



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](http://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-8800 (Fin Frame)" Aluminum Horizontal Sliding Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **L8800-0801** titled "HS-8800 Horizontal Rolling Fin Impact Window", sheets 1 through 5 of 5, dated 04/08/08 with revision **E** dated 07/31/20, 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**

**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. 18-0808.06** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



  
10/01/20

**NOA No. 20-0813.05**  
**Expiration Date: October 09, 2023**  
**Approval Date: October 08, 2020**  
**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. 08-0701.03)*
2. Drawing No **L8800-0801**, titled "HS-8800 Horizontal Rolling Fin Impact Window", sheets 1 through 5 of 5, dated 04/08/08, with revision "**D**" dated 11/01/17, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, P.E.  
*(Submitted under NOA No. 17-1212.14)*

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) 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, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-07-4391**, dated 02/28/08, signed and sealed by Candido F. Font, P.E.  
*(Submitted under NOA No.08-0701.03)*
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 aluminum horizontal sliding windows, all prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s: **HETI-07-4392**, dated 01/15/08; **HETI-07-4393**, dated 01/15/08; **HETI-07-4395**, dated 01/15/08; **HETI-07-4394**, dated 02/28/08 and **HETI-08-2039**, dated 01/30/08; all signed and sealed by Candido F. Font, P.E.  
*(Submitted under NOA No.08-0701.03)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC, dated 06/20/08, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.  
*(Submitted under NOA No.08-0701.03)*
2. Glazing complies with **ASTM E1300-04/09**

**D. QUALITY ASSURANCE**

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

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-0813.05  
Expiration Date: October 09, 2023  
Approval Date: October 08, 2020

**Lawson Industries, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**E. MATERIAL CERTIFICATIONS**


1. Notice of Acceptance No. **17-1114.14** issued to **Kuraray America, Inc.** for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 01/18/18, expiring on 07/08/19.
2. Notice of Acceptance No. **17-0712.05** issued to **Eastman Chemical Company (MA)** for their "Saflex Clear and Color Glass Interlayers" dated 09/07/17, expiring on 05/21/21.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 6<sup>th</sup> Edition (2017)**, and of "No financial interest" dated November 17, 2017, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.  
*(Submitted under previous NOA No. 17-1212.14)*
2. Statement letter dated 01/22/18 of the editorial drawing changes issued by Lawson Inc., signed by Nelson Erazo, Senior Design Engineer.  
*(Submitted under previous NOA No. 17-1212.14)*
3. Department of State Certification of **LAWSON INDUSTRIES, INC.** as a for profit corporation, active and organized under the laws of the State of Florida, dated 04/11/14 and filed at the Secretary of State.  
*(Submitted under NOA No. 14-0908.13)*
4. Laboratory compliance letter for Test Reports No. **HETI-07-4391, HETI-07-4392, HETI-07-4393, HETI-07-4394, HETI-07-4395** and **HETI-08-2039**, issued by Hurricane Engineering & Testing, Inc., dated 01/15/08 through 02/28/08, all signed and sealed by Candido F. Font, P.E.  
*(Submitted under NOA No. 08-0701.03)*

**G. OTHERS**

1. Notice of Acceptance No. **17-1212.14**, issued to Lawson Industries, Inc. for their Series "HS-8800 Fin Frame" Aluminum Horizontal Sliding Window – L.M.I., approved on 02/01/18 and expiring on 10/09/18.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 20-0813.05  
Expiration Date: October 09, 2023  
Approval Date: October 08, 2020

**Lawson Industries, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No **L8800-0801**, titled “HS-8800 Horizontal Rolling Fin Impact Window”, sheets 1 through 5 of 5, dated 04/08/08, with revision “**E**” dated 07/31/20, prepared by manufacturer, and 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. **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.
2. Notice of Acceptance No. **20-0622.01** issued to **Eastman Chemical Company (MA)** for their “**Saflex PVB Clear and Color Glass Interlayers**” dated 08/06/20, expiring on 05/21/21.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 7<sup>th</sup> Edition (2020)**, dated August 03, 2020, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.

**G. OTHERS**

1. Notice of Acceptance No. **18-0808.06**, issued to Lawson Industries, Inc. for their Series “HS-8800 Fin Frame” Aluminum Horizontal Sliding Window – L.M.I., approved on 09/20/18 and expiring on 10/09/23.

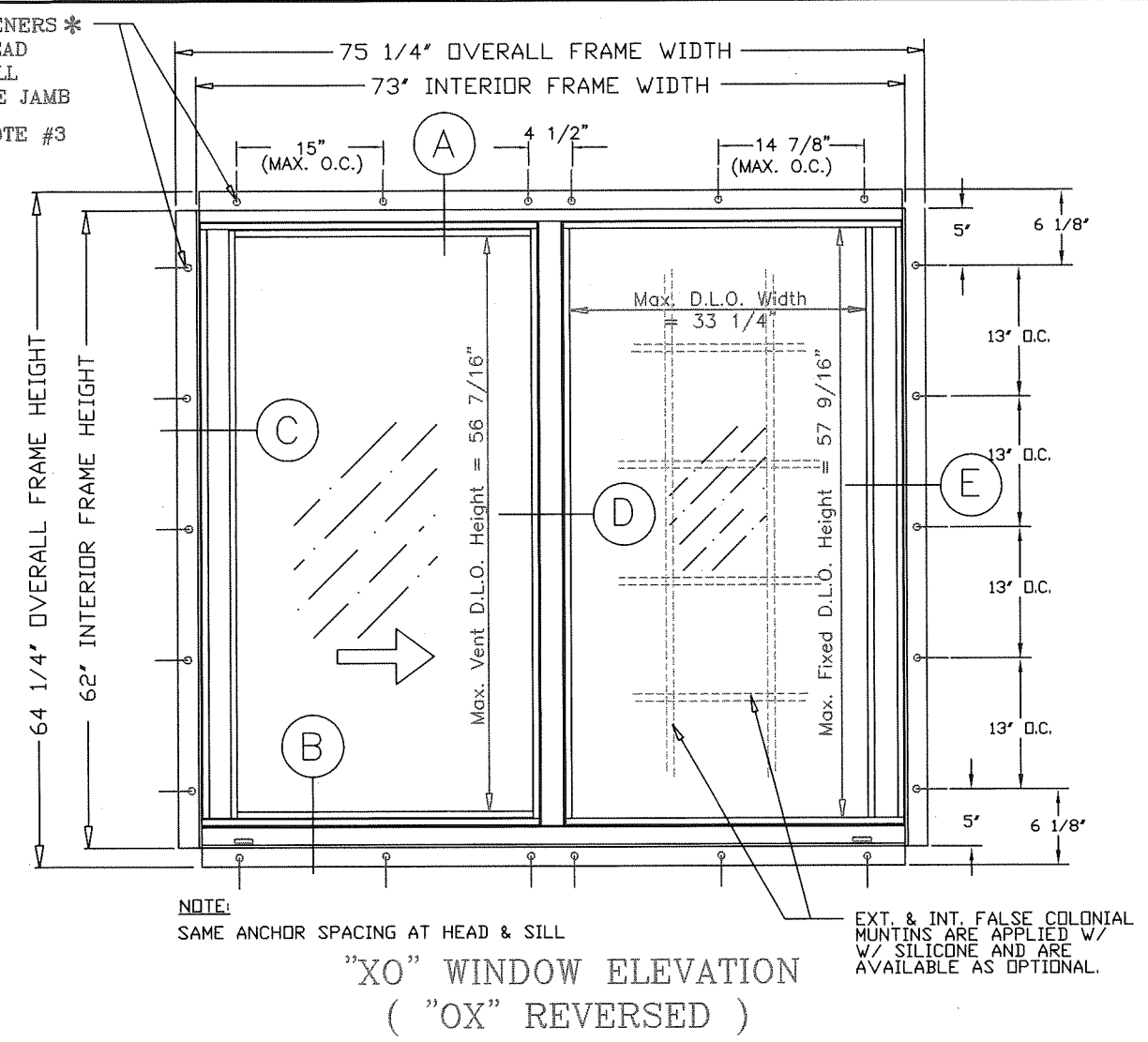
  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-0813.05  
Expiration Date: October 09, 2023  
Approval Date: October 08, 2020



INSTALLATION FASTENERS\*  
(A) 6 AT FRAME HEAD  
(B) 6 AT FRAME SILL  
(C) 5 AT EA. FRAME JAMB  
\*SEE GENERAL NOTE #3

General Notes:

- 1.) THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (2017-6th Edition & 2020-7th Edition) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) AND ASTM 1300-98. THIS PRODUCT IS IMPACT RESISTANT AND DOES NOT REQUIRE SHUTTERS.
- 2.) 2 X WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH THE REQUIREMENTS OF FLORIDA BUILDING CODE & TO BE REVIEWED BY BUILDING OFFICIAL.
- 3.) ANCHORS SHOWN ABOVE ARE AS PER TEST UNITS. ON CENTER (O.C.) ANCHOR SPACINGS WILL VARY WITH UNIT DIMENSIONS, AND THE NUMBER OF ANCHORS REQUIRED, AS SPECIFIED ON THE LOAD TABLES.
- 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.) XO or OX WINDOWS ARE QUALIFIED FOR USE WITH SINGLE GLAZE LAMINATED GLASS TYPES TABULATED HEREIN (SEE SHEET #4).
- 6.) XO or OX WINDOWS ARE QUALIFIED FOR USE WITH DOUBLE GLAZE LAMINATED INSULATED GLASS TYPES TABULATED HEREIN (SEE SHEET #4).
- 7.) SEE SHEET #3 FOR LOCK DETAILS & OPTIONS.
- 8.) SEE SHEET #1 FOR GLAZING DETAILS & OPTIONS. (REFER TO SHEETS #4, FOR MAX. DESIGN PRESSURES.
- 9.) WOOD OPENINGS SHALL BE PROTECTED WITH AN APPROVED MOISTURE RESISTANT WEATHERBARRIER (BY OTHERS), PRIOR TO WINDOW INSTALLATION. (SEE SHEET #3 FOR INSTALLATION DETAIL)
- 10.) MATERIALS INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE SECTION 2003.8.4



SERIES-8800 HORIZONTAL SLIDING IMPACT WINDOW - FIN FRAME

0.125' TEMPERED GLASS (OUTBOARD)  
\*(QUALIFIED FOR SMALL MISSILE IMPACT)  
0.125' ANN. GLASS (INBOARD)  
LAMINATED w/ 0.090' PVB &  
INSULATED w/ 0.250' AIR SPACE  
0.340' TOTAL GLASS THICKNESS

0.125' ANN. GLASS (OUTBOARD)  
(NOT QUALIFIED FOR SMALL MISSILE IMPACT)  
0.125' ANN. GLASS (INBOARD)  
LAMINATED w/ 0.090' PVB &  
INSULATED w/ 0.250' AIR SPACE  
0.340' TOTAL GLASS THICKNESS

0.125' H.S. GLASS  
LAMINATED w/ 0.090' PVB  
0.340' TOTAL GLASS THICKNESS

0.125' ANN. GLASS  
LAMINATED w/ 0.090' PVB  
0.340' TOTAL GLASS THICKNESS

**30 Laminate Types & Options**

- 1) Trosifol PVB by: Kuraray America, Inc.
- 2) Saflex PVB by: Eastman Chemical Company

**GLAZING DETAILS, OPTIONS AND DESCRIPTION**

(NOTE: SEE DP CHARTS AT SHEET 4 OF 5)

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0813.05**  
Expiration Date: **10/09/2023**  
By: *Manuel Perez*  
Miami-Dade Product Control

**LAWSON INDUSTRIES, INC.**  
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS  
8501 N.W. 90 ST.  
MEDLEY, FLORIDA 33166  
PH No. (305) 696-8660

Revision Notes:  
B. Revised to Comply w/ 2010 FBC  
C. Revised date for the 2014 FBC  
D. Revised date for the 2017 FBC  
E. Revised date for the 2020 FBC

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

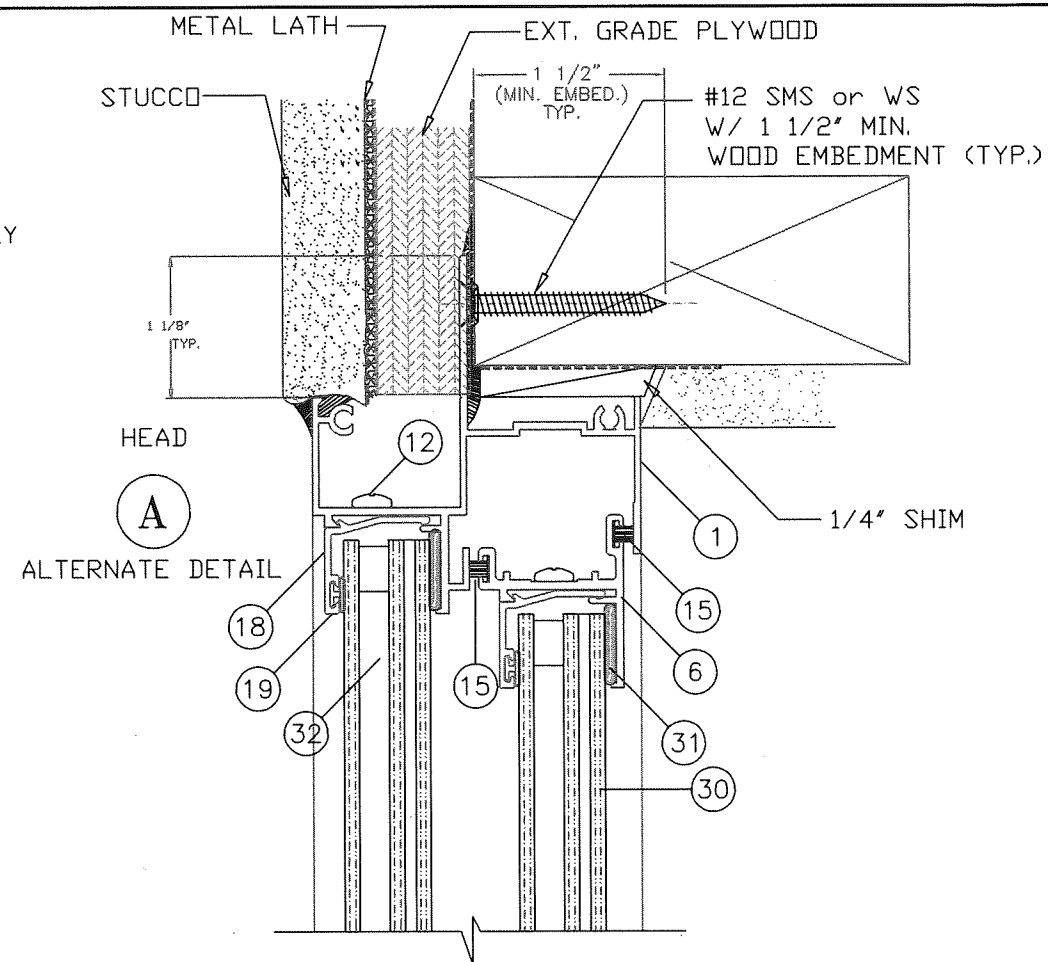
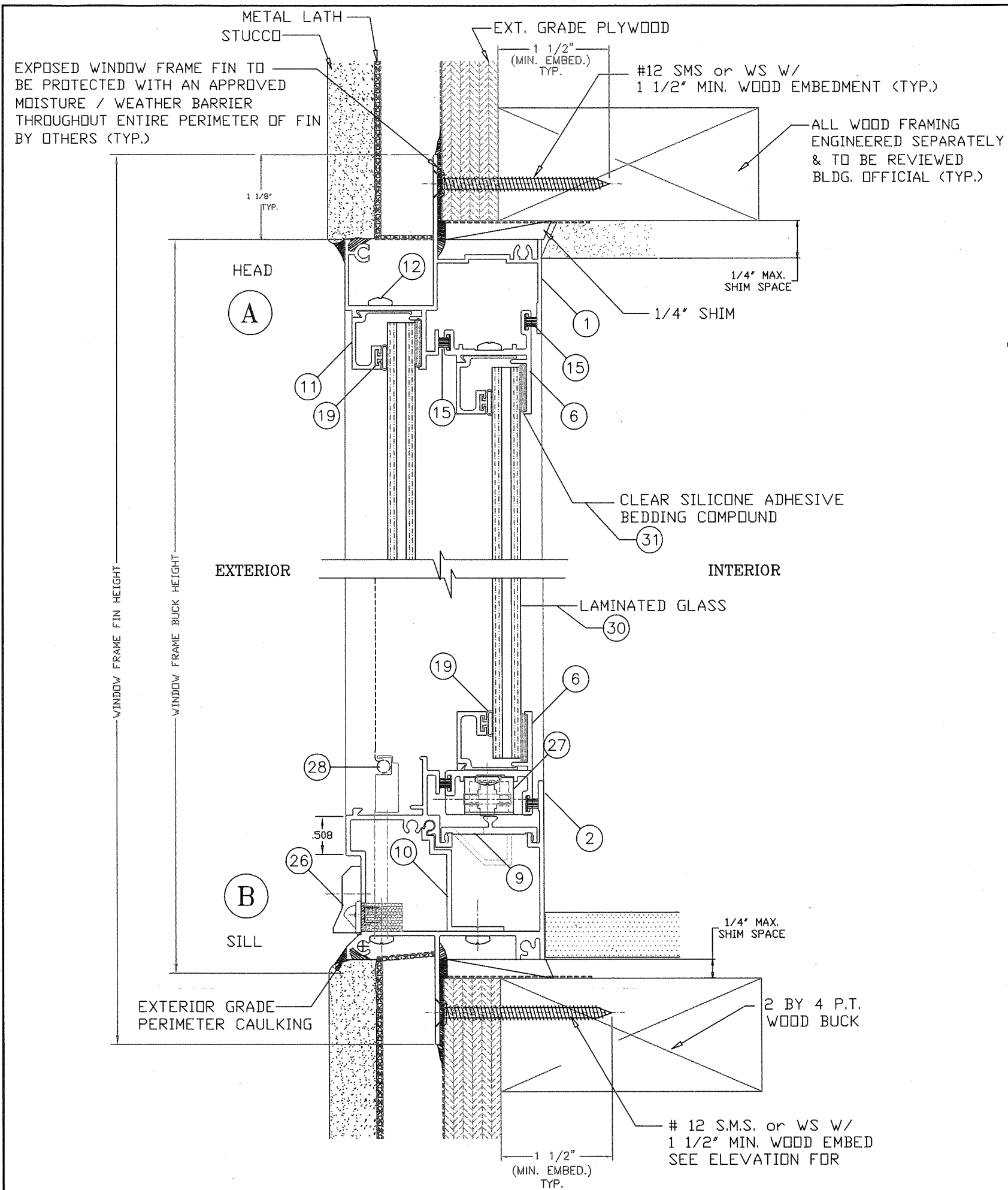
Date Drawn: 04/08/08  
Date Revised: 07/31/20  
Scale: E

THOMAS J. SOTOS  
PROFESSIONAL ENGINEER  
FL LIC. # 55225

DATE

HS-8800 HORIZONTAL ROLLING FIN IMPACT WINDOW  
APPROVED ELEVATION, GLAZING DETAILS AND GENERAL NOTES

Drawing Number: L8800-0801  
Sheet: 1 OF 5  
Revision #: 1



**NOTE:**  
 ALL ANCHORS TO BE #12 SMS OR WD. SCREW WITH A MINIMUM OF 1 1/2" PENETRATION INTO WOOD. ( REFER TO WINDOW ELEVATIONS ON SHEET 1 FOR MAX. ALLOWABLE ANCHOR SPACING)

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

8501 N.W. 90 ST.  
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**LAWSON INDUSTRIES, INC.**  
 MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

HS-8800 HORIZONTAL ROLLING FIN WINDOW  
 WINDOW VERTICAL CROSS SECTION & DETAILS

Product Reference Number: L8800-0801

Revision Notes:  
 B. Revised to Comply w/ 2010 FBC  
 C. Revised date for the 2014 FBC  
 D. Revised date for the 2017 FBC  
 E. Revised date for the 2020 FBC

Drawn By: N. ERAZO  
 Revised By: N. Erazo  
 Revision Level: E

Date Drawn: 04/08/08  
 Date Revised: 07/31/20  
 Scale:

THOMAS J. SOTOS  
 PROFESSIONAL ENGINEER  
 FL LIC. # 55225

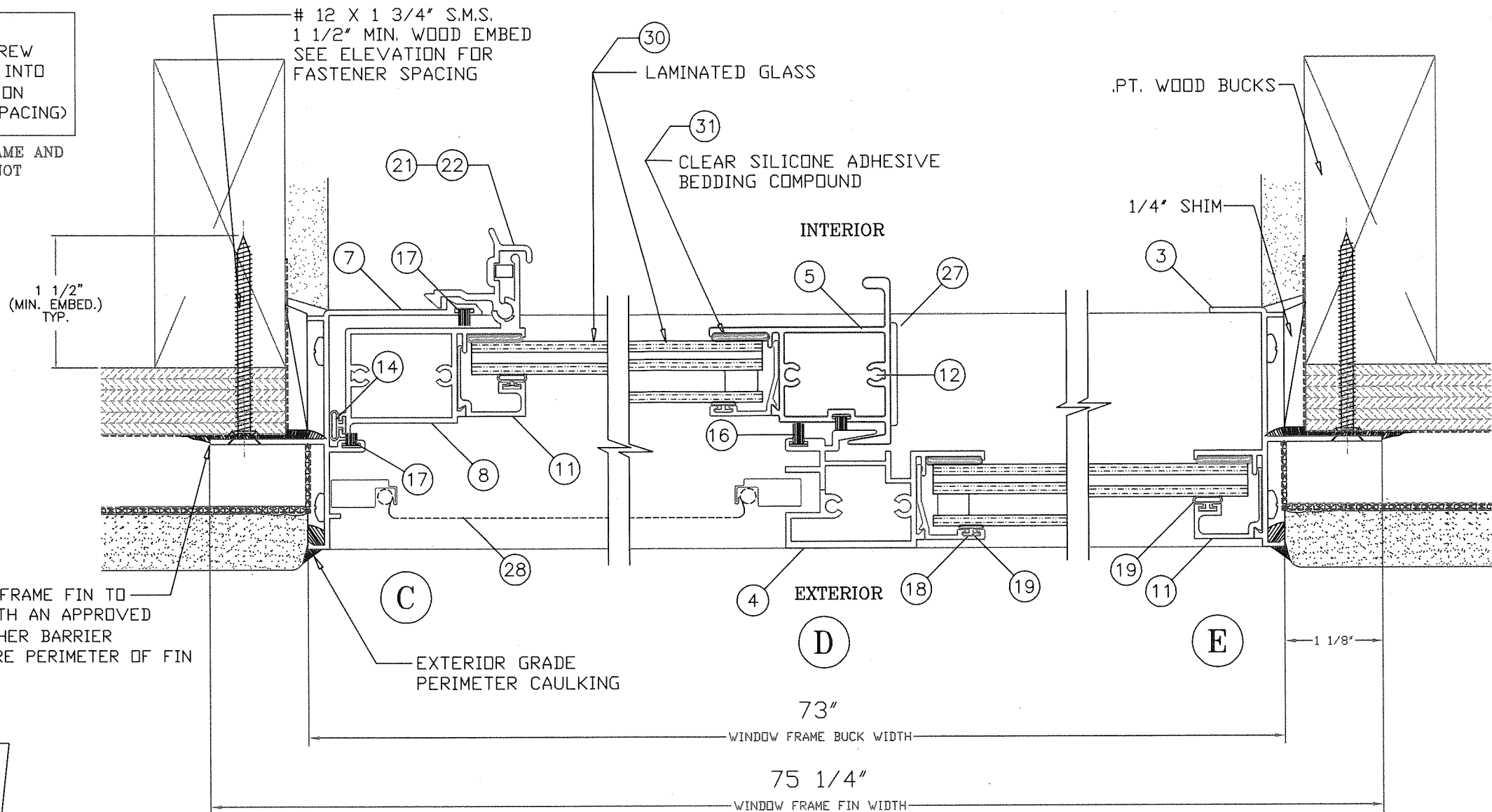
**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 NOA-No. **20-0813.05**  
 Expiration Date: **10/09/2023**  
 By: *Manuel Perez*  
 Miami-Dade Product Control

DATE



**NOTE:**  
ALL ANCHORS TO BE #12 SMS OR WD. SCREW  
WITH A MINIMUM OF 1 1/2" PENETRATION INTO  
WOOD. (REFER TO WINDOW ELEVATIONS ON  
SHEET 1 FOR MAX. ALLOWABLE ANCHOR SPACING)

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



**WINDOW INSTALLATION NOTES:**

1. THE WINDOW OPENING MUST BE PROTECTED WITH A CODE APPROVED FELT OR MOISTURE/WEATHER BARRIER, APPROX. 12" WIDE THROUGHOUT ENTIRE PERIMETER OF THE WINDOW MOUNTING FIN. (NOT BY LAWSON INDUSTRIES)
2. THE WINDOW FRAME FIN TO BE BACK-BEDDED W/ AN EXT. GRADE CAULK THROUGHOUT THE ENTIRE PERIMETER OF FIN BY WINDOW INSTALLER (TYP.)
3. THE EXPOSED EXT. PERIMETER OF THE WINDOW FRAME TO BE SEALED W/ AN APPROVED EXTERIOR GRADE CAULK BY OTHERS (TYP.)

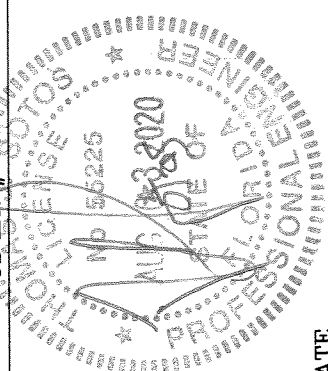
**Notes**

1. BOTH EXTRUDED ALUMINUM AND MOLDED NYLON LIFT HANDLE LOCKS ARE QUALIFIED FOR USE ON ALL WINDOWS.
2. ONLY TWO (2) LOCKS ARE REQUIRED PER EACH VENT.

**LOCK OR LOCK OPTIONS**

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0813.05**  
Expiration Date: **10/09/2023**  
By: *Manuel Fern*  
Miami-Dade Product Control

THOMAS J. SOTOS  
PROFESSIONAL ENGINEER  
FL LIC. # 55225



|                 |                                  |               |          |
|-----------------|----------------------------------|---------------|----------|
| Revision Notes: | B. Revised to Comply w/ 2010 FBC | Date Drawn:   | 04/08/08 |
|                 | C. Revised date for the 2014 FBC | Date Revised: | 07/31/20 |
|                 | D. Revised date for the 2017 FBC | Scale:        | E        |
|                 | E. Revised date for the 2020 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

HS-8800 HORIZONTAL ROLLING FIN IMPACT WINDOW

CROSS SECTION DETAILS, LOCK OPTIONS AND FRAME INSTALLATION DETAIL

Product Reference Number: L8800-0801 Sheet 3 OF 5 Revision #:

DATE

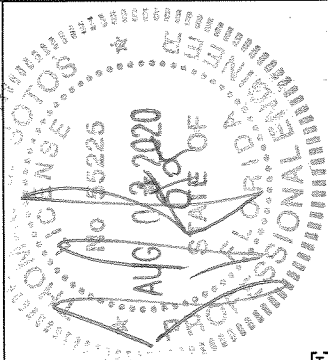
| HS-8800 FIN FRAME WINDOW BILL OF MATERIALS |            |           |                              |                           |
|--|------------|-----------|------------------------------|---------------------------|
| ITEM #                                     | PART #     | REQD.     | DESCRIPTION                  | REMARKS                   |
| 1  | L-7803     | 1         | FIN FRAME HEAD               | 6063-T6 ALUMINUM          |
| 2  | L-8801     | 1         | FIN FRAME SILL               | 6063-T6 ALUMINUM          |
| 3  | L-7801     | 1         | FIN 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-8802     | 1         | FIN 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 REQD.  | INSTALLATION SCREWS          | #12 SMS F.H./PHIL.        |
| 14   | L-7531     | AS REQ'D. | VENT JAMB VINYL WTS'P        | 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 ( 3/4" )        | 6063-T5 ALUMINUM          |
| 19   | L-7531     | AS REQ'D. | BEAD VINYL BULB              | 1/4" DIA. BULB #3033      |
| 20   | *          | AS REQ'D. | COLONIAL FALSE MUNTIN        | ALUMINUM                  |
| 21   | L-7539     | 2         | VENT EXTRUDED LATCH          | 6063-T5 ALUMINUM          |
| 22   | HC-057-1   | 2         | VENT MOLDED LATCH            | MOLDED NYLON              |
| 23   | *          | 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   | HC-044-1   | 2         | WEEP FLAP & BAFFLE           |                           |
| 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   | *          | 2         | LAMINATED GLASS              | See Detail @ sheet 1 of 5 |
| 31   | SM-5504    | AS REQ'D. | GLAZING SILICONE             | See Detail @ sheet 1 of 5 |
| 32   | 'TrueSeal' | AS REQ'D. | Insulated Glass Swiggle Seal | 1/4" air space            |
| 33   | *          | 1         | PRODUCT LABEL                |                           |
| 34   | SM-5504    | AS REQ'D. | JOINT SEALANT                |                           |
| 35   | *          | AS REQ'D. | PERIMETER ACRYLIC CAULK      | DSI POLYSEAMSEAL          |

| HS-8800 Impact Horizontal Sliding Window<br>Configuration: "XO or OX" |                 |                |                               |      |            |      |                      |      |                            |              |                 |
|---|-----------------|----------------|-------------------------------|------|------------|------|----------------------|------|----------------------------|--------------|-----------------|
| Code<br>Size  | Frame Buck Size |                | Design Load as per Glass Type |      |            |      |                      |      | Frame Installation Anchors |              |                 |
|   | Width<br>(in)   | Height<br>(in) | "A" (Annealed)                |      | "B" (H.S.) |      | "C" (Ann./Insulated) |      | Head<br>Sill               | Each<br>Jamb | Total<br>Req'd. |
|   |                 |                | P(+)                          | P(-) | P(+)       | P(-) | P(+)                 | P(-) |                            |              |                 |
| 12  | 18.125          | 25             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 2                          | 3            | 10              |
| 13  | 18.125          | 37.375         | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 2                          | 3            | 10              |
| 14  | 18.125          | 49.625         | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 2                          | 4            | 12              |
| 15  | 18.125          | 62             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 2                          | 5            | 14              |
| H32   | 25.5            | 25             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 3            | 12              |
| H33   | 25.5            | 37.375         | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 3            | 12              |
| H34   | 25.5            | 49.625         | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 4            | 14              |
| H35   | 25.5            | 62             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 5            | 16              |
| 22  | 36              | 25             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 3            | 12              |
| 23  | 36              | 37.375         | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 3            | 12              |
| 24  | 36              | 49.625         | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 4            | 14              |
| 25  | 36              | 62             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 5            | 16              |
| 32  | 52.125          | 25             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 4                          | 3            | 14              |
| 33  | 52.125          | 37.375         | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 4                          | 3            | 14              |
| 34  | 52.125          | 49.625         | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 4                          | 4            | 16              |
| 35  | 52.125          | 62             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 4                          | 5            | 18              |
| D22   | 73              | 25             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 6                          | 3            | 18              |
| D23   | 73              | 37.375         | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 6                          | 3            | 18              |
| D24   | 73              | 49.625         | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 6                          | 4            | 20              |
| D25   | 73              | 62             | -                             | -    | 60.0       | 60.0 | 60.0                 | 60.0 | 6                          | 5            | 22              |
| 2020  | 23              | 23             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 3            | 12              |
| 2030  | 23              | 35             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 3            | 12              |
| 2040  | 23              | 47             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 4            | 14              |
| 2050  | 23              | 59             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 5            | 16              |
| 3020  | 35              | 23             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 3            | 12              |
| 3030  | 35              | 35             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 3            | 12              |
| 3040  | 35              | 47             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 4            | 14              |
| 3050  | 35              | 59             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 3                          | 5            | 16              |
| 4020  | 47              | 23             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 4                          | 3            | 14              |
| 4030  | 47              | 35             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 4                          | 3            | 14              |
| 4040  | 47              | 47             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 4                          | 4            | 16              |
| 4050  | 47              | 59             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 4                          | 5            | 18              |
| 5020  | 59              | 23             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 5                          | 3            | 16              |
| 5030  | 59              | 35             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 5                          | 3            | 16              |
| 5040  | 59              | 47             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 5                          | 4            | 18              |
| 5050  | 59              | 59             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 5                          | 5            | 20              |
| 6020  | 71              | 23             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 6                          | 3            | 18              |
| 6030  | 71              | 35             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 6                          | 3            | 18              |
| 6040  | 71              | 47             | 48.0                          | 48.0 | 60.0       | 60.0 | 60.0                 | 60.0 | 6                          | 4            | 20              |
| 6050  | 71              | 59             | -                             | -    | 60.0       | 60.0 | 60.0                 | 60.0 | 6                          | 5            | 22              |

Note: (\*) WINDOWS WITH GLASS TYPES "C" INSTALLED ABOVE 30FT.  
IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0813.05**  
Expiration Date: **10/09/2023**  
By: *Manuel Perez*  
Miami-Dade Product Control

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

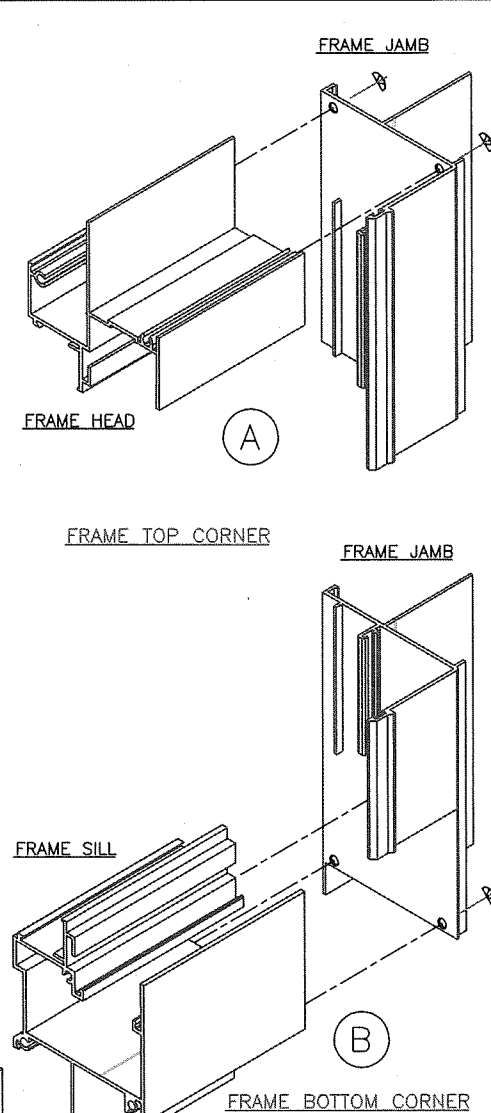
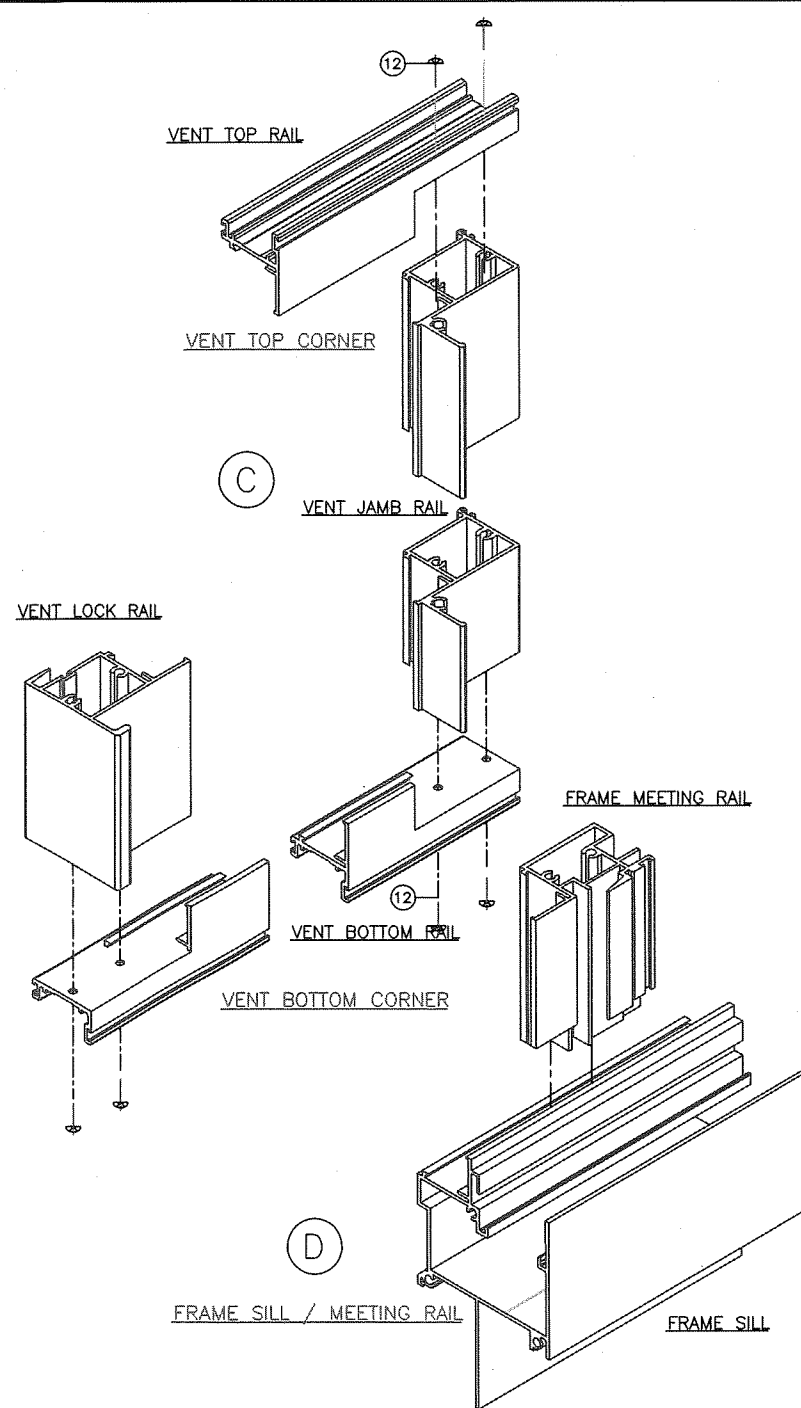
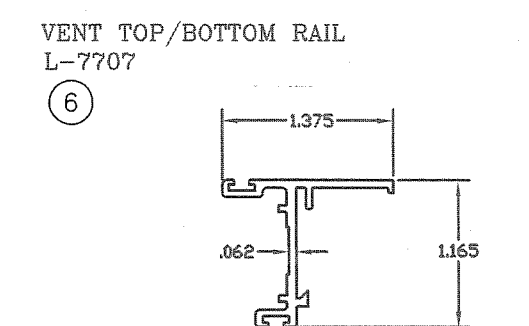
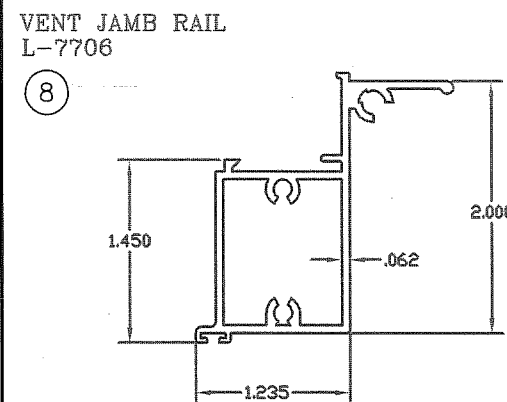
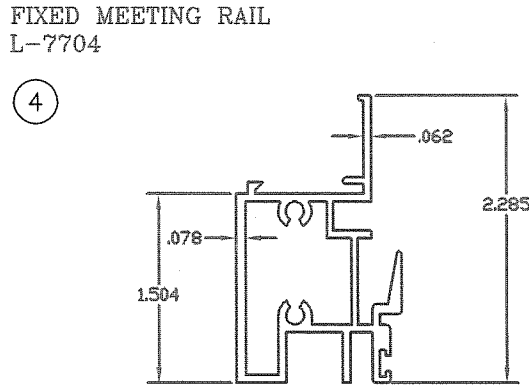
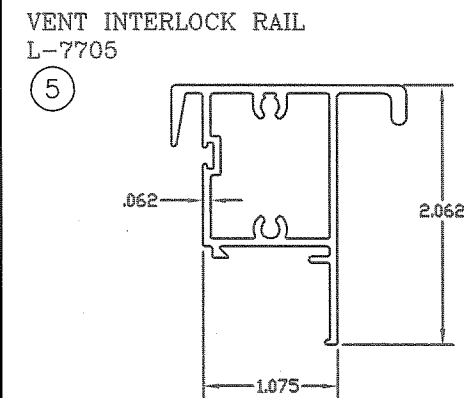
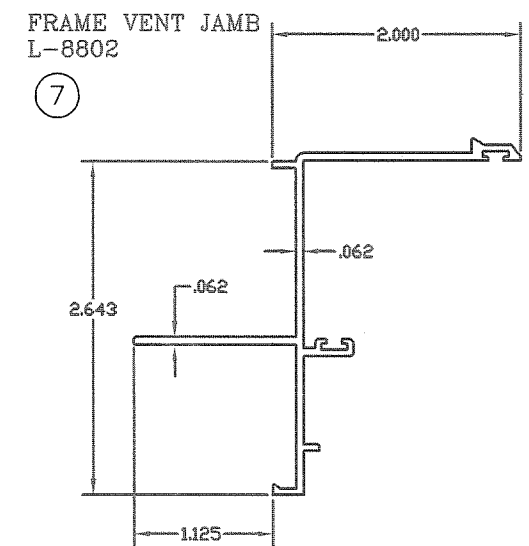
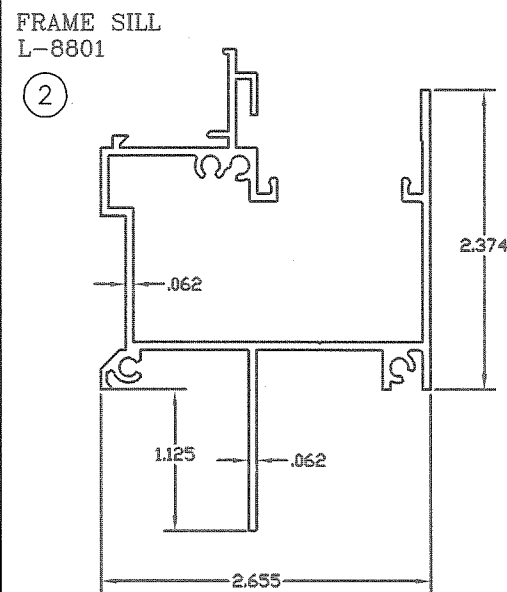
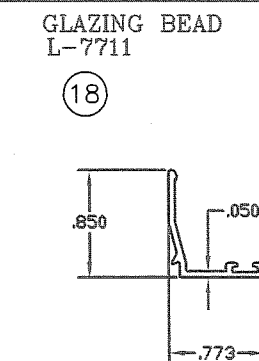
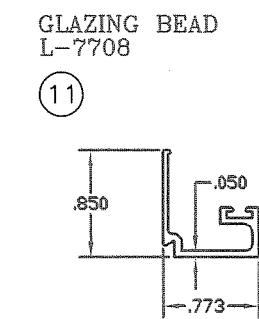
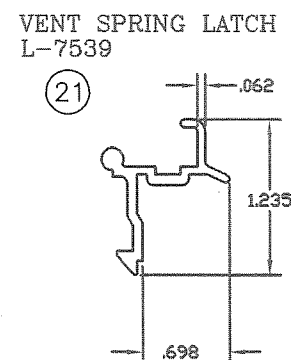
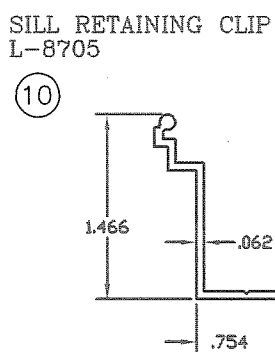
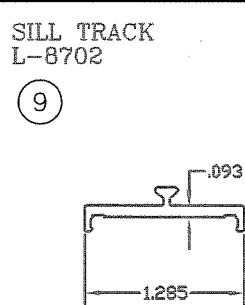
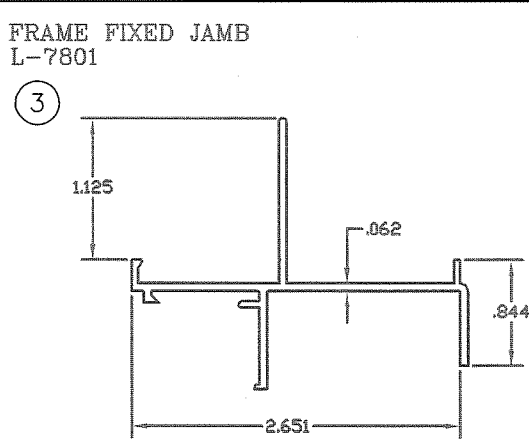
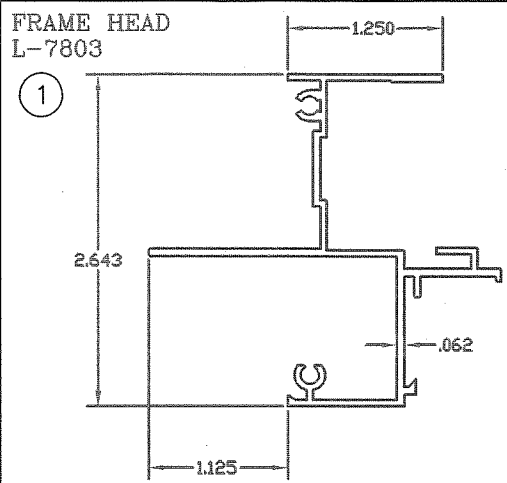
HS-8800 HORIZONTAL ROLLING FIN IMPACT WINDOW

BILL OF MATERIALS, DESIGN LOAD CHART WITH GLASS OPTIONS

Product Reference Number: L8800-0801 Sheet: 4 OF 5 Revision #:

DATE





FRAME & SASH CORNER ASSEMBLY DETAILS

**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-8800 HORIZONTAL ROLLING FIN IMPACT WINDOW

EXTRUSION DETAILS & CORNER ASSEMBLY DETAILS

|                                  |  |                      |  |
|----------------------------------|--|----------------------|--|
| Revision Notes:                  |  | Date Drawn: 04/08/08 |  |
| B. Revised to Comply w/ 2010 FBC |  | Drawn By: N. ERAZO   |  |
| C. Revised date for the 2014 FBC |  | Revised By: N. Erazo |  |
| D. Revised date for the 2017 FBC |  | Revision Level: E    |  |
| E. Revised date for the 2020 FBC |  |                      |  |

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0813.05**  
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By: *Manuel Perez*  
Miami-Dade Product Control

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