



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

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

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 "SDG-9200" Aluminum Sliding Glass Door (Steel reinforced)- L.M.I.

APPROVAL DOCUMENT: Drawing No. **L9200-1201 Rev D**, titled "Series SGD-9200 Aluminum Sliding Glass Door (LMI)", sheets 01 through 14 of 14, prepared by manufacture, dated 09/25/12 and last revised on AUG 03, 2020, signed and sealed by Thomas J. Soto, P. E., bearing the Miami-Dade County Product Control Section Renewal 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

1. See Design Pressure (DP) Vs door size, glass type, reinforcements, sill type and configuration in sheets 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, 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 **renews NOA #20-0901.06** 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 **Ishaq I. Chanda, P. E.**



Ishaq I. Chanda

NOA No. 23-0119.03
Expiration Date: February 13, 2028
Approval Date: February 09, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 12-1204.12)
2. Drawing No. **L9200-1201**, titled "Series SGD-9200 Aluminum Sliding Glass Door (LMI)", sheets 01 through 14 of 14, prepared by manufacture, dated 09/25/12, with the latest revision "**B**", dated 04/15/15, signed and sealed by Thomas J. Soto, P. E.

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 SGD, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s **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 previous 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.'s **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 previous 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 previous NOA No. 12-1204.12)
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.'s **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 previous NOA No. 12-1204.12)

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 23-0119.03
Expiration Date: February 13, 2028
Approval Date: February 09, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

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, TAS 202-94 and per ASTM F 842-04
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 previous 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, TAS 202-94 and per ASTM F 842-04
along with marked-up drawings and installation diagram of an Aluminum Sliding Glass Door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **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 previous NOA No. 02-1126.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by manufacture, dated 04/28/15, signed and sealed by Thomas J. Soto, P. E.
2. **Glazing complies with ASTM E1300-04/ 09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Kuraray PVB Glass Interlayer**", expiring on 12/11/16.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® Interlayer**", expiring on 01/14/17.
3. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 06/19/14, expiring on 12/11/18.

. Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 23-0119.03
Expiration Date: February 13, 2028
Approval Date: February 09, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. MATERIAL CERTIFICATIONS

4. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their **“Kuraray PVB Glass Interlayer”**, expiring on 12/11/16.
5. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their **“Kuraray SentryGlas® Interlayer”**, expiring on 01/14/17.
6. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their **“Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core”** dated 06/19/14, expiring on 12/11/18.
7. Notice of Acceptance No. **14-0423.16** issued to **Eastman Chemical Company (MA)** for their **“Saflex HP Clear or Color Glass Interlayers”** dated 06/19/14, expiring on 04/14/18.
8. Notice of Acceptance No. **14-0423.17** issued to **Eastman Chemical Company (MA)** for their **“Saflex Clear and Color Glass Interlayers”** dated 06/19/14, expiring on 05/21/16.
9. Technical data sheet of flexible vinyl compound FPVC 7267-75 (White) & FPVC 7200-75 (Black), published by Team Plastics. Inc./ Bayshore Vinyl Compounds, Inc.

G. STATEMENTS

1. Statement letter of conformance to and complying with **FBC 5th Edition (2014)**, issued by manufacturer, dated 09/02/14, signed and sealed by Thomas J. Sotos, P. E.
2. Statement letters of no financial interest, independence, conformance and complying with **FBC-2010**, issued by manufacture, dated 12/03/12, signed and sealed by Thomas J. Soto, P. E. *(Submitted under previous NOA No. 12-1204.12)*
3. Laboratory compliance letters for Test Reports No.'s **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, all issued by Hurricane Engineering & Testing, Inc., all signed and sealed by Rafael E. Droz-Seda, P. E. *(Submitted under previous NOA No. 12-1204.12)*
Laboratory addendum letter for Test Reports No.'s **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.

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 23-0119.03
Expiration Date: February 13, 2028
Approval Date: February 09, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

4. Laboratory addendum letter for Test Reports No.'s **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 previous NOA No. 12-1204.12)*
5. Proposal issued by Product Control, dated 03/30/12, signed by Jaime D. Gascon, P. E.
6. Proposal issued by Product Control, dated 03/13/08, signed by Ishaq Chanda, P. E. *(Submitted under previous NOA No. 11-0518.03)*
7. Laboratory compliance letters issued by Fenestration Testing Laboratory, Inc., for Test Reports No.'s **FTL-3078**, dated 01/10/02, signed and sealed by Luis Figueredo, P.E. *(Submitted under previous NOA No. 02-1126.04)*
8. Laboratory compliance letters issued by Fenestration Testing Laboratory, Inc., for Test Reports No.'s **FTL-3525 and FTL-3572**, dated 09/09/02, both signed and sealed by Joseph C. Chan, P. E. *(Submitted under previous NOA No. 02-1126.04)*
9. Laboratory compliance letters issued by Fenestration Testing Laboratory, Inc., for Test Reports No.'s **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 previous NOA No. 02-1126.04)*

G. OTHERS

1. Notice of Acceptance No. **12-1204.12**, issued to Lawson Industries, Inc. for their Series **"SGD-9200 Aluminum Sliding Glass Door – L.M.I."**, approved on 01/31/13 and expiring on 02/13/18.

2. Evidence submitted under previous approval.

A. DRAWINGS

1. Drawing No. **L9200-1201 Rev C**, titled "Series SGD-9200 Aluminum Sliding Glass Door (LMI)", sheets 01 through 14 of 14, prepared by manufacture, dated 09/25/12 and last revised on NOV 21, 2017, signed and sealed by Thomas J. Soto, P. E.
Note: This revision consists of editorial changes of FBC 2017 (6th Edition) code compliance.

B. Test

1. None.

C. CALCULATIONS

1. None

D. QUALITY ASSURANCE

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

— Ishaq I. Chanda

Ishaq I. Chanda, P. E.

Product Control Unit Supervisor

NOA No. 23-0119.03

Expiration Date: February 13, 2028

Approval Date: February 09, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to Kuraray America, Inc. (Former E.I. DuPont DE Nemours) for the “**Sentry Glass ® clear & white interlayer**”, expiring on 07/04/18.
2. Notice of Acceptance No. **16-1117.01** issued to Kuraray America, Inc. for their “**Trosifol ® Ultraclear, Clear and Color PVB Glass Interlayers**”, expiring on 07/08/19.
3. Notice of Acceptance No. **15-1201.11** issued to **Eastman Chemical Company (MA)** (former Solutia, Inc.) for the “**Saflex: Saflex Clear & Color glass interlayer**”, expiring on 05/21/21.

F. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition) and “No financial interest” dated 11/17/17, prepared by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.

G. OTHER

1. This NOA **revises & renews#14-0908.02**, expiring 02/13/23.

3. Evidence submitted under previous approval.

A. DRAWINGS

1. Drawing No. **L9200-1201 Rev D**, titled “Series SGD-9200 Aluminum Sliding Glass Door (LMI)”, sheets 01 through 14 of 14, prepared by manufacture, dated 09/25/12 and last revised on DEC 03, 2020, signed and sealed by Thomas J. Soto, P. E.

Note: This revision consists of editorial changes of FBC 2020 (7th Edition) code compliance.

B. Test

1. None.

C. CALCULATIONS

1. None

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**”, 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**”, expiring on 07/08/24.
3. Notice of Acceptance No. **15-1201.11** issued to **Eastman Chemical Company (MA)** (former Solutia, Inc.) for the “**Saflex: Saflex Clear & Color glass interlayer**”, expiring on 05/21/21.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition) and “No financial interest” dated 08/03/20, prepared by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.

G. OTHER

1. This NOA **revises #17-1212.05** and updates to FBC 2020, expiring 02/13/23.

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 23-0119.03
Expiration Date: February 13, 2028
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. New Evidence submitted.

A. DRAWINGS

1. Drawing No. **L9200-1201 Rev D**, titled “Series SGD-9200 Aluminum Sliding Glass Door (LMI)”, sheets 01 through 14 of 14, prepared by manufacture, dated 09/25/12 and last revised on DEC 03, 2020, signed and sealed by Thomas J. Soto, P. E.

Note: This renewal is FBC 2020 (7th Edition) code compliance.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**”, 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**”, expiring on 07/08/24.
3. Notice of Acceptance No. **21-0216.01** issued to **Eastman Chemical Company (MA)** (former Solutia, Inc.) for the “**Saflex: Saflex Clear & Color glass interlayer**”, expiring on 05/21/26.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition) dated 01/13/23, prepared by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
2. Statement letter dated January 13, 2023, issued by Lawson Industries, Inc., requesting renewal with no change and existing NOA Drawing is without change and in compliance with FBC 2020 (7th Edition), signed by Nelson Erazo, Senior Design Engineer.

G. OTHER

1. This NOA **renews NOA #20-0901.06**, expiring 02/13/28.

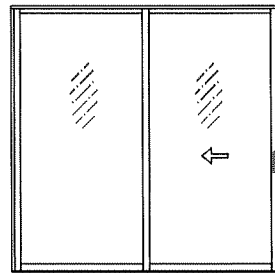
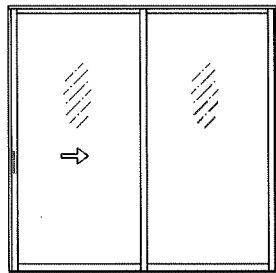
Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 23-0119.03
Expiration Date: February 13, 2028
Approval Date: February 09, 2023



| 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 |



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.:

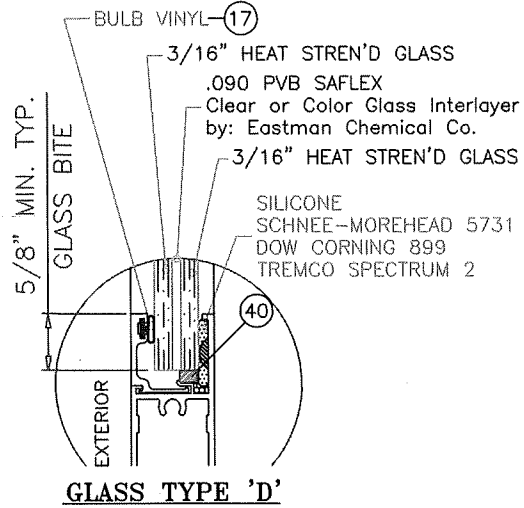
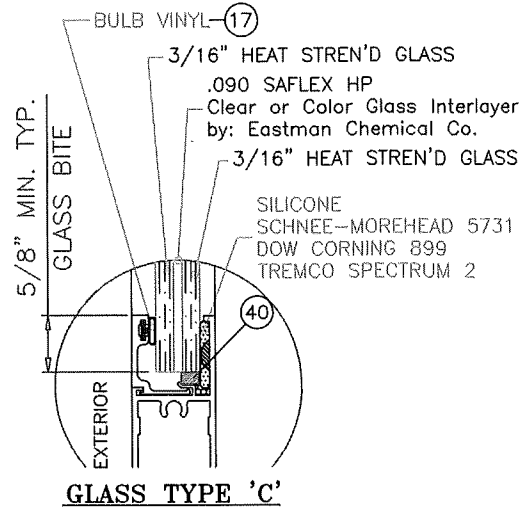
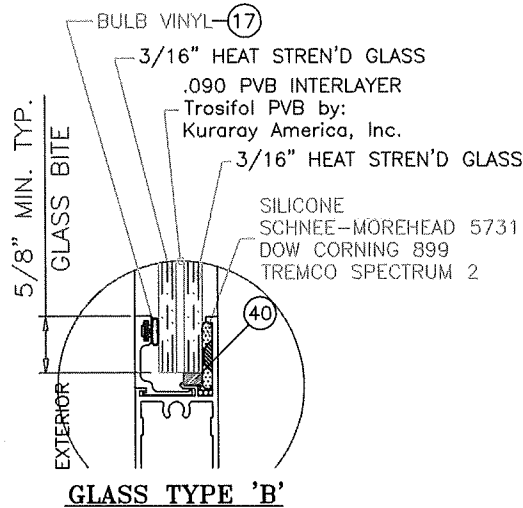
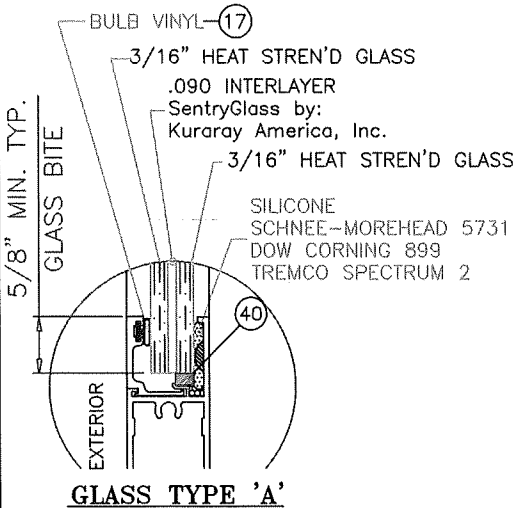
6/0 X 6/8 = 32-3/4" X 74-3/4"

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

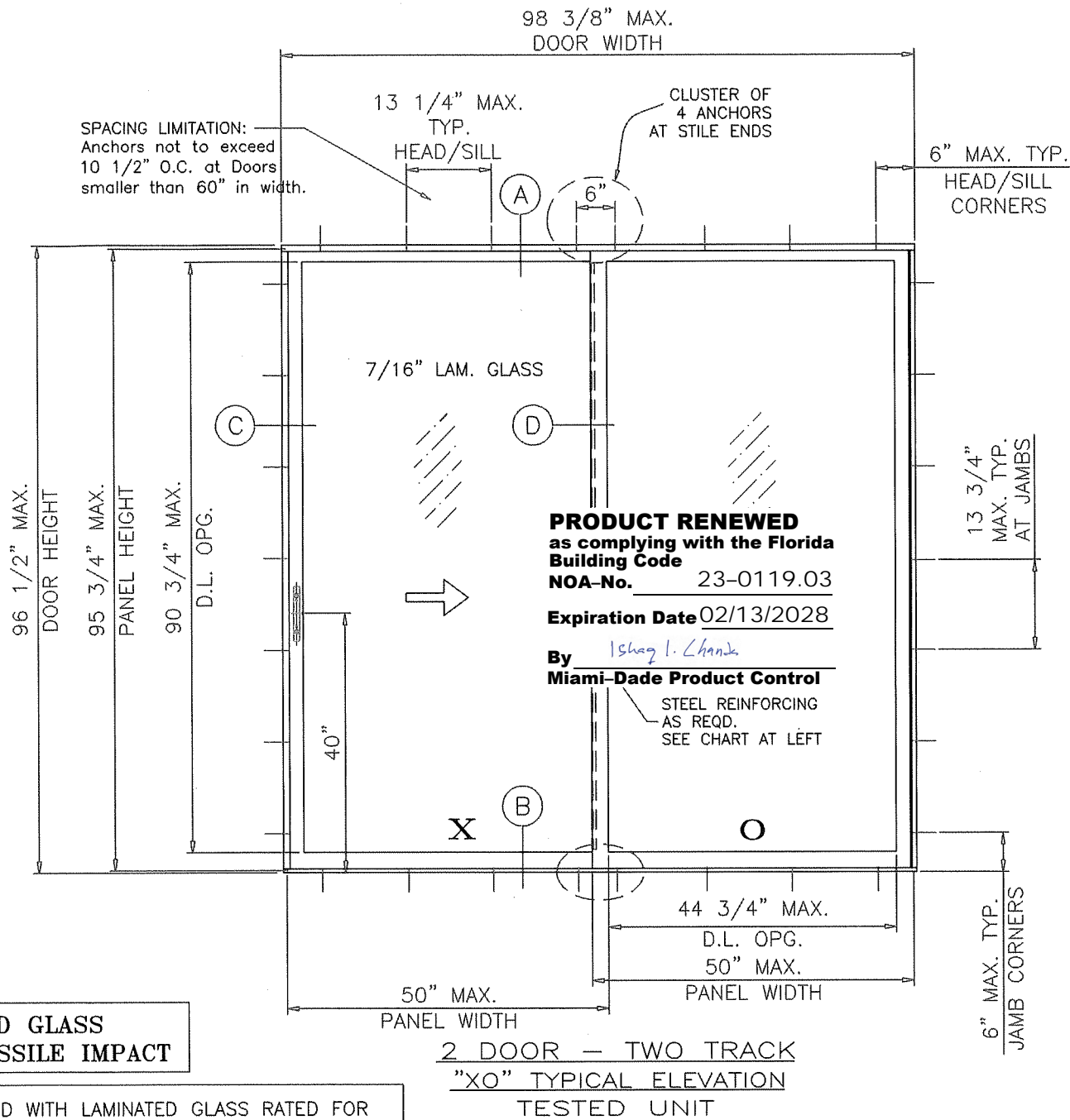
8/0 X 8/0 = 44-3/4" X 90-3/4"

**LAMINATED GLASS
LARGE MISSILE IMPACT**

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



GLAZING DETAILS



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0901.06

Expiration Date 02/13/2023

By Ishag I. Chande
Miami-Dade Product Control

LAWSON
INDUSTRIES, INC.

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

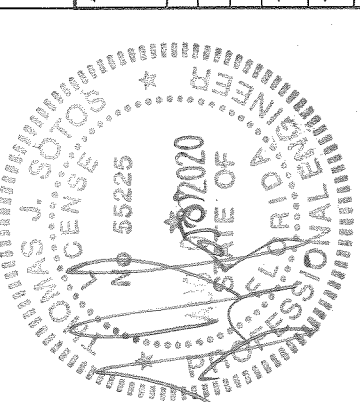
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

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

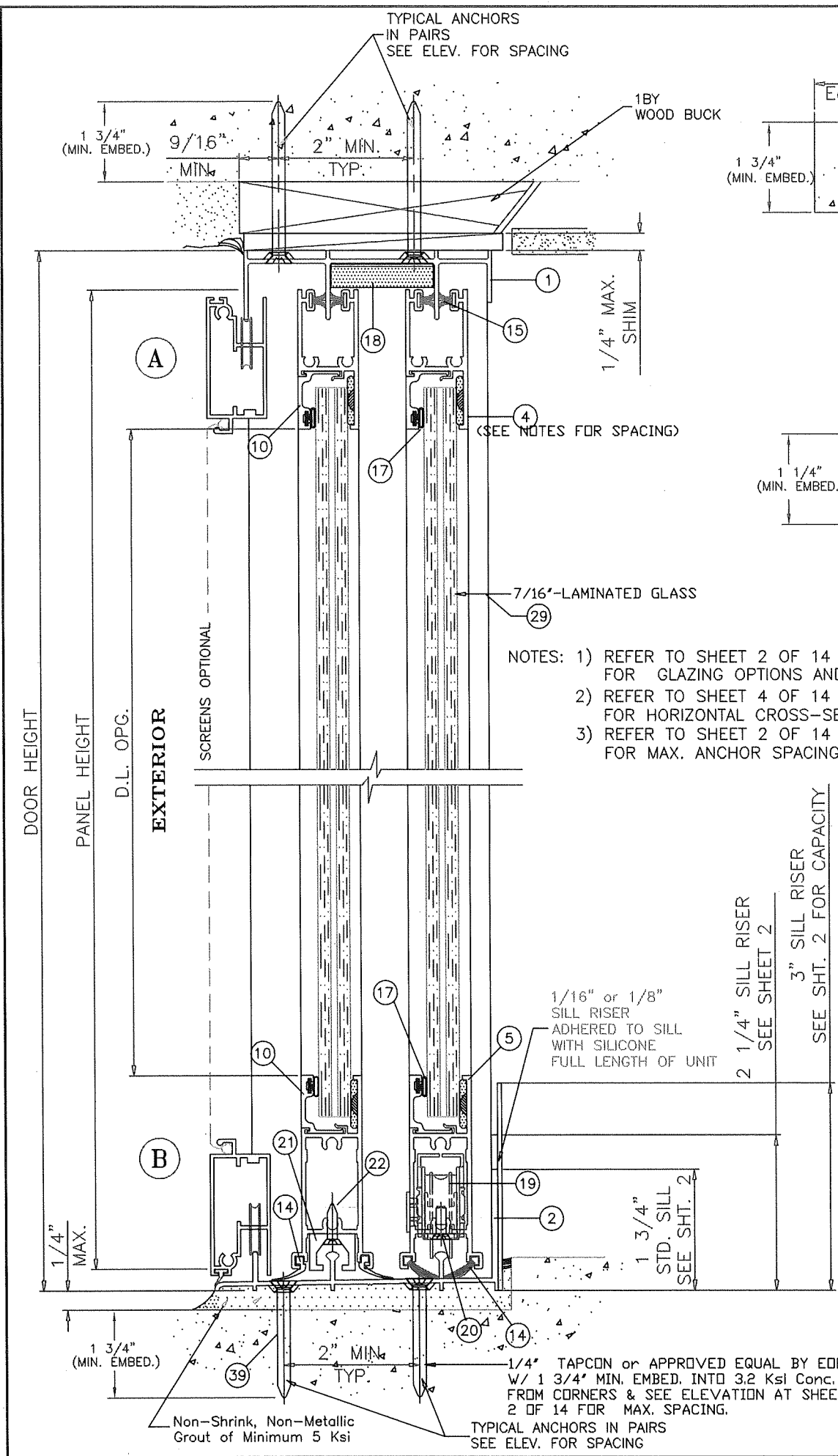
APPROVED ELEVATIONS, GENERAL NOTES, GLAZING DETAILS & DP LOAD CHARTS

| | |
|---|-------------------------------|
| Revisions 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 | Revised to comply w/ 2014 FBC |
| B. Revises to comply w/ 2014 FBC | Revised to comply w/ 2017 FBC |
| C. Revises to comply w/ 2017 FBC | Revised to comply w/ 2020 FBC |
| D. Revises to comply w/ 2020 FBC | |
| Drawn By: N. ERAZO | Date Drawn: 08/25/12 |
| Revised By: N. ERAZO | Date Revised: 08/17/20 |
| Revision Level: D | Scale: |

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



DATE:



- 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.

PRODUCT REVISED
 as complying with the Florida Building Code
NOA-No. 20-0901.06
Expiration Date 02/13/2023

By Ishag I. Chank
Miami-Dade Product Control

PRODUCT RENEWED
 as complying with the Florida Building Code
NOA-No. 23-0119.03
Expiration Date 02/13/2028

By Ishag I. Chank
Miami-Dade Product Control

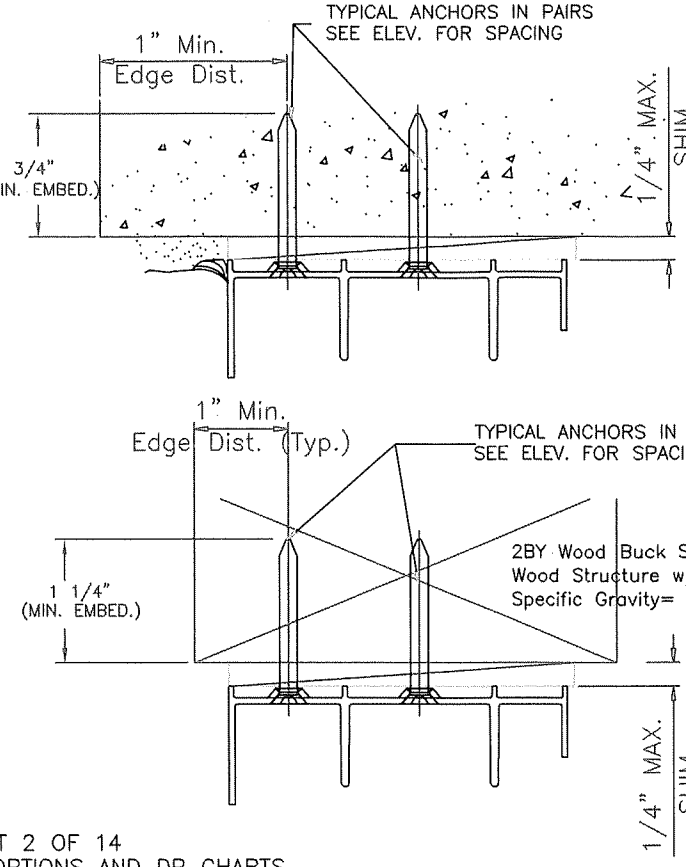
2 1/4" SILL RISER SEE SHT. 2
 3" SILL RISER SEE SHT. 2 FOR CAPACITY

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

1/4" TAPCON or APPROVED EQUAL BY EDR 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

1 3/4" STD. SILL SEE SHT. 2



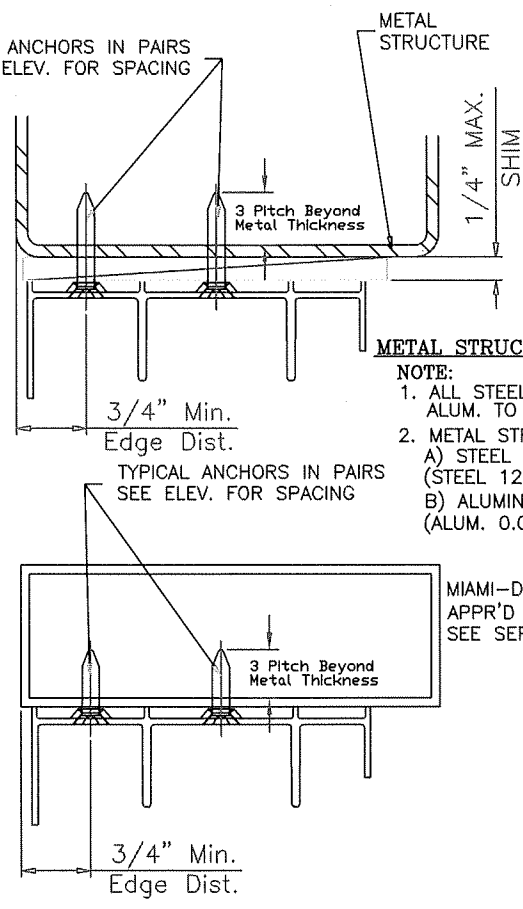
WOOD BUCKS AND METAL STRUCTURES NOT BY LAWSON IND. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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.



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

THOMAS J. SOTOS
 PROFESSIONAL ENGINEER
 FL LIC. # 55225



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.)

2 TRACK VERTICAL CROSS SECTIONS, DETAILS & ANCHOR NOTES

| | | | | | | | |
|-----------------|---|----------------------------------|----------------------------------|----------------------------------|----------------------|------------------------|----------|
| 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 | Date Drawn: 09/25/12 | Date Revised: 08/17/20 | Scale: D |
| Drawn By: | N. ERAZO | | | | | | |
| Revised By: | N. ERAZO | | | | | | |
| Revision Level: | D | | | | | | |

DATE:

Product Reference Number: L9200-1102

Sheet: 3 OF 14

Revision #:

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING

1/4" MAX.
SHIM

1/4" MAX.
SHIM

METAL
STRUCTURE

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)

3 Pitch Beyond
Metal Thickness

1 3/4"
(MIN. EMBED.)

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING

1/4" MAX.
SHIM

2BY WOOD BUCK
OR
WOOD STRUCTURE

1 1/4"
(MIN. EMBED.)

PANEL WIDTH

D.L. OPG.

SCREENS OPTL.

NOT REQD. ON
6/0 X 6/8 SIZES
SEE CHART ON SHEET 2 OF 14

EXTERIOR

2D/2T - XO (Shown)
2D/2T - OX (Reversed)

DOOR WIDTH

- 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.

1/4" SHIM
MAX.

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING

1 9/16" MIN.
TYP.

1 3/4"
(MIN. EMBED.)

1BY P.T.
WOOD BUCK

PRODUCT RENEWED
as complying with the Florida
Building Code

NOA-No. 23-0119.03

Expiration Date 02/13/2028

By Ishag I. Chande
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 20-0901.06

Expiration Date 02/13/2023

By Ishag I. Chande
Miami-Dade Product Control

LAWSON
INDUSTRIES, INC.

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

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

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

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

Revised By: N. ERAZO Date Revised: 08/17/20

Revision Level: D Scale: 1/8" = 1'-0"

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



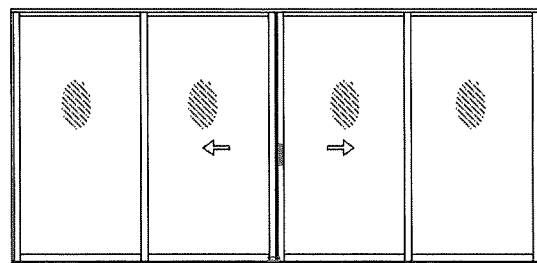
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Product Reference Number: L9200-1201

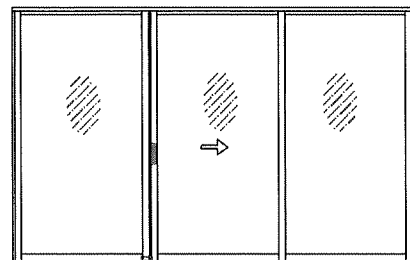
Drawing Number:

Sheet: 4 OF 14

Revision #:



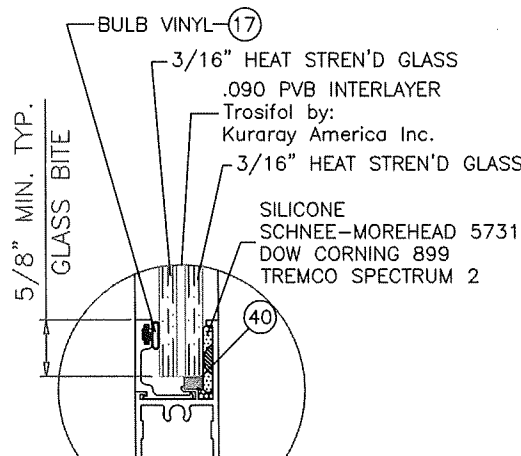
OXXO



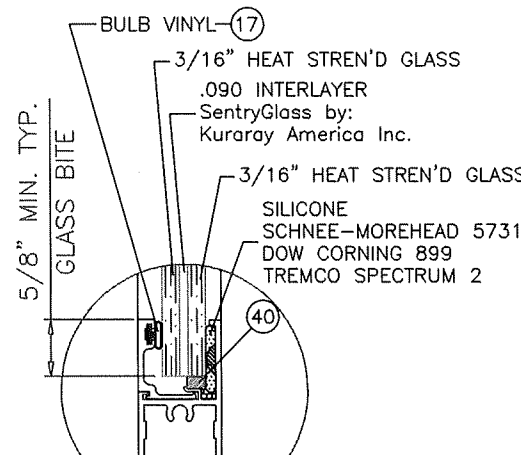
OXO

APPROVED CONFIGURATIONS

(FOR PANEL STACK CONFIGURATIONS SEE SHEET 1.)

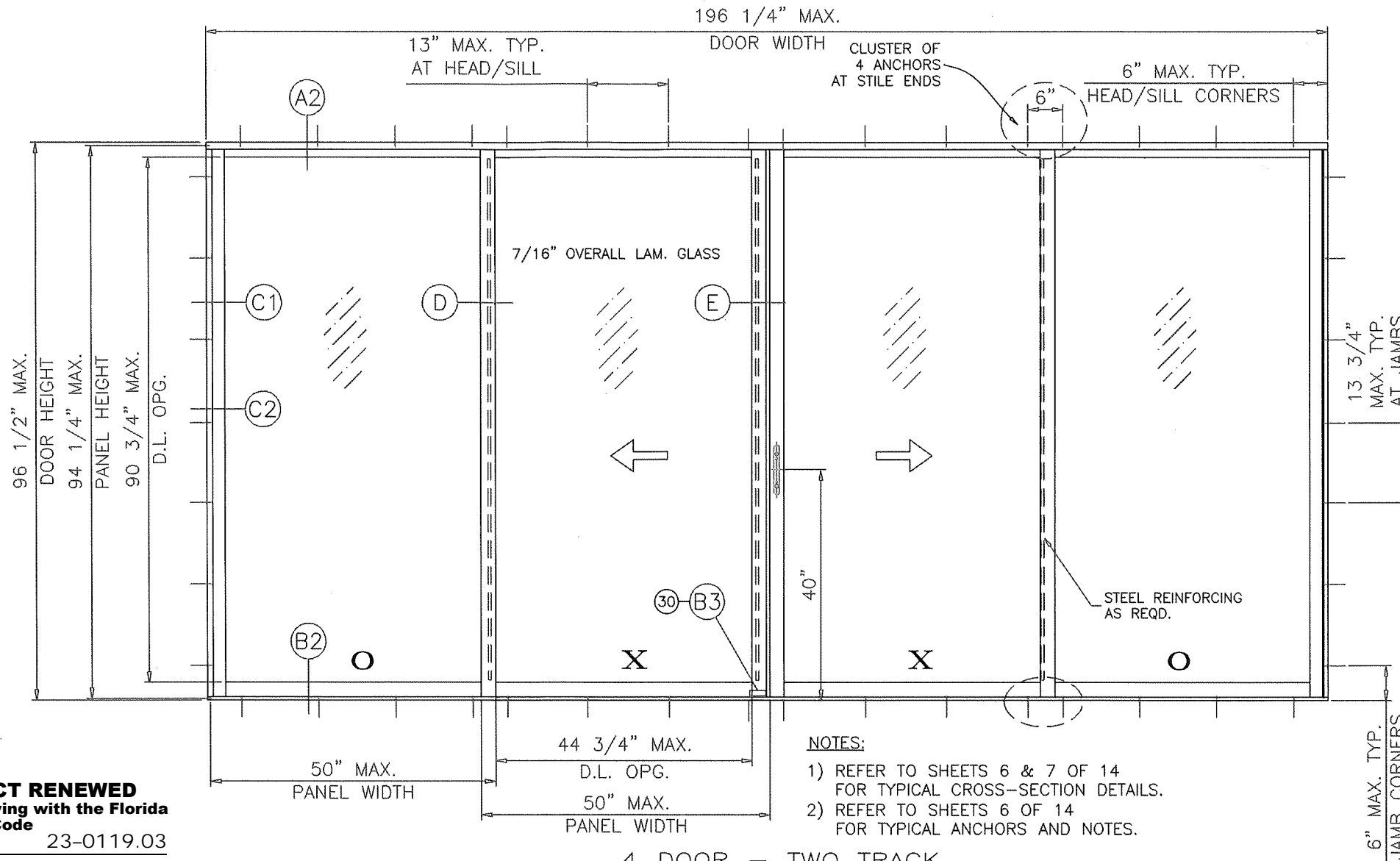


GLASS TYPE 'B'



GLASS TYPE 'A'

GLAZING DETAILS



NOTES:

- 1) REFER TO SHEETS 6 & 7 OF 14 FOR TYPICAL CROSS-SECTION DETAILS.
- 2) REFER TO SHEETS 6 OF 14 FOR TYPICAL ANCHORS AND NOTES.

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.

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 23-0119.03
Expiration Date 02/13/2028
By Ishag I. Chande
Miami-Dade Product Control

| 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 |

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0901.06
Expiration Date 02/13/2023
By Ishag I. Chande
Miami-Dade Product Control

PANEL MAX. D.L.O.:
3/0 X 6/8 = 32-3/4" X 74-3/4"
4/0 X 6/8 = 44-3/4" X 74-3/4"
4/11 X 6/8 = 55-3/4" X 74-3/4"
3/0 X 8/0 = 32-3/4" X 90-3/4"
4/0 X 8/0 = 44-3/4" X 90-3/4"

LAWSON
INDUSTRIES, INC.

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

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

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

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

| | | |
|--|-------------------------------|---------------------------|
| 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 | Revised to comply w/ 2014 FBC | Date Drawn: 09/25/12 |
| B. Revised to comply w/ 2017 FBC | Revised to comply w/ 2017 FBC | Date Revised: 08/17/20 |
| C. Revised to comply w/ 2020 FBC | Revised to comply w/ 2020 FBC | Scale: D |
| Drawn By: N. ERAZO | Revised By: N. ERAZO | Revision Level: D |

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

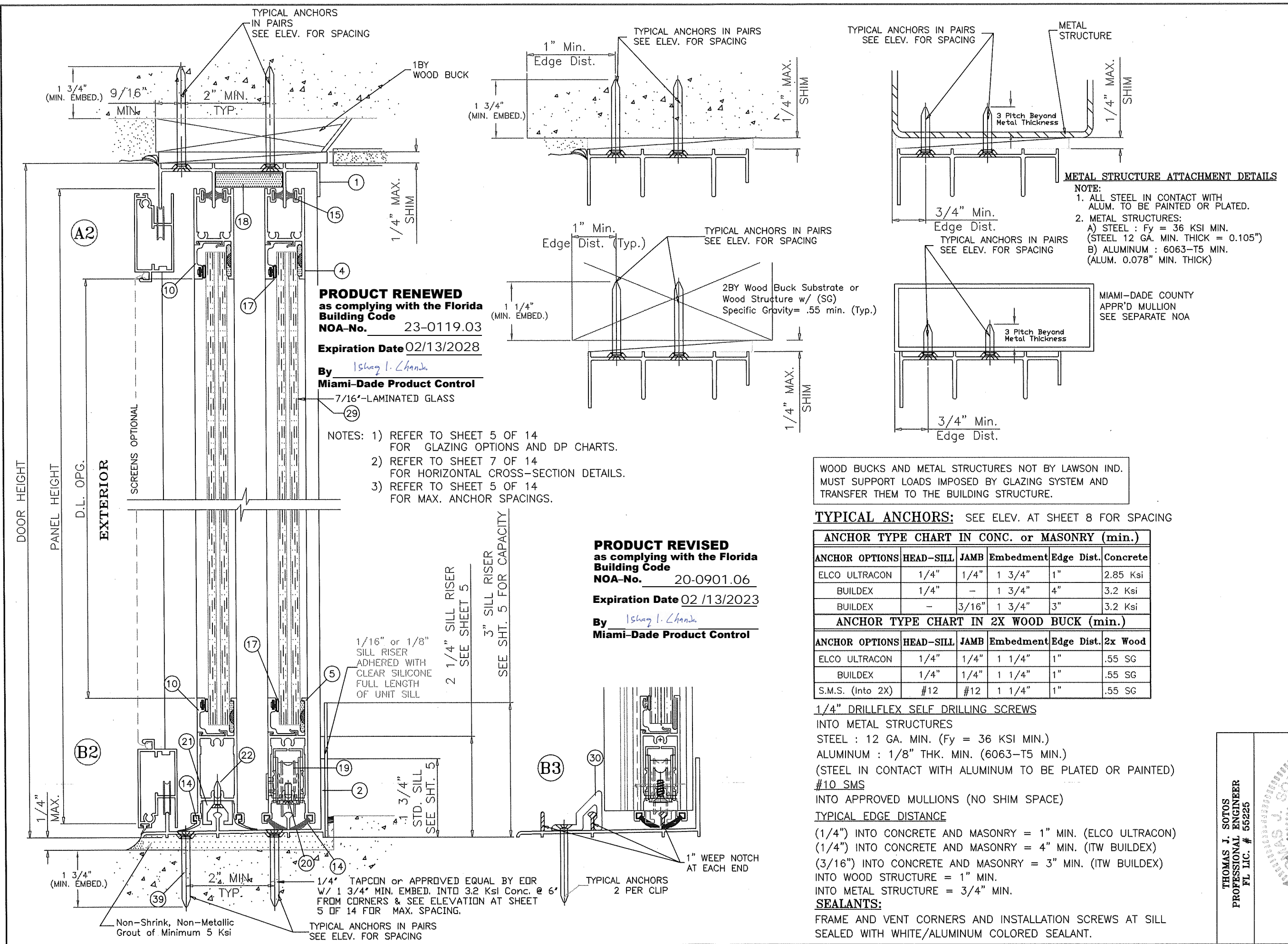


DATE: _____

Product Reference Number: L9200-1201

Drawing Number: 5 OF 14

Revision #:



PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 23-0119.03

Expiration Date 02/13/2028

By *Ishaq I. Chande*
Miami-Dade Product Control

- 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. 20-0901.06

Expiration Date 02/13/2023

By *Ishaq I. Chande*
Miami-Dade Product Control

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)
#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.

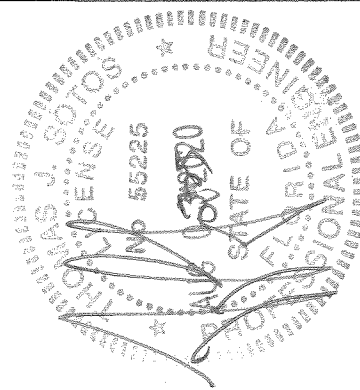
LAWSON
INDUSTRIES, INC.

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 TRACK VERTICAL CROSS SECTIONS, DETAILS & ANCHOR NOTES

| | | | |
|--|----------------------------------|----------------------------------|----------------------------------|
| 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 |
| Drawn By: N. ERAZO | Date Drawn: 09/25/12 | Revised By: N. ERAZO | Date Revised: 08/17/20 |
| Revision Level: D | Scale: | | |

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

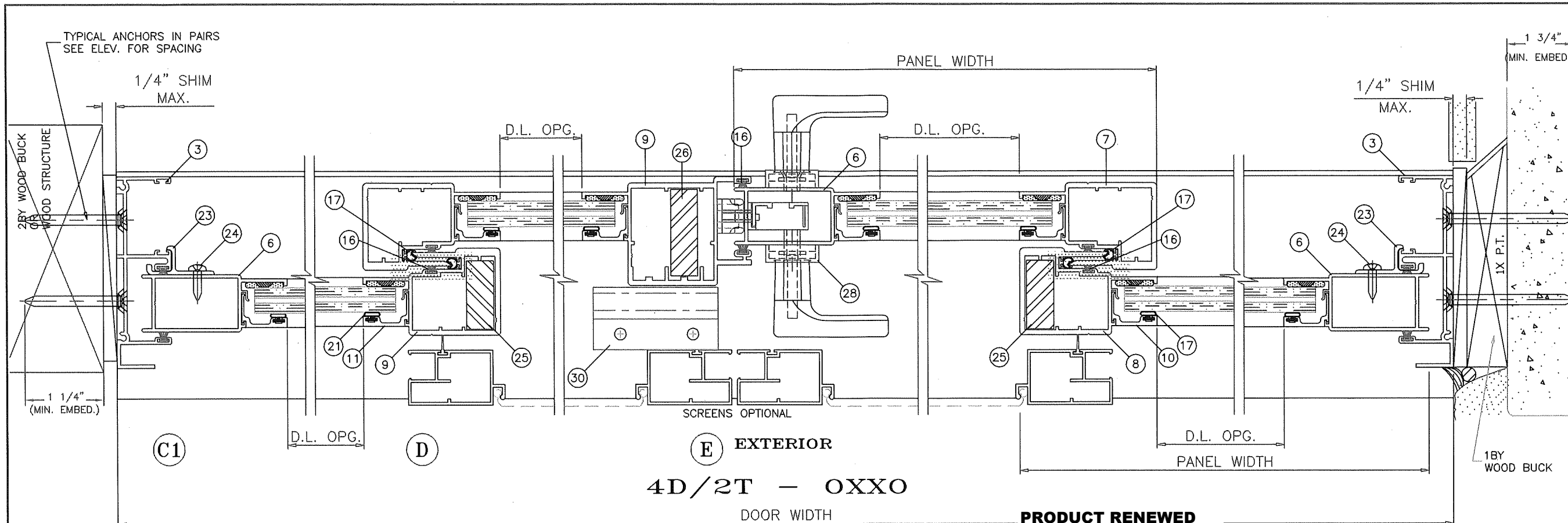


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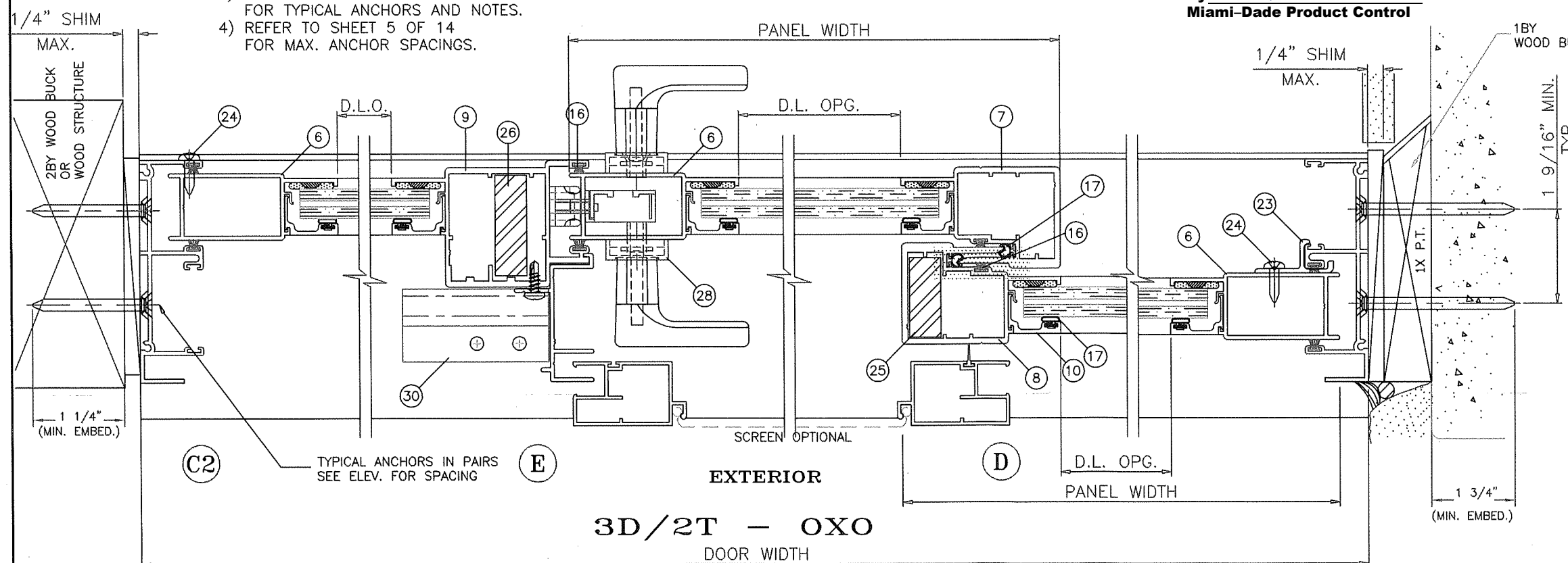
Product Reference Number: L9200-1101

Sheet: 6 OF 14

Revision #:



- 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.

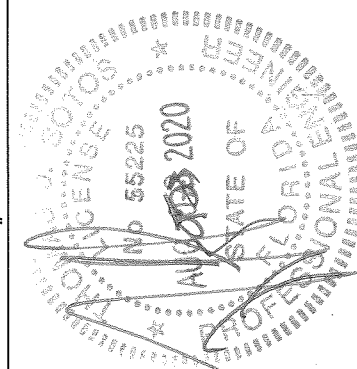


PRODUCT RENEWED
 as complying with the Florida
 Building Code
 NOA-No. 23-0119.03
 Expiration Date 02/13/2028
 By Ishag I. Chande
 Miami-Dade Product Control

PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 20-0901.06
 Expiration Date 02/13/2023
 By Ishag I. Chande
 Miami-Dade Product Control

| | | | |
|-----------------|--|---------------|----------|
| 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 | | |
| Drawn By: | N. ERAZO | Date Drawn: | 09/25/12 |
| Revised By: | N. ERAZO | Date Revised: | 08/17/20 |
| Revision Level: | D | Scale: | |

THOMAS J. SOTOS
 PROFESSIONAL ENGINEER
 FL LIC. # 55225



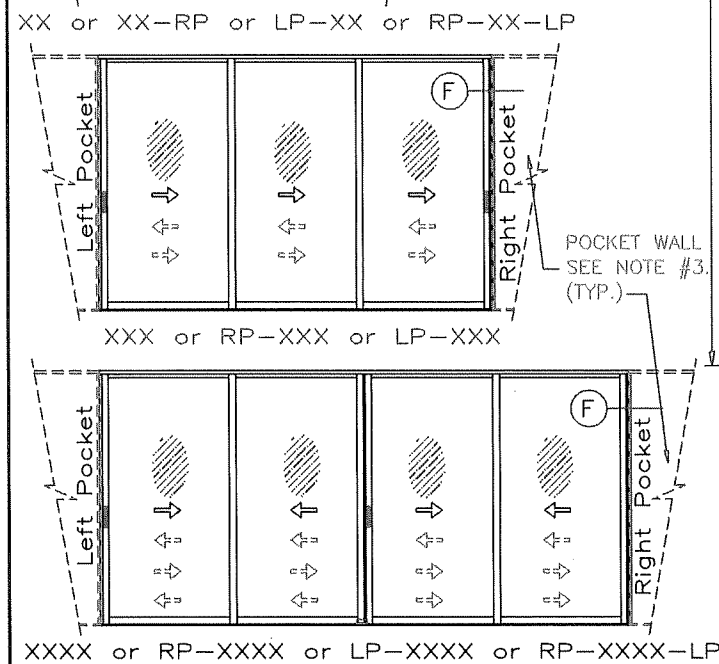
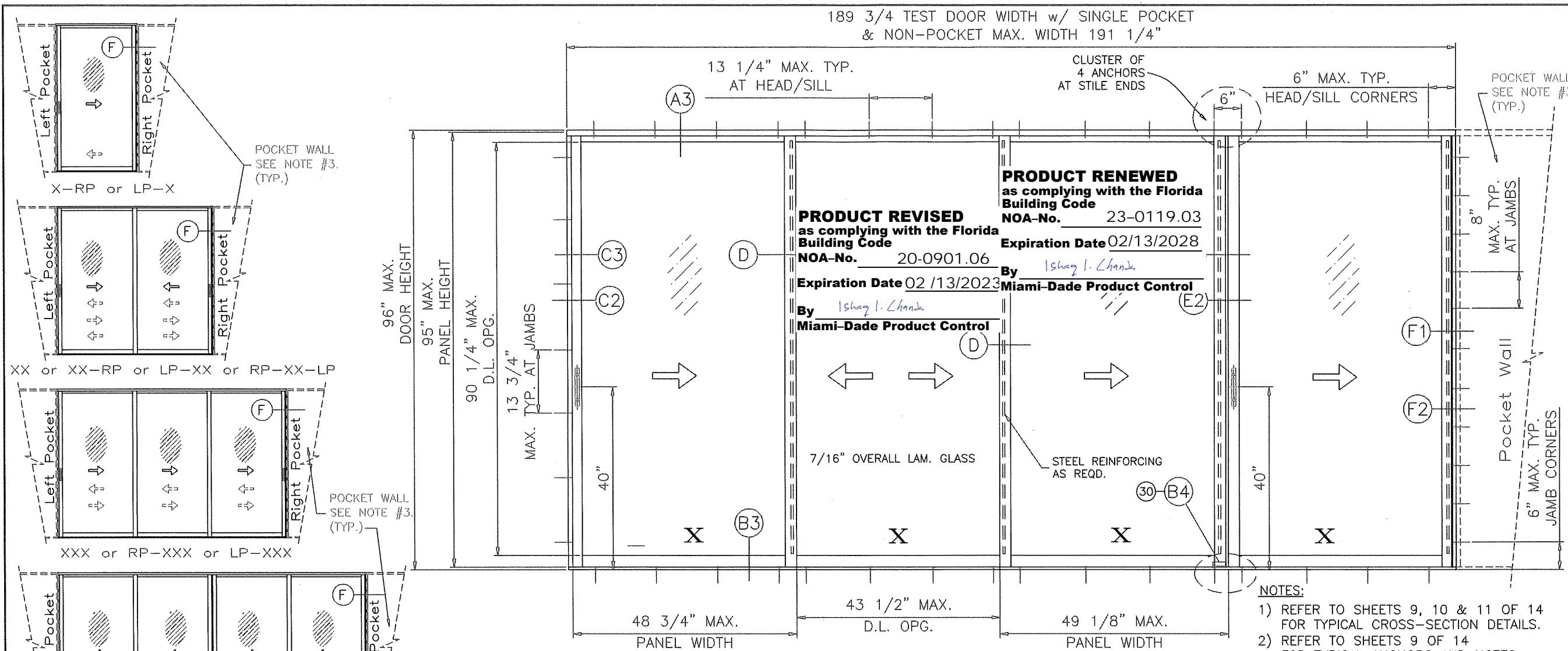
DATE:

LAWSON
 INDUSTRIES, INC.

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

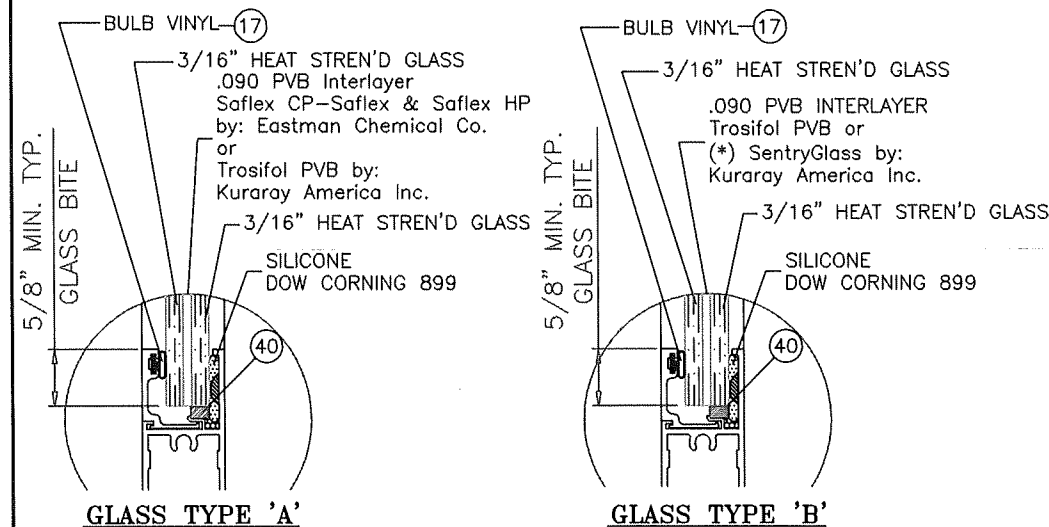
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
 SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)
 THREE DOOR AND FOUR DOOR HORIZONTAL CROSS SECTIONS & NOTES

Product Reference Number: L9200-1201
 Drawing Number: 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"

4 DOOR - THREE TRACK "XXXX" TYPICAL ELEVATION TESTED UNIT

- 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.

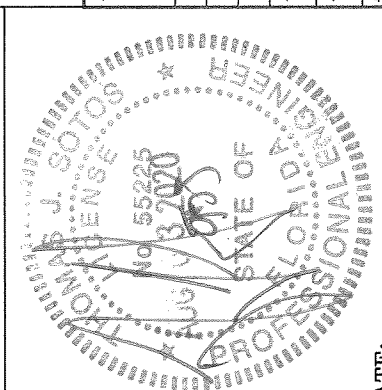
| NOMINAL DOOR SIZES WIDTH FT./IN. | HEIGHT FT./IN. | DP CAPACITY - PSF (2 1/4" SILL) | | | | DP CAPACITY - PSF (3" SILL) | | | |
|--|-------------------|---------------------------------|----------|----------------|----------|-----------------------------|----------|----------------|----------|
| | | 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/ "Dupont 0.090" SGP Laminate

LAMINATED GLASS LARGE MISSILE IMPACT

| | | | |
|--|----------------------------------|--------------------------------------|------------------------|
| 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 | |
| Drawn By: N. ERAZO | Date Drawn: 09/25/12 | Revised By: N. ERAZO | Date Revised: 08/17/20 |
| Revision Level: D | Scale: D | Product Reference Number: L9200-1201 | Sheet: 8 OF 14 |

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



DATE: _____

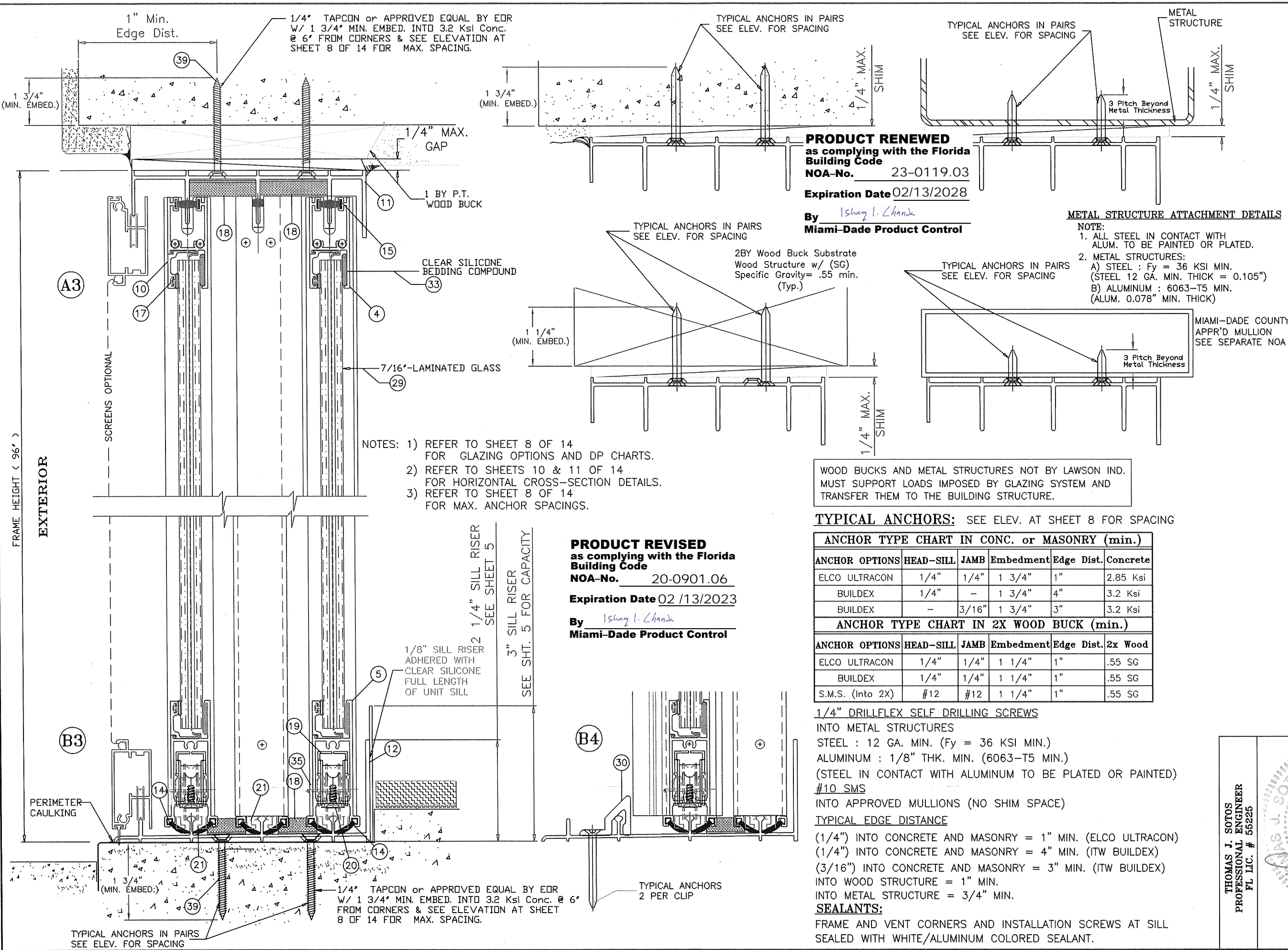
LAWSON
INDUSTRIES, INC.

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

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

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

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



PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 23-0119.03
Expiration Date 02/13/2028
By Ishag I. Chank
Miami-Dade Product Control

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)
#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.

LAWSON
INDUSTRIES, INC.

Revision Notes:
A. Revises NOA 12-0127.06 & 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
Drawn By: N. ERAZO Date Drawn: 08/25/12
Revised By: N. ERAZO Date Revised: 08/17/20
Revision Level: D
Scale: 1/8" = 1'-0"

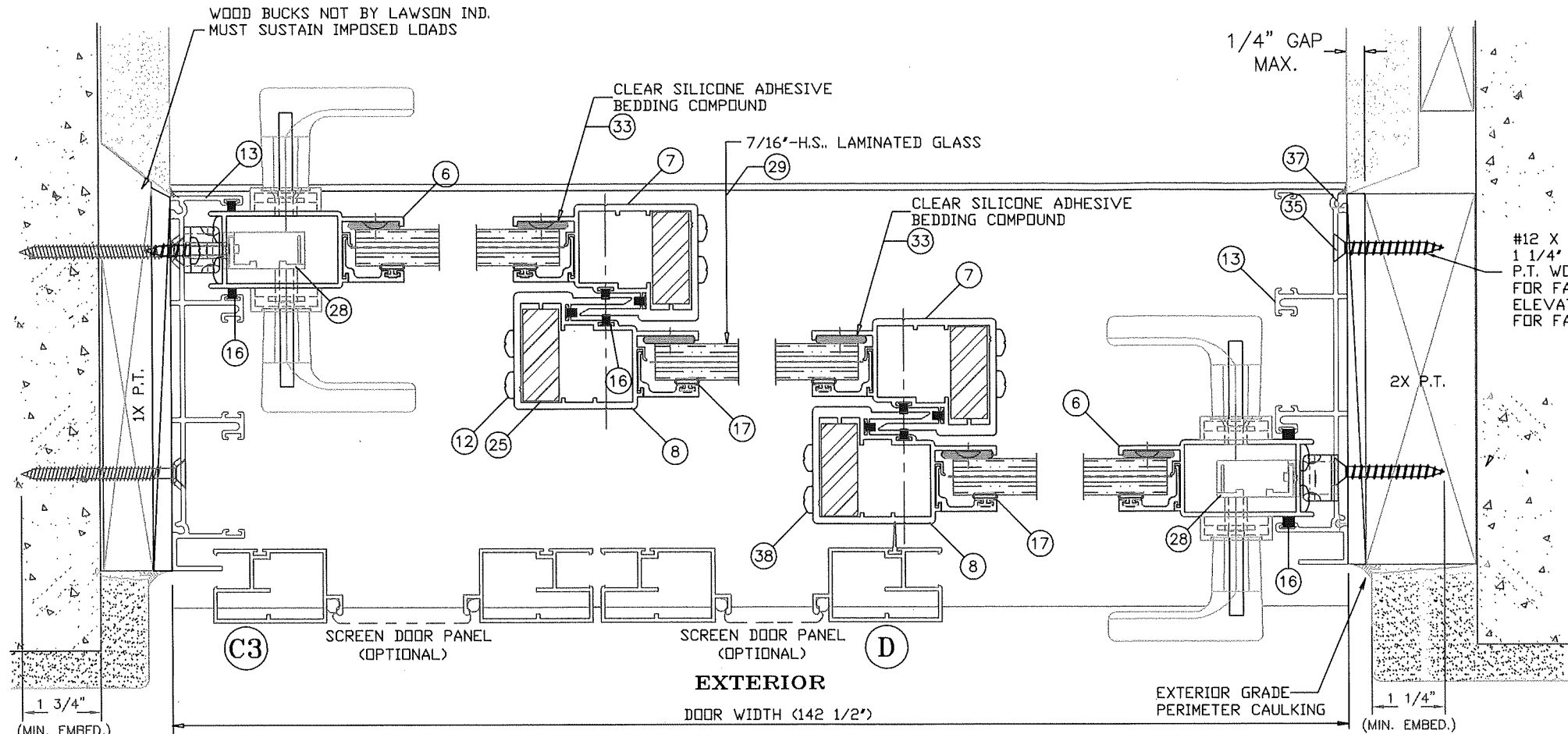
THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



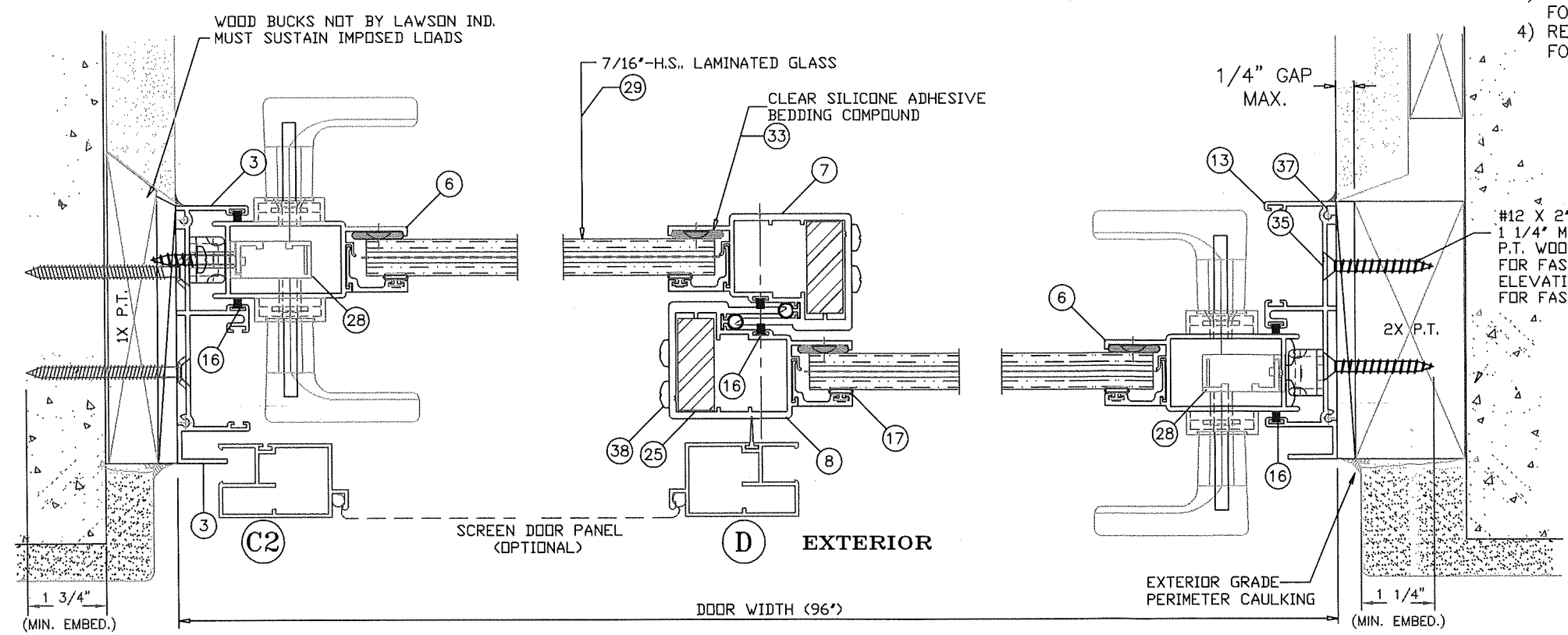
DATE: _____

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.)
THREE TRACK VERTICAL CROSS SECTIONS, DETAILS & ANCHOR NOTES

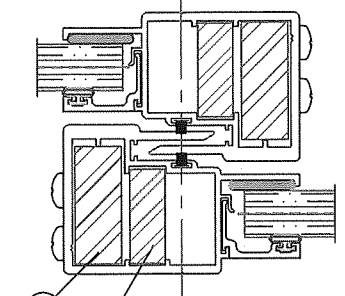


3D/3T - XXX

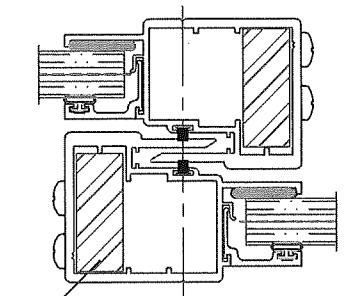


2D/2T - XX

#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)



2 STEEL BARS REQD. ON
SIZES AS LISTED IN DP
CHART W/ PRESSURES
SHOWN ON SHEET 8 OF 14



1 STEEL BAR REQD. ON
SIZES AS LISTED IN DP
CHART W/ PRESSURES
SHOWN ON SHEET 8 OF 14

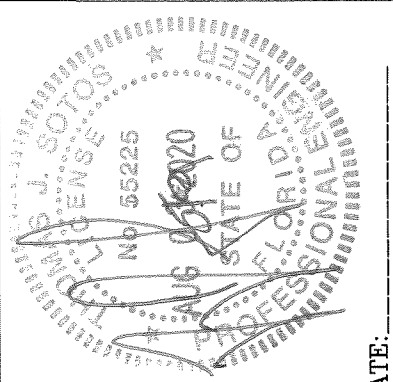
- NOTES: 1) REFER TO SHEET 8 OF 14
FOR GLAZING OPTIONS AND DP CHARTS.
2) REFER TO SHEET 9 OF 14
FOR VERTICAL CROSS-SECTION DETAILS.
3) REFER TO SHEET 9 OF 14
FOR TYPICAL ANCHORS AND NOTES.
4) REFER TO SHEET 8 OF 14
FOR MAX. ANCHOR SPACINGS.

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 23-0119.03
Expiration Date 02/13/2028
By Ishaq I. Chande
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0901.06
Expiration Date 02/13/2023
By Ishaq I. Chande
Miami-Dade Product Control

| | | |
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| B. Revised to comply w/ 2014 FBC | Date Drawn: 09/25/12 | |
| C. Revised to comply w/ 2017 FBC | | |
| D. Revised to comply w/ 2020 FBC | | |
| Drawn By: N. ERAZO | Date Revised: 08/17/20 | |
| Revised By: N. ERAZO | | |
| Revision Level: D | Scale: | |

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



LAWSON
INDUSTRIES, INC.

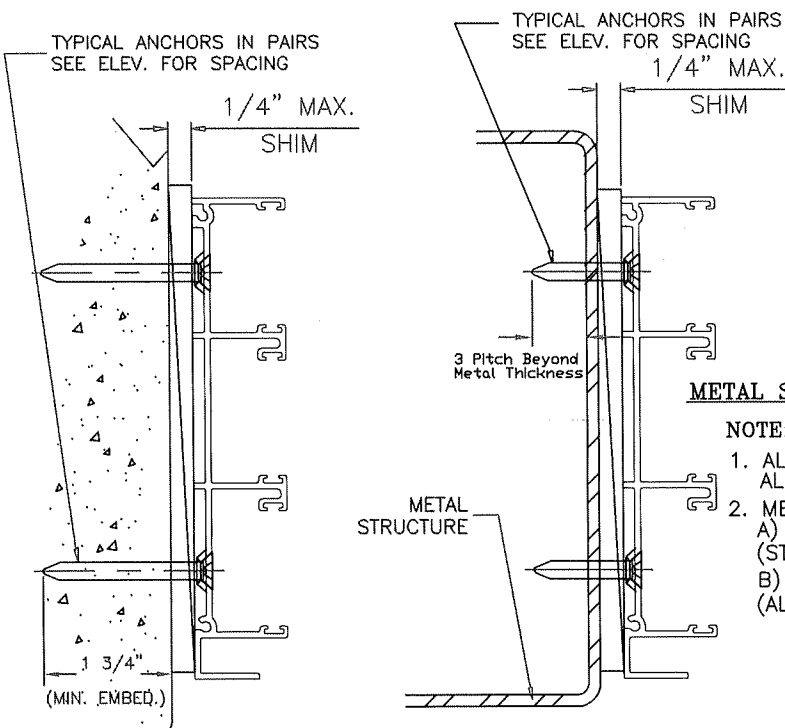
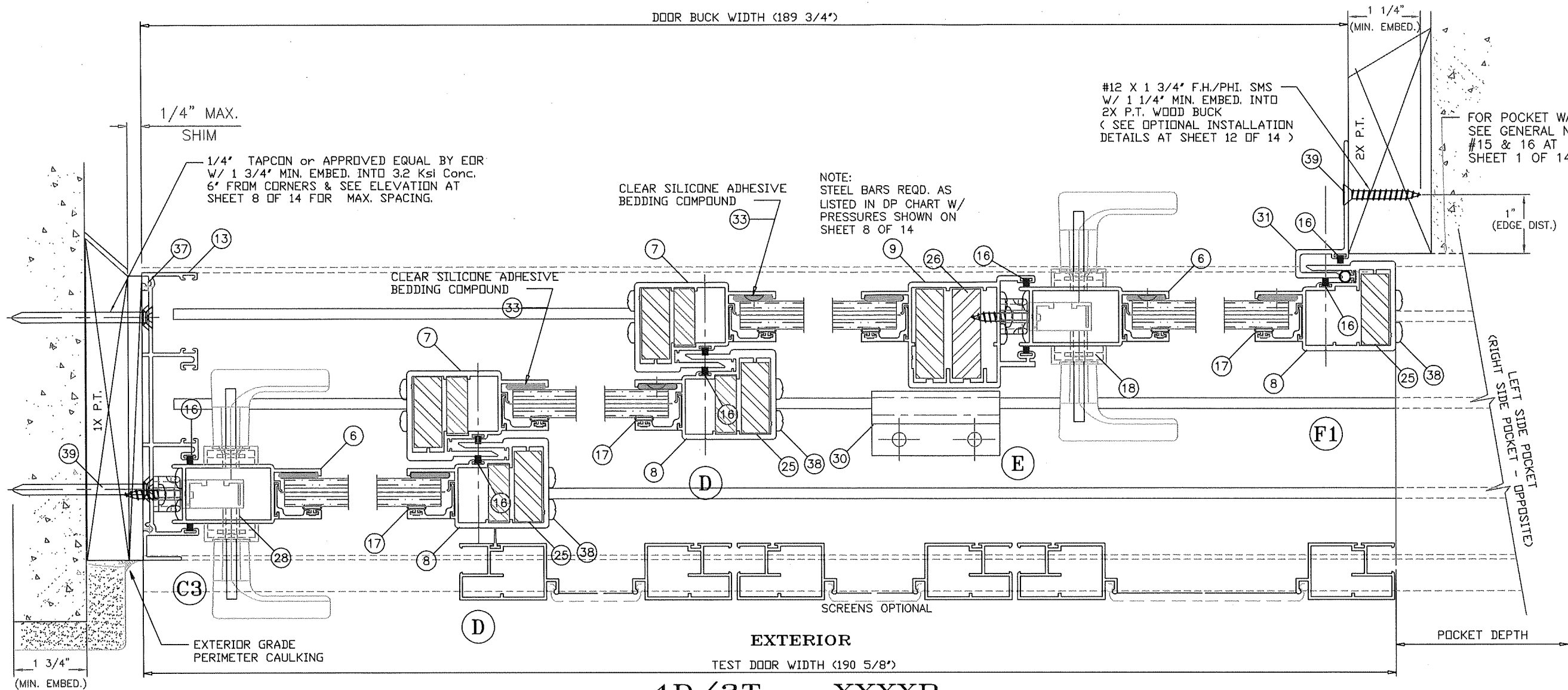
8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

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

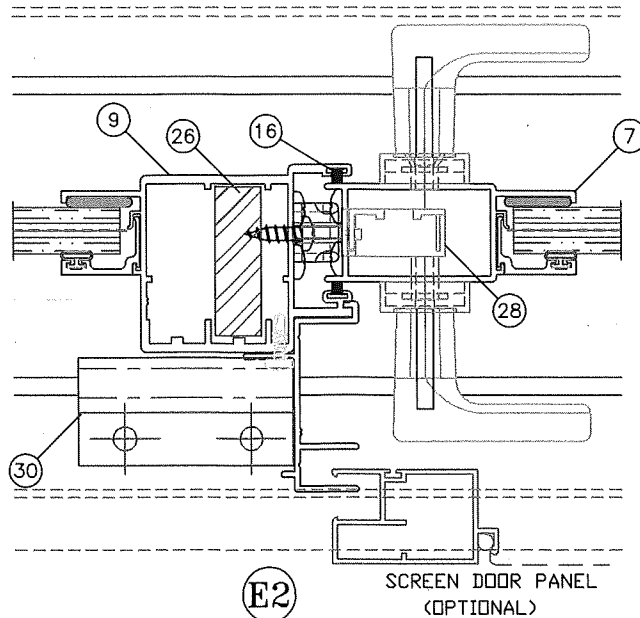
Product Reference Number: L9200-1201
Drawing Number: 10 OF 14
Revision #: 10 OF 14

DATE:



PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 23-0119.03
Expiration Date 02/13/2028
By *Ishag I. Chande*
Miami-Dade Product Control

METAL STRUCTURE ATTACHMENT DETAIL
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)



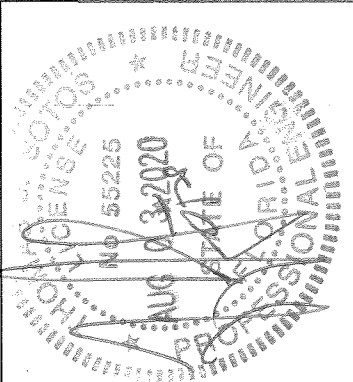
- NOTES: 1) REFER TO SHEET 8 OF 14 FOR GLAZING OPTIONS AND DP CHARTS.
2) REFER TO SHEET 9 OF 14 FOR VERTICAL CROSS-SECTION DETAILS.
3) REFER TO SHEET 9 OF 14 FOR TYPICAL ANCHORS AND NOTES.
4) REFER TO SHEET 8 OF 14 FOR MAX. ANCHOR SPACINGS.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0901.06
Expiration Date 02/13/2023
By *Ishag I. Chande*
Miami-Dade Product Control

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

| | | | |
|--|-----------------|----------|--|
| 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 | Date Drawn: | 09/25/12 | |
| C. Revised to comply w/ 2017 FBC | Drawn By: | N. ERAZO | |
| D. Revised to comply w/ 2020 FBC | Revised By: | N. ERAZO | |
| | Revision Level: | D | |

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



DATE: _____

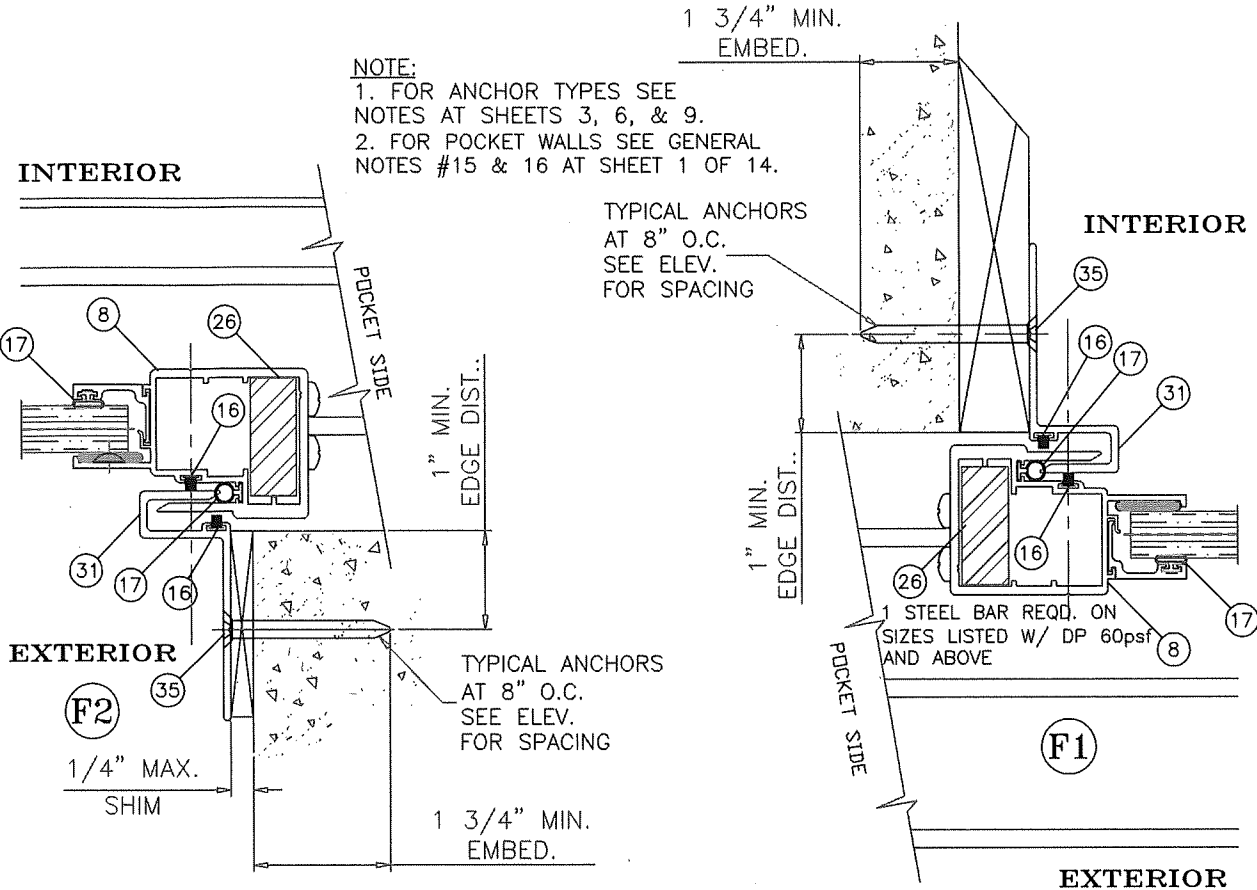
Product Reference Number: L9200-1201

Drawing Number: 11 OF 14

Revision #: 11 OF 14

Sheet: 11 OF 14

| 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 REQ'D. | "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 REQ'D. | 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 | OSI POLYSEAMSEAL |
| 44 | * | 1 | PRODUCT LABEL | * |



POCKET DOOR HOOK ATTACHMENT DETAILS

| 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 | |

PRODUCT RENEWED
as complying with the Florida
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NOA-No. 23-0119.03
Expiration Date 02/13/2028
By Ishag I. Chank
Miami-Dade Product Control

PRODUCT REVISED
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NOA-No. 20-0901.06
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Miami-Dade Product Control

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

LAWSON INDUSTRIES, INC.

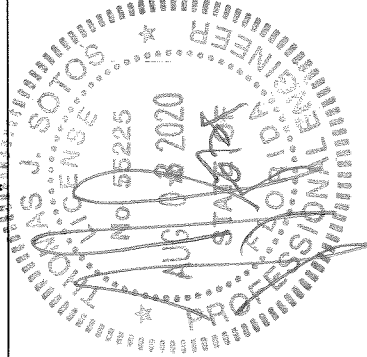
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

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

BILL OF MATERIALS, POCKET JAMB HOOK INSTALLATION 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 | | Date Drawn: 09/25/12 | |
| C. Revised to comply w/ 2017 FBC | | Date Revised: 08/17/20 | |
| D. Revised to comply w/ 2020 FBC | | | |
| Drawn By: N. ERAZO | | | |
| Revised By: N. ERAZO | | | |
| Revision Level: D | | | |

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



DATE: _____

Scale: _____

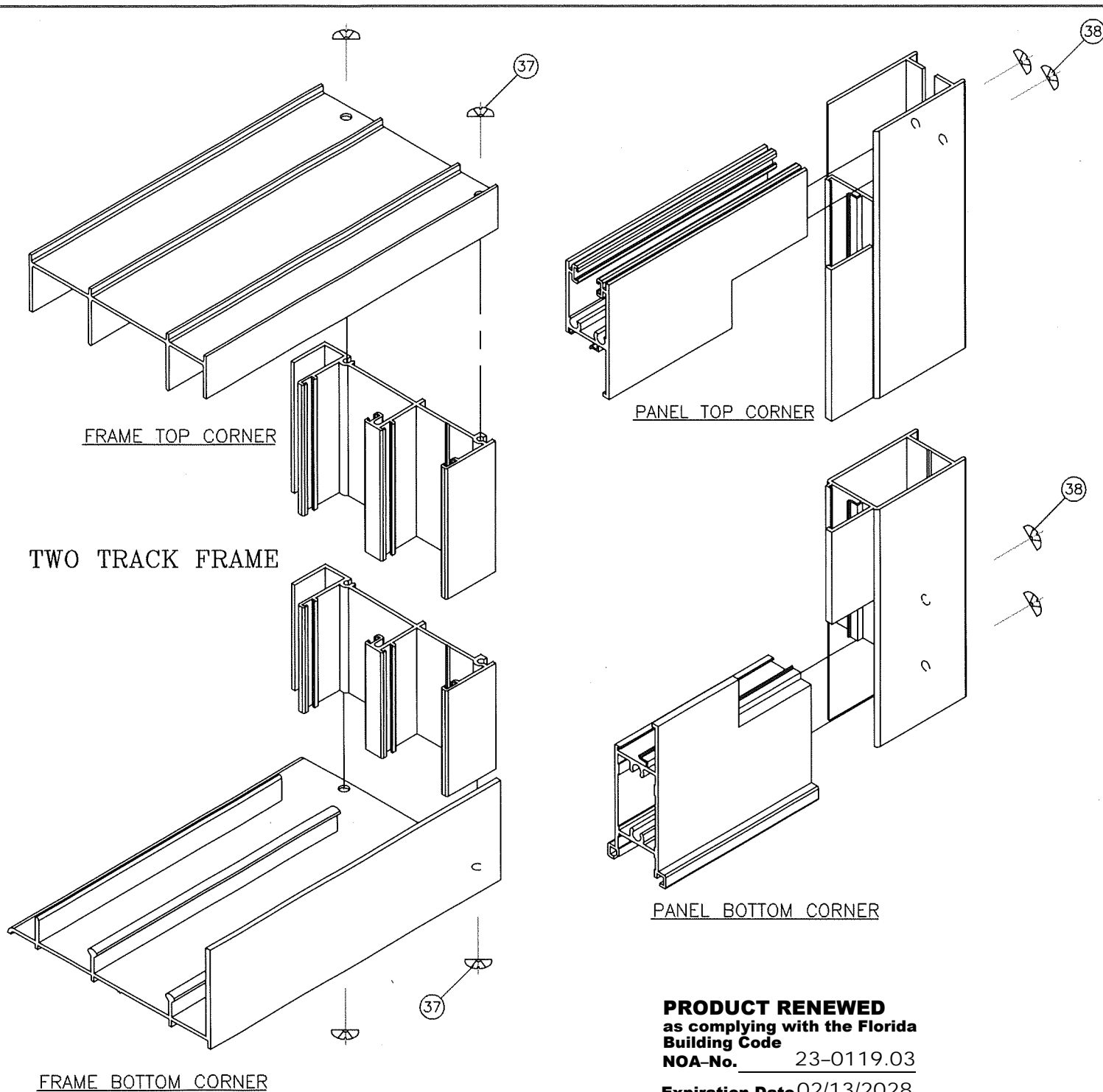
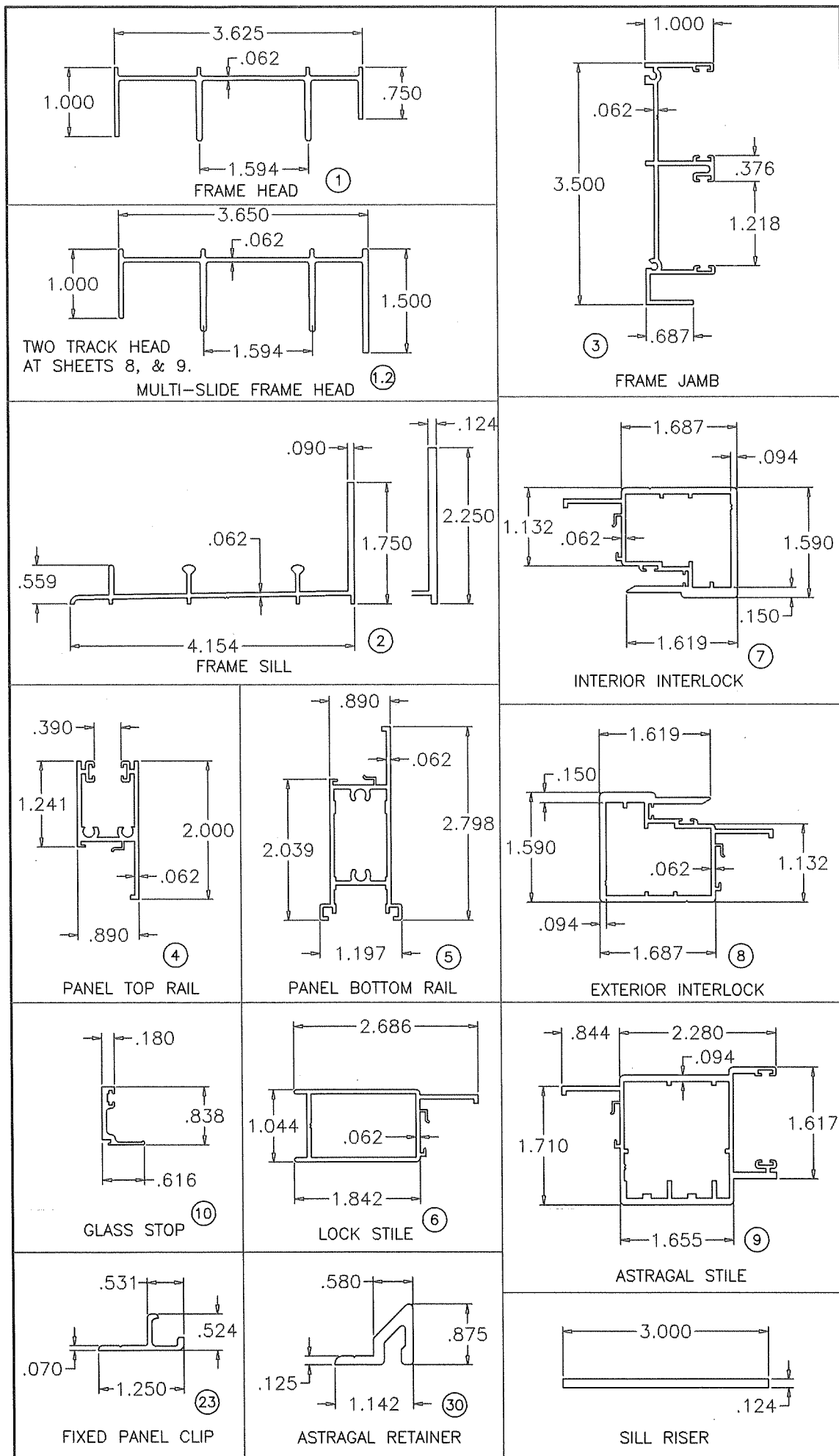
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Drawing Number: _____

L9200-1201

Sheet: 12 OF 14

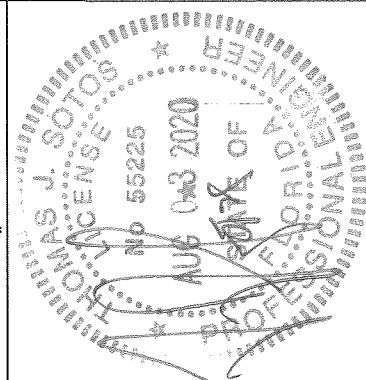
Revision #: _____



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Miami-Dade Product Control

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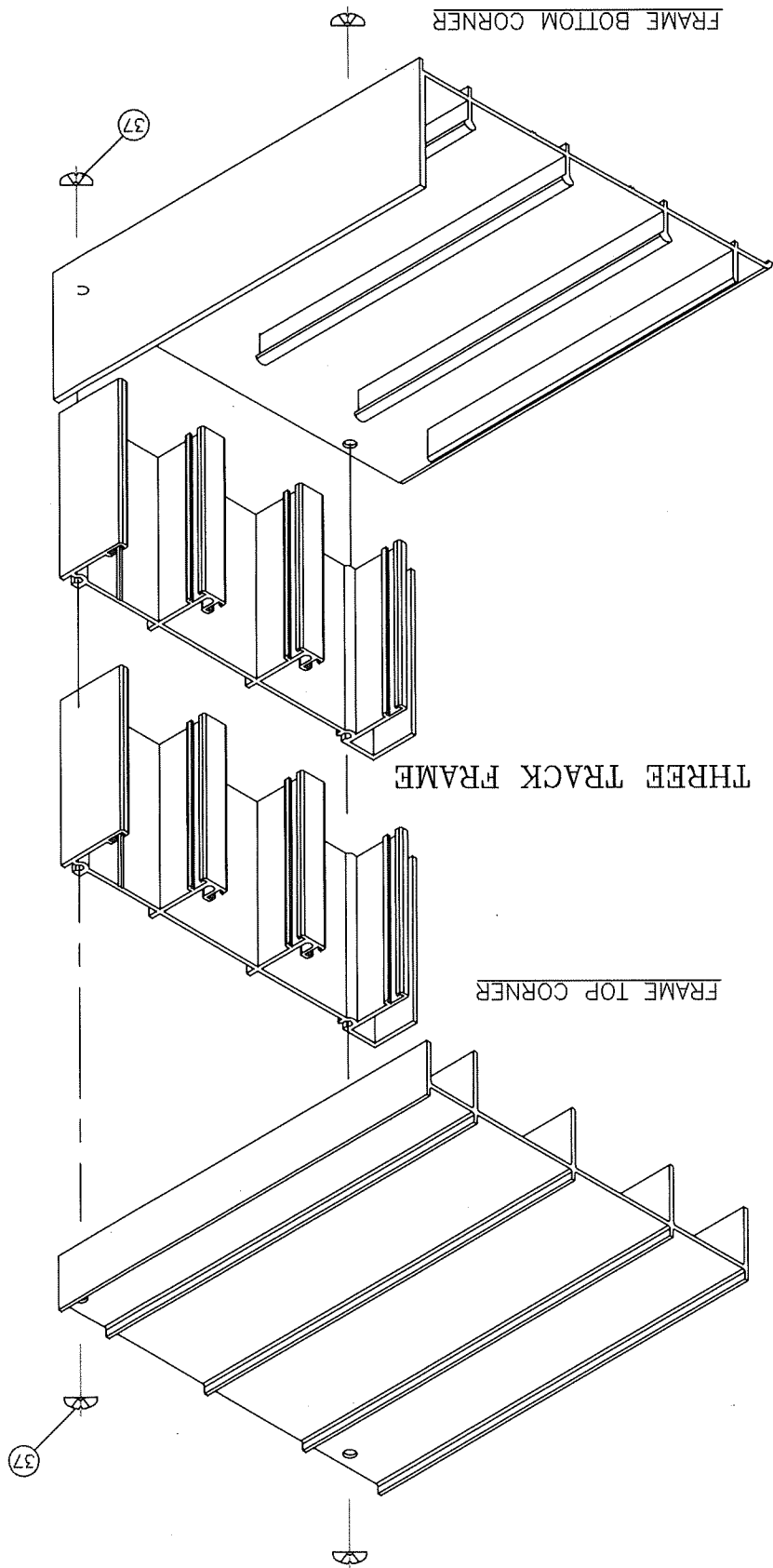
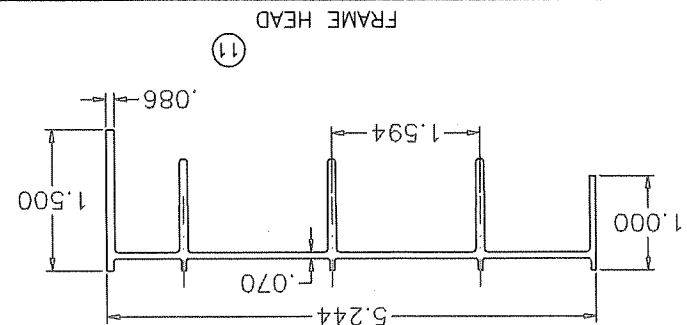
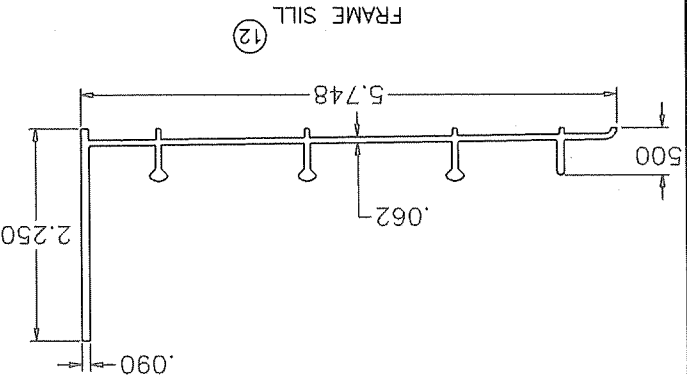
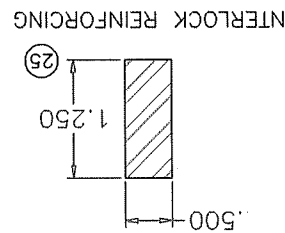
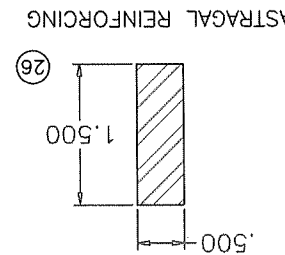
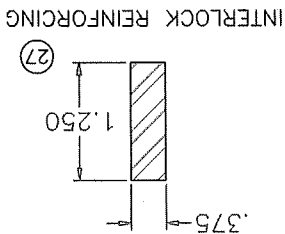
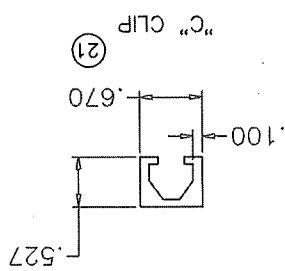
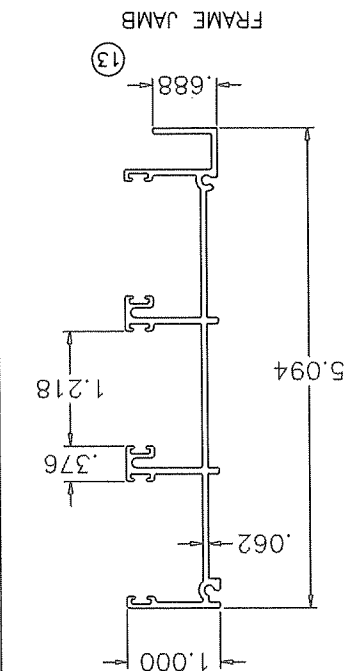
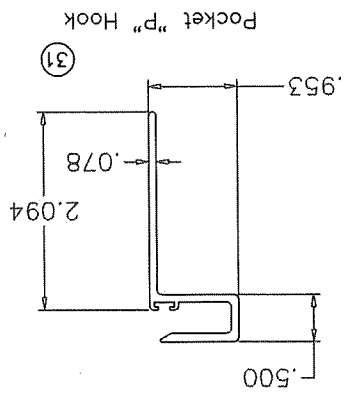
LAWSON
INDUSTRIES, INC.

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
Drawing Number: 13 OF 14
Revision #:

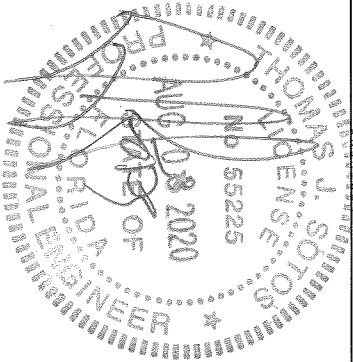
DATE:



PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 23-0119.03
Expiration Date 02/13/2028
By Ishaq I. Chande
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0901.06
Expiration Date 02/13/2023
By Ishaq I. Chande
Miami-Dade Product Control

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225



DATE: _____

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|---|------------------------|
| 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 | |
| Drawn By: N. BRAZO | Date Drawn: 09/25/12 |
| Revised By: N. BRAZO | Date Revised: 08/17/20 |
| Revision Level: D | Scale: |

| | |
|--|-----------------|
| LAWSON INDUSTRIES, INC. | |
| MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS | |
| SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.) | |
| EXTRUSION DETAILS, REINFORCEMENTS & FRAME CORNER ASSEMBLY DETAILS | |
| Product Reference Number: L9200-1201 | Sheet: 14 OF 14 |
| 8501 N.W. 90 ST. MEDLEY, FLORIDA 33166 PH No. (305) 696-8660 | |