAS 203–94
along with marked-up drawings and installation diagram of a series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–5693**, dated 08/28/08, signed and sealed by Carlos S. Rionda, P. E.
(Submitted under previous NOA No. 12-0806.04)
5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94
3) Water Resistance Test, per FBC, TAS 202–94
4) Large Missile Impact Test per FBC, TAS 201–94
5) Cyclic Wind Pressure Loading per FBC, TAS 203–94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94
along with marked-up drawings and installation diagram of a series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL–4719**, dated 09/15/05 and **FTL–4032**, dated 12/05/03, signed and sealed by Edmundo J. Largaespada, P. E.
(Submitted under previous NOA No. 07–0522.10)
6. Test reports on: 1) Uniform Static Air Pressure Test, Loading, per FBC, TAS 202–94
2) Small Missile Impact Test, per FBC, TAS 202–94
3) Cyclic Wind Pressure Loading, per FBC, TAS 203–94
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94
along with marked-up drawings and installation diagram of a series 500Y Aluminum single hung windows mulled together over aluminum fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–4020**, dated 12/05/03, signed and sealed by Edmundo J. Largaespada, P. E.
(Submitted under previous NOA No. 07–0522.10)
7. Test reports on: 1) Safety Performance (Drop Load Impact) Test per ANSI Z97.1
along with marked-up drawings and installation diagram of a series 500Y Aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–5936**, dated 04/22/09, signed and sealed by Michael Wenzel, P. E.
(Submitted under NOA-No. 16-1013.08)



Sifang Zhao, P. E.
Product Control Examiner
NOA No. 20-1216.02
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B. TESTS (continued)

8. 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) Forced Entry Resistant Test, per FBC, TAS 202-94
7) Safety Performance (Drop Load Impact) Test per ANSI Z97.1-04 (CPSC 16 CFR 1201)

along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-5739** dated 01/20/09, signed and sealed by Carlos S. Rionda, P. E.
(For Reference Only) (Submitted under previous NOA No. 09-0812.15)

B. CALCULATIONS (Submitted under NOA-No. 16-1013.08)

1. Anchor verification calculations and structural analysis, complying with **FBC-2014**, dated 04/28/16, 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. Notice of Acceptance No. **16-1117.01** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear and Color PVB Glass Interlayers**” dated 01/19/17, expiring on 07/08/19.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Interlayer**” dated 06/25/15, expiring on 07/04/18.

F. STATEMENTS (Submitted under NOA-No. 16-1013.08)

1. Statement letter of no financial interest, independence, conformance and complying with **FBC-2014**, issued by Al-Farooq Corporation, dated 05/03/16, signed and sealed by Javad Ahmad, P. E.
2. Distribution agreement dated 02/07/17 between Tecnoglass, Inc. and Energia Solar SA, Colombia, signed by Evelyn Daes (Gen MGR) and Carlos Garcia (Sales MGR), respectively on behalf of their companies.



Sifang Zhao, P. E.
Product Control Examiner
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (continued, Submitted under NOA-No. 16-1013.08)

3. Sales agreement between Tecnoglass, LLC (Acquirer) and RC Aluminum Industries, Inc. (Asset Seller) dated 06/19/14, signed by Raul Casares, President (RC Aluminum Industries, Inc.
4. Statement letter dated July 15, 2014, issued by RC Aluminum Industries, Inc., stating RC Aluminum Industries, Inc. has legally sold to Tecnoglass, LLC, all the NOA(s) per schedule 1 and gave-up all rights to NOA(s) and request to rescind all NOA(s) under RC Aluminum Industries, Inc. signed by Raul Casares, President (RC Aluminum).
5. Revised proposal issued by Product Control, dated 02/12/09, signed by Renzo Narciso.
6. Laboratory compliance letter for Test Report No. **FTL-6246**, dated 07/27/10, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Jorge A. Causo, P. E.
7. Proposal issued by Product Control, dated 06/09/08, signed by Jaime D. Gascon, P. E.
8. Laboratory compliance letter for Test Report No. **FTL-5693**, dated 08/11/08, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Carlos S. Rionda, P. E.
9. Proposal No. **05-0111** issued by Product Control, dated 06/22/05, signed by Ishaq Chanda, P. E.
(Submitted under previous NOA No. 07-0522.10)
10. Proposal issued by Product Control, dated 10/17/08, signed by Jaime D. Gascon, P. E.
(Submitted under previous NOA No. 12-0806.04)
11. Laboratory compliance letters for Test Reports No.'s **FTL-5739**, dated 11/22/09, dated 12/05/03, all issued by Fenestration Testing Laboratory, Inc., signed by Manny Sanchez.
(Submitted under previous NOA No. 09-0802.15)
12. Laboratory compliance letters for Test Reports No.'s **FTL-4719**, dated 09/15/05 and **FTL-4032**, dated 12/05/03 and **FTL-4020**, dated 12/05/03, all issued by Fenestration Testing Laboratory, Inc., all signed and sealed by Edmundo J. Largaespada, P. E.
(Submitted under previous NOA No. 07-0522.10)
13. Proposal issued by Product Control, dated 09/25/03, signed by Jaime D. Gascon, P. E.
(Submitted under previous NOA No. 07-0522.10)

G. OTHERS

1. None.



Sifang Zhao, P. E.
Product Control Examiner
NOA No. 20-1216.02
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W07-24**, titled “Series 600Y-CA Aluminum Single Hung Window (S.M.I.)”, sheets 1 through 10 of 10, dated 03/26/07, with revision “**E**” dated 12/02/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations complying with **FBC 7th Edition (2020)**, dated 12/01/2020, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Interlayer**” dated 11/19/20, expiring on 07/04/23.
2. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear and Color PVB Glass Interlayers**” dated 11/19/20, expiring on 07/08/24.

F. STATEMENTS

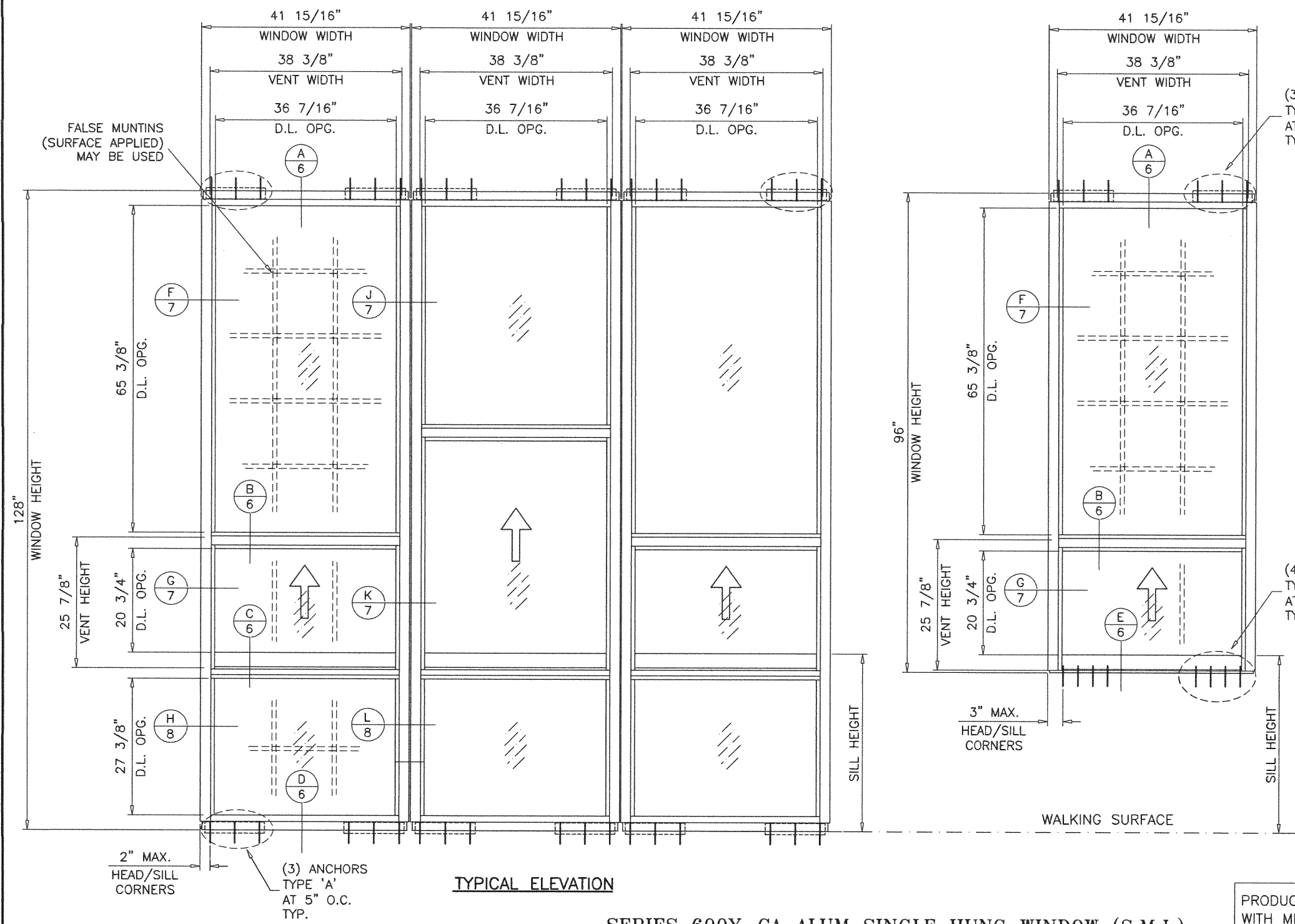
1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, and of no financial interest, dated December 01, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

1. Notice of Acceptance No. **16-1013.08**, issued to Tecnoglass, LLC for their Series “600Y-CA” Aluminum Single Hung Window - S.M.I., approved on 03/03/17 and expiring on 03/09/22.



Sifang Zhao, P. E.
Product Control Examiner
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TYPICAL ELEVATION

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)

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)'.

(3) ANCHORS
TYPE 'A' OR 'B'
AT 5" O.C.
TYP.

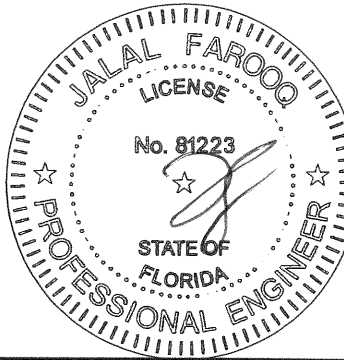
(4) ANCHORS
TYPE 'A'
AT 3" O.C.
TYP.

INDEX OF DRAWING	
SHEET NO.	DESCRIPTION
1	GENERAL NOTES, TYPICAL WINDOW ELEVATIONS
2	APPROVED CONFIGURATIONS, GLAZING OPTIONS
3	EQUAL LITE SINGLE HUNG AND SINGLE HUNG OVER FIXED CAPACITY CHARTS
4	UNEQUAL LITE SINGLE HUNG AND SINGLE HUNG OVER FIXED CAPACITY CHARTS
5	EQUAL AND UNEQUAL LITE WINDOWS JAMB AND MULLION CAPACITY CHARTS
6 THRU 8	VERTICAL AND HORIZONTAL SECTION DETAILS
8	UNANCHORED JAMB DETAILS & OPTIONS
9	CORNER CONSTRUCTION DETAILS, BILL OF MATERIALS
10	EXTRUSION DETAILS

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1216.02
Expiration Date 03/09/2027
By
Miami-Dade Product Control

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1 WITH MINIMUM SILL HEIGHT OF 36 IN. ABOVE WALKING SURFACE.

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT. MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.



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

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description
	A	07.23.12		UPDATED TO 2010 FBC
	B	11.07.12		CORNER ANCHOR REVISED
	C	06.18.16		UPDATED TO 2014 FBC
	D	02.09.17		NO CHANGE THIS SHEET
	E	12.02.20		UPDATED TO 2020 FBC

date: 03-26-07

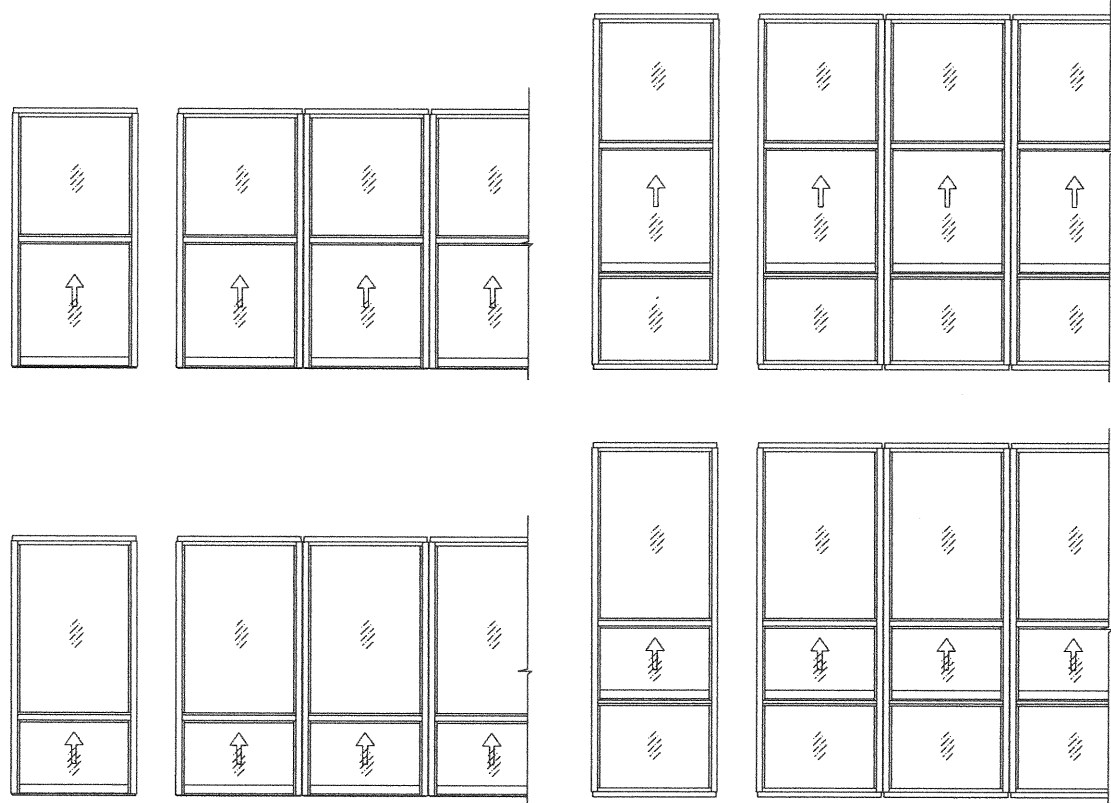
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dr. by: TARIQ

chk. by:

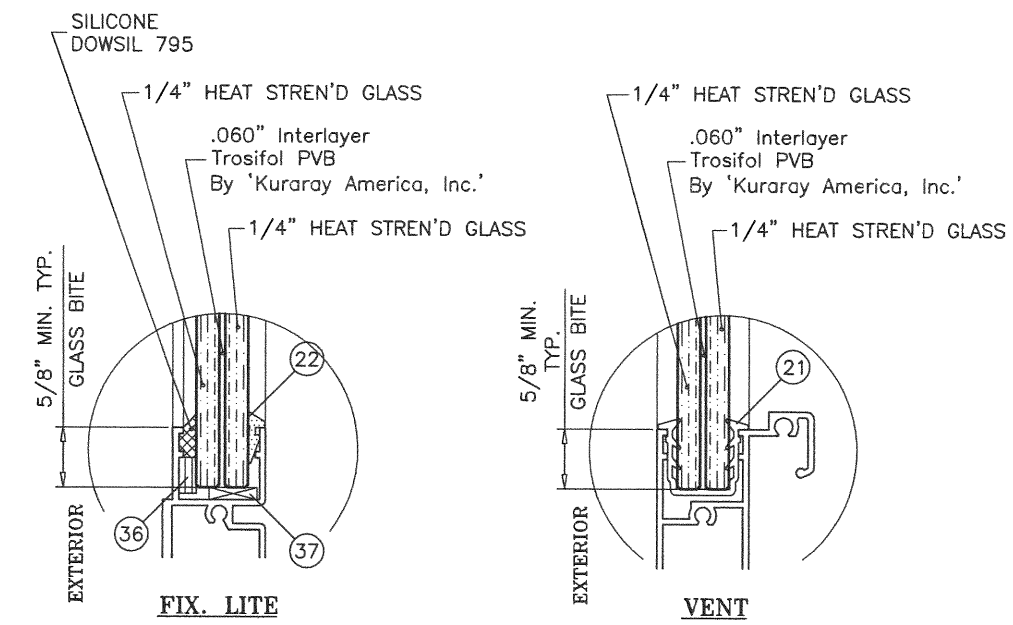
drawing no.
W07-24

sheet 1 of 10

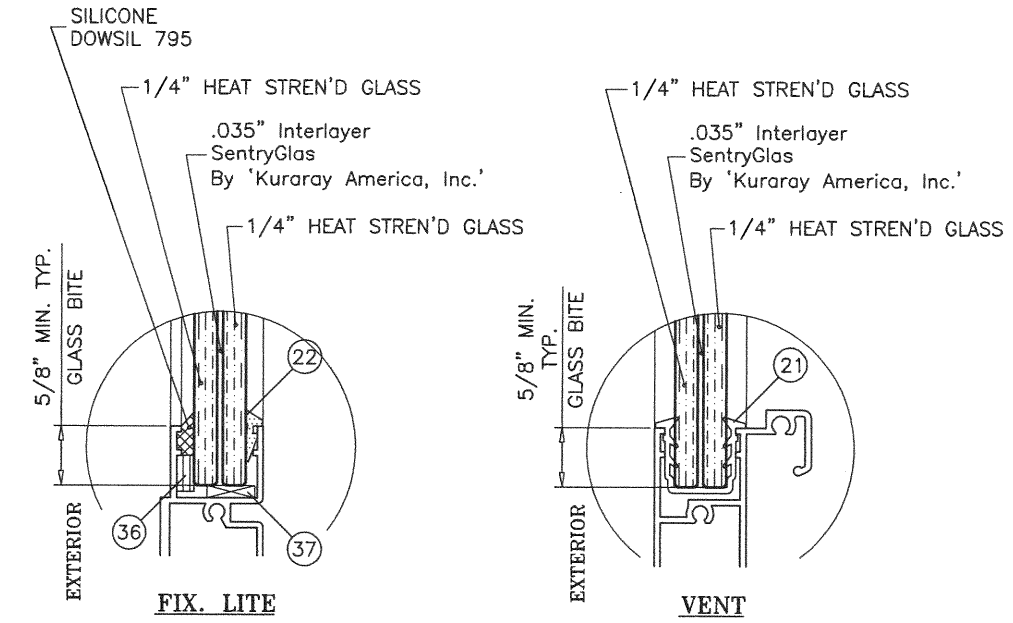


APPROVED CONFIGURATIONS

APPROVAL APPLIES TO INDIVIDUAL UNITS OF SINGLE HUNG WINDOWS OR SINGLE HUNG OVER FIXED WINDOWS. ALSO SIDE BY SIDE COMBINATIONS OF S.H. TO S.H. OR S.H./FIX. TO S.H./FIX. IN MODULES OF TWO OR MORE UNITS.



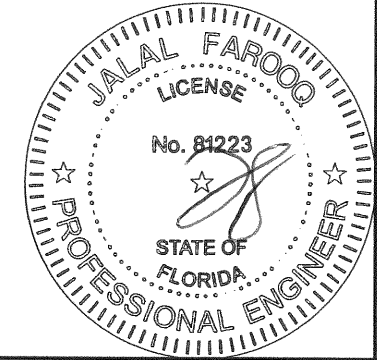
GLASS TYPE 'A'



GLASS TYPE 'B'

GLAZING OPTIONS

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1216.02
Expiration Date 03/09/2027
By *[Signature]*
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

af c
(C.A.N. 3538)
COMP - ANL \ W07 - 24RC

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

drawing no.
W07-24
sheet 2 of 10

no	date	by	description
A	07.23.12	GLASS TYPE 'B' ADDED	
B	11.07.12	REV. PER PER COMMENTS	
C	06.18.16	UPDATED TO 2014 FBC	
D	02.09.17	NO CHANGE THIS SHEET	
E	12.02.20	UPDATED TO 2020 FBC	

date: 03-26-07

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

date: 03-26-07

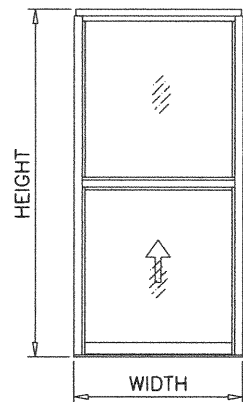
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dr. by: TARIQ

chk. by:

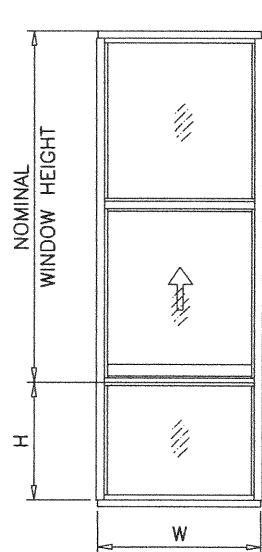
EQUAL LITES SINGLE HUNG WINDOWS			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'A'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
30"	48"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		86.5	86.5
60"		62.1	62.1
30"	54"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	115.2
54"		78.6	78.6
60"		56.2	56.2
30"	60"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	107.2
54"		72.6	72.6
30"	66"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	101.1
30"	72"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		96.5	96.5
30"	78"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
30"	79"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
44-3/4"		100.0	120.0

EQUAL LITES SINGLE HUNG WINDOWS			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'B'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
30"	36"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		89.9	116.8
30"	42"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		78.0	101.5
30"	48"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		96.7	120.0
60"		69.4	90.2
30"	54"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		87.9	114.2
60"		62.8	81.6
30"	60"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		81.1	105.5
60"		57.7	74.9
30"	66"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		75.9	98.7
60"		53.6	69.7
30"	72"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		71.8	93.3
60"		50.4	65.5
30"	78"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		68.6	89.2
30"	79"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
44-3/4"		100.0	120.0
30"	84"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
30"	90"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0

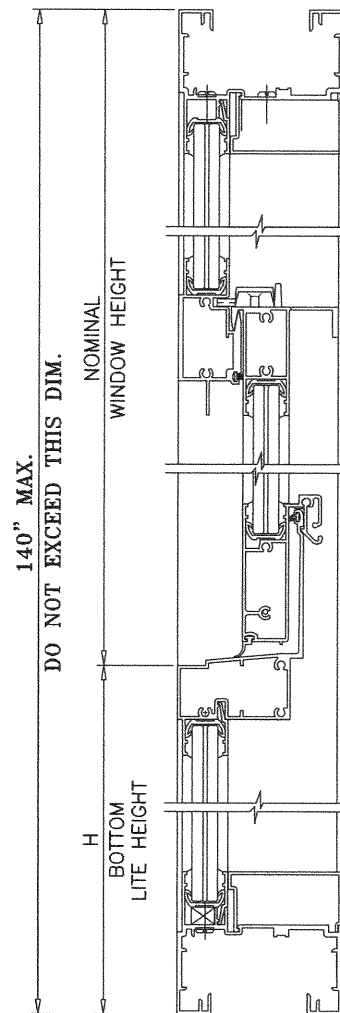


EQUAL LITES
SINGLE HUNG WINDOWS

WINDOWALL BOTTOM LITE CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'A'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
36"	36"	100.0	120.0
42"		100.0	120.0
48"		96.5	96.5
36"	41"	100.0	120.0
42"		100.0	120.0
44-3/4"		100.0	120.0




EQUAL LITES
SINGLE HUNG OVER
FIXED WINDOWS



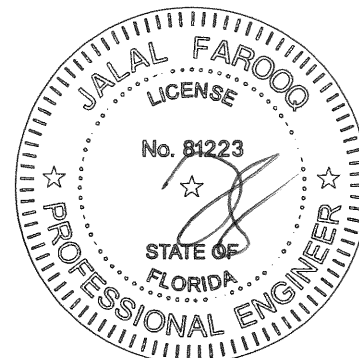
DO NOT EXCEED THIS DIM.
140" MAX.


WINDOWALL BOTTOM LITE CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'B'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
36"	36"	100.0	120.0
42"		100.0	120.0
48"		100.0	120.0

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1216.02
Expiration Date 03/09/2027
By 
Miami-Dade Product Control

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

DEC 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
COMP - ANL\W07-24RC

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description
A	07.23.12		GLASS TYPE 'B' ADDED
B	11.07.12		NO CHANGE THIS SHEET
C	06.18.16		UPDATED TO 2014 FBC
D	02.09.17		NO CHANGE THIS SHEET
E	12.02.20		NO CHANGE THIS SHEET

date: 03-26-07
scale: -
dr. by: TARIQ
chk. by:

drawing no.
W07-24
sheet 3 of 10

REFER TO CHARTS AT LEFT OF THIS PAGE TO OBTAIN
SINGLE HUNG WINDOW CAPACITY.

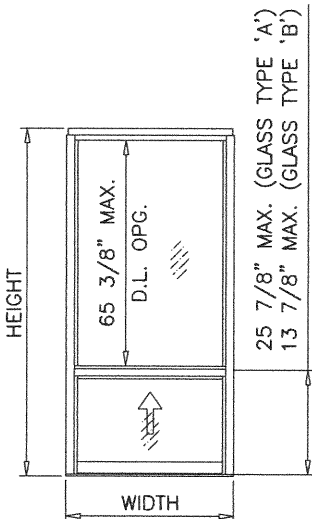
REFER TO CHART ABOVE TO OBTAIN CAPACITY OF
BOTTOM LITE OF WINDOWALL.

REFER TO CHARTS AT SHEET 4 TO OBTAIN JAMB AND
MULLION CAPACITY.

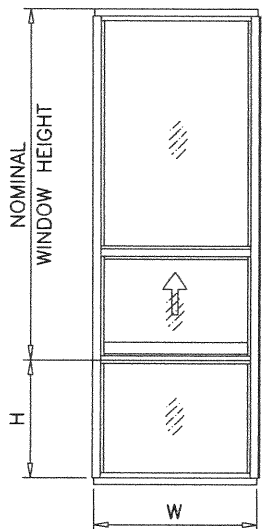
USE LOWEST VALUES OF OPTIONS CONSULTED.

UNEQUAL LITES SINGLE HUNG WINDOWS			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'A'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
30"	48"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		86.5	86.5
30"	54"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	115.3
54"		78.7	78.7
30"	60"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	108.1
54"		100.0	108.1
30"	66"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
30"	72"	100.0	120.0
36"		100.0	120.0
42"		99.5	99.5
48"		60.9	60.9
54"		40.1	40.1
30"	78"	100.0	120.0
36"		100.0	100.0
42"		99.5	99.5
48"		60.8	60.8
54"		39.5	39.5
30"	79"	100.0	120.0
30"	84"	100.0	100.0
36"		100.0	100.0
42"		99.5	99.5
48"		60.8	60.8
30"	90"	100.0	100.0
36"		100.0	100.0
42"		99.5	99.5
30"	95-3/8"	100.0	100.0
36"		100.0	100.0
30"	96"	100.0	100.0
36"		100.0	100.0
42"		76.9	76.9
30"	102"	100.0	100.0
36"		100.0	100.0
39-1/8"		100.0	100.0
30"	107-3/8"	100.0	100.0
36"		100.0	100.0
39-1/8"		100.0	100.0

UNEQUAL LITES SINGLE HUNG WINDOWS			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'B'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
30"	36"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		90.4	117.5
30"	42"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		79.4	103.3
30"	48"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		71.9	93.5
30"	54"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		94.8	120.0
60"		66.7	86.7
30"	60"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		91.0	118.3
60"		63.3	82.3
30"	66"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		89.3	116.1
60"		61.2	79.5
30"	72"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		89.2	115.9
60"		60.2	78.3
30"	78"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		89.2	115.9
60"		100.0	120.0
30"	84"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		100.0	120.0
30"	90"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		100.0	120.0
30"	96"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		100.0	120.0
30"	102"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		100.0	120.0
30"	108"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		100.0	120.0
30"	114"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		100.0	120.0
30"	120"	100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		100.0	120.0



UNEQUAL LITES (ORIEL)
SINGLE HUNG WINDOWS



UNEQUAL LITES (ORIEL)
SINGLE HUNG OVER
FIXED WINDOWS

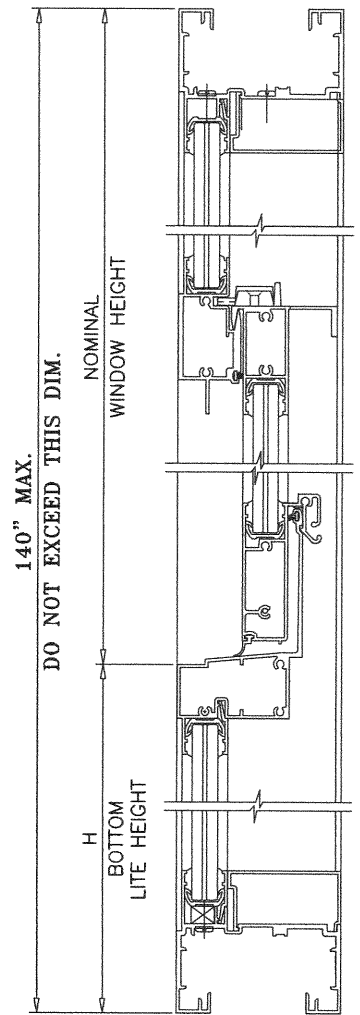
REFER TO CHARTS AT LEFT OF THIS PAGE TO OBTAIN
SINGLE HUNG WINDOW CAPACITY.

REFER TO CHART ABOVE TO OBTAIN CAPACITY OF
BOTTOM LITE OF WINDOWALL.

REFER TO CHARTS AT SHEET 6 TO OBTAIN JAMB AND
MULLION CAPACITY.

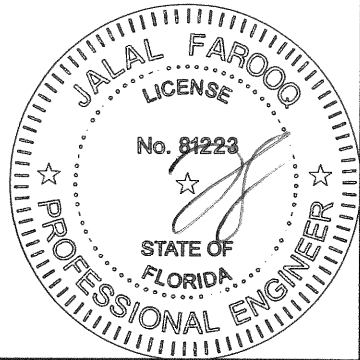
USE LOWEST VALUES OF OPTIONS CONSULTED.

WINDOWALL BOTTOM LITE CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPES 'A' & 'B'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
42"	36"	100.0	120.0
48"		100.0	107.5
54"		72.5	72.5
42"	41"	100.0	120.0
48"		100.0	104.3
54"		69.6	69.6
44-3/4"	41"	100.0	120.0



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1216.02
Expiration Date 03/09/2027
By Miami-Dade Product Control

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



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)

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

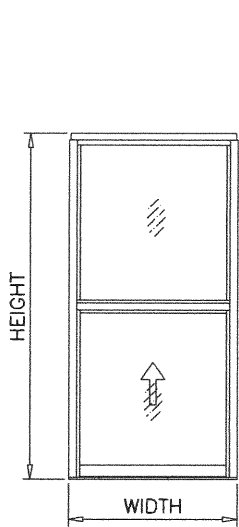
revisions:	no.	date	by	description
	A	07.23.12		GLASS TYPE 'B' ADDED
	B	11.07.12		NO CHANGE THIS SHEET
	C	06.18.16		UPDATED TO 2014 FBC
	D	02.09.17		REV. PER PER COMMENTS
	E	12.02.20		NO CHANGE THIS SHEET

date:	03-26-07
scale:	-
dr.	TARIQ
chk.	by:

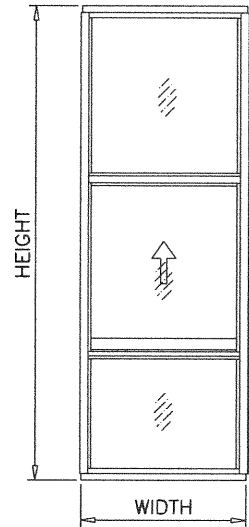
drawing no.	W07-24
sheet	4 of 10

COMP-ANL\W07-24RC

JAMB LOAD CAPACITY - PSF			
WINDOW DIMS.		EXT.(+)	INT.(-)
WIDTH	HEIGHT		
24"	84"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		100.0	120.0
24"	96"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
24"	108"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
24"	120"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
24"	126"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	104.1
48"		100.0	104.1
24"	128"	100.0	120.0
30"		100.0	120.0
36"		100.0	117.7
42"		100.0	117.7
48"		100.0	100.8
24"	132"	100.0	100.0
30"		100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
24"	138"	100.0	100.0
30"		100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
24"	140"	100.0	100.0
30"		100.0	100.0
36"		98.3	98.3
38"		93.2	93.2

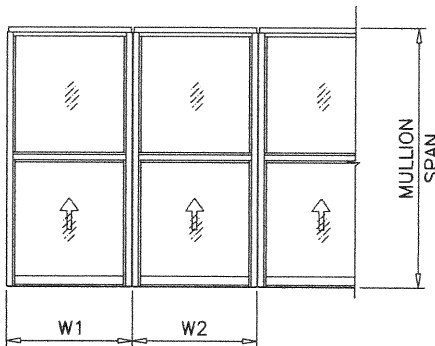


EQUAL LITES
UNEQUAL LITES (ORIEL)
SINGLE HUNG WINDOWS

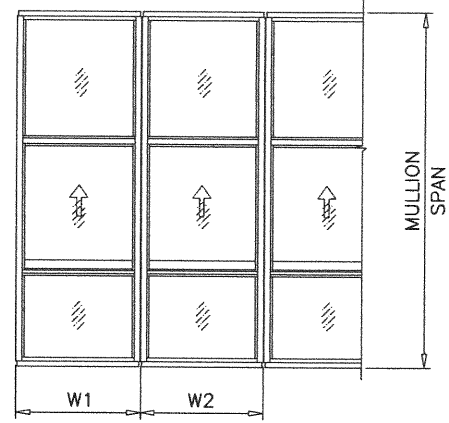


EQUAL LITES
UNEQUAL LITES (ORIEL)
SINGLE HUNG OVER
FIXED WINDOWS

MULLION LOAD CAPACITY - PSF		
WINDOW DIMS.		EXT.(+) INT.(-)
WIDTH (W)	MULL SPAN	
24"	90"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		100.0
24"	96"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
24"	108"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
24"	126"	100.0
30"		100.0
36"		100.0
42"		100.0
48"		100.0
24"	140"	100.0
30"		100.0
36"		96.9
38"		91.8



EQUAL LITES
UNEQUAL LITES (ORIEL)
SINGLE HUNG WINDOWS



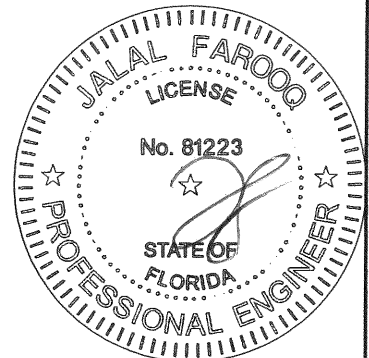
EQUAL LITES
UNEQUAL LITES (ORIEL)
SINGLE HUNG OVER
FIXED WINDOWS

$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1216.02

Expiration Date 03/09/2027

By 
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
COMP-ANL\W07-24RC

SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description
A	07.23.12		GLASS TYPE 'B' ADDED
B	11.07.12		NO CHANGE THIS SHEET
C	06.18.16		UPDATED TO 2014 FBC
D	02.09.17		NO CHANGE THIS SHEET
E	12.02.20		UPDATED TO 2020 FBC

date: 03-26-07

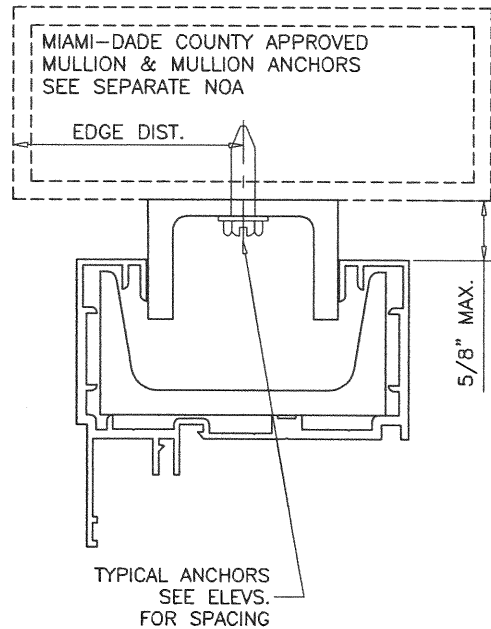
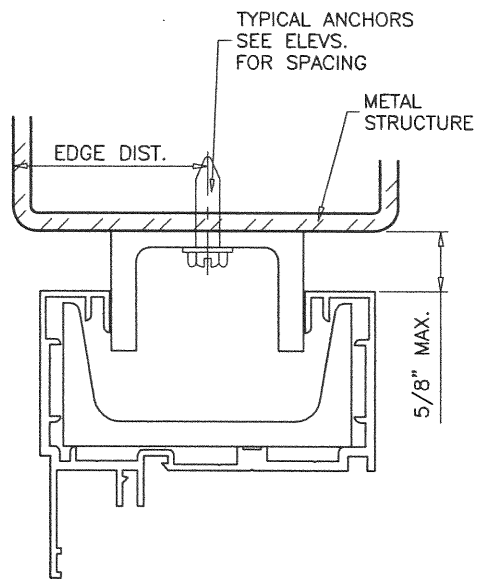
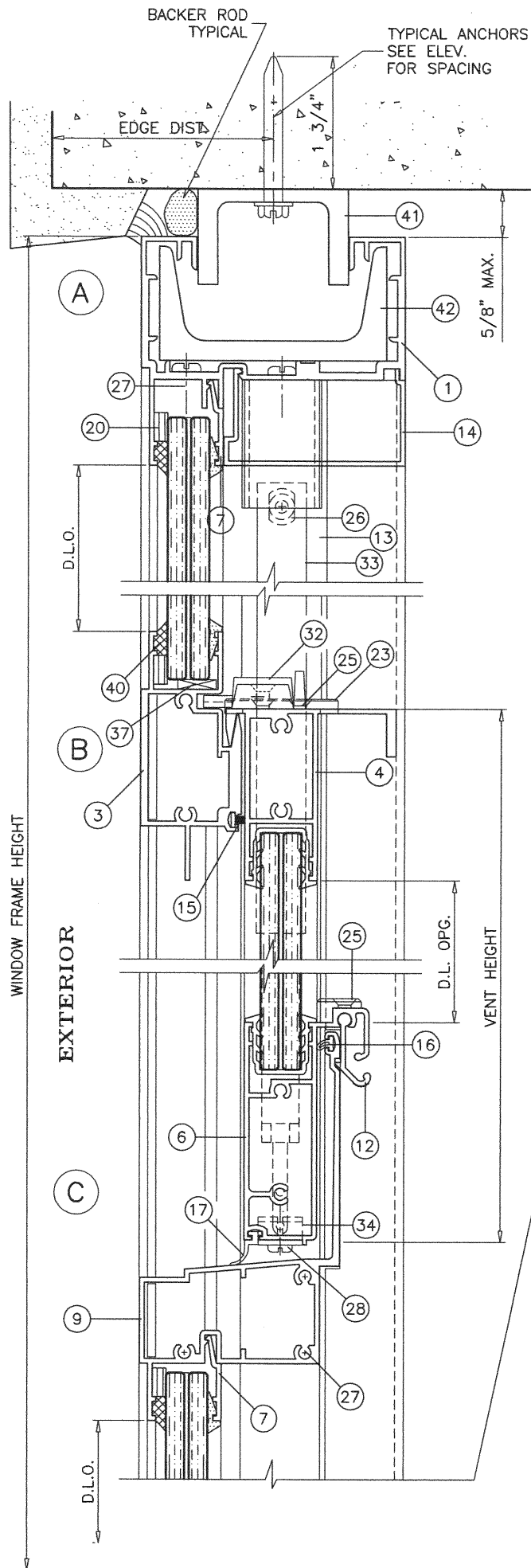
scale: -

dr. by: TARIQ

chk. by:

drawing no.
W07-24

sheet 5 of 10



METAL STRUCTURES NOT BY 'TECNOGLASS', MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - **5/16" DIA. ULTRACON BY 'DEWALT'** ($F_u=177$ KSI, $F_y=155$ KSI)
DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

TYPE 'B' - **5/16" DIA. TEKS OR SELF-DRILLING SCREWS** (GRADE 5 CRS)
INTO METAL STRUCTURES (HEAD/SILL)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 3/16" THK. MIN. (6063-T5 MIN.)
STEEL: 3/16" THK. MIN. ($F_y = 36$ KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

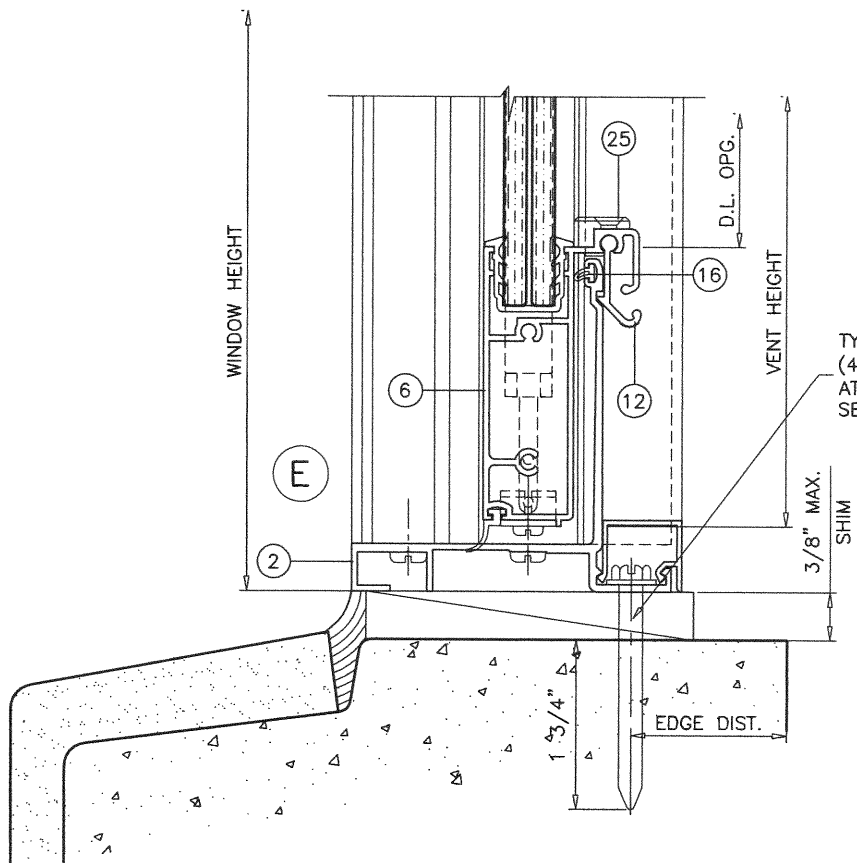
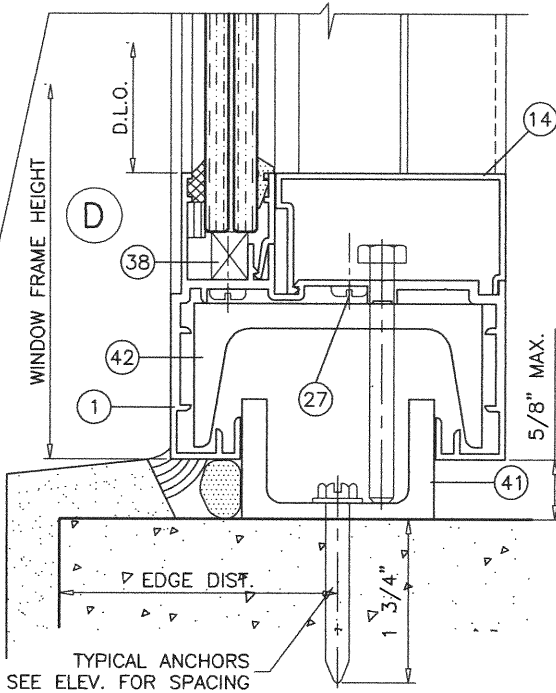
CRITICAL EDGE DISTANCE

INTO CONCRETE = 2-3/16" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL $f'_c = 4000$ PSI MIN.

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH DOWSIL 795 SEALANT.

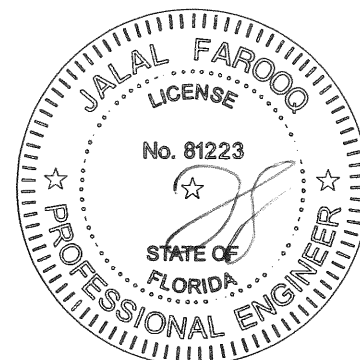


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Building Code
NOA-No. 20-1216.02

Expiration Date 03/09/2027

By
Miami-Dade Product Control

DEC 07 2020



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

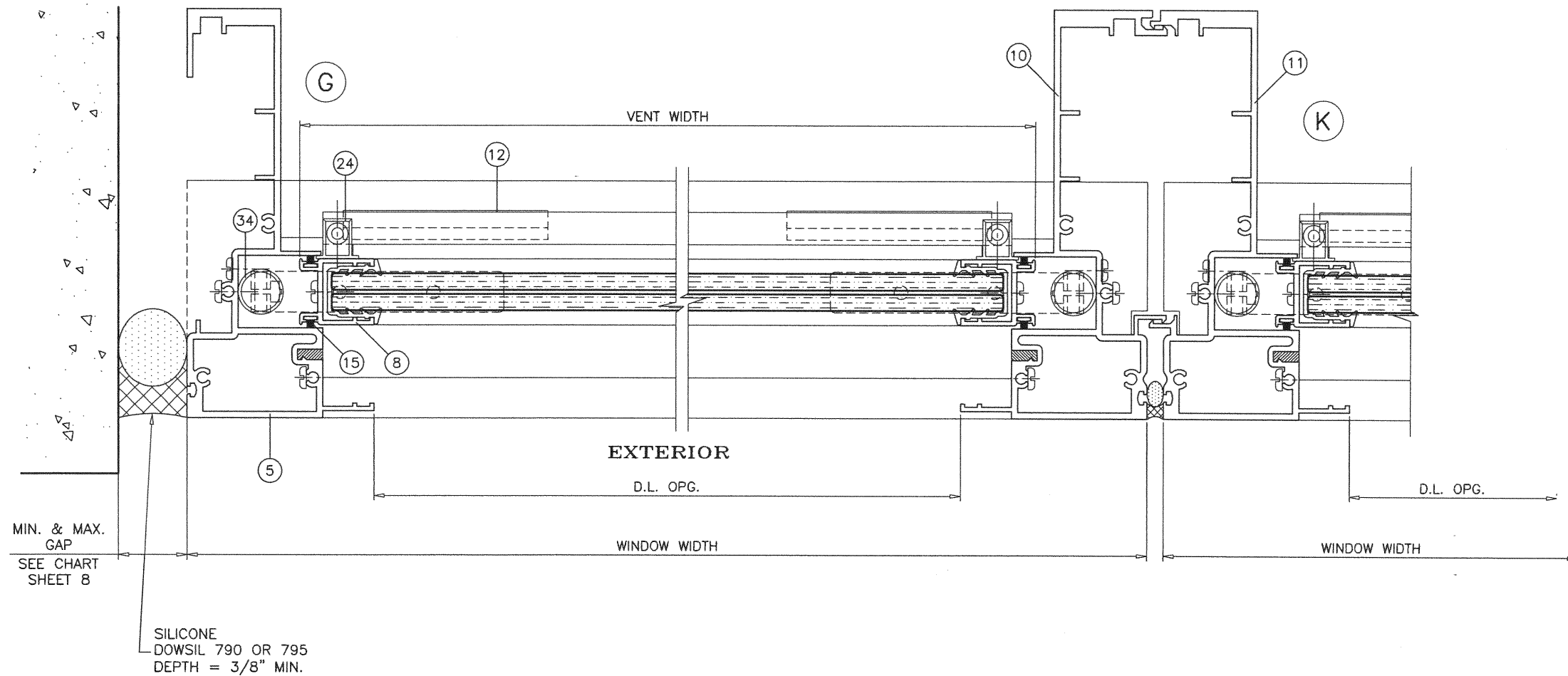
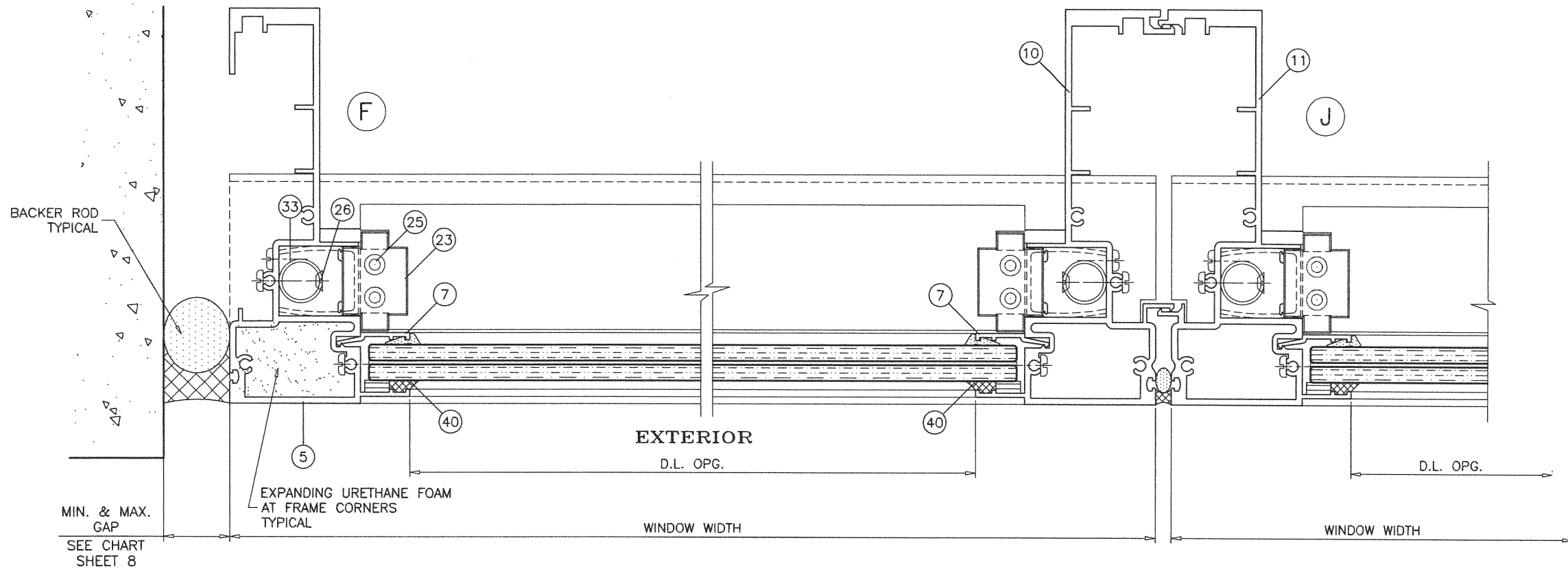
SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description
	A	07.23.12	ANCHORS REV.	
	B	11.07.12	REV. PER REV. COMMENTS	
	C	06.18.16	UPDATED TO 2014 FBC	
	D	02.09.17	REV. PER REV. COMMENTS	
	E	12.02.20	UPDATED TO 2020 FBC	

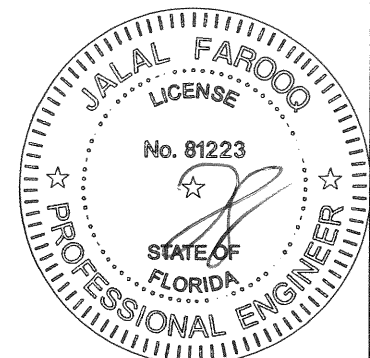
date: 03-26-07	scale: 1/2" = 1"
dr. by: TARIQ	chk. by:

drawing no.	W07-24
sheet	6 of 10

COMP-ANL\W07-24RC



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1216.02
Expiration Date 03/09/2027
By *[Signature]*
Miami-Dade Product Control

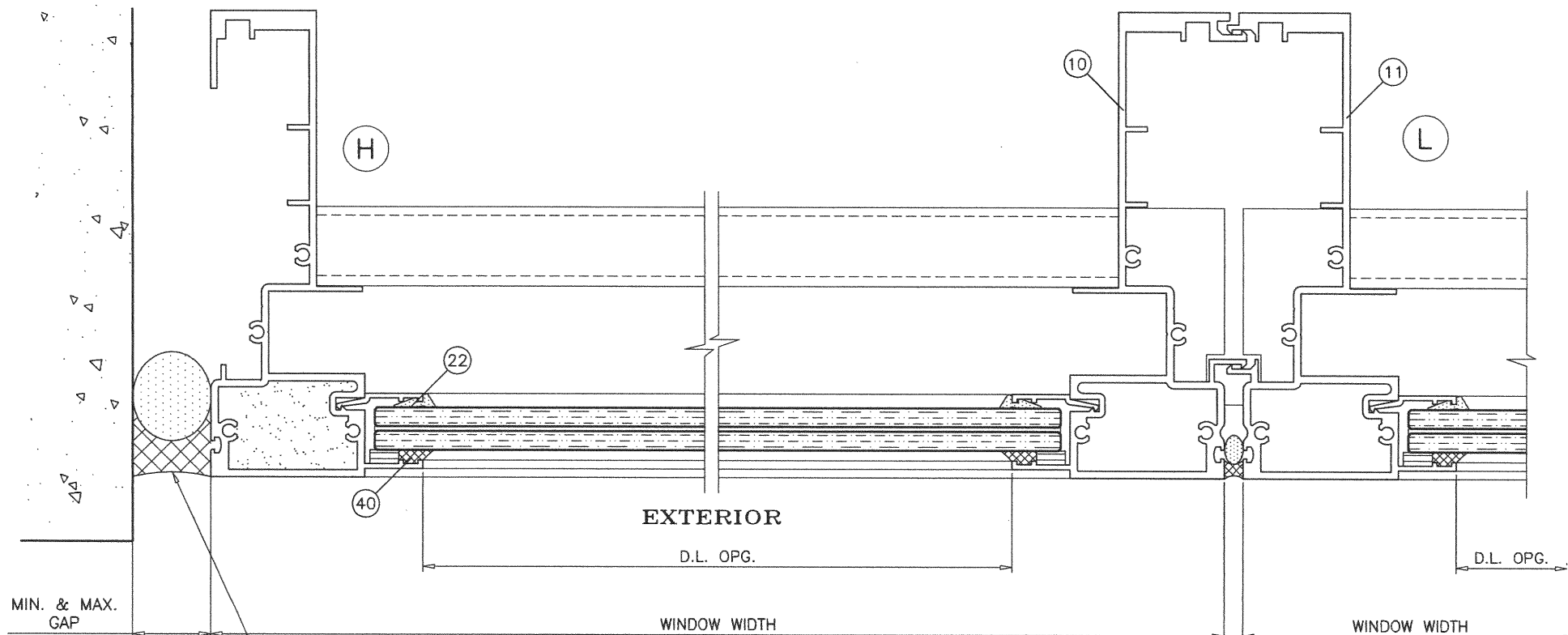


DEC 07 2020

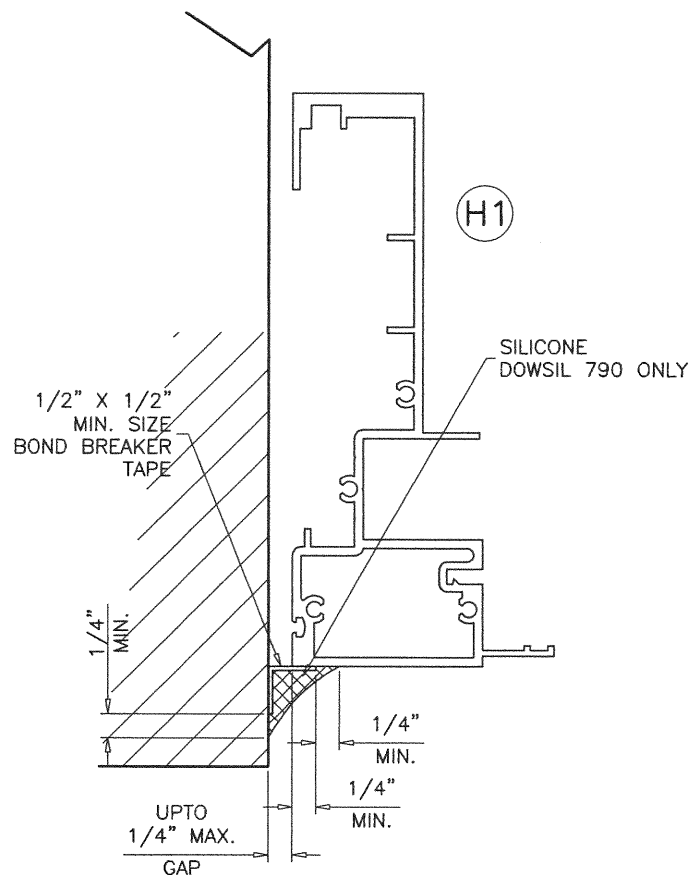
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)
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TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:		no	date	by	description
date: 03-26-07	A	07.23.12	UPDATED TO 2010 FBC		
	B	11.07.12	NO CHANGE THIS SHEET		
	C	06.18.16	UPDATED TO 2014 FBC		
	D	02.09.17	NO CHANGE THIS SHEET		
	E	12.02.20	UPDATED TO 2020 FBC		
scale: 1/2" = 1"					
dr. by: TARIQ					
chk. by:					
drawing no.					
W07-24					
sheet 7 of 10					



SILICONE
DOWSIL 790 OR 795
DEPTH = 3/8" MIN.
FOLLOW GUIDELINES ESTABLISHED
BY SEALANT MANUFACTURER




NOTE:
THIS CONDITION ALLOWS MAX. DEFLECTION OF .80 IN.
APPLICABLE FOR GAPS OF 0 TO 1/2".

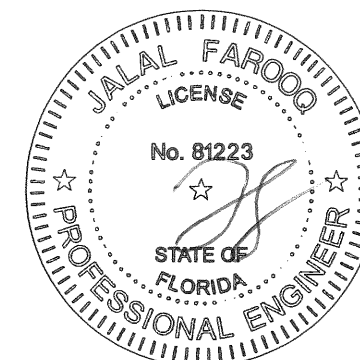
FOR A GIVEN MULLION SPACING, HEIGHT AND DESIGN PRESSURE
DETERMINE DEFLECTION USING CHART AT RIGHT.
FROM CHART BELOW DETERMINE THE MIN. GAP (G)
REQUIRED FOR PROJECT.
FOR GAPS LESS THAN 1/4 INCHES USE BOND BREAKER TAPE
AS SHOWN IN DETAIL 'H1' AT LEFT.
CHART BELOW APPLICABLE TO DETAIL 'H' ONLY

MIN. GAP (G)	MAX. DEFLECTION	
	DOWSIL 790	DOWSIL 795
.375"	.650"	.420"
.500"	.778"	.560"
.625"	.778"	.699"
.750"	.778"	.778"
.875"	.778"	.778"
1.000"	.778"	.778"

ALTERNATE SEALANTS OR JAMB GAPS CAN BE
DESIGNED BY ENGINEER OF RECORD
BASED ON MANUFACTURER GUIDE LINES.

NOMINAL DIMS.		UNANCHORED JAMBS DEFLECTION		
WIDTH (W)	FRAME HEIGHT	AT 90 PSF	AT 100 PSF	AT 120 PSF
24"	96"	.099"	.110"	.132"
30"		.124"	.138"	.166"
36"		.149"	.166"	.199"
42"		.174"	.193"	.232"
48"		.199"	.221"	.265"
54"		.224"	.248"	.298"
56"		.232"	.258"	.309"
24"	108"	.159"	.177"	.212"
30"		.199"	.221"	.265"
36"		.239"	.265"	.318"
42"		.278"	.309"	.371"
48"		.318"	.354"	.424"
49"		.325"	.361"	.433"
24"	120"	.243"	.269"	.323"
30"		.303"	.337"	.404"
36"		.364"	.404"	.485"
42"		.424"	.472"	.566"
44"		.445"	.494"	.593"
24"	126"	.295"	.328"	.393"
30"		.368"	.409"	.491"
36"		.442"	.491"	.590"
42"		.516"	.573"	.688"
24"	128"	.314"	.349"	.419"
30"		.392"	.436"	.523"
36"		.471"	.523"	.628"
42"		.549"	.610"	-
24"	132"	.355"	.395"	-
30"		.444"	.493"	-
36"		.533"	.592"	-
40"		.592"	.658"	-
24"	138"	.424"	.471"	-
30"		.530"	.589"	-
36"		.636"	.707"	-
38"		.672"	.746"	-
24"	140"	.449"	.499"	-
30"		.562"	.624"	-
36"		.674"	.749"	-
38"		.711"	.755"	-

PRODUCT REVISED
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Expiration Date 03/09/2027
By 
Miami-Dade Product Control

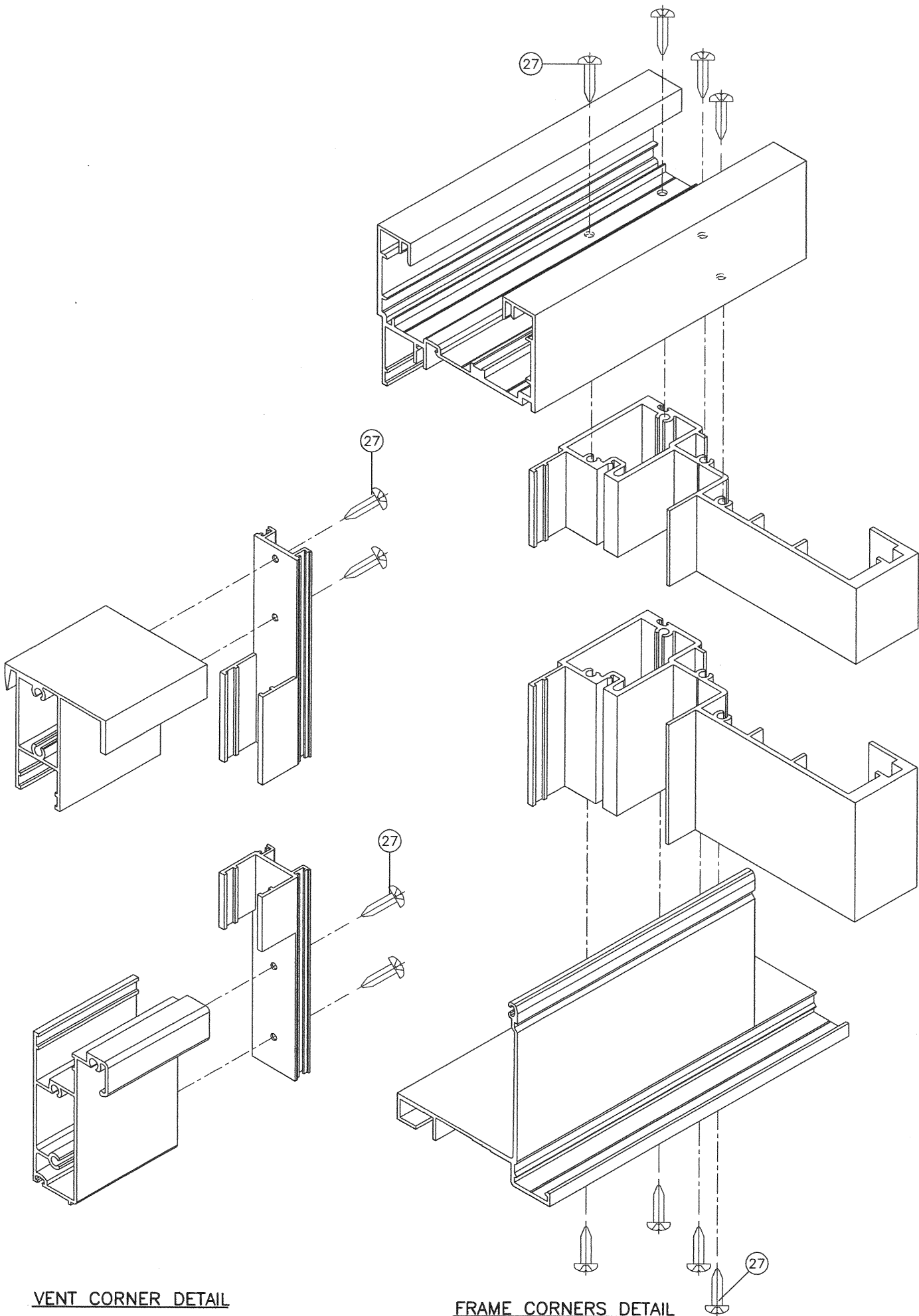


af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W07-24RC


SERIES 600Y-CA ALUM SINGLE HUNG WINDOW (S.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:		description
no	date	
A	07.23.12	UPDATED TO 2010 FBC
B	11.07.12	REV. PER RER COMMENTS
C	06.18.16	UPDATED TO 2014 FBC
D	02.09.17	NO CHANGE THIS SHEET
E	12.02.20	UPDATED TO 2020 FBC

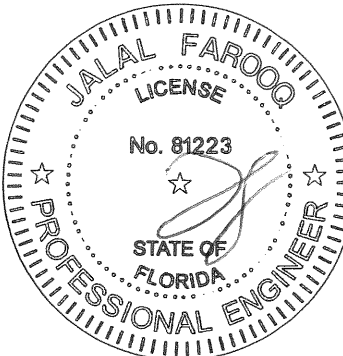
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dr. by: TARIQ
chk. by:
drawing no.
W07-24
sheet 8 of 10

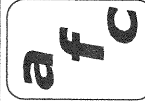


ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	500Y-017	AS REQD.	HEAD & FIXED SILL	6063-T6	AT FRAME
2	500Y-002	AS REQD.	FRAME SILL	-	AT FRAME
3	500Y-003	1	MEETING RAIL	6005-T5	AT FRAME
4	500Y-028	1	VENT TOP	6005-T5	SASH VENT
5	500Y-019	2	JAMB	6063-T6	AT FRAME
6	500Y-006	1	VENT BOTTOM	6063-T6	SASH VENT
7	500Y-007	AS REQD.	GLAZING BEAD	6063-T6	AT FIXED GLASS
8	500Y-008	2	VENT SIDE	6063-T6	SASH VENT
9	500Y-009	AS REQD.	SILL MEETING RAIL	6005-T5	AT FRAME
10	500Y-015	AS REQD.	MALE MULLION	6063-T6	-
11	500Y-016	AS REQD.	FEMALE MULLION	6063-T6	-
12	500Y-012	2/VENT	HANDICAP FINGER LOCK	6063-T6	SASH VENT
13	500Y-013	1	VENT STOP	6063-T6	AT TOP OF FRAME
14	550Y-018	AS REQD.	FRAME COVER	6063-T6	-
15	W33261NK	AS REQD.	WEATHERSTRIPPING PILE	-	AT VENT SIDE MEETING RAIL
16	WV-3189	AS REQD.	WEATHERSTRIPPING GASKET	VINYL	SILL & SILL MEETING RAIL
17	V-048	AS REQD.	WEATHERSTRIPPING GASKET, BOTTOM OF SASH VENT	TPE	MELTPOINT, DUROMETER 75±5
21	V-049	AS REQD.	GLAZING GASKET	TPE	MELTPOINT, DUROMETER 70±5
22	V-053	AS REQD.	GLAZING WEDGE	TPE	MELTPOINT, DUROMETER 75±5
23	P-012	2/ VENT	VENT TOP GUIDE PLASTIC M&M	NYLON	TOP OF SASH VENT
24	P-013	2/ VENT	VENT BOTTOM GUIDE PLASTIC M&M	NYLON	BOTTOM OF SASH VENT
25	-	AS REQD.	#8 X 3/8" LG. FH. SMS. ST/ST PHILLIPS	-	AT P-012, P-013 & PD-203
26	-	2	#8 X 1" LG. FH. SMS. ST/ST PHILLIPS	-	AT TOP OF BALANCE
27	-	AS REQD.	#10 X 1" LG. PH. SMS. ST/ST PHILLIPS	-	ASSEMBLY SCREWS
28	-	6	#10 X 3/4" LG. PH. SMS. ST/ST PHILLIPS	-	AT BALANCE CLIP
29	-	-	-	-	-
32	PD-203	2/ WDW	SASH LOCK	-	AT TOP OF SASH
33	-	2/ WDW	ULTRA-LIFT BALANCE #30	-	AT FRAME
34	-	2/ WDW	ULTRA-LIFT NON TILT BRACKET	-	-
36	-	-	1/4" X 1/2" FOAM TAPE SINGLE FACE	-	-
37	-	2/ LITE	1/8" X 1/2" X 4" LG. SETTING BLOCK	EPDM	DUROMETER 80±5 SHORE A
38	-	2/ LITE	3/8" X 1/2" X 4" LG. SETTING BLOCKS	EPDM	DUROMETER 80±5 SHORE A
40	DOWSIL 795	-	GLAZING COMPOUND	SILICONE	-
41	500Y-021	AS REQD.	ANCHOR CHANNEL	6063-T6	9 IN. & 12" LONG LONG
42	500Y-020	AS REQD.	REINFORCING CHANNEL	6063-T6	9 IN. LONG

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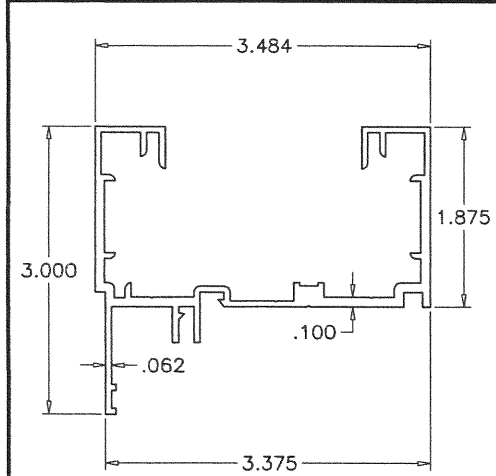
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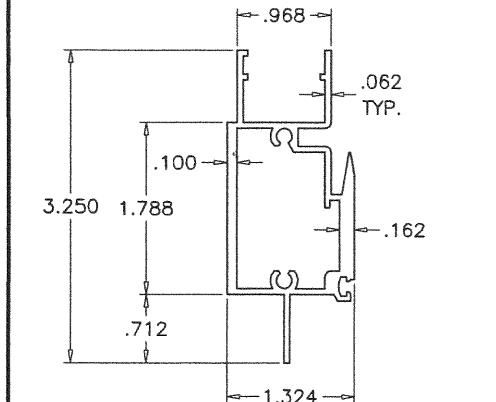
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date:	03-26-07
scale:	1/2" = 1"
dr. by:	TARIQ
chk. by:	

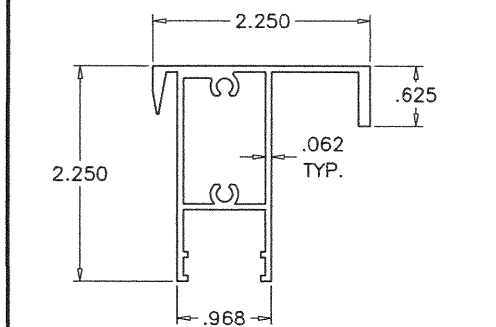
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sheet	9 of 10



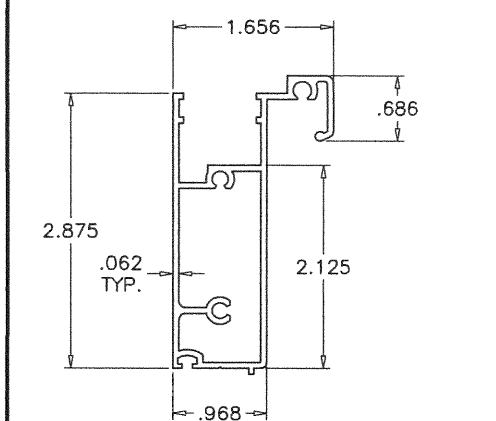
① FRAME HEAD/SILL



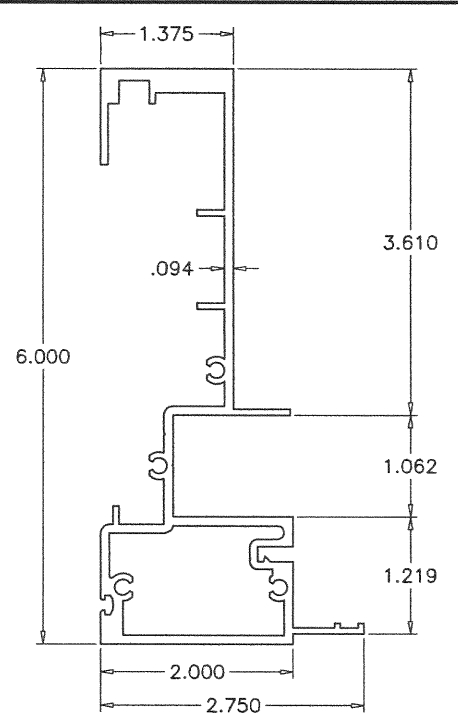
③ MEETING RAIL



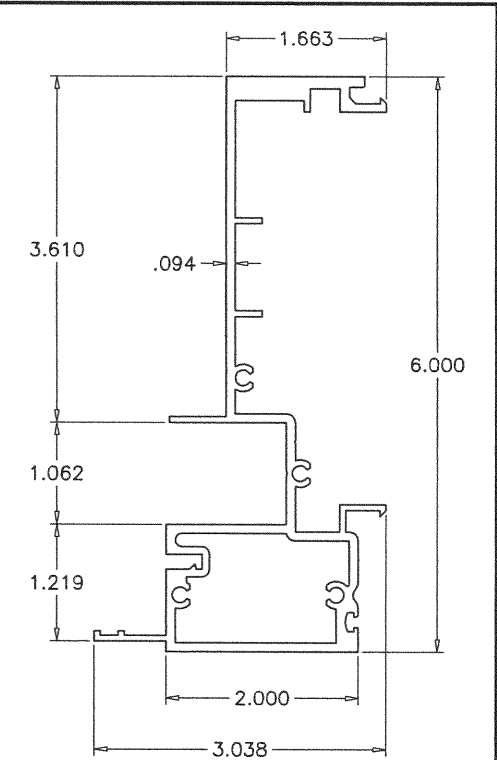
④ VENT TOP RAIL



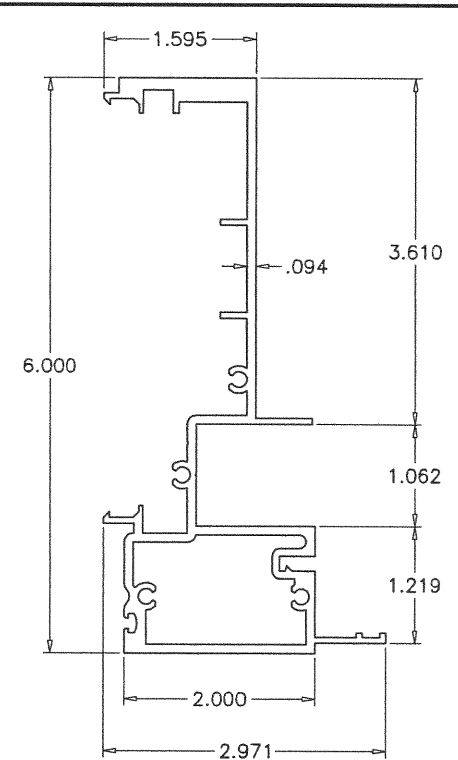
⑥ VENT BOTTOM RAIL



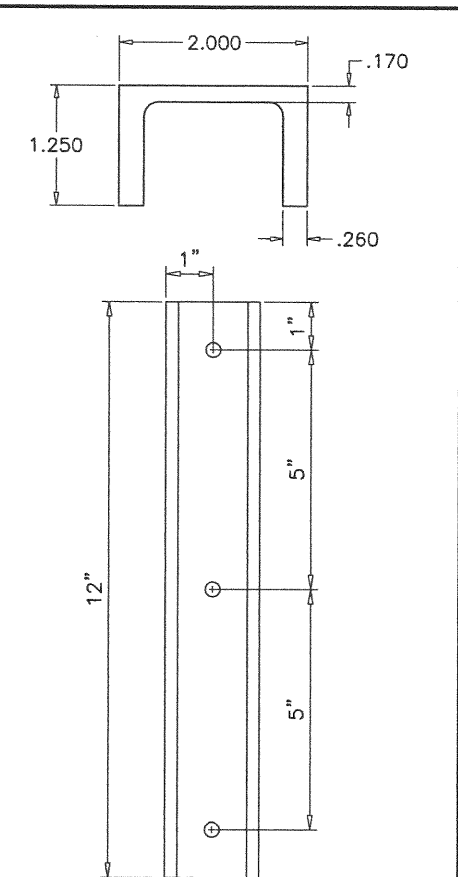
⑤ FRAME JAMB



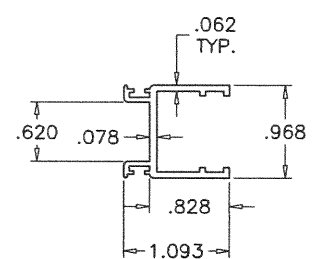
⑩ MALE MULLION



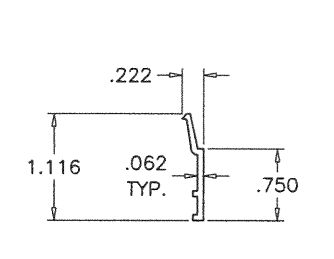
⑪ FEMALE MULLION



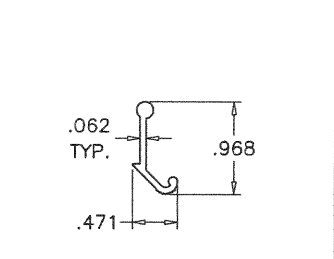
④① ANCHOR CHANNEL



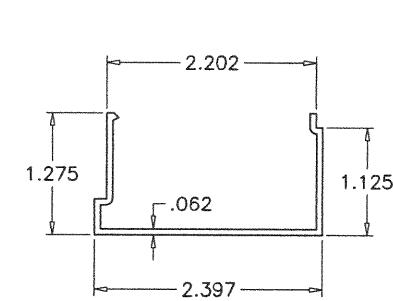
⑧ VENT SIDE RAIL



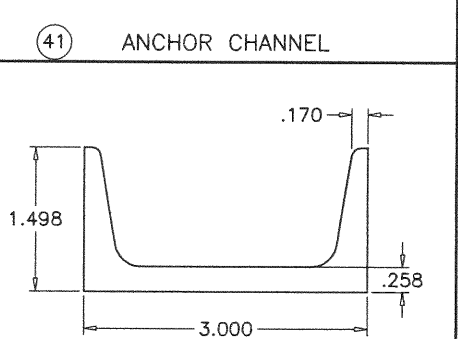
⑦ GLAZING BEAD



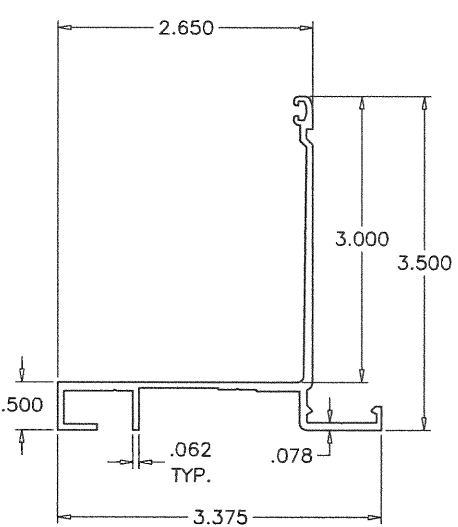
⑫ VENT LATCH



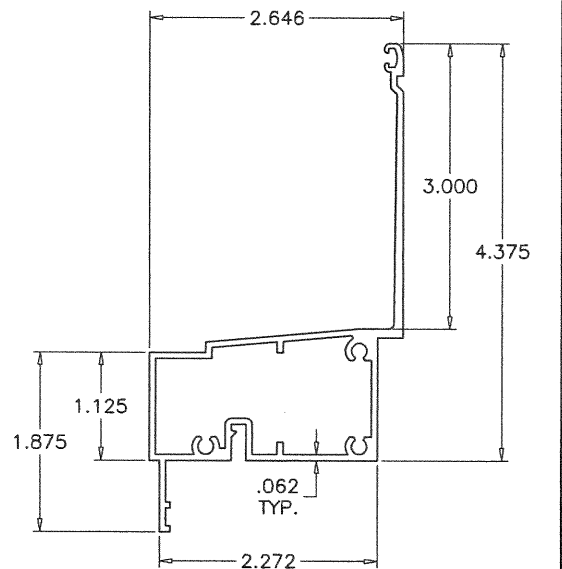
⑭ FRAME COVER



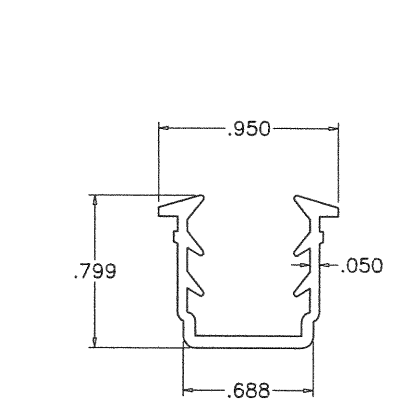
④② REINFORCING CHANNEL



② FRAME SILL



⑨ SILL MTG. RAIL W/ FIXED BOTTOM



HARDNESS = 70±5 SHORE A
TENSILE STRENGTH (100% STRAIN)= 2000 PSI
ELONGATION AT BREAK = 600%
TEAR STRENGTH = 387 LBF/IN
SPECIFIC GRAVITY = 1.9

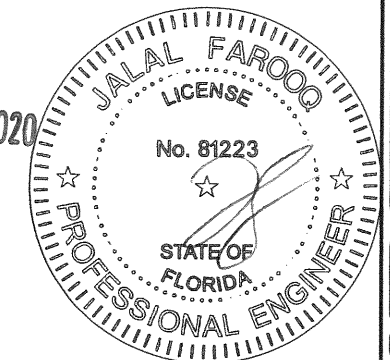
②① GLAZING GASKET
SCALE 1:1

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sheet 10 of 10