



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

NOTICE OF ACCEPTANCE (NOA)

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

www.miamidade.gov/building

New Age Windows & Doors Corp.
7196 NW 77 Terr
Medley, FL 33166

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 "HRW-300" Aluminum Horizontal Rolling Window – N.I.

APPROVAL DOCUMENT: Drawing No. **W99-80**, titled "Series HRW-300 Alum Horiz. Rolling Wdw. (N.I.)", sheets 1 through 6 of 6, dated 11/30/99, with revision **L** dated 06/07/23, 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: None

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.

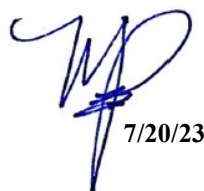
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 and renews** NOA No. **20-1103.12** 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.**




7/20/23

NOA No. 23-0710.12
Expiration Date: December 14, 2024
Approval Date: July 27, 2023
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. 00-0519.02)
2. Drawing No. **W99-80** titled "Series HRW-300 Alum Horiz. Rolling Wdw. (N.I.)", sheets 1 through 6 of 6, dated 11/30/99, with revision **K** dated 07/14/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-1103.12)

B. TESTS

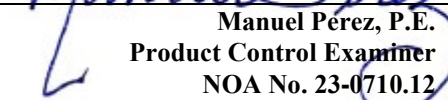
1. Test reports on: 1) Air Infiltration Test, 202-94
2) Uniform Static Air Pressure Test, 202-94
3) Water Resistance Test, 202-94
4) Forced Entry Test, 202-94
along with marked-up drawings and installation diagram of an aluminum sliding glass window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5670**, dated 08/08/08, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under NOA No. 08-0926.11)
2. Test reports on: 1) Air Infiltration Test, 202-94
2) Uniform Static Air Pressure Test, 202-94
3) Water Resistance Test, 202-94
4) Forced Entry Test, 202-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-2409, FTL-2412 and FTL-2413**, all dated 11/17/99, witnessed by Jose D. Mitrani, P.E. and Aldo P. Gonzales, P.E. , signed and sealed by Aldo P. Gonzales, P.E.
(Submitted under NOA No. 00-0519.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 08/06/14 and further updated on 09/02/20 to comply with **FBC 7th Edition (2020)**, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-1103.12)
2. Glazing complies with **ASTM E1300-09**.

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0710.12
Expiration Date: December 14, 2024
Approval Date: July 27, 2023

New Age Windows & Doors Corp.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

E. MATERIAL CERTIFICATIONS

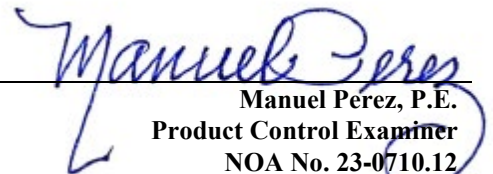
1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, with **FBC 7th Edition (2020)** and of no financial interest, dated September 02, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-1103.12)

G. OTHERS

1. Notice of Acceptance No. **17-1108.26**, issued to New Age Windows & Doors Corp. for their Series "HRW-300" Aluminum Horizontal Rolling Window – N.I., approved on 01/18/18 and expiring on 12/14/23.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0710.12

Expiration Date: December 14, 2024
Approval Date: July 27, 2023

New Age Windows & Doors Corp.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W99-80** titled “Series HRW-300 Alum Horiz. Rolling Wdw. (N.I.)”, sheets 1 through 6 of 6, dated 11/30/99, with revision **L** dated 06/07/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

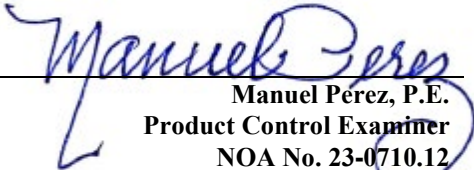
1. None.

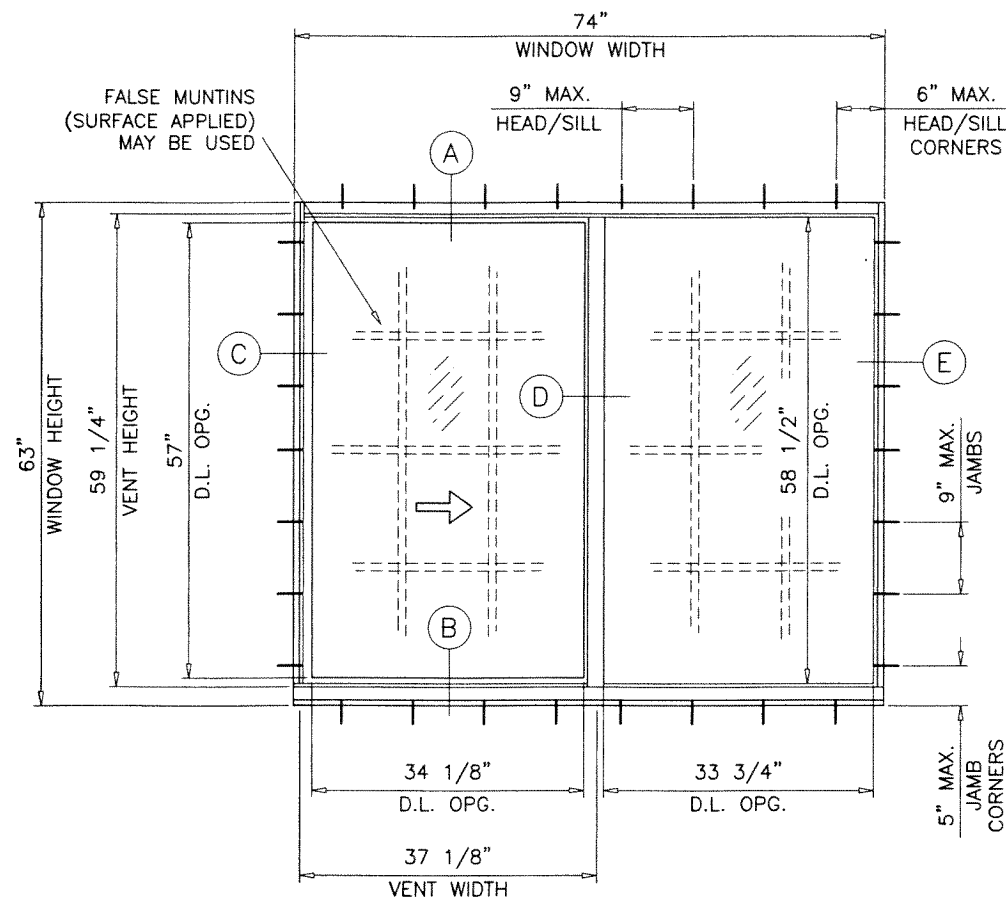
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, with **FBC 8th Edition (2023)** and of no financial interest, dated June 9, 2023, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Letter from manufacturer requesting a 1-year extension to allow time to perform verification test, dated June 9, 2023, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
3. Testing agreement letter dated June 20, 2023 between Qai Laboratories and New Age Windows and Doors, issued by Qai Laboratory, Inc. and signed by Lusinda Delgado, Technical Report Writer.

G. OTHERS

1. Notice of Acceptance No. **20-1103.12**, issued to New Age Windows & Doors Corp. for their Series “HRW-300” Aluminum Horizontal Rolling Window – N.I., approved on 02/11/21 and expiring on 12/14/23.
2. This is a one-year approval, subjected to successful verification test, the final approval will be issued for a total of 5 years.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0710.12
Expiration Date: December 14, 2024
Approval Date: July 27, 2023

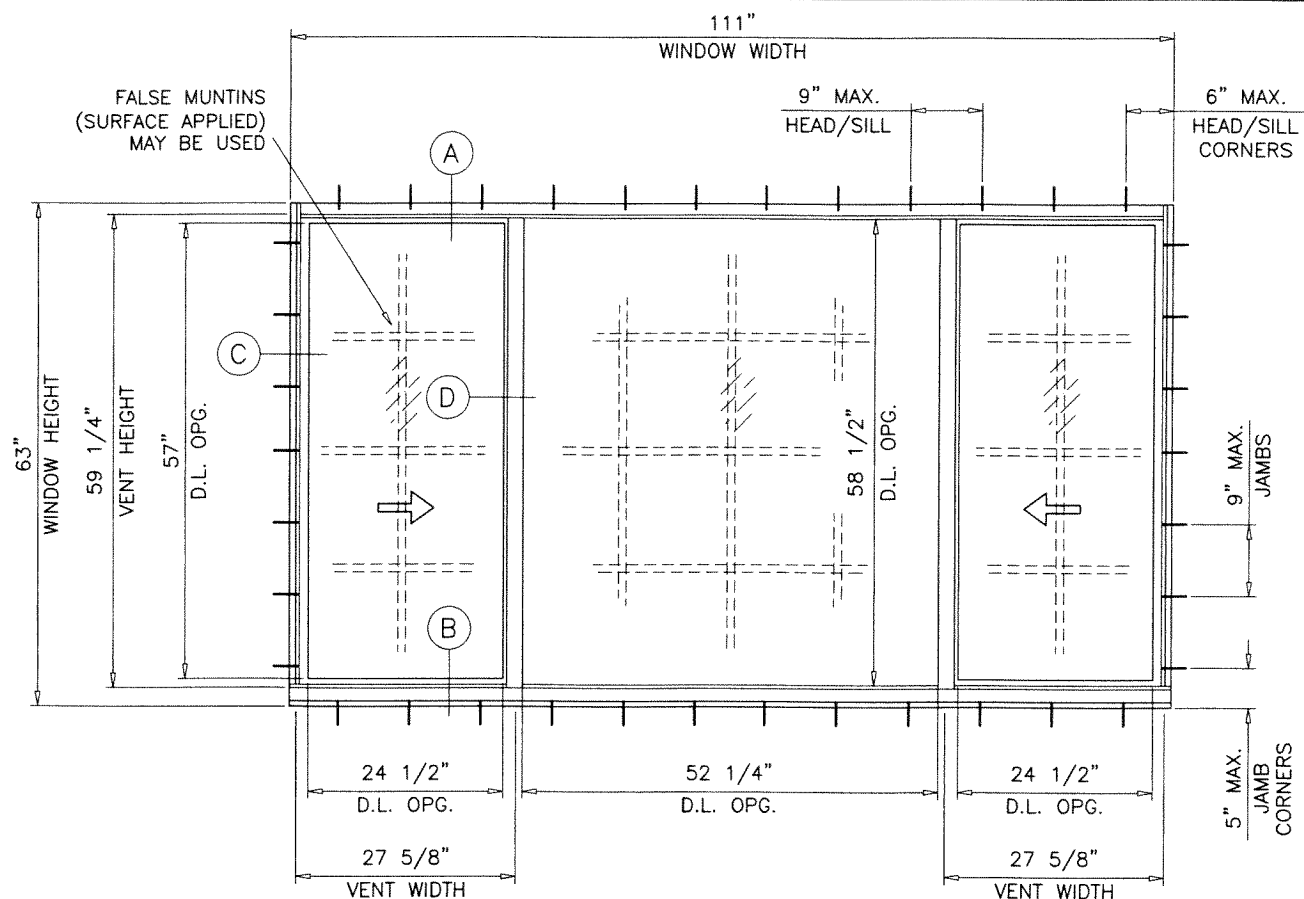


DAYLITE OPENINGS:

$$\text{DLO WIDTH} = \frac{\text{WINDOW WIDTH} - 6.125}{2} \text{ (FIXED \& VENT)}$$

$$\begin{aligned} \text{DLO HEIGHT} &= \text{WINDOW HEIGHT} - 4.562 \text{ (FIXED LITE)} \\ &= \text{WINDOW HEIGHT} - 5.938 \text{ (VENT.)} \end{aligned}$$

TYPICAL ELEVATIONS



DAYLITE OPENINGS:

$$\text{DLO WIDTH} = \frac{\text{WINDOW WIDTH} - 9.750}{2} \text{ (FIXED LITE)}$$

$$= \frac{\text{WINDOW WIDTH} - 9.750}{4} \text{ (VENT)}$$

$$\begin{aligned} \text{DLO HEIGHT} &= \text{WINDOW HEIGHT} - 4.562 \text{ (FIX. LITE)} \\ &= \text{WINDOW HEIGHT} - 5.938 \text{ (VENT.)} \end{aligned}$$

SERIES HRW-300

ALUMINUM HORIZONTAL ROLLING WDW.

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE

COMBINATIONS OF H.R./H.R. OR HORIZONTAL ROLLING WITH OTHER MIAMI-DADE COUNTY APPR'D 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)/2023 (8TH 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.

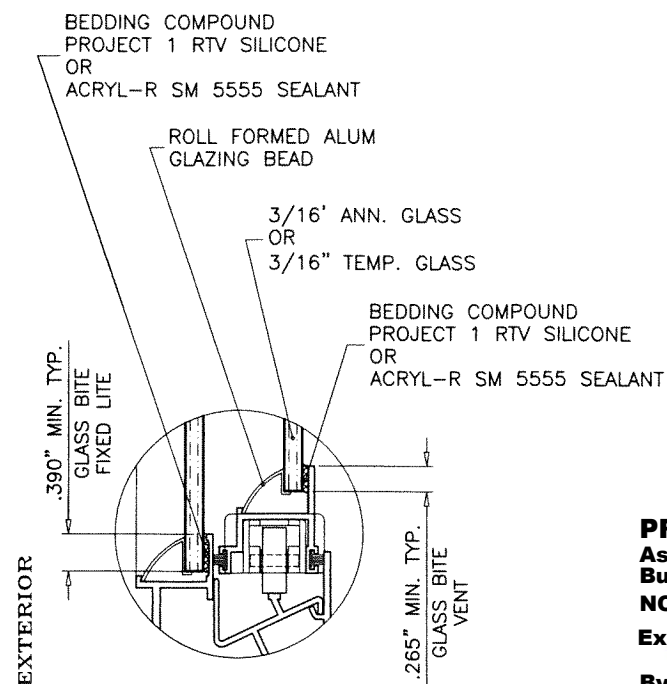
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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 2020/2023 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)'.



GLAZING DETAIL

INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.

INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

PRODUCT REVISED

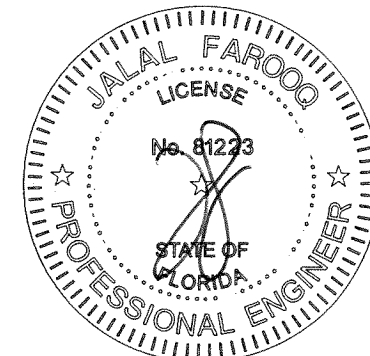
As complying with the Florida Building Code

NOA-No. 23-0710.12

Expiration Date: 12/14/2024

By: *Manuel Perez*
Miami-Dade Product Control

JUN 29 2023



SERIES HRW-300 ALUM HORIZ. ROLLING WDW. (N.I.)

New Age Windows & Doors Corp.

7196 N.W. 77TH TERRACE

MEDLEY, FL. 33166

TEL. (305) 889-0703 FAX. (305) 889-0710

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

COMP-ANL W99-80NA

revisions:	no	date	by	description
	I	08.08.14		UPDATED TO 2014 FBC
	J	10.12.17		UPDATED TO 2017 FBC
	K	07.14.20		UPDATED TO 2020 FBC
	L	06.07.23		UPDATED TO 2023 FBC

date:	11-30-99
scale:	1/2"=1'-0"
dr. by:	TARIQ
chk. by:	

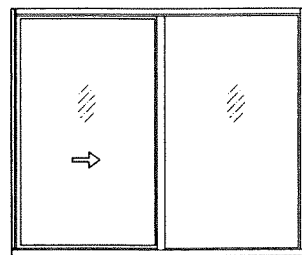
drawing no.

W99-80

sheet 1 of 6

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)								
WINDOW DIMS.		A	ANCHORS TYPE 'A'		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'	
			3/16" ANN. GLASS		3/16" TEMP. GLASS		3/16" TEMP. GLASS	
			EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
26-1/2"	26"	3	70.0	125.0	70.0	210.0	70.0	210.0
37"		4	70.0	120.2	70.0	153.9	70.0	153.9
53-1/8"		6	70.0	86.6	70.0	110.8	70.0	110.8
74"		8	70.0	86.6	70.0	110.8	70.0	110.8
26-1/2"	38-3/8"	3	70.0	125.0	70.0	194.8	70.0	194.8
37"		4	70.0	110.8	70.0	141.5	70.0	141.5
53-1/8"		6	70.0	79.0	70.0	101.1	70.0	101.1
74"		8	54.9	54.9	70.0	70.3	70.0	70.3
26-1/2"	50-5/8"	3	70.0	125.0	70.0	158.0	70.0	186.1
37"		4	70.0	102.7	70.0	121.0	70.0	131.2
53-1/8"		6	70.0	75.4	70.0	94.4	70.0	96.3
74"		8	54.7	54.7	70.0	70.0	70.0	70.0
26-1/2"	63"	3	70.0	121.0	70.0	121.0	70.0	151.5
37"		4	70.0	91.1	70.0	91.2	70.0	114.1
53-1/8"		6	60.7	60.7	69.1	69.1	70.0	86.4
74"		8	47.1	47.1	55.9	55.9	70.0	70.0
24"	24"	3	70.0	125.0	70.0	210.0	70.0	210.0
36"		4	70.0	124.3	70.0	159.0	70.0	159.0
48"		5	70.0	95.5	70.0	122.2	70.0	122.2
60"		7	70.0	95.5	70.0	122.2	70.0	122.2
72"		8	70.0	95.5	70.0	122.2	70.0	122.2
24"	36"	3	70.0	125.0	70.0	210.0	70.0	210.0
36"		4	70.0	115.9	70.0	148.0	70.0	148.0
48"		5	70.0	88.7	70.0	113.5	70.0	113.5
60"		7	68.9	68.9	70.0	88.2	70.0	88.2
72"		8	59.0	59.0	70.0	75.6	70.0	75.6
24"	48"	3	70.0	125.0	70.0	183.6	70.0	210.0
36"		4	70.0	106.7	70.0	132.7	70.0	136.3
48"		5	70.0	83.1	70.0	106.1	70.0	106.1
60"		7	68.9	68.9	70.0	88.2	70.0	88.2
72"		8	56.4	56.4	70.0	72.1	70.0	72.1
24"	60"	3	70.0	125.0	70.0	139.9	70.0	175.1
36"		4	70.0	98.6	70.0	99.2	70.0	124.1
48"		5	70.0	74.6	70.0	79.4	70.0	99.3
60"		7	55.8	55.8	68.1	68.1	70.0	82.7
72"		8	50.9	50.9	61.2	61.2	70.0	72.1

A = NO. OF ANCHORS PER HEAD & SILL
() = NO. OF ANCHORS PER JAMB

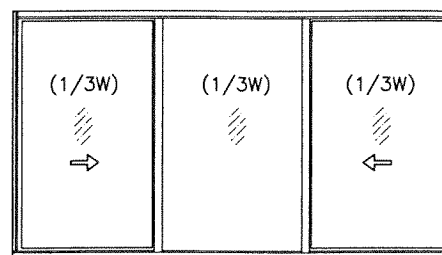


NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-0710.12**
Expiration Date: **12/14/2024**
By: *Manuel Perez*
Miami-Dade Product Control

DESIGN LOAD CAPACITY – PSF (XOX SIZES)						
WINDOW DIMS.		A	ANCHORS TYPE 'A'			
			3/16" ANN. GLASS		3/16" TEMP. GLASS	
WIDTH	HEIGHT		EXT.(+)	1NT.(–)	EXT.(+)	1NT.(–)
74"	26" (3)	8	70.0	86.7	70.0	86.7
106–1/4"		12	70.0	86.6	70.0	86.6
111"		12	70.0	86.6	70.0	86.6
74"	38–3/8" (4)	8	70.0	86.7	70.0	86.7
106–1/4"		12	57.7	57.7	57.7	57.7
111"		12	55.0	55.0	55.0	55.0
74"	50–5/8" (6)	8	70.0	80.3	70.0	80.3
106–1/4"		12	57.7	57.7	57.7	57.7
111"		12	55.0	55.0	55.0	55.0
74"	63" (6)	8	69.8	69.8	70.0	72.5
106–1/4"		12	47.7	47.7	56.5	56.5
111"		12	47.1	47.1	55.0	55.0
72"	24" (3)	8	70.0	95.5	70.0	95.5
84"		9	70.0	95.5	70.0	95.5
96"		11	70.0	95.5	70.0	95.5
108"		12	70.0	95.5	70.0	95.5
72"	36" (4)	8	70.0	89.5	70.0	89.5
84"		9	70.0	75.0	70.0	75.0
96"		11	64.6	64.6	64.6	64.6
108"		12	59.0	59.0	59.0	59.0
72"	48" (5)	8	70.0	83.6	70.0	83.6
84"		9	70.0	74.6	70.0	74.6
96"		11	64.6	64.6	64.6	64.6
108"		12	56.7	56.7	56.7	56.7
72"	60" (6)	8	70.0	75.8	70.0	78.3
84"		9	59.9	59.9	68.7	68.7
96"		11	53.6	53.6	62.0	62.0
108"		12	50.9	50.9	56.7	56.7

A = NO. OF ANCHORS PER HEAD & SILL
() = NO. OF ANCHORS PER JAMB

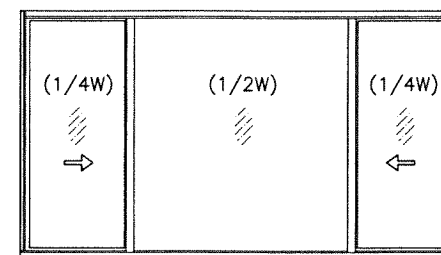


OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

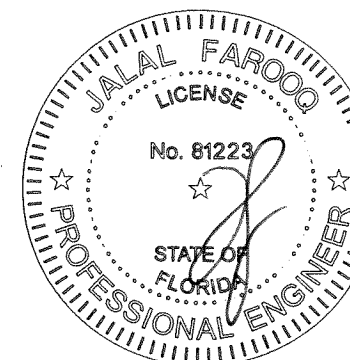
ALL EXTERIOR(+) LOADS SHOWN ON THIS SHEET ARE FOR WINDOWS
WITH APPLIED RISER AT FRAME SILL.
FOR STD. SILL (NO RISER) LIMIT EXTERIOR(+) LOADS TO 56.7 PSF
SEE DETAIL ON SHEET 3.

DESIGN LOAD CAPACITY – PSF (XOX SIZES)								
WINDOW DIMS.		A	ANCHORS TYPE 'A'					
			3/16" ANN. GLASS AT VENTS AND FIX. LITE	3/16" ANN. GLASS AT VENTS		3/16" TEMP. GLASS AT VENTS AND FIX. LITE		
				3/16" TEMP. GLASS AT FIX. LITE				
WIDTH	HEIGHT		EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
74"	26" (3)	8	70.0	111.2	70.0	111.2	70.0	111.2
106–1/4"		12	70.0	80.5	70.0	95.3	70.0	95.3
111"		12	70.0	77.2	70.0	94.0	70.0	94.0
74"	38–3/8" (4)	8	70.0	84.9	70.0	89.5	70.0	89.5
106–1/4"		12	59.8	59.8	70.0	72.3	70.0	72.3
111"		12	56.6	56.6	70.0	70.6	70.0	70.6
74"	50–5/8" (6)	8	64.5	64.5	70.0	75.9	70.0	75.9
106–1/4"		12	48.5	48.5	62.4	62.4	62.4	62.4
111"		12	47.1	47.1	62.4	62.4	62.4	62.4
74"	63" (6)	8	47.9	47.9	68.2	68.2	68.2	68.2
106–1/4"		12	41.0	41.0	56.1	56.1	56.1	56.1
111"		12	39.6	39.6	55.0	55.0	55.0	55.0
72"	24" (3)	8	70.0	118.9	70.0	118.9	70.0	118.9
84"		9	70.0	110.7	70.0	110.7	70.0	110.7
96"		11	70.0	101.1	70.0	105.5	70.0	105.5
108"		12	70.0	91.0	70.0	101.9	70.0	101.9
72"	36" (4)	8	70.0	91.9	70.0	92.3	70.0	92.3
84"		9	70.0	80.9	70.0	87.7	70.0	87.7
96"		11	70.0	70.1	70.0	79.5	70.0	79.5
108"		12	60.4	60.4	70.0	74.3	70.0	74.3
72"	48" (5)	8	70.0	70.0	70.0	79.6	70.0	79.6
84"		9	62.6	62.6	70.0	74.7	70.0	74.7
96"		11	54.7	54.7	66.6	66.6	66.6	66.6
108"		12	50.6	50.6	65.6	65.6	65.6	65.6
72"	60" (6)	8	51.8	51.8	70.0	71.0	70.0	71.0
84"		9	49.2	49.2	64.3	64.3	64.3	64.3
96"		11	46.0	46.0	60.3	60.3	60.3	60.3
108"		12	42.1	42.1	58.1	58.1	58.1	58.1

A = NO. OF ANCHORS PER HEAD & SILL
() = NO. OF ANCHORS PER JAMB



OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH



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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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C.A.N. 3538

SERIES HRW-300 ALUM. HORIZ. ROLLING WDW. (N.I.)

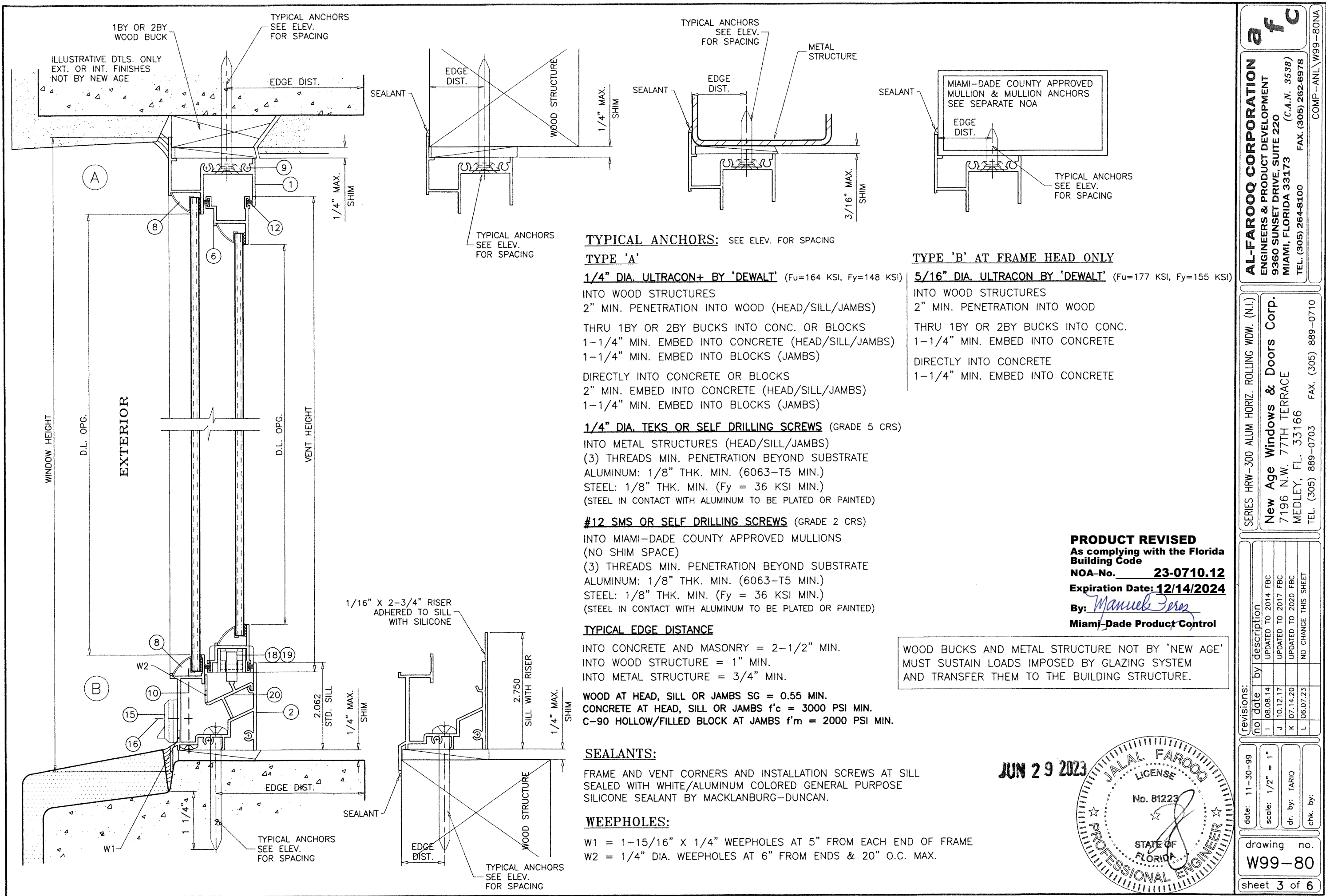
New Age Windows & Doors Corp.
7196 N.W. 77TH TERRACE
MEDLEY, FL. 33166
TEL. (305) 889-0703 FAX. (305) 889-0710

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dr. by: TARIQ
chk. by:

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TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
INTO WOOD STRUCTURES
2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
THRU 1BY OR 2BY 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
2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
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)

#12 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
(NO SHIM SPACE)
(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.

SEALANTS:

FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL
SEALED WITH WHITE/ALUMINUM COLORED GENERAL PURPOSE
SILICONE SEALANT BY MACKLANBURG-DUNCAN.

WEEPHOLES:

W1 = 1-15/16" X 1/4" WEEPHOLES AT 5" FROM EACH END OF FRAME
W2 = 1/4" DIA. WEEPHOLES AT 6" FROM ENDS & 20" O.C. MAX.

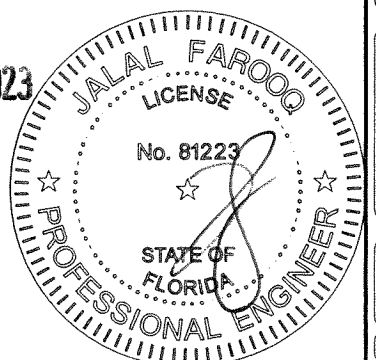
TYPE 'B' AT FRAME HEAD ONLY

5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
INTO WOOD STRUCTURES
2" MIN. PENETRATION INTO WOOD
THRU 1BY OR 2BY BUCKS INTO CONC.
1-1/4" MIN. EMBED INTO CONCRETE
DIRECTLY INTO CONCRETE
1-1/4" MIN. EMBED INTO CONCRETE

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

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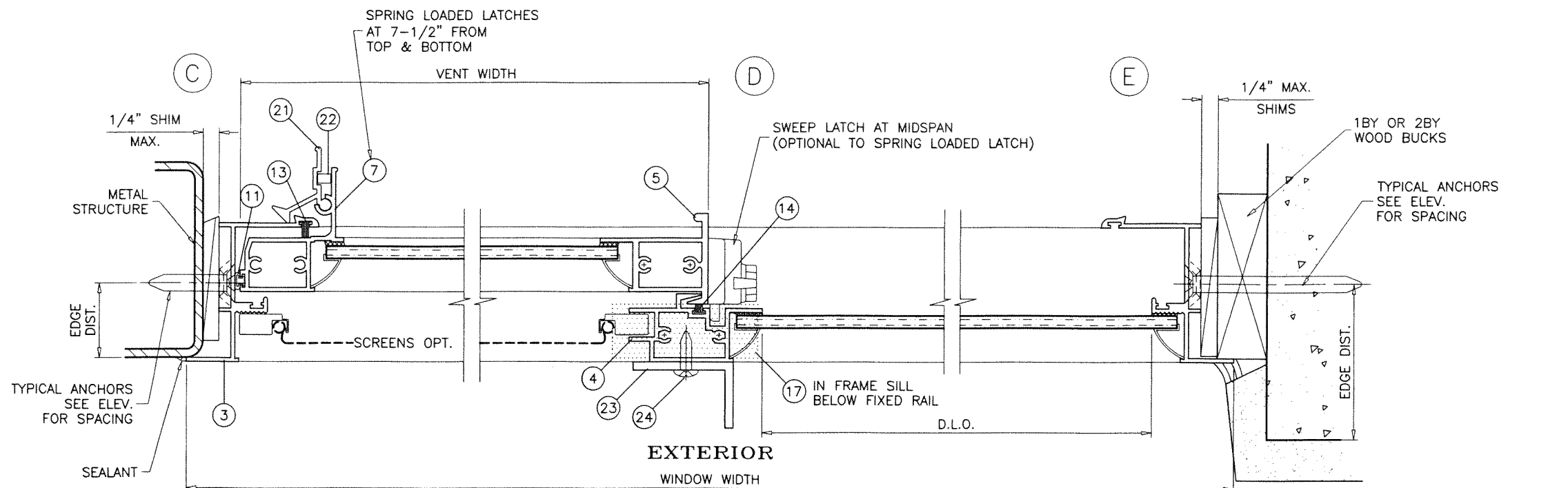
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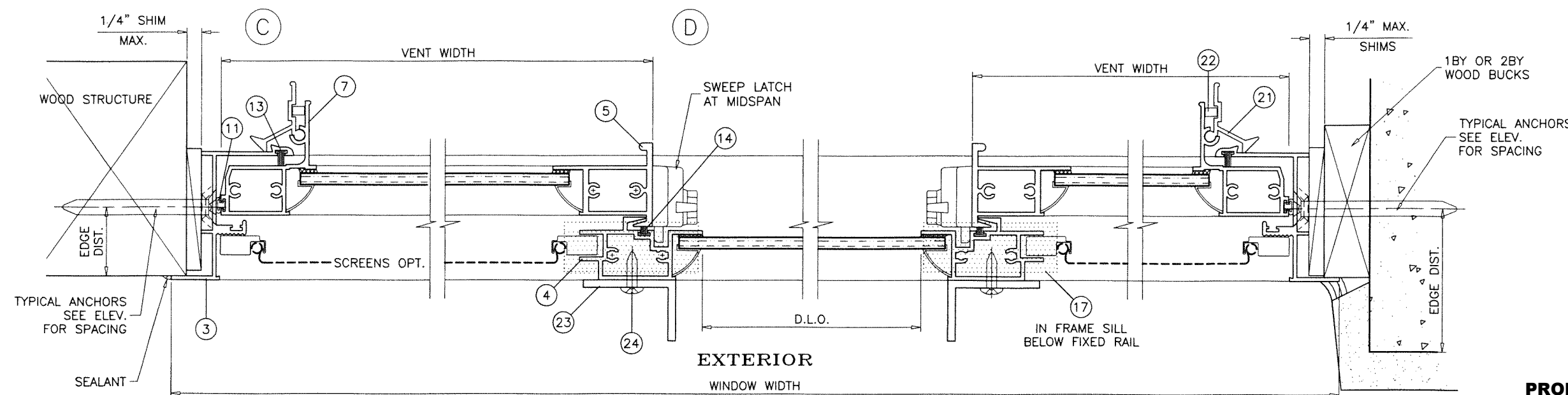
drawing no.
W99-80
sheet **3** of **6**



EXTERIOR

WINDOW WIDTH

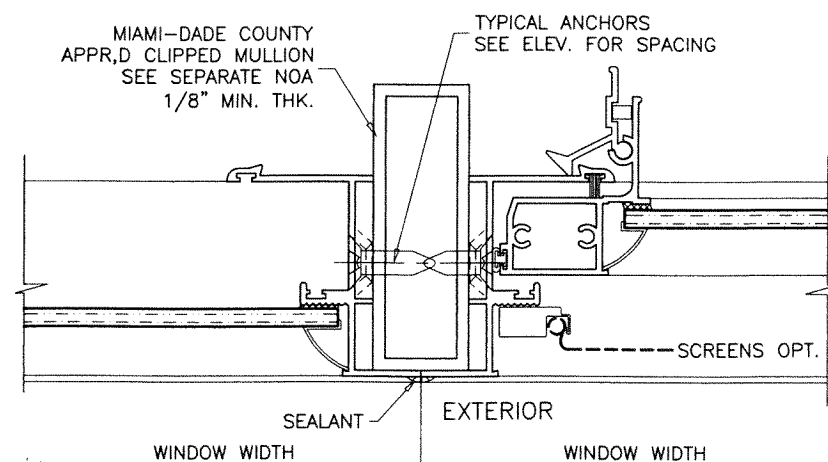
XO LAYOUT
OX OPPOSITE



EXTERIOR

WINDOW WIDTH

XOX LAYOUT

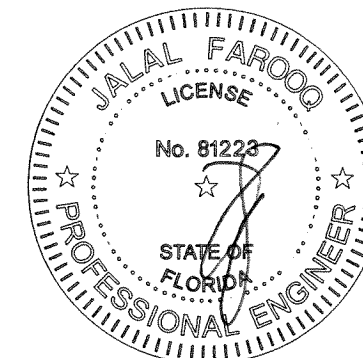


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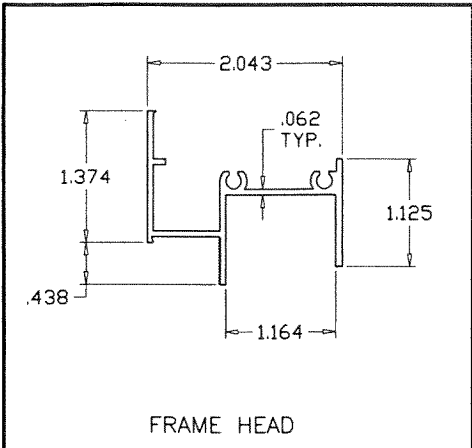
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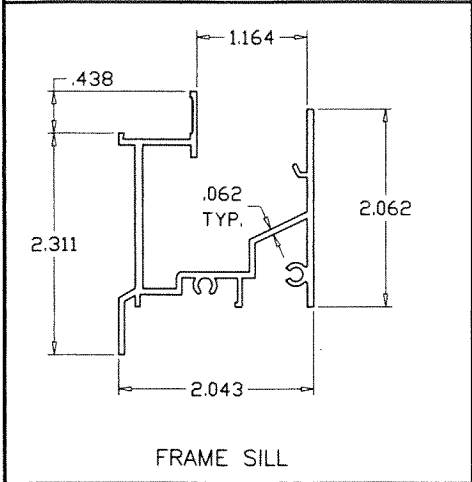
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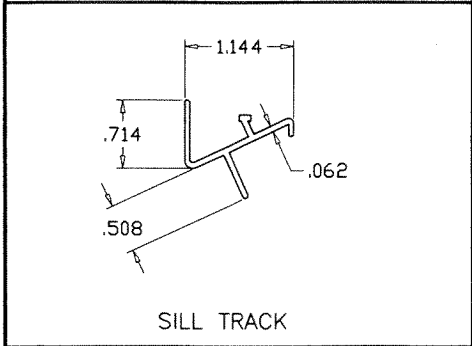
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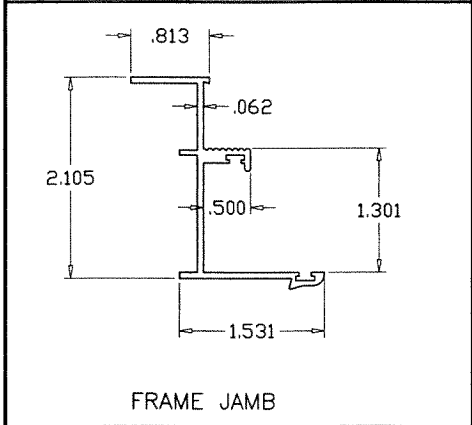
FRAME HEAD



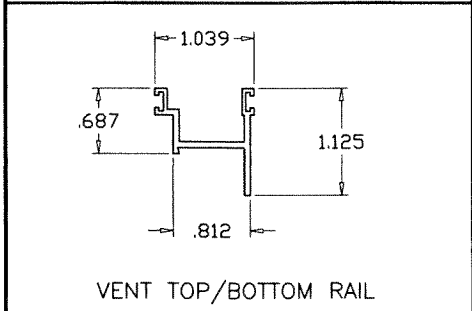
FRAME SILL



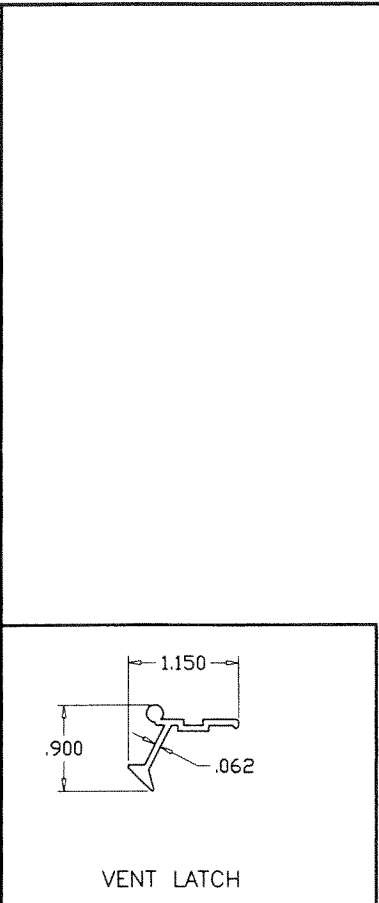
SILL TRACK



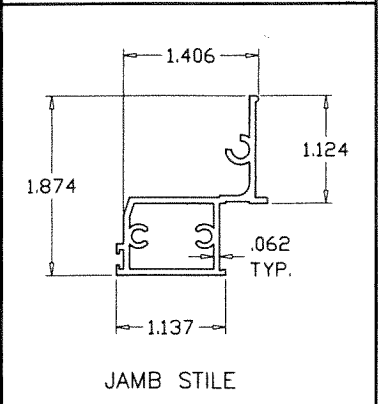
FRAME JAMB



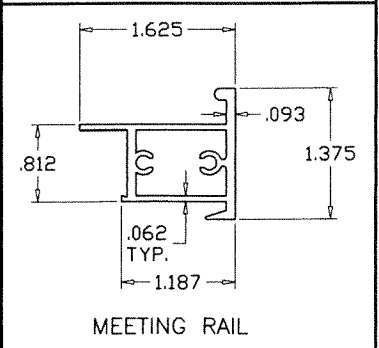
VENT TOP/BOTTOM RAIL



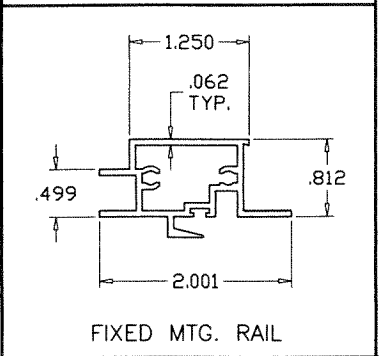
VENT LATCH



JAMB STILE



MEETING RAIL

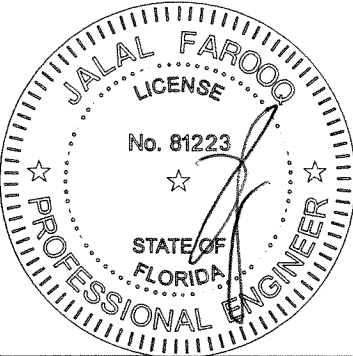


FIXED MTG. RAIL

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	4386	1	FRAME HEAD	6063-T6	-
2	NAS-101	1	FRAME SILL	6063-T6	-
3	4333	2	FRAME JAMB	6063-T6	-
4	4331	1/ VENT	FIXED RAIL	6063-T6	-
5	BA-4638	1/ VENT	VENT MEETING RAIL	6063-T5	-
6	BA-4425	2/ VENT	TOP AND BOTTOM RAIL	6063-T5	-
7	43907	1/ VENT	JAMB STILE	6063-T6	-
8	069	AS REQD.	GLAZING BEAD	ALUMINUM	ROLL FORMED
9	#10 X 1"	AS REQD.	FRAME ASSEMBLY SCREWS	-	P.H. PHILLIPS SMS
10	#8 X 2-1/2"	2	FIX. RAIL SILL SCREWS (SILL END)	-	P.H. PHILLIPS SMS
11	-	AS REQD.	VENT JAMB RAIL W'STRIPPING	VINYL	1/4" DIA. BULB
12	W-3331	AS REQD.	WEATHERSTRIPPING	-	PILE WITH PLASTIC FIN
13	-	AS REQD.	WEATHERSTRIPPING	-	PILE WITH PLASTIC FIN
14	-	AS REQD.	FIN SEAL WEATHERSTRIPPING	-	-
15	NAW-45	1/ WEEP	BAFFLE	NYLON	-
16	#8 X 3/4"	2/ CORNER	VENT ASSEMBLY SCREWS	-	P.H. PHILLIPS SMS
17	-	-	ADHESIVE BACK CLOSED CELL FOAM	-	1/2" X 5/8" X 2-3/16" LONG
18	NAW-46	2/ VENT	VENT ROLLER HOUSING & GUIDE	NYLON	AT EACH END
19	1801	2/ VENT	VENT ROLLER/WHEEL	ST. STEEL	-
20	4332	1	SILL TRACK INSERT	6063-T5	-
21	44300	2/ VENT	VENT LATCH	6063-T6	AT 7-1/2" FROM ENDS
22	SP-27A	1/ LATCH	VENT LATCH SPRING	ST. STEEL	-
23	-	AS REQD.	FIX. RAIL REINFORCING ANGLE, FULL LENGTH	ALUMINUM	1" X 1-1/2" X 1/8"
24	#10 X 3/4"	AS REQD.	REINF. ANGLE SCREWS AT 10" O.C.	ST. STEEL	TRUSS HEAD SELF DRILLING

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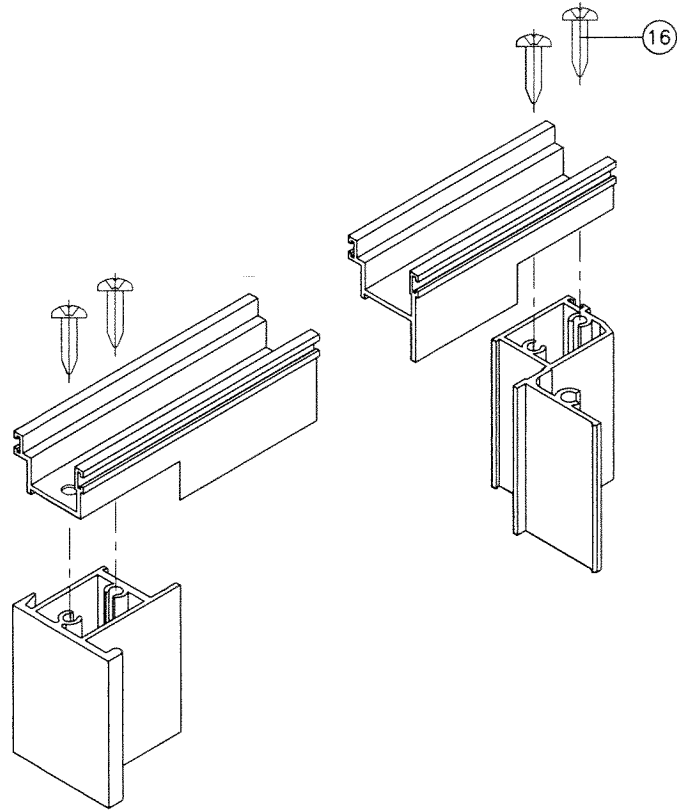
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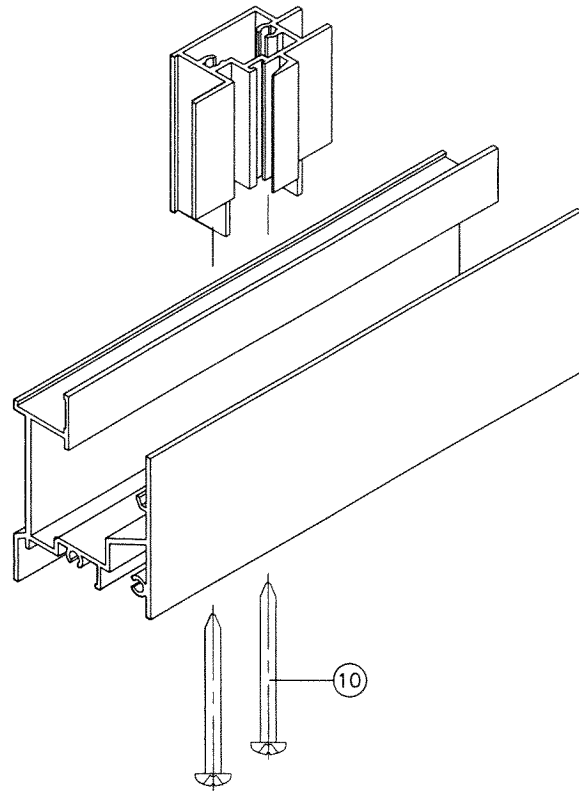
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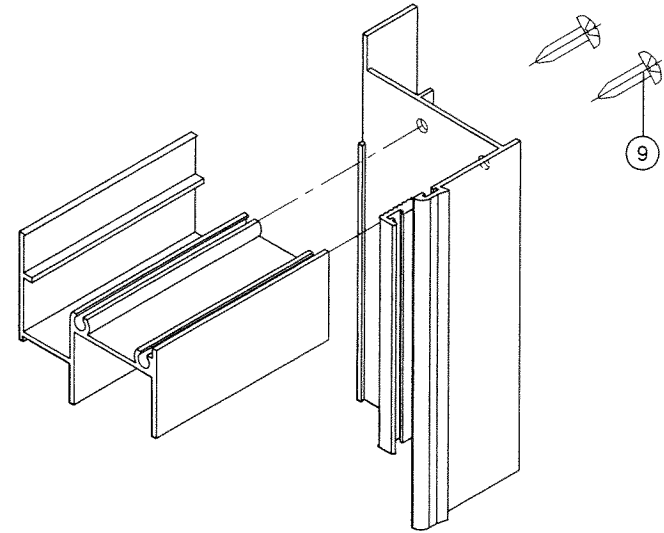
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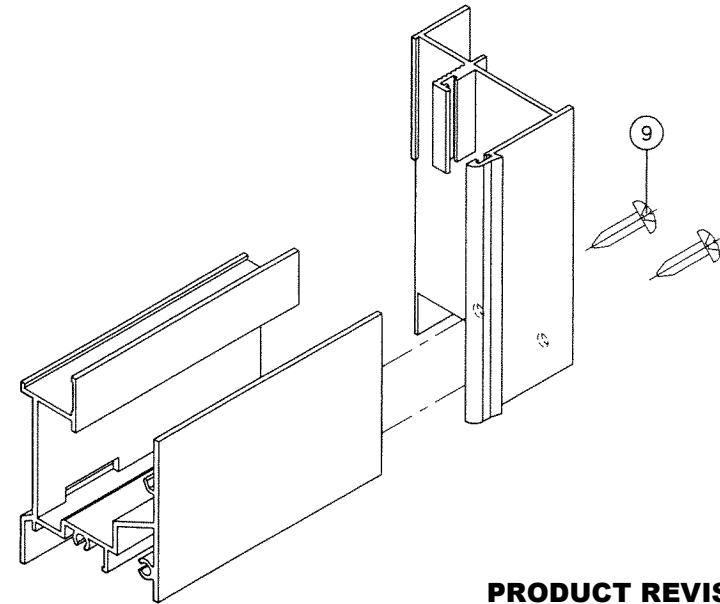
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL CORNER



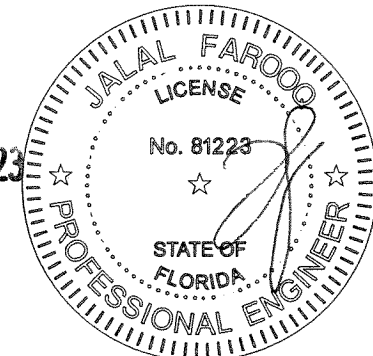
FRAME TOP CORNER



FRAME BOTTOM CORNER

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