

CGI Windows and Doors, Inc. 3780 W 104th 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 "Targa 7100" White PVC Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **7100NOA-1**, titled "7100 PVC Single Hung Window - LMI", sheets 1 through 10 of 10, dated 07/06/20, with revision A dated 07/07/20, prepared by manufacturer, signed and sealed by Anthony Lynn 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 Resistant.

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 NOA# 19-0102.06** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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



NOA No. 20-0722.11 Expiration Date: February 20, 2024 Approval Date: October 08, 2020 Page 1

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. *(Submitted under NOA No. 13-1115.08)*
- Drawing No. W13-23, titled "Series 'Targa 7100' PVC S.H. Wdw. (L.M.I./S.M.I.)", sheets 1 through 10 of 10, dated 05/15/13, with revision E dated 11/13/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (Submitted under NOA No.17-1011.10)

B. TESTS

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

along with marked-up drawings and installation diagram of a series 7500 PVC fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WA, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E. (Submitted under NOA No. 15-0512.06)

2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94

2) Large Missile Impact Test per FBC, TAS 201-94

3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a series 7400 PVC project out window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WB, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E. (Submitted under NOA No. 15-0512.06)

3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94

2) Large Missile Impact Test per FBC, TAS 201-94

3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a series 238 aluminum fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WC, dated 04/16/15, signed and sealed by Ramesh C. Patel, P.E. (Submitted under NOA No. 15-0512.06)

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Manuel Pérez, P.E. Product Control Examiner NOA No. 20-0722.11 Expiration Date: February 20, 2024 Approval Date: October 08, 2020

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

B. TESTS (CONTINUED)

- 4. 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 extruded vinyl equal leg/fin/flange frame single hung windows, prepared by Certified Testing Laboratories, Test Report No. **CTLA-3032W** dated 10/17/14, signed and sealed by Ramesh C. Patel, P.E.

(Submitted under NOA No. 14-1222.03)

- 5. 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 extruded vinyl equal leg/fin/flange frame single hung windows, prepared by Element Materials Technology., Test Report No. **EMT-ESP014638P**, dated 09/28/13, signed and sealed by Ramesh C. Patel, P.E.

(Submitted under NOA No.17-1011.10)

C. CALCULATIONS

- Anchor verification calculations and structural analysis, complying with FBC 6th Edition (2017) dated 08/30/17, revised on 11/16/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (Submitted under NOA No. 19-0102.06)
- 2. Glazing complies with ASTM E1300-09

D. QUALITY ASSURANCE

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

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Manuel Perez, P.E. Product Control Examiner NOA No. 20-0722.11 Expiration Date: February 20, 2024 Approval Date: October 08, 2020

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

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 12/28/17, expiring on 07/04/23.
- 2. Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 01/19/17, expiring on 07/08/19.
- 3. Notice of Acceptance No. 18-0301.06 issued to Eastman Chemical Company (MA) for their "Saflex CP Saflex and Saflex HP Composite Glass Interlayers with PET Core" dated 05/17/18, expiring on 12/11/18.
- 4. Notice of Acceptance No. 17-0712.05 issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers" dated 09/07/17, expiring on 05/21/21.
- 5. Notice of Acceptance No. 13-1203.02 issued to Deceuninck North America, LLC for their "White Rigid PVC Exterior Extrusions for Windows and Doors" dated 02/20/14, expiring on 02/19/19.

F. STATEMENTS

- Statement letter of conformance, of complying with FBC 5th Edition (2014), with FBC 6th Edition (2017) and of no financial interest, dated August 30, 2017, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (Submitted under NOA No.17-1011.10)
- Test Proposal for the qualification of *Butacite*® PVB glass interlayer by DuPont as well as *Duraseal*® and *Super Spacer*® *Standard* warm-edge flexible insulating glass spacers, dated December 16, 2014, issued by RER, Product Control Section, signed by Jaime Gascon, P.E., Supervisor, Product Control Section. (Submitted under NOA No. 14-1222.03)

G. OTHERS

1. Notice of Acceptance No. 17-1011.10, issued to CGI Windows and Doors, Inc. for their Series "Targa 7100" White PVC Single Hung Window - L.M.I., approved on 12/28/17 and expiring on 02/20/19.

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Manuel Perez, P.E. Product Control Examiner NOA No. 20-0722.11 Expiration Date: February 20, 2024 Approval Date: October 08, 2020

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **7100NOA-1**, titled "7100 PVC Single Hung Window - LMI", sheets 1 through 10 of 10, dated 07/06/20, with revision A dated 07/07/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, 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 ASTM F588 and TAS 202-94

along with marked-up drawings and installation diagram of all PGT Industries, Inc. CGI Windows and Doors, 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.:

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.

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

C. CALCULATIONS

Anchor verification calculations and structural analysis, complying with FBC 6th Edition (2017), dated 08/30/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., updated to comply with FBC 7th Edition (2020), on 05/12/20 by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

Manuel Pérez, P.E. Product Control Examiner NOA No. 20-0722.11 Expiration Date: February 20, 2024 Approval Date: October 08, 2020

2. NEW EVIDENCE SUBMITTED (CONTINUED)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

- 1. 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.
- 2. Notice of Acceptance No. 19-0305.02 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 05/09/19, expiring on 07/08/24.
- 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. 20-0622.01 issued to Eastman Chemical Company (MA) for their "Saflex PVB Clear and Color Glass Interlayers" dated 08/06/20, expiring on 05/21/21.
- 5. Notice of Acceptance No. 19-0619.03 issued to Deceuninck North America, LLC, for their "White Rigid PVC Exterior Extrusions for Windows and Doors" dated 07/25/19, expiring on 02/19/24.

F. STATEMENTS

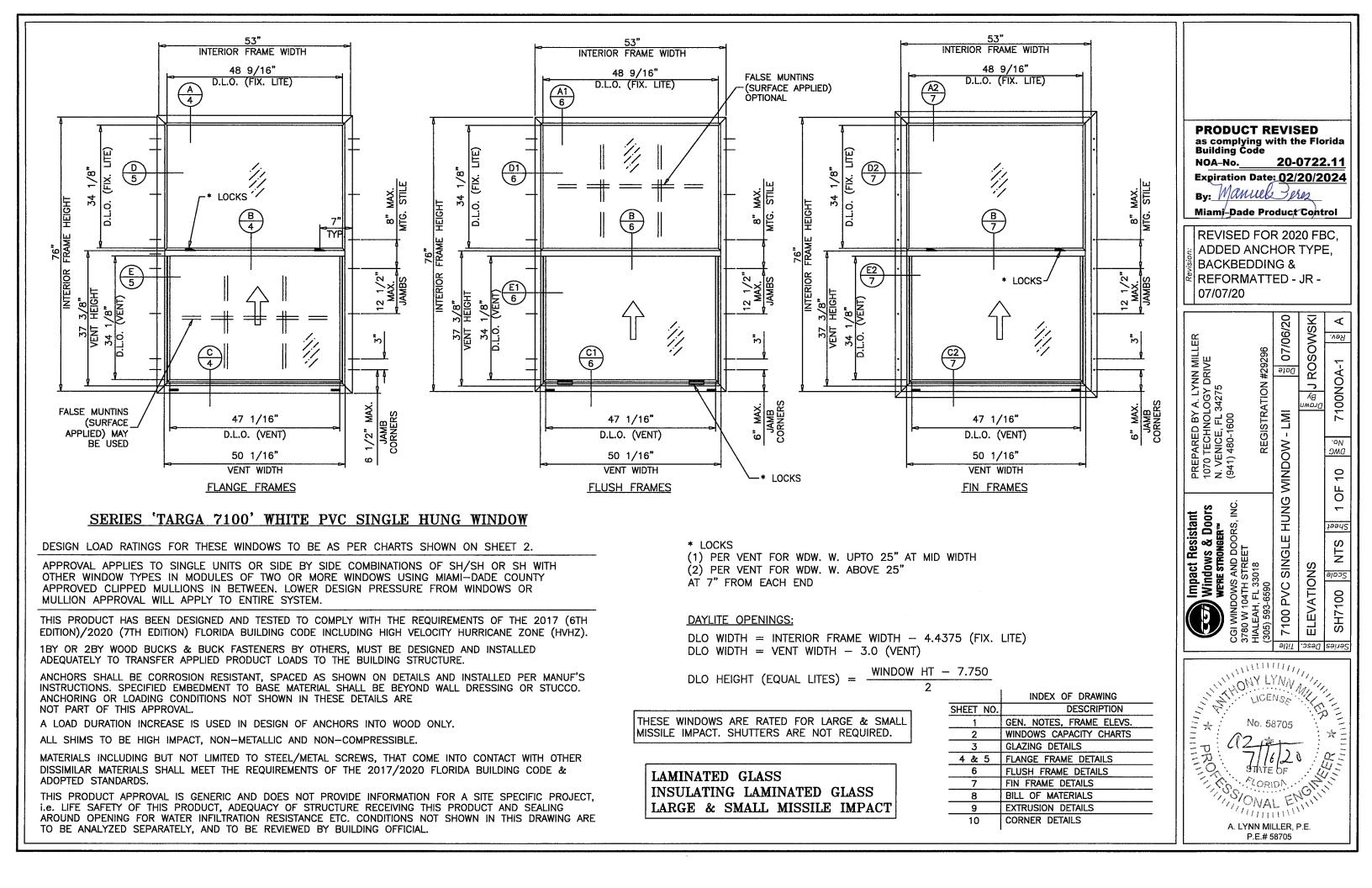
- 1. Statement letter of conformance, of complying with FBC 6th Edition (2017), and FBC 7th Edition (2020) dated July 16, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- 2. Statement letter of no financial interest dated July 16, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- 3. Notification of Successor Engineer for manufacturer's NOA document per Section 61G15-27.001 of the Florida Administrative Code, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated July 16, 2020, signed and sealed by Anthony Lynn Miller, P.E.
- 4. Proposal No. 19-1155 TP issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.

G. OTHERS

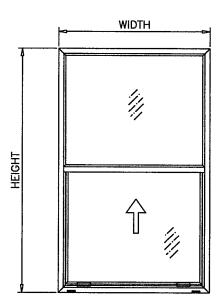
1. Notice of Acceptance No. **19-0102.06**, issued to CGI Windows and Doors, Inc. for their Series "Targa 7100" White PVC Single Hung Window - L.M.I., approved on 02/14/19 and expiring on 02/20/24.

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Manuel Perez, P.E. Product Control Examiner NOA No. 20-0722.11 Expiration Date: February 20, 2024 Approval Date: October 08, 2020

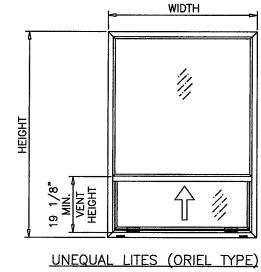


EQUAL LITES WINDOWS DESIGN LOAD CAPACITY - PSF						
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-	
18-1/8"		60.0	60.0	70.0	75.0	
25-1/2"		60.0	60.0	70.0	75.0	
36"		60.0	60.0	70.0	75.0	
41"	25"	60.0	60.0	70.0	75.0	
47"		60.0	60.0	70.0	75.0	
52-1/8"		60.0	60.0	70.0	75.0	
53"		60.0	60.0	70.0	75.0	
18-1/8"		60.0	60.0	70.0	75.0	
25-1/2"		60.0	60.0	70.0	75.0	
36"		60.0	60.0	70.0	75.0	
41"	37-3/8"	60.0	60.0	70.0	75.0	
47"		60.0	60.0	70.0	75.0	
52-1/8"		60.0	60.0	70.0	75.0	
53 "		60.0	60.0	70.0	75.0	
18-1/8"		60.0	60.0	70.0	75.0	
25-1/2"		60.0	60.0	70.0	75.0	
36"		60.0	60.0	70.0	75.0	
41"	49-5/8"	60.0	60.0	70.0	75.0	
47 "	ŕ	60.0	60.0	70.0	75.0	
52-1/8"		60.0	60.0	70.0	75.0	
53 "		60.0	60.0	70.0	75.0	
18-1/8"		60.0	60.0	70.0	75.0	
25-1/2"		60.0	60.0	70.0	75.0	
36"		60.0	60.0	70.0	75.0	
41″	58"	60.0	60.0	70.0	75.0	
47"		60.0	60.0	70.0	75.0	
52-1/8*		60.0	60.0	70.0	75.0	
53"		60.0	60.0	70.0	75.0	
18–1/8"		60.0	60.0	70.0	75.0	
25-1/2"		60.0	60.0	70.0	75.0	
36"		60.0	60.0	70.0	75.0	
41"	62 "	60.0	60.0	70.0	75.0	
47"	~_	60.0	60.0	70.0	75.0	
52-1/8*		60.0	60.0	70.0	75.0	
53"		60.0	60.0	70.0	75.0	
18-1/8"		60.0	60.0	70.0	75.0	
25-1/2"	:	60.0	60.0	70.0	75.0	
36"		60.0	60.0	70.0	75.0	
41"	73-1/4"	60.0	60.0	70.0	75.0	
47"		60.0	60.0	70.0	75.0	
52-1/8"		60.0	60.0	70.0	75.0	
53"		60.0	60.0	70.0	75.0	
18-1/8"		60.0	60.0	70.0	75.0	
25-1/2"		60.0	60.0	70.0	75.0	
36"	Ì	60.0	60.0	70.0	75.0	
41"	76"	60.0	60.0	70.0	75.0	
47"	ŀ	60.0	60.0	70.0	75.0	
52-1/8"		60.0	60.0	70.0	75.0	
53"	ſ	60.0	60.0	70.0	75.0	

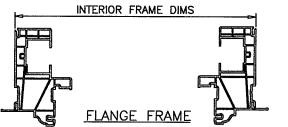


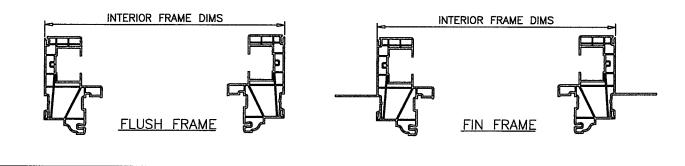
EQUAL LITES

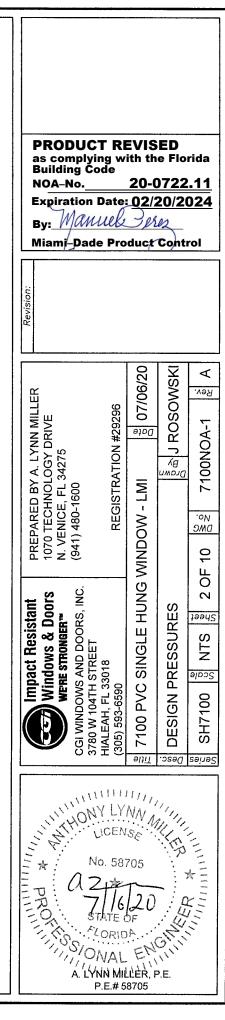
UNEQUAL LITES WINDOWS						
DESIGN LOAD CAPACITY - PSF						
	R FRAME		TYPES 'B', 'B1'	GLASS TYPES 'C', 'C1'		
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
18-1/8"		60.0	60.0	70.0	75.0	
25-1/2"		60.0	60.0	70.0	75.0	
36"	49—5/8"	60.0	60.0	70.0	75.0	
41 "		60.0	60.0	70.0	75.0	
47 "		60.0	60.0	70.0	75.0	
52-1/8"		60.0	60.0	70.0	75.0	
53"		60.0	60.0	70.0	75.0	
18-1/8"	58"	60.0	60.0	70.0	75.0	
25-1/2"		60.0	60.0	70.0	75.0	
36"		60.0	60.0	70.0	75.0	
41"		60.0	60.0	70.0	75.0	
47"		60.0	60.0	70.0	75.0	
18-1/8"	62"	60.0	60.0	70.0	75.0	
25-1/2"		60.0	60.0	70.0	75.0	
36"		60.0	60.0	70.0	75.0	
41"		60.0	60.0	70.0	75.0	
18-1/8"		60.0	60.0	70.0	75.0	
25-1/2"	73-1/4"	60.0	60.0	70.0	75.0	
36"		60.0	60.0	70.0	75.0	
18-1/8"	76"	60.0	60.0	70.0	75.0	
25-1/2"		60.0	60.0	70.0	75.0	

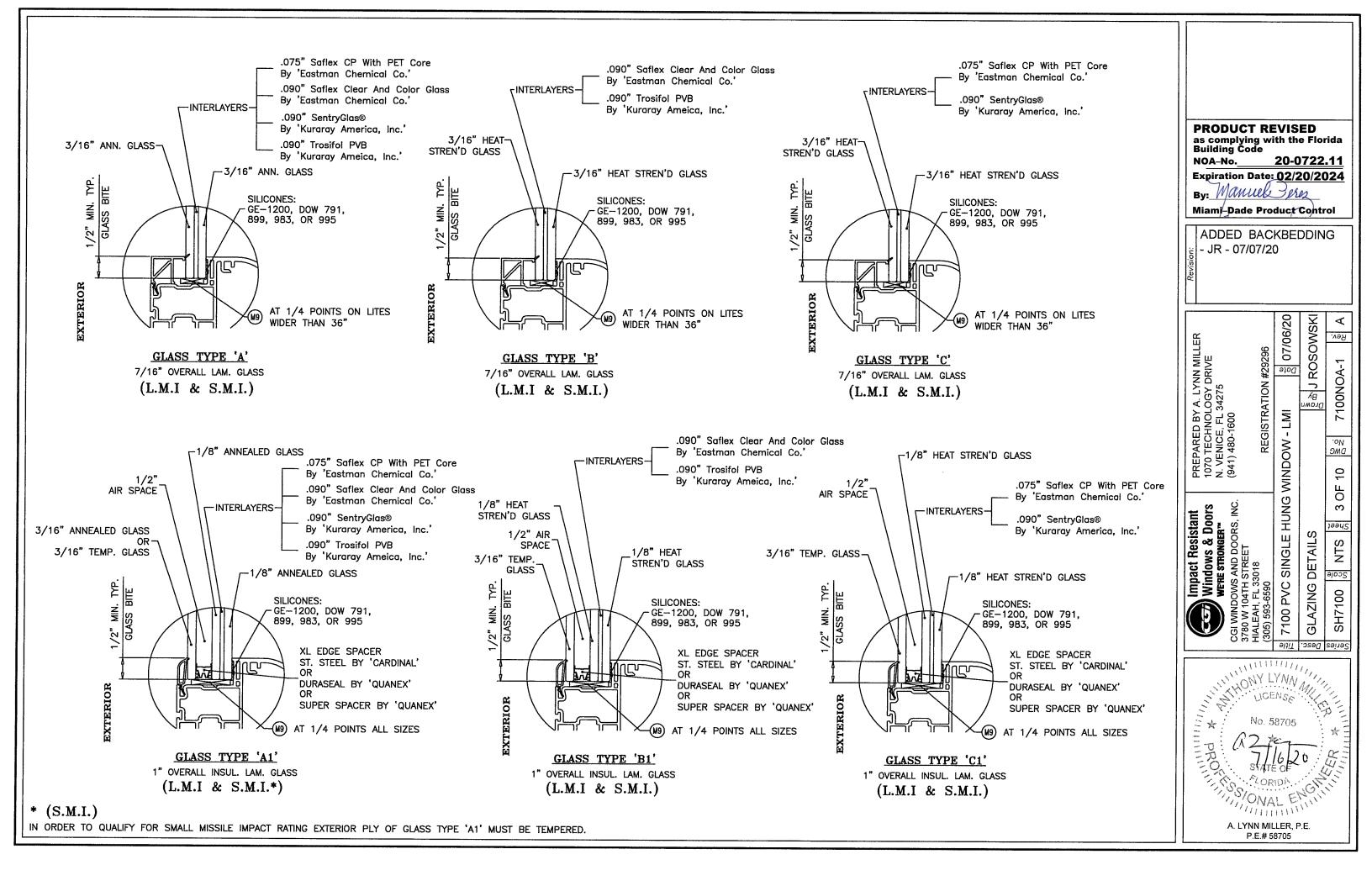


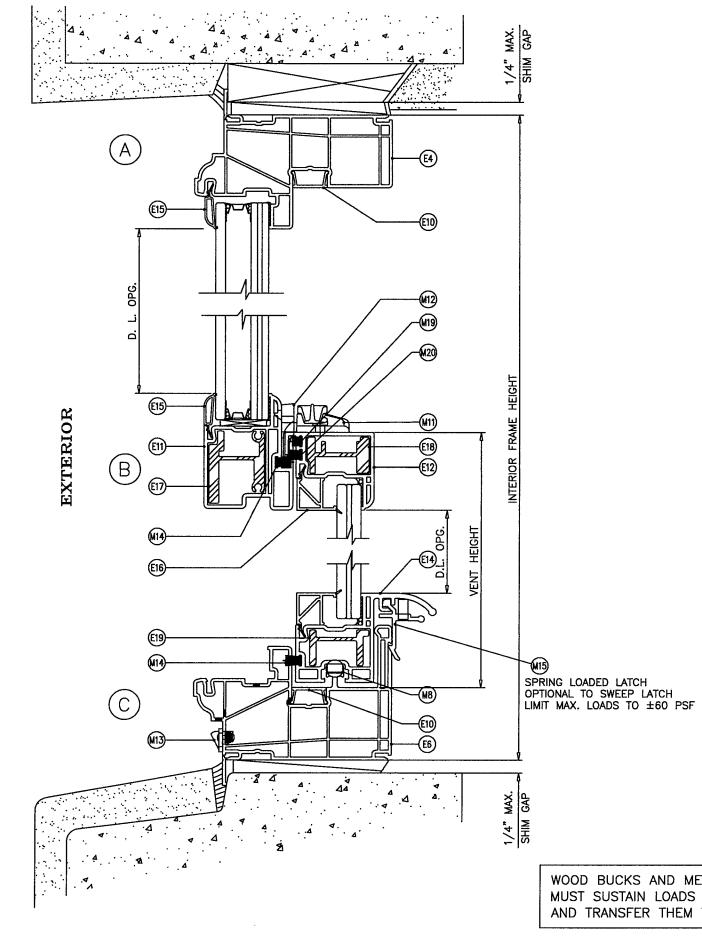
NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219











TYPICAL ANCHORS: SEE ELEV. FOR SPACING 1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI) 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI) 1/4" DIA. AGGRE-GATOR BY 'ELCO' (Fu=95 KSI, Fy=57 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD (JAMBS) THRU 1BY BUCKS INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS) DIRECTLY INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS) #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS) INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8") OR INTO METAL STRUCTURES (HEAD/SILL/JAMB) (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.) STEEL : 12 GA. 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 CONCRETE AND MASONRY (ONLY ULTRACON+ ANCHORS) = 1-1/2" 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.

WEEPHOLES:

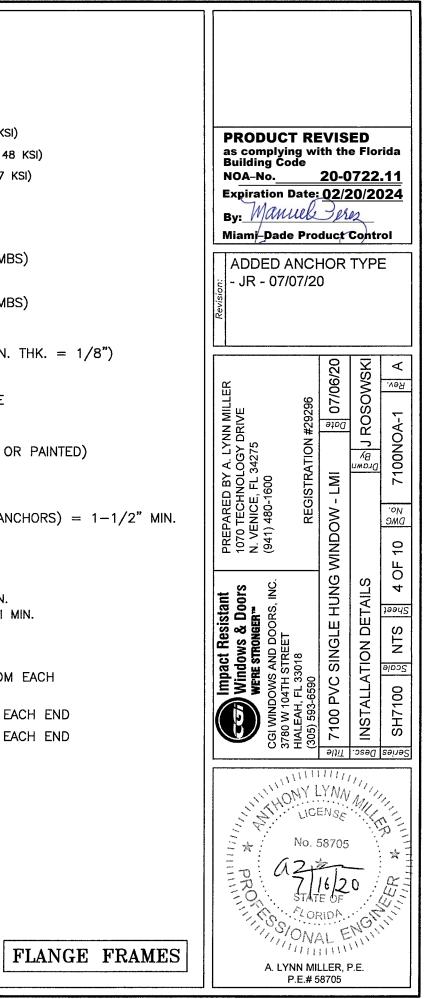
W1 = 1/4" X 1-1/2" WEEP SLOT AT 4-1/8" FROM EACH END WITH PLASTIC COVER

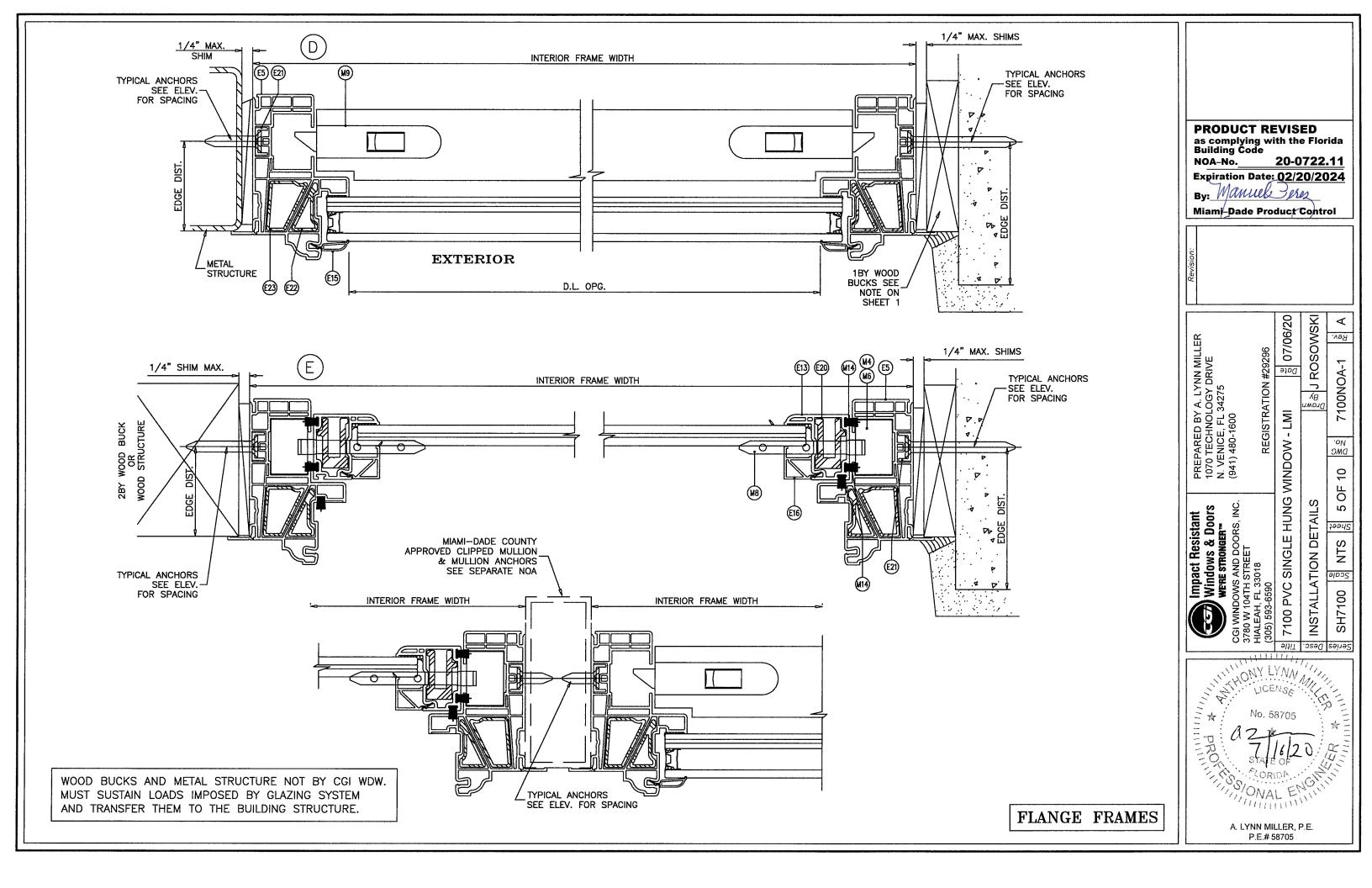
W2 = 1/8" X 1/2" WEEP SLOT AT 3-1/4" FROM EACH END W3 = 1/8" X 1/2" WEEP SLOT AT 3-1/4" FROM EACH END

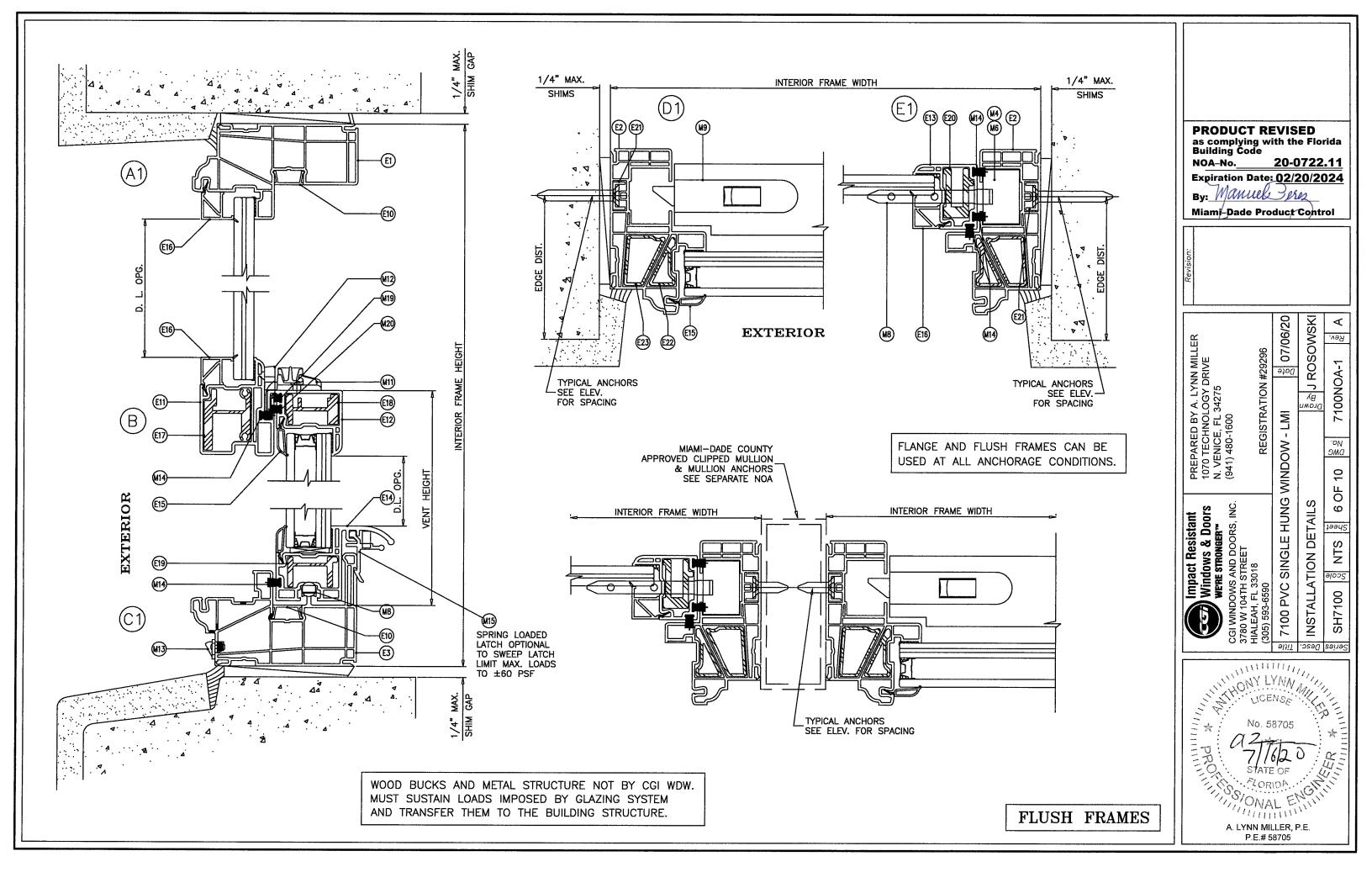
SEALANTS:

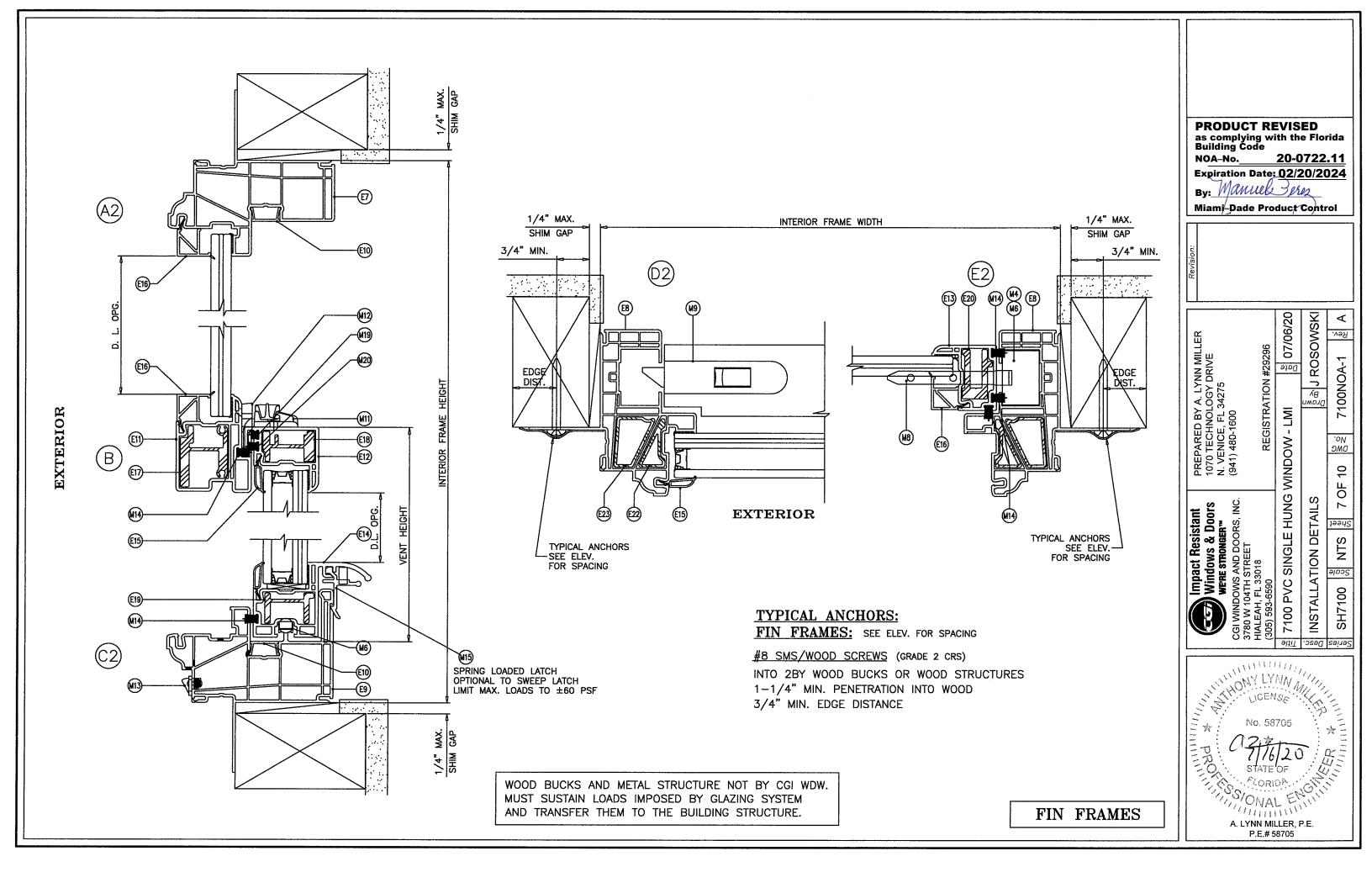
ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SILICONE SEALANT.

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









CODE	PART No.	DESCRIPTION	MATERIAL	MANUF.	REMARKS
E1	CGI-1000	EQUAL LEG FRAME HEAD	PVC	DECEUNINCK NORTH AMERICA LLC.	
E2	CGI-1001	EQUAL LEG FRAME JAMB	PVC	DECEUNINCK NORTH AMERICA LLC.	
E3	CGI-1002	EQUAL LEG FRAME SILL	PVC	DECEUNINCK NORTH AMERICA LLC.	
E4	CGI-1013	FLANGE FRAME HEAD	PVC	DECEUNINCK NORTH AMERICA LLC.	
E5	CGI-1014	FLANGE FRAME JAMB	PVC	DECEUNINCK NORTH AMERICA LLC.	
E6	CGI-1015	FLANGE FRAME SILL	PVC	DECEUNINCK NORTH AMERICA LLC.	
E7	CGI-1018	FIN FRAME HEAD	PVC	DECEUNINCK NORTH AMERICA LLC.	
E8	CGI-1019	FIN FRAME JAMB	PVC	DECEUNINCK NORTH AMERICA LLC.	
E9	CGI-1020	FIN FRAME SILL	PVC	DECEUNINCK NORTH AMERICA LLC.	
E10	CGI-1003	SCREW COVER	PVC	DECEUNINCK NORTH AMERICA LLC.	
E11	CGI-1004	FIXED MEETING RAIL	PVC	DECEUNINCK NORTH AMERICA LLC.	
E12	CGI-1005	LOCK RAIL	PVC	DECEUNINCK NORTH AMERICA LLC.	
E13	CGI-1006	SIDE RAIL	PVC	DECEUNINCK NORTH AMERICA LLC.	
E14	CGI-1007	LIFT RAIL	PVC	DECEUNINCK NORTH AMERICA LLC.	
E15	CGI-1008	IG GLAZING BEAD	PVC	DECEUNINCK NORTH AMERICA LLC.	
E16	CGI-1025	7/16" MONOLITHIC GLAZING BEAD	PVC	DECEUNINCK NORTH AMERICA LLC.	
E17	CGI-802	MEETING RAIL REINFORCEMENT	6005A-T5	CGI EXTRUDER	
E18	CGI-807	LOCK RAIL REINFORCEMENT	6005A	CGI EXTRUDER	
E19	CGI-800	LIFT RAIL REINFORCEMENT	6005A	CGI EXTRUDER	
E20	CGI-801	SIDE RAIL REINFORCEMENT	6005A	CGI EXTRUDER	
E21	CGI-1023	JAMB ANCHOR REINFORCEMENT	6005A-T5	CGI EXTRUDER	
E22	CGI-1026	FRAME REINFORCEMENT SMALL	6005A	CGI EXTRUDER	6" LONG AT MTG. RAIL
E23	CGI-1027	FRAME REINFORCEMENT LARGE	6005A-T5	CGI EXTRUDER	6" LONG AT MTG. RAIL
M1	SCS 1200	GLAZING SILICONE (1/2" X 3/16" BEAD)	SILICONE	GENERAL ELECTIC	
M2	DOW 995	GLAZING SILICONE (1/2" X 3/16" BEAD)	SILICONE	DOW CORNING	· · · · · · · · · · · · · · · · · · ·
M3	DOW 899	GLAZING SILICONE (1/2" X 3/16" BEAD)	SILICONE	DOW CORNING	
M4	Ultralift	SPIRAL BALANCE		CALDWELL OR EQUIV	ATTACHED WITH (1) #8 X 1-1/8" FH SMS
M5	21B137	BALANCE SHOE (FOR SPIRAL BALANCE)		CALDWELL OR EQUIV	
M6	Roller Tilt Elite	CONSTANT FORCE BALANCE		CALDWELL OR EQUIV	ATTACHED WITH(1) #8 X 5/8" FH SMS
M7	RT880	BALANCE SHOE (FOR CONSTANT FORCE BALANCE)		CALDWELL OR EQUIV	
M8	16Y513	PIVOT BAR		CALDWELL OR EQUIV	ATTACHED WITH (2) #8 X 3/4" PH SMS
М9	46.13.32.101(102)	TILT LATCH	· · · · ·	TRUTH OR EQUIV	ATTACHED WITH (1) $\#6-1/2$ " FH SMS
M10	-	SETTING BLOCK, 2 PER LITE	EPDM	_	DUROMETER 85±5
M11	70-10044	SWEEP LOCK		CGI CUSTOM	ATTACHED WITH (2) #6 X 3/4" FH SMS
M12	70-10045	KEEPER		CGI CUSTOM	ATTACHED WITH (2) #6 X 3/4" FH SMS
M13	146–1A	WEEP HOLE COVERS	PVC	CGI-CUSTOM	
M14	W43291NW	.187 x .290 WEATHERSTRIP PILE W/ CENTER FIN	WOOL	ULTRAFAB	
M15	70-10002	SPRING LOADED LOCK, 4" LONG	6063-T5	CGI CUSTOM	_
M16		PROTECTO WRAP WATERPROOFING OR EQUIV.			AT FIN FRAME
M17	W2315NW	.187 x .150 WEATHERSTRIP PILE W/ CENTER FIN	WOOL	ULTRAFAB	
M18	W23221NG	.187 x .220 WEATHERSTRIP PILE W/ CENTER FIN	WOOL	ULTRAFAB	
S3		# 8 X 3" TRUSS HEAD SMS - MEETING RAIL ATTACHEMENT			4 PER MTG RAIL
S4		# 8 X 5/8" FLAT HEAD SMS - CONSTANT FORCE BALANCE	······································		
S5		# 8 X 3/4" PAN HEAD SMS - PIVOT BAR		·····	· · · · · · · · · · · · · · · · · · ·
S7		# 8 X 1-1/8" FLAT HEAD SMS - SPIRAL BALANCE			· · · · · · · · · · · · · · · · · · ·
S8	·······	# 6 X 1/2" FLAT HEAD SMS - TILT LATCH			*1

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