

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

Eurotech Industries, Inc. 4201 NE 12 Terrace Oakland Park, FL 33334

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: Aluminum Outswing Entrance Door-LMI

APPROVAL DOCUMENT: Drawing **No. W15-26 Rev C**, titled "Alum Single Outswing Entrance Door (L.M.I.)", sheets 1 through 4 of 4, dated 06/25/15 and last revised on DEC 11, 2020, 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

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 #19-0318.02 and consists of this page 1, evidence pages E-1, E-2, E-3, E-4, and G-1 as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



Ishag 1. Chandes

NOA No. 20-1216.20 Expiration Date: June 10, 2024 Approval Date: January 21, 2021 Page 1

1. EVIDENCE SUBMITTED UNDER file #14-0303.09

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. W15-26, titled "Aluminum Single Outswing Entrance Door (L.M.I.)", sheets 1 through 4 of 4, dated 06/25/15, prepared by AL-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., dated 07/03/15.

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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
 - 5) Large Missile Impact Test per FBC, TAS 201-94
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with installation diagram of aluminum outswing door, prepared by American Test Lab of South Florida, Test Report No(s). **ATLSF 0304.01-15**, dated 05/26/15, signed and sealed by Stephen Warter, P.E.

2. Tensile Test prepared by Hurricane Engineering & Testing, Test No. HETI-04-T100, dated 01/29/04, tested per ASTM E8-01, signed & sealed by Rafael E. Droz-Seda, P.E.

C. CALCULATIONS

- 1. Anchor Calculations and structural analysis, dated 07/01/2015, prepared by Al-Farooq Corp., signed and sealed by Javad Ahmad, P.E., dated 07/02/15.
- 2. Glazing complies w/ ASTME-1300-09.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0423.17** issued to Eastman Chemical Company for their "Saflex Clear and Color Glass Interlayers", expiring on 5/21/16.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014, 5th edition, prepared by Al Farooq Corporation, dated 07/01/2015, signed and sealed by Javad Ahmad, P.E.

G. OTHERS

1. Notice of Acceptance No. **14-0303.09**, issued to Eurotech Industries, Inc. for their Aluminum Outswing Entrance Door, approved on May 15, 2014 and expiring on 6/10/2019.

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G. **OTHERS** (continue)

- 1. Notice of Acceptance No. **14-0303.09**, issued to Eurotech Industries, Inc. for their Aluminum Outswing Entrance Door, approved on May 15, 2014 and expiring on 6/10/2019.
- 2. Simulation Performance, Solar Heat Gain Coefficient, Visible Transmittance, & Condensation Resistance Calculation Report on:
 - 1) NFRC 100-2010 "Procedure for Determining Fenestration Product U-Factors"
 - 2) NFRC 200-2010 "Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence"
 - **3)** NFRC 500-2010 "Procedure for Determining Fenestration Product Condensation Resistance Values"

Using computer simulation in accordance with NFRC: Frame and Edge Modeling: THERM 6.3.38, / WINDOW 6.3.74, Simulation Manual; Optics 6 of a Eurotech Industries aluminum entrance door, along with attached drawings and bill of materials included in Appendix, by Fenestration Testing Laboratory, Inc., Test Report No. **8367**, pages 1 through 6 of 6, dated 05/13/15, signed by Jose Sanchez, NFRC Accredited Simulator, Simulator–In–Responsible–Charge.

- 3. NFRC 102-2010 Thermal Performance Test Report on:
 - 1) NFRC 102-2010 "Test Procedure for Measuring Steady-State Thermal Transmittance of Fenestration Systems"

Test report of a Eurotech Industries aluminum entrance door with Low E and Argon, along with submittal component drawings, with applicable part numbers, manufacturing and modeling details included in Appendix A, marked up by Fenestration Testing Laboratory, Inc., Test Report No. 8313, pages 1 through 7 of 7, dated 05/18/2015, signed by signed by Jose Sanchez, NFRC Accredited Simulator, Simulator–In–Responsible–Charge.

2. EVIDENCE SUBMITTED in previous file # 15-0707.02

A. DRAWINGS

1. Drawing **No. W15-26 Rev B**, titled "Alum Single Outswing Entrance Door (L.M.I.)", sheets 1 through 4 of 4, dated 06/25/15 and last revised 03/27/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

- 1. None.
- C. CALCULATIONS
 - 1. None.

D. QUALITY ASSURANCE

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

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E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0712.05** issued to Eastman Chemical Company (MA) for their "**Saflex Clear and Color Glass Interlayers**", expiring on 5/21/21.

F. STATEMENTS

1. Statement letter of conformance to **FBC 6th Edition (2017)** and of no financial interest, prepared by Al Farooq Corporation, dated 12/1017, signed and sealed by Javad Ahmad, P.E.

G. OTHERS

1. This NOA revises NOA #15-0707.02, expiring on 06/10/19.

3. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No. W15-26 Rev B, titled "Alum Single Outswing Entrance Door (L.M.I.)", sheets 1 through 4 of 4, dated 06/25/15 and last revised on MAR 27, 2018, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

- 1. None.
- C. CALCULATIONS
 - 2. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0712.05** issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers", expiring on 5/21/21.

F. STATEMENTS

1. Statement letter of conformance to **FBC 6th Edition (2017)** and of no financial interest, prepared by Al Farooq Corporation, dated 12/1017, signed and sealed by Javad Ahmad, P.E.

G. OTHERS

1. This NOA renews NOA #18-0116.02, expiring on 06/10/24.

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4. **NEW EVIDENCE SUBMITTED**

A. DRAWINGS

1. Drawing **No. W15-26 Rev C**, titled "Alum Single Outswing Entrance Door (L.M.I.)", sheets 1 through 4 of 4, dated 06/25/15 and last revised on DEC 11, 2020, 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 (2020)**, dated 12/11/20, 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)

F. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0712.05** issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers", expiring on 5/21/21.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC** 7th **Edition (2020)**, dated 11/12/20, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

1. This NOA revises NOA #19-0318.02, expiring on 06/10/24.

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GREEN SUSTAINABLE ATTRIBUTES (GSA)

SCOPE: This document is solely for the purpose of verification of Sustainable Attributes of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control.

G.8 – U-FACTOR (THERMAL TRANSMITTANCE) BTU/HR-FT²-⁰F G.9 – SHGC–FACTOR (SOLAR HEAT GAIN COEFFICIENT) BTU/HR–FT²

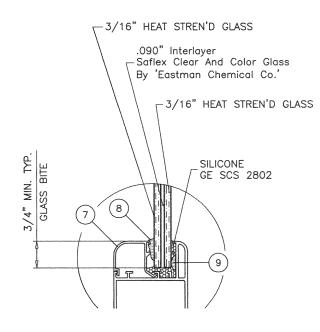
VT – VISIBLE LIGHT TRANSMITTANCE AT NORMAL INCIDENCE

CR-	CR-CONDENSATION RESISTANCE									
ID#	Test Report#:	Glazing Components:		G.9: SHGC	VT	CR	Glass Type Approved in this NOA Approval			
	Base line Product	3/16" LoE 340-ARG-3/16" CLR-090 PVB-3/16" CLR	0.63	-	-	-	No			
1.	Fenestration	3/16" LoE 366-ARG-3/16" CLR-090 PVB-3/16" CLR	0.63	0.14	0.22	20	No			
2.	Testing	3/16" LoE 366-ARG-3/16" CLR-090 PVB-3/16" CLR	0.63	0.20	0.37	20	No			
3.	Laboratory	3/16" LoE-ARG-3/16" CLR-090 PVB-3/16" i89	0.59	0.19	0.37	19	No			
4.	#8367	3/16" CLR-ARG-3/16" CLR-090 PVB-3/16" CLR	0.74	0.45	0.47	19	No			
		3/16" CLR-ARG-3/16" CLR-030 PVB-030 BRZ PVB-030 CLR PVB-3/16" CLR	0.74	0.42	0.26	19	No			
		3/16" CLR-ARG-3/16" CLR-030 PVB-030 GRY PVB-030 CLR PVB-3/16" CLR	0.74	0.42	0023	19	No			
5.		3/16" LoE 366- 090 PVB-3/16" i89	0.83	0.22	0.36	10	Yes			
6.		3/16" LoE 340- 090 PVB-3/16" i89	0.83	0.17	0.22	10	Yes			
7.		3/16" CLR-3/16" CLR-030 PVB-030 BRZ PVB-030 CLR PVB-3/16" CLR	1.04	0.28	0.04	16	No			
		3/16" CLR-090 PVB CLR-3/16" CLR	1.04	0.48	0.52	16	Yes			
		3/16" CLR-3/16" CLR-030 PVB-030 GRY PVB-030 CLR PVB-3/16" CLR	1.04	0.31	0.07	16	No			
8.		3/16" Solexia-090 PVB-3/16" CLR	1.04	0.40	0.47	16	Yes			
9.		3/16" LoE 366-090 PVB-3/16" CLR	1.04	0.24	0.37	16	Yes			
10.		3/16" LoE 340-090 PVB-3/16" CLR	1.04	0.21	0.22	16	Yes			
11.		3/16" GRY-090 PVB-3/16" LoE366	1.04	0.26	0.21	16	Yes			

Legend						
Abbreviations:	Description:					
SS–D	Desice	ant–Filled Stainless Ste	eel Spacer			
240#2	Cardina	lLow E 240 @ #2 Surf	ace Typical			
ARG	90% Argon					
PVB	0.090" I	olyvinyl Butryal (PVB) interlayer			
CLR		Clear Glass				
BRZ		Bronze Tint Glass				
GRN		Green Tint Glass				
GRY	Gray Tint Glass					
LoE	Low E Coating					
Cardinal	LoE 340	e=0.028				
Cardinal	LoE 366	e=0.022				
Cardinal	LoE i89	e=0.149	Shag			

Low E Coatings Used:

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7/16" LAM. GLASS

GLAZING DETAIL

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

ALUMINUM SINGLE OUTSWING ENTRANCE DOOR

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)

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 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.

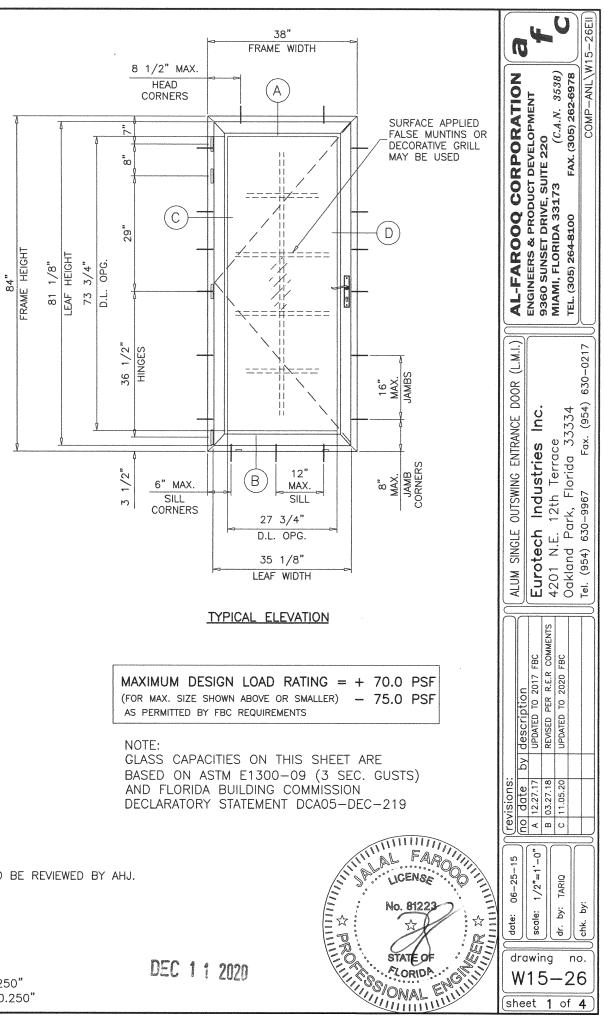
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 20-1216.20

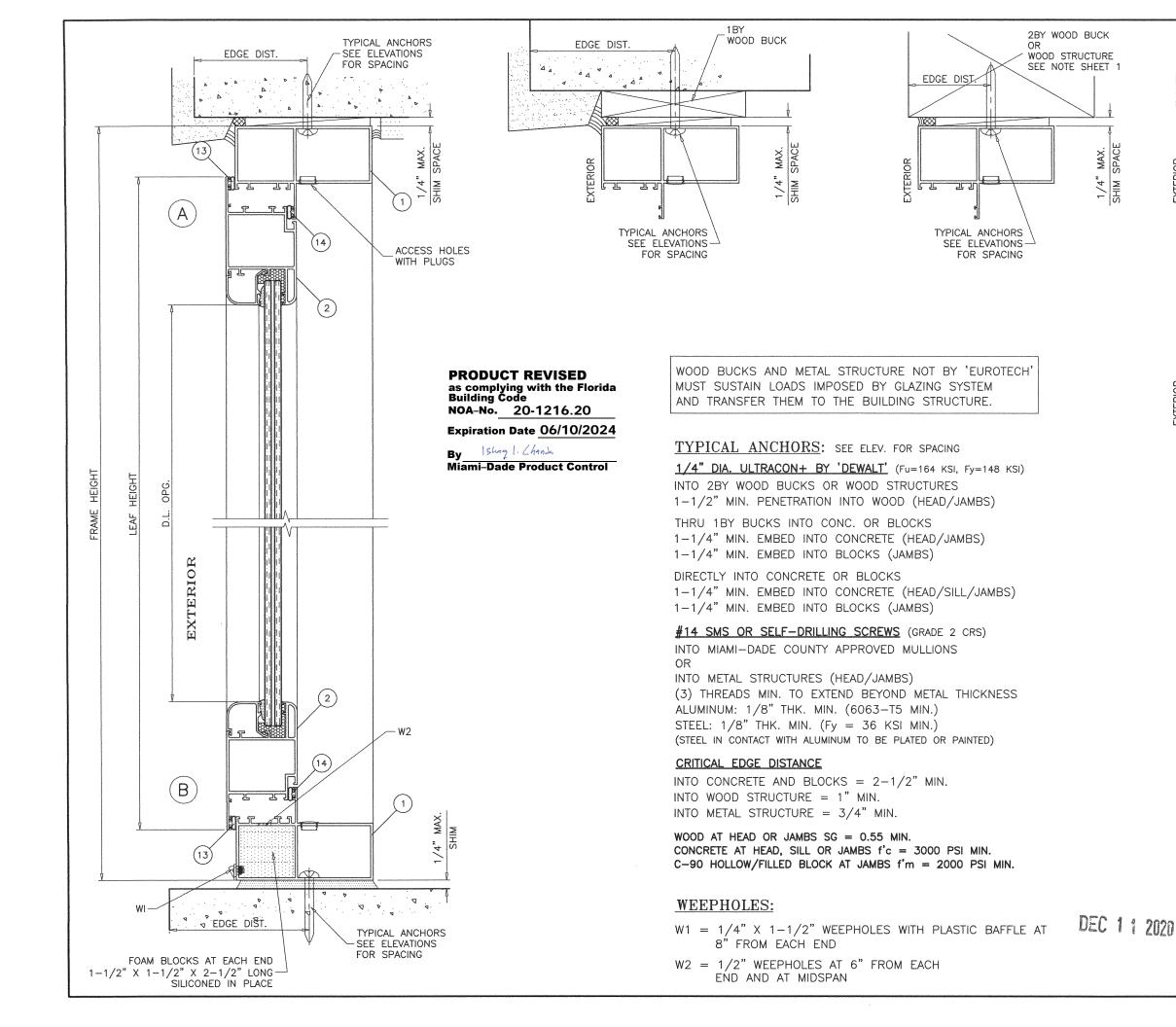
Expiration Date 06/10/2024

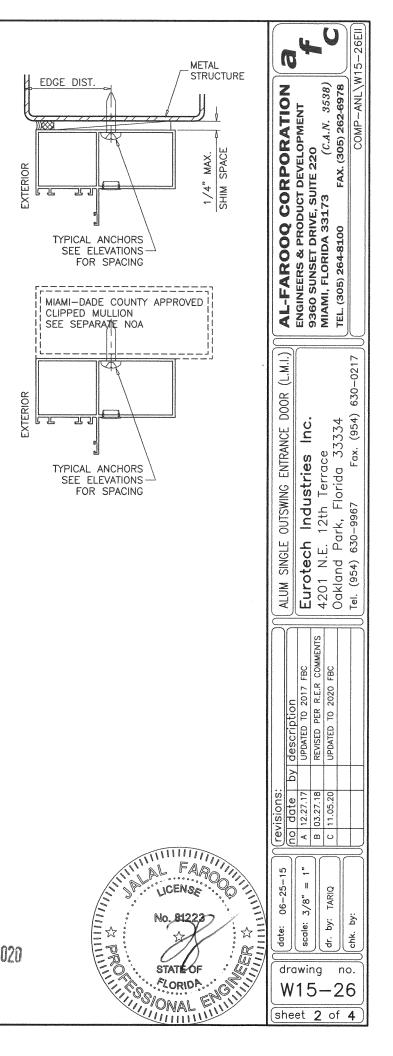
Ishag 1. Chanda By Miami-Dade Product Control

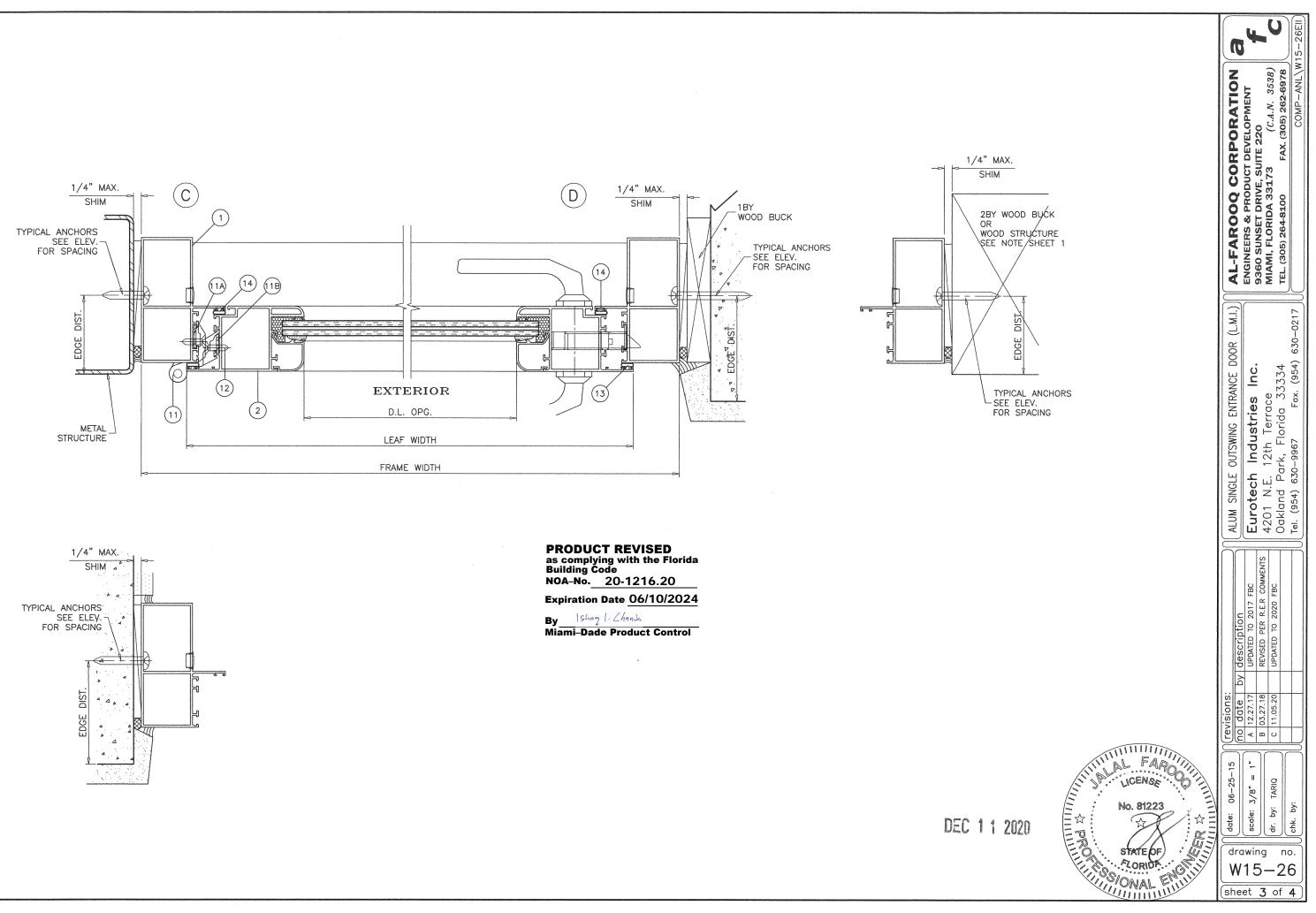


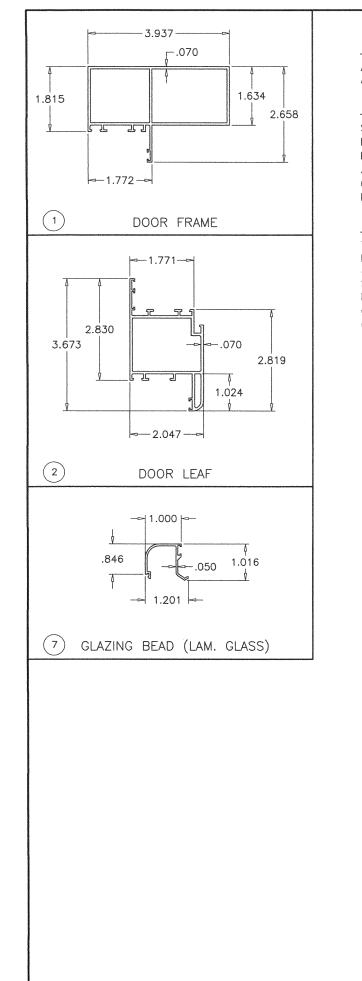
NOTE: APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY AHJ.

GLASS D.L.O. FORMULAE: D.L.O. WIDTH = FRAME WIDTH - 10.250" D.L.O. HEIGHT = FRAME HEIGHT - 10.250"









SEALANTS:

ALL FRAME AND LEAF CORNERS AND JOINTS SEALED WITH ADSEL OR TEKNA 50729 SEALANTS.

LOCKS:

SINGLE POINT MORTISE LOCK WITH SWING BOLT BY 'CISA' LOCATED AT 35-/2" FROM BOTTOM FASTENED TO LOCK STILE WITH (2) #8 X 3/8" FH SMS ALUMINUM STRIKE PLATE BY 'CISA' FACING LOCK (1" WIDE X .295" THK. X 9" LONG) FASTENED TO FRAME JAMB WITH (2) #10 X 1" FH SMS

HINGES:

TWO HANDED COMB HINGE EXTRUDED ALUMINUM BRIDGE 2 BY 'GIESSE 4 HINGES PER LEAF SEE ELEVATION FOR SPACING HINGES FASTENED WITH #10 X 3/8" FH SMS (2) SCREWS AT HINGE STILE (2) SCREWS AT FRAME JAMB

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ITEM #	PART #	REQD.	DESCRIPTION
1	ER006	AS REQD.	DOOR FRAME
2	ER012	AS REQD.	DOOR LEAF
6	-	AS REQD.	SETTING BLOCKS AT 1/4 POINTS
7	VZ-1535	4/ LEAF	GLAZING BEAD (LAM. GLASS)
8	2801	AS REQD.	GLAZING GASKET
9	-	AS REQD.	SILICONE SPACER
10	1001/50	1/ CORNER	CORNER KEY
11	00600X	4/ LEAF	HINGES
11A	-	1/ HINGE	FIXING PLATE AT FRAME JAMB
11B	-	1/ HINGE	FIXING PLATE AT HINGE STILE
12	#10 X 3/8"	4/ HINGE	HINGE INSTALLATION SCREWS
13	03030	AS REQD.	BULB W'STRIPPING AT LEAF
14	03017	AS REQD.	BULB W'STRIPPING AT FRAME
15	#12 X 1-1/4		FRAME ASSEMBLY SCREWS

PRODUCT REVISED

as complying with the Florida Building Code NOA-No. 20-1216.20

Expiration Date 06/10/2024

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