

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

CGI Windows & Doors, Inc. 3780 W. 104<sup>th</sup> Street Hialeah, FL 33018

#### 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 "Sentinel 165 Balcony Breeze" Single Inswing Aluminum door w/ SHW – LMI

**APPROVAL DOCUMENT:** Drawing No.165-IS-FD-LM Rev A (former 165FD-IS-NOA Rev A), titled "Series Sentinel 165 Balcony Breeze Aluminum Inswing Door", sheets 1 through 10 of 10, prepared by manufacturer, dated 07/14/20 and last revised on 07/09/23, signed and sealed by Lynn A. Miller, 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 sheets <u>2</u> for Design Pressure ratings, max. DLO (day light opening) and Threshold types. See sheet <u>7</u> for the door and the SHW (Single Hung Window) glazing options and limitations.
- 2. ADA saddle threshold (item #E-24) not rated for water infiltration, unless protected by FBC compliant overhang.
- 3. The latch lock (item #M-20& #M-22) and 3-point CGI lock mechanism w/ dead bolts (item #M-21 & M-23) are integral part of each door w/SHW. Also, the SHW is <u>integral</u> part of the single Door.
- 4. The Exterior lite of insulated laminated SHW using glazing option **F**, must be tempered, when used above 30' above the grade (Small Missile Impact area).

**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 #21-0510.05 consists of this page 1 and evidence pages E-1, E-2, E-3, E4, E-5 & E-6, as well as approval document mentioned above.

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



Ishag 1. Chandes

NOA No. 23-0717.05 Expiration Date: July 28, 2026 Approval Date: August 03, 2023 Page 1

#### 1. Evidence submitted under previous approvals

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections (submitted under file below)
- 2. Drawing No.**AD16-04**, titled "Series Sentinel 165 Balcony Breeze Aluminum Inswing Door", sheets 1 through 13 of 13, prepared by MCY Engineering, Inc., dated JUL 05, 2016, signed and sealed by Yiping Wang, P.E.

#### **B. TESTS** (submitted under files **#16-0329.02**)

- 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 (Std Threshold # E-6)
  - 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 manufacturer's parts and section drawing marked-up drawings of single aluminum Inswing door w/ SHW, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTL 3076-1W**, dated 12/21/15 for specimen #4, 5, & 6, signed and sealed by Ramesh Patel, P.E.

Along with manufacturer's parts and section drawing marked-up drawings of single aluminum Outswing door w/ SHW, prepared by Certified Testing Laboratories, Inc., Test Report No. CTL **3076W**, dated 12/20/15 for specimen #1, 2, & 3, signed and sealed by Ramesh Patel, P.E. (Note: The above test reports have been revised by an addendum letter issued by Certified Testing lab dated June 27, 2016, signed and sealed by Ramesh Patel, P.E.)

2. REF test report HTL 0080-912-97 per SFBC PA 202, 201/203-94.

#### C. CALCULATIONS (submitted under files #16-0329.02)

- 1. Anchor verification calculations and structural analysis, complying with FBC-2014(**5<sup>th</sup> Edition**), prepared by MCY Engineering, Inc., dated MAR 18, 2016, signed and sealed by Yiping Wang, P.E.
- 2. Glazing complies w/ ASTME-1300-02, -04 & -09.

# D. QUALITY ASSURANCE

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

# E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. **14-0916.11** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the "Sentry Glass ® Interlayer", expiring on 07/4/17.
- 2. Notice of Acceptance No. 16-117.01 issued to Kuraray America, Inc. (Former E.I. DuPont DeNemours & Co., Inc. for the "Kuraray Trofosil Ultra clear and color PVB Interlayer (Former Kuraray Butacite ® PVB interlayer)", expiring on 07/08/19.
- Notice of Acceptance No. 14–0423.15 issued to Eastman Chemical Company (MA) (Former Solutia, Inc.) for the "Saflex CP - Saflex and Saflex HP Composite Glass Interlayers w/ PET Core", expiring on 12/11/18.

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#### F. STATEMENTS

- 1. Statement letter of conformance to FBC 2014(5<sup>th</sup> Edition) and letter of no financial interest, prepared by MCY Engineering, Inc., dated MAR 14, 2016, signed and sealed by Yiping Wang, P.E.
- 2. Lab compliance and addendum letters, as part of the above referenced test reports.

#### G. OTHER

- 1. This NOA revises #16-0329.02, expiring July 18, 2021.
- 2. Test proposal dated 03/21/15 approved by RER.

#### 2. Evidence submitted under previous approval.

#### A. DRAWINGS

1. Drawing No.**18-26D Rev A**, titled "Series Sentinel 165 Balcony Breeze Aluminum Inswing Door", sheets 1 through 15 of 15, prepared by AL-Farooq Corporation, dated 01/23/18 and last revised on MAY 02, 2018, signed and sealed by Javad Ahmad, 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 (Std Threshold # E-6)
- 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 manufacturer's parts and section drawing marked-up drawings of aluminum In/out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-0080-0304-11** dated 08/03/2011 for specimens #2, 5, 9 12 & 15 (Inswing) and specimens #1, 4, 7 & 8 (outswing) tested per TAS 201, 202 & 203-94, signed and sealed by Vinu Abraham, P.E.

Along with manufacturer's parts and section drawing marked-up drawings of aluminum In/out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-97055 (0080-912-97)** dated 09/23/97 thru 02/27/98 for specimen #1, 2, **3**, 4 tested per PA202-94, specimen #4, 5A, 5B, 5C tested per PA201-94 & PA203-94, signed and sealed by Timothy S. Marshall, P.E. (submitted under file # **09-0723.04:** Original tests conducted per SFBC, PA 201, 202 & 203-94 now known as FBC, TAS 201, 202 & 203-94)

# C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 2017** (6<sup>th</sup> Edition), prepared by Al–Farooq Corporation, dated 02/28/18, signed and sealed by Javad Ahmad, P. E.

#### **D. QUALITY ASSURANCE**

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

#### E. **MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the "Sentry Glass ® Interlayer", expiring on 07/4/18.

#### F. **STATEMENTS**

- 1. Statement letter of conformance to FBC 6<sup>th</sup> Edition (2017) and of no financial interest, prepared by Al Farooq Corporation, dated 03/05/18, signed and sealed by Javad Ahmad, P.E.
- 2. Statement letter dated May 01, 2018, issued by Al-Farooq Corporation of "Adoption of another Engineer's work" per FLA chapter 61G15-27, signed by Javad Ahmad, P.E.
- 3. Statement letter of ADA threshold evaluation dated FEB 21, 2017, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.

#### G. **OTHER**

1. This NOA revises NOA # 16-0329.02, expiring 07/28/21.

#### 3. **Evidence submitted under previous approval**

#### **DRAWINGS** A.

1. Drawing No.165FD-IS-NOA Rev A (former 18-26D Rev A), titled "Series Sentinel 165 Balcony Breeze Aluminum Inswing Door", sheets 1 through 10 of 10, prepared by manufacturer, dated 07/14/20, signed and sealed by Lynn A. Miller, P.E.

#### **TESTS** B.

- **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 all CGI Windows and Doors, Inc. and PGT Industries, Inc., representative units listed below and tested to qualify **Dowsil 791** and **Dowsil** 983 silicones, per Proposal #19-1155TP, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:

#### **CGI Windows and Doors Inc. test specimens:**

FTL-20-2108.1, CGI SH360 Aluminum Single Hung Window (unit 1 in proposal) FTL-20-2108.2, CGI CA238 Alum. Outswing Casement Window (unit 2 in proposal) FTL-20-2108.3, CGI SGD560 Aluminum Sliding Glass Door (unit 3 in proposal) FTL-20-2108.4, CGI PW410 Aluminum Fixed Window (unit 4 in proposal) and FTL-20-2108.5, CGI SH360 Aluminum Single Hung Window (unit 5 in proposal) all dated 08/24/20 and signed and sealed by Idalmis Ortega, P.E.

#### **PGT Industries, Inc. test specimens:**

FTL-7897, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14,

FTL-20-2107.1, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal) FTL-20-2107.2, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal) FTL-20-2107.3, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and FTL-20-2107.4, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal) all dated 07/13/20 and signed and sealed by Idalmis Ortega, P.E.

Ishaq I. Chande

Ishaq I. Chanda, P.E. **Product Control Unit Supervisor** NOA No 23-0717.05 **Expiration Date: July 28, 2026** Approval Date: August 03, 2023

### C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC 2020, 7<sup>th</sup> Edition, prepared by manufacturer, dated 07/14/20, signed and sealed by A. Lynn Miller, P. E.
- 2. Glazing complies with ASTM E1300–04, -09, -12 and -16.

### 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 07/4/23.
- 2. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America**, **Inc.** (Former E.I. DuPont DE Nemours & Co., Inc. for the "Kuraray Trofosil Ultra clear and color PVB Interlayer (Former Kuraray **Butacite ® PVB interlayer**)", expiring on 07/08/24.
- Notice of Acceptance No. 18–0301.06 issued to Eastman Chemical Company (MA) (Former Solutia, Inc.) for the "Saflex CP - Saflex and Saflex HP Composite Glass Interlayers w/ PET Core", expiring on 12/11/23.

# F. STATEMENTS

- 1. Statement letter of conformance to FBC 2020 (7<sup>th</sup> Edition), issued by manufacturer, dated 07/14/20, signed and sealed by Lynn Miller, P. E.
- 2. Notification of Successor Engineer per the Florida Administrative Code Section 61G15-27.001, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated 06/12/20, signed and sealed by A. Lynn Miller, P.E.

# G. OTHER

- 1. This NOA revises 17-0227.12 and updates FBC2020 expiring 10/25/22.
- 2. RER Test proposals #19-1155 dated 01/10/20 approved by Ishaq I. Chanda, P.E.

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#### 4. Evidence submitted under previous approval

#### A. DRAWINGS

1. Drawing No.165FD-IS-NOA Rev A (former 18-26D Rev A), titled "Series Sentinel 165 Balcony Breeze Aluminum Inswing Door", sheets 1 through 10 of 10, prepared by manufacturer, dated 07/14/20, signed and sealed by Lynn A. Miller, 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. 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 07/4/23.
- Notice of Acceptance No. 18–0301.06 issued to Eastman Chemical Company (MA) (Former Solutia, Inc.) for the "Saflex CP - Saflex and Saflex HP Composite Glass Interlayers w/ PET Core", expiring on 12/11/23.

#### F. STATEMENTS (submitted under file #20-0722.15)

1. Statement letter of conformance to FBC 2020 (7<sup>th</sup> Edition), issued by manufacturer, dated 07/14/20, signed and sealed by Lynn Miller, P. E.

# G. OTHER

1. This NOA renews #20-0722.15, expiring 07/28/26.

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#### CGI Windows & Doors, Inc.

#### **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

5. New Evidence submitted

#### A. DRAWINGS

- 1. Drawing No.**165-IS-FD-LM** Rev A (former **165FD-IS-NOA Rev A**), titled "Series Sentinel 165 Balcony Breeze Aluminum Inswing Door", sheets 1 through 10 of 10, prepared by manufacturer, dated 07/14/20 and last revised on 07/09/23, signed and sealed by Lynn A. Miller, P.E.
- **B. TESTS** (submitted under previous approval)
  - 1. None.
- C. CALCULATIONS (submitted under previous approval)
  - 1. None.

#### D. QUALITY ASSURANCE

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

#### E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. **22-1116.01** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for the "Sentry Glass ® Interlayer", expiring on 07/4/28.
- Notice of Acceptance No. 19-0305.02 issued to Kuraray America, Inc. (Former E.I. DuPont DE Nemours & Co., Inc. for the "Kuraray Trofosil Ultra clear and color PVB Interlayer (Former Kuraray Butacite ® PVB interlayer)", expiring on 07/08/24.
- Notice of Acceptance No. 18–0301.06 issued to Eastman Chemical Company (MA) (Former Solutia, Inc.) for the "Saflex CP - Saflex and Saflex HP Composite Glass Interlayers w/ PET Core", expiring on 12/11/23.

#### G. STATEMENTS

- 1. Statement letter of conformance, complying with FBC 7<sup>th</sup> Edition (2020) and the FBC 8<sup>th</sup> Edition (2023), dated 07-09-23, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- 2. Statement letter of conformance to FBC 2020 (7<sup>th</sup> Edition), issued by manufacturer, dated 07/14/20, signed and sealed by Lynn Miller, P. E.

#### G. OTHER

1. This NOA revises NOA #21-0510.05 and updates FBC 2023 (8th Edition), expiring 07/28/26.

Ishaq I. Chande Ishaq I. Chanda, P.E.

Ishaq I. Chanda, P.E. Product Control Unit Supervisor NOA No 23-0717.05 Expiration Date: July 28, 2026 Approval Date: August 03, 2023

#### DESIGN PRESSURE RATING SEE TABLES ON SHEETS 2

# SENTINEL 165, "BALCONY BREEZE" INSWING DOOR ALUMINUM, IMPACT RESISTANT

#### GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH AND 8TH EDITION FLORIDA BUILDING CODES (2020 / 2023) INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

- PRODUCT IS RATED FOR LARGE MISSILE IMPACT AND SMALL MISSILE IMPACT. MIAMI-DADE COUNTY APPROVED HURRICANE PROTECTION SYSTEMS (SHUTTERS) ARE NOT REQUIRED.

- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

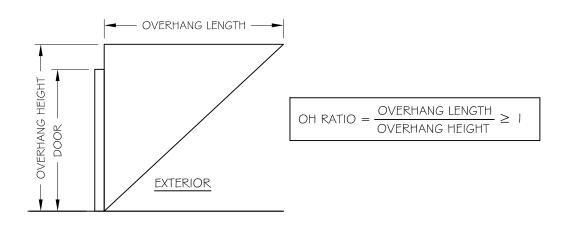
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL / METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017 / 2020 FLORIDA BUILDING CODE AND ADOPTED STRANDARDS.

- METAL STRUCTURES NOT BY CGI WINDOWS AND DOORS, INC. TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING STRUCTURAL MEMBERS, TO BE REVIEWED BY BUILDING OFFICIAL.

- THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- DOORS ARE NOT APPROVED FOR AIR AND WATER INFILTRATION, SEE NOTE BELOW FOR OVERHANG REQUIREMENTS).

#### OVERHANG REQUIREMENT:

THE INSWING DOOR IS NOT APPROVED IN AREAS WHERE WATER INFILTRATION REQUIREMENT IS NEEDED. IT COULD BE INSTALLED AT LOCATIONS PROTECTED BY AN OVERHANG MEETING THE CRITERIA IN ILLUSTRATION BELOW OR IN NON-HABITABLE AREAS WHERE WATER INFILTRATION IS ACCEPTED, PER FBC REQUIREMENTS.



TYPICAL ANCHORS: (SEE ELEVATIONS, SHEET 2, FOR SPACI

1/4" DIA. ULTRACON+ BY 'DEWALT' (FU=164 KSI, FY=14

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES I -3/8" MIN. PENETRATION INTO WOOD (HEAD, SILL OR JA

THRU I BY WOOD BUCKS OR DIRECTLY INTO MASONRY OF 1-1/4" MIN. EMBED INTO CONCRETE, FILLED BLOCK OR H

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES I - 1/2" MIN. PENETRATION INTO WOOD (HEAD, SILL OR JA

INTO MIAMI-DADE COUNTY APPROVED MULLIONS INTO METAL STRUCTURE. STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.) ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.) STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR P

ALL ANCHOR HEAD TYPES ARE ALLOWED

#### TYPICAL EDGE DISTANCE

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

CONCRETE  $f'_c = 3000$  PSI MIN. C-90 HOLLOW/FLLED BLOCK f'm = 2000 PSI MIN.

#### SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PE BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH

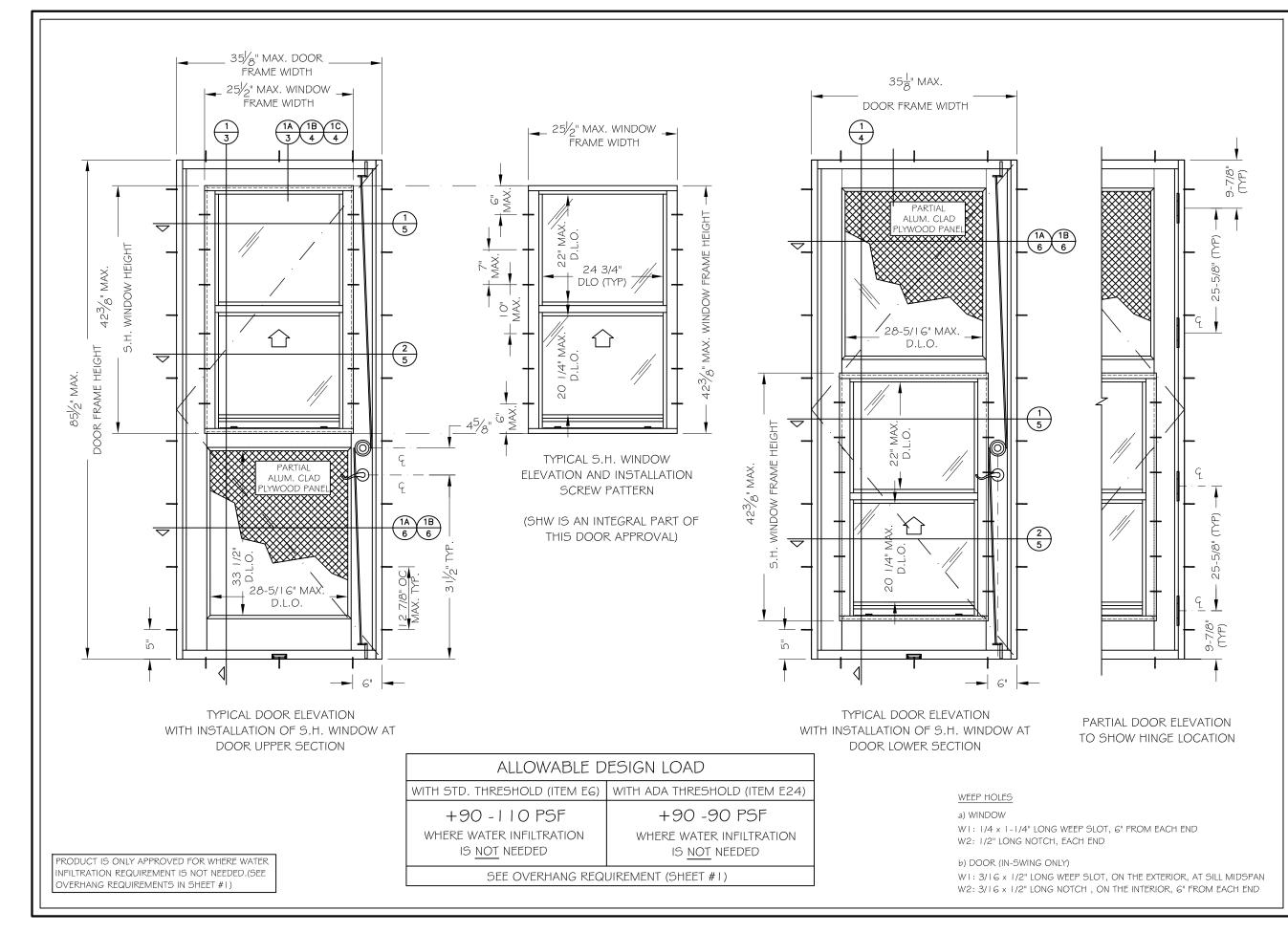
#### WOOD BUCKS:

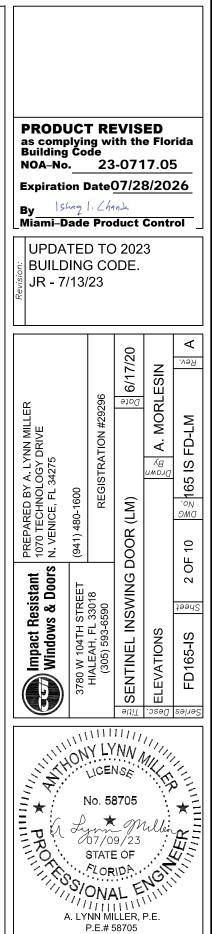
IX OR 2X WOOD BUCKS NOT BY CGI WINDOWS AND DC MUST BE PROPERLY SECURED TO SUSTAIN LOADS IMPO SYSTEM AND TRANSFER THEM TO THE BUILDING STRUC

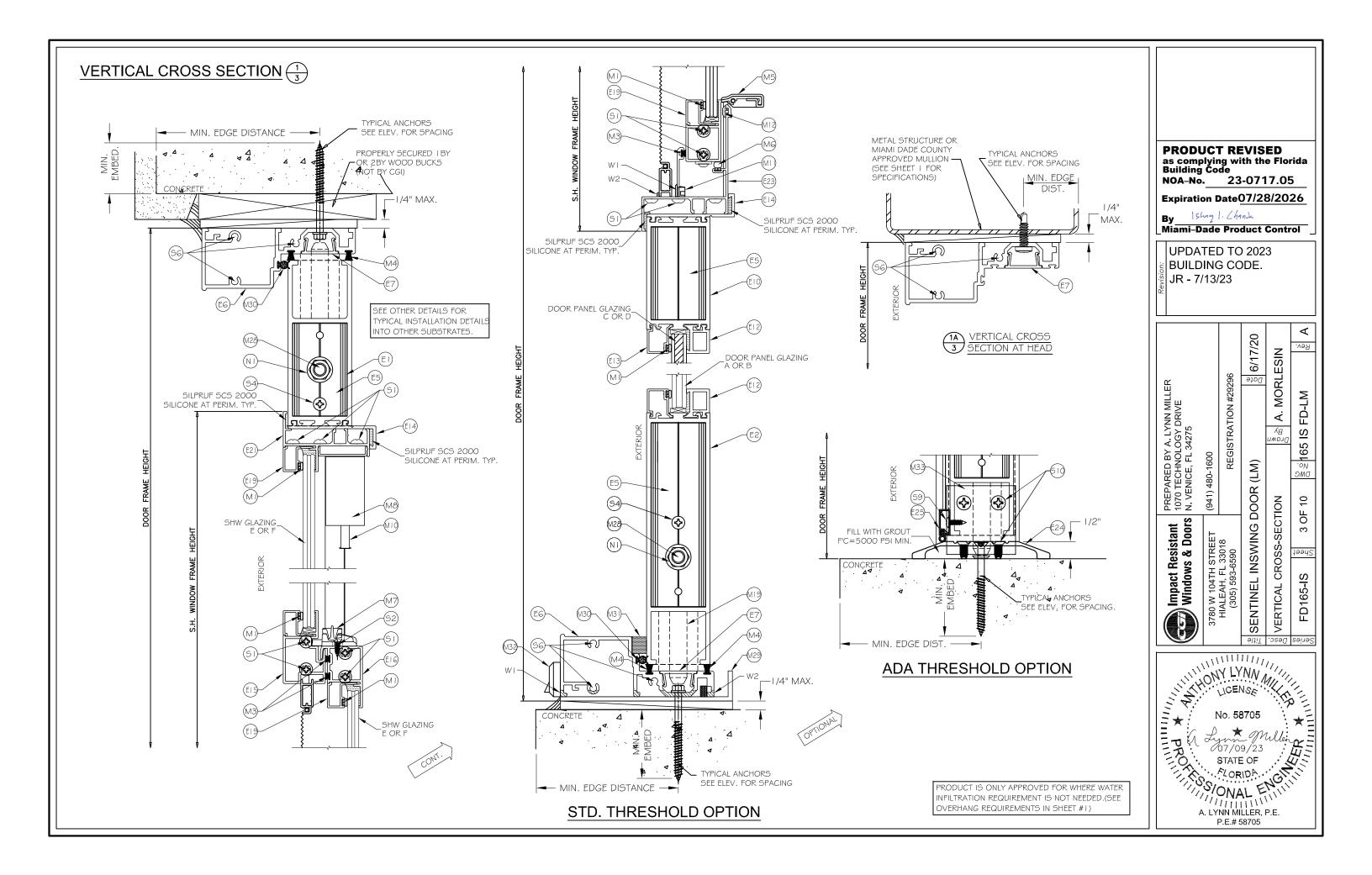
CODES / STANDARDS USED:
<ul> <li>2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION</li> <li>2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION</li> <li>ASTM E 1 300-09</li> <li>ANSI/AF¢PA NDS-2018 FOR WOOD CONSTRUCTION</li> <li>ALUMINUM DESIGN MANUAL, ADM-2020</li> <li>AISI S 1 00-16</li> <li>AISC 360-16</li> </ul>

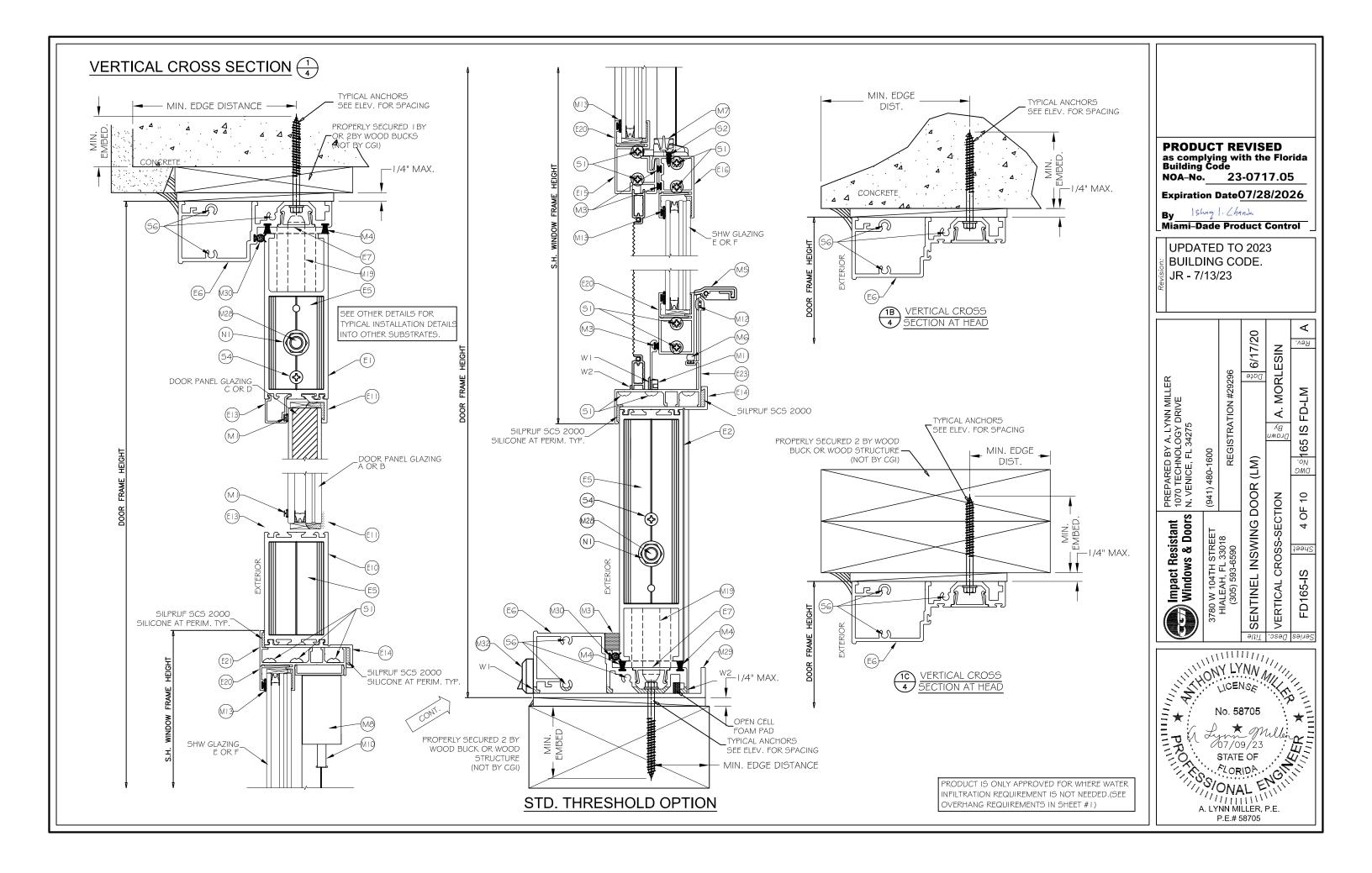
GENER/ ANCHC ELEVAT VERTIC HORIZC GLAZIN BOM... HARDW BOM... CORNE

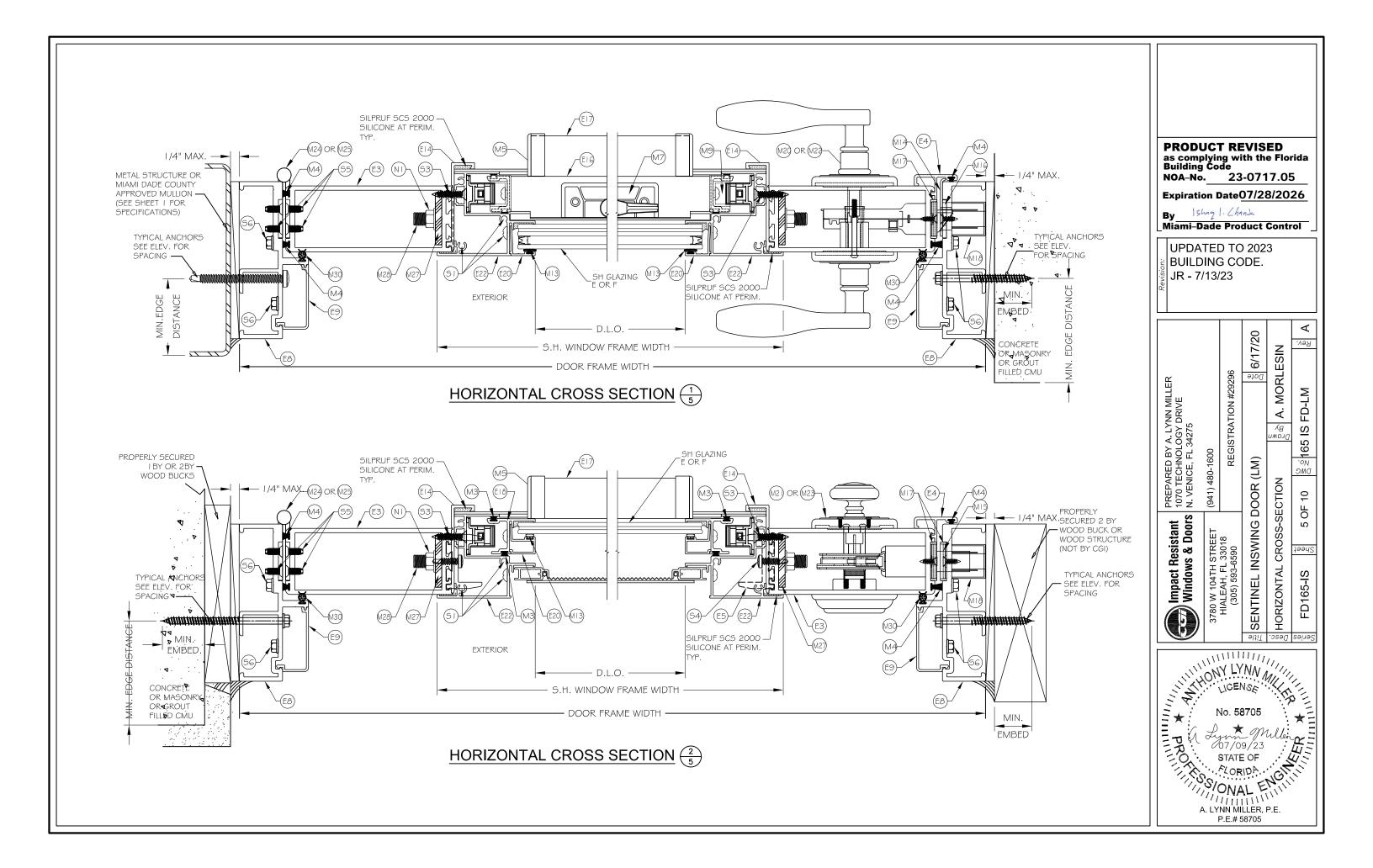
IMPACT RATING RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED					
NG)					
8 KSI)					
MB)	PRODUCT REVISED as complying with the Florida Building Code NOA-No. 23-0717.05				
OR CONCRETE	Expiration Date07/28/2026				
IOLLOW BLOCK	By Ishag I. Chank Miami-Dade Product Control				
MB)	UPDATED TO 2023 BUILDING CODE. JR - 7/13/23				
AINTED)	D BY A. LYNN MILLER INOLOGY DRIVE :, FL 34275 (600 M) 29296 M) 29296 M) 202096 M) 202096 M) 202096 M) 202096 M) 202096 M) 20200 M) 202000 M) 20200 M) 202000 M) 20200 M) 20200 M) 2020				
	BY A. LYN 0LOGY C 134275 00 00 00 00 00 165 IS F 165 IS F				
RIMETER GLAZING H SILICON SEALANT. DORS, INC.	Mindows & Do Windows & Do 780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 (305) 593-6500 (305) 593-65000 (3				
DSED BY GLAZING TURE. AL NOTESI DR TYPESI	∞     B     B       →IIII     →IIII       →IIII     →IIIII       →IIII     →IIII       →IIII     →IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				
TIONS	D & Lym Mller 07/09/23 STATE OF <i>LORIDA</i> <i>SONAL</i> <i>MILLER</i> , P.E. P.E.# 58705				

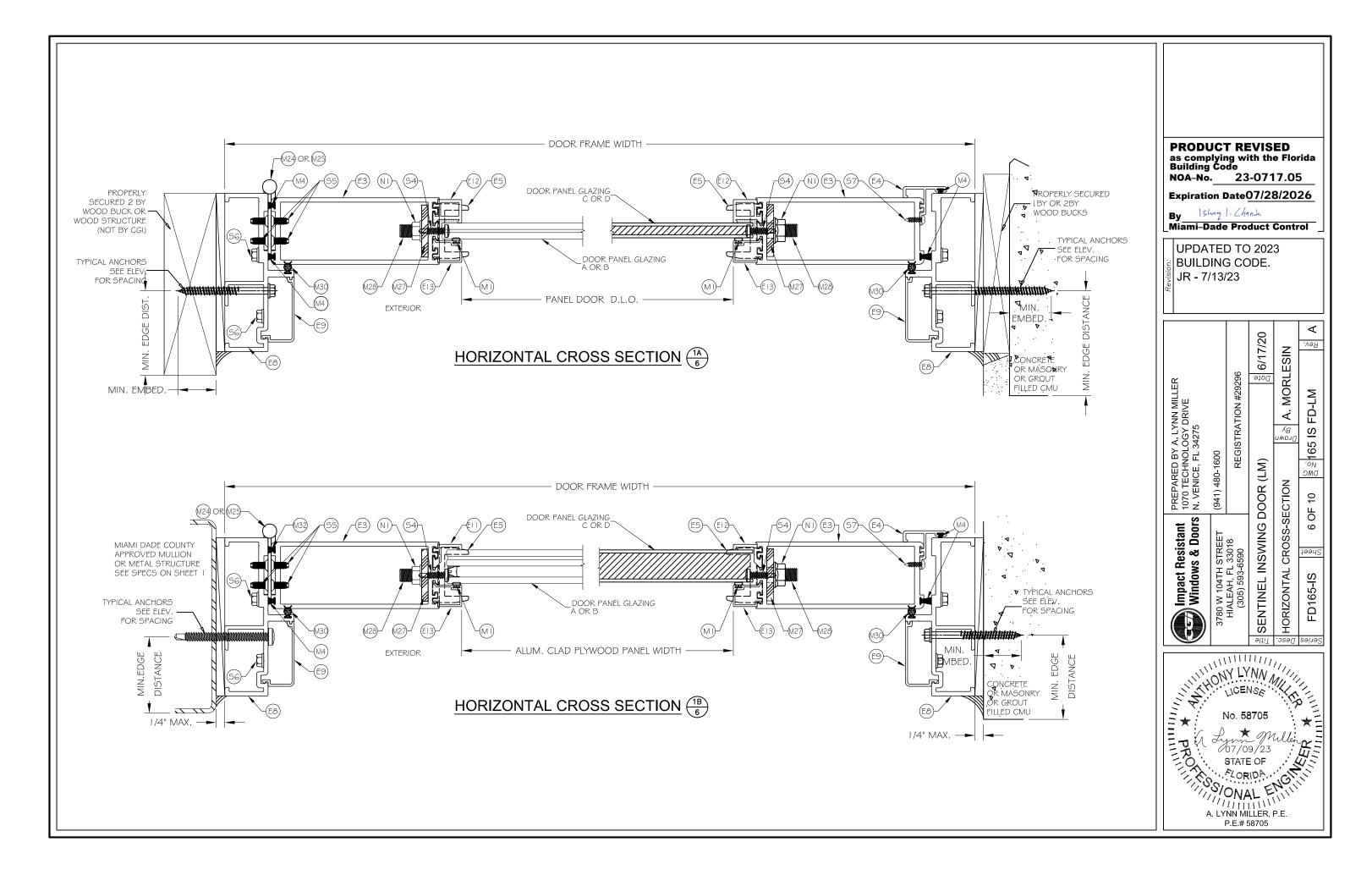


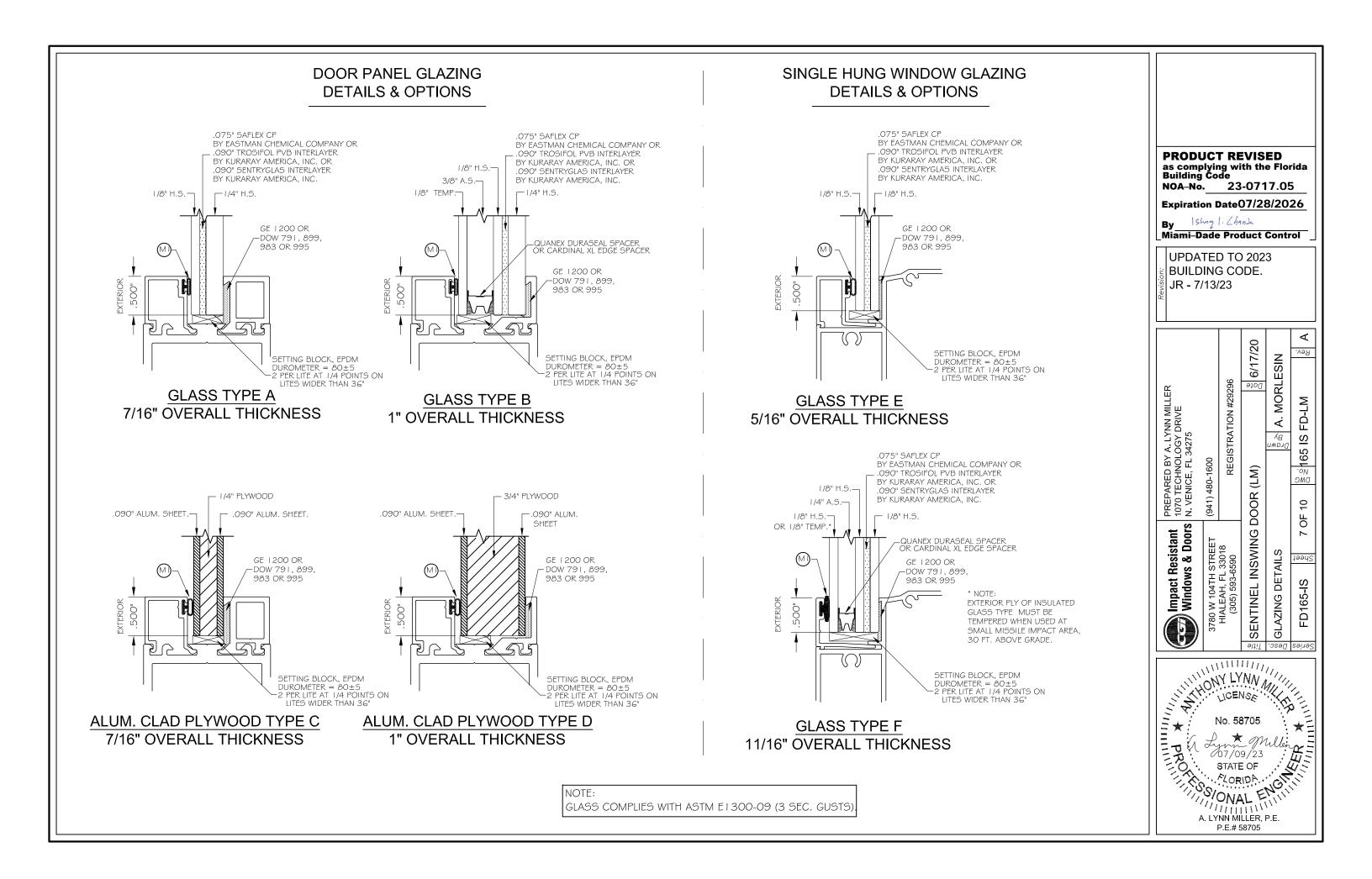






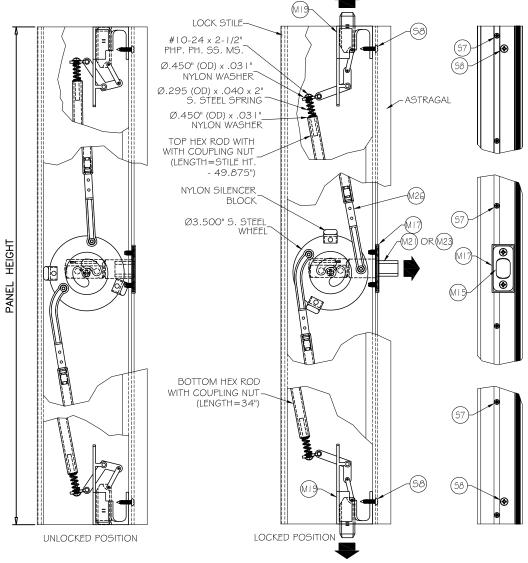






	BILL OF MATERIALS							
ITEM	PART No.	QUANTITY	DESCRIPTION	MATERIAL	SUPPLIER			
EI	AL-500A	-	DOOR PANEL TOP RAIL	6063-T6	KEYMARK			
E2	AL-501	-	DOOR PANEL BOTTOM RAIL	6063-T6	KEYMARK			
E3	AL-502	2	DOOR PANEL VERTICAL STILE	6063-T6	KEYMARK			
E4	AL-505		ASTRAGAL	6063-T5	KEYMARK			
E5	AL-506	6	SHEAR BLOCK	6063-T6	KEYMARK			
EG	AL-507	2	DOOR FRAME HEAD / SILL	6063-T6	KEYMARK			
E7	AL-508	2	DOOR FRAME HEAD / SILL SCREW CAP	6063-T5	KEYMARK			
E8	AL-509	2	DOOR FRAME JAMB	6063-T6	KEYMARK			
E9	AL-511	2	JAMB SCREW COVER	6063-T5	KEYMARK			
EIO	AL-514	-	TRUE MUNTIN (4-5/8")	6063-T5	KEYMARK			
EII	AL-515	AS REQD.	GLAZING ADAPTOR (INSULLAM. GLASS)	6063-T6	KEYMARK			
EI2	AL-519	AS REQD.	GLAZING ADAPTOR (7/16" LAM. / SOLID PANEL)	6063-T6	KEYMARK			
EI3	AL-396	AS REQD.	GLAZING BEAD (7/16" LAM. / INSULLAM. GLASS)	6063-T5	KEYMARK			
EI4	AL-1061	4/DOOR	WINDOW FILLER	6063-T6	KEYMARK			
EI5	AL-103	1	WINDOW FIXED MEETING RAIL	6063-T6	KEYMARK			
EIG	AL-104	1	WINDOW LOCK RAIL	6063-T6	KEYMARK			
EI7	AL-105	1	WINDOW HANDLE RAIL	6063-T6	KEYMARK			
EI8	AL-106	2	WINDOW SASH RAIL	6063-T6	KEYMARK			
E19	AL-107	AS REQD.	GLAZING BEAD (5/16" LAM. GLASS)	6063-T5	KEYMARK			
E20	AL-108	AS REQD.	GLAZING BEAD (3/4" INSULLAM. GLASS)	6063-T5	KEYMARK			
E21	AL-135	1	WINDOW FRAME HEAD	6063-T6	KEYMARK			
E22	AL-136	2	WINDOW FRAME JAMB	6063-T6	KEYMARK			
E23	AL-137	1	WINDOW FRAME SILL	6063-T6	KEYMARK			
E24	AL-540	1	ADA SADDLE THRESHOLD	6063-T6	SCREEN TEC			
E25	HD-DOOR SWEEP	1	DOOR SWEEP (OPTIONAL)	ALUM.	SCREEN TEC			
MI	382V	AS REQD.	GLAZING BULB (DUROMETER 75/80 SHORE A)	PVC	MELTPOINT			
М2	BL-110-2340	2/WINDOW	BLOCK & TACKLE BALANCE	_	BSI			
МЗ	W23201	AS REQD.	. 187" x 200" ULTRA-FIN WEATHERSTRIP	-	ULTRAFAB			
M4	W33321	AS REQD.	. 187" x 320" ULTRA-FIN WEATHERSTRIP	-	ULTRAFAB			
M5	HD-131-R/L	I/EACH	HANDLE RAIL END CAP (R) RIGHT AND (L) LEFT	NYLON	M¢M PLASTI			
MG	E26018WN	I /WINDOW	BULB WEATHERSTRIP, AT WINDOW SILL	PVC	ULTRAFAB			
M7	HD-CAM LOCK	I WINDOW	WINDOW CAM LOCK	ZINC	TRUTH			
M8	HD-132	2/SASH	SASH STOP, 2" LONG	PVC	PROTOTYPE			
M9	HD-125	2/SASH	SASH CAM	PVC	M¢M PLASTI			
MIO	HD-121	2/WINDOW	SASH TAKE OUT CLIP	-	BSI			
MII	HD-146-6	2/WINDOW	WINDOW WEEP COVER	PVC	AMESBURY			
MI2	HD-134	I /WINDOW	SILL SPACER	PVC	PROTOTYPE			
MI3	HD-12-10106	AS REQD.	GLAZING GASKET (INSULLAM.)	PVC	MELTPOINT			
MI4	HD-537	1	LATCH LOCK STRIKE PLATE	S.STEEL	BALDWIN			
MI5	HD-538	1	DEADBOLT STRIKE PLATE	S.STEEL	BALDWIN			
MIG	HD-536N		LATCH LOCK STRIKE PLATE SHIM	NYLON	-			
MI7	HD-390P	I/EACH	LATCH LOCK STRIKE ¢ DEADBOLT PLATE SPACER	NYLON	-			
M18	HD-STRIKE BOX	I/EACH	LATCH LOCK STRIKE & DEADBOLT PLATE STABLE	NYLON	-			
M19	HD-525-9-REV	1	BOLT LOCK ASSEMBLY	S.STEEL	CGI			
M20	HD-5455.056	-	WAVE SATIN NICKEL STRIKE LEVER	-	BALDWIN			
M21	HD-8231.056	1	TRADITIONAL SATIN NICKEL DEADBOLT	-	BALDWIN			
M22	HD-34-10116	1	WAVERLIE SATIN STRIKE LEVER	-	COPPER CRE			
M23	HD-DB2410SS	1	SATIN STAINLESS DEADBOLT	_	COPPER CRE			
M24	HD-CH-108-W	4/LEAF	4-1/2" x 4" x 0.140" THK. HINGE	ALUMINUM	SULLIVAN			
M25	HD-AB800-US	4/LEAF	4-1/2 x 4 x 0.140 THK. HINGE	S.STEEL	HAGER			
M26	-	1/LEAF	THREE POINT LOCK MECHANISM ASSEMBLY	-	CGI			
M27	- HD-SHEAR PLATE		SHEAR PLATE FOR Ø3/8" THREADED ROD	- 6063-T6	EASTERN ME			
M28	HD-9164K FLATE	2/LEAF	Ø3/8"-16 FULLY THREADED ROD (ZINC PLATED)	STEEL				
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BILL OF MATERIALS						
ITEM	PART No.	QUANTITY	DESCRIPTION	MATERIAL		
M30	32084	AS REQ.D	FOAM-TITE CLOSED CELL COMPRESSION SEAL	-		
M31	RE41	AS REQ.D	1/2 x1/2" SELF ADHESIVE CLOSED CELL FOAM SEAL	EPDM		
M32	HD-542P	1	IN-SWING DOOR WEEP COVER, AT MIDSPAN	PVC		
M33	HD-CLIP	1	2" X 2" X 1/4" THK. ALUM. ANGLE, 2" LG.	ALUM.		
51	-	2 OR 3/CORNER	#10 x 1-1/4" PHP. PH. SMS. WINDOW ASSY.	S. STEEL		
52	-	2/LOCK	#6 x 1/2" PHP. FH. SMS. SWEEP LOCK ASSY.	S. STEEL		
53	-	AS REQD.	#10 x 1" PHP. FH. SMS. WINDOW TO DOOR ATTACH.	. S. STEEL		
54	-	I/EACH	#10 x 3/4" PHP. PH. SMS. TEK SHEAR BLOCK ASSY.	S. STEEL		
S5	-	8/HINGE	#12-24 x 1/2" PHP. FH. UC. TF. HINGE ASSY.	S. STEEL		
56	-	3/CORNER	#12 x 1-1/4" HH. SMS. DOOR FRAME ASSY.	S. STEEL		
57	-	5/LEAF	#6 x 1/2" PHP. TH. SMS. ASTRAGAL ASSY.	S. STEEL		
58	-	1/BOLT LOCK	#10 x 3/4" PHP. PH. SMS. BOLT LOCK ASSY.	S. STEEL		
59	-	2/LEG	#6 x 1/2" PHP. PH. SMS.	S. STEEL		
510	-	4/CLIP	#12-24 X 1/2" PHP. FH. UC.	S. STEEL		
NI	-	4/LEAF	Ø3/8"- I G SERRATED-FLANGE LOCKNUT (ZINC PLATED)	STEEL		



# PROPRIETARY THREE-POINT LOCK MECHANISM DETAIL



