

PROJECT NAME	ESTIMATED START DATE
Village at Dadeland Condominium Association	TBD
JOB LOCATION (Full address)	ESTIMATED DATE OF COMPLETION
7440 SW 82nd St, Miami, FL 33143	TBD

COMPANY NAME	CONTACT NAME
Wrights Impact Window & Door LLC	Pete Laspina
ADDRESS	
7816 SDixie Hwy, West Palm Beach, FL 33405	
CONTACT EMAIL	CONTACT PHONE
pete@wrightswindow.com	(201) 961-3752

CLIENT COMPANY NAME	CLIENT CONTACT NAME
Village at Dadeland Condominium Association	Maycole Vindell
CLIENT ADDRESS	
7440 SW 82nd St, Miami, FL 33143	
CLIENT EMAIL	CLIENT PHONE
Maycol.Vindell@fsresidential.com	305-667-2991

SCOPE OF WORK
Supply and Install White Frame, Laminated grey tint, Lawson, windows and doors as per supplied window schedule. Waterproofing performed underneath wood bucks and sills only. Buck opening with 1x4 or 2x6 pressure-treated wood, caulk buck before installation and exterior perimeter after, waterproof buck after installation, the material included. Screens included where applicable, Permit costs not included, to be assessed at cost at the point of application. Elevator access for all products. Orders are not placed until permits are approved.

MATERIALS AND SERVICES NOT INCLUDED
No shutter removal. No permit costs. No interior trim. No sills. No paint. No Stucco (except minor repair). No water testing. No engineering except for site specific Design Pressures. Xrays/ Scans. Dumpsters. Onsite storage.

OTHER EXCLUSIONS AND NOTES	
Mobilization & Demobilization included in the proposal. Price is subject to change based on manufacturers price increases. Full product specifications can be found attached to this Contract. All units are priced using the provided window and door schedule. Price subject to change at final measure if different from supplied measurements, unforeseen site conditions, and pre-existing conditions.	
PROPOSAL MAY BE WITHDRAWN IF NOT ACCEPTED BY DATE OF	08/31/2024
Permit costs	\$0.00
Material, Labor & Equipment	\$2,997,430.00
TOTAL CONTRACT AMOUNT	\$2,997,430.00
PAYMENT TERMS TBD based on mutually agreed project milestones	
ACCEPTANCE OF PROPOSAL	
Proposed costs, specifications, and conditions detailed above are accepted, and specified work is authorized to begin on the agreed upon date. Payment for services rendered will be made as specified.	

* Material Description on next page - No tax has been added to this service contract - Product approvals supplied with the proposal

For next steps, please contact your Product specialist

[illegible]



Qualifications & Credentials

PREMIUM PRODUCTS & SUPERIOR
INSTALLATION TECHNIQUES

1 About Wrights



For decades, Wrights has proudly served South Florida. Our service dates back to 1973 and has expanded over time. Although we started as a building supply company, we grew to sell and install hurricane impact windows and doors. Now, we specialize in Hurricane Impact Windows and Doors.

Richard J. Kurtz serves as Chief Executive Officer of Wrights, as well as The Kamson Corporation, a large property investment firm located throughout the Northeast. He is former Chairman of the Board of Directors with LaPolla Industries Inc. of Houston, Texas, as well as a former Director of the Inter-Community Bank of Springfield, New Jersey

Residing in Palm Beach, Florida, Richard remains an active and loyal visiting Committee member at The University of Miami, his Alma Mater. Richard has been a trustee for 25 years at Englewood Hospital & Medical Center.

Both a businessman and a philanthropist, Richard is committed to bringing affordable hurricane protection across the state of Florida.



'Service is our differentiator. We are committed to innovate and change the face of the window and door industry'

Richard J. Kurtz

2 Wrights Credentials



License Information

License Type:	Certified Building Contractor
License Number:	CBC1262617
Status:	Current, Active
Expires:	08/31/2024



Liability insurance

Up to \$2,000,000

Workers Comp

Up to \$2,000,000

Higher limits available, certificates provided upon request



ES Windows Installation Specialist



**Surety bonds, testimonials &
references available upon request**



OSHA Certified operators



3 Construction Solutions

Wrights Impact Window & Door safeguards your property with **industry-leading, resilient solutions** for various project types. From residential retrofits to new constructions, commercial investments, and tailor-made luxury homes, our offerings integrate cutting-edge technology with aesthetic appeal.

Residential Retrofit

Enhance your home's safety and curb appeal with Wrights' high-impact windows and doors. Our services increase energy efficiency and value, seamlessly integrating protection with elegance.

New Construction

Wrights equips new build partners with top-tier impact-resistant products and installation, ensuring durability, security, and aesthetic appeal. Trust us to partner with you on your new project.

Commercial Properties

Secure your business with Wrights' impact-resistant windows and doors, safeguarding against extreme weather and intrusions while maintaining a professional appearance. Ensure lasting protection and energy efficiency.

Custom Home Builds

Wrights provides custom solutions for unique home designs, offering impact-resistant installations without compromising safety. Preserve your projects' integrity and exclusivity with our tailored services, and expert Product Specialists.

Community, Condo, and HOA

Wrights meets the specific needs of communities, condos, and HOAs with durable, regulation-compliant impact windows and doors. Enhance protection and elevate standards for collective living spaces with our unique community programs.



PUNTA GORDA
4,500 + HOMES MADE
SAFE SINCE 2019



WEST PALM BEACH
13,000 + HOMES MADE
SAFE SINCE 2018



TAVERNIER
1,500 + HOMES MADE
SAFE SINCE 2019



WRIGHT'S 
IMPACT WINDOW & DOOR
Protect your home the Wright way

19,000 + HOMES PROTECTED SINCE 2018

**SERVING FLORIDA
SINCE 1973 & STILL GROWING**



Wrights Impact Window & Door
4.5 ★★★★★ Average Rating



CORPORATE OFFICE & SHOWROOM

📍 7816 S Dixie Hwy
West Palm Beach, FL 33405

SW FLORIDA REGIONAL OFFICE

📍 28041 Airpark Dr, Unit 117
Punta Gorda, FL 33982

FLORIDA KEYS OFFICE & SHOWROOM

📍 91880 Overseas Hwy #9
Tavernier, FL 33070





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

Lawson Industries, Inc.
8501 NW 90 Street
Medley, FL 33166

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 "SH-7700 (Flange Frame)" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **L7700-0901**, titled "Series-7700 Single Hung Flange Frame Impact Window", sheets 1 through 5 of 5, dated 05/27/09, with revision **G**, dated 09/22/23, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, 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, 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 No. 22-0719.01** 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.**




10/24/23

NOA No. 23-1010.03
Expiration Date: December 27, 2026
Approval Date: November 02, 2023
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. 09-0706.09)
2. Drawing No. **L7700-0901**, titled "Series-7700 Single Hung Flange Frame Impact Window", sheets 1 through 5 of 5, dated 05/27/09, with revision **F** dated 07/01/22, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 22-0719.01)

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 3 specimens of a series 7700 impact single hung window, O/X configuration, prepared by QAI Laboratories, Test Report No. **QAI-13092**, dated 06/10/22, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 22-0719.01)
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 an aluminum single hung window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-09-2530A** and **HETI-09-2530B**, dated 03/02/09, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 09-0706.09)
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 an aluminum single hung window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-08-2003C**, **HETI-08-2004A**, **HETI-08-2060A & B**, **HETI-08-2061A & B**, **HETI-08-2062A & B**, **HETI-08-2063A & B**, **HETI-08-2064A & B**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 08-0825.17)


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1010.03
Expiration Date: December 27, 2026
Approval Date: November 02, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-2987** and **FTL-2986**, dated 04/03/01 and 03/27/01 respectively, both signed and sealed by Luis Antonio Figueredo, P.E.
(Submitted under NOA No. 01-1009.01)

C. CALCULATIONS


1. Anchor verification calculations and structural analysis, complying with FBC 7th Edition (2020), dated 05/28/09, revised on 01/18/10 and updated on 07/12/22, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 22-0719.01)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 11/19/20, expiring on 07/04/23.
2. 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.
3. 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.
4. 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.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1010.03
Expiration Date: December 27, 2026
Approval Date: November 02, 2023

Lawson Industries, Inc.


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, dated July 12, 2022, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 22-0719.01)
2. Statement letter of no financial interest, dated July 12, 2022, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 22-0719.01)
3. Proposal No. **22-0505** issued by the Product Control Section, dated May 12, 2022, signed by Manuel Perez, P.E.
(Submitted under NOA No. 22-0719.01)
4. Laboratory compliance letter for Test Report No. **HETI-09-2530A & B**, issued by Hurricane Engineering & Testing, Inc., dated 03/02/09, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 09-0706.09)
5. Laboratory compliance letter for Test Reports No. **HETI-08-2003C, HETI-08-2004A, HETI-08-2060A & B, HETI-08-2061A & B, HETI-08-2062A & B, HETI-08-2063A & B, HETI-08-2064A & B**, issued by Hurricane Engineering & Testing, Inc., dated 03/15/08, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 08-0825.17)
6. Laboratory compliance letter for Test Reports No. **FTL-2987** and **FTL-2986**, issued by Fenestration Testing Laboratory, Inc., dated 04/03/01 and 03/27/01, signed and sealed by Luis Antonio Figueredo, P.E.
(Submitted under NOA No. 01-0406.08)

G. OTHERS

1. Notice of Acceptance No. **20-0813.07**, issued to Lawson Industries, Inc. for their Series "SH-7700 (Flange Frame)" Aluminum Single Hung Window – L.M.I., approved on 12/17/20 and expiring on 12/27/26.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1010.03
Expiration Date: December 27, 2026
Approval Date: November 02, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED (CONTINUED)

A. DRAWINGS

1. Drawing No. **L7700-0901**, titled “Series-7700 Single Hung Flange Frame Impact Window”, sheets 1 through 5 of 5, dated 05/27/09, with revision **G** dated 09/22/23, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.

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 SH-7700 aluminum single hung window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-23-8049**, dated 07/24/23, signed and sealed by Ram N. Tewari, P.E.

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. **22-1116.01** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 12/15/22, expiring on 07/04/28.
2. 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.
3. 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.
4. Notice of Acceptance No. **22-1130.05** issued to **Eastman Chemical Company (MA)** for their “**Saflex Storm - Saflex and Saflex HP Composite Glass Interlayers with PET Core**” dated 01/26/23, expiring on 12/11/28.



Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1010.03
Expiration Date: December 27, 2026
Approval Date: November 02, 2023

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


2. NEW EVIDENCE SUBMITTED (CONTINUED)

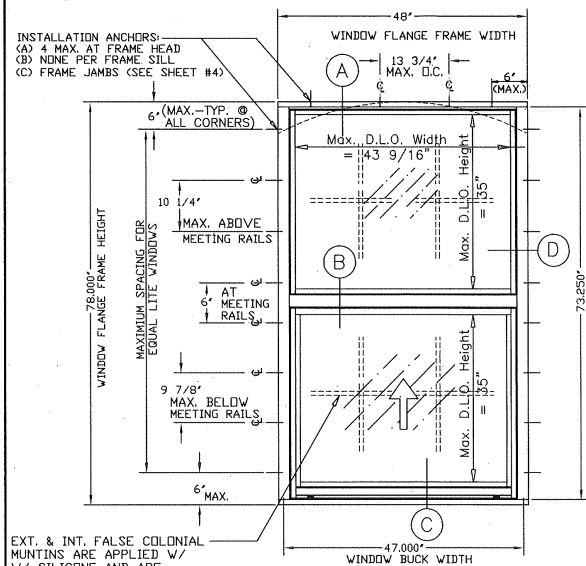
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated October 4, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
2. Statement letter of no financial interest, dated October 4, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
3. Proposal No. **23-0461R** issued by the Product Control Section, dated June 13, 2023 and revised on June 16, 2023, signed by Manuel Perez, P.E.

G. OTHERS

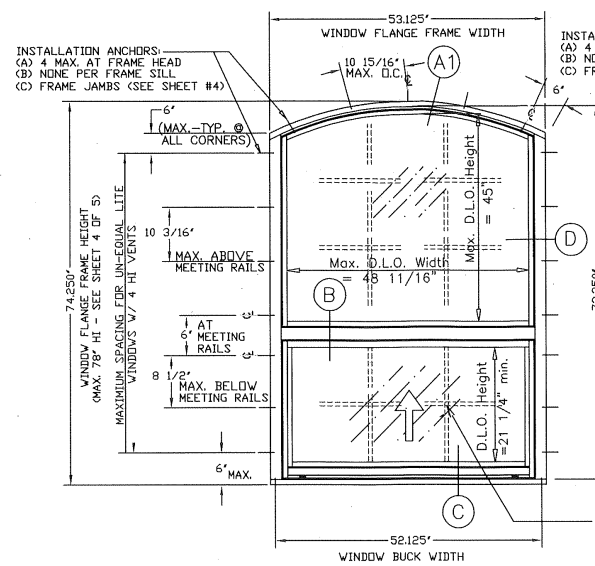
1. Notice of Acceptance No. **22-0719.01**, issued to Lawson Industries, Inc. for their Series “SH-7700 (Flange Frame)” Aluminum Single Hung Window – L.M.I., approved on 08/11/22 and expiring on 12/27/26.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1010.03
Expiration Date: December 27, 2026
Approval Date: November 02, 2023

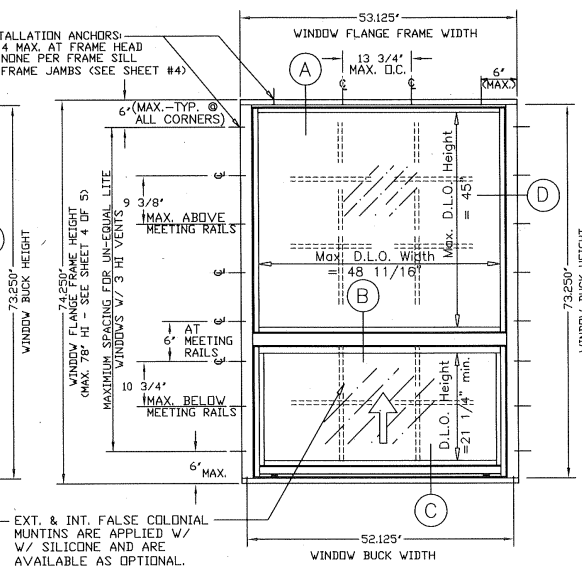


EXT. & INT. FALSE COLONIAL MUNTINS ARE APPLIED W/ W/ SILICONE AND ARE AVAILABLE AS OPTIONAL.

48" x 78" EQUAL LITE ELEVATION
 * INCLUDES UN-EQUAL LITE AND RADIUS HEAD
 (LIMITED TO LOADS ON SHEET 4 OF 5)



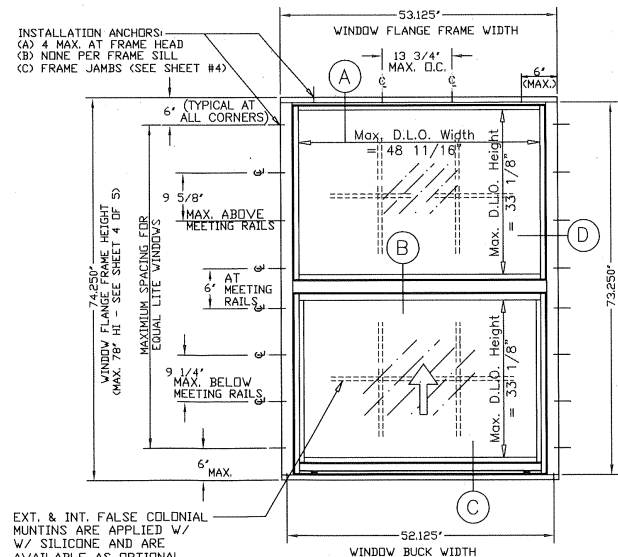
UN-EQUAL LITE RADIUS ELEVATION
 (LIMITED TO LOADS ON SHEET 4 OF 5)



UN-EQUAL LITE ELEVATION
 (LIMITED TO LOADS ON SHEET 4 OF 5)

General Notes:

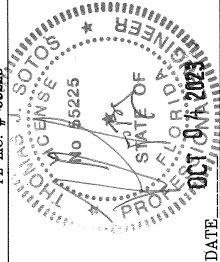
1. THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (2020-7th Edition & 2023-8th Edition) INCLUDING HIGH VELOCITY HURRICANE ZONE VELOCITY (HVHZ) AND ASTM 1300-09. THIS PRODUCT IS IMPACT RESISTANT. (SHUTTERS NOT REQUIRED)
2. WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH THE REQUIREMENTS OF THE F.B.C. & TO BE REVIEWED BY BUILDING OFFICIAL.
3. ANCHORS SHOWN ABOVE ARE AS PER TEST UNITS. ANCHORS ON ALL WINDOW SIZES ARE NOT TO EXCEED THESE MAXIMUM SPACINGS ON CENTER (O.C.) AND AS TABULATED ON SHEET 4.
4. ANCHOR CONDITIONS NOT DESCRIBED IN THESE DRAWING'S ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS, UNDER SEPARATE APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.
5. WINDOWS ARE QUALIFIED FOR USE WITH SINGLE GLAZE LAMINATED GLASS TYPES TABULATED HEREIN (SEE SHEET #3), AND FOR USE WITH DOUBLE GLAZE LAMINATED INSULATED GLASS TYPES TABULATED HEREIN (SEE SHEET #3).
6. SEE SHEET 3 FOR LOCK DETAILS & OPTIONS.
7. SEE SHEET 4 FOR DESIGN PRESSURES AND GLASS TYPES.
8. FOR OPTIONAL FRAME INSTALLATION DETAILS SEE SHEET 3.
9. EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND ARE APPLIED W/ SILICONE
10. WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED AND ANCHORED (BY OTHERS), PRIOR TO WINDOW INSTALLATION. (SEE SHEET #2 FOR DETAIL & NOTES) WOOD BUCKS TO BE ANCHORED IN COMPLIANCE WITH THE FBC CHAPTER 24, SECTION 11.3.3.3.
11. APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE MULLED UNITS.
12. MULLED SINGLE HUNG WINDOWS WITH OTHER TYPES OF MIAMI-DADE COUNTY APPROVED WINDOWS USING A MIAMI-DADE COUNTY APPROVED MULLION IN BETWEEN ARE ACCEPTABLE BUT THE LOWER DESIGN PRESSURE FROM THE WINDOWS OR MULLION APPROVAL WILL APPLY TO THE ENTIRE MULLED SYSTEM.
13. SEE SHEET # 3 FOR MULLION/METAL ATTACHMENT DETAILS & OPTIONS.
14. ALL METAL/STEEL IN CONTACT WITH ALUMINUM OR OTHER DISSIMILAR MATERIALS TO BE PAINTED OR PLATED AND SHALL MEET THE FLORIDA BLDG. CODE.



EQUAL LITE ELEVATION
 (LIMITED TO LOADS ON SHEET 4 OF 5)

PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **23-1010.03**
 Expiration Date: **12/27/2026**
 By: *Manuel J. Sotos*
 Miami-Dade Product Control

THOMAS J. SOTOS
 PROFESSIONAL ENGINEER
 FL LIC. # 55225



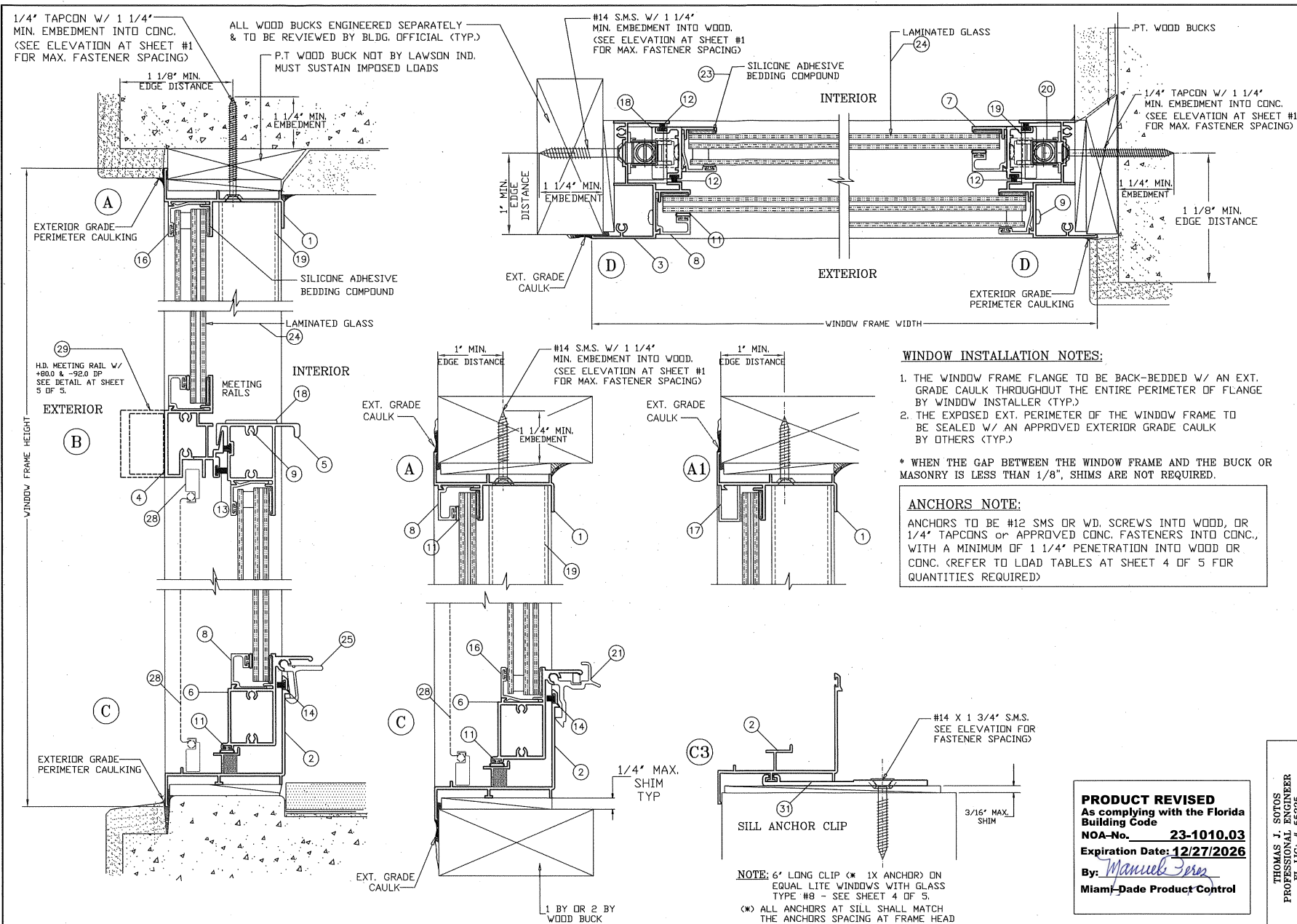
Revision Notes:
 B. Revised to comply w/ 2014 FBC
 C. Compliance w/ FBC 5th Edition (2014)
 D. ASHRAE 62-2009
 E. Revised to comply w/ 2017 FBC
 F. Revised to comply w/ 2020 FBC
 G. Added Glass Type #5 @ SHEET 4 OF 5
 H. Revised to comply w/ 2023 FBC

Date Drawn: N. ERAZO
 Date Revised: 05-27-09
 Date Revised: 09/22/23
 Revision Level: 6

LAWSON INDUSTRIES, INC.
 MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
 SERIES-7700 SINGLE HUNG FRAME IMPACT WINDOW
 APPROVED ELEVATIONS, CONFIGURATIONS AND NOTES
 Product Reference Number: L7700-0901
 Sheet: 1 OF 5
 Revision #:

8501 N.W. 90 ST.
 MEDLEY, FLORIDA 33166
 PH No. (305) 696-8660

DATE



LAWSON INDUSTRIES, INC.

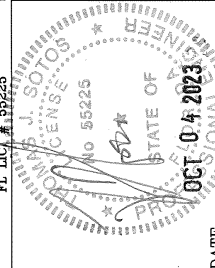
8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
SERIES-7700 SINGLE HUNG FLANGE FRAME IMPACT WINDOW
WINDOW VERTICAL AND HORIZONTAL CROSS SECTION, DETAILS & NOTES

Revision Notes	Revision Number
B. Revised to Comply w/ 2014 FBC	1
C. Compliance w/ FBC 5th Edition (2014) and ASTM E1300-09	2
D. Revised to Comply w/ 2017 FBC	3
E. Revised to Comply w/ 2020 FBC	4
F. Added Glass Type #8 @ SHEET 4 OF 5	5
G. Revised to Comply w/ 2023 FBC	6
Drawn By: N. Erazo	05-27-08
Revised By: N. Erazo	09/22/23
Revision Level: G	Scale:

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-1010.03**
Expiration Date: **12/27/2026**
By: *Manuel Fern*
Miami-Dade Product Control

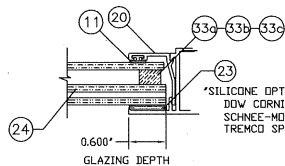


DATE

Sheet 2 OF 5

Drawing Number: L7700-0901

Product Reference Number:



INSULATED LAMINATED GLASS COMPOSITION TYPE 6		
ITEM	GLASS DESCRIPTION	LAMINATE DESCRIPTION
1	1/8" HEAT-STRENGTHENED GLASS	TROSIFOL PVB by Kuraray America, Inc.
2	0.090" PLASTIC INTERLAYER	
3	1/8" HEAT-STRENGTHENED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" ANNEALED GLASS	

INSULATED LAMINATED GLASS COMPOSITION TYPE 7		
ITEM	GLASS DESCRIPTION	LAMINATE DESCRIPTION
1	1/8" ANNEALED GLASS	SAFLEX PVB by Eastman Chemical co.
2	0.090" PLASTIC INTERLAYER	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" ANNEALED GLASS	

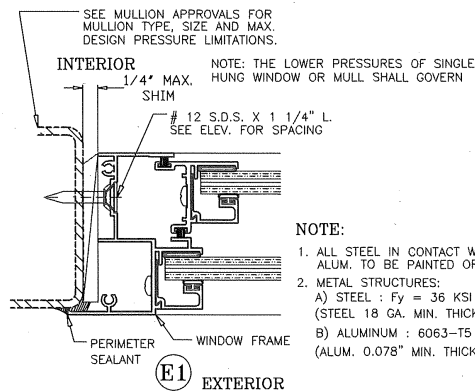
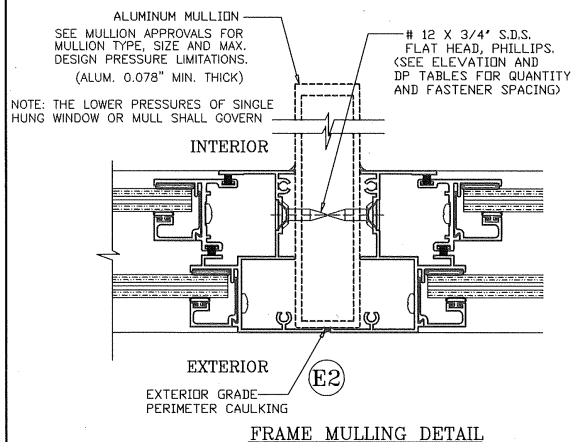
GLAZING DETAILS AND OPTIONS

NOTE:

WINDOWS WITH GLASS TYPES "6 & 7" INSTALLED ABOVE 30ft IN THE HVHZ, THE I.G. IN THE EXTERIOR LITE SHALL BE TEMPERED TO COMPLY WITH THE SMALL MISSILE IMPACT RESISTANCE REQUIREMENTS (FBC-2020 & 2023, Chapter 24 Section 2411.3.3.7).

33 Insulated Spacer Types & Options

- 33 a) "TrueSeal" Swiggle Seal
- 33 b) "Quanex" SuperSpacer w/ Isomelt M
- 33 c) "Quanex" Duraseal



NOTE:

- 1. ALL STEEL IN CONTACT WITH ALUM. TO BE PAINTED OR PLATED.
- 2. METAL STRUCTURES:
 - A) STEEL : $F_y = 36$ KSI MIN. (STEEL 18 GA. MIN. THICK - 0.048")
 - B) ALUMINUM : 6063-T5 MIN. (ALUM. 0.078" MIN. THICK)

METAL STRUCTURE ATTACHMENT DETAIL

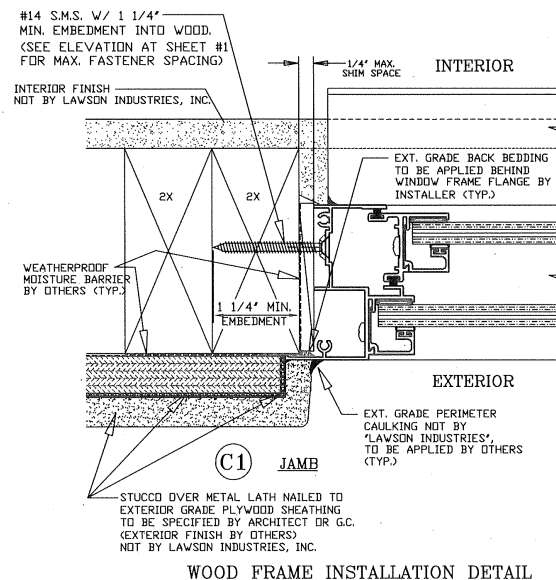
LAMINATED GLASS COMPOSITION - TYPE 2		
ITEM	GLASS DESCRIPTION	LAMINATE DESCRIPTION
1	1/8" ANNEALED GLASS	SAFLEX PVB by Eastman Chemical co.
2	0.090" PLASTIC INTERLAYER	
3	1/8" ANNEALED GLASS	

LAMINATED GLASS COMPOSITION - TYPE 3		
ITEM	GLASS DESCRIPTION	LAMINATE DESCRIPTION
1	1/8" ANNEALED GLASS	SENTRYGLAS by Kuraray America, Inc.
2	0.090" PLASTIC INTERLAYER	
3	1/8" ANNEALED GLASS	

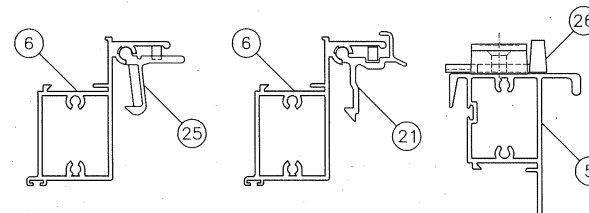
LAMINATED GLASS COMPOSITION - TYPE 4		
ITEM	GLASS DESCRIPTION	LAMINATE DESCRIPTION
1	1/8" ANNEALED GLASS	TROSIFOL PVB by Kuraray America, Inc.
2	0.090" PLASTIC INTERLAYER	
3	1/8" ANNEALED GLASS	

LAMINATED GLASS COMPOSITION - TYPE 5		
ITEM	GLASS DESCRIPTION	LAMINATE DESCRIPTION
1	1/8" HEAT-STRENGTHENED GLASS	TROSIFOL PVB by Kuraray America, Inc.
2	0.090" PLASTIC INTERLAYER	
3	1/8" HEAT-STRENGTHENED GLASS	

LAMINATED GLASS COMPOSITION - TYPE 8		
ITEM	GLASS DESCRIPTION	LAMINATE DESCRIPTION
1	3/16" HEAT-STRENGTHENED GLASS	SAFLEX "STORM" by Eastman Chemical co.
2	0.077" PLASTIC INTERLAYER	
3	3/16" HEAT-STRENGTHENED GLASS	



WOOD FRAME INSTALLATION DETAIL



LOCK (LATCH AND SWEEP) OPTIONS

- 1. BOTH EXTRUDED ALUMINUM AND PLASTIC LIFT HANDLE LOCKS ARE QUALIFIED FOR USE ON ALL WINDOWS.
- 2. BOTH DIE CAST AND NYLON CAM LOCKS ARE QUALIFIED FOR USE ON ALL WINDOWS.
- 3. TWO (2) LOCKS ARE REQUIRED PER EACH VENT.

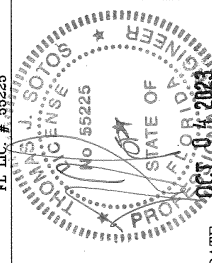
PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-1010.03**
Expiration Date: **12/27/2026**
By: *Manuel J. Soto*
Miami-Dade Product Control

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON INDUSTRIES, INC.
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

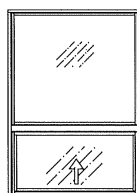
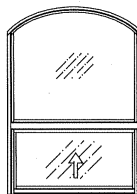
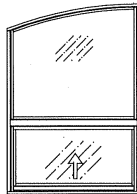
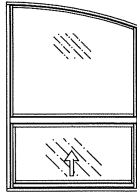
SERIES-7700 SINGLE HUNG FLANGE FRAME IMPACT WINDOW
DESIGN PRESSURES, GLAZING DETAILS & LOCK OPTIONS

Product Name: Series 7700 Single Hung Flange Frame Impact Window
By: Thomas J. Sotos, Professional Engineer, No. 55225
C. Compliance w/ FBC 5th Edition (2014)
D. Revised to Comply w/ 2017 FBC
E. Revised to Comply w/ 2020 FBC
F. Added Glass Type #5 @ SHEET 4 OF 5
G. Revised to Comply w/ 2023 FBC
Drawn By: N. ERAZO
Date Drawn: 05-27-08
Revised By: N. ERAZO
Date Revised: 09/22/23
Scale: 1/8" = 1'-0"
Revision Level: 0



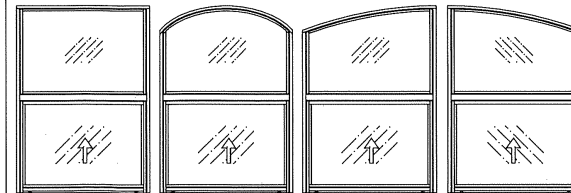
DESIGN LOAD CAPACITY (PSF) - VIEW WINDOWS W/ 3H VENTS					
WINDOW		# Jamb Anchors	+ / - Pressures (psf)		
WIDTH	HEIGHT		Glass Type 4	Glass Type 5	Glass Type 6
19.125	50.625	6	60.0	80.0	80.0
26.5	50.625		60.0	80.0	80.0
37	50.625		60.0	80.0	80.0
42	50.625		60.0	80.0	80.0
48	50.625		60.0	80.0	80.0
53.125	50.625	6	60.0	80.0	80.0
19.125	59		60.0	80.0	80.0
26.5	59		60.0	80.0	80.0
37	59		60.0	80.0	80.0
42	59		60.0	80.0	80.0
48	59	6	60.0	80.0	80.0
53.125	59		60.0	80.0	80.0
19.125	63		60.0	80.0	80.0
26.5	63		60.0	80.0	80.0
37	63		60.0	80.0	80.0
42	63	8	60.0	80.0	80.0
48	63		60.0	80.0	80.0
53.125	63		60.0	80.0	80.0
19.125	74.25		60.0	80.0	80.0
26.5	74.25		60.0	80.0	80.0
37	74.25	8	60.0	80.0	80.0
42	74.25		60.0	80.0	80.0
19.125	78		60.0	80.0	80.0
26.5	78		60.0	80.0	80.0
37	78		60.0	80.0	80.0
42	78		59.0	79.0	79.0

DESIGN LOAD CAPACITY (PSF) - VIEW WINDOWS W/ 4H VENTS					
WINDOW		# Jamb Anchors	+ / - Pressures (psf)		
WIDTH	HEIGHT		Glass Type 4	Glass Type 5	Glass Type 6
19.125	59	6	60.0	80.0	80.0
26.5	59		60.0	80.0	80.0
37	59		60.0	80.0	80.0
42	59		60.0	80.0	80.0
48	59		60.0	80.0	80.0
53.125	59	6	60.0	80.0	80.0
19.125	63		60.0	80.0	80.0
26.5	63		60.0	80.0	80.0
37	63		60.0	80.0	80.0
42	63	8	60.0	80.0	80.0
48	63		60.0	80.0	80.0
53.125	63		60.0	80.0	80.0
19.125	74.25		60.0	80.0	80.0
26.5	74.25		60.0	80.0	80.0
37	74.25	8	60.0	80.0	80.0
42	74.25		60.0	80.0	80.0
48	74.25		60.0	80.0	80.0
53.125	74.25		60.0	80.0	80.0
19.125	78		60.0	80.0	80.0
26.5	78	8	60.0	80.0	80.0
37	78		60.0	80.0	80.0
42	78		60.0	80.0	80.0
48	78		59.0	79.0	79.0



APPROVED
CONFIGURATIONS
UN-EQUAL LITE

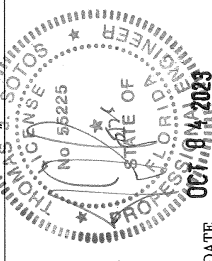
DESIGN LOAD CAPACITY (PSF) - EQUAL LITE WINDOWS									
WINDOW		# Jamb Anchors	+ / - Pressures (psf)						Glass Type 8
WIDTH	HEIGHT		Glass Type 2	Glass Type 3	Glass Type 4	Glass Type 5	Glass Type 6	Glass Type 7	(W/H.D. Meeting Rail)
19.125	26	4	80.0	80.0	60.0	80.0	80.0	80.0	(+) Pos. (-) Neg.
26.5	26		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
37	26		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
42	26		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
48	26		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
53.125	26	4	80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
19.125	38.375		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
26.5	38.375		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
37	38.375		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
42	38.375		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
48	38.375	6	80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
53.125	38.375		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
19.125	50.625		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
26.5	50.625		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
37	50.625		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
42	50.625	6	80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
48	50.625		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
53.125	50.625		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
19.125	59		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
26.5	59		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
37	59	6	80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
42	59		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
48	59		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
53.125	59		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
19.125	63		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
26.5	63	6	80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
37	63		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
42	63		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
48	63		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
53.125	63		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
19.125	74.25	8	80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
26.5	74.25		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
37	74.25		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
42	74.25		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
48	74.25		80.0	80.0	60.0	80.0	80.0	80.0	80.0 92.0
53.125	74.25	8	74.0	77.0	-	-	-	80.0	80.0 92.0
19.125	78		80.0	80.0	60.0	80.0	80.0	80.0	- -
26.5	78		80.0	80.0	60.0	80.0	80.0	80.0	- -
37	78		80.0	80.0	-	-	-	80.0	- -
42	78		79.0	79.0	-	-	-	79.0	- -
48	78		71.0	71.0	-	-	-	71.0	- -



APPROVED CONFIGURATIONS - EQUAL LITE

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-1010.03**
Expiration Date: **12/27/2026**
By: *Manuel Jern*
Miami-Dade Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
No. 55225
FLA. LIC. #



8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON INDUSTRIES, INC.

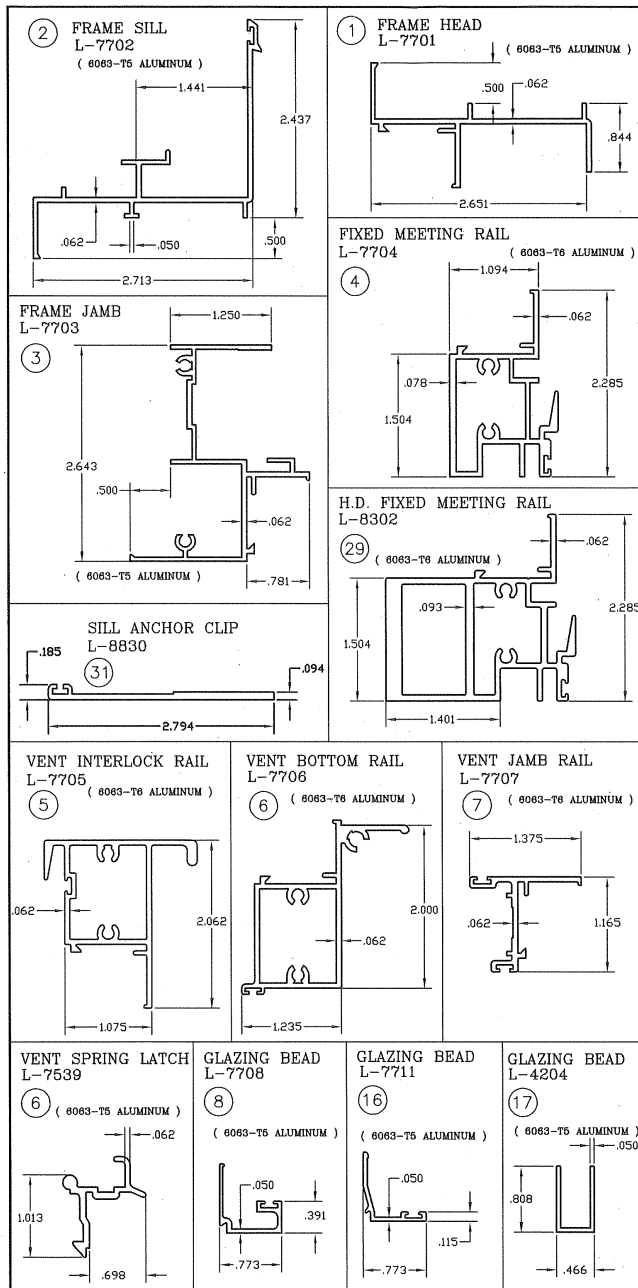
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES-7700 SINGLE HUNG FLANGE FRAME IMPACT WINDOW

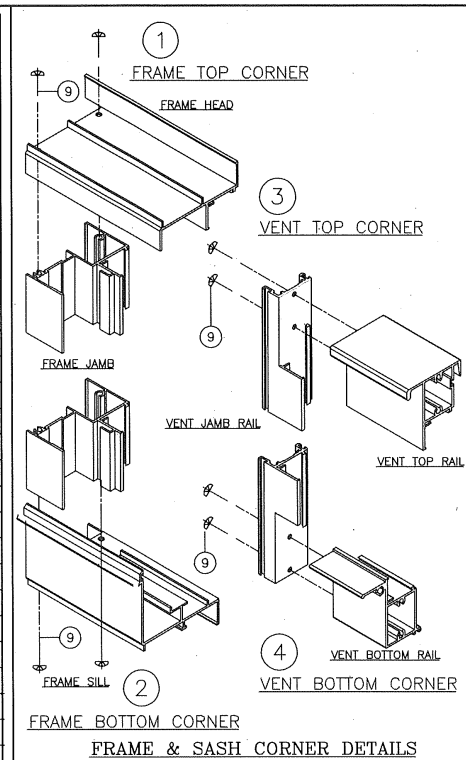
DESIGN PRESSURE CHARTS, & CONFIGURATION OPTIONS

Product Reference Number: L7700-0901
Drawing Number: 4 OF 5
Revision #:

DATE



BILL OF MATERIALS				
ITEM #	PART #	REQD.	DESCRIPTION	REMARKS
1	L-7801	1	FLANGE FRAME HEAD	6063-T6 ALUMINUM
2	L-7802	1	FLANGE FRAME SILL	6063-T6 ALUMINUM
3	L-7803	2	FLANGE FRAME JAMB	6063-T6 ALUMINUM
4	L-7704	1	FRAME FIXED MEETING RAIL	6063-T6 ALUMINUM
5	L-7705	1	VENT MEETING (TOP) RAIL	6063-T6 ALUMINUM
6	L-7706	1	VENT BOTTOM (LATCH) RAIL	6063-T6 ALUMINUM
7	L-7707	2	VENT JAMB (SIDE) RAIL	6063-T6 ALUMINUM
8	L-7708	AS REQ'D.	GLAZING BEAD (3/8")	6063-T5 ALUMINUM
9	FS-006	AS REQ'D.	ASSEMBLY SCREWS	#8 X 1" P.H. PHILLIPS
10	FS-040	AS REQ'D.	INSTALLATION SCREWS	#14 X 1 1/4" F.H./PHIL.
11	L-7531	AS REQ'D.	BULB VINYL WTS'P	1/4" DIA. BULB #3033
12	PWS-003	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187"x.230"
13	PWS-005	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187"x.350"
14	PWS-009	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187"x.310"
15	HC-024-1	2	SELF ADHESIVE PILE PAD	1/4" X 1 1/2"
16	L-7711	AS REQ'D.	GLAZING BEAD/ INSULATED	6063-T5 ALUMINUM
17	L-4204	AS REQ'D.	GLAZING BEAD - RADIUS	6063-T5 ALUMINUM
18	L-7723	1	SASH BALANCE CAM/GUIDE	(2 X VENT)
19	L-7725	2	RIGID VINYL SASH STOP	(2 X FRAME)
20	L-7727	2	BLOCK & TACKLE BALANCE	BSI Balance Systems
21	L-7539	2	VENT LIFT LATCH	6063-T5 ALUMINUM
22	L-7523	1X LATCH	VENT LATCH SPRING	STAINLESS STEEL
23	*	AS REQ'D.	GLAZING SILICONE	SEE GLAZING @ SHT. 3
24	*	2	Laminated Glass	SEE GLAZING DETAILS
25	HC-057-1	2	VENT LIFT LATCH	MOLDED NYLON
26	HC-058-1	2	VENT SWEEP LATCH	MOLDED NYLON
27	*	2	FRAME SILL FOAM GASKET	SELF ADHESIVE
28	HC-026-1	1	SCREEN FRAME & MESH	
29	L-8302	1	H.D. FIXED MEETING RAIL	6063-T6 ALUMINUM
30	L-4205	AS REQ'D.	GLAZING BEAD (7/16")	6063-T5 ALUMINUM
31	L-8830	1 X Anchor	FAME SILL ANCHOR CLIP	6063-T5 ALUMINUM
32	L-7730	1	PRODUCT LABEL	
33 a	Trueseal	AS REQ'D.	INSULATED Swiggle Spacer	1/4" Air Space
33 b	Quanex	AS REQ'D.	INSULATED SuperSpacer	1/4" Air Space
33 c	Quanex	AS REQ'D.	INSULATED Duraseal	1/4" Air Space
34	SM-5504	AS REQ'D.	JOINT SEALANT	SM-5504
35	*	AS REQ'D.	PERIMETER ACRYLIC CAULK	DSI POLYSEAMSEAL



8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES-7700 SINGLE HUNG FLANGE FRAME IMPACT WINDOW

BILL OF MATERIALS, EXTRUSION DETAILS & CORNER ASSEMBLY DETAILS

Product Reference Number: L7700-0901

Sheet: 5 OF 5

Revision Notes:
B. Revised to Comply w/ 2014 FBC
C. Compliance w/ FBC 5th Edition (2014)
and ASTM E1300-09
D. Revised to Comply w/ 2017 FBC
E. Revised to Comply w/ 2020 FBC
F. Added Glass Type #3 @ SHEET 4 OF 5
G. Revised to Comply w/ 2023 FBC

Date Drawn: 05-27-09
Date Revised: 09/22/23

Drawn By: N. ERAZO
Revised By: N. ERAZO
Revision Level: G

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-1010.03**
Expiration Date: **12/27/2026**
By: *Manuel Fern*
Miami-Dade Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 56225

DATE: OCT 4 2023



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

Lawson Industries, Inc.
8501 NW 90 Street
Medley, FL 33166

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 "HS-8700 (Flange Frame)" Aluminum Horizontal Sliding Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **L8700-0901**, titled "HS-8700 Horizontal Rolling Flange Impact Window", sheets 1 through 10 of 10, dated 05/30/09, with revision **I**, dated 09/25/23, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, 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, 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 No. 22-0719.02** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5 and E-6, as well as approval document mentioned above.

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




10/24/23

NOA No. 23-1010.04
Expiration Date: April 11, 2027
Approval Date: November 02, 2023
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. 02-0227.05)
2. Drawing No. **L8700-0901**, titled "HS-8700 Horizontal Rolling Flange Impact Window", sheets 1 through 10 of 10, dated 05/30/09, with revision **H** dated 06/24/22, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 22-0719.02)

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 3 specimens of a series 8700 impact horizontal rollers, XO configuration, prepared by QAI Laboratories, Test Report No. **QAI-13097**, dated 06/20/22, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 22-0719.02)
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, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of 3 specimens of an aluminum horizontal sliding window, XO configuration, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-4148-01**, dated 06/04/21, signed and sealed by Douglas J. McDougall, P.E.
(Submitted under NOA No. 22-0118.01)
3. 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 marked-up drawings and installation diagram of a series HS-8700 flange frame aluminum horizontal sliding window, XO and XOX configurations, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-10715**, dated 05/08/19, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 19-0708.09)



Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1010.04
Expiration Date: April 11, 2027
Approval Date: November 02, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, XOX (1/4-1/2-1/4 and 1/3-1/3-1/3) configuration, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-10-3049** and **HETI-10-3051**, dated 03/23/11, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 11-0705.10)
5. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
along with marked-up drawings and installation diagram of 8 specimens of an aluminum horizontal sliding window, XOX (1/4-1/2-1/4 and 1/3-1/3-1/3) configuration, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-10-3047**, **HETI-10-3053**, **HETI-10-3057**, **HETI-10-3130**, **HETI-10-3223** and **HETI-10-3225**, all dated 03/23/11, and signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 11-0705.10)
6. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, XOX (1/4-1/2-1/4 and 1/3-1/3-1/3) configuration, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-10-3048**, **HETI-10-3049I**, dated 11/09/10, **HETI-10-3050**, **HETI-10-3052B**, **HETI-10-3056**, **HETI-10-3131**, **HETI-10-3224** and **HETI-10-3226**, all dated 03/23/11, and signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 11-0705.10)
7. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, XOX configuration, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-10-3251**, dated 04/25/11, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 11-0705.10)


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1010.04
Expiration Date: April 11, 2027
Approval Date: November 02, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

B. TESTS (CONTINUED)

8. 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 marked-up drawings and installation diagram of 8 specimens of an aluminum horizontal sliding window, XO configuration, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-08-2033, HETI-08-2034, HETI-08-2035, HETI-08-2036, HETI-08-2037, HETI-08-2038, HETI-08-2116A** and **HETI-08-2116B**, all dated 02/28/08, and signed and sealed by Candido F. Font, P.E.

(Submitted under NOA No. 09-0706.05)

9. 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 marked-up drawings and installation diagram of 8 specimens of an aluminum horizontal sliding window, XO configuration, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-3097, FTL-3098 and FTL-3364**, dated 12/06/01, 12/11/01 and 01/28/02, respectively, all signed and sealed by Luis Antonio Figueredo, P.E.

(Submitted under NOA No. 02-0227.05)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 7th Edition (2020), dated 05/28/09, revised on 07/10, 01/25/12 and 01/12/22 and updated on 07/13/22, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 22-0719.02)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1010.04
Expiration Date: April 11, 2027
Approval Date: November 02, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (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. **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.
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.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, dated July 12, 2022, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 22-0719.02)
2. Statement letter of no financial interest, dated July 12, 2022, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 22-0719.02)
3. Proposal No. **22-0505** issued by the Product Control Section, dated May 12, 2022, signed by Manuel Perez, P.E.
(Submitted under NOA No. 22-0719.02)
4. Proposal No. **19-1433** issued by the Product Control Section, dated January 15, 2020, signed by Manuel Perez, P.E.
(Submitted under NOA No. 22-0118.01)
5. Proposal No. **18-1697** issued by the Product Control Section, dated January 04, 2019, signed by Manuel Perez, P.E.
(Submitted under NOA No. 19-0708.09)
6. Laboratory compliance letter for Test Reports No. **HETI-10-3047, HETI-10-3048, HETI-10-3049, HETI-10-3049I, HETI-10-3050, HETI-10-3051, HETI-10-3052B, HETI-10-3053, HETI-10-3056, HETI-10-3057, HETI-10-3130, HETI-10-3131, HETI-10-3223, HETI-10-3224, HETI-10-3225 and HETI-10-3226**, all issued by Hurricane Engineering & Testing, Inc., dated 11/09/10, 03/23/11 and 04/25/11, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 11-0705.10)


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1010.04
Expiration Date: April 11, 2027
Approval Date: November 02, 2023

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

F. STATEMENTS (CONTINUED)

7. Laboratory compliance letter for Test Report No. **HETI-10-3251**, issued by Hurricane Engineering & Testing, Inc., dated 04/25/11, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 11-0705.10)
8. Laboratory compliance letter for Test Reports No. **HETI-08-2033, HETI-08-2034, HETI-08-2035, HETI-08-2036, HETI-08-2037, HETI-08-2038, HETI-08-2116A** and **HETI-08-2116B**, all issued by Hurricane Engineering & Testing, Inc., dated 01/15/08 through 02/28/08, and signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 09-0706.05)
9. Laboratory compliance letter for Test Reports No. **FTL-3097, FTL-3098** and **FTL-3364**, all issued by Fenestration Testing Laboratory, Inc., dated 12/06/01, 12/11/01 and 01/28/02, and signed and sealed by Luis Antonio Figueredo, P.E.
(Submitted under NOA No. 02-0227.05)

G. OTHERS

1. Notice of Acceptance No. **22-0118.01**, issued to Lawson Industries, Inc. for their Series "HS-8700 (Flange Frame)" Aluminum Horizontal Sliding Window – L.M.I., approved on 02/24/22 and expiring on 04/11/27.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS


1. Drawing No. **L8700-0901**, titled "HS-8700 Horizontal Rolling Flange Impact Window", sheets 1 through 10 of 10, dated 05/30/09, with revision **I** dated 09/25/23, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.

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 SH-7700 aluminum single hung window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-23-8049**, dated 07/24/23, signed and sealed by Ram N. Tewari, P.E.

C. CALCULATIONS

1. None.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1010.04
Expiration Date: April 11, 2027
Approval Date: November 02, 2023

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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. **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. **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.
3. Notice of Acceptance No. **22-1130.05** issued to **Eastman Chemical Company (MA)** for their “**Saflex Storm - Saflex and Saflex HP Composite Glass Interlayers with PET Core**” dated 01/26/23, expiring on 12/11/28.

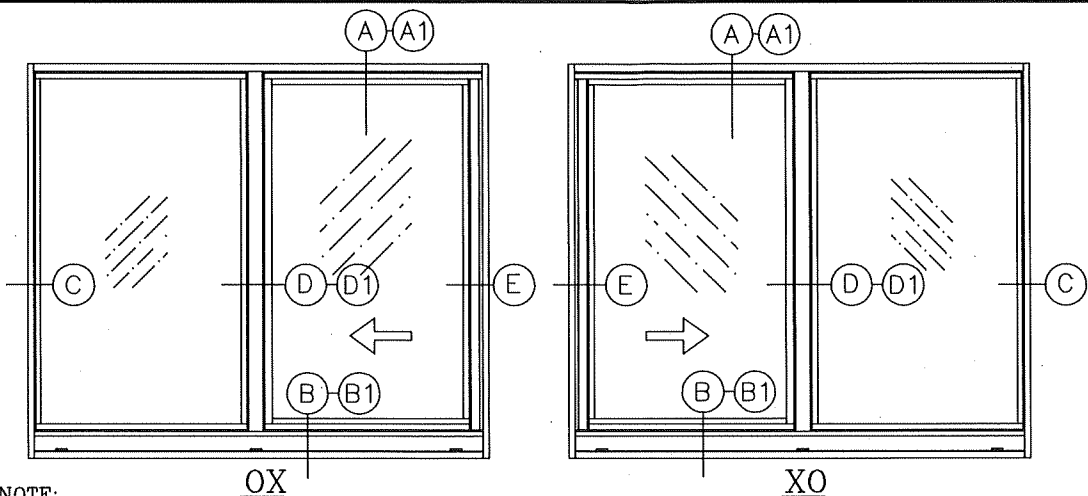
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated October 4, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
2. Statement letter of no financial interest, dated October 4, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
3. Proposal No. **23-0461R** issued by the Product Control Section, dated June 13, 2023 and revised on June 16, 2023, signed by Manuel Perez, P.E.

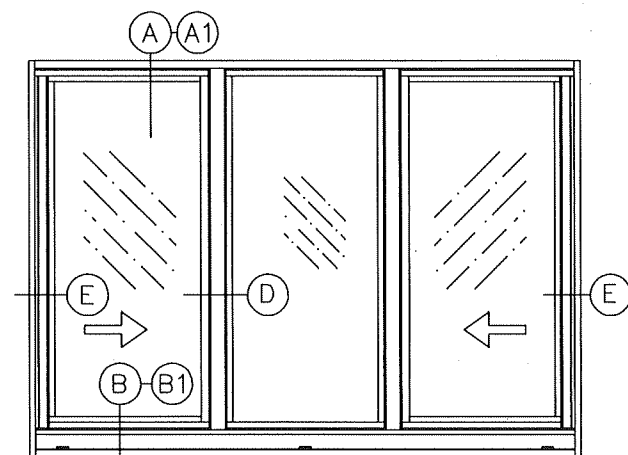
G. OTHERS

1. Notice of Acceptance No. **22-0719.02**, issued to Lawson Industries, Inc. for their Series “**HS-8700 (Flange Frame)**” Aluminum Horizontal Sliding Window – L.M.I., approved on 08/11/22 and expiring on 04/11/27.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1010.04
Expiration Date: April 11, 2027
Approval Date: November 02, 2023

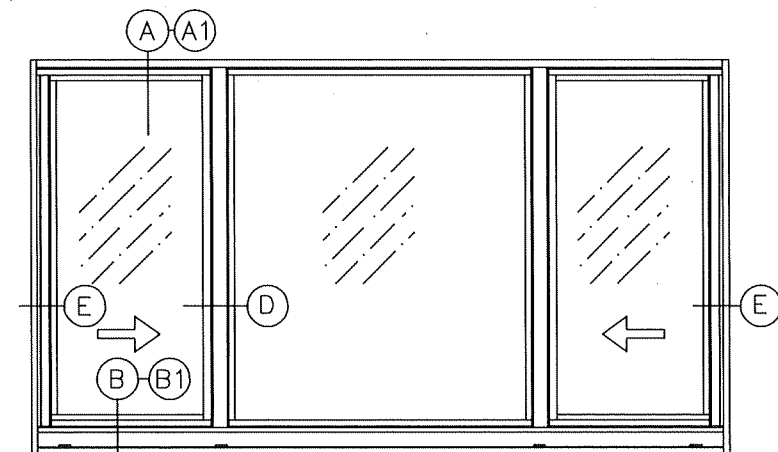


- NOTE:
- 1) REFER TO SHEET 2 OF 10 FOR INSTALLATION ANCHOR DETAILS AND NOTES.
 - 2) FOR VERTICAL CROSS-SECTION DETAILS "A, A1, B, & B1" REFER TO SHEET #3
 - 3) FOR HORIZONTAL CROSS-SECTION DETAILS "C, D, D1, & E" REFER TO SHEET #4
 - 4) REFER TO SHEET 6 OF 10 FOR DESIGN LOAD CHARTS AND NOTES.



XO - Equal Lite (1/3-1/3-1/3)

- NOTES:
- 1) REFER TO SHEET 2 OF 10 FOR INSTALLATION ANCHOR DETAILS AND NOTES.
 - 2) FOR VERTICAL CROSS-SECTION DETAILS "A, A1, B, & B1" REFER TO SHEET #3
 - 3) FOR HORIZONTAL CROSS-SECTION DETAILS "D, & E" REFER TO SHEET #5
 - 4) REFER TO SHEET 8 OF 10 FOR DESIGN LOAD CHARTS AND NOTES.



XO - Un-Equal Lite (1/4-1/2-1/4)

- NOTES:
- 1) REFER TO SHEET 2 OF 10 FOR INSTALLATION ANCHOR DETAILS AND NOTES.
 - 2) FOR VERTICAL CROSS-SECTION DETAILS "A, A1, B, & B1" REFER TO SHEET #3
 - 3) FOR HORIZONTAL CROSS-SECTION DETAILS "D, & E" REFER TO SHEET #5
 - 4) REFER TO SHEET 7 OF 10 FOR DESIGN LOAD CHARTS AND NOTES.

SERIES-8700 HORIZONTAL SLIDING IMPACT WINDOW **APPROVED ELEVATIONS**

General Notes:

- 1.) THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (2020-7th Edition & 2023-8th Edition, INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) AND ASTM 1300-09. THIS PRODUCT IS IMPACT RESISTANT. (SHUTTERS NOT REQUIRED)
- 2.) WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE & TO BE REVIEWED BY BUILDING OFFICIAL.
- 3.) ANCHORS SHOWN ON SHEET 2 OF 10 ARE AS PER TEST UNITS. ANCHORS ON ALL WINDOW SIZES ARE NOT TO EXCEED THESE MAXIMUM SPACINGS ON CENTER (O.C.), AND AS TABULATED ON SHEETS 6, 7, or 8.
- 4.) ANCHOR CONDITIONS NOT DESCRIBED IN THESE DRAWING'S ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS, UNDER SEPARATE APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.
- 5.) WINDOWS ARE QUALIFIED FOR USE WITH SINGLE GLAZE LAMINATED GLASS TYPES TABULATED HEREIN (SEE SHEETS #6, 7, or 8), AND FOR USE WITH DOUBLE GLAZE LAMINATED INSULATED GLASS TYPES TABULATED HEREIN (SEE SHEETS #6, 7 or 8).
- 6.) WINDOWS WITH GLASS TYPES "A, C, OR G" INSTALLED ABOVE 30FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED.
- 7.) SEE SHEET 4 FOR LOCK DETAILS & OPTIONS.
- 8.) SEE SHEET 9 FOR GLASS TYPES.
- 9.) SEE SHEET 6 FOR DESIGN PRESSURES ON "XO or OX" WINDOWS.
- 10.) SEE SHEET 7 FOR DESIGN PRESSURES ON EQUAL-LITE "XOX" WINDOWS.
- 11.) SEE SHEET 8 FOR DESIGN PRESSURES ON UN-EQUAL LITE "XOX" WINDOWS.
- 12.) FOR OPTIONAL FRAME INSTALLATION DETAILS SEE SHEETS 3, 4, or 9.
- 13.) EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND ARE APPLIED W/ SILICONE
- 14.) WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED AND ANCHORED (BY OTHERS), PRIOR TO WINDOW INSTALLATION. (SEE SHEET #3, 4 & 5 FOR DETAILS & NOTES) WOOD BUCKS TO BE ANCHORED IN COMPLIANCE WITH THE FBC CHAPTER 24 SECTION 11.3.3.3.
- 15.) APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE MULLED UNITS.
- 16.) SEE SHEET # 5 FOR MULLION/METAL ATTACHMENT DETAILS, NOTES & OPTIONS.
- 17.) MULLING HORIZONTAL SLIDING WINDOWS WITH OTHER TYPES OF MIAMI-DADE COUNTY APPROVED WINDOWS USING A MIAMI-DADE COUNTY APPROVED MULLION IN BETWEEN ARE ACCEPTABLE BUT THE LOWER DESIGN PRESSURE FROM THE WINDOWS OR MULLION APPROVAL WILL APPLY TO THE ENTIRE MULLED SYSTEM.

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON
INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

HS-8700 HORIZONTAL ROLLING FLANGE IMPACT WINDOW

APPROVED ELEVATIONS, AND GENERAL NOTES

Revision #:

1 OF 10

Sheet:

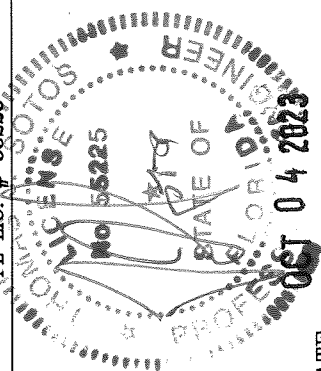
Drawing Number:

18700-0901

Product Reference Number:

Revision Notes:	D. Compliance w/ FBC 6th Edition (2017)
E. Added new Hi Sill w/ new Track	
F. Compliance w/ FBC 7th Edition (2020)	
G. Added Max. "XO or OX" Size: 74" x 74 1/4"	
H. Added Glass Type "I" @ SHEET 9 OF 10	
I. Compliance w/ FBC 8th Edition (2023)	
Drawn By:	N. ERAZO
Date Drawn:	05/30/09
Revised By:	N. ERAZO
Date Revised:	08/26/23
Revision Level:	I
Scale:	

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-1010.04**
Expiration Date: **04/11/2027**
By: *Manuel Perez*
Miami-Dade Product Control

DATE

TEST UNIT SIZE: 111" X 63" *
INSTALLATION FASTENERS
(A) 10 AT FRAME HEAD
(14 AT FRAME HEAD IF DP ABOVE 70.0)
(B) 10 AT EA. FRAME SILL
(14 AT FRAME SILL IF DP ABOVE 70.0)
(C) 5 AT EA. FRAME JAMB
* SEE GENERAL NOTE #3 & #4.

TEST UNIT SIZE: 111" X 63"
INSTALLATION FASTENERS
(A) 10 AT FRAME HEAD
(14 AT FRAME HEAD IF DP ABOVE 70.0)
(B) 10 AT EA. FRAME SILL
(14 AT FRAME SILL IF DP ABOVE 70.0)
(C) 5 AT EA. FRAME JAMB
* SEE GENERAL NOTE #3 & #4.

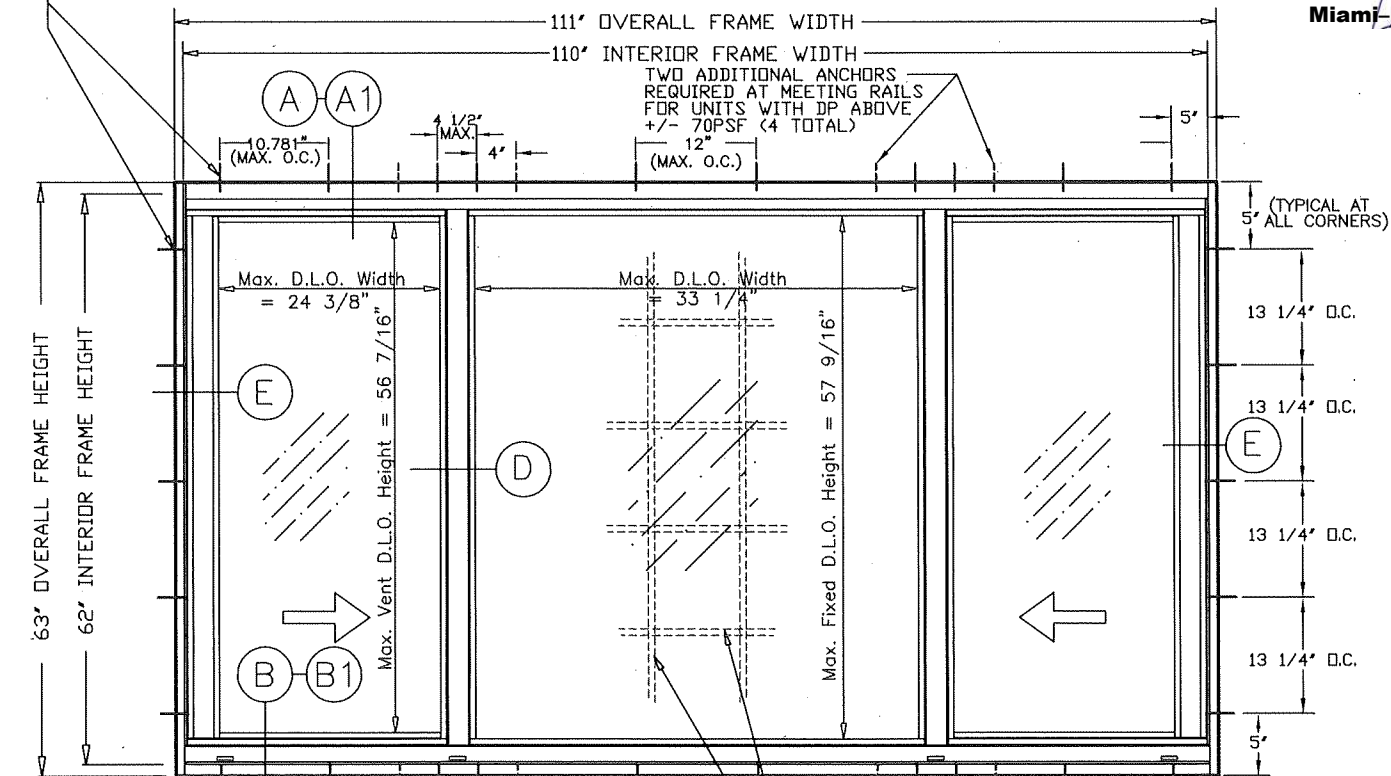
ANCHOR NOTES:

1. SAME ANCHOR SPACING AT HEAD & SILL
2. TWO ADDITIONAL ANCHORS REQUIRED AT MEETING RAILS FOR UNITS WITH DP ABOVE +70PSF / - 75PSF (4 TOTAL)

EXT. & INT. FALSE COLONIAL MUNTINS ARE APPLIED W/ W/ SILICONE AND ARE AVAILABLE AS OPTIONAL.

"XO" WINDOW EQUAL LITE

- NOTES: 1. SEE VERTICAL CROSS-SECTION DETAILS 'A, A1, B, & B1' AT SHEET #3
2. SEE HORIZONTAL CROSS-SECTION DETAILS 'C, D, & E' AT SHEET #5



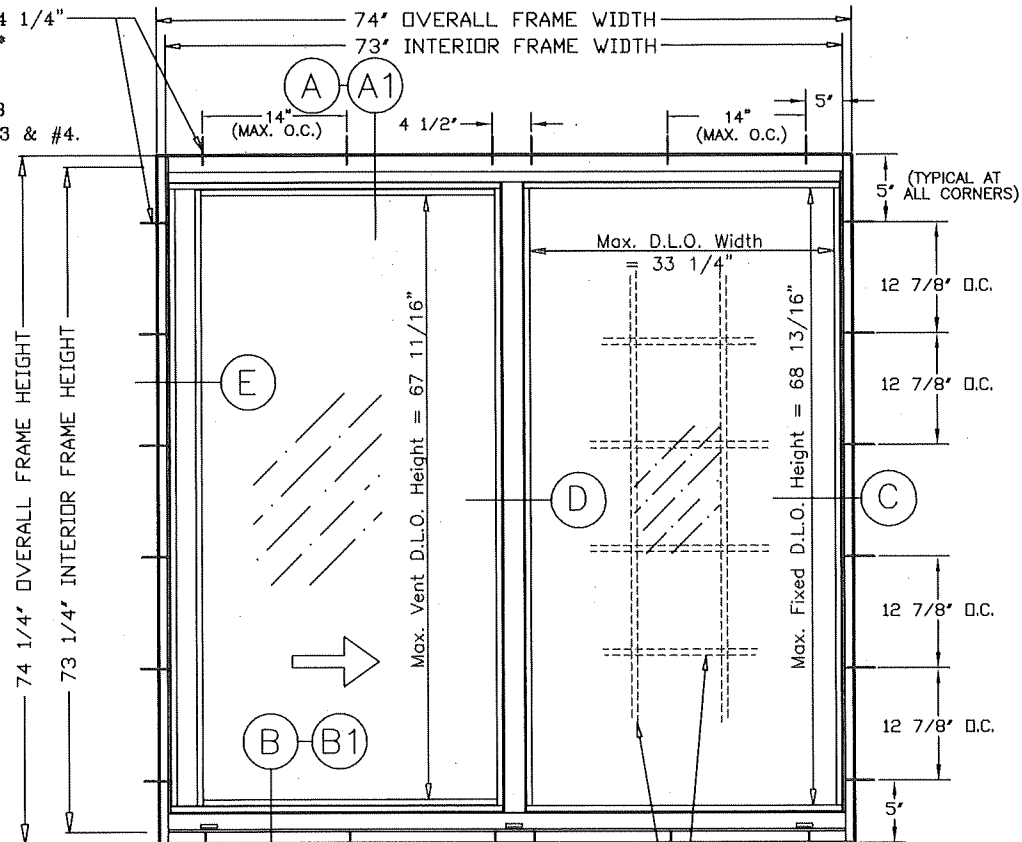
ANCHOR NOTES:

1. SAME ANCHOR SPACING AT HEAD & SILL
2. TWO ADDITIONAL ANCHORS REQUIRED AT MEETING RAILS FOR UNITS WITH DP ABOVE +70PSF / - 75PSF (4 TOTAL)

"XO" WINDOW - UN-EQUAL LITE

- NOTES: 1. SEE VERTICAL CROSS-SECTION DETAILS 'A, A1, B, & B1' AT SHEET #3
2. SEE HORIZONTAL CROSS-SECTION DETAILS 'C, D, & E' AT SHEET #5

TEST UNIT SIZE: 74" X 74 1/4"
INSTALLATION FASTENERS *
(A) 6 AT FRAME HEAD
(B) 6 AT EA. FRAME SILL
(C) 6 AT EA. FRAME JAMB
* SEE GENERAL NOTE #3 & #4.



ANCHOR NOTES:

1. SAME ANCHOR SPACING AT HEAD & SILL

EXT. & INT. FALSE COLONIAL MUNTINS ARE APPLIED W/ W/ SILICONE AND ARE AVAILABLE AS OPTIONAL.

PRODUCT REVISED

As complying with the Florida Building Code

NOA-No. 23-1010.04

Expiration Date: 04/11/2027

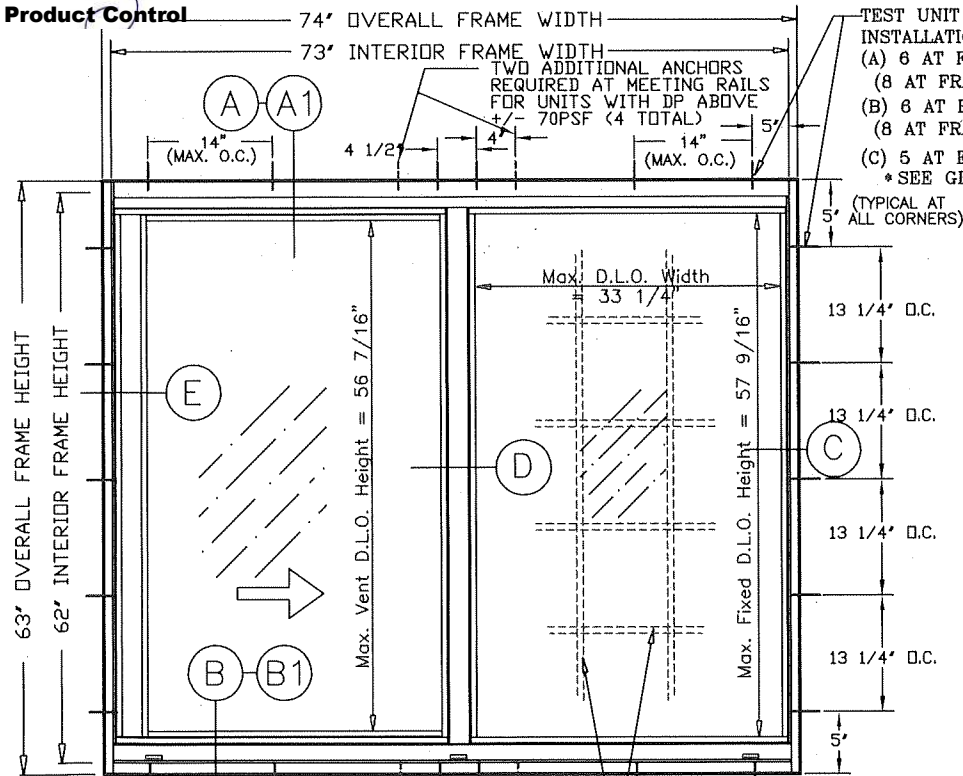
By: Manuel Perez

Miami-Dade Product Control

"XO" WINDOW EQUAL LITE

("OX" REVERSED)

- NOTES: 1. SEE VERTICAL CROSS-SECTION DETAILS 'A, A1, B, & B1' AT SHEET #3
2. SEE HORIZONTAL CROSS-SECTION DETAILS 'C, D, & E' AT SHEET #4



ANCHOR NOTES:

1. SAME ANCHOR SPACING AT HEAD & SILL
2. TWO ADDITIONAL ANCHORS REQUIRED AT MEETING RAILS FOR UNITS WITH DP ABOVE +/- 70PSF (4 TOTAL)

"XO" WINDOW EQUAL LITE

("OX" REVERSED)

- NOTES: 1. SEE VERTICAL CROSS-SECTION DETAILS 'A, A1, B, & B1' AT SHEET #3
2. SEE HORIZONTAL CROSS-SECTION DETAILS 'C, D, & E' AT SHEET #4

LAWSON INDUSTRIES, INC.

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

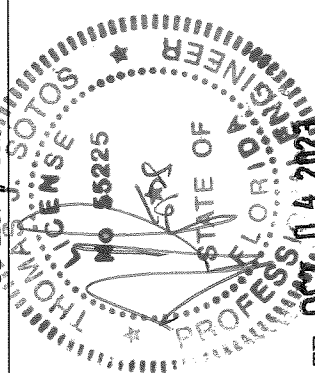
HS-8700 HORIZONTAL ROLLING FLANGE IMPACT WINDOW

APPROVED ELEVATIONS, AND GENERAL NOTES

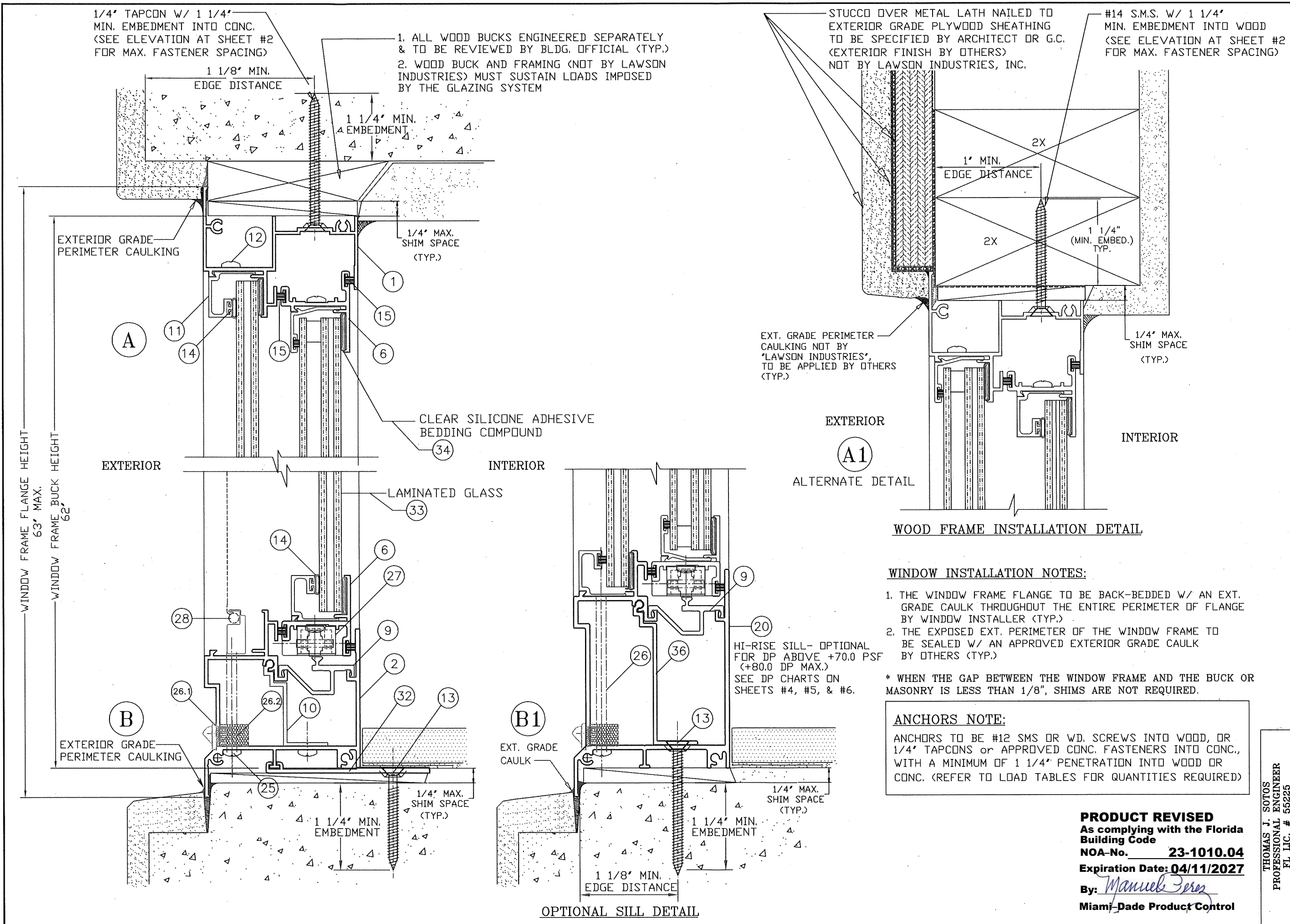
Revision Notes:

D. Compliance w/ FBC 6th Edition (2017)	
E. Added new HI Sill w/ new Track	
F. Compliance w/ FBC 7th Edition (2020)	
G. Added Max "XO" or "OX" Size: 74" x 74 1/4"	
H. Added Glass Type "I" @ SHEET 9 OF 10	
I. Compliance w/ FBC 8th Edition (2023)	
Drawn By: N. ERAZO	Date Drawn: 05/30/09
Revised By: N. ERAZO	Date Revised: 08/25/23
Revision Level: I	Scale:

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL. LIC. # 55225



DATE: OCT 4 2023



8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

HS-8700 HORIZONTAL ROLLING FLANGE WINDOW

WINDOW VERTICAL CROSS SECTION & INSTALLATION OPTIONAL DETAILS

Product Reference Number: L8700-0901

Sheet 3 OF 10

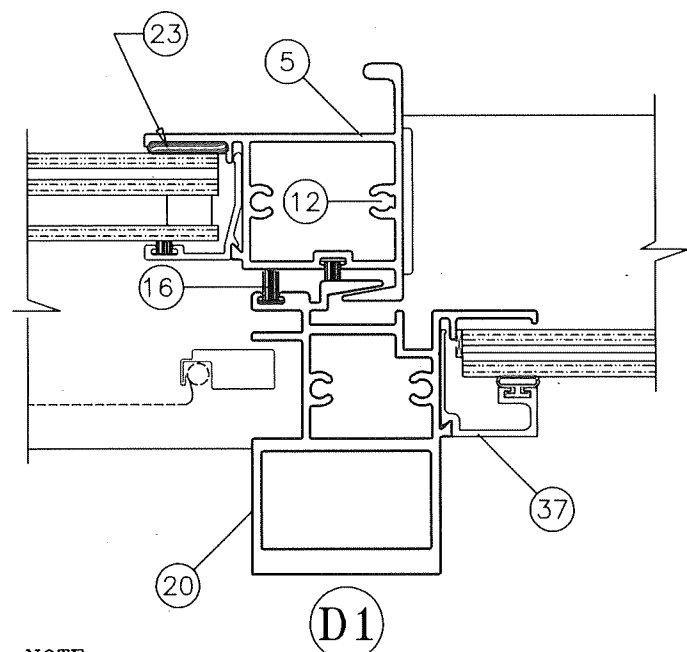
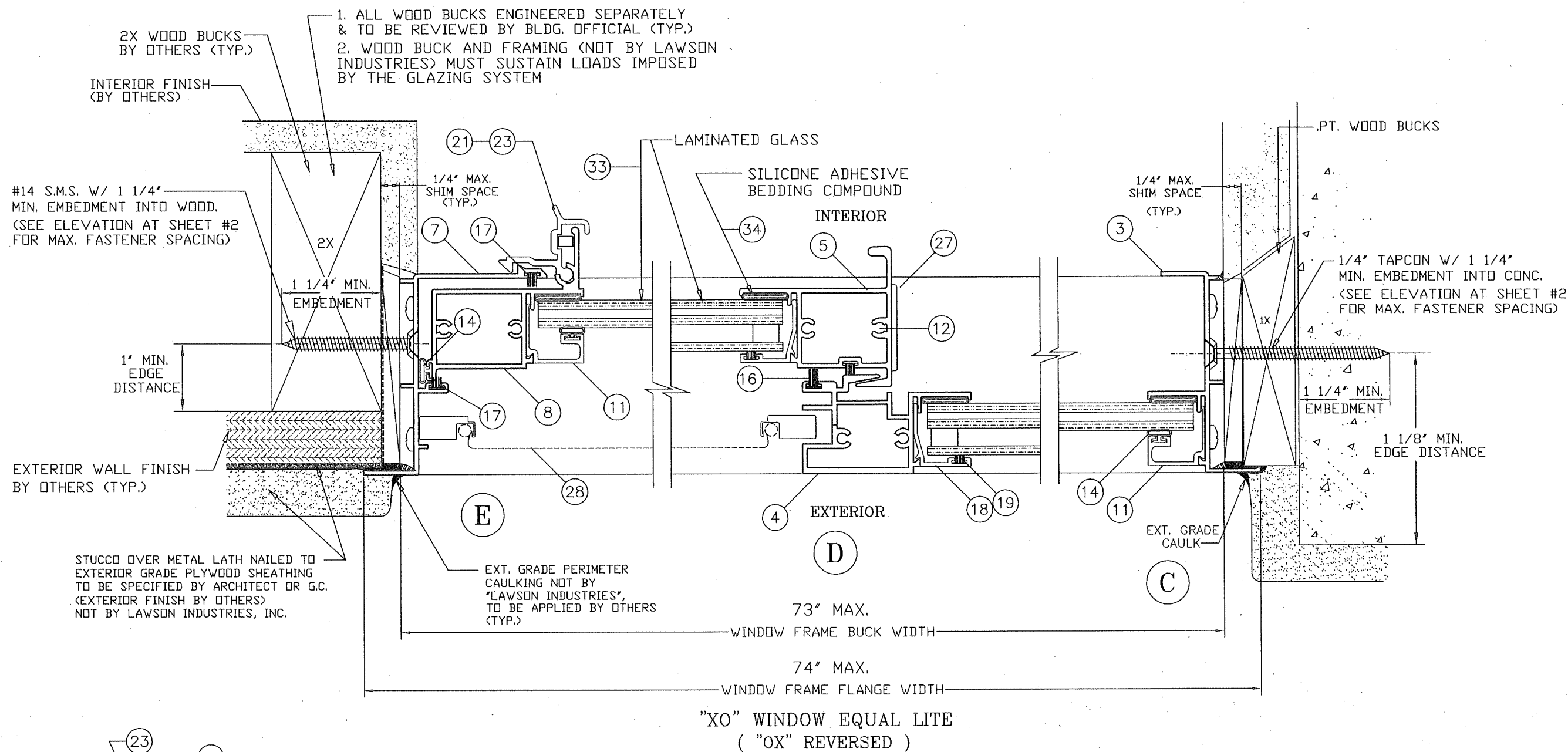
Revision #:

Revision Notes:	Date Drawn:	Date Revised:	Scale:
D. Compliance w/ FBC 6th Edition (2017)	N. ERAZO	05/30/09	1
E. Added new Hi Sill w/ new Track	N. ERAZO	09/25/23	
F. Compliance w/ FBC 7th Edition (2020)			
G. Added Max. "XO or OX" Size: 74" x 74 1/4"			
H. Added Glass Type "I" @ SHEET 9 OF 10			
I. Compliance w/ FBC 8th Edition (2023)			

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-1010.04**
Expiration Date: **04/11/2027**
By: *Manuel Perez*
Miami-Dade Product Control

DATE



NOTE:
H.D. MEETING RAIL FOR "XO" or "OX" WINDOWS
WITH GLASS TYPE "1" (+80.0 DP and -92.0 DP)
- SEE SHEET 6 OF 10

WINDOW INSTALLATION NOTES:

1. THE WINDOW FRAME FLANGE TO BE BACK-BEDDED W/ AN EXT. GRADE CAULK THROUGHOUT THE ENTIRE PERIMETER OF FLANGE BY WINDOW INSTALLER (TYP.)
2. THE EXPOSED EXT. PERIMETER OF THE WINDOW FRAME TO BE SEALED W/ AN APPROVED EXTERIOR GRADE CAULK BY OTHERS (TYP.)

* WHEN THE GAP BETWEEN THE WINDOW FRAME AND THE BUCK OR MASONRY IS LESS THAN 1/8", SHIMS ARE NOT REQUIRED.

ANCHORS NOTE:

ANCHORS TO BE #12 SMS OR WD. SCREWS INTO WOOD, OR 1/4" TAPCONS or APPROVED CONC. FASTENERS INTO CONC., WITH A MINIMUM OF 1 1/4" PENETRATION INTO WOOD OR CONC. (REFER TO LOAD TABLES FOR QUANTITIES REQUIRED)

LAWSON
INDUSTRIES, INC.

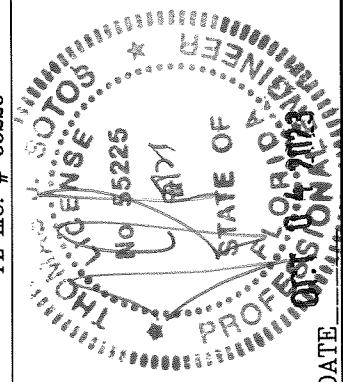
8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

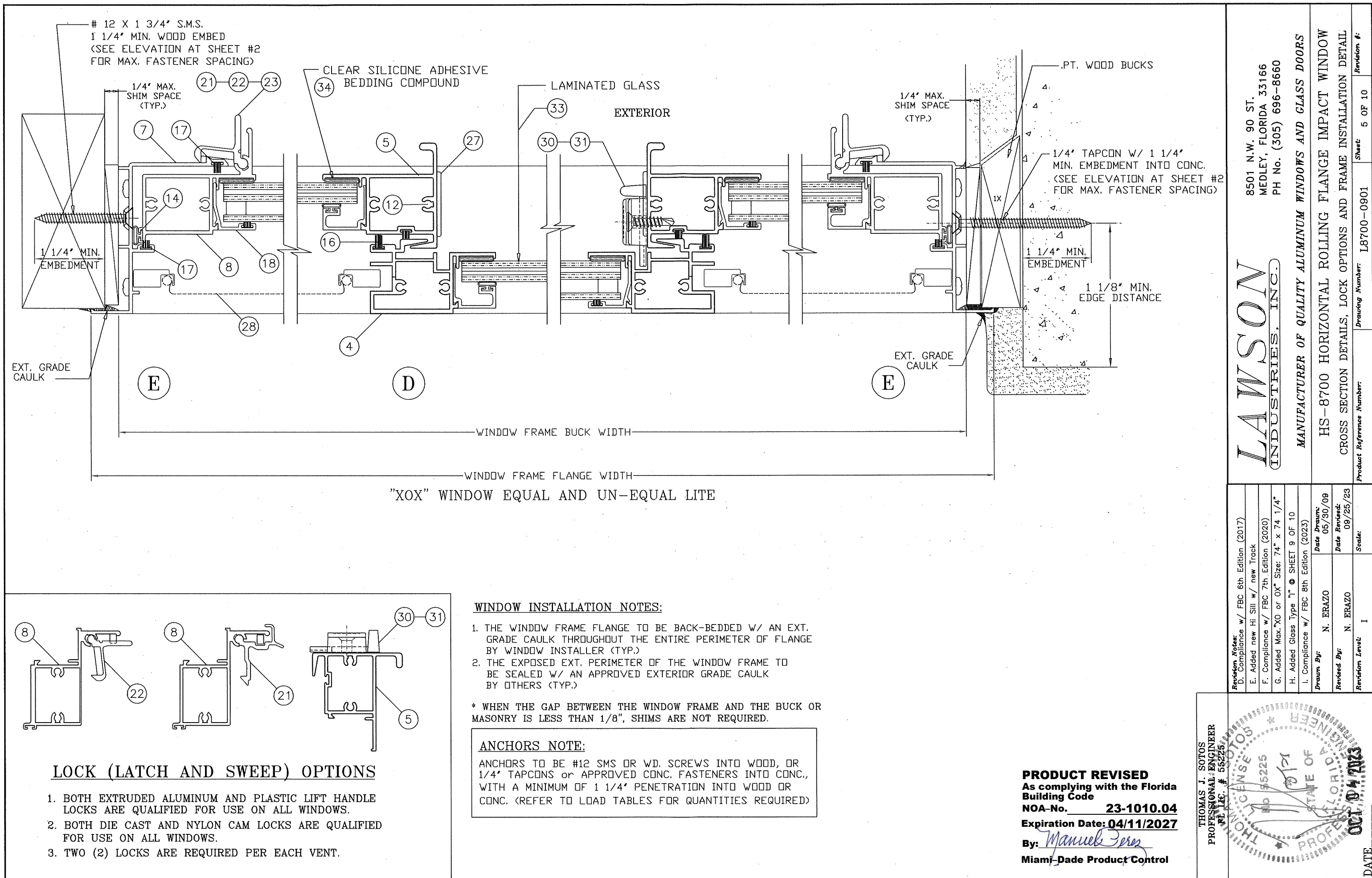
HS-8700 HORIZONTAL ROLLING FLANGE IMPACT WINDOW
CROSS SECTION DETAILS, LOCK OPTIONS AND FRAME INSTALLATION DETAIL

Revision Notes:	C. Compliance w/ FBC 5th Edition (2014) and ASTM E1300-09	Date Drawn:	N. ERAZO	Date Drawn:	05/30/09
	D. Compliance w/ FBC 6th Edition (2017)			Date Revised:	01/07/22
	E. Added new Hi Sill w/ new Track			Scale:	G
	F. Compliance w/ FBC 7th Edition (2020)				
	G. Added Max "XO" or "OX" Size: 74" x 74 1/4"				

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1010.04**
Expiration Date: **04/11/2027**
By: *Manuel Perez*
Miami-Dade Product Control



WINDOW		# Jamb Anchors	# H & S Anchors	DESIGN LOAD CAPACITY (PSF) - OX or XO WINDOWS															
				+ / - Pressures (psf)															
				Glass Type "A" (* 2)		Glass Type "B" (* 2)		Glass Type "C" (* 2)		Glass Type "D" (* 2)		Glass Type "E" (* 3)		Glass Type "F" (* 3)		Glass Type "H" (* 2)		Glass Type "I" (* 3 & 6)	
WIDTH	HEIGHT			+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf
24	24	3	3	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
36	24	3	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
48	24	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
60	24	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
72	24	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
24	36	3	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
36	36	3	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
48	36	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
60	36	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
72	36	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
24	48	4	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
36	48	4	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
48	48	4	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
60	48	4	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
72	48	4	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
24	60	5	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
36	60	5	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
48	60	5	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
60	60	5	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
72	60	5	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	-	-	-	-	60.0	60.0	80.0	92.0
24	72	5	4	-	-	-	-	60.0	60.0	60.0	60.0	60.0	60.0	-	-	60.0	60.0	80.0	92.0
36	72	5	4	-	-	-	-	60.0	60.0	60.0	60.0	60.0	60.0	-	-	60.0	60.0	80.0	92.0
48	72	5	6	-	-	-	-	60.0	60.0	60.0	60.0	60.0	60.0	-	-	60.0	60.0	80.0	92.0
60	72	5	6	-	-	-	-	60.0	60.0	60.0	60.0	60.0	60.0	-	-	60.0	60.0	80.0	92.0
72	72	5	6	-	-	-	-	60.0	60.0	60.0	60.0	60.0	60.0	-	-	60.0	60.0	80.0	92.0
26.5	26	3	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
37	26	3	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
53.125	26	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
74	26	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
26.5	38.375	4	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
37	38.375	4	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
53.125	38.375	4	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
74	38.375	4	8	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
26.5	50.625	5	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
37	50.625	5	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
53.125	50.625	5	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
74	50.625	5	8	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
26.5	58	5	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
37	58	5	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
53.125	58	5	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
74	58	5	8	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
26.5	63	6	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
37	63	6	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
53.125	63	6	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	80.0	92.0
74	63	6	6	65.0	65.0	65.0	65.0	65.0	70.0	-	-	-	-	-	-	60.0	60.0	80.0	92.0
26.5	74 1/4	6	4	-	-	-	-	60.0	60.0	60.0	60.0	60.0	60.0	-	-	60.0	60.0	80.0	92.0
37	74 1/4	6	4	-	-	-	-	60.0	60.0	60.0	60.0	60.0	60.0	-	-	60.0	60.0	80.0	92.0
53.125	74 1/4	6	6	-	-	-	-	60.0	60.0	60.0	60.0	60.0	60.0	-	-	60.0	60.0	80.0	92.0
74	74 1/4	6	6	-	-	-	-	60.0	60.0	60.0	60.0	60.0	60.0	-	-	60.0	60.0	80.0	92.0

LAWSON
INDUSTRIES, INC.

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

HS-8700 HORIZONTAL ROLLING FLANGE IMPACT WINDOW

DESIGN LOAD CHART WITH GLASS OPTIONS (XO or OX)

Revision Notes:
D. Compliance w/ FBC 6th Edition (2017)

E. Added new Hi Sill w/ new Track

F. Compliance w/ FBC 7th Edition (2020)

G. Added Max. "XO or OX" Size: 74" x 74 1/4"

H. Added Glass Type "I" @ SHEET 9 OF 10

I. Compliance w/ FBC 8th Edition (2023)

Drawn By: N. ERAZO Date Drawn: 05/30/09

Revised By: N. ERAZO Date Revised: 09/25/23

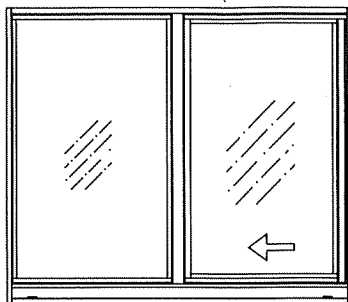
Revision Level: I Scale: 1"

Sheet: 6 OF 10

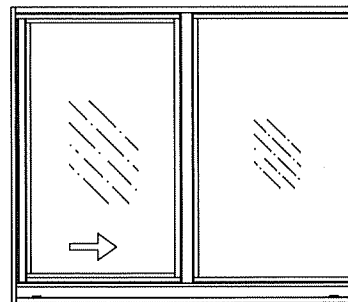
Drawing Number: L8700-0901

Product Reference Number:

- Notes (*):
- SEE SHEET 9 FOR GLAZING TYPES, DETAILS & SILICONE OPTIONS.
 - STANDARD SILL USED ON WINDOWS WITH +70.0 DP AND BELOW (WINDOWS WITH GLASS TYPES "A, B, C, D & H")
 - HI RISE SILL ARE FOR WINDOWS ABOVE +70.0 DP (WINDOWS WITH GLASS TYPES "E, & F") AND +80.0 DP MAX. SEE HI RISE SILL DETAIL "B1" AT SHEET 3 OF 10.
 - ADDITIONAL ANCHORS REQUIRED AT FRAME HEAD & SILL ON WINDOWS WITH DP ABOVE 70.0. (SEE ELEVATION AT SHEET 2 OF 10)
 - WINDOWS WITH GLASS TYPES "A, C, OR G" INSTALLED ABOVE 30FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED.
 - H.D. MEETING RAIL TO BE USED ON WINDOWS WITH +80.0 DP AND -92.0 DP AND WITH GLASS TYPE "I" - (SEE DETAIL "D1" AT SHEET 4 OF 10)



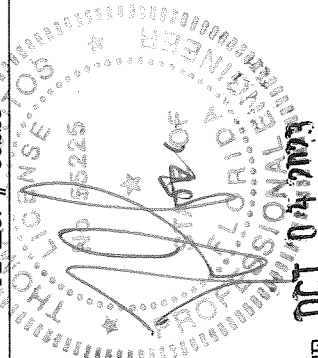
OX



XO

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1010.04**
Expiration Date: **04/11/2027**
By: *Manuel Perez*
Miami-Dade Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL. LIC. # 55225



DATE

				DESIGN LOAD CAPACITY (PSF) - XOX WINDOWS with Un-Equal Lite (1/4-1/2-1/4)											
				+ / - Pressures (psf)											
FRAME SIZE		# Jamb Anchors	# H & S Anchors	Glass Type "B" (* 2)		Glass Type "C" (* 2)		Glass Type "D" (* 2)		Glass Type "E" (* 3)		Glass Type "F" (* 3)		Glass Type "G" (* 2)	
WIDTH	HEIGHT			+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf
60	24	3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	24	3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	24	3	8	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
96	24	3	10	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
108	24	3	11	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
60	36	3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	36	3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	36	3	8	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
96	36	3	10	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
108	36	3	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
60	48	4	7	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	48	4	7	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	48	4	8	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
96	48	4	10	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
108	48	4	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
60	60	5	7	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	60	5	7	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	60	5	8	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
96	60	5	10	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
108	60	5	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	26	3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	38.375	3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	50.625	4	7	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	58	5	7	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	63	5	7	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	26	3	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	38.375	4	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	50.625	4	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	58	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	63	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
106.25	26	3	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
106.25	38.375	4	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
106.25	50.625	4	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
106.25	58	5	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
106.25	63	5	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
111	26	3	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
111	38.375	4	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
111	50.625	4	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
111	58	5	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
111	63	5	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0

LAWSON INDUSTRIES, INC.

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

HS-8700 HORIZONTAL ROLLING FLANGE IMPACT WINDOW
DESIGN LOAD CHART WITH GLASS OPTIONS (XOX EQUAL LITE)

Product Reference Number: L8700-0901

Sheet 7 OF 10

Revision #:

Revision Notes:
D. Compliance w/ FBC 6th Edition (2017)
E. Added new Hi Sill w/ new Track
F. Compliance w/ FBC 7th Edition (2020)
G. Added Max. XO or OX Size: 74" x 74 1/4"
H. Added Glass Type "I" • SHEET 9 OF 10
I. Compliance w/ FBC 8th Edition (2023)

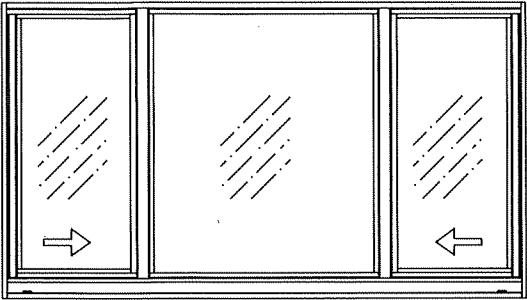
Drawn By: N. ERAZO
Date Drawn: 05/30/09

Revised By: N. ERAZO
Date Revised: 09/25/23

Revision Level: I

Scale:

- Notes (*):
- SEE SHEET 9 FOR GLAZING TYPES, DETAILS & SILICONE OPTIONS.
 - STANDARD SILL USED ON WINDOWS WITH +70.0 DP AND BELOW (WINDOWS WITH GLASS TYPES "A, B, C, & D")
 - HI RISE SILL ARE FOR WINDOWS ABOVE +70.0 DP (WINDOWS WITH GLASS TYPES "E, & F") AND +80.0 DP MAX. SEE HI RISE SILL DETAIL "B1" AT SHEET 3 OF 10.
 - ADDITIONAL ANCHORS REQUIRED AT FRAME HEAD & SILL ON WINDOWS WITH DP ABOVE 70.0. (SEE ELEVATION AT SHEET 2 OF 10)
 - WINDOWS WITH GLASS TYPES "A, C, OR G" INSTALLED ABOVE 30FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED.



XOX - Un-Equal Lite

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-1010.04**
Expiration Date: **04/11/2027**
By: *Manuel Perez*
Miami-Dade Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

DATE: OCT 04 2023

DESIGN LOAD CAPACITY (PSF) - XOX WINDOWS with Equal Lite (1/3-1/3-1/3)															
+ / - Pressures (psf)															
FRAME SIZE		# Jamb Anchors	# H & S Anchors	Glass Type "B" (* 2)		Glass Type "C" (* 2)		Glass Type "D" (* 2)		Glass Type "E" (* 3)		Glass Type "F" (* 3)		Glass Type "G" (* 2)	
WIDTH	HEIGHT			+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf
60	24	3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	24	3	9	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	24	3	9	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
60	36	3	7	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	36	3	9	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	36	3	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
60	48	4	7	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	48	4	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	48	4	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
60	60	5	7	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	60	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	60	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
53.125	26	3	6	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
53.125	38.375	4	6	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
53.125	50.625	4	6	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
53.125	58	5	6	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
53.125	63	5	6	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	26	3	9	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	38.375	4	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	50.625	4	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	58	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	63	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	26	3	9	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	38.375	4	9	70.0	75.0	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	50.625	4	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	58	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	63	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	26	3	9	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	38.375	4	9	70.0	75.0	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	50.625	4	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	58	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	63	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON
INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

HS-8700 HORIZONTAL ROLLING FLANGE IMPACT WINDOW
DESIGN LOAD CHART WITH GLASS OPTIONS (XOX UN-EQUAL LITE)

Product Reference Number: 18700-0901

Sheet 8 OF 10

Revision #:

Revision Notes:
D. Compliance w/ FBC 6th Edition (2017)
E. Added new Hi Sill w/ new Track
F. Compliance w/ FBC 7th Edition (2020)
G. Added Max. "XO or OX" Size: 74" x 74 1/4"
H. Added Glass Type "I" @ SHEET 9 OF 10
I. Compliance w/ FBC 8th Edition (2023)

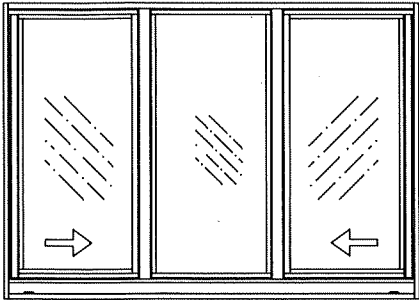
Drawn By: N. ERAZO
Date Drawn: 05/30/09

Revised By: N. ERAZO
Date Revised: 09/25/23

Revision Level: I

Scale:

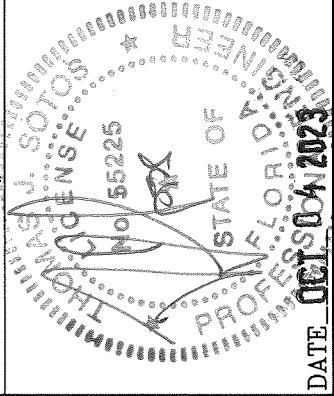
- Notes (*):
- SEE SHEET 9 FOR GLAZING TYPES, DETAILS & SILICONE OPTIONS.
 - STANDARD SILL USED ON WINDOWS WITH +70.0 DP AND BELOW (WINDOWS WITH GLASS TYPES "A, B, C, & D")
 - HI RISE SILL ARE FOR WINDOWS ABOVE +70.0 DP (WINDOWS WITH GLASS TYPES "E, & F") AND +80.0 DP MAX. SEE HI RISE SILL DETAIL "B1" AT SHEET 3 OF 10.
 - ADDITIONAL ANCHORS REQUIRED AT FRAME HEAD & SILL ON WINDOWS WITH DP ABOVE 70.0. (SEE ELEVATION AT SHEET 2 OF 10)
 - WINDOWS WITH GLASS TYPES "A, C, OR G" INSTALLED ABOVE 30FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED.



XOX -Equal Lite

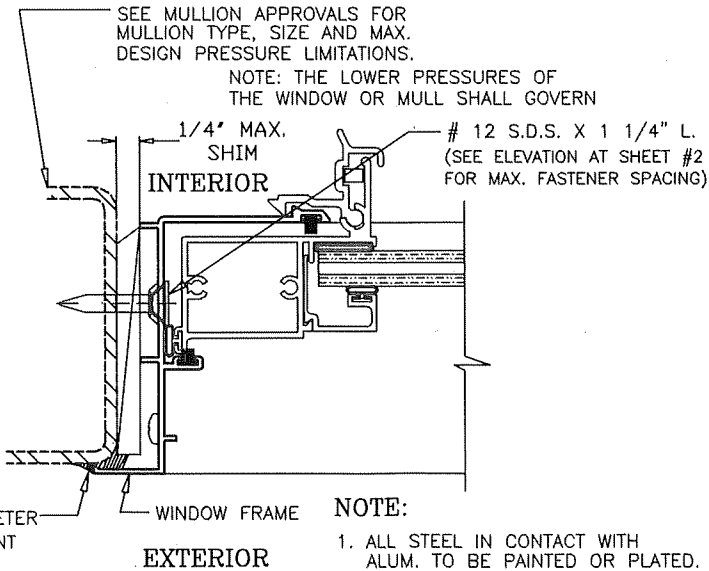
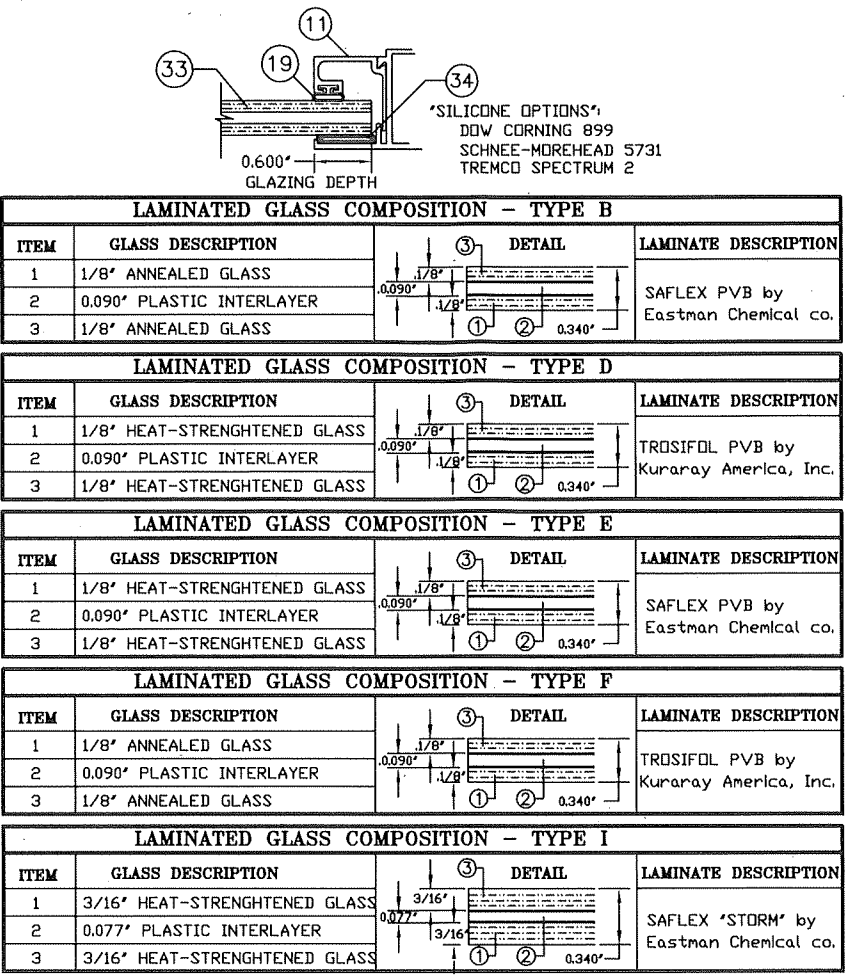
PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-1010.04**
Expiration Date: **04/11/2027**
By: *Manuel Perez*
Miami-Dade Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



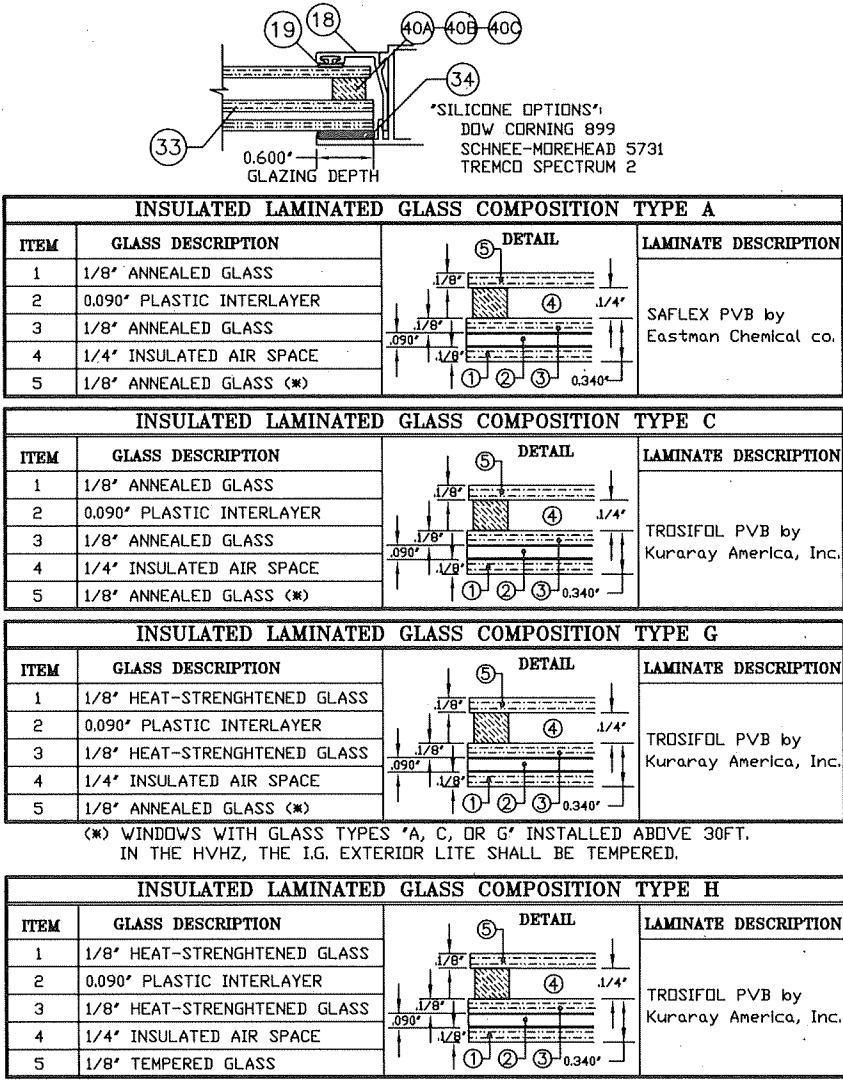
HS-8700 FLANGE FRAME WINDOW BILL OF MATERIALS				
ITEM #	PART #	REQD.	DESCRIPTION	REMARKS
1	L-7703	1	FRAME HEAD	6063-T6 ALUMINUM
2	L-8701	1	FRAME SILL	6063-T6 ALUMINUM
3	L-7701	1	FRAME FXD. JAMB	6063-T6 ALUMINUM
4	L-7704	1	FRAME FIXED MEETING RAIL	6063-T6 ALUMINUM
5	L-7705	1	VENT MEETING RAIL	6063-T6 ALUMINUM
6	L-7707	1	VENT TOP/BOTTOM RAIL	6063-T6 ALUMINUM
7	L-8703	1	FRAME VENT JAMB	6063-T6 ALUMINUM
8	L-7706	1	VENT JAMB LATCH RAIL	6063-T6 ALUMINUM
9	L-8702	1	FRAME SILL TRACK	6063-T5 ALUMINUM
10	L-8705	1	FRAME SILL RETAINING CLIP	6063-T5 ALUMINUM
11	L-7708	AS REQ'D.	GLAZING BEAD (3/8")	6063-T5 ALUMINUM
12	FS-006	AS REQ'D.	FRAME ASSEMBLY SCREWS	#8 X 3/4" P.H. PHILLIPS
13	FS-040	AS REQ'D.	INSTALLATION SCREWS	#14 SMS F.H./PHIL.
14	L-7531	AS REQ'D.	VINYL BULB	1/4" DIA. BULB #3033
15	PWS-003	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187" w x .230" h
16	PWS-005	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187" w x .350" h
17	PWS-009	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187" w x .310" h
18	L-7711	AS REQ'D.	GLAZING BEAD (INSULATED)	6063-T5 ALUMINUM
19	PWS-001	AS REQ'D.	PILE @ GLAZING BEAD	.187" w x .150" h
20	*	*	*	*
21	L-7539	2	VENT EXTRUDED SPRING LATCH	6063-T5 ALUMINUM
22	HC-057-1	2	VENT MOLDED SPRING LATCH	MOLDED NYLON
23	L-7523	1 x LATCH	LATCH SPRING	STAINLESS STEEL
24	*	2	SILL/JAMB JOINT GASKET	1/16" CLOSED CELL FOAM
25	FS-041	2	SILL RAIL ASSEMBLY SCREW	#8 X 2 1/4" P.H./PHIL.
26.1	HC-044-1	2	WEEP FLAP & BAFFLE	*
26.2	HC-	1 X WEEP	OPEN CELL FOAM PAD	1/2" X 1/2" X 2" L.
27	HC-040-1	2	SASH ROLLER & HOUSING	*
28	HC-026-1	1	SCREEN FRAME & MESH	*
29	*	1	ATTACHMENT SCREW @ CLIP	#8 X 5/8" S.D.S.
30	HC-058-1	2	VENT SWEEP LATCH	MOLDED NYLON
31	HC-059-1	2	VENT SWEEP LATCH	DIE CAST METAL
32	L-8830	1 X Anchor	FRAME SILL ANCHOR CLIP	6063-T5 ALUMINUM
33	*	2	LAMINATED GLASS	See Details @ L.H. of sheet 9
40 a	'TrueSeal'	AS REQ'D.	Insulated Glass Swiggle Seal	1/4" air space
40 b	'Quanex'	AS REQ'D.	Insulated Glass SuperSpacer	1/4" air space
40 c	'Quanex'	AS REQ'D.	Insulated Glass Duraseal	1/4" air space
34	*	AS REQ'D.	GLAZING SILICONE	See Details @ L.H. of sheet 9
35	L-8301	1	FRAME SILL	6063-T6 ALUMINUM
36	L-8302	1	FRAME SILL RETAINING CLIP	6063-T5 ALUMINUM
37	OPTIONAL	AS REQ'D.	COLONIAL FALSE MUNTIN	ALUMINUM
38	SM-5504	AS REQ'D.	JOINT SEALANT	*
39	*	AS REQ'D.	EXT. GRADE PERIMETER CAULK	OSI POLYSEAMSEAL

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1010.04**
Expiration Date: **04/11/2027**
By: *Manuel Perez*
Miami-Dade Product Control

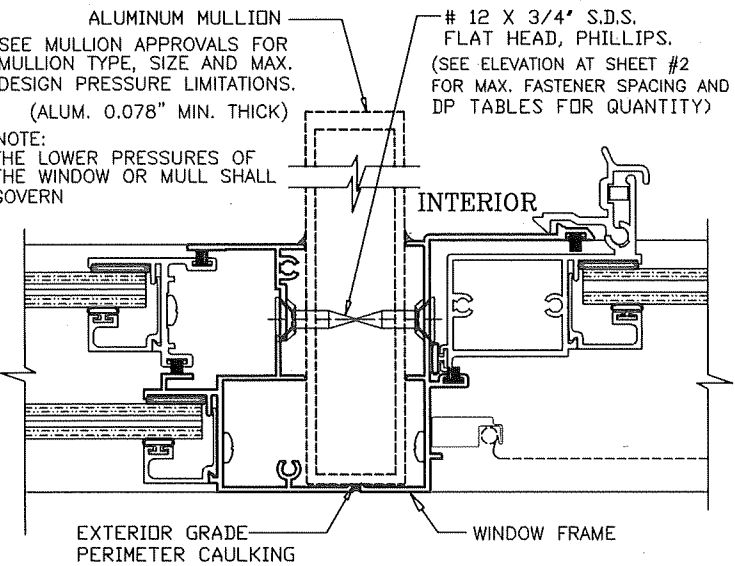


E1 METAL STRUCTURE ATTACHMENT DETAIL

- NOTE:
- ALL STEEL IN CONTACT WITH ALUM. TO BE PAINTED OR PLATED.
 - METAL STRUCTURES:
 - STEEL : Fy = 36 KSI MIN.
(STEEL 18 GA. MIN. THICK - 0.048")
 - ALUMINUM : 6063-T5 MIN.
(ALUM. 0.078" MIN. THICK)



- 40 Insulated Spacer Types & Options**
- 40 a) "TrueSeal" Swiggle Seal
40 b) "Quanex" SuperSpacer w/ Isomelt M
40 c) "Quanex" Duraseal



E2 FRAME MULLING DETAIL

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES-8700 HORIZONTAL ROLLING FLANGE IMPACT WINDOW

GLAZING DETAILS, MULLION DETAILS & BILL OF MATERIALS

Product Reference Number: L8700-0901

Sheet: 9 OF 10

Revision #:

Revision Notes:
D. Compliance w/ FBC 6th Edition (2017)
E. Added new Hi Sill w/ new Track
F. Compliance w/ FBC 7th Edition (2020)
G. Added Max. XO or OX Size: 74" x 74 1/4"
H. Added Glass Type "I" @ SHEET 9 OF 10
I. Compliance w/ FBC 8th Edition (2023)

Drawn By: N. ERAZO
Date Drawn: 05/30/09

Revised By: N. ERAZO
Date Revised: 09/25/23

Scale: I

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL. LIC. # 35225

DATE: OCT 04 2023

FRAME HEAD
L-7703

1

FRAME VENT JAMB
L-8703

7

FRAME SILL
L-8701

2

FRAME HR SILL
L-8301

35

VENT INTERLOCK RAIL
L-7705

5

FRAME FIXED JAMB
L-7701

3

VENT JAMB RAIL
L-7706

8

FIXED MEETING RAIL
L-7704

4

H.D. FIXED MEETING RAIL
L-8302

20

NOTE:
SEE DETAIL "D1" AT SHEET 4 OF 10

SILL TRACK
L-8702

9

SILL RETAINING CLIP
L-8705

10

SILL RETAINING CLIP
L-8302

36

GLAZING BEAD
L-4205

37

VENT SPRING LATCH
L-7539

21

VENT TOP/BOTTOM RAIL
L-7707

6

SILL ANCHOR CLIP
L-8830

32

GLAZING BEAD
L-7708

11

GLAZING BEAD
L-7711

18

FRAME JAMB

12

FRAME TOP CORNER

1

FRAME HEAD

12

FRAME JAMB

12

FRAME BOTTOM CORNER

2

FRAME SILL

12

FRAME MEETING RAIL

12

FRAME SILL / MEETING RAIL

5

FRAME SILL

12

VENT TOP RAIL

12

VENT TOP CORNER

3

VENT JAMB RAIL

12

VENT LOCK RAIL

12

VENT BOTTOM RAIL

4

VENT BOTTOM CORNER

12

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 23-1010.04
Expiration Date: 04/11/2027
By: Manuel Perez
Miami-Dade Product Control

FRAME & SASH CORNER ASSEMBLY DETAILS

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON
INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

HS-8700 HORIZONTAL ROLLING FLANGE IMPACT WINDOW
EXTRUSION DETAILS & CORNER ASSEMBLY DETAILS

Product Reference Number: L8700-0901

Sheet: 10 OF 10

Revision #:

Revision Notes:
D. Compliance w/ FBC 6th Edition (2017)
E. Added new Hi Sill w/ new Track
F. Compliance w/ FBC 7th Edition (2020)
G. Added Max. "XO or OX" Size: 74" x 74 1/4"
H. Added Glass Type "I" • SHEET 9 OF 10
I. Compliance w/ FBC 8th Edition (2023)

Drawn By: N. ERAZO
Date Drawn: 06/30/09

Revised By: N. ERAZO
Date Revised: 09/25/23

Revision Level: I

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

DATE: OCT 04 2024



**MIAMI-DADE COUNTY, FLORIDA
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

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

NOTICE OF ACCEPTANCE (NOA)

**Lawson Industries, Inc.
8501 NW 90th Street
Medley, FL 33166**

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 "SGD-9200" Aluminum Sliding Glass Door (Steel Reinforced) – L.M.I.

APPROVAL DOCUMENT: Drawing No. **L9200-1201**, titled "Series SGD-9200 Aluminum Sliding Glass Door (L.M.I.)", sheets 1 through 14 of 14, dated 09/25/12, with revision E dated 10/06/23, prepared by manufacturer, signed and sealed by Thomas J. Sotos, 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.

LIMITATIONS:

1. See Design Pressure (DP) VS door size, glass type, reinforcements, sill type and configuration in sheet **2**, sheet **5**, and sheet **8**.
2. See pocket installation detail in sheet **11** and notes #15 and #16 in sheet **1**.
3. Applicable Egress requirements to be reviewed by AHJ.

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", 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.



10/31/23

NOA No. 23-1012.04

Expiration Date: February 13, 2028

Approval Date: November 09, 2023

Page 1



MIAMI-DADE COUNTY, FLORIDA
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

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

NOTICE OF ACCEPTANCE (NOA)

Lawson Industries, Inc.
8501 NW 90th Street
Medley, FL 33166

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 No. 23-0119.03** and consists of these pages 1 and 2, 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.**




10/31/23

NOA No. 23-1012.04
Expiration Date: February 13, 2028
Approval Date: November 09, 2023
Page 2

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

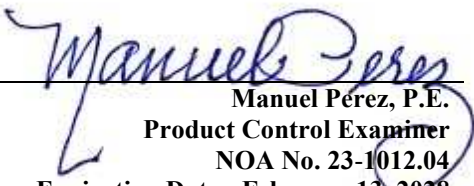
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 12-1204.12)
2. Drawing No. **L9200-1201**, titled "Series SGD-9200 Aluminum Sliding Glass Door (L.M.I.)", sheets 1 through 14 of 14, dated 09/25/12, with revision **D** dated 12/03/20, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 23-0119.03)

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94 along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-11-3269** dated 05/16/11, **HETI-11-3292** dated 10/20/11, **HETI-11-3274** dated 10/20/11, **HETI-11-3329** dated 01/16/12, **HETI-12-4040** dated 10/12/12, **HETI-12-4051** dated 06/13/12, **HETI-12-4053** and **HETI-12-4064**, dated 09/24/12, all signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 12-1204.12)
2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-11-3270** dated 05/16/11, **HETI-11-3275** dated 10/20/11, **HETI-11-3307** dated 10/03/11, **HETI-11-3314** dated 10/20/11, **HETI-11-3330** dated 01/16/12, **HETI-12-4052** dated 07/10/12, **HETI-12-4054** and **HETI-12-4065**, dated 09/24/12, all signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 12-1204.12)
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 an aluminum sliding glass door, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-12-4041** dated 10/12/12, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 12-1204.12)


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1012.04
Expiration Date: February 13, 2028
Approval Date: November 09, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-11-3291** dated 07/15/11 and **HETI-11-3292** dated 10/20/11, both signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 12-1204.12)
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, Type "C" sliding door, Grade 10, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-11-3313**, dated 10/20/11, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 12-1204.12)
6. 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, Type "C" sliding door, Grade 10, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-3078** dated 01/10/02, signed and sealed by Luis Figueredo, P.E.; **FTL-3525** and **FTL-3572**, dated 09/09/02, both signed and sealed by Joseph C. Chan, P.E.; **FTL-3424** dated 04/18/02, **FTL-3425** dated 04/29/02, **FTL-3426** dated 04/26/02, **FTL-3492** dated 06/20/02, **FTL-3493**, dated 06/24/02 and **FTL-3516** dated 07/12/02, all signed and sealed by James G. Worth, P.E.
(Submitted under NOA No. 02-1126.04)


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1012.04
Expiration Date: February 13, 2028
Approval Date: November 09, 2023

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**, dated 04/28/15, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 14-0908.02)
2. Glazing complies with **ASTM E 1300-04/09**.

D. QUALITY ASSURANCE

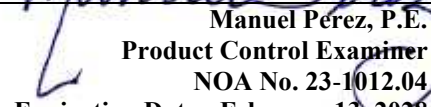
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/28/17, expiring on 07/04/23.
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. **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 to and complying with **FBC 7th Edition (2020)**, dated January 13, 2023, issued by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 23-0119.03)
2. Statement letter of no financial interest dated January 13, 2023, issued by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 23-0119.03)
3. Laboratory compliance letters for Test Reports No. **HETI-11-3269** dated 05/16/11, **HETI-11-3270** dated 05/16/11, **HETI-11-3271** dated 10/20/11, **HETI-11-3272** dated 10/20/11, **HETI-11-3274** dated 10/20/11, **HETI-11-3275** dated 10/20/11, **HETI-11-3291** dated 07/15/11, **HETI-11-3292** dated 10/20/11, **HETI-11-3307** dated 10/03/11, **HETI-11-3313** dated 10/20/11, **HETI-11-3314** dated 10/20/11, **HETI-11-3329** dated 01/16/12, **HETI-11-3330** dated 01/16/12, **HETI-12-4040** dated 10/12/12, **HETI-12-4041** dated 10/12/12, **HETI-12-4051** dated 06/13/12, **HETI-12-4052** dated 07/10/12, **HETI-12-4053** dated 09/24/12, **HETI-12-4054** dated 09/24/12, **HETI-12-4064** dated 09/24/12, and **HETI-12-4065** dated 09/24/12, issued by Hurricane Engineering & Testing, Inc., all signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 14-0908.02)


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1012.04
Expiration Date: February 13, 2028
Approval Date: November 09, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


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

F. STATEMENTS (CONTINUED)

4. Laboratory addendum letter for Test Reports No. **HETI-11-3269, HETI-11-3270, HETI-11-3271, HETI-11-3272, HETI-11-3274, HETI-11-3275, HETI-11-3291, HETI-11-3292, HETI-11-3307, HETI-11-3313, HETI-11-3314, HETI-11-3329, HETI-11-3330, HETI-12-4040, HETI-12-4041, HETI-12-4051, HETI-12-4052, HETI-12-4053, HETI-12-4054, HETI-12-4064 and HETI-12-4065**, dated 01/15/13, issued by Hurricane Engineering & Testing, Inc., signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 12-1204.12)
5. Proposal issued by Product Control, dated 03/30/12, signed by Jaime D. Gascon, P.E.
(Submitted under NOA No. 12-1204.12)
6. Proposal issued by Product Control, dated 03/13/08, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 11-0518.03)
7. Laboratory compliance letters issued by Fenestration Testing Laboratory, Inc., for Test Report No. **FTL-3078** dated 01/10/02, signed and sealed by Luis Figueredo, P.E.
(Submitted under NOA No. 02-1126.04)
8. Laboratory compliance letters issued by Fenestration Testing Laboratory, Inc., for Test Reports No. **FTL-3525** and **FTL-3572** dated 09/09/02, both signed and sealed by Joseph C. Chan, P.E.
(Submitted under NOA No. 02-1126.04)
9. Laboratory compliance letters issued by Fenestration Testing Laboratory, Inc., for Test Reports No. **FTL-3424** dated 04/18/02, **FTL-3425** dated 04/29/02, **FTL-3426** dated 04/26/02, **FTL-3492** dated 06/20/02, **FTL-3493** dated 06/24/02 and **FTL-3516** dated 07/12/02, all signed and sealed by James G. Worth, P.E.
(Submitted under NOA No. 02-1126.04)

G. OTHERS

1. Notice of Acceptance No. **20-0901.06**, issued to Lawson Industries, Inc. for their Series **"SGD-9200 Aluminum Sliding Glass Door (Steel reinforced) – L.M.I."**, approved on 12/03/20 and expiring on 02/13/18.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1012.04
Expiration Date: February 13, 2028
Approval Date: November 09, 2023

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **L9200-1201**, titled “SGD-9200 Aluminum Sliding Glass Door (L.M.I.)”, sheets 1 through 14 of 14, dated 09/25/12, with revision **E** dated 10/06/23, prepared by manufacturer, signed and sealed by Thomas J. Sotos, 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

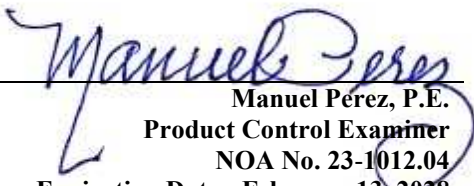
1. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 12/15/22, expiring on 07/04/28.
2. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 11/19/20, expiring on 07/08/24.
3. 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

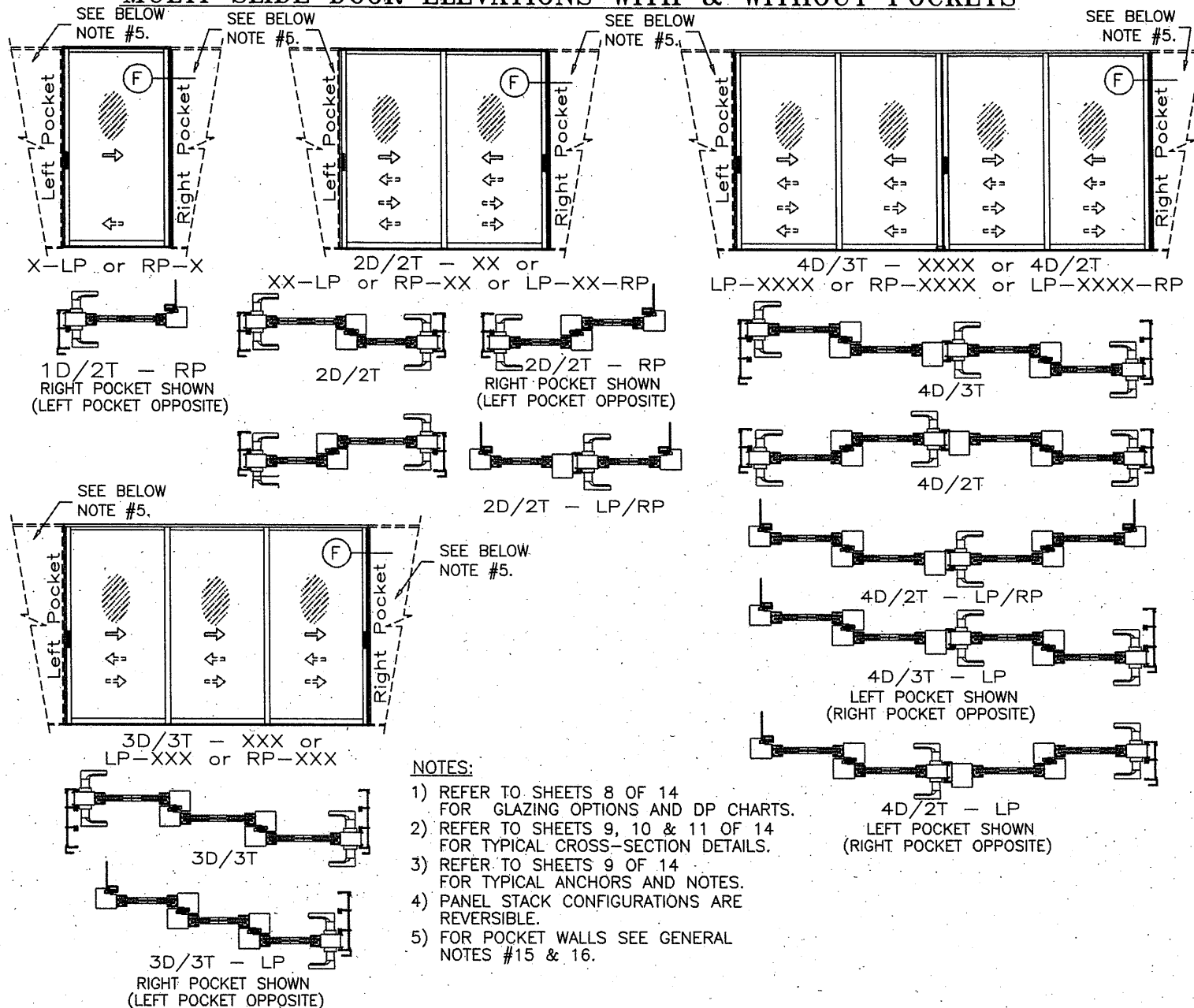
1. Statement letter of conformance, complying with **FBC 8th Edition (2023)** dated October 10, 2023, issued by manufacturer, signed and sealed by Thomas J. Sotos P.E.
2. Statement letter of no financial interest dated October 10, 2023, issued by manufacturer, signed and sealed by Thomas J. Sotos, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0119.03**, issued to Lawson Industries, Inc. for their Series “SGD-9200” Aluminum Sliding Glass Door (Steel reinforced) – L.M.I.”, approved on 02/09/23 and expiring on 02/13/28.

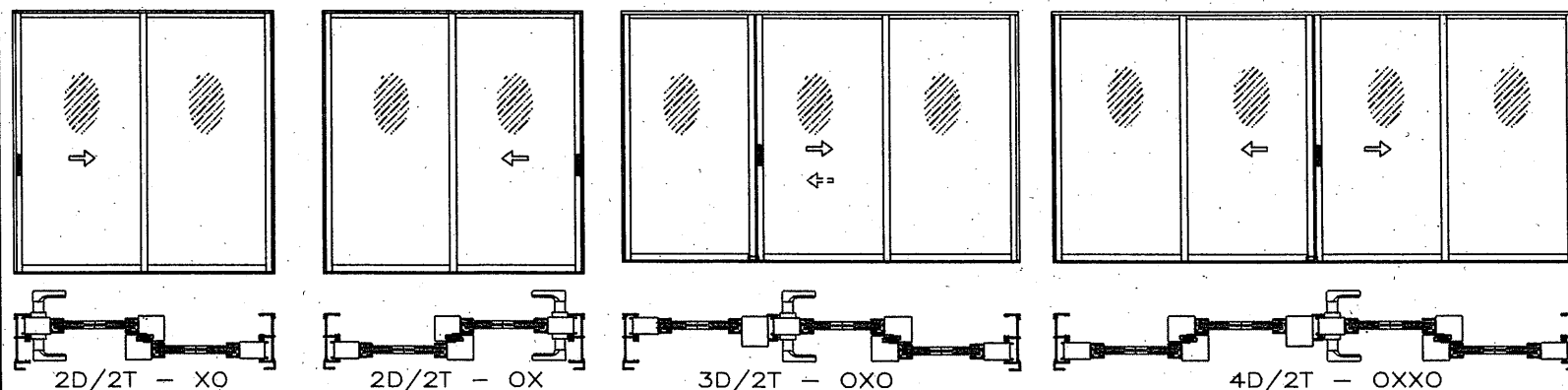

Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1012.04
Expiration Date: February 13, 2028
Approval Date: November 09, 2023

MULTI-SLIDE DOOR ELEVATIONS WITH & WITHOUT POCKETS



NOTES:

- 1) REFER TO SHEETS 8 OF 14 FOR GLAZING OPTIONS AND DP CHARTS.
- 2) REFER TO SHEETS 9, 10 & 11 OF 14 FOR TYPICAL CROSS-SECTION DETAILS.
- 3) REFER TO SHEETS 9 OF 14 FOR TYPICAL ANCHORS AND NOTES.
- 4) PANEL STACK CONFIGURATIONS ARE REVERSIBLE.
- 5) FOR POCKET WALLS SEE GENERAL NOTES #15 & 16.



2 DOOR

NOTES:

- 1) REFER TO SHEETS 2 OF 14 FOR GLAZING OPTIONS AND DP CHARTS.
- 2) REFER TO SHEETS 3 & 4 OF 14 FOR TYPICAL CROSS-SECTION DETAILS.
- 3) REFER TO SHEETS 3 OF 14 FOR TYPICAL ANCHORS AND NOTES.

3 & 4 DOOR

NOTES:

- 1) REFER TO SHEETS 5 OF 14 FOR GLAZING OPTIONS AND DP CHARTS.
- 2) REFER TO SHEETS 6 & 7 OF 14 FOR TYPICAL CROSS-SECTION DETAILS.
- 3) REFER TO SHEETS 6 OF 14 FOR TYPICAL ANCHORS AND NOTES.

SERIES: SGD-9200 IMPACT SLIDING GLASS DOOR

General Notes:

- 1.) THIS DOOR SYSTEM IS DESIGNED AND TESTED TO COMPLY W/ THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (2020-7th Edition & 2023-8th Edition) INCLUDING THE HIGH VELOCITY HURRICANE ZONE VELOCITY (HVHZ) AND ASTM 1300-09. THIS PRODUCT IS IMPACT RESISTANT. (SHUTTERS NOT REQUIRED)
- 2.) WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE & TO BE REVIEWED BY BUILDING OFFICIAL.
- 3.) ANCHORS SHOWN ABOVE ARE AS PER TEST UNITS. ANCHORS ON ALL DOOR SIZES ARE NOT TO EXCEED THESE MAXIMUM SPACINGS ON CENTER (O.C.) AND AS TABULATED ON SHEETS 2, 5, & 8 OF 14.
- 4.) ANCHOR CONDITIONS NOT DESCRIBED IN THESE DRAWING'S ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS, UNDER A SEPARATE APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.
- 5.) A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- 6.) DOORS ARE QUALIFIED FOR USE WITH SINGLE GLAZE H.S. LAMINATED GLASS TYPES TABULATED HEREIN (SEE SHEETS # 2, 5, & 8).
- 7.) FOR OPTIONAL FRAME INSTALLATION DETAILS SEE SHEETS 3, 4, 6, 7, 9, 10, & 11 OF 14.
- 8.) EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND TO BE APPLIED W/ SILICONE.
- 9.) WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED AND ANCHORED (BY OTHERS), PRIOR TO DOOR INSTALLATION. WOOD BUCKS TO BE ANCHORED IN COMPLIANCE WITH THE FLORIDA BUILDING CODE CHAPTER 24.
- 10.) APPROVAL APPLIES TO TWO TRACK AND THREE TRACK DOORS WITH FIXED PANELS, ALL MOVING PANELS, INCLUDING WITH OR WITHOUT (LH-RH) POCKETS.
- 11.) MULLING DOORS WITH OTHER TYPES OF MIAMI-DADE COUNTY APPROVED PRODUCTS USING A MIAMI-DADE COUNTY APPROVED MULLION IN BETWEEN ARE ACCEPTABLE BUT THE LOWER DESIGN PRESSURE FROM THE DOORS OR MULLION APPROVAL WILL APPLY TO THE ENTIRE MULLED SYSTEM.
- 12.) FOR METAL ATTACHMENT DETAILS & NOTES SEE SHEETS # 3, 4, 6, 7, 9, 10, & 11 OF 14.
- 13.) ALL METAL/STEEL IN CONTACT WITH ALUMINUM OR OTHER DISSIMILAR MATERIALS TO BE PAINTED OR PLATED AND SHALL MEET THE FLORIDA BUILDING CODE.
- 14.) POCKET DOOR CONFIGURATIONS ARE AS SHOWN ON SHEET 8 OF 14, REFER TO SHEET 11 OF 14 FOR ADDITIONAL DETAILS.
- 15.) POCKET WALLS ARE NOT PART OF THIS APPROVAL.
- 16.) POCKET WALLS SHALL BE UNDER SEPARATE APPROVAL AND TO BE REVIEWED BY THE ENGINEER OF RECORD (EOR).

LAMINATED GLASS LARGE MISSILE IMPACT

DOORS GLAZED WITH LAMINATED GLASS RATED FOR LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

LAWSON
INDUSTRIES, INC.

Revision Notes:	NOA 12-0127.24 & 12-0127.06
A. Revised	to include Multi-Slide door panels w/ or w/o pockets and to comply w/ 2010 FBC
B. Revised	to comply w/ 2014 FBC
C. Revised	to comply w/ 2017 FBC
D. Revised	to comply w/ 2020 FBC
E. Revised	to comply w/ 2023 FBC
Drawn By:	N. ERAZO
Date Drawn:	09/25/12
Revised By:	N. ERAZO
Date Revised:	10/06/23
Revision Level:	E

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH. No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

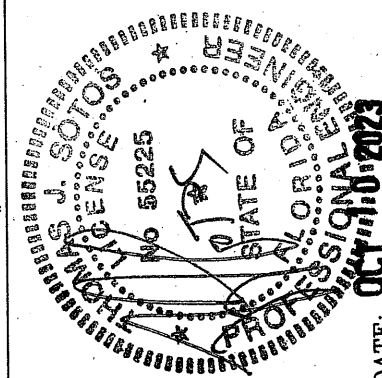
APPROVED ELEVATIONS, CONFIGURATIONS AND GENERAL NOTES

Product Reference Number: 19200-1201

Sheet: 1 OF 14

Revision #:

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



PRODUCT REVISED

As complying with the Florida Building Code

NOA-No. 23-1012.04

Expiration Date: 02/13/2028

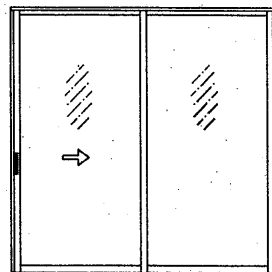
By: *Manuel Fern*

Miami-Dade Product Control

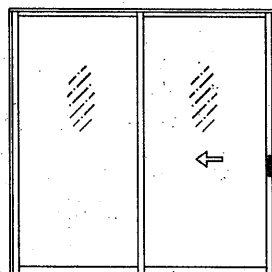
DATE:

DESIGN LOAD CAPACITY - PSF (STD. 2 1/4" SILL)									
NOMINAL WIDTH FT./IN.	DOOR SIZES HEIGHT FT./IN.	GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
5/0 (NO STEEL)	6/8	56.7	95.0	56.7	65.0	56.7	85.0	56.7	75.0
6/0 (NO STEEL)	6/8	56.7	95.0	56.7	65.0	56.7	85.0	56.7	75.0
8/0 (WITH STEEL)	6/8	56.7	85.0	56.7	70.0	56.7	78.8	56.7	68.8
8/0 (WITH STEEL)	8/0	56.7	65.0	56.7	65.0	X	X	X	X

DESIGN LOAD CAPACITY - PSF (WITH 3" SILL RISER)									
NOMINAL WIDTH FT./IN.	DOOR SIZES HEIGHT FT./IN.	GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
5/0 (NO STEEL)	6/8	76.7	95.0	65.0	65.0	76.7	85.0	75.0	75.0
6/0 (NO STEEL)	6/8	76.7	95.0	65.0	65.0	76.7	85.0	75.0	75.0
8/0 (WITH STEEL)	6/8	76.7	85.0	70.0	70.0	76.7	78.8	68.8	68.8
8/0 (WITH STEEL)	8/0	65.0	65.0	65.0	65.0	X	X	X	X



XO



OX

APPROVED CONFIGURATIONS

(FOR PANEL STACK CONFIGURATIONS SEE SHEET 1.)

NOTES:

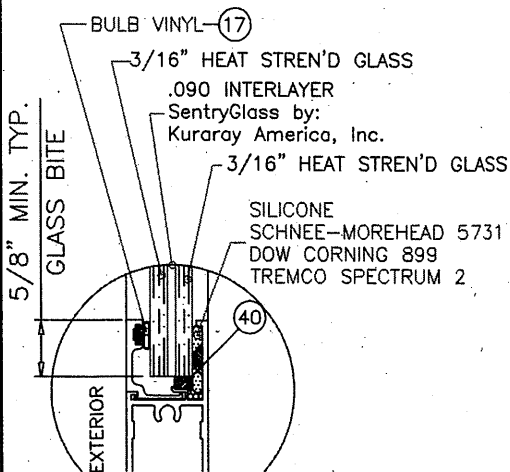
- 1) REFER TO SHEETS 3 & 4 OF 14 FOR TYPICAL CROSS-SECTION DETAILS.
- 2) REFER TO SHEETS 3 OF 14 FOR TYPICAL ANCHORS AND NOTES.

MAX. D.L.O.:

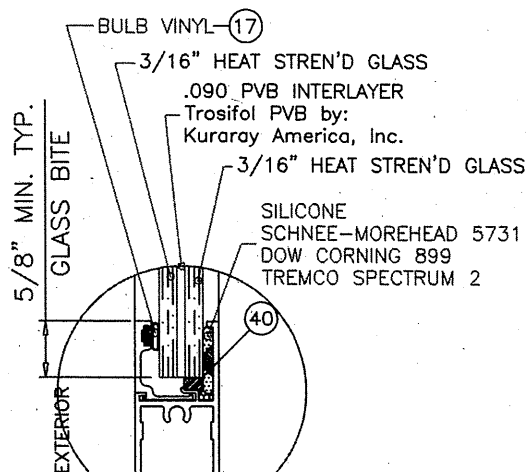
6/0 X 6/8 = 32-3/4" X 74-3/4"

8/0 X 6/8 = 44-3/4" X 74-3/4"

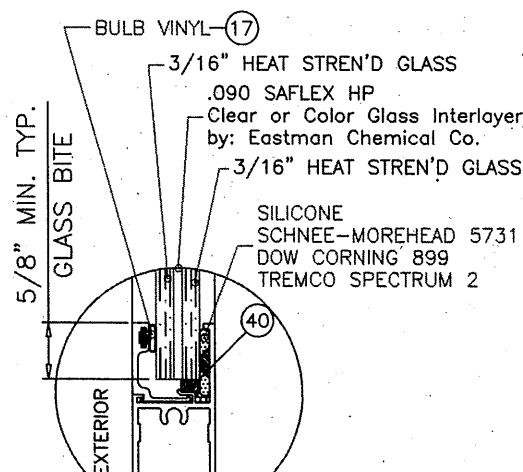
8/0 X 8/0 = 44-3/4" X 90-3/4"



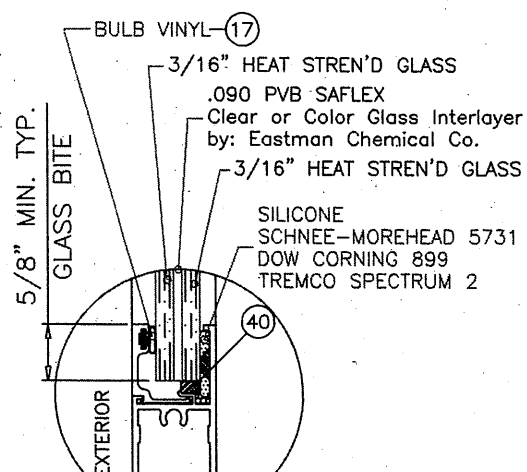
GLASS TYPE 'A'



GLASS TYPE 'B'

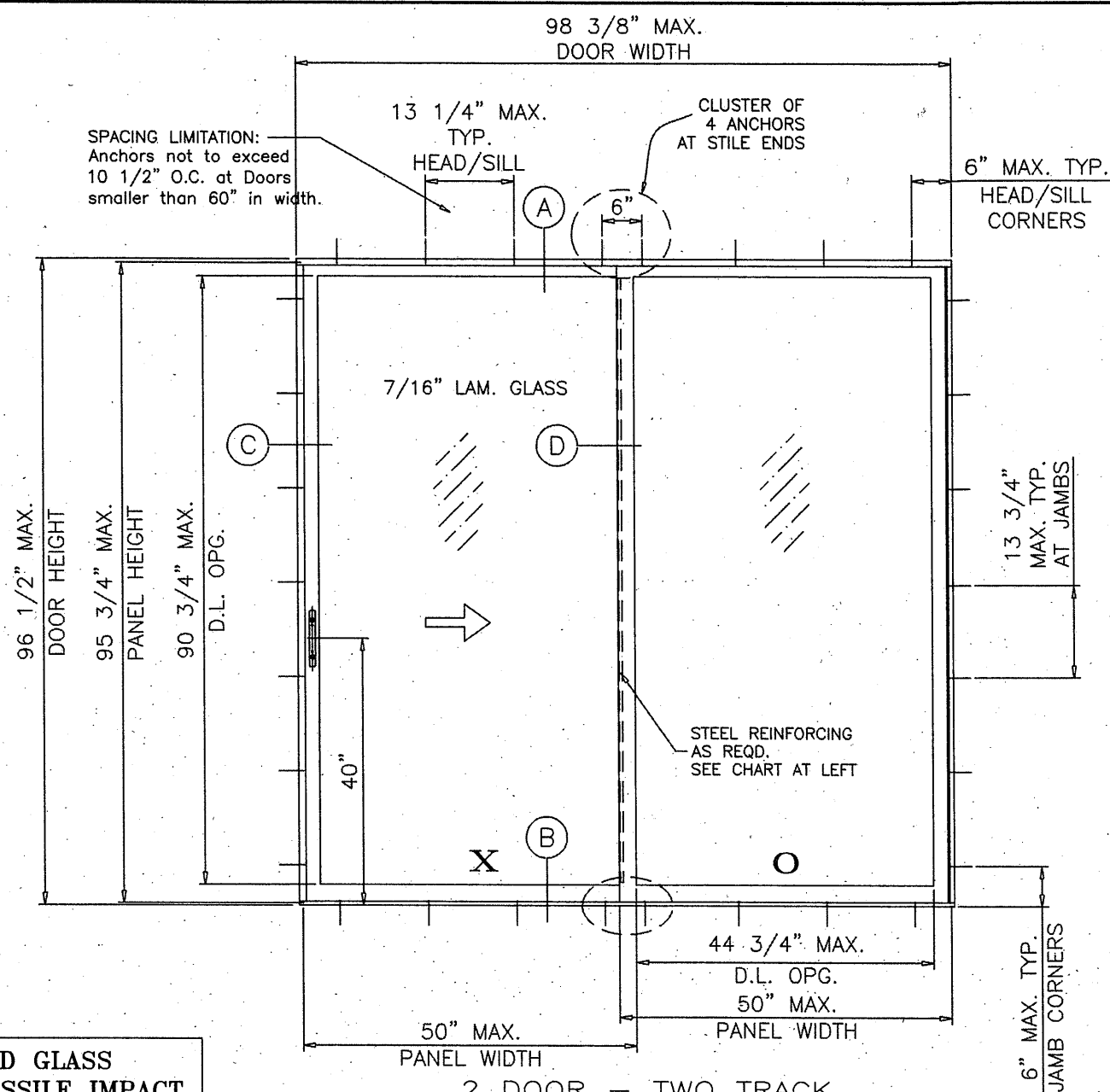


GLASS TYPE 'C'



GLASS TYPE 'D'

GLAZING DETAILS



2 DOOR - TWO TRACK
"XO" TYPICAL ELEVATION
TESTED UNIT

LAMINATED GLASS LARGE MISSILE IMPACT

DOORS GLAZED WITH LAMINATED GLASS RATED FOR
LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON

INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

APPROVED ELEVATIONS, GENERAL NOTES, GLAZING DETAILS & DP LOAD CHARTS

Product Reference Number: L9200-1201

Sheet: 2 OF 14

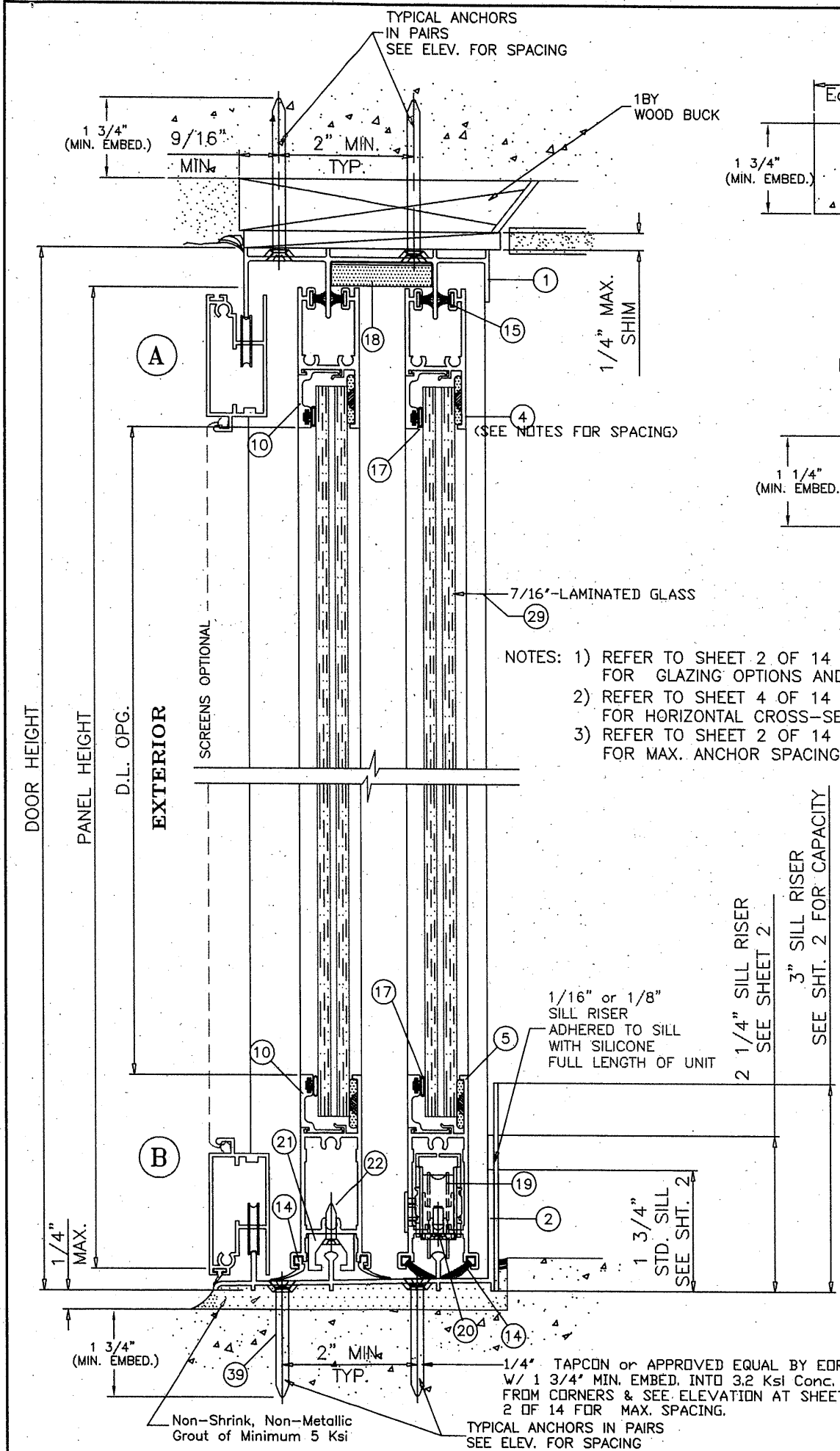
Revision #:

Revision Notes: NOA 12-0127.24 & 12-0127.06	Date Drawn: 09/25/12	Scale: E
A. Revised to include Multi-Slide door panels w/ or w/o pockets and to comply w/ 2010 FBC	Date Revised: 10/06/23	
B. Revised to comply w/ 2014 FBC		
C. Revised to comply w/ 2017 FBC		
D. Revised to comply w/ 2020 FBC		
E. Revised to comply w/ 2023 FBC		
Drawn By: N. ERAZO		
Revised By: N. ERAZO		
Revision Level: E		

PRODUCT REVISED
As complying with the Florida
Building Code
NOA No. **23-1012.04**
Expiration Date: **02/13/2028**
By: *Manuel Fern*
Miami-Dade Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

DATE: OCT 10 2023



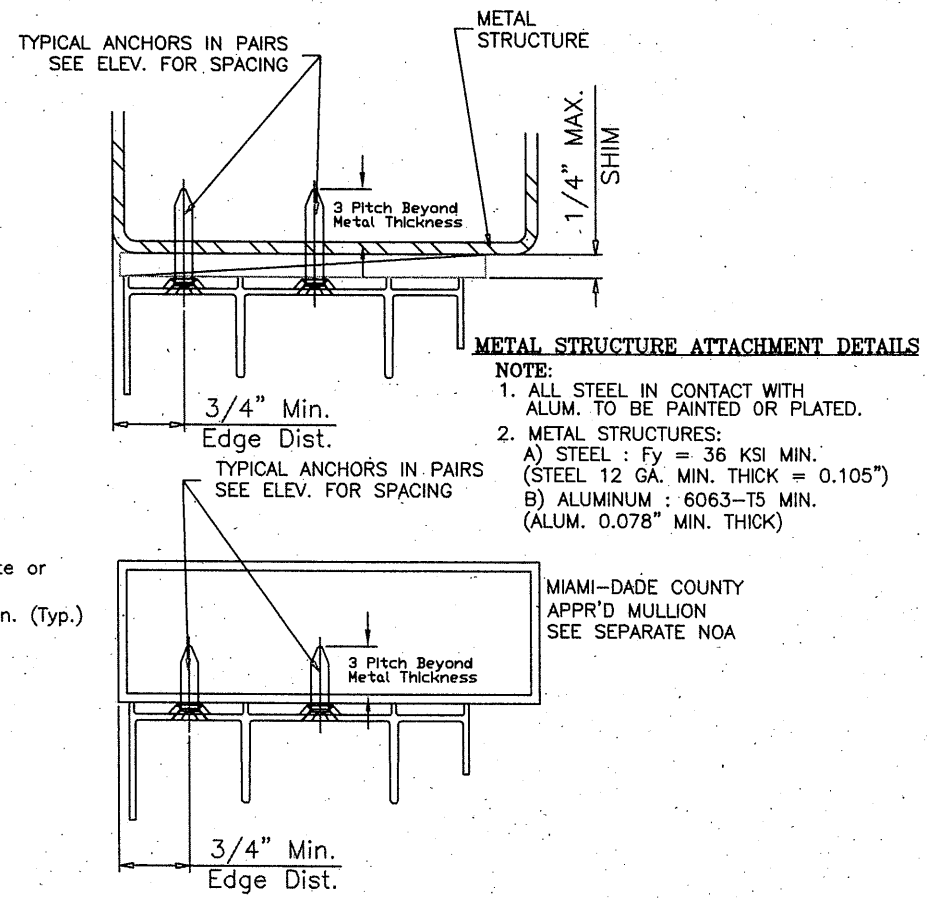
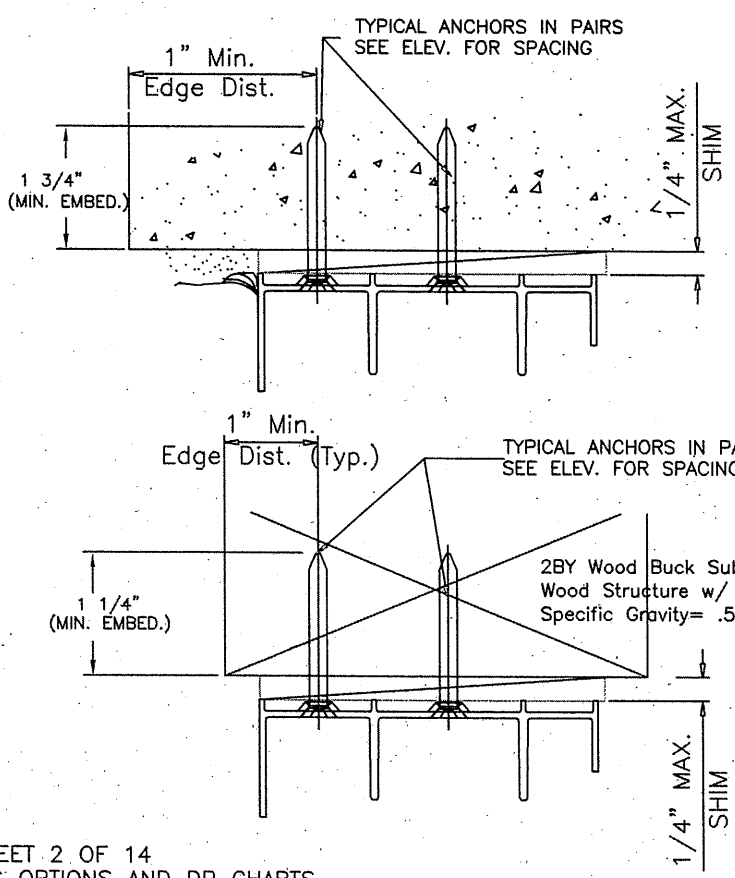
- NOTES: 1) REFER TO SHEET 2 OF 14 FOR GLAZING OPTIONS AND DP CHARTS.
 2) REFER TO SHEET 4 OF 14 FOR HORIZONTAL CROSS-SECTION DETAILS.
 3) REFER TO SHEET 2 OF 14 FOR MAX. ANCHOR SPACINGS.

2 1/4" SILL RISER SEE SHEET 2
 3" SILL RISER SEE SHT. 2 FOR CAPACITY

1/16" or 1/8" SILL RISER ADHERED TO SILL WITH SILICONE FULL LENGTH OF UNIT

1/4" TAPCON or APPROVED EQUAL BY EOR W/ 1 3/4" MIN. EMBED. INTO 3.2 KSI CONC. @ 6" FROM CORNERS & SEE ELEVATION AT SHEET 2 OF 14 FOR MAX. SPACING.
 TYPICAL ANCHORS IN PAIRS SEE ELEV. FOR SPACING

Non-Shrink, Non-Metallic Grout of Minimum 5 Ksi



- METAL STRUCTURE ATTACHMENT DETAILS**
 NOTE:
 1. ALL STEEL IN CONTACT WITH ALUM. TO BE PAINTED OR PLATED.
 2. METAL STRUCTURES:
 A) STEEL : Fy = 36 KSI MIN. (STEEL 12 GA. MIN. THICK = 0.105")
 B) ALUMINUM : 6063-T5 MIN. (ALUM. 0.078" MIN. THICK)

MIAMI-DADE COUNTY APPR'D MULLION SEE SEPARATE NOA

WOOD BUCKS AND METAL STRUCTURES NOT BY LAWSON IND. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. AT SHEET 8 FOR SPACING

ANCHOR TYPE CHART IN CONC. or MASONRY (min.)					
ANCHOR OPTIONS	HEAD-SILL	JAMB	Embedment	Edge Dist.	Concrete
ELCO ULTRACON	1/4"	1/4"	1 3/4"	1"	2.85 Ksi
BUILDEX	1/4"	-	1 3/4"	4"	3.2 Ksi
BUILDEX	-	3/16"	1 3/4"	3"	3.2 Ksi
ANCHOR TYPE CHART IN 2X WOOD BUCK (min.)					
ANCHOR OPTIONS	HEAD-SILL	JAMB	Embedment	Edge Dist.	2x Wood
ELCO ULTRACON	1/4"	1/4"	1 1/4"	1"	.55 SG
BUILDEX	1/4"	1/4"	1 1/4"	1"	.55 SG
S.M.S. (Into 2X)	#12	#12	1 1/4"	1"	.55 SG

1/4" DRILLFLEX SELF DRILLING SCREWS
 INTO METAL STRUCTURES
 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 PAINTED)
#12 SMS
 INTO APPROVED MULLIONS (NO SHIM SPACE)
TYPICAL EDGE DISTANCE
 (1/4") INTO CONCRETE AND MASONRY = 1" MIN. (ELCO ULTRACON)
 (1/4") INTO CONCRETE AND MASONRY = 4" MIN. (ITW BUILDEX)
 (3/16") INTO CONCRETE AND MASONRY = 3" MIN. (ITW BUILDEX)
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
SEALANTS:
 FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

PRODUCT REVISED
 As complying with the Florida Building Code
NOA-No. 23-1012.04
Expiration Date: 02/13/2028
 By: *Manuel Perez*
Miami-Dade Product Control

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

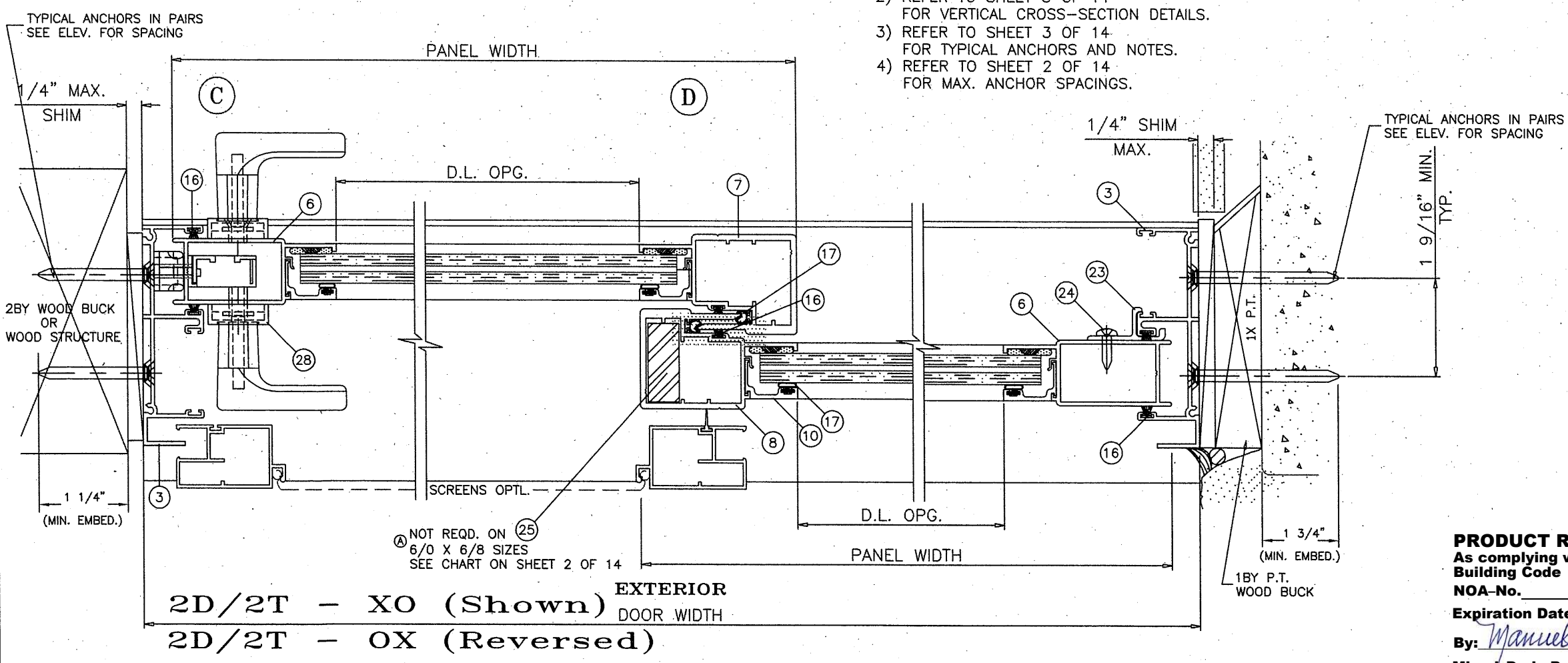
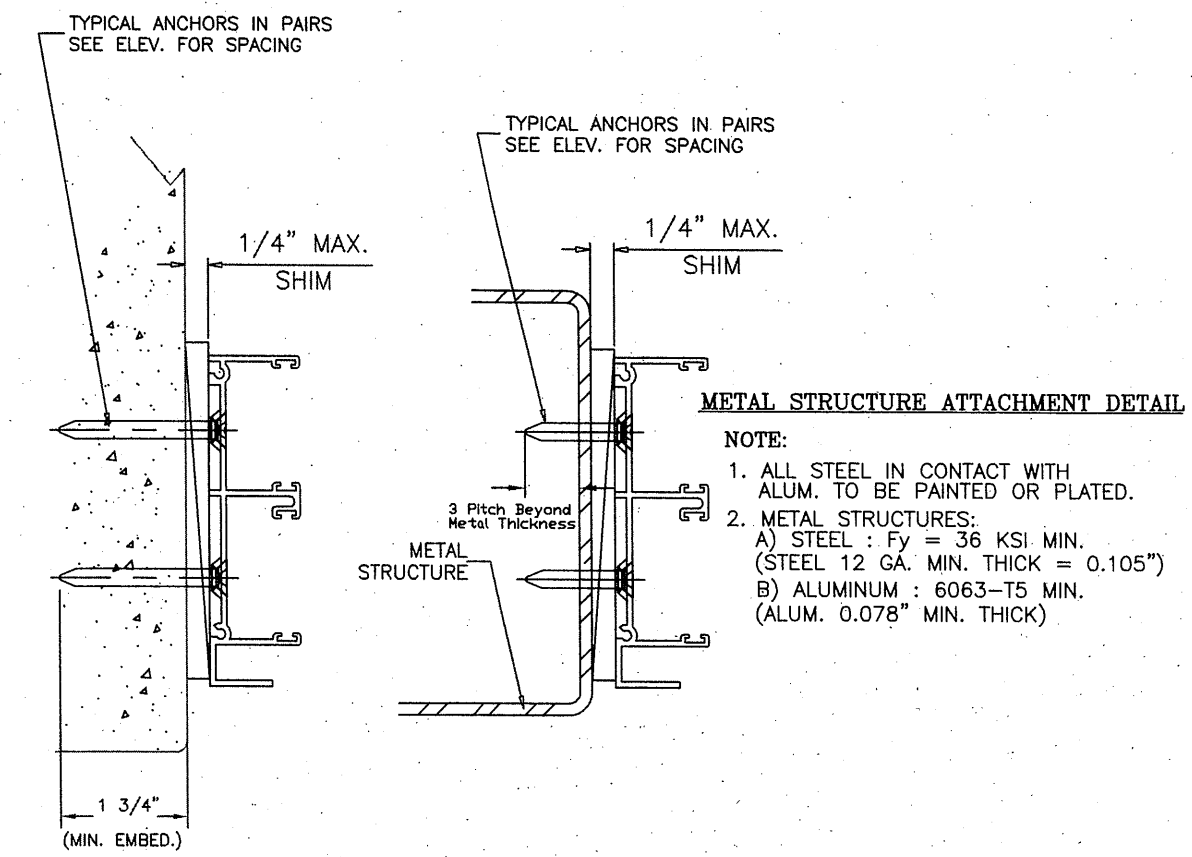
LAWSON INDUSTRIES, INC.
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)
2 TRACK VERTICAL CROSS SECTIONS, DETAILS & ANCHOR NOTES

Drawing Number: 19200-1102
Sheet: 3 OF 14
Revision #:

Revision Notes:	NOA 12-0127.24 & 12-0127.06 & to include Multi-Slide door panels w/ or w/o pockets and to comply w/ 2010 FBC	Date Drawn:	09/25/12	Date Revised:	10/08/23	Scale:	
A. Revised	to comply w/ 2014 FBC						
B. Revised	to comply w/ 2017 FBC						
C. Revised	to comply w/ 2020 FBC						
D. Revised	to comply w/ 2023 FBC						
Drawn By:	N. ERAZO						
Revised By:	N. ERAZO						
Revision Level:	E						

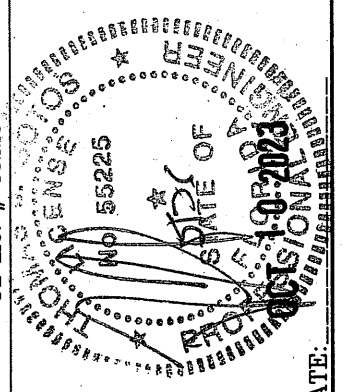
THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

DATE: OCT 16 2023



- NOTES:
- 1) REFER TO SHEET 2 OF 14 FOR GLAZING OPTIONS AND DP CHARTS.
 - 2) REFER TO SHEET 3 OF 14 FOR VERTICAL CROSS-SECTION DETAILS.
 - 3) REFER TO SHEET 3 OF 14 FOR TYPICAL ANCHORS AND NOTES.
 - 4) REFER TO SHEET 2 OF 14 FOR MAX. ANCHOR SPACINGS.

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **23-1012.04**
 Expiration Date: **02/13/2028**
 By: *Manuel Fernandez*
 Miami-Dade Product Control

Revision Notes:	NOA 12-0127.24 & 12-0127.06 A. Revises Multi-Slide door panels w/o pockets and to comply w/ 2010 FBC
B. Revised to comply w/ 2014 FBC	
C. Revised to comply w/ 2017 FBC	
D. Revised to comply w/ 2020 FBC	
E. Revised to comply w/ 2023 FBC	
Drawn By:	N. ERAZO
Date Drawn:	09/25/12
Revised By:	N. ERAZO
Date Revised:	10/08/23
Revision Level:	E
Scale:	

LAWSON INDUSTRIES, INC.

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

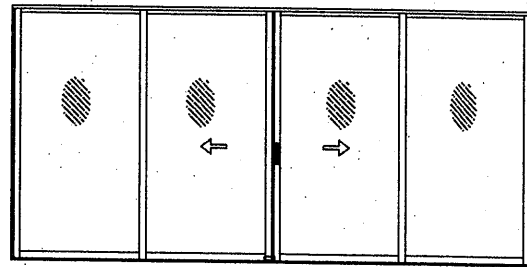
SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

TWO DOOR HORIZONTAL CROSS SECTION, INSTALLATION DETAILS & NOTES

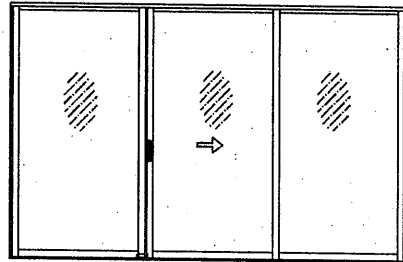
Product Reference Number: L9200-1201

Sheet: 4 OF 14

Revision #:

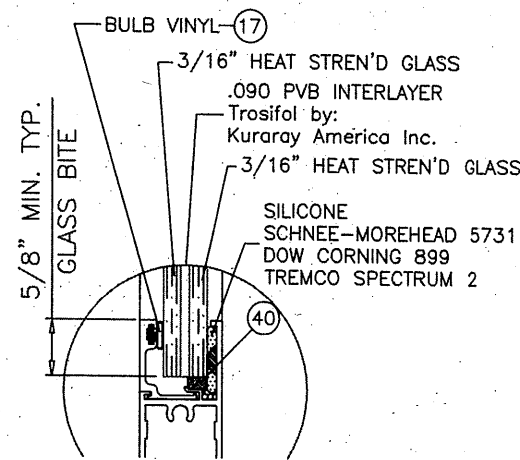


OXXO

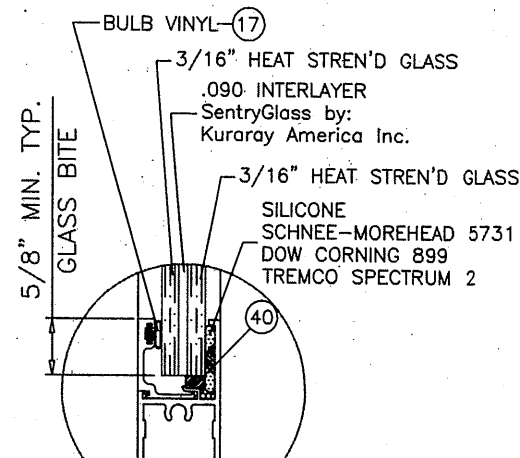


OXO

APPROVED CONFIGURATIONS
(FOR PANEL STACK CONFIGURATIONS SEE SHEET 1.)

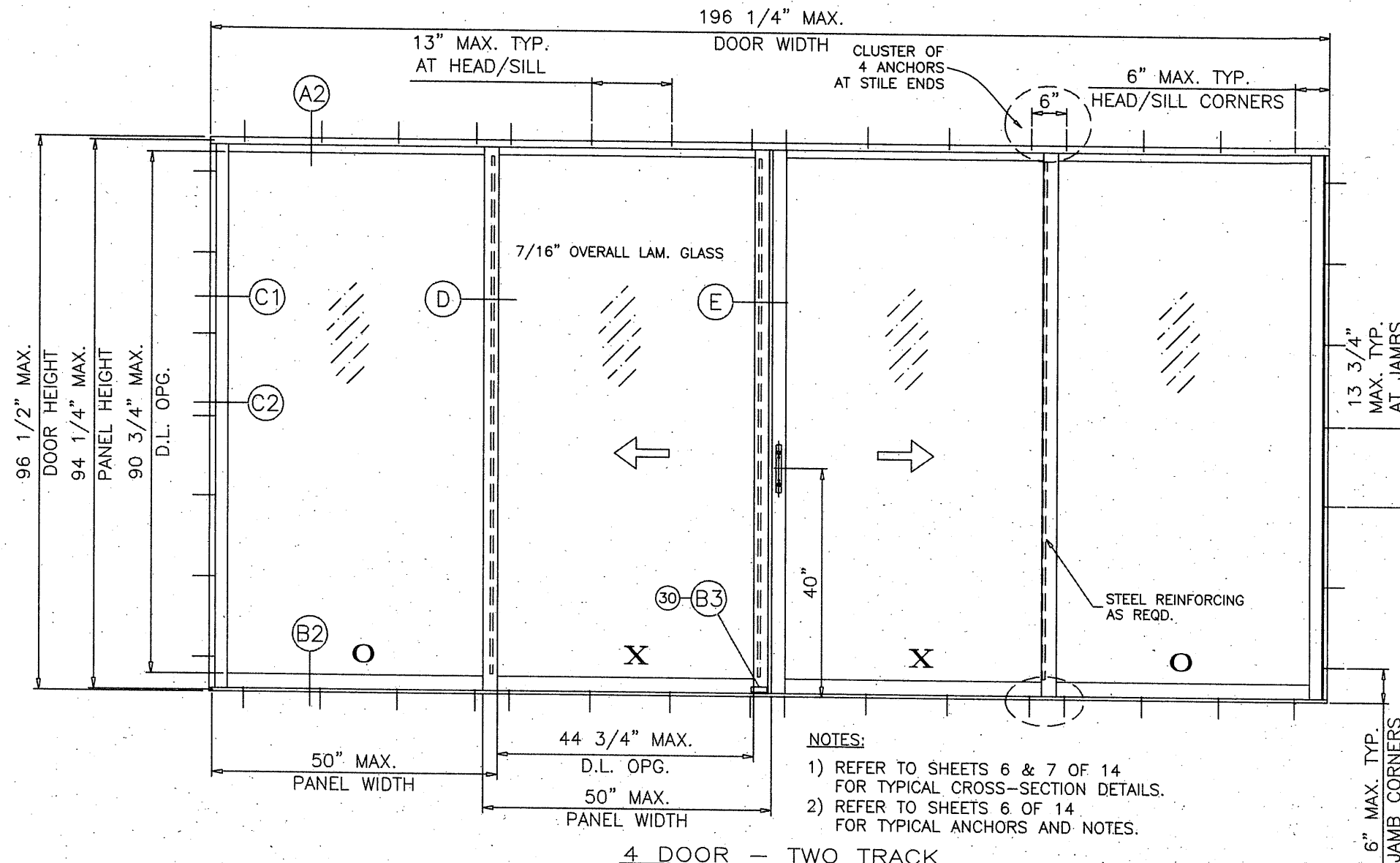


GLASS TYPE 'B'



GLASS TYPE 'A'

GLAZING DETAILS



4 DOOR - TWO TRACK
"OXXO" TYPICAL ELEVATION
TESTED UNIT

LAMINATED GLASS
LARGE MISSILE IMPACT

DOORS GLAZED WITH LAMINATED GLASS RATED FOR
LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

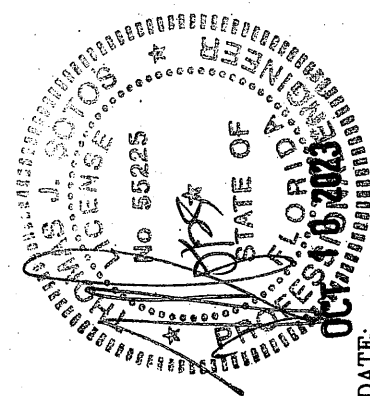
DESIGN LOAD CAPACITY – PSF GLASS TYPES 'A' OR 'B'							
PANEL WIDTH NOMINAL FT./IN.	DOOR HEIGHT FT./IN.	STANDARD SILL		2-1/4" RISER		3" RISER	
		EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)
2/6	6/8	40.7	60.0	56.7	60.0	60.0	60.0
3/0		40.7	60.0	56.7	60.0	60.0	60.0
3/6		40.7	60.0	56.7	60.0	60.0	60.0
4/0		40.7	60.0	56.7	60.0	60.0	60.0
4/6		40.7	60.0	56.7	60.0	60.0	60.0
4/11		40.7	60.0	56.7	60.0	60.0	60.0
2/6	8/0	40.7	60.0	56.7	60.0	60.0	60.0
3/0		40.7	60.0	56.7	60.0	60.0	60.0
3/6		40.7	60.0	56.7	60.0	60.0	60.0
4/0		40.7	60.0	56.7	60.0	60.0	60.0

PANEL MAX. D.L.O.:

3/0 X 6/8 = 32-3/4\"/>

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 23-1012.04
Expiration Date: 02/13/2028
By: Manuel Fern
Miami Dade Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



Revision Notes: NOA 12-0127.24 & 12-0127.06 A. Revises Multi-Slide door panels w/ or & to include pockets and to comply w/ 2010 FBC	Date Drawn: 09/25/12
B. Revised to comply w/ 2014 FBC	Date Revised: 10/06/23
C. Revised to comply w/ 2017 FBC	Scale: E
D. Revised to comply w/ 2020 FBC	
E. Revised to comply w/ 2023 FBC	
Drawn By: N. ERAZO	
Revised By: N. ERAZO	
Revision Level: E	

LAWSON
INDUSTRIES, INC.

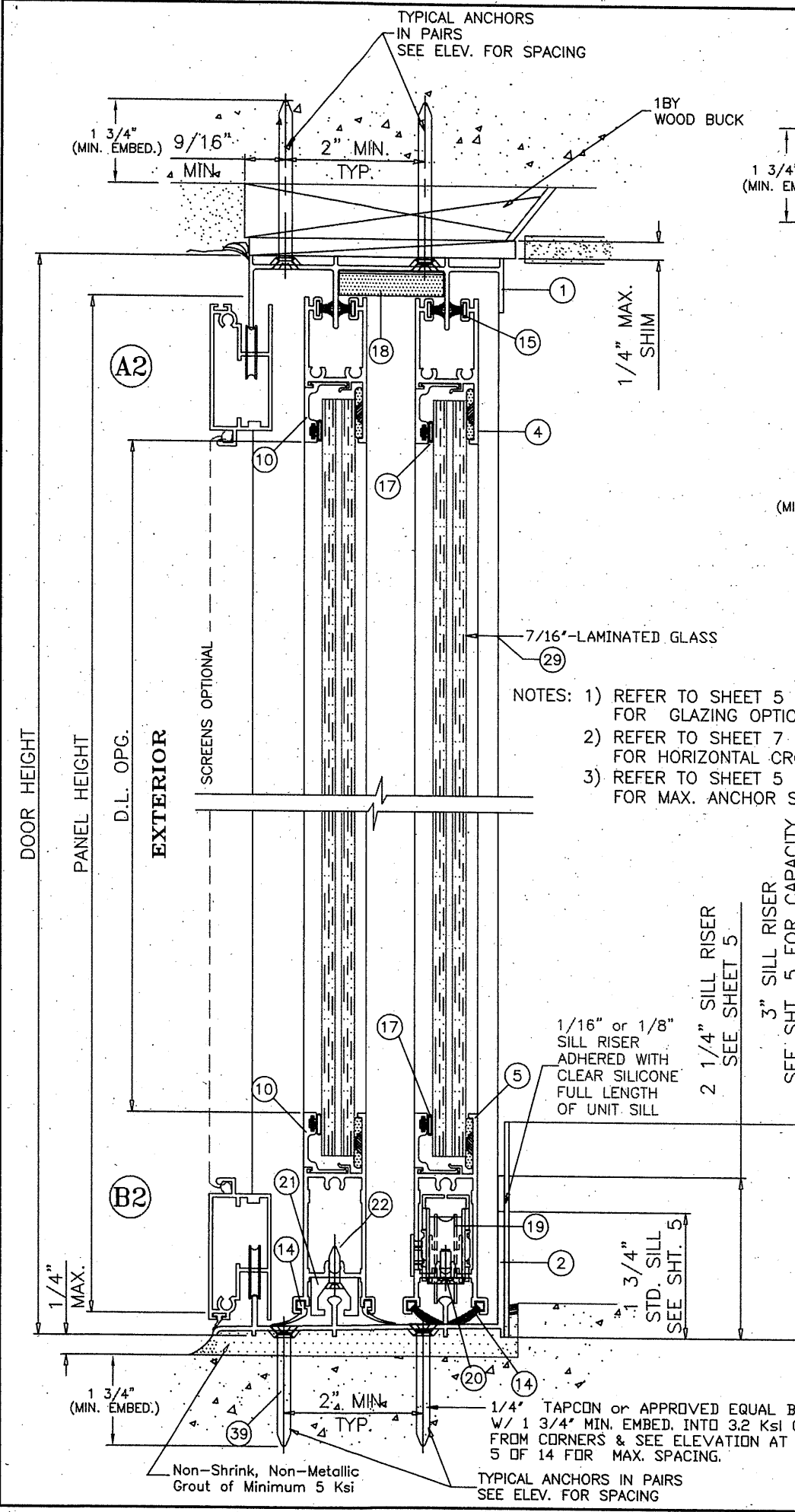
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

APPROVED ELEVATIONS, GENERAL NOTES, GLAZING DETAILS & DP LOAD CHARTS

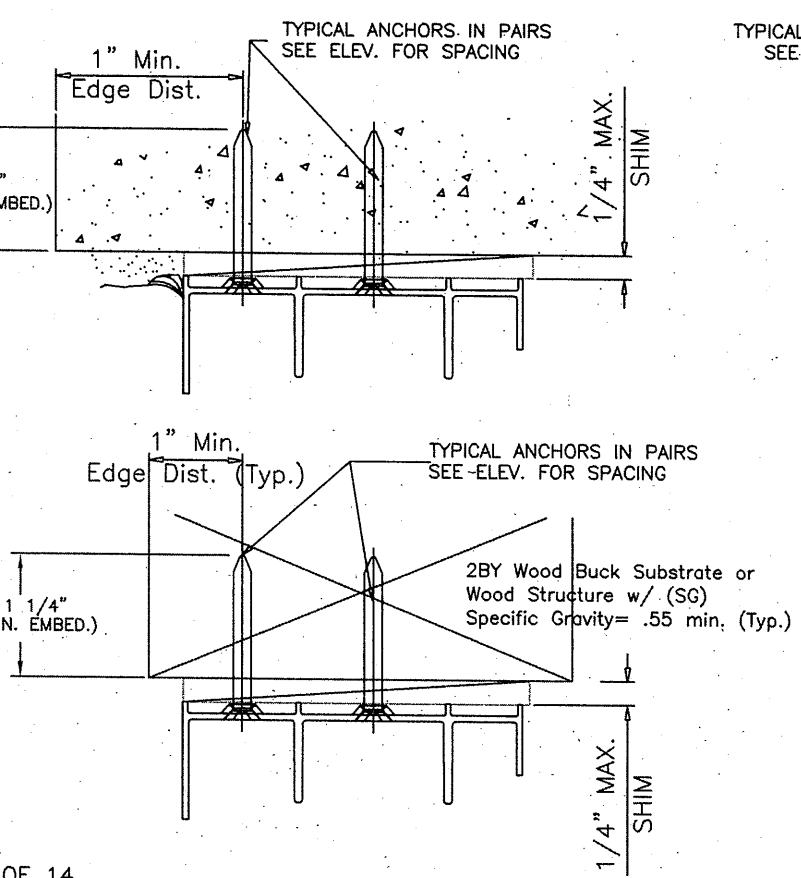
8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

Product Reference Number: L9200-1201
Drawing Number: L9200-1201
Sheet: 5 OF 14
Revision #:



- NOTES: 1) REFER TO SHEET 5 OF 14 FOR GLAZING OPTIONS AND DP CHARTS.
 2) REFER TO SHEET 7 OF 14 FOR HORIZONTAL CROSS-SECTION DETAILS.
 3) REFER TO SHEET 5 OF 14 FOR MAX. ANCHOR SPACINGS.

PRODUCT REVISED
 As complying with the Florida Building Code
NOA-No. 23-1012.04
Expiration Date: 02/13/2028
 By: *Manuel Perez*
Miami-Dade Product Control

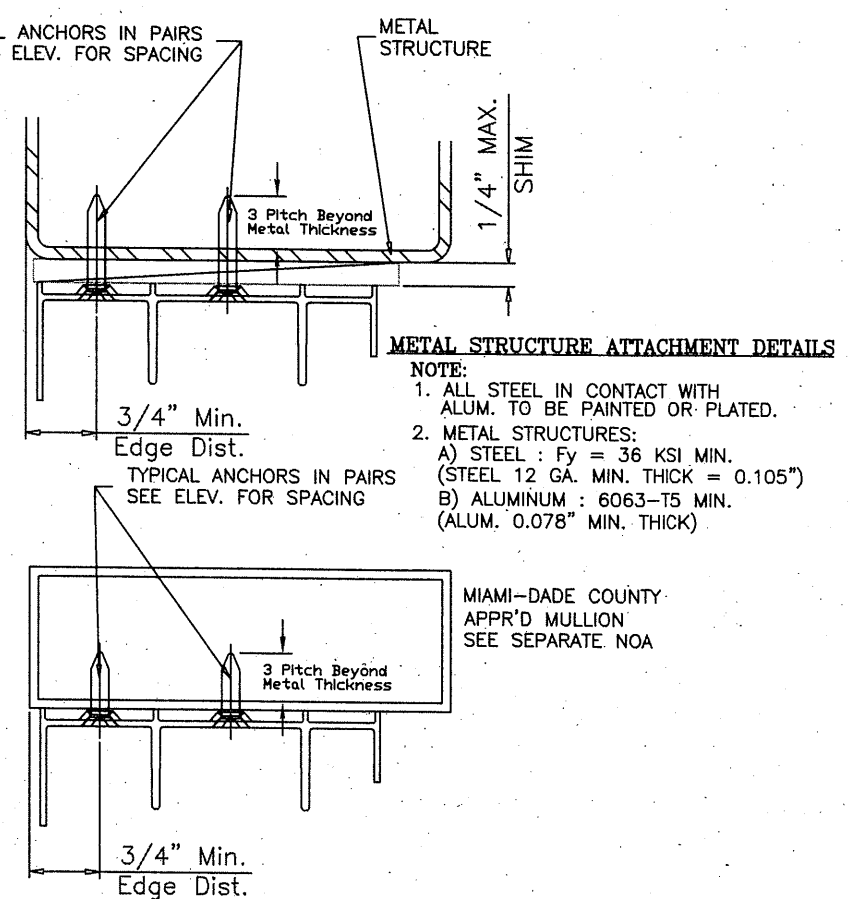


WOOD BUCKS AND METAL STRUCTURES NOT BY LAWSON IND. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. AT SHEET 8 FOR SPACING

ANCHOR TYPE CHART IN CONC. or MASONRY (min.)					
ANCHOR OPTIONS	HEAD-SILL	JAMB	Embedment	Edge Dist.	Concrete
ELCO ULTRACON	1/4"	1/4"	1 3/4"	1"	2.85 Ksi
BUILDEX	1/4"	-	1 3/4"	4"	3.2 Ksi
BUILDEX	-	3/16"	1 3/4"	3"	3.2 Ksi
ANCHOR TYPE CHART IN 2X WOOD BUCK (min.)					
ANCHOR OPTIONS	HEAD-SILL	JAMB	Embedment	Edge Dist.	2x Wood
ELCO ULTRACON	1/4"	1/4"	1 1/4"	1"	.55 SG
BUILDEX	1/4"	1/4"	1 1/4"	1"	.55 SG
S.M.S. (Into 2X)	#12	#12	1 1/4"	1"	.55 SG

1/4" DRILLFLEX SELF DRILLING SCREWS
 INTO METAL STRUCTURES
 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 PAINTED)
#10 SMS
 INTO APPROVED MULLIONS (NO SHIM SPACE)
TYPICAL EDGE DISTANCE
 (1/4") INTO CONCRETE AND MASONRY = 1" MIN. (ELCO ULTRACON)
 (1/4") INTO CONCRETE AND MASONRY = 4" MIN. (ITW BUILDEX)
 (3/16") INTO CONCRETE AND MASONRY = 3" MIN. (ITW BUILDEX)
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
SEALANTS:
 FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.



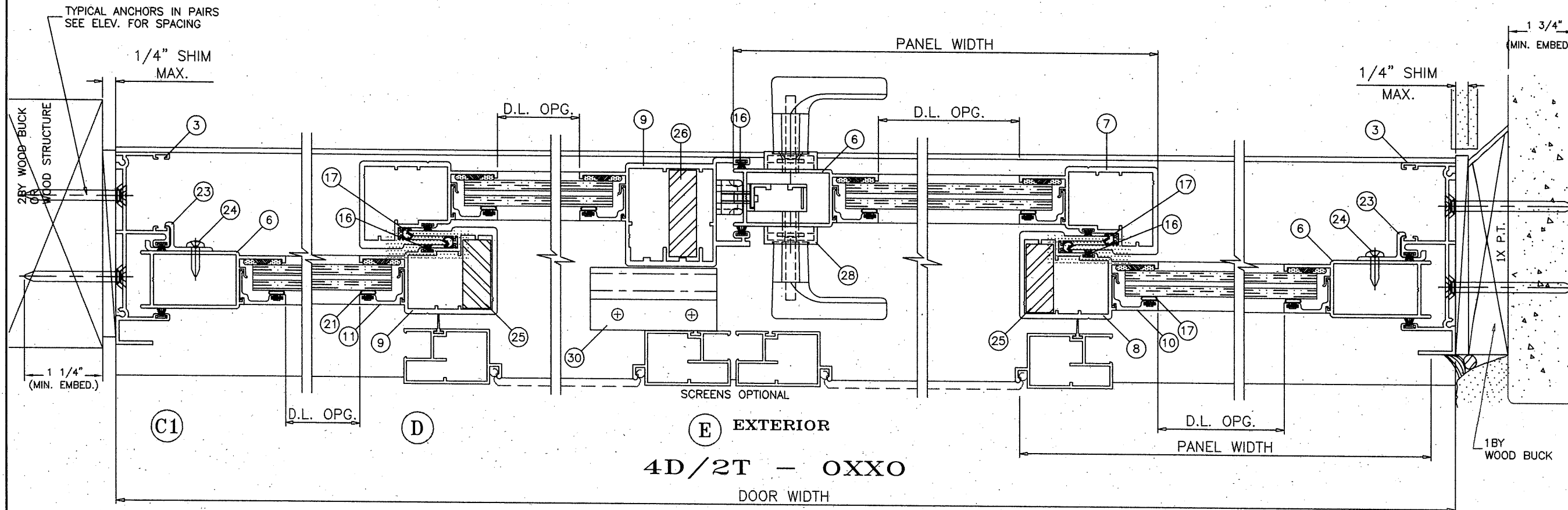
METAL STRUCTURE ATTACHMENT DETAILS
 NOTE:
 1. ALL STEEL IN CONTACT WITH ALUM. TO BE PAINTED OR PLATED.
 2. METAL STRUCTURES:
 A) STEEL : Fy = 36 KSI MIN. (STEEL 12 GA. MIN. THICK = 0.105")
 B) ALUMINUM : 6063-T5 MIN. (ALUM. 0.078" MIN. THICK)

MIAMI-DADE COUNTY
 APPR'D MULLION
 SEE SEPARATE NOA

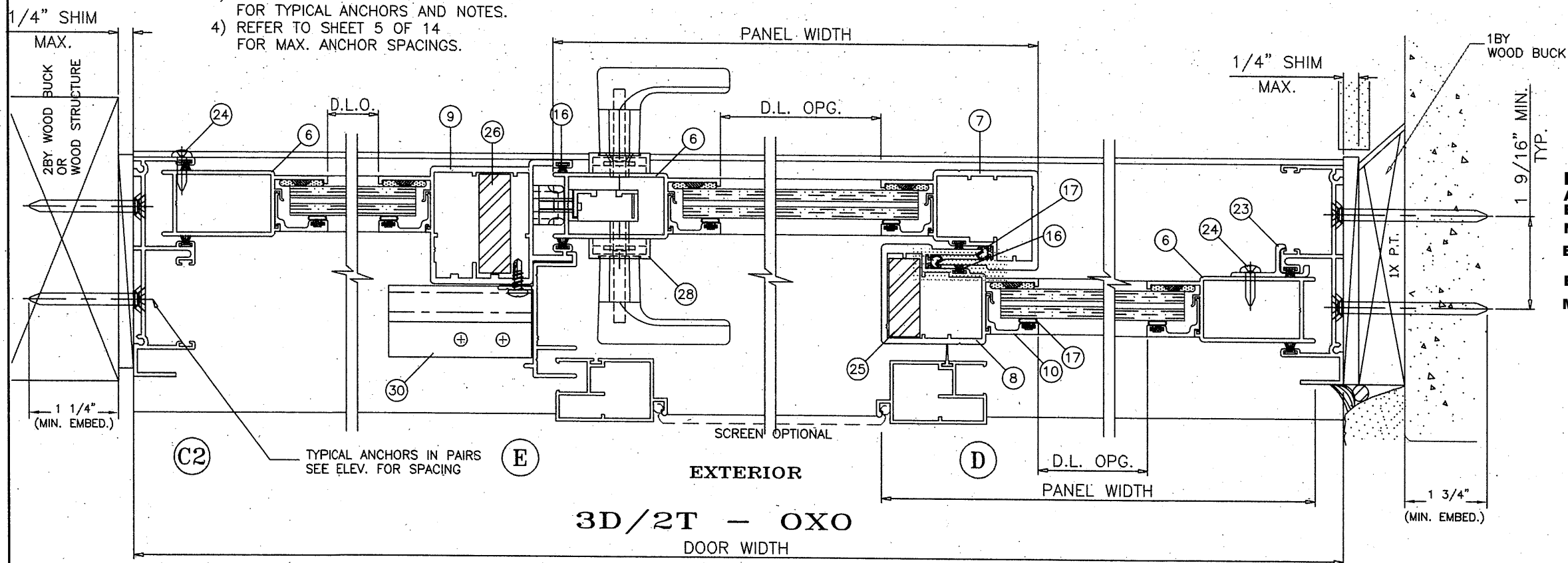
Revision Notes: A. Revises NOA 12-0127.24 & 12-0127.06 & to include Multi-Slide door panels w/ or w/o pockets and to comply w/ 2010 FBC B. Revised to comply w/ 2014 FBC C. Revised to comply w/ 2017 FBC D. Revised to comply w/ 2020 FBC E. Revised to comply w/ 2023 FBC Drawn By: N. ERAZO Revised By: N. ERAZO Revision Level: E	Date Drawn: 09/25/12	Date Revised: 10/06/23	Scale:

THOMAS J. SOTOS
 PROFESSIONAL ENGINEER
 FL LIC. # 55225

DATE:



- NOTES: 1) REFER TO SHEET 5 OF 14 FOR GLAZING OPTIONS AND DP CHARTS.
 2) REFER TO SHEET 6 OF 14 FOR VERTICAL CROSS-SECTION DETAILS.
 3) REFER TO SHEET 6 OF 14 FOR TYPICAL ANCHORS AND NOTES.
 4) REFER TO SHEET 5 OF 14 FOR MAX. ANCHOR SPACINGS.



PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **23-1012.04**
 Expiration Date: **02/13/2028**
 By: *Manuel Erazo*
 Miami-Dade Product Control

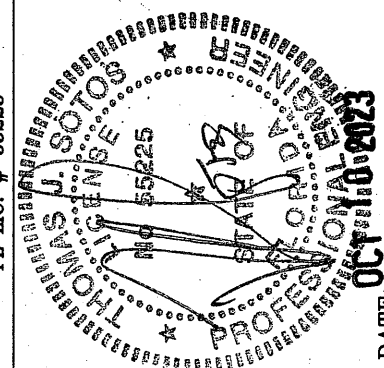
Revision Notes:	NOA 12-0127.24 & 12-0127.06
A. Revised	to include Multi-Slide door panels w/ or w/o pockets and to comply w/ 2010 FBC
B. Revised	to comply w/ 2014 FBC
C. Revised	to comply w/ 2017 FBC
D. Revised	to comply w/ 2020 FBC
E. Revised	to comply w/ 2023 FBC
Drawn By:	N. ERAZO
Date Drawn:	08/25/12
Revised By:	N. ERAZO
Date Revised:	10/06/23
Revision Level:	E
Scale:	

LAWSON
 INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
 SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)
 THREE DOOR AND FOUR DOOR HORIZONTAL CROSS SECTIONS & NOTES

8501 N.W. 90 ST.
 MEDLEY, FLORIDA 33166
 PH No. (305) 696-8660

THOMAS J. SOTOS
 PROFESSIONAL ENGINEER
 FL LIC. # 55225



DATE:

Scale:

Date Revised:

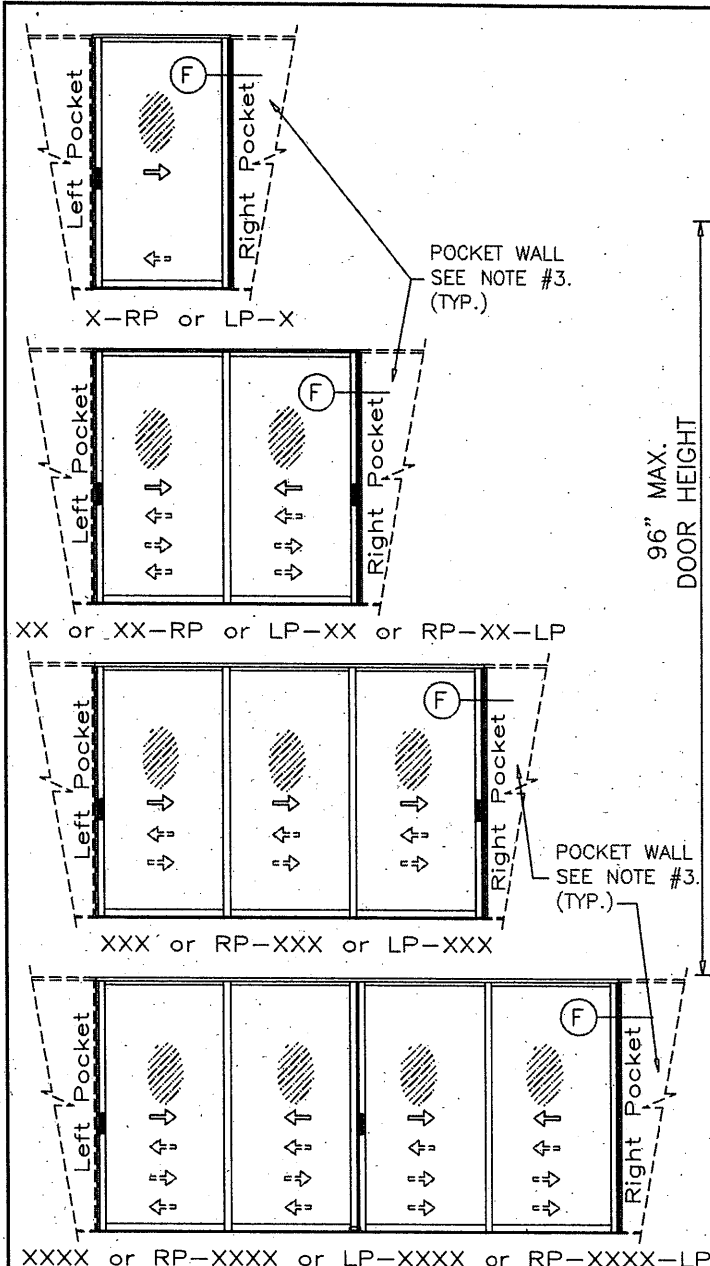
Product Reference Number:

Drawing Number:

Sheet

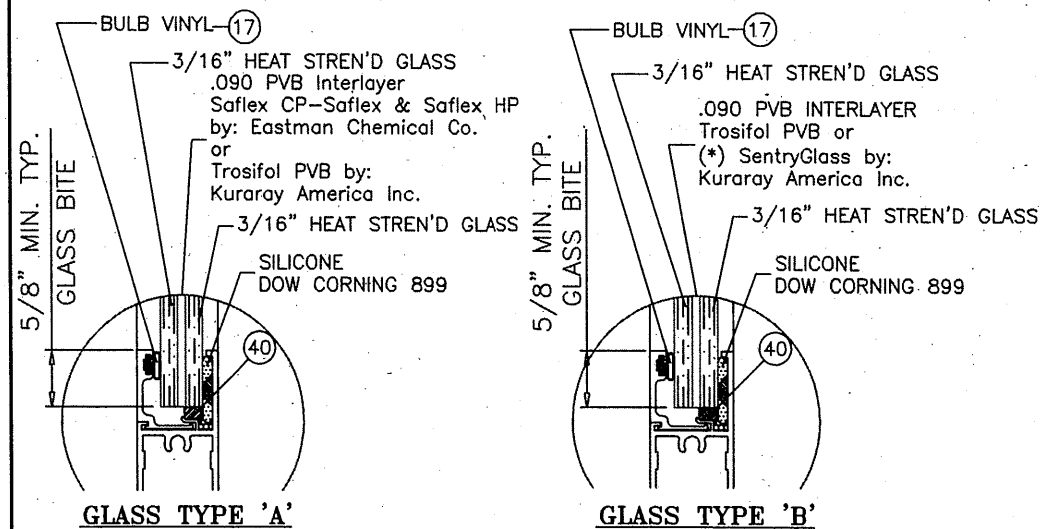
7 OF 14

Revision #:



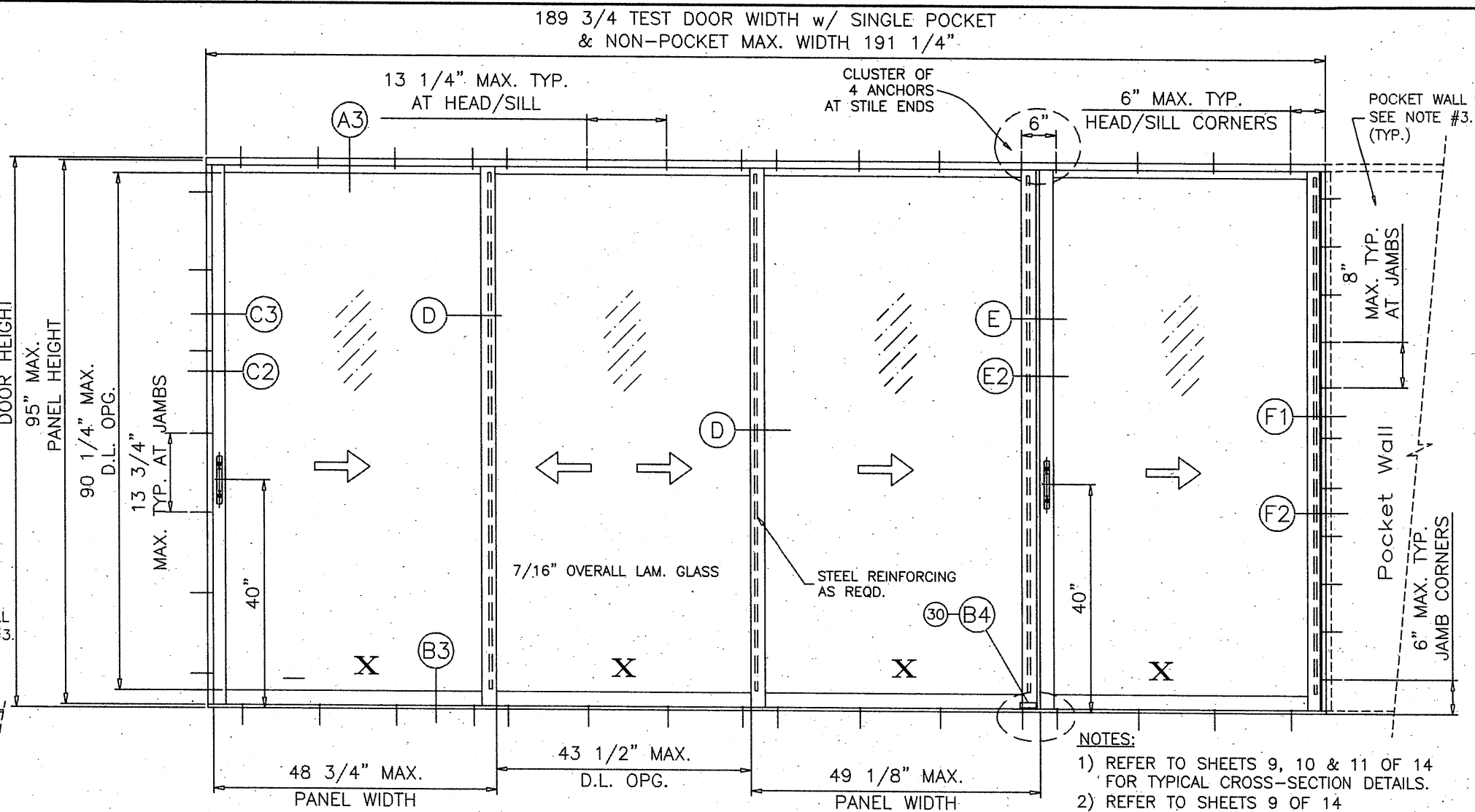
APPROVED CONFIGURATIONS WITH & WITHOUT POCKETS

(FOR PANEL STACK CONFIGURATIONS SEE SHEET 1.)



GLAZING DETAILS

PANEL MAX. D.L.O.:
 3/0 X 6/8 = 31-1/2" X 74-1/4"
 4/0 X 6/8 = 43-1/2" X 74-1/4"
 3/0 X 8/0 = 31-1/2" X 90-1/4"
 4/0 X 8/0 = 43-1/2" X 90-1/4"



NOTES:

- 1) REFER TO SHEETS 9, 10 & 11 OF 14 FOR TYPICAL CROSS-SECTION DETAILS.
- 2) REFER TO SHEETS 9 OF 14 FOR TYPICAL ANCHORS AND NOTES.
- 3) FOR POCKET WALLS SEE GENERAL NOTES #15 & 16 AT SHEET 1 OF 14.

DOORS GLAZED WITH LAMINATED GLASS RATED FOR LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

NOMINAL DOOR SIZES WIDTH FT./IN.	HEIGHT FT./IN.	DP CAPACITY - PSF (2 1/4" SILL)				DP CAPACITY - PSF (3" SILL)			
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'A'		GLASS TYPE 'B'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
8/0 (2DR) (W/ 1 STEEL)	8/0	56.7	68.0	56.7	68.0	68.0	68.0	68.0	68.0
8/0 (2DR) (W/ 2 STEEL)	8/0	56.7	68.0	56.7	68.0	68.0	68.0	(*) 68.0	(*) 68.0
12/0 (3DR) (W/ 1 STEEL)	8/0	56.7	68.0	56.7	68.0	-	-	68.0	68.0
12/0 (3DR) (W/ 2 STEEL)	8/0	56.7	68.0	56.7	68.0	68.0	68.0	(*) 68.0	(*) 68.0
16/0 (4DR) (W/ 1 STEEL)	8/0	53.3	60.0	53.3	60.0	60.0	60.0	60.0	60.0
16/0 (4DR) (W/ 2 STEEL)	8/0	53.3	68.0	53.3	68.0	68.0	68.0	68.0	68.0

(*) 2dr/3dr DOORS MEET +76.7 & -78.0 DP w/ "Kuraray 0.090" SG Laminate

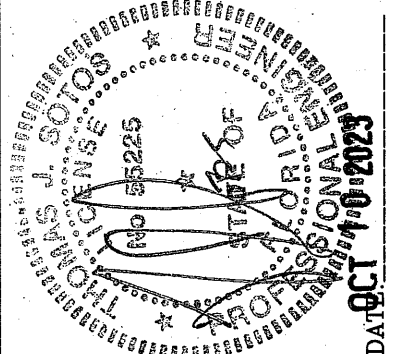
LAMINATED GLASS LARGE MISSILE IMPACT

PRODUCT REVISED
 As complying with the Florida
 Building Code
 NOA-No. **23-1012.04**

Expiration Date: **02/13/2028**

By: *Manuel Perez*
 Miami-Dade Product Control

THOMAS J. SOTOS
 PROFESSIONAL ENGINEER
 FL LIC. # 55225



Revision Notes: NOA 12-0127.24 & 12-0127.06 A. Revised to include Multi-Slide door panels w/ or w/o pockets and to comply w/ 2010 FBC	Date Drawn: 09/25/12
B. Revised to comply w/ 2014 FBC	Date Revised: 10/06/23
C. Revised to comply w/ 2017 FBC	Scale: E
D. Revised to comply w/ 2020 FBC	
E. Revised to comply w/ 2023 FBC	
Drawn By: N. ERAZO	
Revised By: N. ERAZO	
Revision Level: E	

LAWSON
 INDUSTRIES, INC.

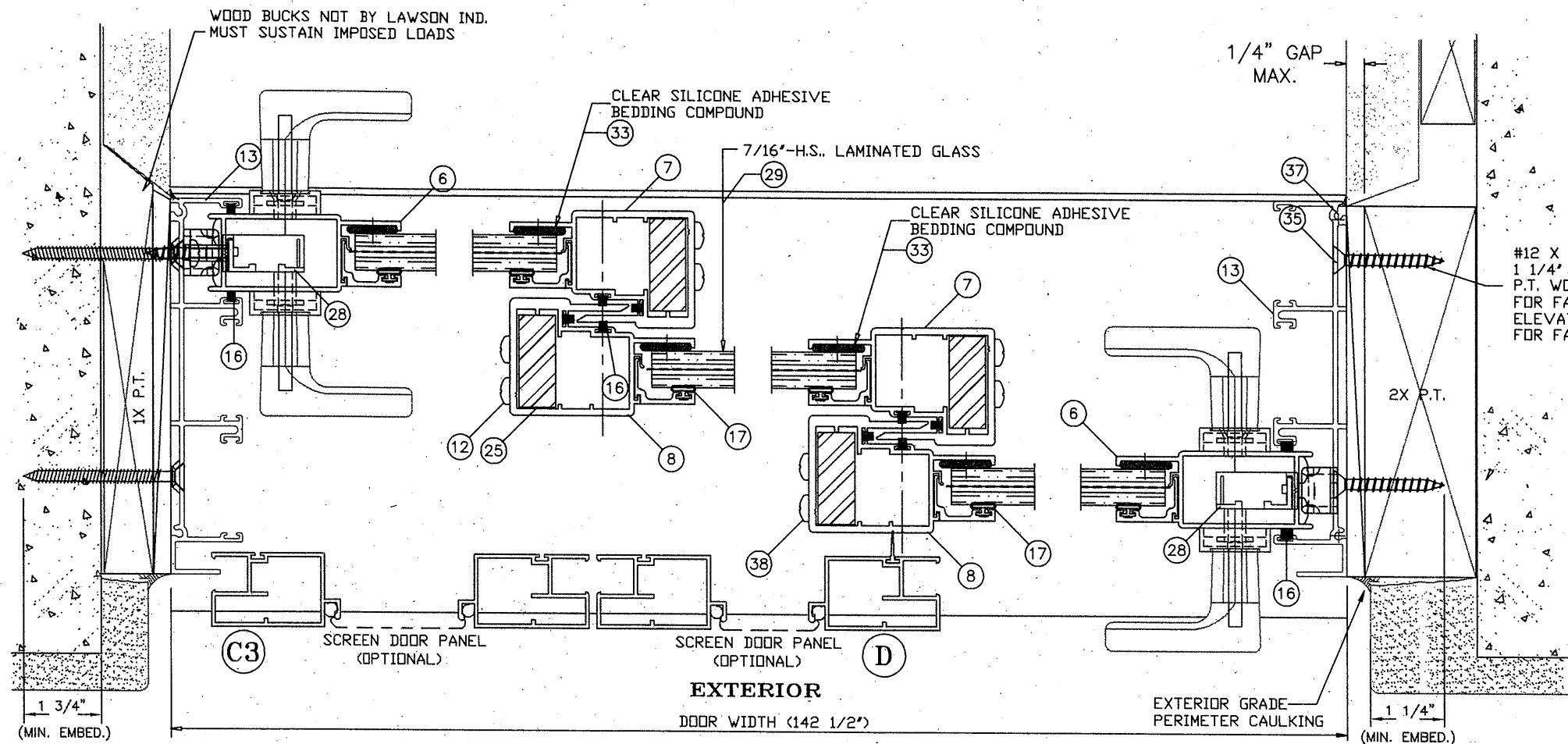
8501 N.W. 90 ST.
 MEDLEY, FLORIDA 33166
 PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

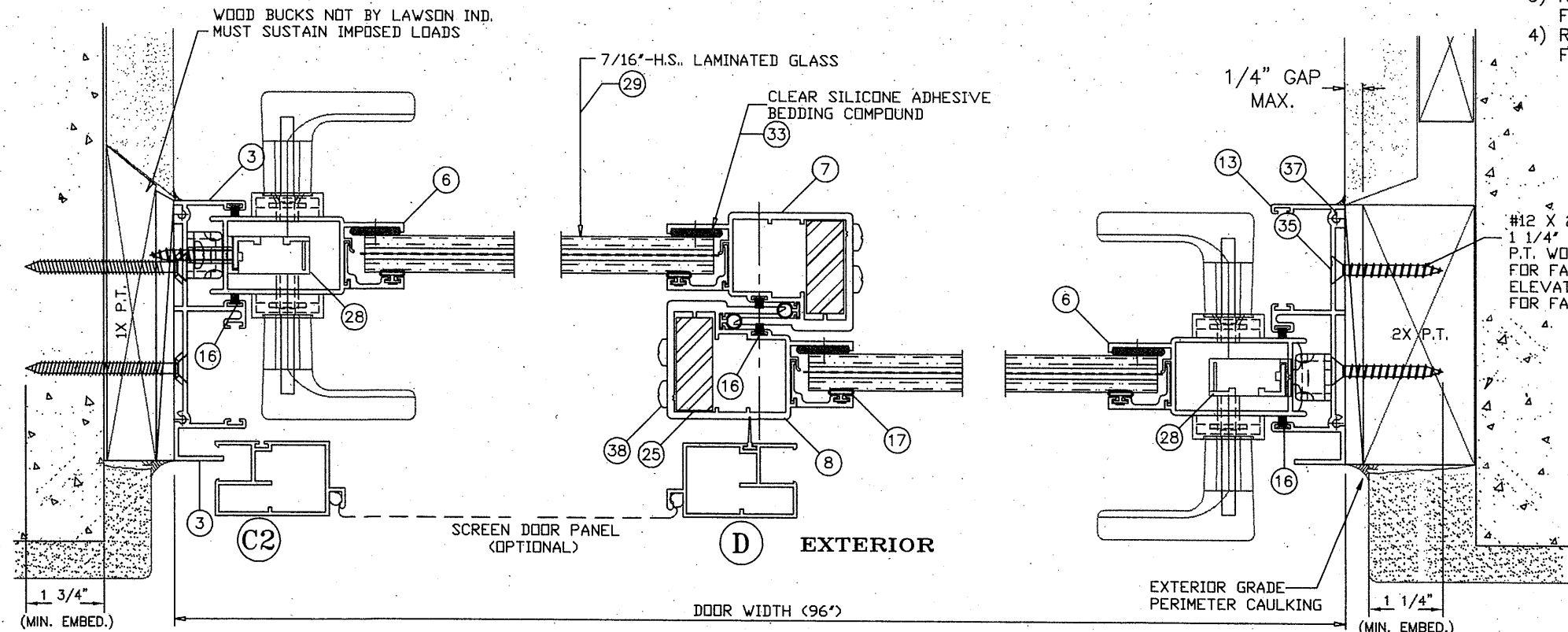
SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

APPROVED ELEVATIONS, GENERAL NOTES, GLAZING DETAILS & DP LOAD CHARTS

Product Reference Number: L9200-1201 Sheet: 8 OF 14 Revision #: 1

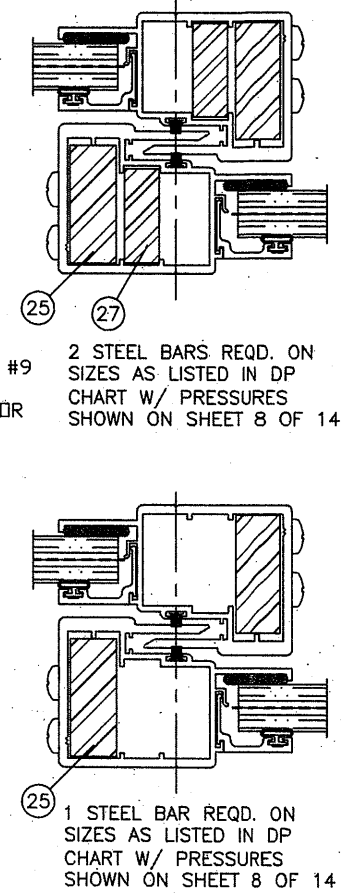


3D/3T - XXX



2D/2T - XX

#12 X 2' F.H./PHI.-S.M.S. W/
1 1/4" MIN. EMBED. INTO 2X
P.T. WOOD BUCK (SEE SHEET #9
FOR FASTENER NOTES AND
ELEVATION AT SHEET # 8 FOR
FOR FASTENER SPACING)



- NOTES: 1) REFER TO SHEET 8 OF 14
FOR GLAZING OPTIONS AND DP CHARTS.
2) REFER TO SHEET 9 OF 14
FOR VERTICAL CROSS-SECTION DETAILS.
3) REFER TO SHEET 9 OF 14
FOR TYPICAL ANCHORS AND NOTES.
4) REFER TO SHEET 8 OF 14
FOR MAX. ANCHOR SPACINGS.

#12 X 2' F.H./PHI.-S.M.S. W/
1 1/4" MIN. EMBED. INTO 2X
P.T. WOOD BUCK (SEE SHEET #9
FOR FASTENER NOTES AND
ELEVATION AT SHEET # 8 FOR
FOR FASTENER SPACING)

LAWSON
INDUSTRIES, INC.

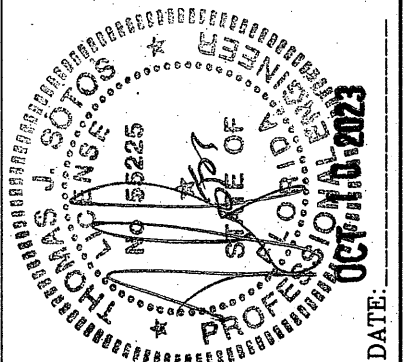
8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)
TWO DOOR AND THREE DOOR HORIZONTAL CROSS SECTIONS AND NOTES

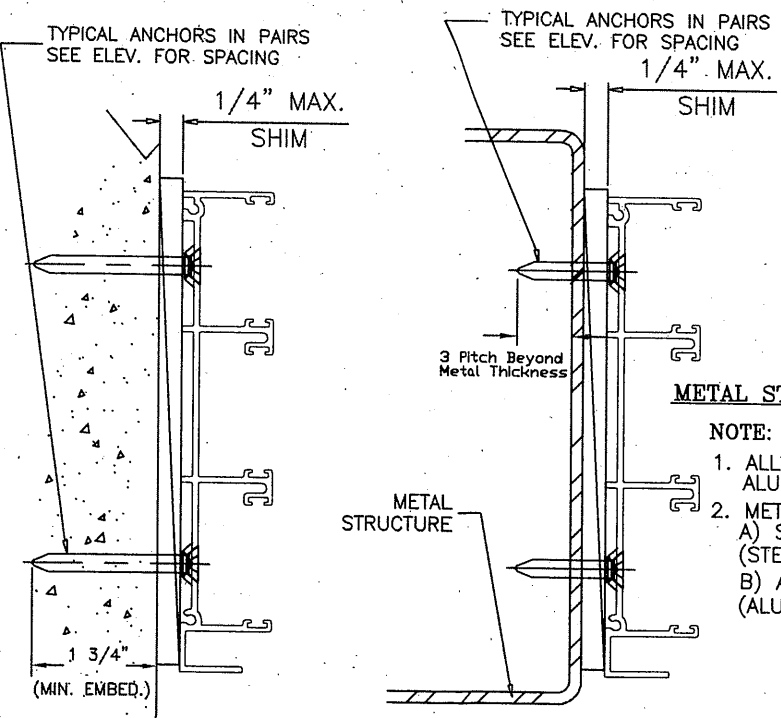
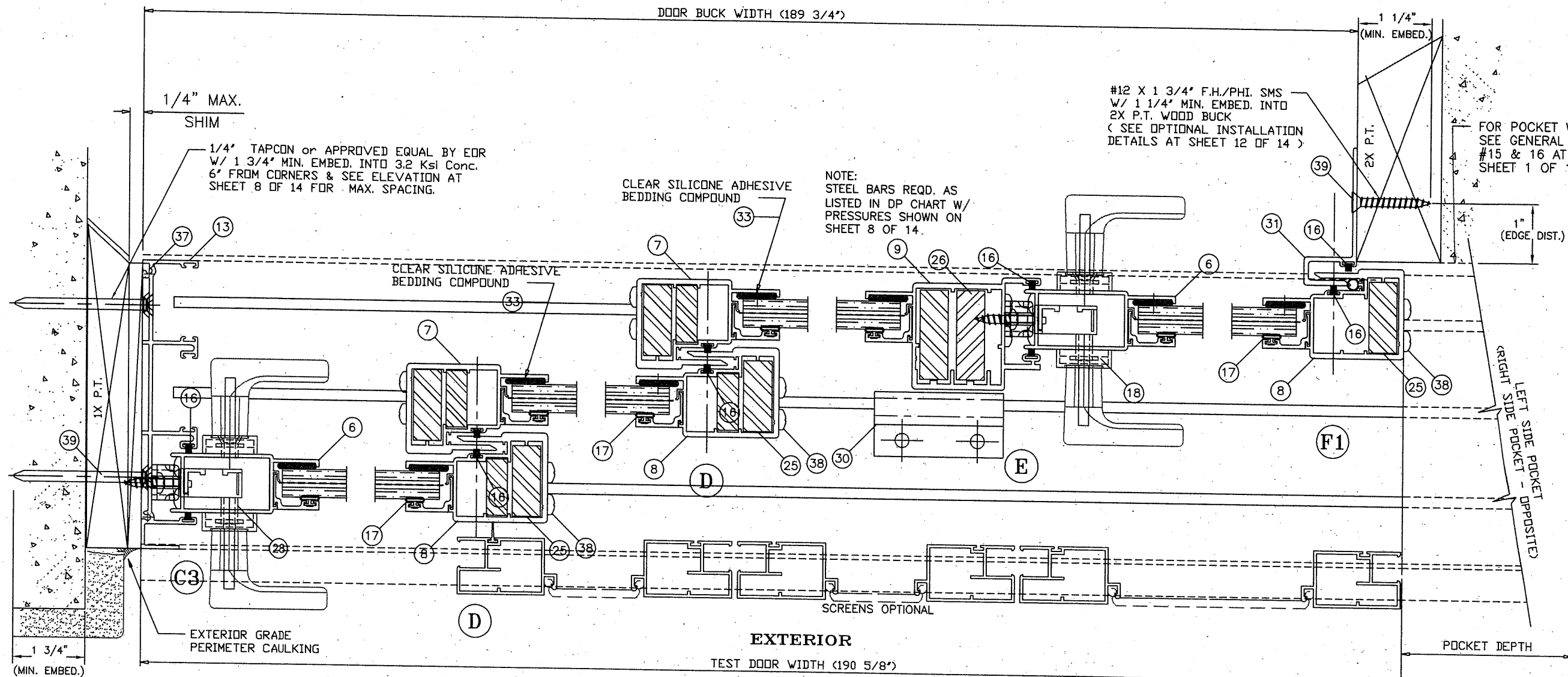
Revision Notes: NOA 12-0127/24 & 12-0127/06 A. Revises NOA 12-0127/24 & 12-0127/06 & to include Multi-Slide door panels w/ or w/o pockets and to comply w/ 2010 FBC	Date Drawn: 09/25/12
B. Revised to comply w/ 2014 FBC	Date Revised: 10/06/23
C. Revised to comply w/ 2017 FBC	Scale: E
D. Revised to comply w/ 2020 FBC	
E. Revised to comply w/ 2023 FBC	
Drawn By: N. ERAZO	
Revised By: N. ERAZO	
Revision Level: E	

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 23-1012.04
Expiration Date: 02/13/2028
By: *Manuel Fern*
Miami-Dade Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



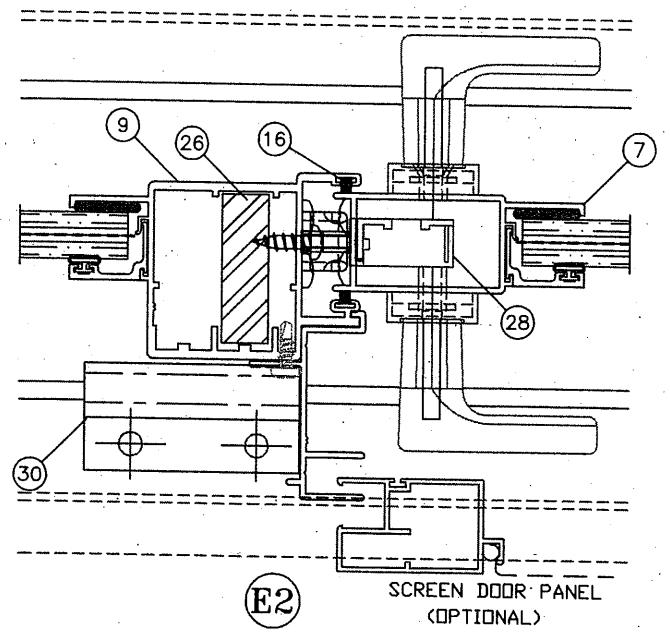
DATE: _____



METAL STRUCTURE ATTACHMENT DETAIL

NOTE:

1. ALL STEEL IN CONTACT WITH ALUM. TO BE PAINTED OR PLATED.
2. METAL STRUCTURES:
 - A) STEEL : $F_y = 36$ KSI MIN. (STEEL 12 GA. MIN. THICK - 0.105")
 - B) ALUMINUM : 6063-T5 MIN. (ALUM. 0.078" MIN. THICK)



- NOTES:
- 1) REFER TO SHEET 8 OF 14 FOR GLAZING OPTIONS AND DP CHARTS.
 - 2) REFER TO SHEET 9 OF 14 FOR VERTICAL CROSS-SECTION DETAILS.
 - 3) REFER TO SHEET 9 OF 14 FOR TYPICAL ANCHORS AND NOTES.
 - 4) REFER TO SHEET 8 OF 14 FOR MAX. ANCHOR SPACINGS.

LAWSON INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

FOUR DOOR HORIZONTAL CROSS SECTIONS, DETAILS & NOTES

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

Product Reference Number: L9200-1201

Drawing Number: 11 OF 14

Revision #:

Revision Notes	NOA 12-0127.24 & 12-0127.06	Date Drawn	09/25/12
A. Revised	to include Multi-Slide door panels w/ or w/o pockets and to comply w/ 2010 FBC	Date Revised	10/08/23
B. Revised	to comply w/ 2014 FBC	Scale	E
C. Revised	to comply w/ 2017 FBC		
D. Revised	to comply w/ 2020 FBC		
E. Revised	to comply w/ 2023 FBC		
Drawn By:	N. ERAZO		
Revised By:	N. ERAZO		
Revision Level:	E		

PRODUCT REVISED

As complying with the Florida Building Code

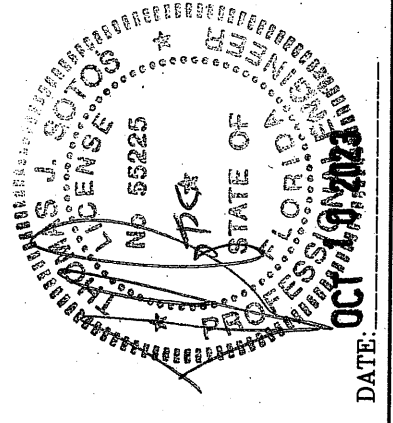
NOA No. **23-1012.04**

Expiration Date: **02/13/2028**

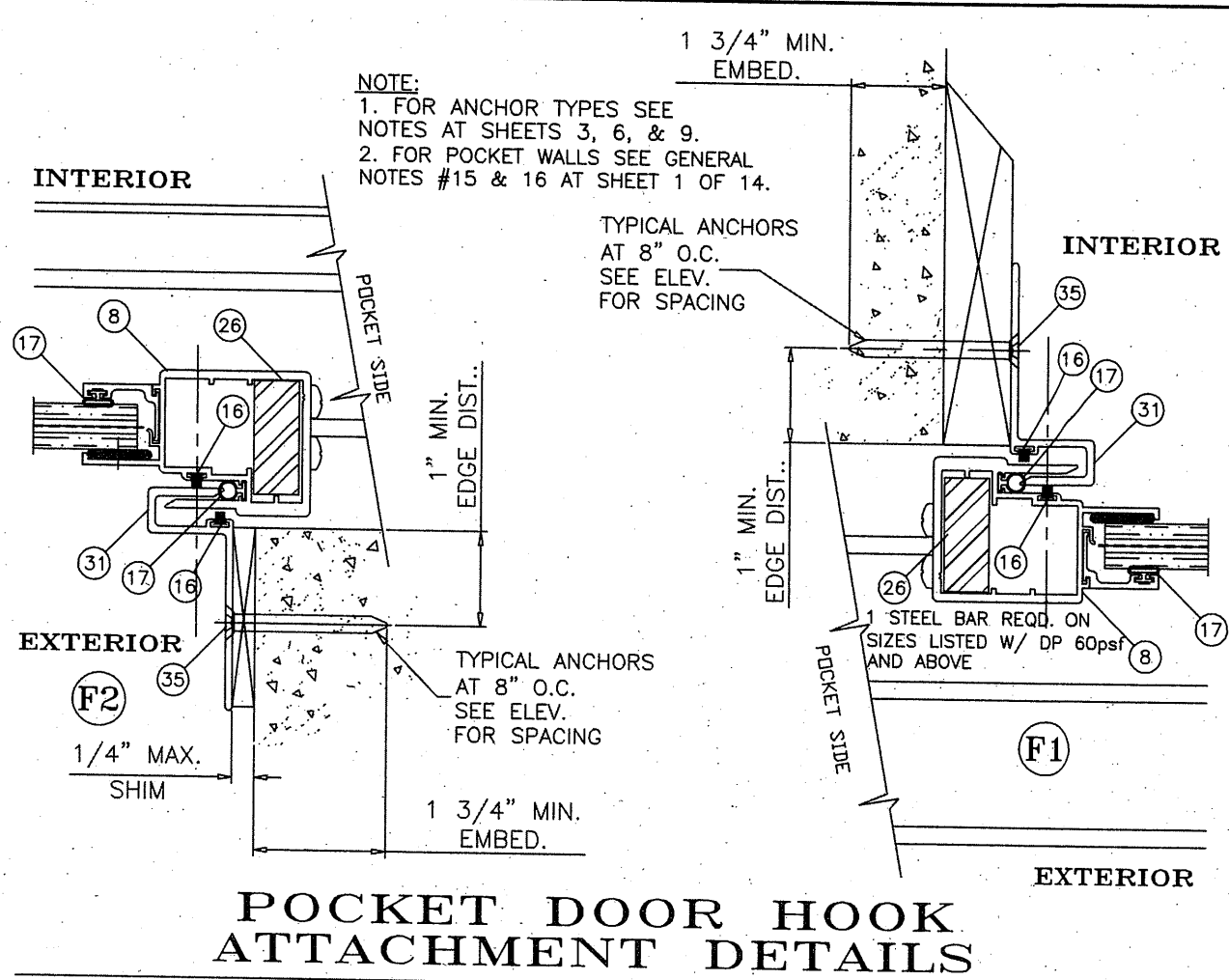
By: *Manuel Fern*

Miami-Dade Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



SGD-9200 BILL OF MATERIALS - 2 & 3 TRACK FRAME				
ITEM #	PART #	QTY.	DESCRIPTION	REMARKS
1	L-9211	1	2 TRACK FRAME HEAD	6063-T6 ALUMINUM
1.2	L-9211	1	2 TRACK FRAME HEAD (Multi-Slide)	6063-T6 ALUMINUM
2	L-9206	1	2 TRACK FRAME SILL	6063-T5 ALUMINUM
3	L-9212	2	2 TRACK FRAME JAMB	6063-T5 ALUMINUM
4	L-9204	1 X PANEL	PANEL TOP RAIL	6063-T5 ALUMINUM
5	L-9205	1 X PANEL	PANEL BOTTOM RAIL	6063-T5 ALUMINUM
6	L-9201	1	PANEL LOCK STILE	6063-T6 ALUMINUM
7	L-9202	1	PANEL INTERIOR INTERLOCK	6063-T6 ALUMINUM
8	L-9203	1	PANEL EXTERIOR INTERLOCK	6063-T6 ALUMINUM
9	L-9207	1	PANEL ASTRAGAL	6063-T6 ALUMINUM
10	L-9209	AS REQ'D.	ALUMINUM GLAZING BEAD	6063-T5 ALUMINUM
11	L-9214	1	3 TRACK FRAME HEAD	6063-T6 ALUMINUM
12	L-9208	1	3 TRACK FRAME SILL	6063-T5 ALUMINUM
13	L-9213	2	3 TRACK FRAME JAMB	6063-T5 ALUMINUM
14	PWS-016	AS REQ'D.	BOTTOM RAIL WTS'P	ULTRAFAB #QB6757DK
15	PWS-009	AS REQ'D.	PANEL TOP RAIL WTS'P	.187"x.310" (7830-6001-1)
16	PWS-003	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187"x.210" (7820-6001-9)
17	VWS-004	AS REQ'D.	BULB VINYL (FPVC)	1/4" O.D.
18	L-9016	2	SELF ADHESIVE PILE PAD	13/16" X 1 1/2"
19	HC-046	2	MVG. PANEL TANDEM ROLLER	2 X EA. MVG. BOT. RAIL
20	FS-003	2	ROLLER ATTACHMENT SCREW	#8 X 1/2" F.H./PHIL.
21	AR-008	2X PANEL	PANEL 'C' TRACK CLIP	6063-T6 ALUMINUM
22	FS-042	AS REQD.	'C' TRACK ATTACHMENT SCREW	#10 X 1" SMS F.H./PHIL.
23	L-9018	1 X ANCHOR	FIXED PANEL JAMB CLIP	6063-T5 ALUMINUM
24	FS-011	1 X CLIP	FIXED PANEL CLIP SCREW	#10 X 5/8" PH/PHIL.
25	AR-020	*	INTERLOCK STEEL REINFORCEMENT	1/2" X 1 1/4" (36 KSI)
26	AR-021	*	ASTRAGAL STEEL REINFORCEMENT	1/2" X 1 1/2" (36 KSI)
27	AR-024	*	INTERLOCK STEEL REINFORCEMENT	3/8" X 1" (36 KSI)
28	HC-047	1	MORTISE LOCK HARDWARE	W/ HANDLES & KEEPER
29	*	1 x Panel	7/16" Laminated H.S. Glass	See Glazing Details
30	L-9022	*	ASTRAGAL PANEL SILL CLIP	6063-T5 ALUMINUM
31	L-9215	1	POCKET JAMB HOOK	6063-T6 ALUMINUM
32	SM-5731	*	NEUTRAL CURE SILICONE	Schnee-Morehead 5731
33	DC-899	AS REQ'D.	NEUTRAL CURE SILICONE	Dow Corning 899
34	*	*	NEUTRAL CURE SILICONE	Tremco Spectrem 2
35	HC-045	2	NYLON PLUG (.480" HOLE)	RIGID PVC
36	HC-043	2X PANEL	NYLON TOP GUIDE	RIGID PVC
37	FS-005	AS REQ'D.	FRAME ASSEMBLY SCREWS	#8 X 1/2" P.H. PHILLIPS
38	FS-013	AS REQ'D.	PANEL ASSEMBLY SCREWS	#10 X 1" P.H. PHILLIPS
39	FS-014	AS REQD.	INSTALLATION SCREWS	#12 X 1 3/4" F.H./PHIL.
40	PL 75.6020	AS REQ'D.	GLAZING SETTING BLOCK	SOFT PVC 1/8" x 1/8" x 2"L.
41	*	-	SCREEN PANEL	*
42	SM-5504	AS REQ'D.	JOINT SEALANT	Schnee-Morehead 5504
43	*	*	PERIMETER CAULKING	DSI POLYSEAMSEAL
44	*	1	PRDDUCT LABEL	*



Flexible Vinyl (FPVC) Composition - Team Plastics, Inc.		
*1. FPVC Black: Compound No. 7200-75		
PHYSICAL		ASTM NO.
Durometer Hardness "A", 10 sec	75	D-2240
Specific Gravity	1.45	D-792
Tensile Strength, PSI	1640	D-638
Ultimate Elongation, %	340.0	D-638
Modulus @ 100% Elongation, PSI	765.0	D-638
Impact Brittleness	-31.0	D-746
*2. FPVC White: Compound No. 7267-75		
PHYSICAL		ASTM NO.
Durometer Hardness "A", 10 sec	75	D-2240
Specific Gravity	1.45	D-792
Tensile Strength, PSI	1640	D-638
Ultimate Elongation, %	325.0	D-638
Modulus @ 100% Elongation, PSI	765.0	D-638
Impact Brittleness	-30.0	D-746

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON

INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

BILL OF MATERIALS, POCKET JAMB HOOK INSTALLATION DETAILS

Revision #:

12 OF 14

Sheet

19200-1201

Drawing Number:

Product Reference Number:

Revision Notes: NOA 12-0127.24 & 12-0127.06
A. Revises NOA 12-0127.24 & 12-0127.06
& to include Multi-Slide door panels w/ or
w/o pockets and to comply w/ 2010 FBC

B. Revised to comply w/ 2014 FBC

C. Revised to comply w/ 2017 FBC

D. Revised to comply w/ 2020 FBC

E. Revised to comply w/ 2023 FBC

Date Drawn: 09/25/12

Date Revised: 10/06/23

Scale:

Drawn By: N. ERAZO

Revised By: N. ERAZO

Revision Level: E

DATE: OCT 10 2023

THOMAS J. SOTOS

PROFESSIONAL ENGINEER

FL LIC. # 55225

PRODUCT REVISED

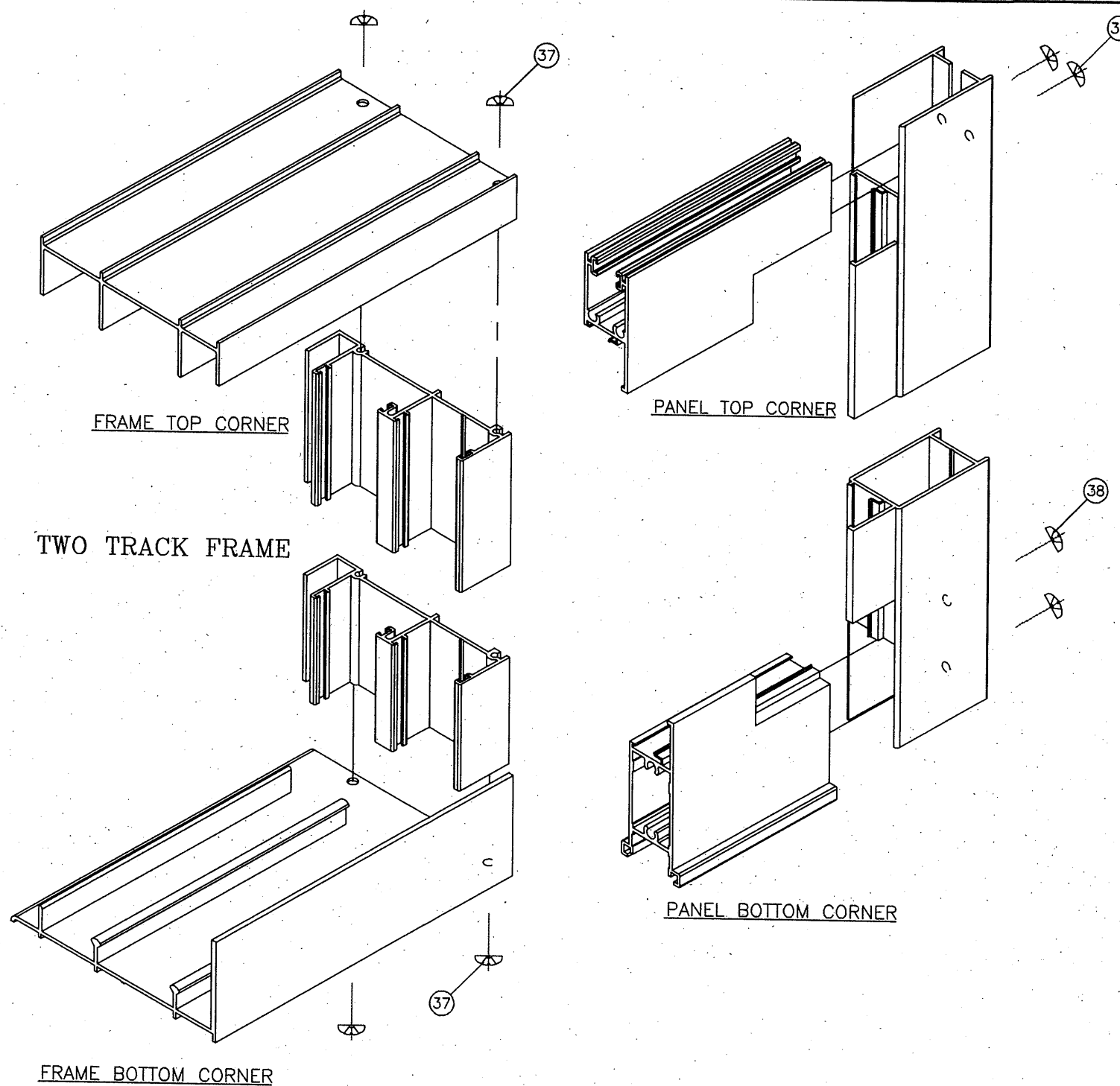
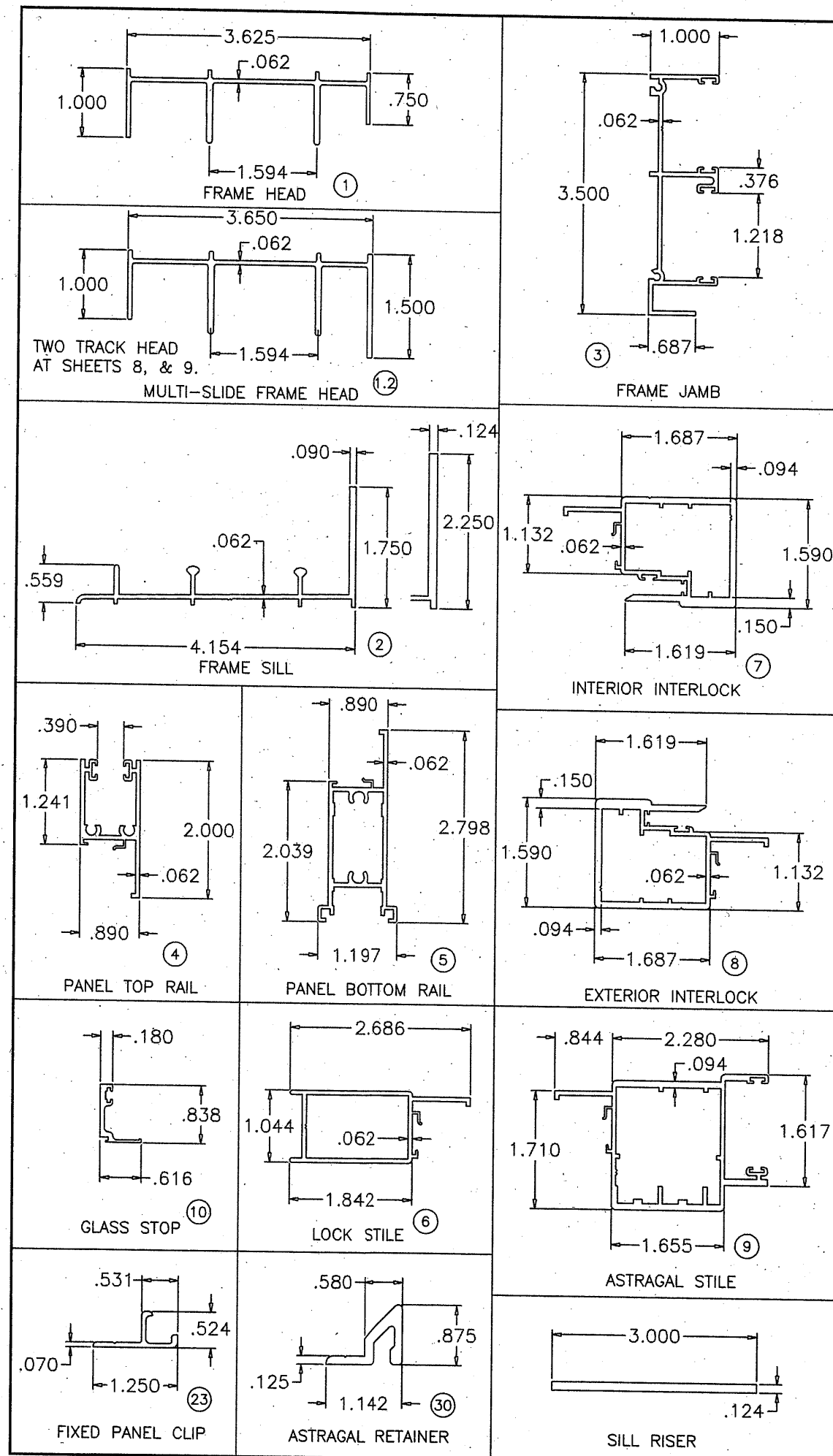
As complying with the Florida Building Code

NOA-No. 23-1012.04

Expiration Date: 02/13/2028

By: Manuel Fern

Miami-Dade Product Control



LAWSON INDUSTRIES, INC.

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

EXTRUSION DETAILS & FRAME AND PANEL CORNER ASSEMBLY DETAILS

Product Reference Number: L9200-1201

Sheet: 13 OF 14

Revision #:

Revision Notes:

- A. Revises NOA 12-0127/24 & 12-0127/06 & to include Multi-Slide door panels w/ or w/o pockets and to comply w/ 2010 FBC
- B. Revised to comply w/ 2014 FBC
- C. Revised to comply w/ 2017 FBC
- D. Revised to comply w/ 2020 FBC
- E. Revised to comply w/ 2023 FBC

Drawn By: N. ERAZO **Date Drawn:** 09/25/12

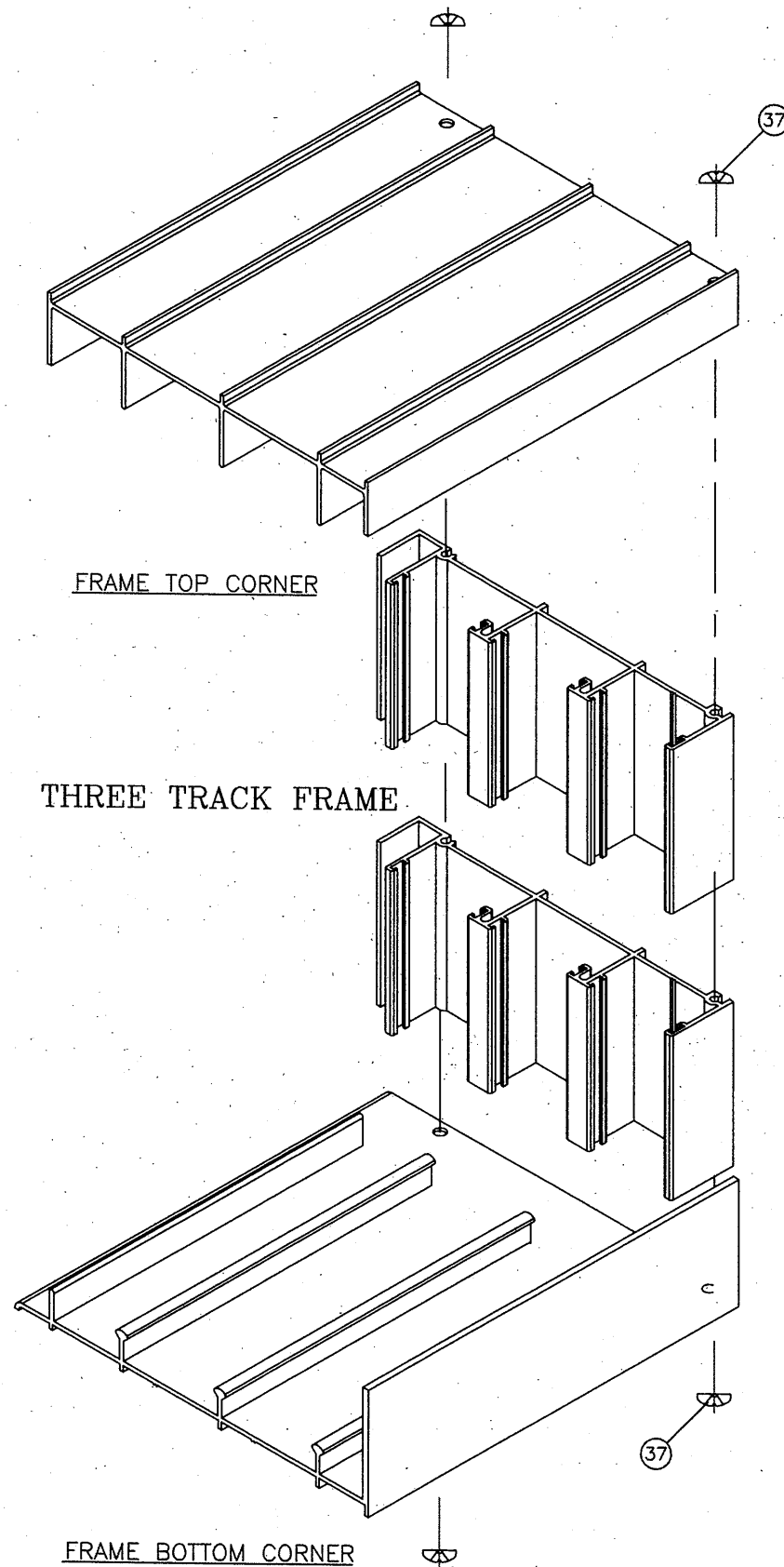
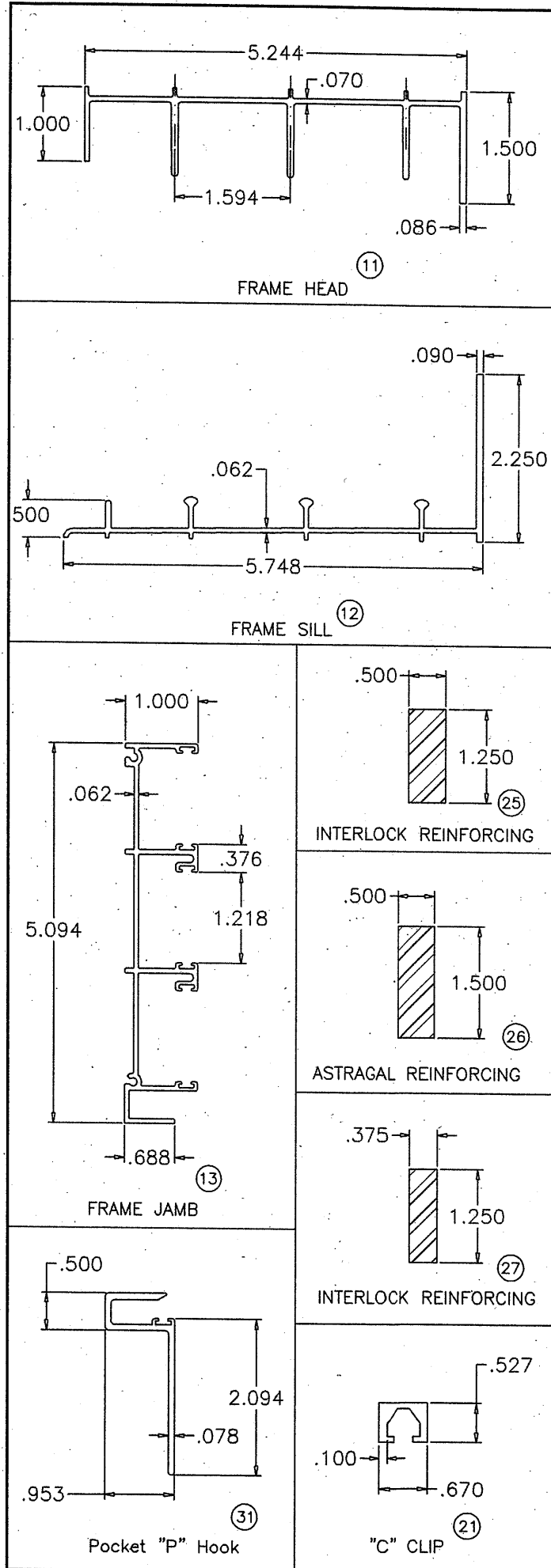
Revised By: N. ERAZO **Date Revised:** 10/06/23

Revision Level: E **Scale:**

PRODUCT REVISED
As complying with the Florida Building Code
NOA No. **23-1012.04**
Expiration Date: **02/13/2028**
By: *Manuel Fern*
Miami-Dade Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

DATE: **OCT 11 2023**



PRODUCT REVISED
 As complying with the Florida Building Code
 NOA-No. **23-1012.04**
 Expiration Date: **02/13/2028**
 By: *Manuel Fern*
 Miami-Dade Product Control

THOMAS J. SOTOS
 PROFESSIONAL ENGINEER
 FL. LIC. # 55225

DATE: *Oct 10 2023*

Professional Engineer Seal:
 THOMAS J. SOTOS
 FLORIDA
 PROFESSIONAL ENGINEER
 LICENSE NO. 55225
 EXPIRATION DATE 02/13/2028

LAWSON INDUSTRIES, INC.

8501 N.W. 90 ST.
 MEDLEY, FLORIDA 33166
 PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
 SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)
 EXTRUSION DETAILS, REINFORCEMENTS & FRAME CORNER ASSEMBLY DETAILS

Revision Notes: A. Revises NOA 12-0127.24 & 12-0127.06 & to include Multi-Slide door panels w/ or w/o pockets and to comply w/ 2010 FBC		
B. Revised to comply w/ 2014 FBC		
C. Revised to comply w/ 2017 FBC		
D. Revised to comply w/ 2020 FBC		
E. Revised to comply w/ 2023 FBC		
Drawn By: N. ERAZO	Date Drawn: 08/25/12	
Revised By: N. ERAZO	Date Revised: 10/06/23	
Revision Level: E	Scale:	