MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

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

NOTICE OF ACCEPTANCE (NOA)

Universal Impact Windows & Doors, Inc.
1675 West 31st Place
Hialeah, FL 33012

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 "Rebecca" Aluminum Horizontal Sliding Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W99-63,** titled "S-Rebecca Coastal Horiz. Sliding Wdw. (L.M.I.)", sheets 1 through 7 of 7, dated 09/01/99, with revision **I** dated 01/08/21, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA No. 18-0319.12** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

4/6/21

NOA No. 21-0114.05
Expiration Date: May 12, 2023
Approval Date: April 15, 2021

Universal Impact Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA# 99-1116.04 & NOA# 03-0601.01)

2. Drawing No **W99-63**, titled "S-Rebecca Coastal Horiz. Sliding Wdw. (L.M.I.)", sheets 1 through 7 of 7, dated 09/01/99, with revision **H** dated 11/06/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 18-0319.12)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an OXO aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5260**, dated 07/02/07, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under NOA No. 08-0506.08)

2. Test reports on: 1) Air Infiltration Test, per TAS 202-94
2) Uniform Static Air Pressure Test, Loading per TAS 202-94
3) Water Resistance Test, per TAS 202-94
4) Large Missile Impact Test, per TAS 201-94
5) Cyclic Wind Pressure Loading, per TAS 203-94
6) Forced Entry Test, per TAS 202-94
along with marked-up drawings and installation diagram of an OX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2308**, dated 07/15/99, witnessed by the late Gilbert Diamond, P.E., reviewed, signed and sealed by Jose D. Mitrani, P.E. Test report was further reviewed and revised by addendum letter dated 04/18/2000, signed and sealed by Aldo P. Gonzalez, P.E. ***(Submitted under NOA No. 99-1116.04 & NOA No. 03-0601.01)***
(Test conducted per PA201, 202, &203-94, now classified as TAS201, 202, 203-94.)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, dated 10/20/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 18-0319.12)

2. Glazing complies with **ASTM E1300-09**

Manuel Perez, P.E.
Product Control Examiner
NOA No. 21-0114.05
Expiration Date: May 12, 2023
Approval Date: April 15, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

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.

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

4. Notice of Acceptance No. **16-0208.12** issued to Polymer Extrusion Technology, Inc. dba Glasslam for their **"Glasslam Safety-Plus II Glass Interlayer**" dated 06/16/16, expiring on 08/07/18.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, and of no financial interest, dated October 20, 2017, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 18-0319.12)

G. OTHERS

1. Notice of Acceptance No. **16-0706.13**, issued to Universal Impact Windows & Doors, Inc. for their Series Rebecca Aluminum Horizontal Sliding Window – Impact., approved on 07/28/16 and expiring on 05/12/18.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 21-0114.05
Expiration Date: May 12, 2023
Approval Date: April 15, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No **W99-63**, titled "S-Rebecca Coastal Horiz. Sliding Wdw. (L.M.I.)", sheets 1 through 7 of 7, dated 09/01/99, with revision **I** dated 01/08/21, 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 10/20/17 and updated on 11/26/20 to comply with **FBC 7th Edition (2020)**, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer**" dated 05/23/19, expiring on 05/23/24.

2. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 05/09/19, expiring on 07/08/24.

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

4. Notice of Acceptance No. **18-0619.01** issued to **Polymer Extrusion Technology, Inc.** dba Glasslam for their **"Glasslam Safety-Plus II Glass Interlayer**" dated 07/26/18, expiring on 08/07/23.

F. STATEMENTS

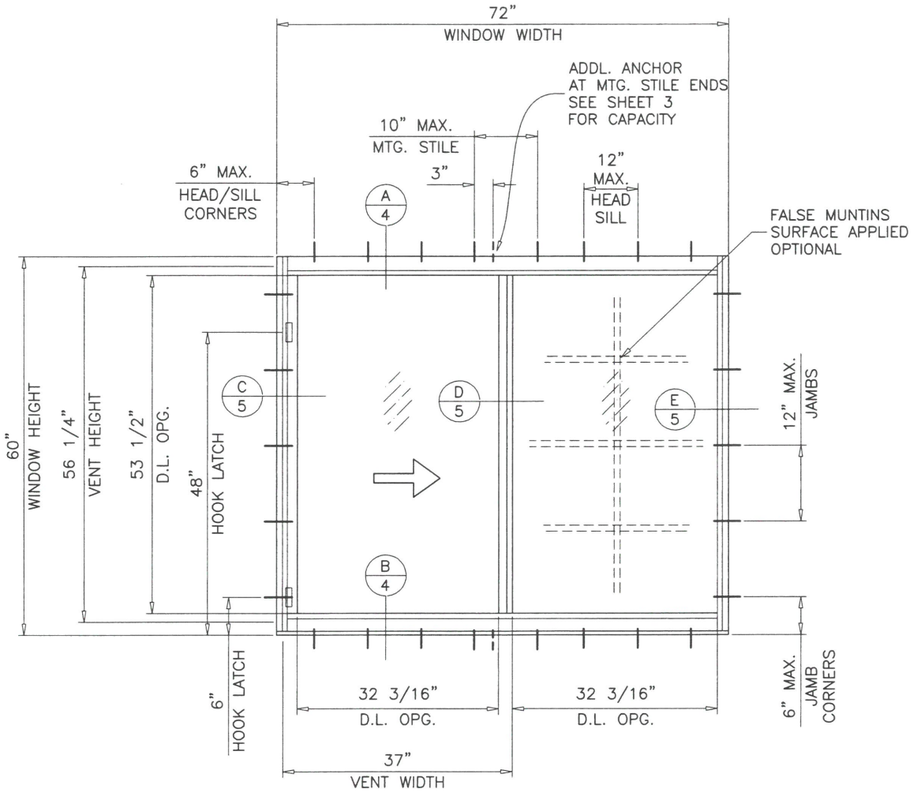
1. Statement letter of conformance, complying with **FBC 6th Edition (2017),** with **FBC 7th Edition (2020)** and of no financial interest, dated November 26, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

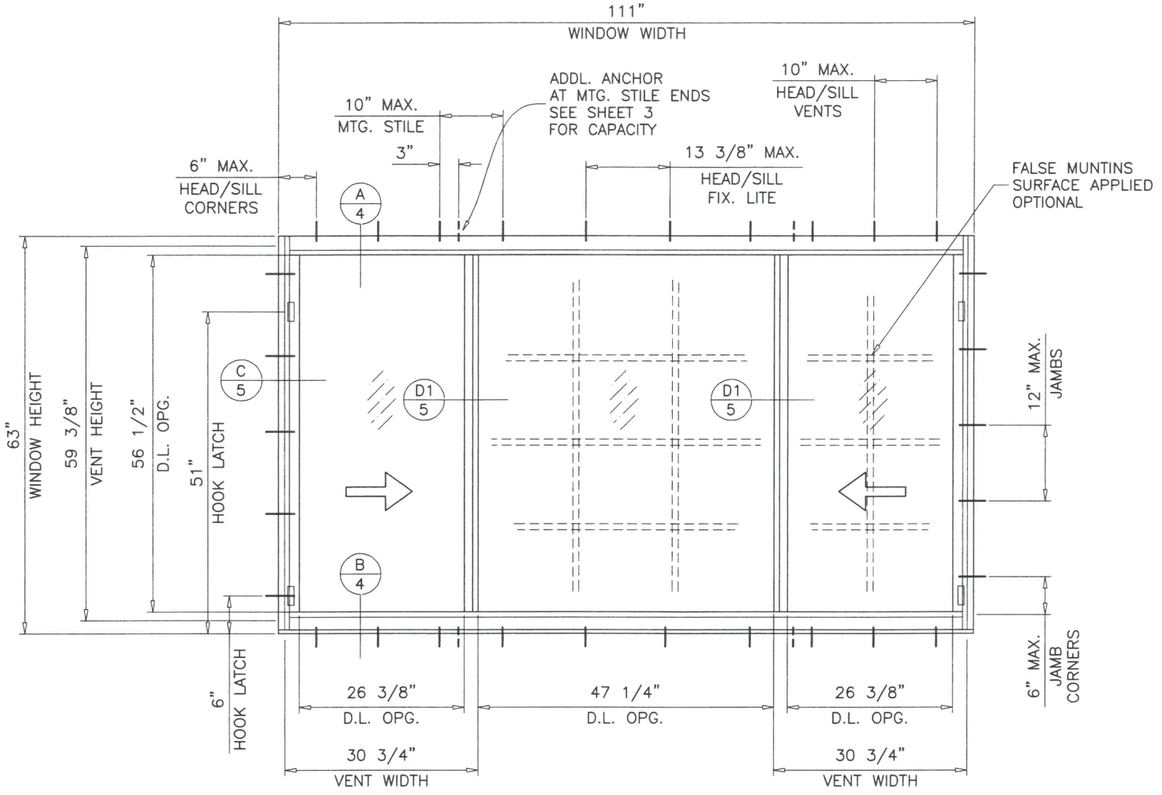
G. OTHERS

1. Notice of Acceptance No. **18-0319.12**, issued to Universal Impact Windows & Doors, Inc. for their Series Rebecca Aluminum Horizontal Sliding Window – Impact., approved on 05/12/23 and expiring on 05/24/18.

Manuel Perez

Manuel Perez, P.E.
Product Control Examiner
NOA No. 21-0114.05
Expiration Date: May 12, 2023
Approval Date: April 15, 2021





TYPICAL ELEVATIONS

SERIES REBECCA COASTAL
ALUMINUM HORIZONTAL SLIDING WINDOW

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

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

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

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

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

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

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

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

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

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0114.05
Expiration Date: 05/12/2023
By: Manuel Perez
Miami–Dade Product Control

JAN 1 1 2021

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

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

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\W99–63UW

S–REBECCA COASTAL HORIZ. SLIDING WDW. (L.M.I.)

Universal Impact Windows & Doors, Inc.
1675 West 31st Place
Hialeah, Florida 33012
Tel. (305) 825–7900 Fax (305) 825–5805

revisions:

no	date	by	description
E	02.27.12		UPDATED TO 2010 FBC
F	01.22.15		UPDATED TO 2014 FBC
G	07.22.16		REV. PER RER COMMENTS
H	11.06.17		UPDATED TO 2017 FBC
i	01.08.21		UPDATED TO 2020 FBC

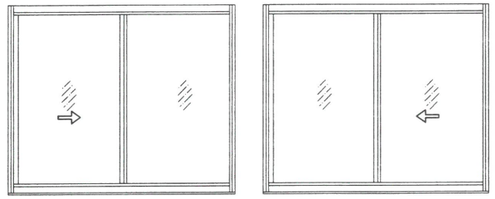
date: 09–01–99
scale: 1/2"=1'–0"
dr. by: TARIQ
chk. by:

drawing no. W99–63

sheet 1 of 7

DESIGN LOAD CAPACITY – PSF (XO OR OX SIZES)						
WINDOW DIMS.		A	GLASS TYPE 'A'		GLASS TYPE 'B'	
WIDTH	HEIGHT		EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
26–1/2"	26"	3	100.0	150.0	100.0	150.0
37"		4	100.0	150.0	100.0	150.0
53–1/8"		6	100.0	150.0	100.0	150.0
74"		8	100.0	150.0	100.0	150.0
26–1/2"	38–3/8"	3	100.0	150.0	100.0	150.0
37"		4	100.0	150.0	100.0	150.0
53–1/8"		6	100.0	150.0	100.0	150.0
74"		8	100.0	127.3	100.0	150.0
26–1/2"	50–5/8"	3	100.0	150.0	100.0	150.0
37"		4	100.0	150.0	100.0	150.0
53–1/8"		6	100.0	114.1	100.0	125.1
74"		8	85.6	85.6	100.0	106.9
53–1/8"	50–5/8"	* 7	–	–	100.0	150.0
74"		* 9	–	–	100.0	136.3
26–1/2"	63"	3	100.0	150.0	100.0	150.0
37"		4	100.0	119.5	100.0	119.5
53–1/8"		6	87.8	87.8	90.7	90.7
26–1/2"	63"	* 5	100.0	150.0	100.0	150.0
37"		* 4	–	–	100.0	122.7
24"	24"	2	100.0	150.0	100.0	150.0
36"		4	100.0	150.0	100.0	150.0
48"		6	100.0	150.0	100.0	150.0
60"		6	100.0	150.0	100.0	150.0
72"		8	100.0	150.0	100.0	150.0
24"	36"	2	100.0	150.0	100.0	150.0
36"		4	100.0	150.0	100.0	150.0
48"		6	100.0	150.0	100.0	150.0
60"		6	100.0	150.0	100.0	150.0
72"		8	100.0	140.1	100.0	150.0
24"	48"	2	100.0	150.0	100.0	150.0
36"		4	100.0	150.0	100.0	150.0
48"		6	100.0	135.2	100.0	144.4
60"		6	100.0	111.9	100.0	127.8
72"		8	97.9	97.9	100.0	119.1
24"	48"	* 3	–	–	100.0	150.0
36"		* 5	–	–	100.0	150.0
48"		* 7	–	–	100.0	150.0
60"		* 7	–	–	100.0	150.0
72"		* 9	–	–	100.0	150.0
24"	60"	2	100.0	136.7	100.0	136.7
36"		4	100.0	130.1	100.0	130.1
48"		6	100.0	104.3	100.0	104.3
60"		6	81.5	81.5	89.7	89.7
72"		8	71.3	71.3	80.8	80.8
24"	60"	* 3	100.0	150.0	100.0	150.0
36"		* 5	100.0	150.0	100.0	150.0
48"		* 7	100.0	105.3	100.0	140.6
60"		* 7	–	–	100.0	120.0
72"		* 9	–	–	100.0	107.1

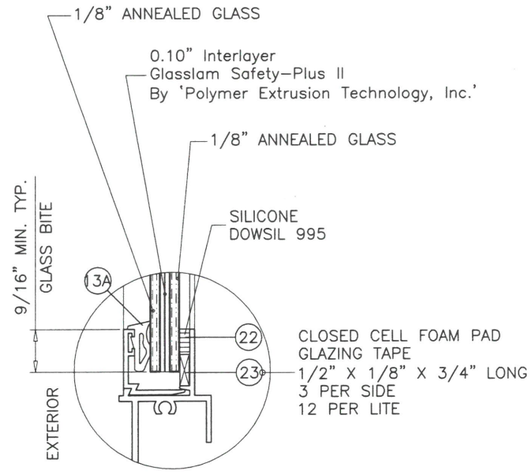
A = NO. OF ANCHORS PER HEAD & SILL
* = ADDL. ANCHOR AT MTG. STILE ENDS



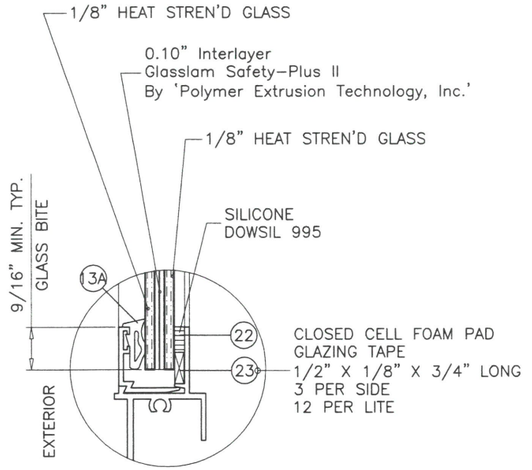
APPROVED CONFIGURATIONS

GLASS WIDTHS TO BE EQUAL ON MOVING AND FIXED LITES

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

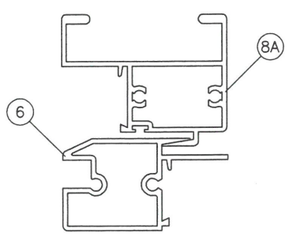


GLASS TYPE 'A'



GLASS TYPE 'B'

ALL EXTERIOR(+) LOADS SHOWN ON THIS SHEET ARE FOR WINDOWS WITH APPLIED RISER AT FRAME SILL
FOR STD. SILL (NO RISER) LIMIT EXTERIOR(+) LOADS TO 60.0 PSF
SEE DETAIL ON SHEET 4.



HEAVY DUTY MTG. STILES

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0114.05
Expiration Date: 05/12/2023
By: Manuel Perez
Miami–Dade Product Control

JAN 1 1 2021

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

afc

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\W99–63UW

S–REBECCA COASTAL HORIZ. SLIDING WDW. (L.M.I.)

Universal Impact Windows & Doors, Inc.
1675 West 31st Place
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revisions:

no	date	by	description
E	02.27.12		UPDATED TO 2010 FBC
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G	07.22.16		REV. PER RER COMMENTS
H	11.06.17		UPDATED TO 2017 FBC
I	01.08.21		UPDATED TO 2020 FBC

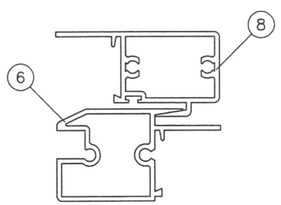
date: 09–01–99
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W99–63

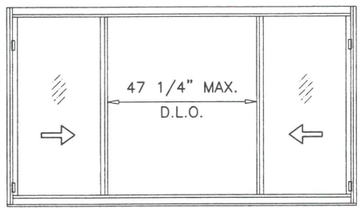
sheet 2 of 7

DESIGN LOAD CAPACITY – PSF (XOX SIZES)				
WINDOW DIMS.		A	GLASS TYPES 'C', 'D', 'E' & 'F'	
WIDTH	HEIGHT		EXT.(+)	INT.(–)
74"	26"	8	90.0	110.0
106–1/4"		10	90.0	110.0
111"		10	90.0	110.0
74"	38–3/8"	8	90.0	110.0
106–1/4"		10	90.0	110.0
111"		10	90.0	110.0
74"	50–5/8"	8	90.0	110.0
106–1/4"		10	90.0	110.0
111"		10	90.0	110.0
74"	63"	8	90.0	91.1
106–1/4"		10	75.3	75.3
111"		10	74.1	74.1
74"	63"	* 10	90.0	110.0
106–1/4"		* 12	90.0	110.0
111"		* 12	90.0	110.0
72"	24"	7	90.0	110.0
84"		8	90.0	110.0
96"		10	90.0	110.0
108"		10	90.0	110.0
72"	36"	7	90.0	110.0
84"		8	90.0	110.0
96"		10	90.0	110.0
108"		10	90.0	110.0
72"	48"	7	90.0	110.0
84"		8	90.0	110.0
96"		10	90.0	110.0
108"		10	90.0	110.0
72"	60"	7	90.0	99.6
84"		8	90.0	91.1
96"		10	85.3	85.3
108"		10	81.6	81.6
72"	60"	* 9	90.0	110.0
84"		* 10	90.0	110.0
96"		* 12	90.0	110.0
108"		* 12	90.0	110.0

A = NO. OF ANCHORS PER HEAD & SILL
* = ADDL. ANCHOR AT MTG. STILE ENDS

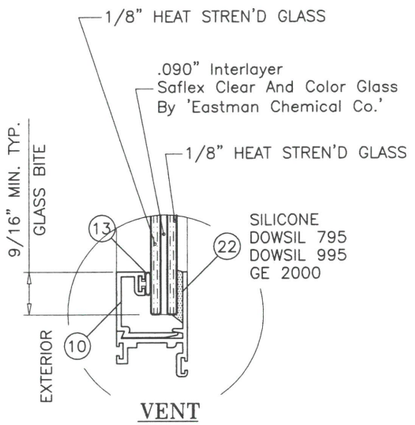


STD. MTG. STILES



OPERATING VENTS TO BE 1/4 TO 1/3 OF THE WINDOW WIDTH
WITH MAX. D.L.O. WIDTH AT FIXED LITE AS SHOWN ABOVE.

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



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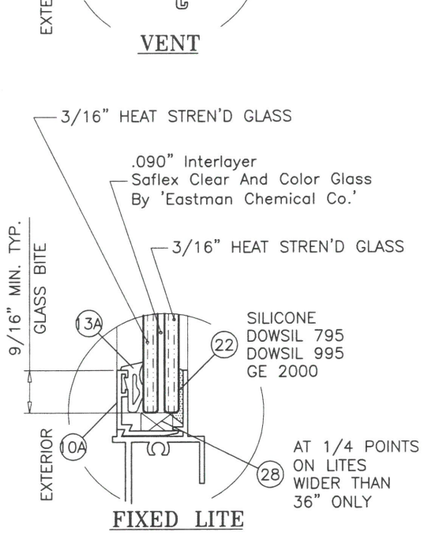
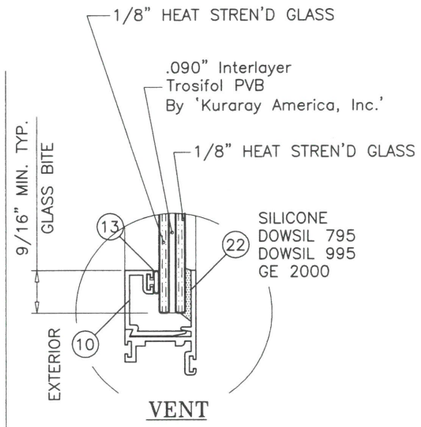
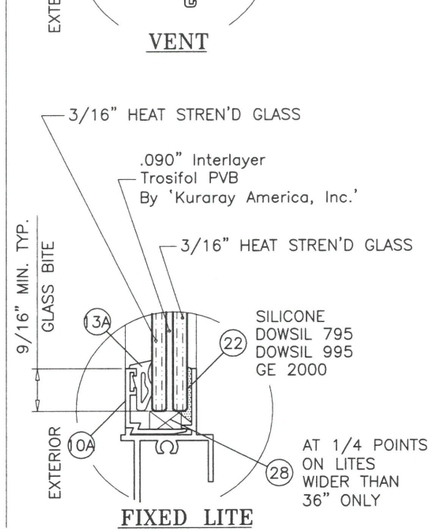


FIXED LITE

GLASS TYPE 'C'

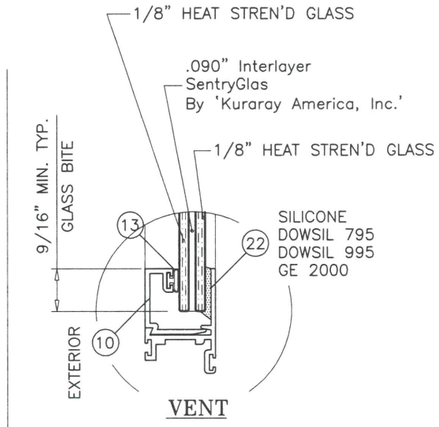


VENT



FIXED LITE

GLASS TYPE 'D'



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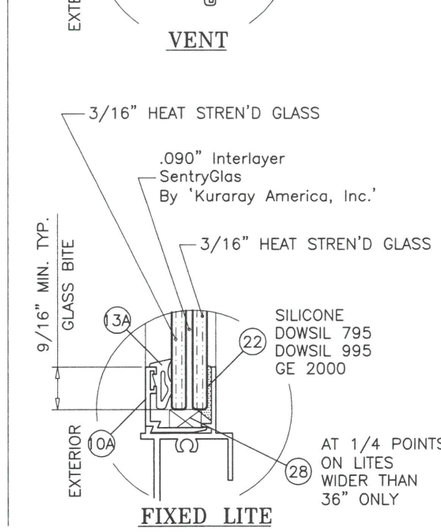
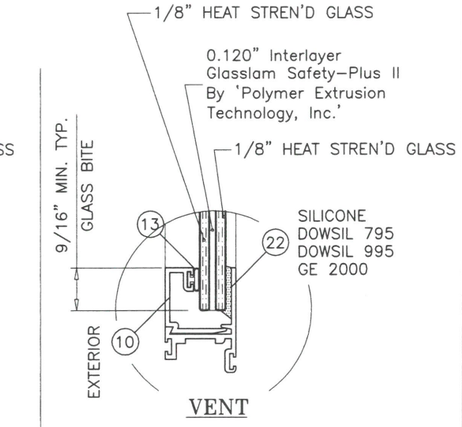
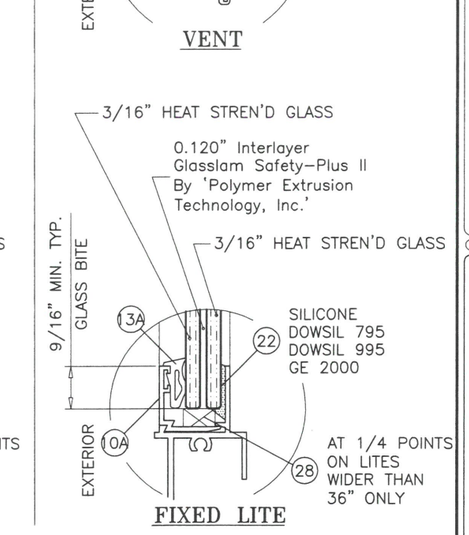


FIXED LITE

GLASS TYPE 'E'



VENT



FIXED LITE

GLASS TYPE 'F'

PRODUCT REVISED
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NOA–No. 21-0114.05
Expiration Date: 05/12/2023
By: Manuel Perez
Miami–Dade Product Control

ALL EXTERIOR(+) LOADS SHOWN ON THIS SHEET ARE
FOR WINDOWS WITH APPLIED RISER AT FRAME SILL
FOR STD. SILL (NO RISER) LIMIT EXTERIOR(+) LOADS TO 60.0 PSF
SEE DETAIL ON SHEET 4.

JAN 1 1 2021

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

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\W99–63UW

S–REBECCA COASTAL HORIZ. SLIDING WDW. (L.M.I.)

Universal Impact Windows & Doors, Inc.
1675 West 31st Place
Hialeah, Florida 33012
Tel. (305) 825–7900 Fax (305) 825–5805

revisions:		
no	date	by description
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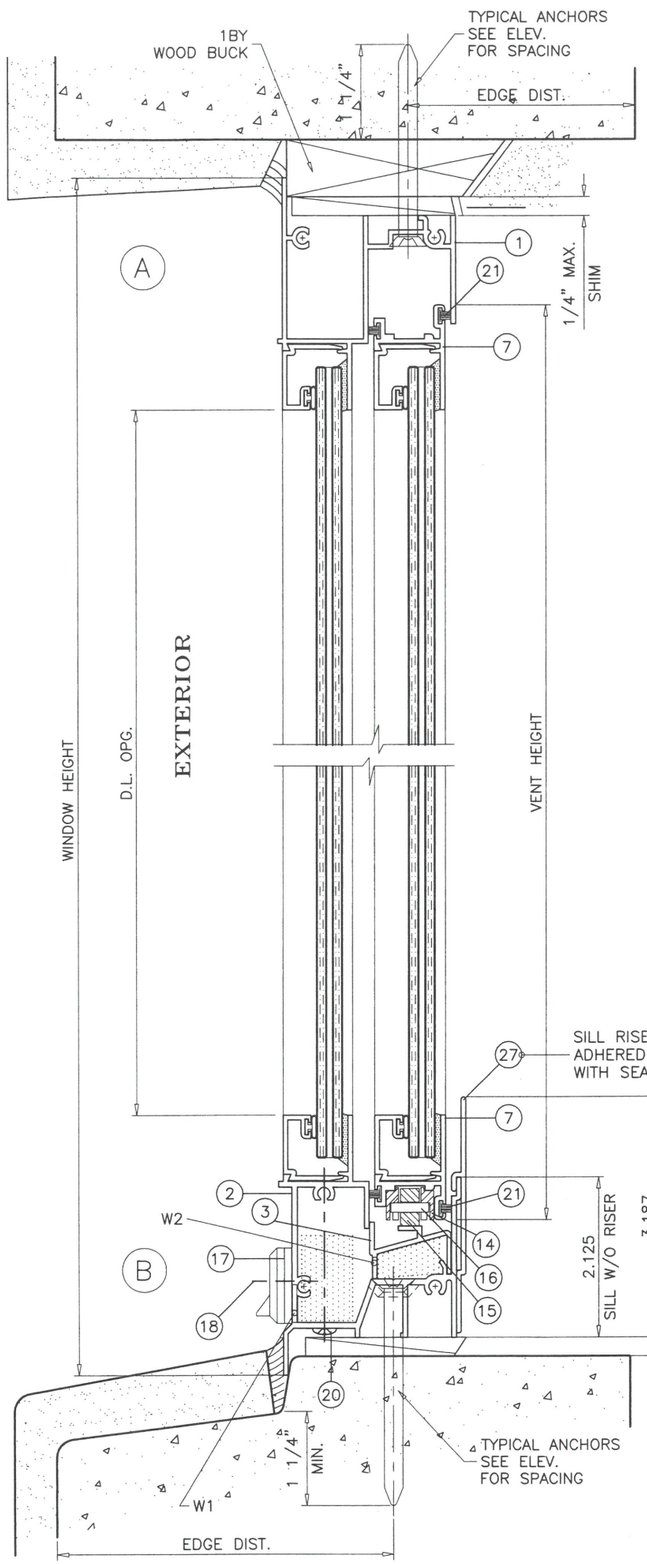
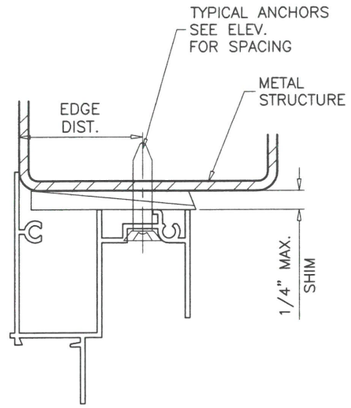
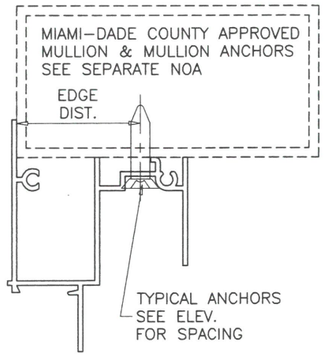
date: 09–01–99
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

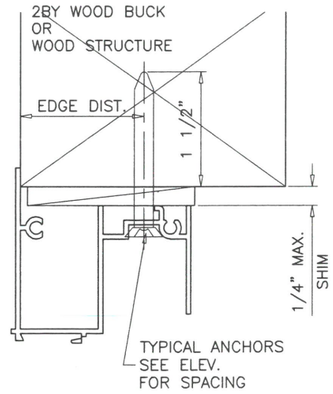
drawing no. W99–63

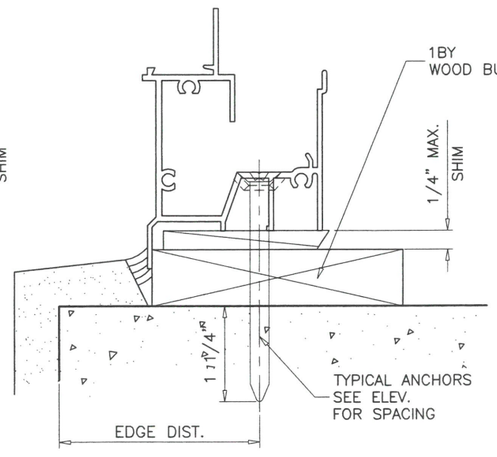
sheet 3 of 7











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

SEALANTS:

FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

WEEPHOLES:

W1 = (1 7/8" X 1/2" WEEPHOLES) AT 4" FROM EACH END WITH PLASTIC FLAP VALVE AND FOAM PADS

W2 = (1 7/8" X 5/16" WEEPHOLES) AT 4" FROM EACH END WITH FOAM PADS

W3 = (1 7/8" NOTCH) AT ONE END ONLY AT GLAZING LEG IN FRONT OF MOV. VENT

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

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

DIRECTLY INTO CONCRETE OR BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-3/4" MIN. EMBED INTO BLOCKS (JAMBS)

#12 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

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

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

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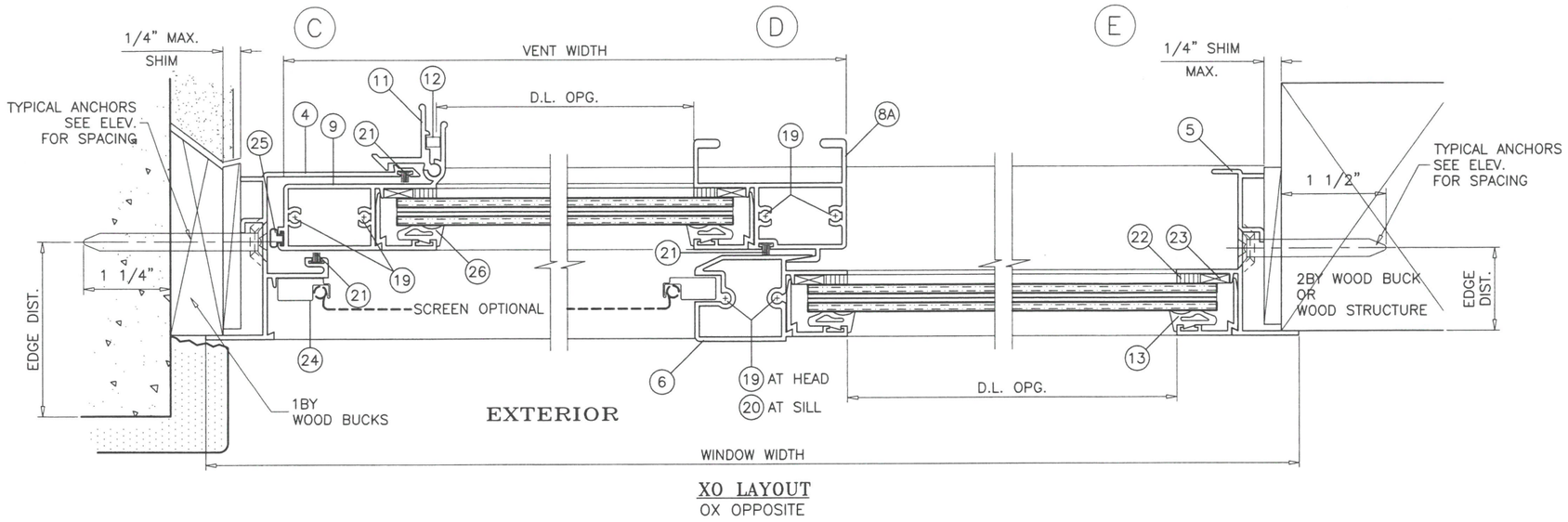
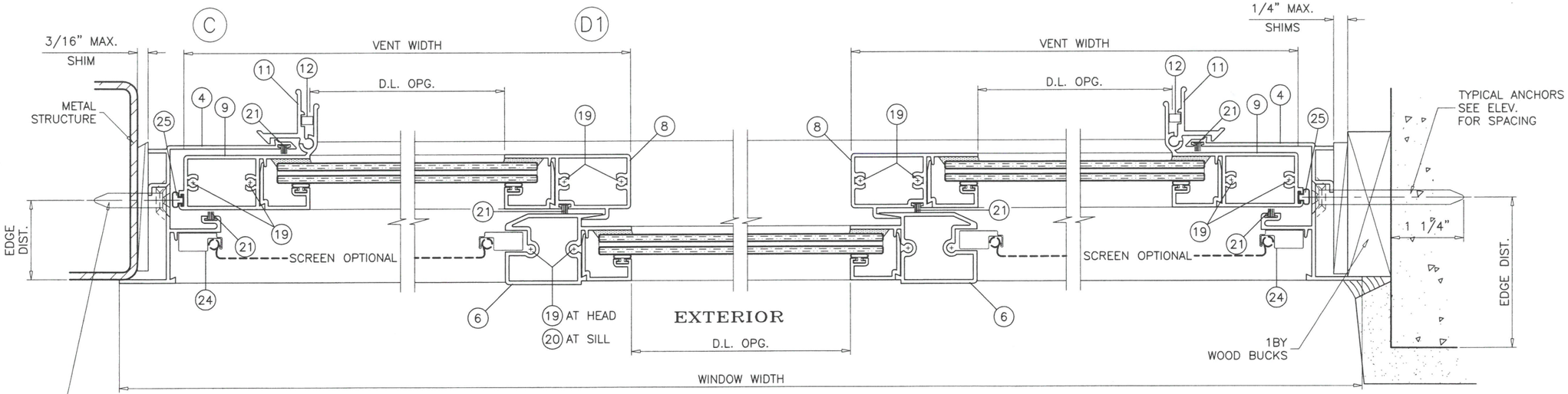
dr. by: TARIQ
chk. by:

drawing no. W99-63

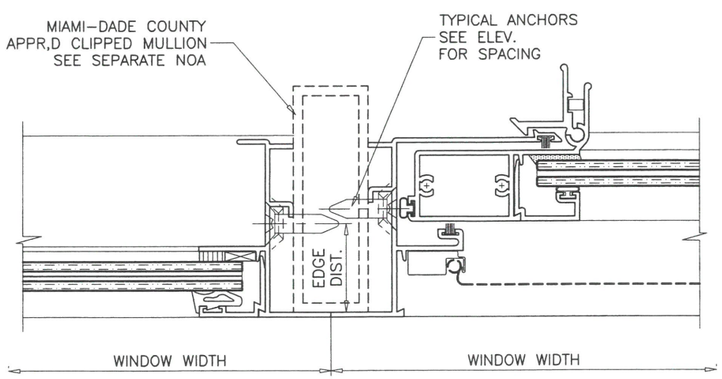
sheet 4 of 7



XO LAYOUT
OX OPPOSITE



XOX LAYOUT



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Miami-Dade Product Control

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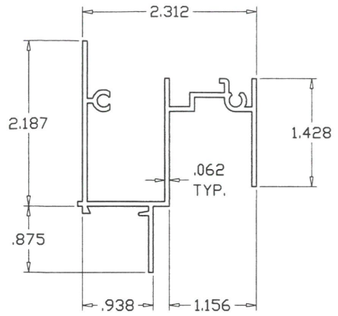
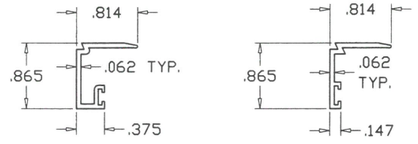
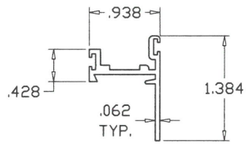
sheet 5 of 7



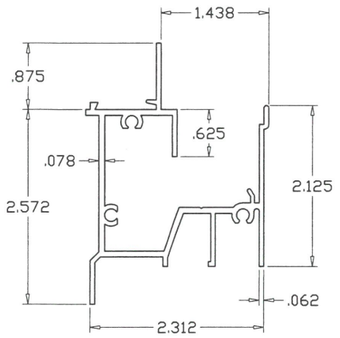
FRAME HEAD



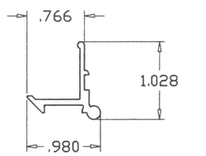
GLAZING BEADS



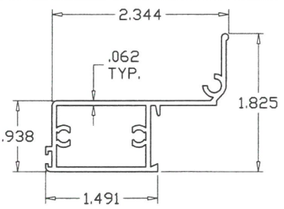
VENT TOP/BOTTOM RAIL



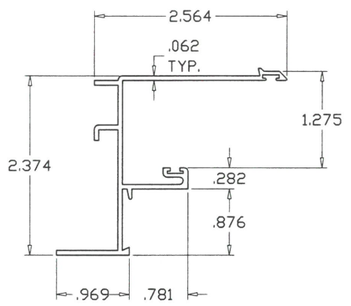
FRAME SILL



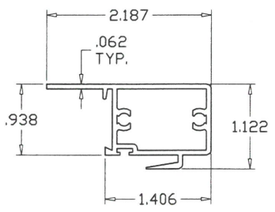
VENT LATCH



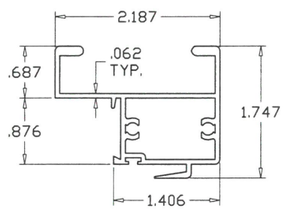
JAMB STILE



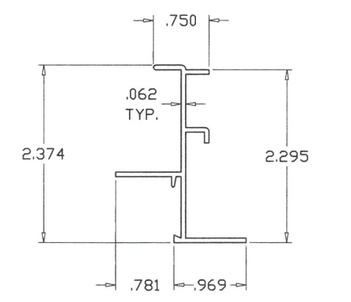
FRAME JAMB – VENT



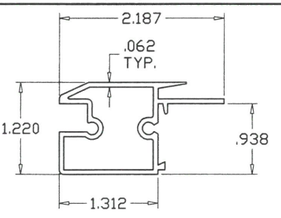
STD. MEETING RAIL
(XOX)



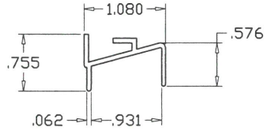
H.D. MEETING RAIL
(XO, OX)



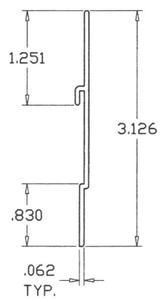
FRAME JAMB – FIXED



FIXED MTG. RAIL



SILL TRACK



SILL RISER

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	U–5003	1	FRAME HEAD	6063–T6	–
2	U–6001	1	FRAME SILL	6063–T6	–
3	U–2003	1	SILL TRACK	6063–T5	–
4	U–6003	1	FRAME JAMB – VENT	6063–T5	–
5	U–5001	1	FRAME JAMB – FIXED	6063–T6	–
6	U–5004	1/VENT	FIXED MTG. RAIL	6063–T6	–
7	U–5007	2/VENT	VENT TOP & BOTT. RAIL	6063–T5	–
8	U–5005	1/VENT	STD. MEETING RAIL	6063–T6	–
8A	U–5009	1/VENT	HEAVY DUTY MEETING RAIL	6063–T6	–
9	U–5006	1/VENT	VENT JAMB STILE	6063–T5	–
10	UA–47512	AS RQD.	GLAZING BEAD (3/8" GLASS)	6063–T6	–
10A	UA–5008	AS RQD.	GLAZING BEAD (7/16" GLASS)	6063–T6	–
11	AX–3450	2/ VENT	EXTRUDED HOOK LATCH, 3" LONG	6063–T5	AT 6" & 48" FROM BOTTOM
12	U–5010	1/LATCH	LEAF SPRING	ST. STEEL	–
13	–	AS REQD.	GLAZING BULB GASKET	VINYL	–
13A	PS–1127 E	AS REQD.	GLAZING WEDGE GASKET	VINYL	TREMCO OR EQUIV., DUROMETER 70±5 SHORE A
14	U–5504	2/PANEL	ROLLER HOUSING & GUIDE	NYLON	AT EACH END OF VENT
15	U–5505	2/PANEL	ROLLER	METALLIC	–
16	U–5506	2/PANEL	ROLLER SHAFT	ST. STEEL	–
17		2/WINDOW	BAFFLE	NYLON	–
18	–	2/BAFFLE	BAFFLE SCREWS	–	#6 x 1/2 SDS
19	–	AS RQD.	ASSY SCREWS	–	#10 x 1" PH SMS
20	–	2/VENT	FIXED RAIL SCREW–SILL	–	#10 x 2–3/4 PH SMS
21	7919–187	AS RQD.	FIN SEAL WEATHERSTIP	–	SCHLEGEL OR EQUIV.
22	–	AS RQD.	SILICONE BEAD	–	–
23	–	–	–	–	–
24	–	1/VENT	SCREEN	–	OPTIONAL
25	–	AS RQD.	JAMB STILE BULB WEATHERSTRIP	SOFT VINYL	–
26	–	1/ WEEP	OPEN CELL FOAM PAD	–	1–1/8" X 1–1/8" X 3" LONG
27	U–2001	1	SILL RISER	6063–T5	–
28	–	AS REQD.	SETTING BLOCKS	EPDM	DUROMETER 80±5 SHORE A

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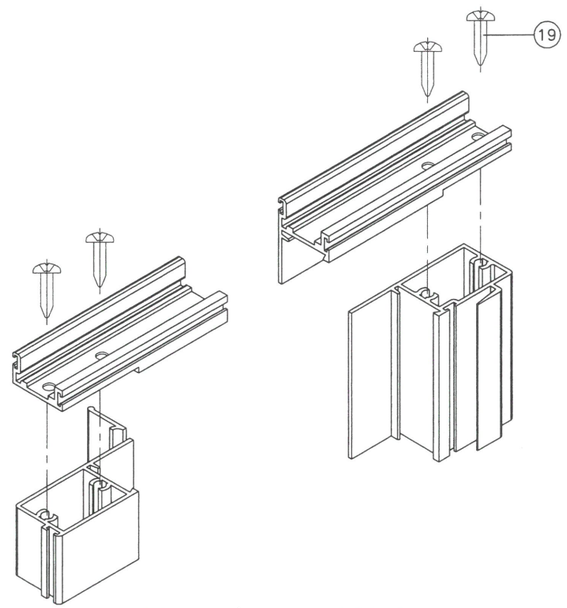
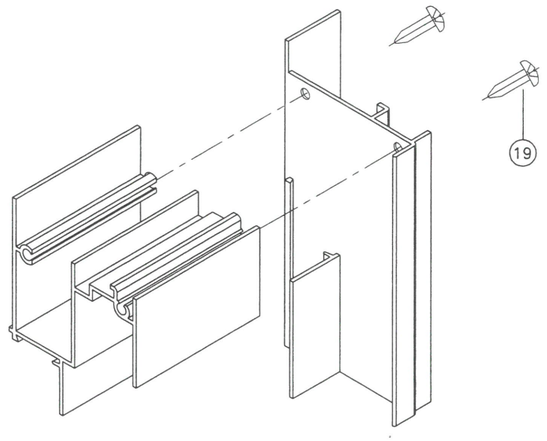
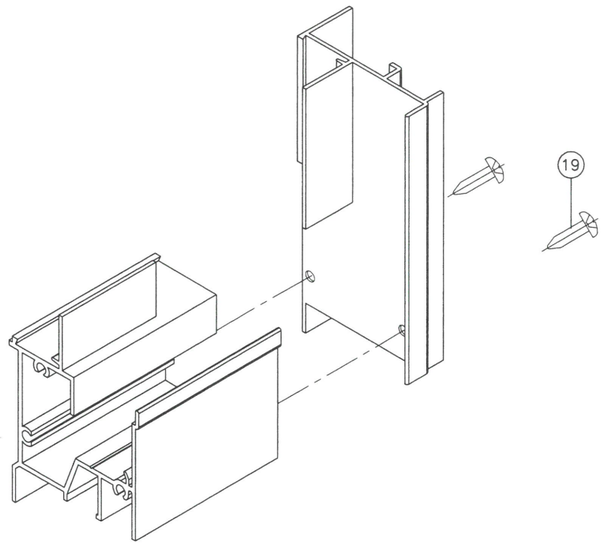
sheet 6 of 7



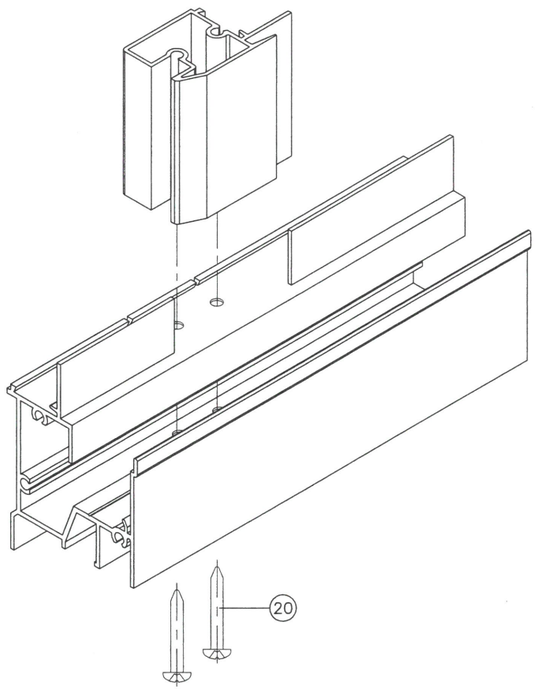
VENT TOP/BOTTOM CORNERS



FRAME TOP CORNER



FRAME BOTTOM CORNER



FIXED MTG. RAIL COPING

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revisions:

no	date	by	description
E	02.27.12		NO CHANGE THIS SHEET
F	01.22.15		NO CHANGE THIS SHEET
G	07.22.16		NO CHANGE THIS SHEET
H	11.06.17		UPDATED TO 2017 FBC
i	01.08.21		UPDATED TO 2020 FBC

date: 09-01-99
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no. W99-63

sheet 7 of 7