

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

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF A CCEPT ANCE (NO. A.)

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

PRODUCT CONTROL SECTION

MIAMI-DADE COUNTY

NOTICE OF ACCEPTANCE (NOA)

Miami Wall Systems, Inc., 701 W. 25th Street, Hialeah, Florida 33010

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 "4500" Aluminum French Doors -LMI

APPROVAL DOCUMENT: Drawing No. **4500 LMI Rev 1**, titled "French Door Series 4500", sheets 1 through 8 of 8, dated 10-18-2019 and last revised on MAR 23, 2021, prepared by manufacturer, signed and sealed by Jorge E. Valdes, 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 Limitations:

- 1. See Design Pressure (**DP**) Vs Frame width & Height sizes and glass types and DLO, in sheets 1 & 2.
- 2. See Head & Sill anchor Clusters at astragal end for wood substrates in sheet 1. See Steel substrate note in sheet 4.
- 3. Grouted CMU or block is required at jambs.
- 4. See additional locking (item #18) required at inactive leaf, beside the Flush bolts (top/bottom).

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 #19-1113.03 consists of this page 1 and evidence page E-1 & E-2, as well as approval document mentioned above.

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

MIAMIDADE COUNTY APPROVED

Ishag 1. Chanle

NOA No. 21-0325.08 Expiration Date: January 30, 2025 Approval Date: May 20, 2021

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. **4500 LMI**, titled "French Door Series 4500", sheets 1 through 8 of 8, dated 10-18-2019 and last revised on 01/16/2020, prepared by manufacturer, signed and sealed by Jorge E. Valdes, 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
- 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with installation diagram of Aluminum French glass Doors, prepared by Fenestration Testing Lab. Inc., Test reports # **FTL 8860** dated 05/06/16 & **FTL 10648** dated 04/01/19 both signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis dated NOV 08, 2019 and revised on 01/16/2020 prepared, signed and sealed by Jorge E. Valdes, P.E.
- 2. Glazing complies w/ ASTME-1300-04 &-09.

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. (former E.I. DuPont DE Nemours & Co., Inc.) for the "Sentry Glass ® Interlayer", expiring on 07/04/23.
- 2. Notice of Acceptance No. 17-0712.05 issued to Eastman Chemical Company (MA) former Solutia Inc. for their "Saflex Clear or colored interlayer", expiring on 05/21/21.

F. STATEMENTS

- 1. Statement letter of conformance to FBC 2017 (6th Edition) and letter of no financial interest dated Nov 08, 2019, prepared, signed and sealed by Jorge E. Valdes, P.E.
- 2. Lab compliance as part of the above referenced test reports.

G. OTHER

1. Test proposal # **15-2283** dated JAN 11, 2016, approved by RER.

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Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 21-0325.08
Expiration Date: January 30, 2025

Approval Date: May20,2021

Miami Wall Systems, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New Evidence submitted

A. DRAWINGS

1. Drawing No. **4500 LMI Rev 1**, titled "French Door Series 4500", sheets 1 through 8 of 8, dated 10-18-2019 and last revised on MAR 23, 2021, prepared by manufacturer, signed and sealed by Jorge E. Valdes, P. E.

Note: This revision consists of FBC 2020 code edition updated only.

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. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for the "Sentry Glass ® Interlayer", expiring on 07/04/23.
- 2 Notice of Acceptance No. 21-0210.01 issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers", expiring on 05/21/26.

F. STATEMENTS

- 1. Statement letter of conformance to FBC 2020 (7th Edition), dated MAR 23, 2021, prepared, signed and sealed by Jorge E. Valdes, P.E.
- 2. Statement dated 03/25/21, clarifying the only change in Dwg. is general note updating FBC code edition, signed by Jorge Valdes, P.E.

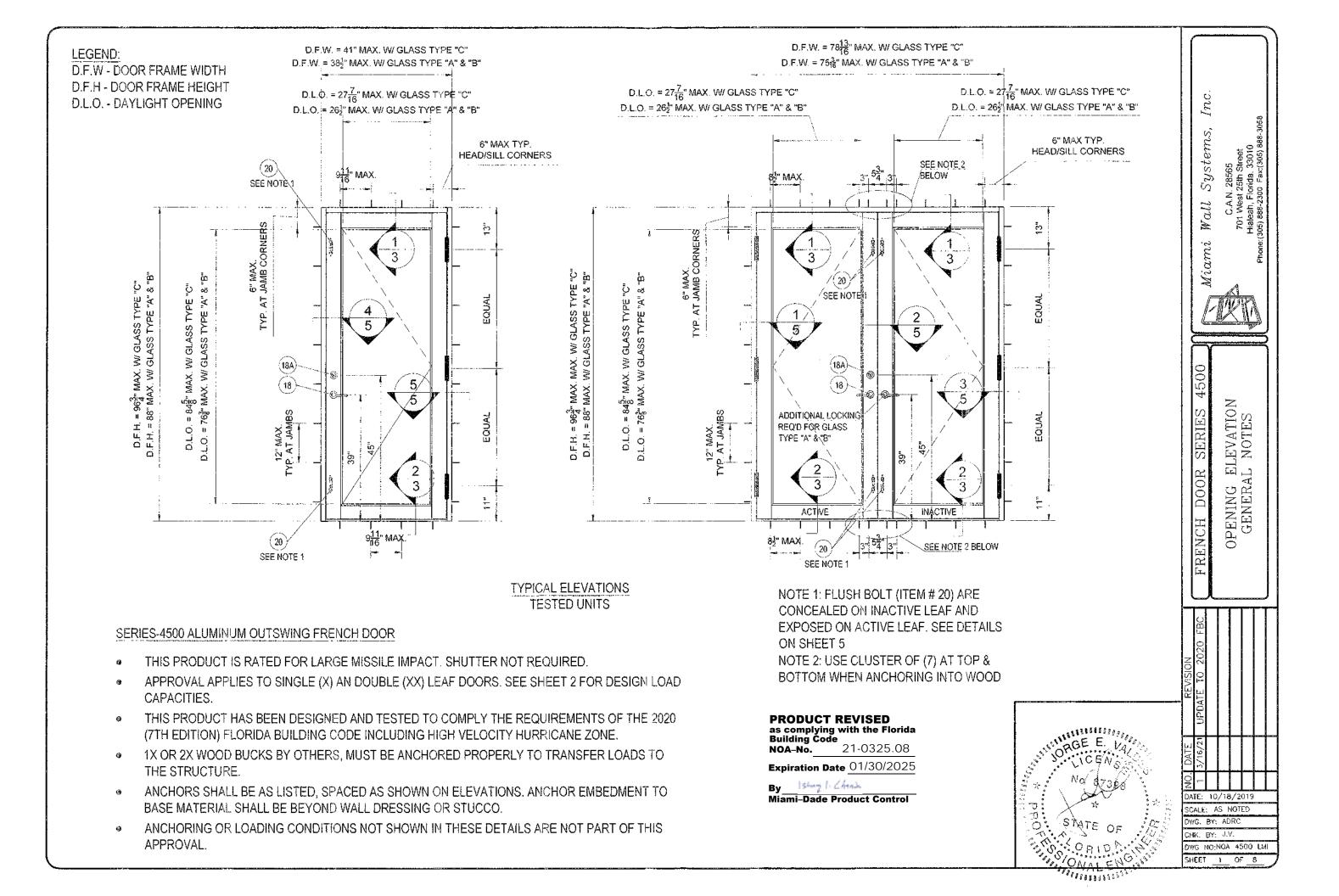
G. OTHER

1. This NOA revises #19-1113.03, expiring 05/21/2025.

Ishag 1. Chanda

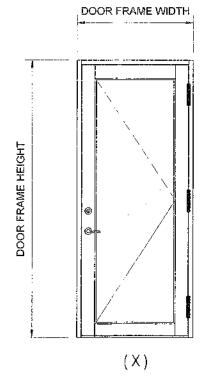
Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 21-0325.08
Expiration Date: January 30, 2025

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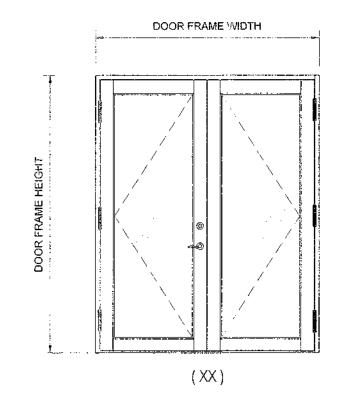


DESIGN LOAD CAPACITY - PSF - (X) DOORS								
FRAME WIDTH	FRAME HEIGHT	GLASS TYPES						
		'A' & 'B'		'C'				
		EXT (+)	INT (-)	EXT (+)	INT (-)			
38 7 "	88"	+75.0	-75.0	+75.0	-114.0			
41"	96¾"	-	-	+75.0	-114.0			

DESIGN LOAD CAPACITY - PSF - (XX) DOORS								
FRAME WIDTH	FRAME HEIGHT	GLASS TYPES						
		'A' & 'B'		'C'				
		EXT (+)	INT (-)	EXT (+)	INT (-)			
75 <u>3</u> "	88"	+75.0	-75.0	+75.0	-114.0			
78 13 1	96 ³ "	-	-	+75.0	-114.0			



DOOR PANEL WIDTH = D.F.W - 2_2^{10} DOOR PANEL HEIGHT = D.F.H - 2_2^{10}



DOUBLE DOORS
DOOR PANEL WIDTH = D.F.W - 1.8"

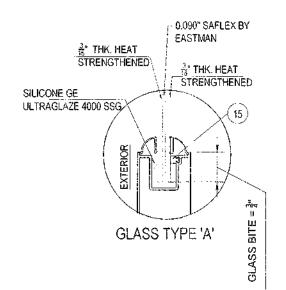
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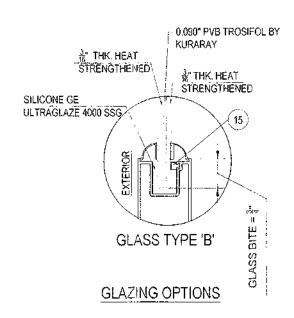
DOOR PANEL HEIGHT = D.F.H - 2_2^{10}

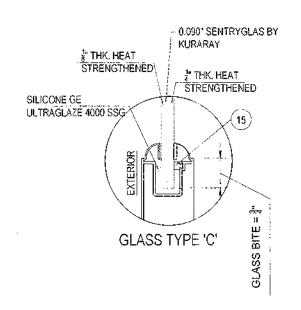
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0325.08

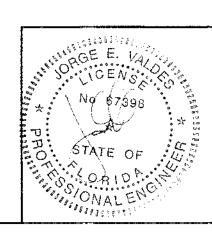
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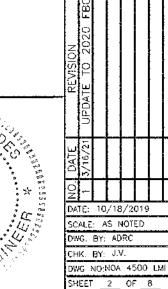
By Shop I Chink
Miami-Dade Product Control











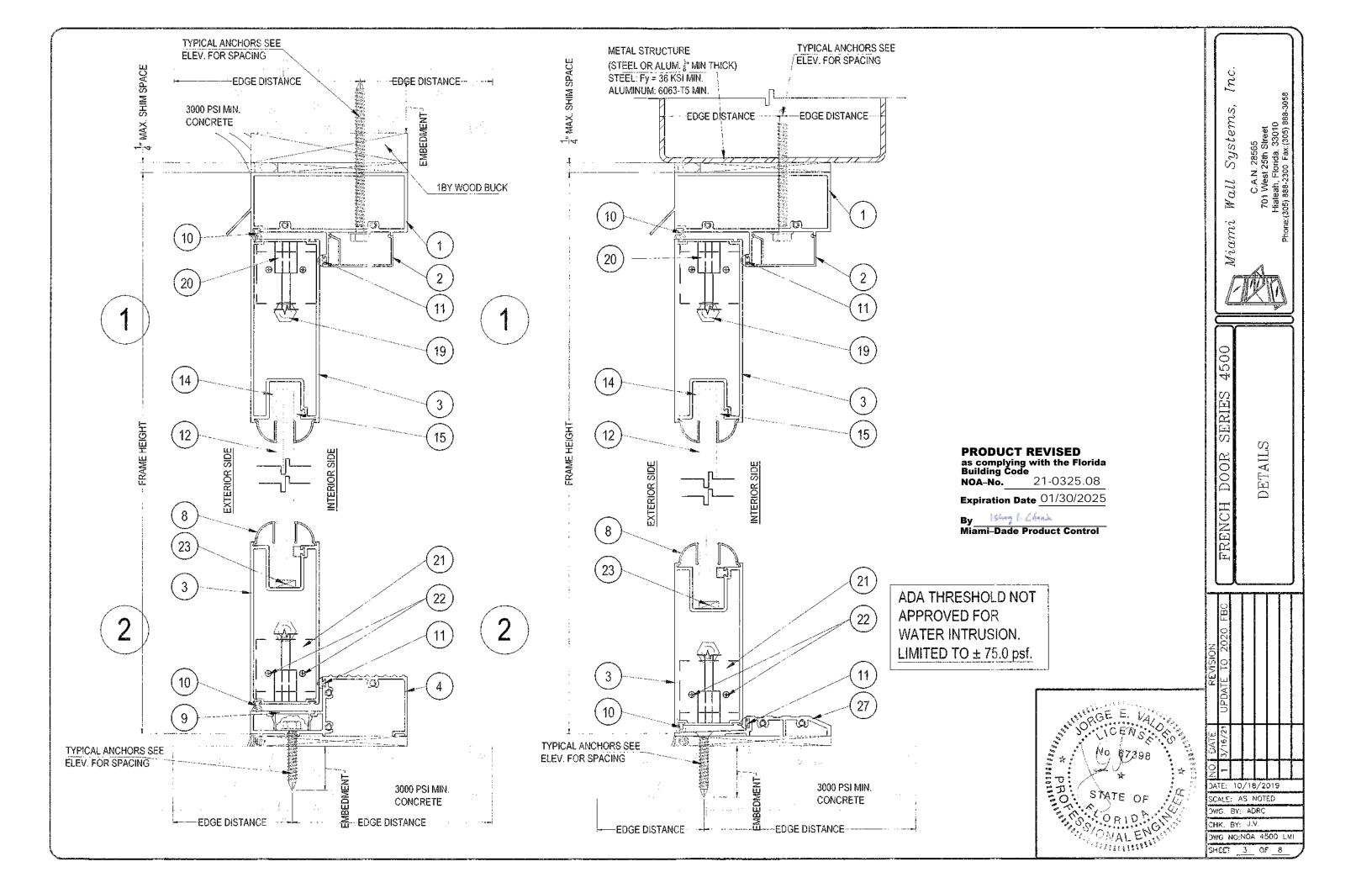
Systems,

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Miami

CAPACITIES

LOAD



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. CRETE-FLEX SS4 BY "ELCO" (Fu=190 KS1, Fy=127 KSI)
1/4" DIA. ULTRACON SS4 410 BY "ELCO" (Fu=190 KS1, Fy=164 KSI)
1/4" DIA. ULTRACON BY "ELCO" (Fu=177 KS1, Fy=155 KSI)

INTO 2BY BUCKS OR WOOD STRUCTURES:

12 MIN. PENETRATION INTO WOOD (HEAD / SILL / JAMBS).

THRU 1BY BUCKS INTO CONCRETE OR BLOCKS:

- 13" MIN. EMBED INTO CONCRETE (HEAD / SILL)
- 13 MIN. EMBED INTO CONCRETE OR BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS

- 13" MIN. EMBED INTO CONCRETE (HEAD / SILL)
- 13 MIN. EMBED INTO CONCRETE OR BLOCKS (JAMBS)

1/4" DIA. DRIL-FLEX SELF DRILLING SCREWS BY "ELCO" (GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD / SILL / JAMBS) (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: \$\frac{1}{2}"\text{THICK. MIN.} (6063-T5 MIN.)

STEEL: $\frac{1}{8}$ THICK. MIN. (Fy = 36 KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCE

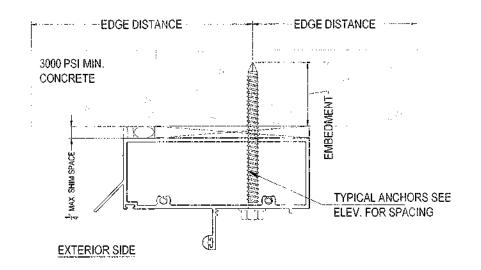
INTO CONCRETE AT HEAD OR INTO CONCRETE / BLOCKS AT JAMBS = $2\frac{1}{2}$ " MIN.

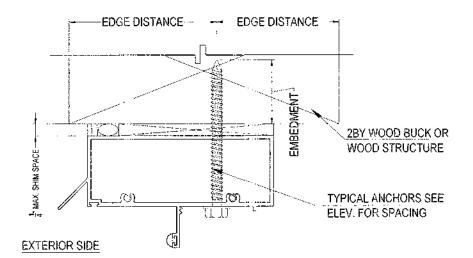
INTO CONCRETE AT SILL = 21" MIN.

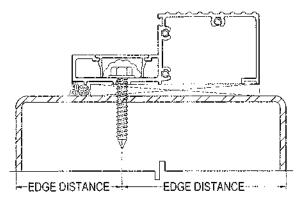
INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = $\frac{3}{4}$ " MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS fc = 3000 PSI MIN.
C-90 HOLOW/FILLED BLOCK AT JAMBS fm = 2000 PSI MIN.



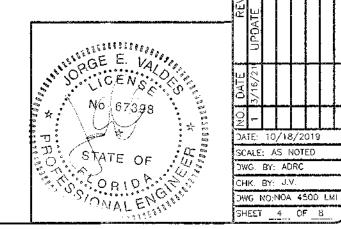




NOTE: METAL SUBSTRATE TO BE REVIEWED BY BUILDING OFFICIAL FOR ADDITIONAL DEAD LOAD., UNDER SEPARATE APPROVAL

product revised as complying with the Florida Building Code
NOA-No. 21-0325.08

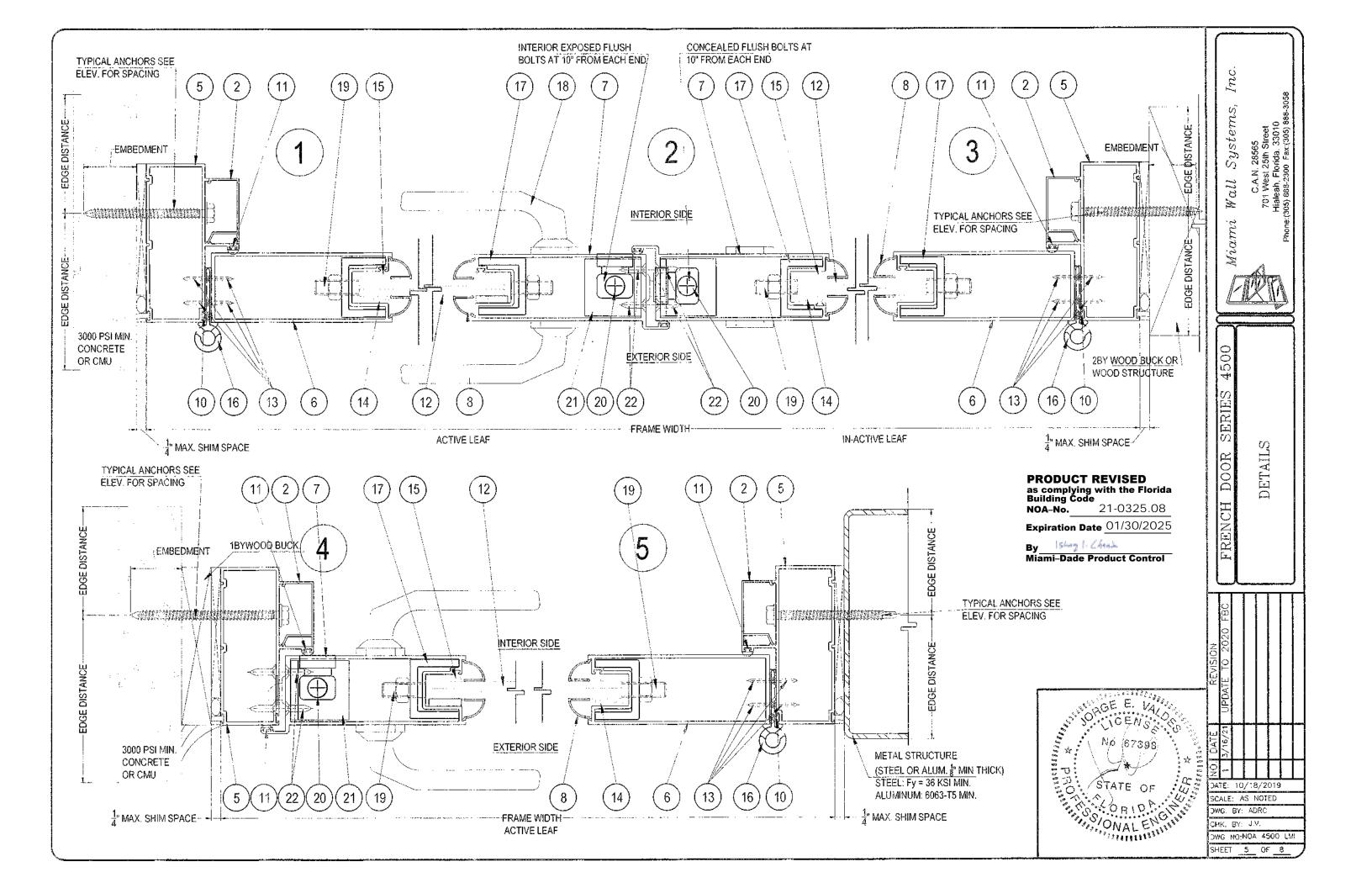
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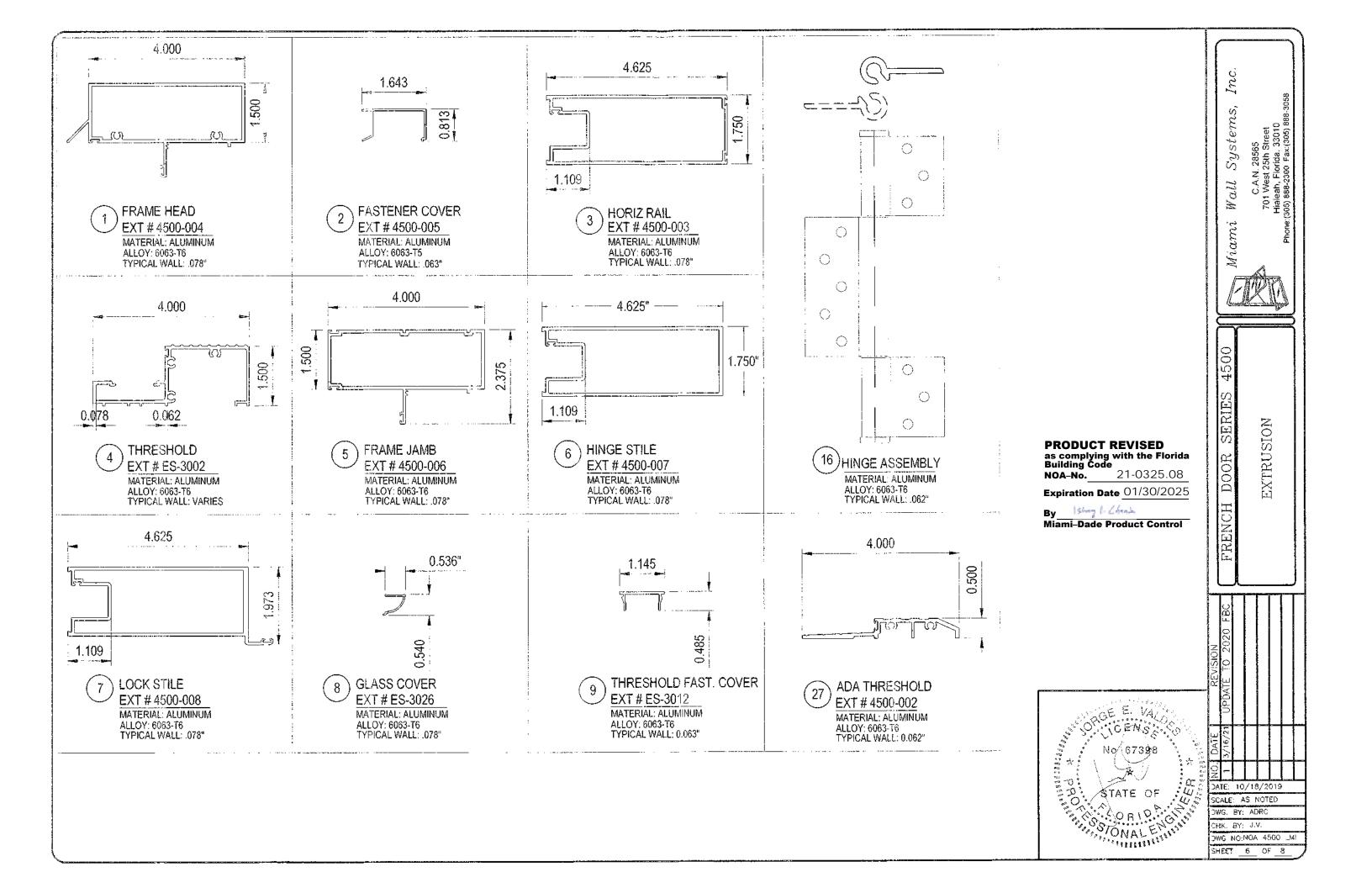


ETAIL DATE: 10/18/2019 SCALE: AS NOTED DWG. BY: ADRC CHK, BY: J.V.

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Miami



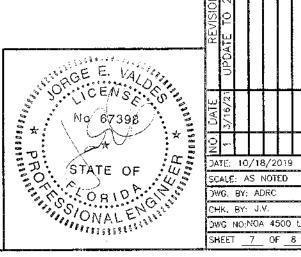


BILL OF MATERIALS					
ITEM No.	PART No.	REQ'D	PART NAME	REMARKS	
1	4500-004	1	FRAME HEAD	ALUMINUM ALLOY 6063-T6	
2	4500-005	3	FASTENER COVER	ALUMINUM ALLOY 6063-T6	
3	4500-003	2	HORIZONTAL RAIL	ALUMINUM ALLOY 6063-T6	
4	ES-3002	1	TRESHOLD	ALUMINUM ALLOY 6063-T6	
5	4500-006	2	FRAME JAMB	ALUMINUM ALLOY 6063-T6	
6	4500-007	1 PER LEAF	HINGE STILE	ALUMINUM ALLOY 6063-T6	
7	4500-008	1 PER LEAF	LOCK STILE	ALUMINUM ALLOY 6063-T6	
8	ES-3026	8 PER LEAF	GLASS COVER	ALUMINUM ALLOY 6063-T6	
9	ES-3012	1	TRESHOLD FASTENER COVER	ALUMINUM ALLOY 6063-T6	
10	W22321NG	AS REQ'D	FIN SEAL	AT FRAME HEAD, JAMBS AND PANNEL BOTTOM	
11	E-202		BULB WEATHERSTRIPPING		
12		1 PER LEAF	LAMINATED GLASS		
13		11 PER HINGE	HINGE SCREWS	#12-24 x ½", FLAT HEAD, TYPE F	
14		AS REQ'D	SILICONE	GE ULTRAGLAZE 4000 SSG (TYP.)	
15	TR-0022168	AS REQ'D	GLASS VINIL GASKET		
16	FD-107-BK	3 PER LEAF	HINGE ASSEMBLY	ALUMINUM ALLOY 6063-T6	
17		4 PER LEAF	PANEL CLAMP	1^{1}_{2} "x 1^{1}_{8} " x $\frac{3}{16}$ " WALL THICKNESS X 2" LONG CHANNEL. ALUMINUM ALLOY 6063-T5	
18		1 PER LEAF	LOCK - ACTIVE LEAF W/ GLASS TYPE A, B & C. LOCK - INACTIVE LEAF W/ GLASS TYPE A & B.	SECURED WITH (2) SCREWS #12-28	
18A		1 PER INACTIVE LEAF	DEAD BOLT	SECURED WITH (2) SCREWS #8-32	
19		2 PER LEAF	THREADED ROD WITH NUTS & WASHERS	3_8 "-16, STAINLESS STEEL; 3_8 "-16 NUT; 3_8 " FLAT WASHER; 3_8 " LOCK WASHER	
20	FB-1202-K	2 PER LOCK STILE	FLUSH BOLT ACTIVATOR	CONCEALED AT INACTIVE LEAF (TOP & BOTTOM)	
21		2 PER LEAF	L-CLIP	$2" \times 2" \times \frac{3}{16}"$ WALL THICKNESS X $1\frac{9}{16}"$ LONG, ALUMINUM MILL FINISH	
22		2 PER L-CLIP	SCREWS FOR L-CLIP	#8 x ¾" FLAT HEAD, S/S, TYPE A	
23		2 PER LITE	SETTING BLOCK	4" X ½" X 着" X 4" LONG	
24		AS REQ'D	THRESHOLD, HEAD & JAMBS SCREWS	#14 HEX HEAD, SMS, TYPE A	
25		AS REQ'D	ADA THRESHOLD SCREWS	#14 FLAT HEAD, SMS, TYPE A	
26		AS REQ'D	FRAME ASSEMBLY SCREWS	#10 x 1 ² " PAN HEAD, SMS, S/S, TYPE A	
27	4500-002	1	ADA THRESHOLD	ALUMINUM ALLOY 6063-T6	

PRODUCT REVISED
as complying with the Florida
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NOA-No. 21-0325.08

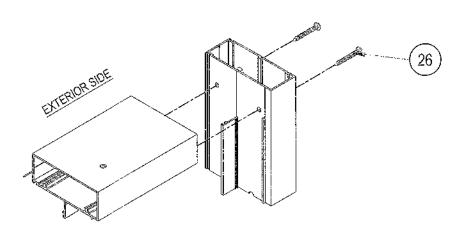
Expiration Date 01/30/2025

By Shap I Chank
Miami-Dade Product Control

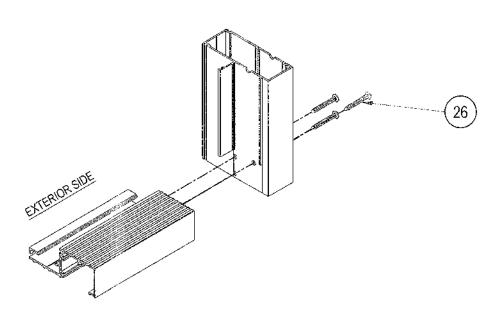


Wall Systems, MATERIALS Q.F.

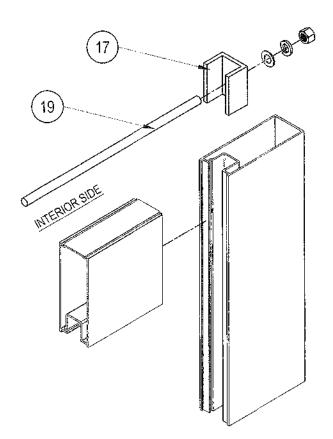
DATE: 10/18/2019 SCALE: AS NOTED DWG, BY; ADRC CHK, BY; J.V. DWG NO:NOA 4500 LMI



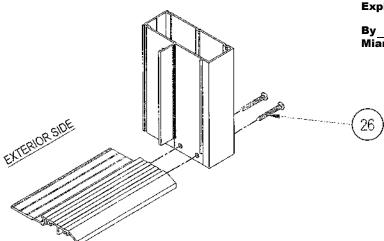
FRAME TOP CORNER



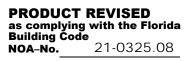
FRAME BOTTOM CORNER



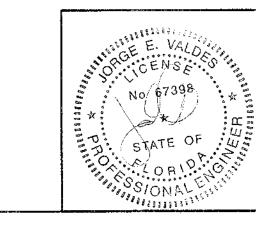
DOOR LEAF CORNER



FRAME BOTTOM CORNER (ADA THRESHOLD) LIMITED TO ±75 psf NOT RATED FOR WATER INTRUSION



Expiration Date 01/30/2025



 $W\alpha ll$ DETAILS

ASSEMBLY

DATE: 10/18/2019 SCALE: AS NOTED OWG. BY: ADRO CHK, BY: J.V.

DWG NO:NOA 4500 LM: