

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

E.S. Windows, 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 "EL-100" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W16-57**, titled "ES-EL100 Alum Single Hung Wdw. (L.M.I)", sheets 1, 1.1, 1.2 and 2 through 10 of 10, dated 07/13/16, with revision C dated 06/22/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami–Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Barranquilla**, **Colombia**, 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. 17-1114.07 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

NOA No. 21-0526.02 Expiration Date: May 04, 2027 Approval Date: October 14, 2021 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA No. 16-0510.22)
- 2. Drawing No. W16-57, titled "ES-EL100 Alum Single Hung Wdw. (L.M.I)", sheets 1 through 10 of 10, dated 07/13/16, with revision **B** dated 09/26/17, prepared by Al–Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (Submitted under NOA No. 17-1114.07)

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Blackwater Testing, Inc., Test Report No. **BT-ESW-17-018**, dated 03/31/17, signed and sealed by Constantin Bortes, P.E.

(Submitted under NOA No. 16-0510.22)

- 2. 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, Test per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Architectural Testing, Inc., Test Reports No.

F9504.01-450-18, dated 04/06/17 and revised on 04/25/17, signed and sealed by Justin P. McDonald, P.E.

(Submitted under NOA No. 16-0510.22)

Manuel Pérez, P.E. Product Control Examiner NOA No. 21-0526.02/

Expiration Date: May 04, 2027 Approval Date: October 14, 2021

E.S. Windows, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. **EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S (CONTINUED)**

C. **CALCULATIONS**

- 1. Anchor verification calculations and structural analysis, complying with FBC 5th **Edition (2014)**, dated 04/12/17 and revised on 04/21/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
 - (Submitted under NOA No. 16-0510.22)

2. Glazing complies with ASTM E1300-09

D. **QUALITY ASSURANCE**

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

E. **MATERIAL CERTIFICATIONS**

- 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.
- 2. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Interlayer" dated 12/28/17, expiring on 07/04/23.
- Notice of Acceptance No. 17-0712.03 issued to Eastman Chemical Company (MA) 3. for their "Saflex CP - Saflex and Saflex HP Composite Glass Interlayers with **PET Core**" dated 09/07/17, expiring on 12/11/18.
- Notice of Acceptance No. 17-0712.05 issued to Eastman Chemical Company (MA) 4. for their "Saflex Clear and Color Glass Interlayers" dated 09/07/17, expiring on 05/21/21.

F. **STATEMENTS**

Statement letter of conformance to FBC 5th Edition (2014) and FBC 6th Edition 1. (2017), dated 09/25/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

(Submitted under NOA No. 17-1114.07)

G. **OTHERS**

1. Notice of Acceptance No. 16-0510.22, issued to ES Windows, LLC, for their Series "EL-100" Aluminum Single Hung Window - L.M.I., approved on 05/04/17 and expiring on 05/04/22.

> **Product Control Examiner** NOA No. 21-0526.02

Expiration Date: May 04, 2027 Approval Date: October 14, 2021

E.S. Windows, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. W16-57, titled "ES-EL100 Alum Single Hung Wdw. (L.M.I)", sheets 1, 1.1, 1.2 and 2 through 10 of 10, dated 07/13/16, with revision C dated 06/22/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a Series ES-EL 100 aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-12413**, dated 12/16/20, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with **FBC** 5th **Edition (2014)** dated 04/12/17, revised on 04/21/17 and updated on 04/26/21 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)

Manuel Perez, P.E. Product Control Examiner NOA No. 21-0526.02

Expiration Date: May 04, 2027 Approval Date: October 14, 2021

E.S. Windows, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 2. NEW EVIDENCE SUBMITTED (CONTINUED)
- E. MATERIAL CERTIFICATIONS
 - 1. Notice of Acceptance No. 20-0915.22 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 11/19/20, expiring on 07/08/24.
 - 2. 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.
 - 3. Notice of Acceptance No. 20-0622.03 issued to Eastman Chemical Company (MA) for their "Saflex Storm Saflex and Saflex HP Composite Glass Interlayers with PET Core" dated 08/06/20, expiring on 12/11/23.
 - 4. Notice of Acceptance No. 21-0216.01 issued to Eastman Chemical Company (MA) for their "Saflex PVB Interlayers Clear and Colored for Glass" dated 04/29/21, expiring on 05/21/26.

F. STATEMENTS

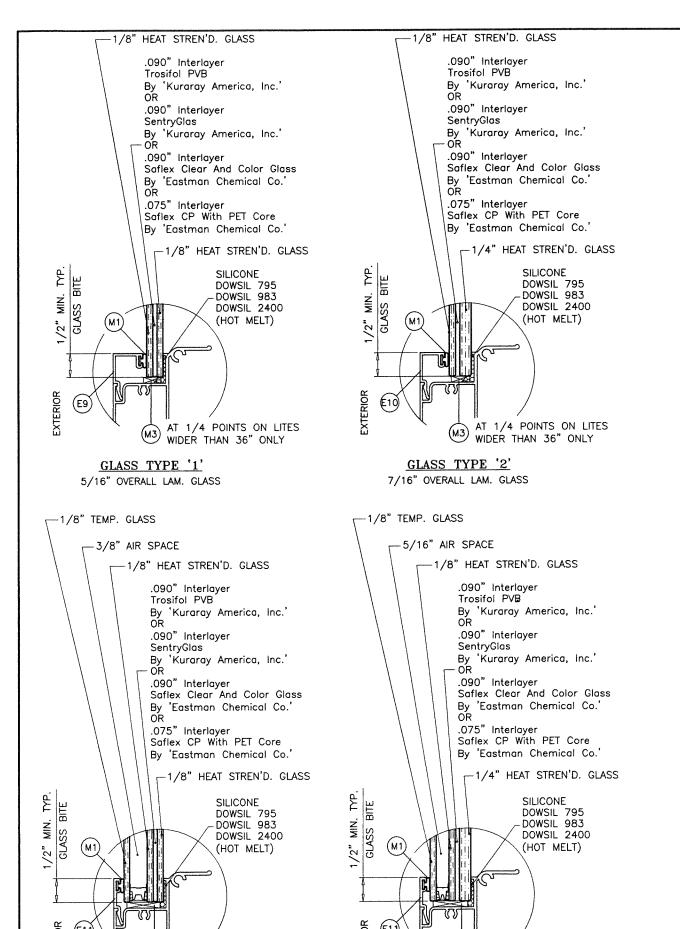
1. Statement letter of conformance, complying with **FBC** 7th **Edition (2020)**, and of no financial interest, dated April 27, 2021, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

1. Notice of Acceptance No. 17-1114.07, issued to ES Windows, LLC, for their Series "EL-100" Aluminum Single Hung Window - L.M.I., approved on 01/18/18 and expiring on 05/04/22.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 21-0526.02
Expiration Date: May 04, 2027

Approval Date: October 14, 2021



GLASS TYPE '2i' 7/8" OVERALL INSUL. LAM. GLASS

AT 1/4 POINTS

ALL SIZES

ES-EL100

ALUMINUM SINGLE HUNG WINDOW

SEE SHEETS 2 AND 3 FOR DESIGN LOAD CAPACITY.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG 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)'.

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

5/16" & 3/8" AIR SPACE CONSISTING OF:

'HELIMA' LOW PROFILE ALUMINUM SPACER BY 'LINGERMANN GMBH' AROUND THE PERIMETER OF THE GLASS.

PERIMETER SEALANT:

SILICONE DOWSIL 791 GE 2000

PRODUCT APPROVED as complying with the Florida Building Code NOA-No.

Approval Date: 05/04/2027 By: Manuel Peres

Miami-Dade Product Control

FAROUSE STORY

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 (C.A.N. 05) 262-

E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638–5151 FA

SINGLE HUNG

ES-EL100 ALUM

9 Q 4 B C

drawing no. W16-57

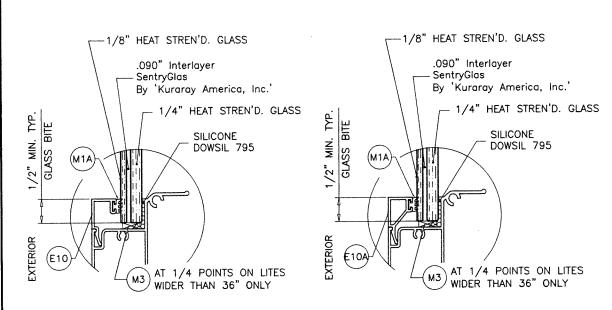
sheet 1 of 10

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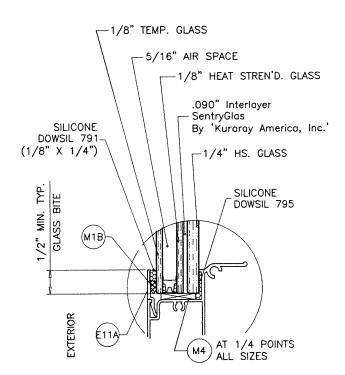
7/8" OVERALL INSUL. LAM. GLASS GLAZING OPTIONS

AT 1/4 POINTS M4 ALL SIZES

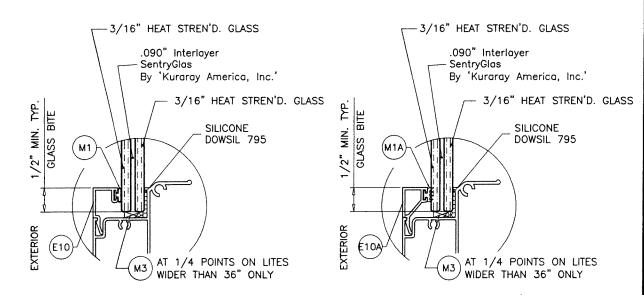
GLASS TYPE '1i'



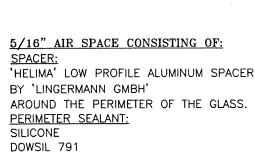
GLASS TYPE '2A' 7/16" OVERALL LAM. GLASS



GLASS TYPE '2Ai' 7/8" OVERALL INSUL. LAM. GLASS



GLASS TYPE '3' 7/16" OVERALL LAM. GLASS



GE 2000

PRODUCT APPROVED as complying with the Florida Building Code NOA-No. 21-0526.02

Approval Date: <u>05/04/2027</u> By: Manuel Perez

Miami-Dade Product Control

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07-13-16 drawing no. W16 - 57

sheet 1.1 of 10

(C.A.N. 3538) FAX. (305) 262-6978 COMP-ANL\W1

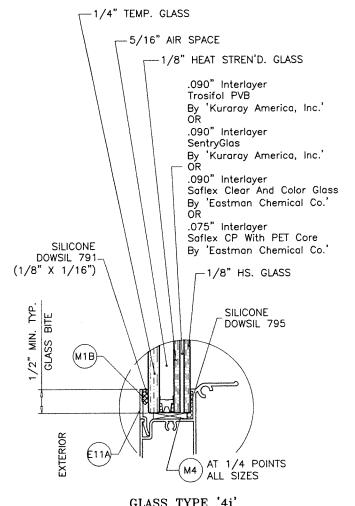
AL-FAROOQ CORPORATIONENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL (305) 264-8100 FAX. (305) 262-6978

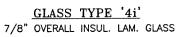
(L.M.I.)

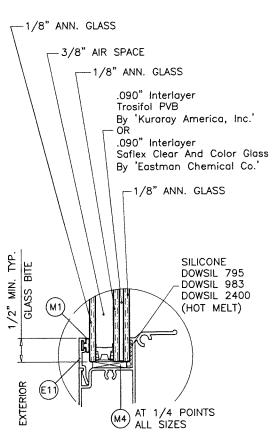
ES-EL100 ALUM SINGLE HUNG WDW.

E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638–5151 FAX.

GLAZING OPTIONS







GLASS TYPE '5i' 7/8" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

EXTERIOR PLY OF GLASS TYPE '5i' TO BE TEMPERD TO QUALIFY FOR SMALL MISSILE IMPACT.

5/16" & 3/8" AIR SPACE CONSISTING OF:

'HELIMA' LOW PROFILE ALUMINUM SPACER BY 'LINGERMANN GMBH' AROUND THE PERIMETER OF THE GLASS.

PERIMETER SEALANT: SILICONE

DOWSIL 791 GE 2000

PRODUCT APPROVED as complying with the Florida Building Code NOA-No.

21-0526.02 Approval Date: 05/04/2027

By: Manuel Pres

Miami-Dade Product Control

MAY 2 0 2021

revisions: no date by description

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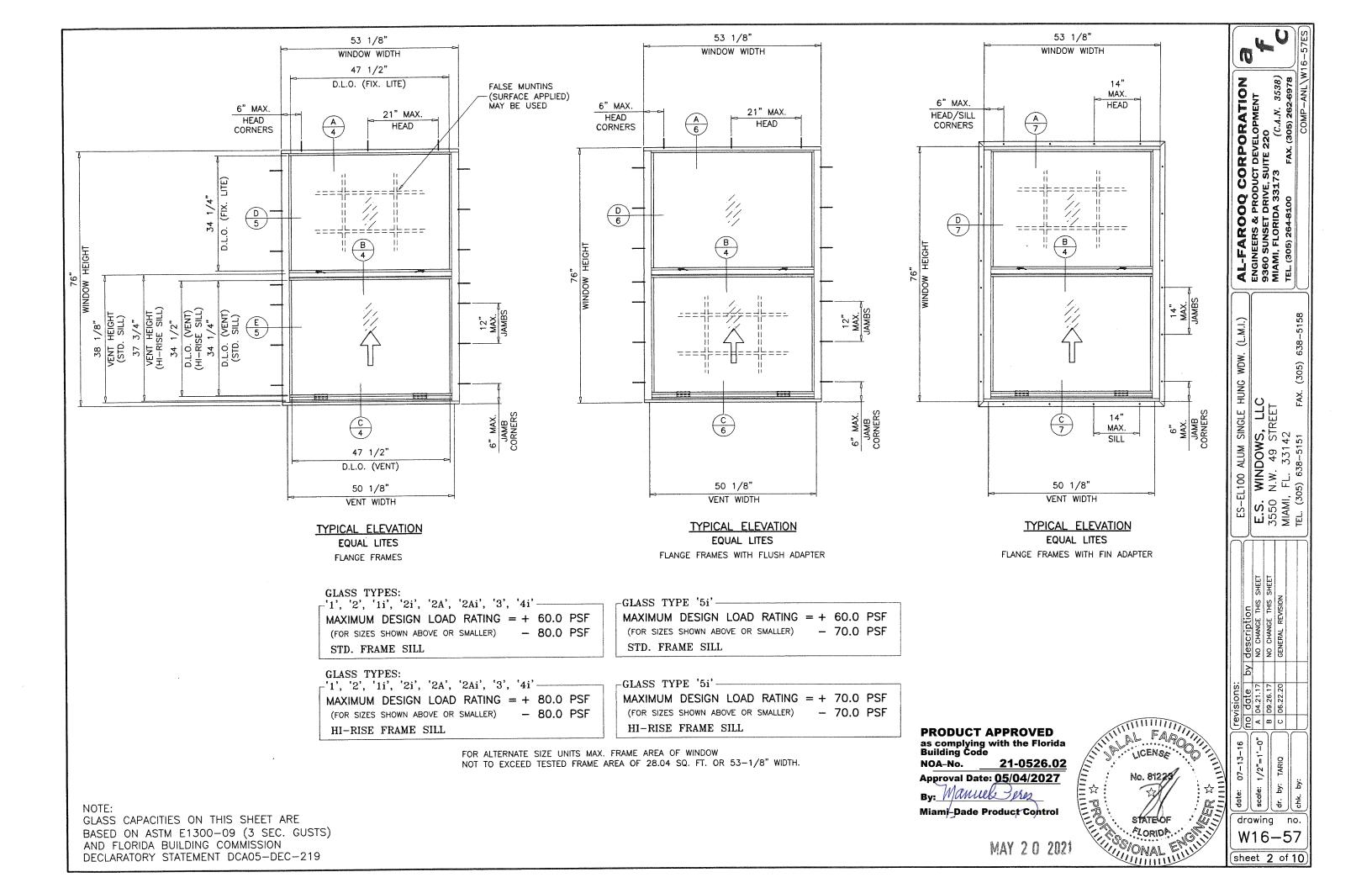
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

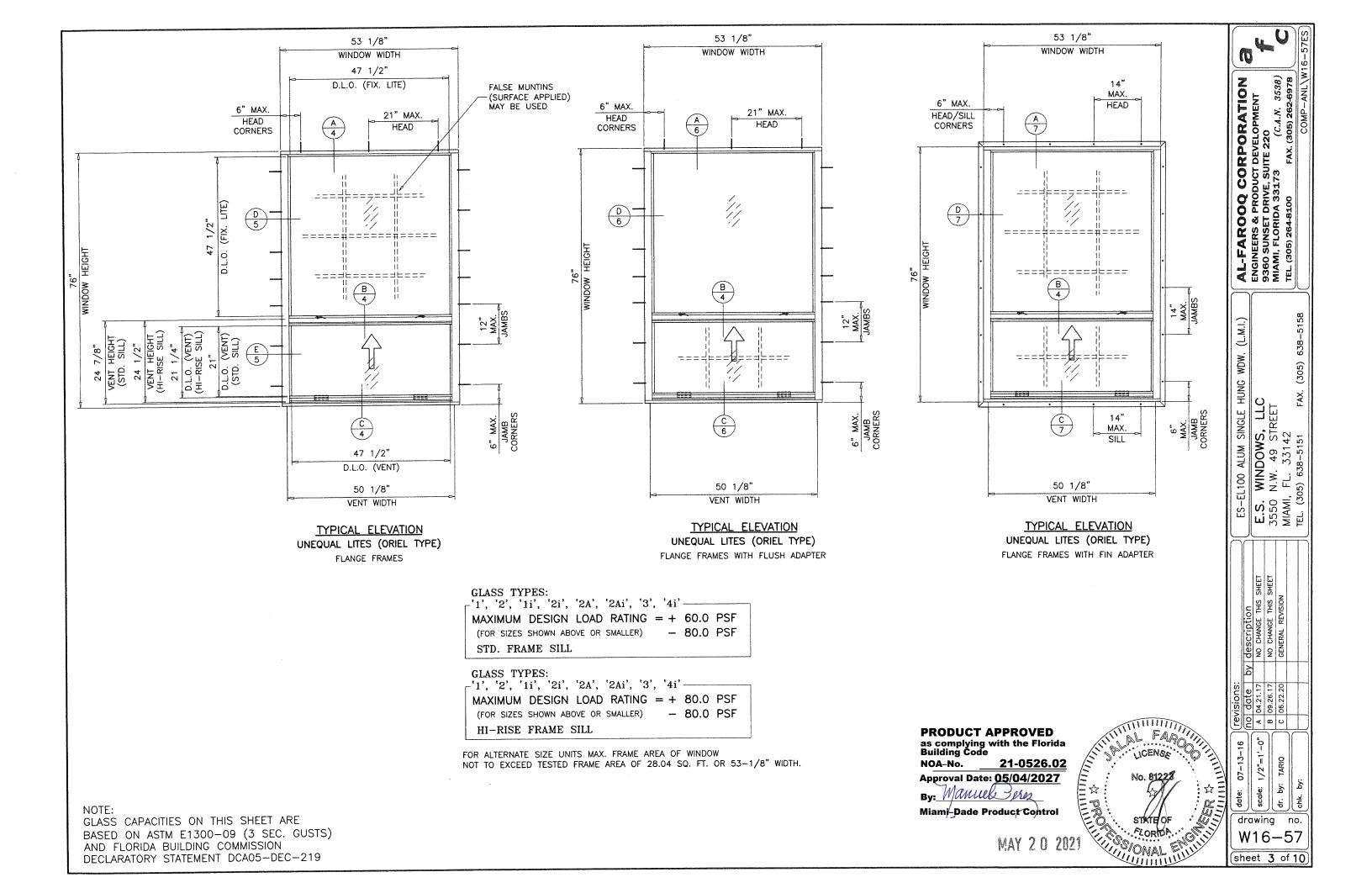
ES-EL100 ALUM SINGLE HUNG WDW. (L.M.I.)

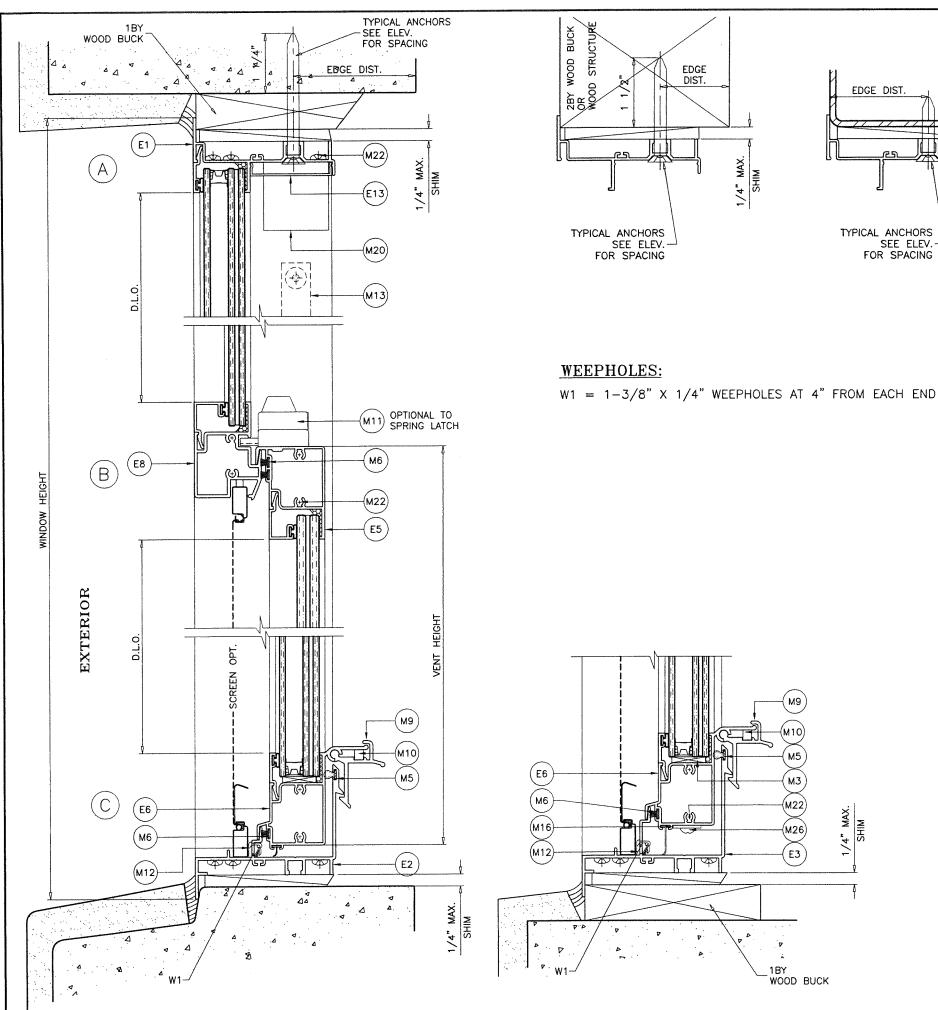
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

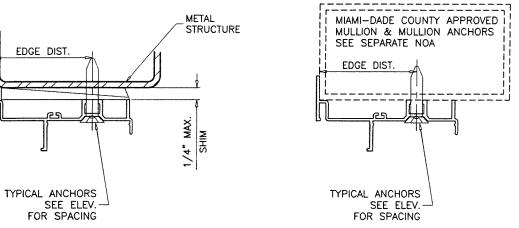
drawing W16 - 57

sheet **1.2** of **10**









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

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/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)

1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS

INTO METAL STRUCTURES (HEAD/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.

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 21-0526.02

Approval Date: 05/04/2027

By: Manuel Pres

Miami-Dade Product Control



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 353R)
TEL. (305) 264-8100 WDW. ES-EL100 ALUM SINGLE HUNG W
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (308) **E.S.** 3550 MIAMI, description
NO CHANGE THIS S
UPDATED TO 2017
GENERAL REVISION

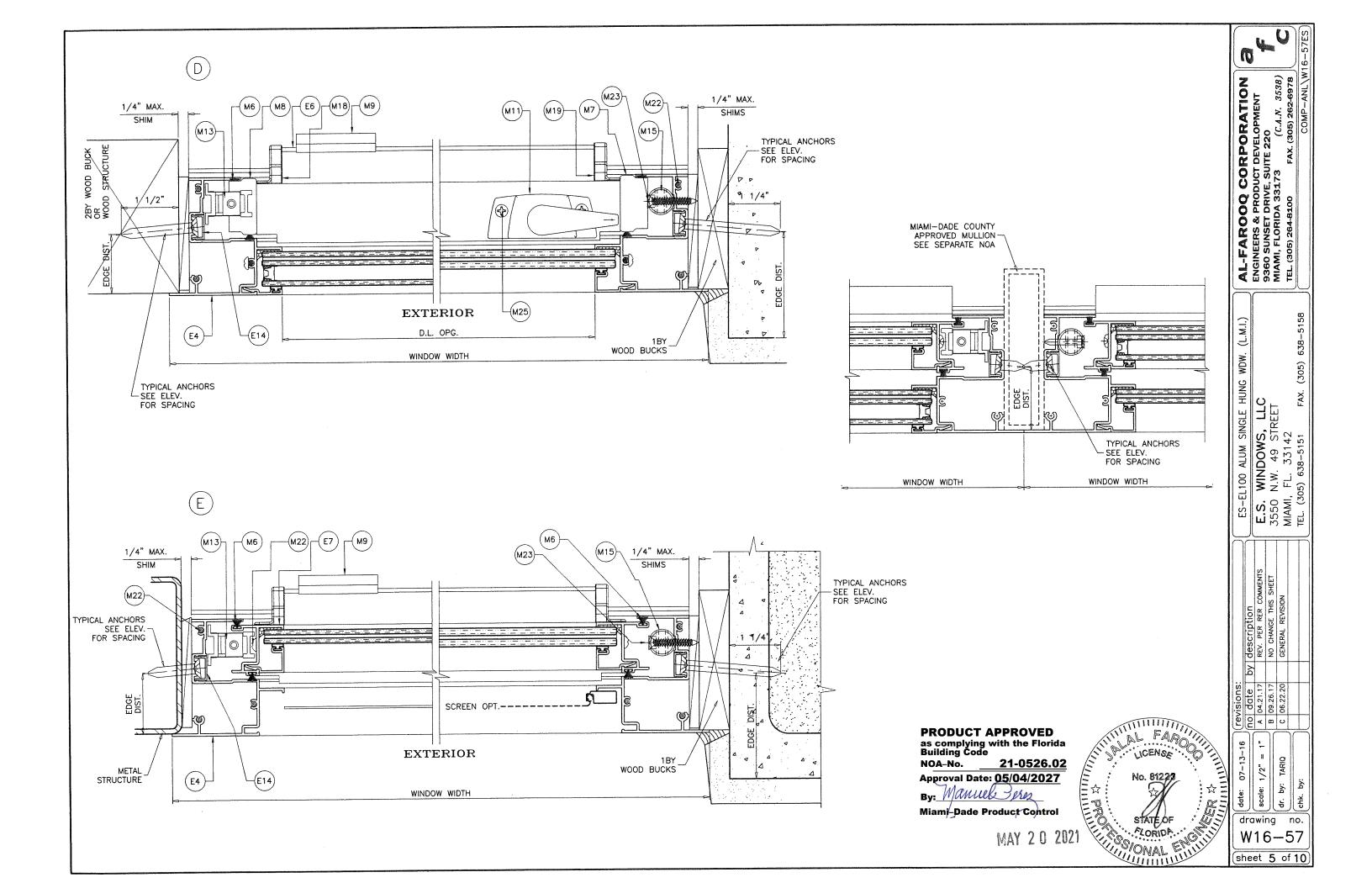
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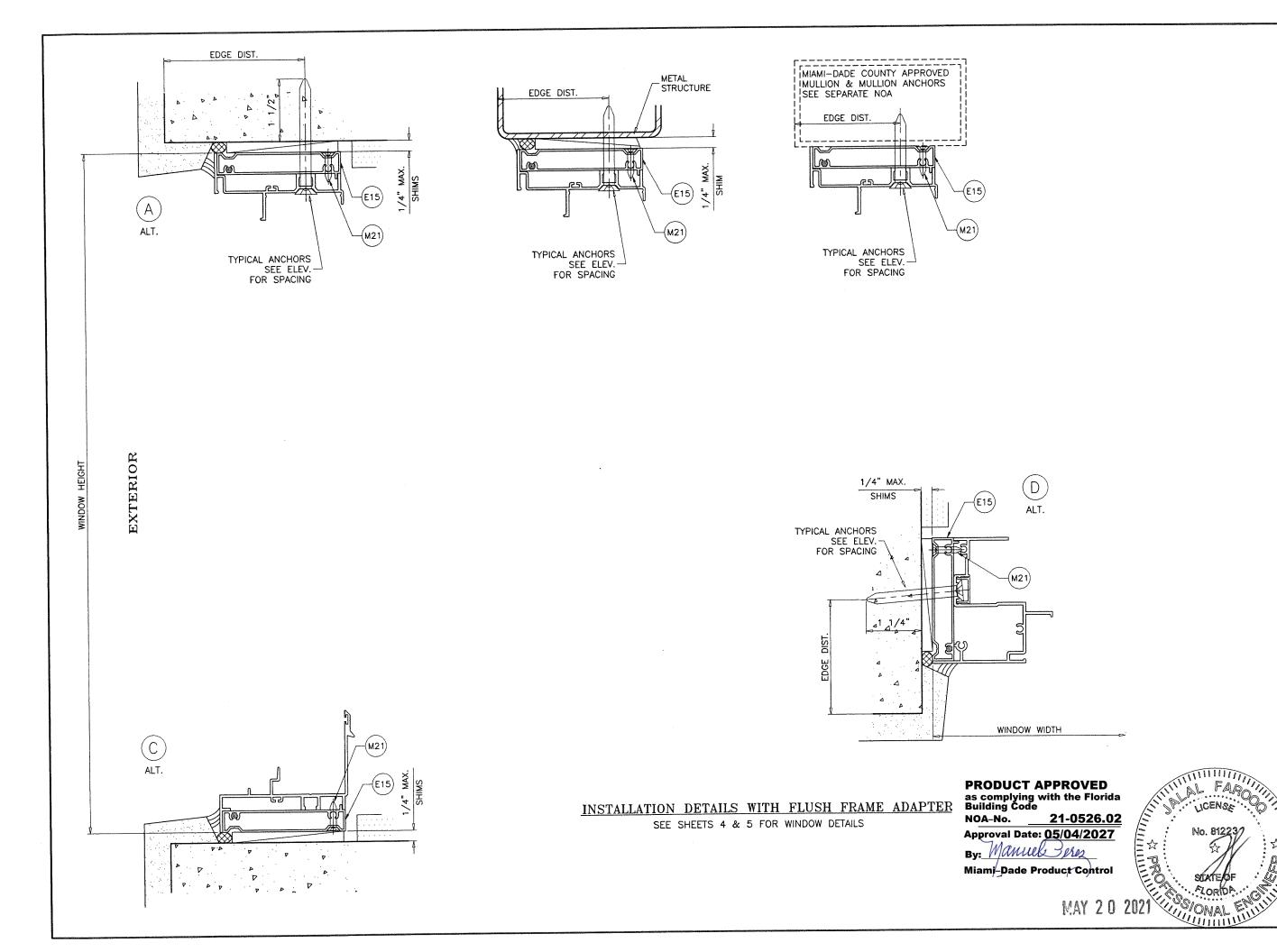
drawing

W16 - 57

sheet 4 of 10

no.





 AL-FAROOQ CORPORATION

 ENGINEERS & PRODUCT DEVELOPMENT

 9360 SUNSET DRIVE, SUITE 220

 MIAMI, FLORIDA 33173
 (C.A.N. 3538)

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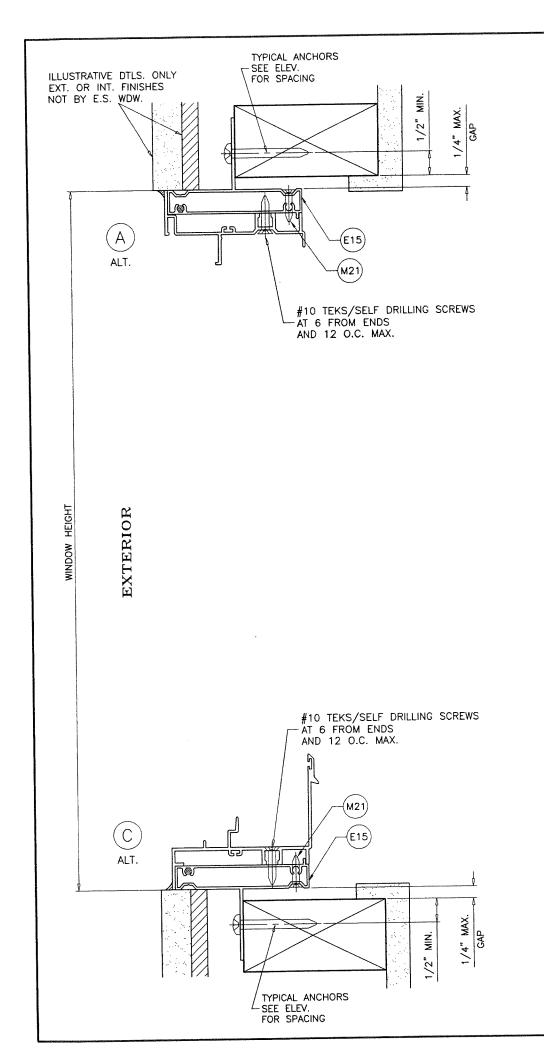
ES-EL100 ALUM SINGLE HUNG WDW. (L.M.I.)

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

no date A 04.21.17 B 09.26.17 C 06.22.20

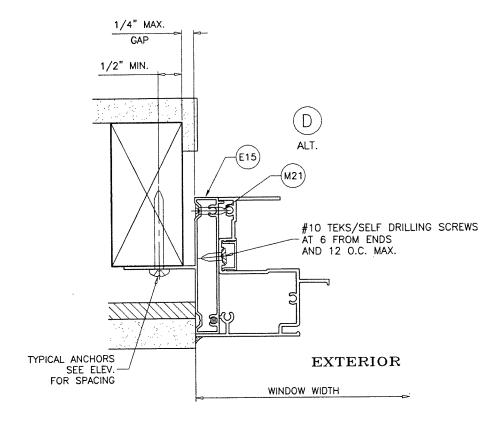
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W16 - 57sheet 6 of 10



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#14 WOOD SCREWS (GRADE 2 CRS) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD



INSTALLATION DETAILS WITH FIN FRAME ADAPTER

SEE SHEETS 4 & 5 FOR WINDOW DETAILS

PRODUCT APPROVED as complying with the Florida Building Code

NOA-No.

21-0526.02 Approval Date: 05/04/2027

By: Manuel Peres

Miami-Dade Product Control

MAY 20 2021



ES-EL100 ALUM SINGLE HUNG WDW. (LE.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 FAX. (305) 638 revisions:
no date
A 04.21.17
B 09.26.17
C 06.22.20 drawing W16 - 57

sheet 7 of 10

(C.A.N. 3538) FAX. (305) 262-6978

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

	NAME OF THE OWNER O	202	Procediment	MATERIAL	MANF./SUPPLIER/REMARKS
ITEM #	PART #	REQD.	DESCRIPTION COST. TO		
E1	ES-EL101A	1	FRAME HEAD	6063-T6	•
E2	ES-EL102	1	FRAME SILL (STANDARD)	6063-T6	
E3	ES-EL103	1	FRAME SILL (HI-RISE)	6063-T6	-
E4	ES-EL104	2	FRAME JAMB	6063-T6	
E5	ES-EL105	1	VENT TOP RAIL	6063-T6	
E6	ES-EL106	1	VENT BOTTOM RAIL	6063-T6	_
E7	ES-EL107	2	VENT SIDE RAIL	6063-T6	
E8	ES-EL108A	1	FIXED MTG. RAIL	6063-T6	_
E9	ES-EL109	AS RQD.	GLAZING BEAD (5/16" LAM. GLASS)	6063-T6	
E10	ES-EL110	AS RQD.	GLAZING BEAD (7/16" LAM. GLASS)	6063-T6	
E10A	ES-EL123	AS RQD.	GLAZING BEAD (7/16" LAM. GLASS)	6063-T6	_
E11	ES-EL111	AS RQD.	GLAZING BEAD (INSUL. LAM. GLASS)		
E11A	ES-EL116	AS RQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	
E12	ES-EL112	AS REQD.	FLUSH FRAME ADAPTER	6063-T6	
E13	ES-EL113A	AS REQD.	HEAD SCREW COVER	6063-T6	
E14	ES-EL114	AS REQD.	JAMB SCREW COVER	6063-T6	_
E15	ES-EL115	AS REQD.	FLUSH FRAME ADAPTER WITH FIN	6063-T6	
					DUPONITIES OF LE CHOSE A
М1	ES-5008A	AS REQD.	GLAZING BEAD BULB	SILICONE	DUROMETER 65±5 SHORE A
M1A	EL100-G02	AS REQD.	EXTERIOR LEAF GASKET	SILICONE	DUROMETER 60±5 SHORE A
M1B	ES-H-340-G05	AS REQD.	EXTERIOR WEDGE GASKET	SILICONE	DUROMETER 65±5 SHORE A
M2	EL100-G01	AS REQD.	VENT BOTTOM GASKET	EPDM	DUROMETER 65±3 SHORE A
мз	80-372A	2/ LITE	SETTING BLOCK AT 1/4 POINTS (LAM. GLASS)	SILICONE	DUROMETER 80±5 SHORE A
M4	EL100-B01	2/ LITE	SETTING BLOCK AT 1/4 POINTS (INSUL. LAM. GLASS)	SILICONE	DUROMETER 80±5 SHORE A
М5	Q300T190	AS REQD.	Q-LON2 WEATHER SEAL AT SILL	URETHANE FOAM	_
М6	23211NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	POLYPROPYLENE	
M7	ES-EL115	4/ VENT	VENT TOP GUIDE (SPIRAL BALANCE)	CELCON	
м8	ES-EL116	2/ VENT	VENT TOP GUIDE (BLOCK & TACKLE BALANCE)	CELCON	
м9	SK08-4010	2/ VENT	SPRING LOADED LATCH	6063-T6	ALTERNATE TO SWEEP LATCH
М10	ES-1012	2/ LATCH	LATCH SPRING	ST. STEEL	-
M11	SL302-XX	2/ VENT	SWEEP LATCH	DIE CAST ALUM	
M12	FAS255129	2	WEEP HOLE COVER	NYLON	_
М13	SERIES 86 ·	2/VENT	BLOCK & TACKLE BALANCE	CRS	_
M14	15P19	2/VENT	BALANCE TAKE OUT CLIP	ST. STEEL	
M15	_	2/VENT	SPIRAL BALANCE CLASS 5	CRS	_
M16	21803	_	NON TILT	ST. STEEL	_
M17	ES-004	2	VENT GUIDE	NYLON	_
M18	ES-1000-P1L	_	LEFT NOTCH CAP	NYLON	
M19	ES-1000-P1R	_	RIGHT NOTCH CAP	NYLON	_
M20	PENDIENTE	-	SASH STOP	_	_
M21	#8 X 1"	_	FLUSH FRAME ADAPTER ASSEMBLY FASTENERS	ST. STEEL	FH SMS
M22	#8 X 1"	_	FRAME AND VENT ASSEMBLY FASTENERS	ST. STEEL	PH SMS
M23	#10 X 1-1/4"	-	SPIRAL BALANCE ASSEMBLY FASTENERS	ST. STEEL	FH SMS
M24	#6 X 1/2"	-	VENT GUIDE ASSEMBLY FASTENERS	ST. STEEL	FH SMS
M25	#8 X 3/4"	-	SWEEP LATCH FASTENERS	ST. STEEL	FH SMS
M26	#8 X 1/2"	-	NON TILT FASTENERS	ST. STEEL	PH SMS

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 21-0526.02
Approval Date: 05/04/2027
By: Manual Pres

Miami-Dade Product Control

No. 81223

STATE OF STORIOR.

ONAL ENTITY

O MAY 2 0 2021

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33.173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

ES-EL100 ALUM SINGLE HUNG WDW. (L.M.I.)

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

638-5158

revisions:

no date by description

no date by description

a 04.21.17 REV. PER RER COMMENTS

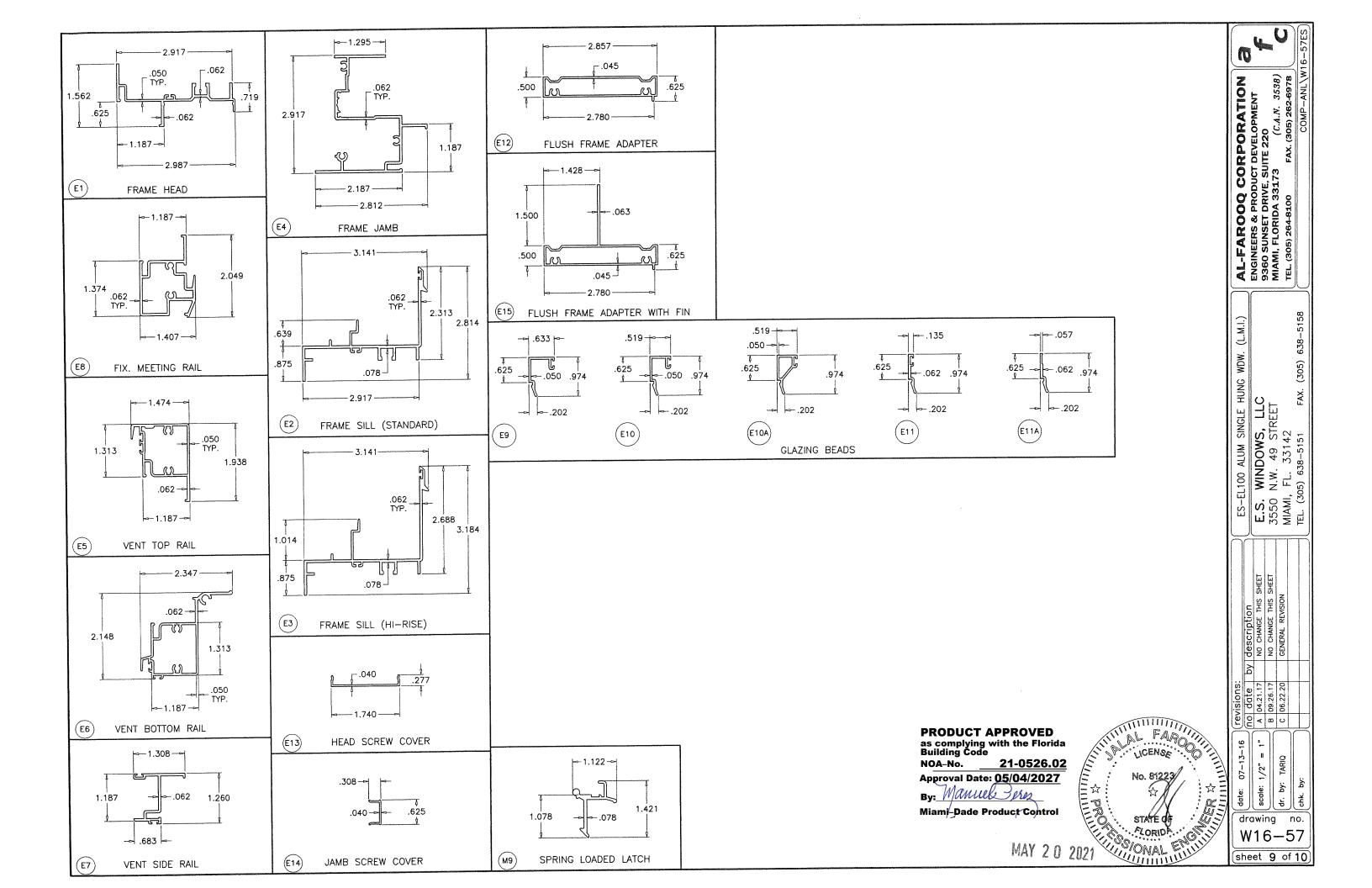
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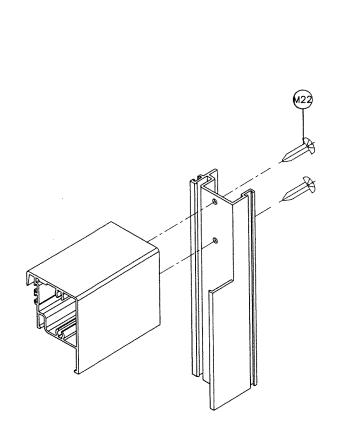
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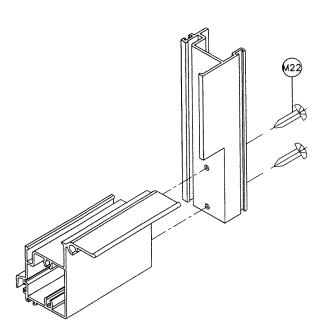
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sheet 8 of 10

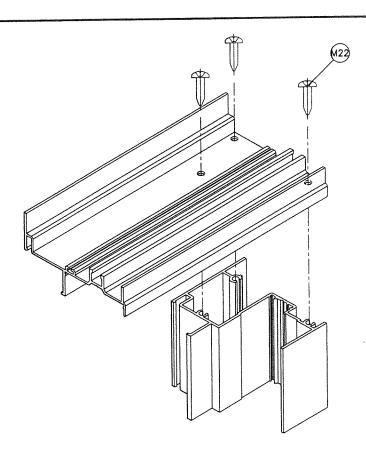




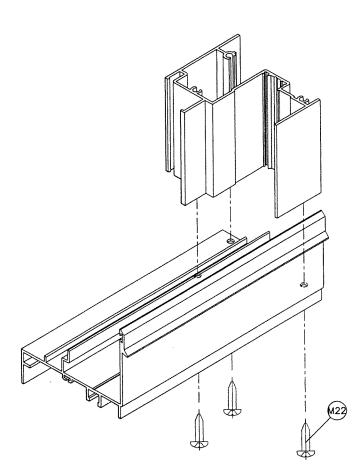
VENT TOP CORNER



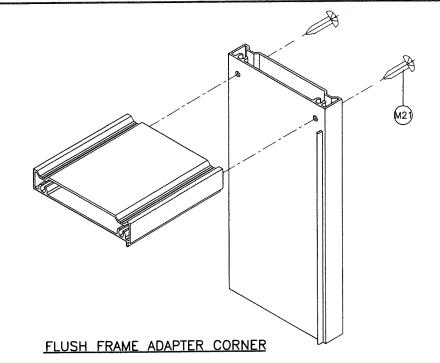
VENT BOTTOM CORNER

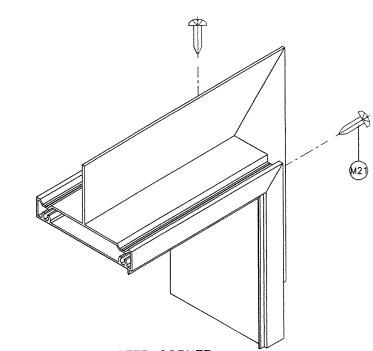


FRAME TOP CORNER



FRAME BOTTOM CORNER





FIN FRAME ADAPTER CORNER



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No. 81222

uct Control

MAY 2 0 2021

AL-FAROOQ CORPOR	ENGINEERS & PRODUCT DEVELOP 9360 SUNSET DRIVE, SUITE 220	MIAMI, FLORIDA 33173 (C.A	TEL. (305) 264-8100 FAX. (305)
A SINGLE HUNG WDW. (L.M.I.)	WS, LLC	SIKEEL	142

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revisions:	no date	A 04.21.17	B 09.26.17	C 06.22.20			
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