



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

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

NOTICE OF ACCEPTANCE (NOA)

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

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "4200/ 6200 Flange-Frame" Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. L4200-6200-1201, titled "Series-4200-6200 Flange-Frame Impact Fixed Window", sheets 01 through 05 of 05, dated 02/21/12 with revision "A" dated 08/18/14, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P. E., bearing the Miami-Dade County Product Control Section 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. 12-0307.06 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 **Jaime D. Gascon, P. E.**



J. Gascon
12/11/14

NOA No. 14-0908.18
Expiration Date: August 22, 2017
Approval Date: December 11, 2014
Page 1

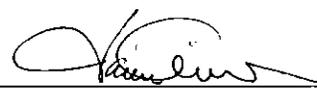
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 12-0307.06)
2. Drawing No. **L4200-6200-1201**, titled "Series-4200-6200 Flange Frame Impact Fixed Window", sheets 01 through 05 of 05, dated 02/21/12 with revision "A" dated 08/18/14, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P. E.

B. TESTS

1. 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 arch- and a rectangular fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s **HETI-12-4010** and **HETI-11-3363**, both dated 03/05/12, signed and sealed by Rafael Droz-Seda, P. E.
(Submitted under previous NOA No. 12-0307.06)
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 a rectangular-, a circular arch- and an elliptical arch fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s **HETI-09-2614**, dated 09/04/09, **HETI-09-2612**, dated 09/02/09, **HETI-09-2586**, dated 07/10/09, **HETI-09-2584**, dated 07/10/09, **HETI-09-2582**, dated 07/10/09, **HETI-09-2580** and dated 07/10/09, all signed and sealed by Candido F. Font, P. E.
(Submitted under previous NOA No. 12-0307.06)
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a rectangular fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s **HETI-09-2613**, dated 09/04/09, **HETI-09-2611**, dated 09/04/09, **HETI-09-2585**, dated 07/10/09, **HETI-09-2581**, dated 07/10/09 and **HETI-09-2579**, dated 07/10/09, all signed and sealed by Candido F. Font, P. E.
(Submitted under previous NOA No. 12-0307.06)
4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a rectangular fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s **HETI-03-1778**, dated 01/30/03, **HETI-03-1779**, dated 01/30/03 and **HETI-03-1776**, dated 01/30/03, all signed and sealed by Rafael Droz-Seda, P. E.
(Submitted under previous NOA No. 03-0327.11)



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0908.18
Expiration Date: August 22, 2017
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B. TESTS (CONTINUED)

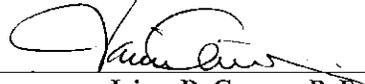
5. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a rectangular-, a circular arch- and an elliptical arch fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s **HETI-03-1777**, dated 01/30/03, **HETI-03-1774A** and dated 01/30/03, **HETI-03-1774B**, dated 01/30/03, all signed and sealed by Rafael Droz-Seda, P. E.
(Submitted under previous NOA No. 03-0327.11)
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
along with marked-up drawings and installation diagram of a circular arch fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s **HETI-02-1215**, dated 04/08/02 and **HETI-01-1193**, dated 04/08/02, both signed and sealed by Hector Medina, P. E.
(Submitted under previous NOA No. 02-0701.01)
7. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a rectangular-, a circular arch- and an elliptical arch fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s **HETI-02-1158**, dated 04/08/02, **HETI-01-1103**, dated 02/12/02 and **HETI-01-1098**, dated 02/11/02, all signed and sealed by Hector Medina, P. E.
(Submitted under previous NOA No. 02-0701.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by manufacturer, dated 03/01/12, signed and sealed by Thomas J. Sotos, P. E.
(Submitted under previous NOA No. 12-0307.06)
2. Glazing complies with ASTM E1300-04/09

D. QUALITY ASSURANCE

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


Jaime D. Gascon, P. E.
Product Control Section Supervisor
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E. MATERIAL CERTIFICATIONS

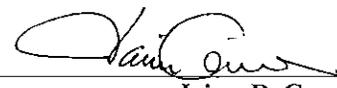
1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, 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.

F. 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. 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.
3. Statement letter of conformance, complying with **FBC-2010**, issued by manufacturer, dated 03/02/12, signed and sealed by Thomas J. Sotos, P. E.
(Submitted under previous NOA No. 12-0307.06)
4. Statement letter of no financial interest, issued by manufacturer, dated 03/02/12, signed and sealed by Thomas J. Sotos, P. E.
(Submitted under previous NOA No. 12-0307.06)
5. Laboratory compliance letter for Test Reports No.'s **HETI-09-2614**, dated 09/04/09, **HETI-09-2612**, dated 09/02/09, **HETI-09-2586**, dated 07/10/09, **HETI-09-2584**, dated 07/10/09, **HETI-09-2582**, dated 07/10/09, **HETI-09-2580**, dated 07/10/09, **HETI-09-2613**, dated 09/04/09, **HETI-09-2611**, dated 09/04/09, **HETI-09-2585**, dated 07/10/09, **HETI-09-2581**, dated 07/10/09 and **HETI-09-2579**, dated 07/10/09, all issued by Hurricane Engineering & Testing, Inc., signed and sealed by Candido F. Font, P. E.
(Submitted under previous NOA No. 12-0307.06)
6. Laboratory compliance letter for Test Reports No.'s **HETI-12-4010** dated 03/05/12, **HETI-11-3363**, dated 03/05/12, **HETI-03-1778**, dated 01/30/03, **HETI-03-1779**, dated 01/30/03, **HETI-03-1776**, dated 01/30/03, **HETI-03-1777**, dated 01/30/03, **HETI-03-1774A**, dated 01/30/03 and **HETI-03-1774B**, dated 01/30/03, all issued by Hurricane Engineering & Testing, Inc., signed and sealed by Rafael Droz-Seda, P. E.
(Submitted under previous NOA's No.'s 12-0307.06)

G. OTHERS

1. Notice of Acceptance No. **12-0307.06**, issued to Lawson Industries, Inc. for their Series "**4200/ 6200 Flange-Frame**" Aluminum Fixed Window – L.M.I.", approved on 05/24/12 and expiring on 08/22/17.

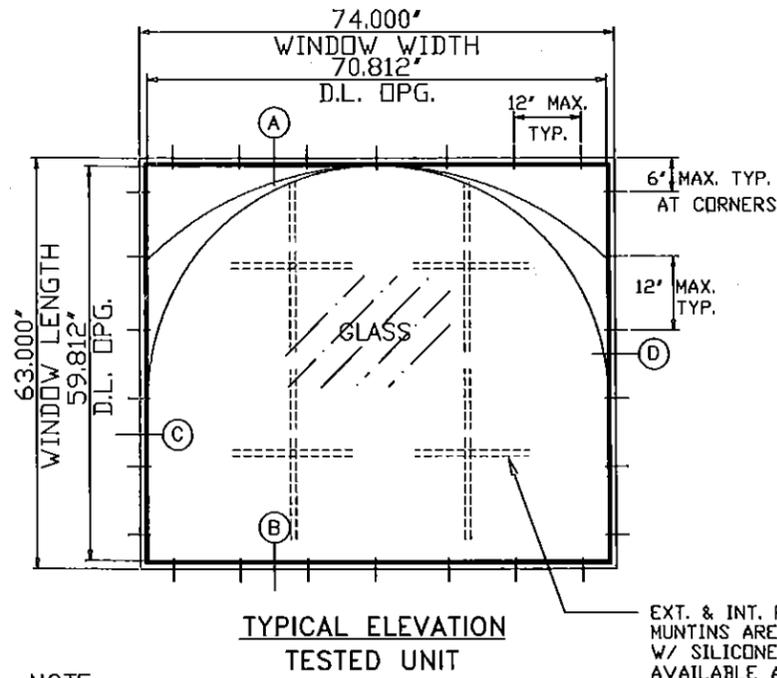


Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0908.18
Expiration Date: August 22, 2017
Approval Date: December 11, 2014

SERIES-4200 / 6200 FIXED IMPACT WINDOW - FLANGE FRAME

APPROVED WINDOW ELEVATIONS (L.M.IMPACT)

<p>QUARTER-ROUND ELEVATION</p>	<p>HALF-ROUND TYPICAL ELEVATION</p>	<p>ARCHED PICTURE WINDOW</p>
<p>HEXAGON TYPICAL ELEVATION</p>	<p>RECTANGULAR TYPICAL ELEVATION</p>	<p>SQUARE PICTURE WINDOW ELEVATION</p>
<p>FULL ROUND TYPICAL ELEVATION</p>	<p>RECTANGULAR TYPICAL ELEVATION</p>	<p>SQUARE PICTURE WINDOW ELEVATION</p>
<p>OVAL TYPICAL ELEVATION</p>	<p>LEGGED EYE BROW ELEVATION</p>	<p>QUARTER-ROUND ELEVATION</p>
<p>OCTAGON TYPICAL ELEVATION</p>	<p>"ELLIPTICAL" TYPICAL ELEVATION</p>	<p>ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN, CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN A SQUARE OR RECTANGLE, AS SHOW IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES. PROVIDED PERIMETER FASTENERS ARE AS DESCRIBED HEREIN FOR SIZE AND SPACING.</p>



TYPICAL ELEVATION TESTED UNIT

NOTE:
MAXIMUM GLASS AREA TESTED APPLIES TO GLASS TYPES: E, F, J, K AND L. - SEE DESIGN LOAD CAPACITY TABLES ON SHEET 4 FOR SIZE LIMITATIONS OF EACH GLASS TYPE.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 14-0908.18
Expiration Date 08/22/2017
By: *[Signature]*
Miami Dade Product Control
EXT. & INT. FALSE COLONIAL MUNTINS ARE APPLIED W/ W/ SILICONE AND ARE AVAILABLE AS OPTIONAL.

WINDOWS ARE L.M. IMPACT
MIAMI-DADE COUNTY APPROVED
SHUTTERS NOT REQUIRED

General Notes:

- 1.) THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE VELOCITY (HVHZ) AND ASTM 1300-04. THIS PRODUCT IS IMPACT RESISTANT. (SHUTTERS NOT REQUIRED)
- 2.) WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH THE REQUIREMENTS OF 2014 F.B.C. & TO BE REVIEWED BY BUILDING OFFICIAL.
- 3.) ANCHORS SHOWN ABOVE ARE AS PER TEST UNITS. ANCHORS ON ALL WINDOW SIZES ARE NOT TO EXCEED THESE MAXIMUM SPACINGS ON CENTER (O.C.) .
- 4.) ANCHOR CONDITIONS NOT DESCRIBED IN THESE DRAWING'S ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS, UNDER SEPARATE APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.
- 5.) WINDOWS ARE QUALIFIED FOR USE WITH SINGLE GLAZE LAMINATED GLASS TYPES, AND FOR USE WITH DOUBLE GLAZE LAMINATED INSULATED GLASS TYPES TABULATED HEREIN; (SEE SHEET #3 FOR GLASS TYPES AND SHEET #4 FOR MAX. DESIGN PRESSURES).
- 6.) WINDOWS WITH GLASS TYPES "B, C, F, OR G" INSTALLED ABOVE 30ft. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED TO COMPLY WITH THE SMALL MISSILE IMPACT RESISTANCE REQUIREMENTS (FBC-2014, Section 2411.3.3.7).
- 7.) FOR OPTIONAL FRAME INSTALLATION DETAILS SEE SHEETS 2 & 5.
- 8.) EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND ARE APPLIED W/ SILICONE
- 9.) WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED AND ANCHORED (BY OTHERS), PRIOR TO WINDOW INSTALLATION. (SEE SHEET #2 FOR DETAIL & NOTES) WOOD BUCKS TO BE ANCHORED IN COMPLIANCE WITH THE 2014 FBC CHAPTER 24,
- 10.) APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE MULLED UNITS.
- 11.) MULLING FIXED WINDOWS WITH OTHER TYPES OF MIAMI-DADE COUNTY APPROVED PRODUCTS USING A MIAMI-DADE COUNTY APPROVED MULLION IN BETWEEN ARE ACCEPTABLE BUT THE LOWER DESIGN PRESSURE FROM THE WINDOWS OR MULLION APPROVAL WILL APPLY YO THE ENTIRE MULLED SYSTEM.
- 12.) SEE SHEET # 5 FOR MULLION/METAL ATTACHMENT DETAILS & OPTIONS.
- 13.) ALL METAL/STEEL IN CONTACT WITH ALUMINUM OR OTHER DISSIMILAR MATERIALS TO BE PAINTED OR PLATED AND SHALL MEET THE 2010 FLORIDA BLDG. CODE.

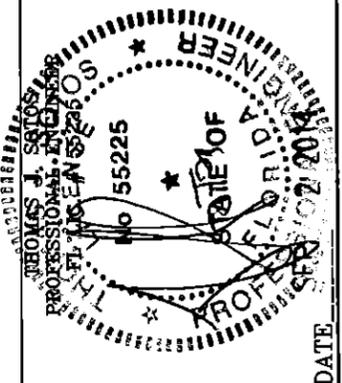
8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON
INDUSTRIES, INC.

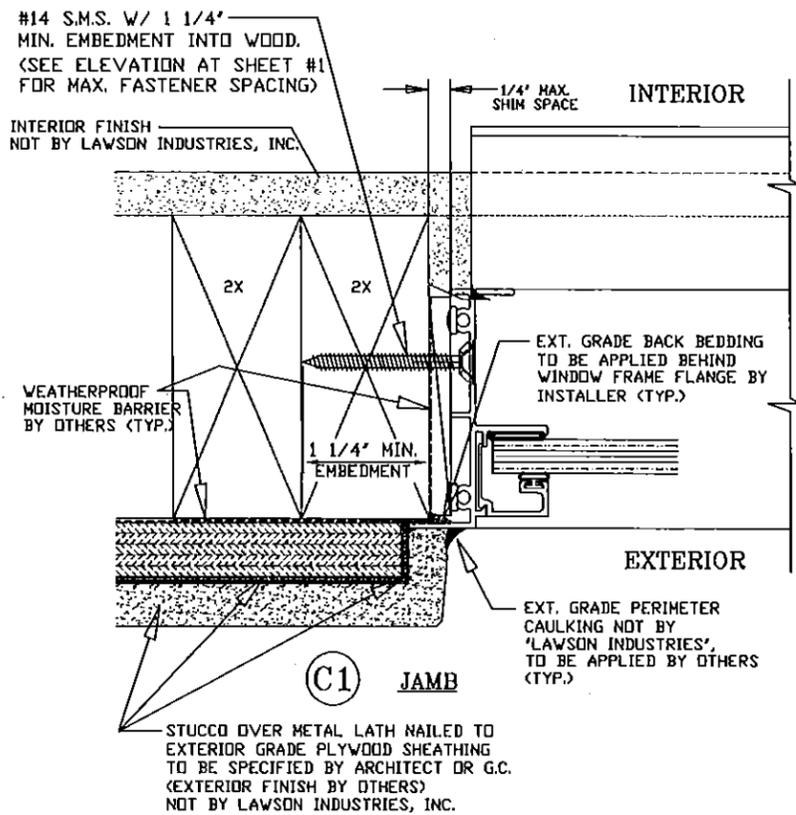
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
SERIES-4200-6200 FLANGE FRAME IMPACT FIXED WINDOW

APPROVED ELEVATIONS, CONFIGURATIONS AND NOTES
Drawing Number: L4200-6200-1201
Sheet: 1 OF 5
Revision #:

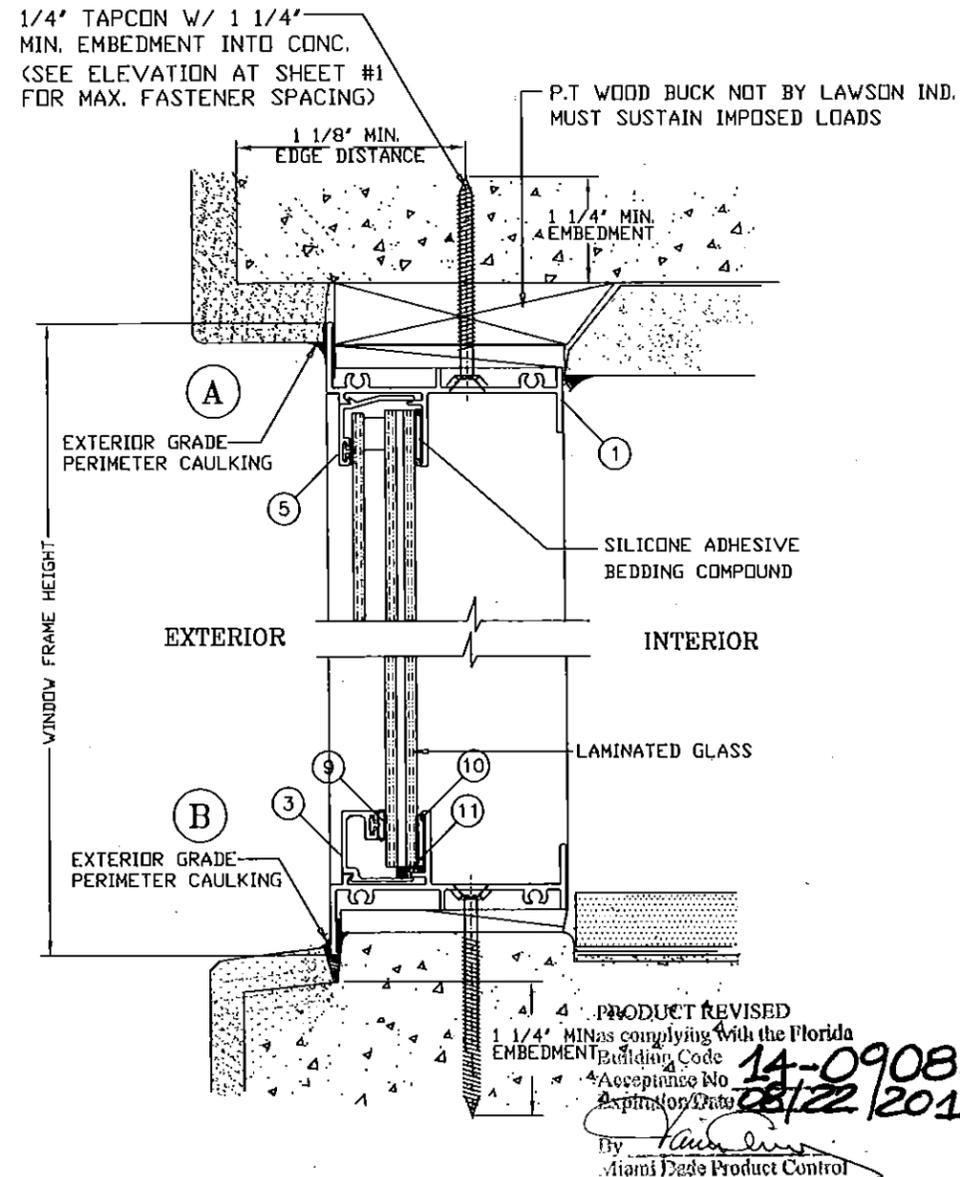
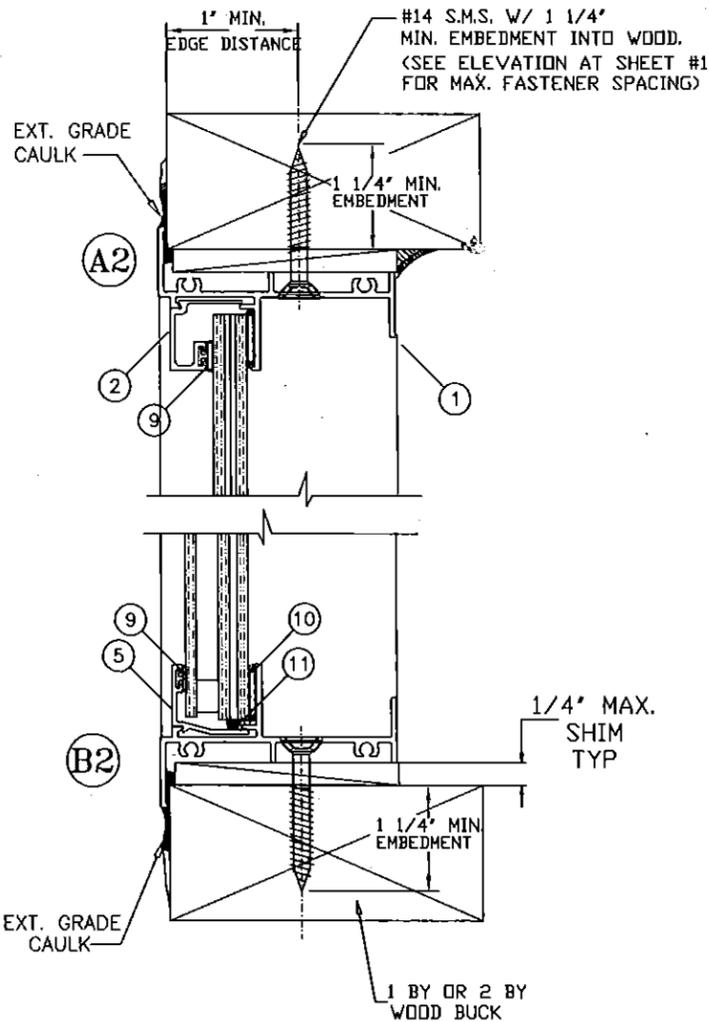
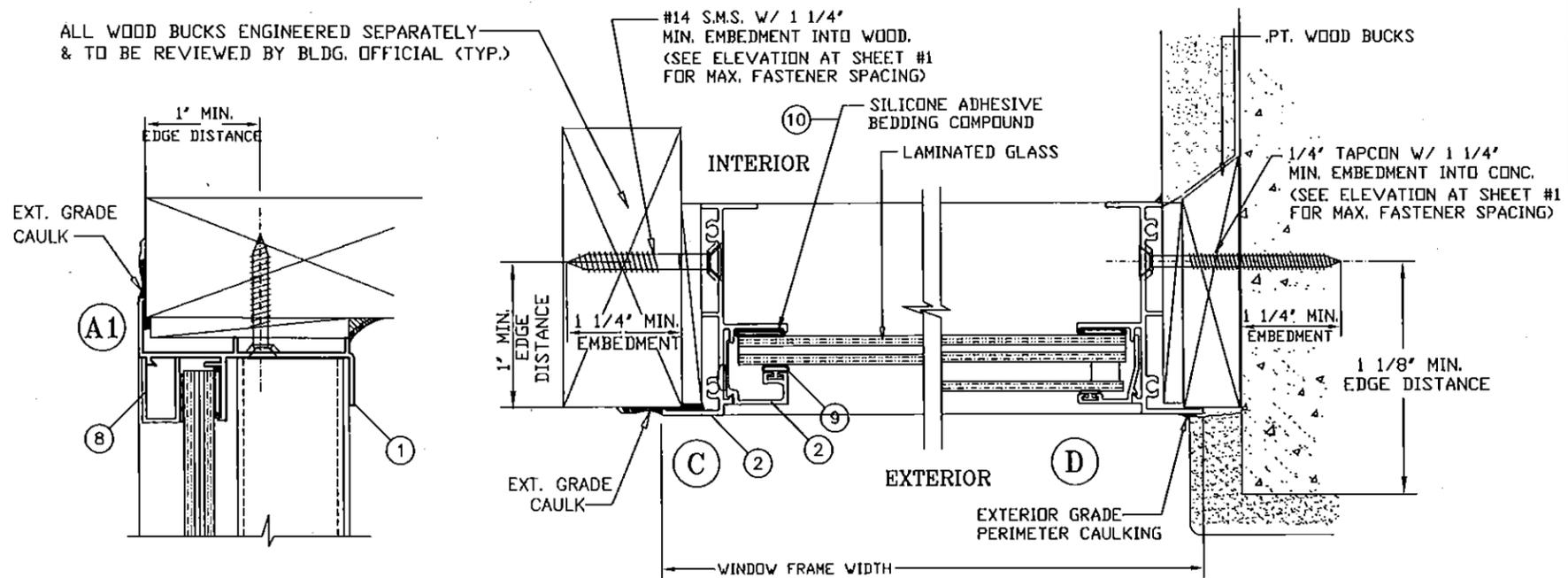
Revision Notes:	A. Revised date for the 2014 FBC
Drawn By:	N. ERAZO
Reviewed By:	N. ERAZO
Date Drawn:	02-21-12
Date Revised:	08/18/14
Scale:	A



DATE



WOOD FRAME INSTALLATION DETAIL



WINDOW INSTALLATION NOTES:

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

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

ANCHORS NOTE:

ANCHORS TO BE #12 SMS OR WD. SCREWS INTO WOOD, OR 1/4" TAPCONS OR APPROVED CONC. FASTENERS INTO CONC., WITH A MINIMUM OF 1 1/4" PENETRATION INTO WOOD OR CONC. AT 12" O.C. MAX.

LAWSON INDUSTRIES, INC.

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

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
SERIES-4200-6200 FLANGE FRAME IMPACT FIXED WINDOW
WINDOW VERTICAL AND HORIZONTAL CROSS SECTION, DETAILS & NOTES

Revision Notes:	A. Revised date for the 2014 FBC
Drawn By:	N. ERAZO
Reviewed By:	N. ERAZO
Date Drawn:	02-21-12
Date Revised:	06/18/14
Scale:	A

PROFESSIONAL ENGINEER
FL. P.C. # 55225

DATE NOV 24 2017

14-0908.18
28/22/2017

By *[Signature]*
Miami Dade Product Control

LAMINATED INSULATED GLASS COMPOSITION TYPE B		
ITEM	DESCRIPTION	DETAIL
1	1/8' ANN. GLASS	
2	0.090' SAFLEX PVB-SOLUTIA	
3	1/8' ANNEALED GLASS	
4	1/4' INSULATED AIR SPACE	
5 (*)	1/8' ANNEALED OR TEMPERED GLASS	

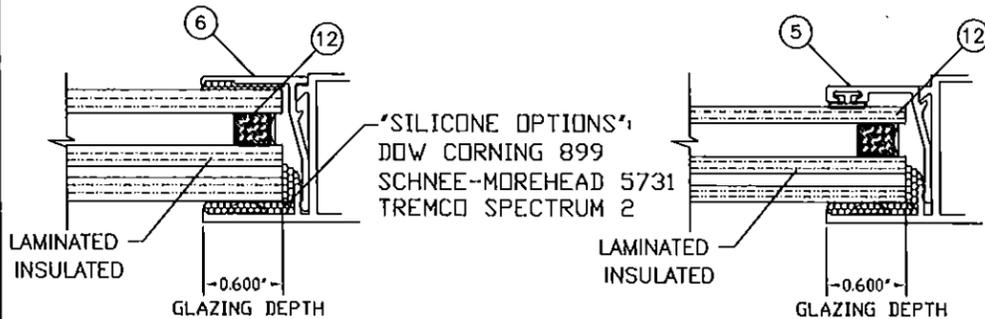
LAMINATED INSULATED GLASS COMPOSITION TYPE C		
ITEM	DESCRIPTION	DETAIL
1	1/8' ANNEALED GLASS	
2	0.090' SAFLEX PVB-SOLUTIA	
3	1/8' ANNEALED GLASS	
4	1/4' INSULATED AIR SPACE	
5 (*)	3/16' ANNEALED OR TEMPERED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE F		
ITEM	DESCRIPTION	DETAIL
1	1/8' HEAT-STRENGTHENED GLASS	
2	0.090' BUTACITE PVB-DUPONT	
3	1/8' HEAT-STRENGTHENED GLASS	
4	1/4' INSULATED AIR SPACE	
5 (*)	1/8' ANNEALED OR TEMPERED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE G		
ITEM	DESCRIPTION	DETAIL
1	1/8' HEAT-STRENGTHENED GLASS	
2	0.090' BUTACITE PVB-DUPONT	
3	1/8' HEAT-STRENGTHENED GLASS	
4	1/4' INSULATED AIR SPACE	
5 (*)	3/16' ANNEALED OR TEMPERED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE L		
ITEM	DESCRIPTION	DETAIL
1	3/16' HEAT-STRENGTHENED GLASS	
2	0.090' BUTACITE PVB-DUPONT	
3	3/16' HEAT-STRENGTHENED GLASS	
4	1/4' INSULATED AIR SPACE	
5	3/16' TEMPERED GLASS	

- Notes:
- SEE SHEET 4 FOR DESIGN LOADS LOAD CAPACITY TABLES.
 - * 2.) WINDOWS WITH GLASS TYPES "B, C, F, OR G" INSTALLED ABOVE 30 FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED TO COMPLY WITH THE SMALL MISSILE IMPACT RESISTANCE REQUIREMENTS (FBC-2010, Section 2411.3.3.7).



LAMINATED/INSULATED GLASS TYPICAL GLAZING DETAIL

5/16" LAMINATED GLASS COMPOSITION - TYPE A		
ITEM	GLASS DESCRIPTION	DETAIL
1	1/8' ANNEALED GLASS	
2	0.090' BUTACITE PVB-DUPONT	
3	1/8' ANNEALED GLASS	

5/16" LAMINATED GLASS COMPOSITION - TYPE D		
ITEM	GLASS DESCRIPTION	DETAIL
1	1/8' HEAT-STRENGTHENED GLASS	
2	0.090' BUTACITE PVB-DUPONT	
3	1/8' HEAT-STRENGTHENED GLASS	

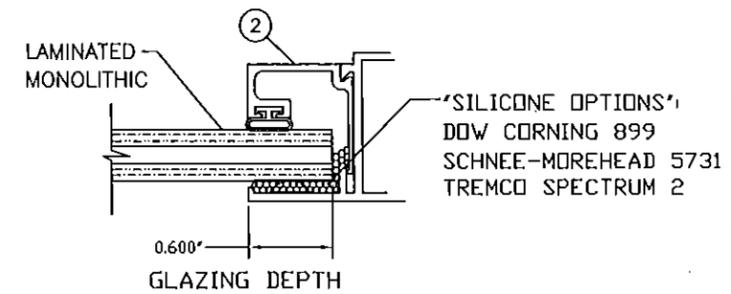
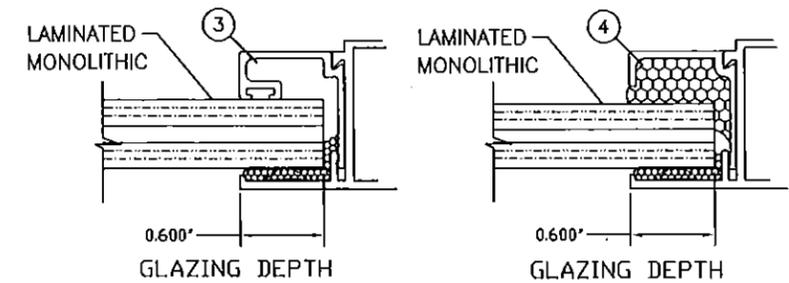
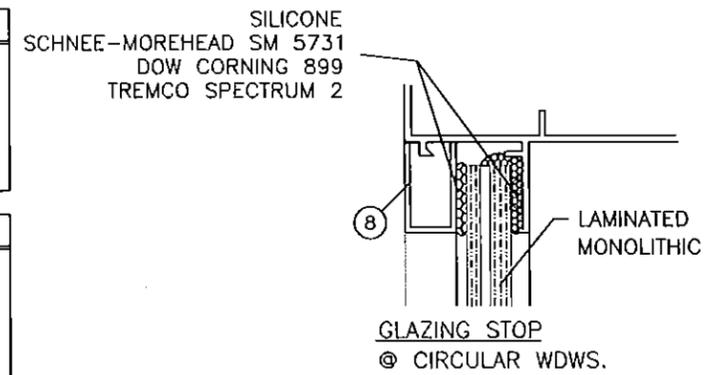
13/32" LAMINATED GLASS COMPOSITION - TYPE E		
ITEM	GLASS DESCRIPTION	DETAIL
1	3/16' HEAT-STRENGTHENED GLASS	
2	0.090' SAFLEX PVB-SOLUTIA	
3	1/8' HEAT-STRENGTHENED GLASS	

7/16" LAMINATED GLASS COMPOSITION - TYPE H		
ITEM	GLASS DESCRIPTION	DETAIL
1	3/16' ANNEALED GLASS	
2	0.090' SAFLEX PVB-SOLUTIA	
3	3/16' ANNEALED GLASS	

7/16" LAMINATED GLASS COMPOSITION - TYPE I		
ITEM	GLASS DESCRIPTION	DETAIL
1	3/16' ANNEALED GLASS	
2	0.090' BUTACITE PVB-DUPONT	
3	3/16' ANNEALED GLASS	

7/16" LAMINATED GLASS COMPOSITION - TYPE J		
ITEM	GLASS DESCRIPTION	DETAIL
1	3/16' HEAT-STRENGTHENED GLASS	
2	0.090' SGP-DUPONT	
3	3/16' HEAT-STRENGTHENED GLASS	

7/16" LAMINATED GLASS COMPOSITION - TYPE K		
ITEM	GLASS DESCRIPTION	DETAIL
1	3/16' HEAT-STRENGTHENED GLASS	
2	0.090' BUTACITE PVB-DUPONT	
3	3/16' HEAT-STRENGTHENED GLASS	



LAMINATED/MONOLITHIC GLASS
TYPICAL GLAZING DETAIL

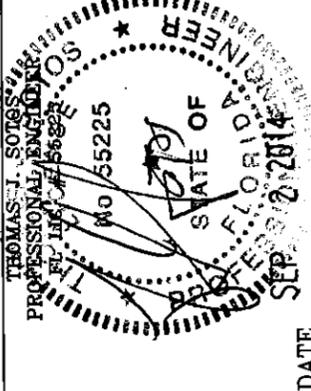
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LAWSON
INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
SERIES-4200-6200 FLANGE FRAME IMPACT FIXED WINDOW
LAMINATED GLASS TYPES AND GLAZING DETAILS

Product Reference Number: L4200-6200-1201
Drawing Number: L4200-6200-1201
Sheet: 3 OF 5
Revision #: 3 OF 5

Revision Notes:	A. Revised date for the 2014 FBC
Drawn By:	N. ERAZO
Checked By:	N. ERAZO
Revision Level:	A
Date Drawn:	02-21-12
Date Revised:	08/18/14
Scale:	



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0908.18
Expiration Date 08/22/2017

By: *[Signature]*
Miami Dade Product Control

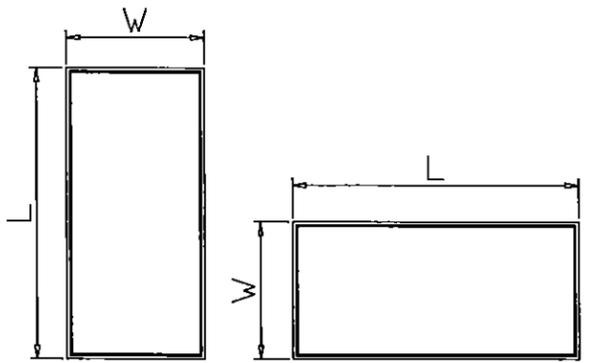
DATE

4200-6200 FIXED IMPACT WINDOW MODULAR SIZES CHART - DESIGN LOAD CAPACITY - PSF													
WINDOW DIMS.		GLASS TYPES											
WIDTH (in.)	LENGTH (in.)	A +/- DP	B +/- DP	C +/- DP	D +/- DP	E +/- DP	F +/- DP	G +/- DP	H +/- DP	I +/- DP	J +/- DP	K +/- DP	L +/- DP
24"	36"	68	68	68	68	65	68	68	68	68	78	65	68
30"		68	68	68	68	65	68	68	68	68	78	65	68
36"		68	68	68	68	65	68	68	68	68	78	65	68
42"		68	68	68	68	65	68	68	68	68	78	65	68
48"		68	68	68	68	65	68	68	68	68	78	65	68
54"		68	68	68	68	65	68	68	68	68	78	65	68
60"	68	68	68	68	65	68	68	68	68	78	65	68	
24"	48"	68	68	68	68	65	68	68	68	68	78	65	68
30"		68	68	68	68	65	68	68	68	68	78	65	68
36"		68	68	68	68	65	68	68	68	68	78	65	68
42"		68	68	68	68	65	68	68	64.7	58.3	78	65	68
48"		68	68	68	68	65	68	68	56.6	51	78	65	68
54"		X	X	X	68	65	68	68	56.6	51	78	65	68
60"	X	X	X	68	65	68	68	X	X	78	65	68	
24"	60"	68	68	68	68	65	68	68	68	68	78	65	68
30"		68	68	68	68	65	68	68	68	68	78	65	68
36"		68	68	68	68	65	68	68	68	68	78	65	68
42"		X	X	X	68	65	68	68	64.7	58.3	78	65	68
48"		X	X	X	68	65	68	68	X	X	78	65	68
54"		X	X	X	X	65	X	X	X	X	78	65	68
60"	X	X	X	X	65	X	X	X	X	78	65	68	
24"	72"	68	68	68	68	65	68	68	68	68	78	65	68
30"		68	68	68	68	65	68	68	68	68	78	65	68
36"		X	X	X	68	65	68	68	65.5	68	78	65	68
42"		X	X	X	X	65	68	X	X	X	78	65	68
48"		X	X	X	X	65	X	X	X	X	78	65	68
54"		X	X	X	X	65	X	X	X	X	74.7	65	68
60"	X	X	X	X	65	X	X	X	X	72	65	68	
24"	74"	68	68	68	68	65	68	68	68	68	78	65	68
30"		68	68	68	68	65	68	68	68	68	78	65	68
36"		X	X	X	68	65	68	68	64.9	68	78	65	68
42"		X	X	X	X	65	X	X	X	X	78	65	68
48"		X	X	X	X	65	X	X	X	X	75.6	65	68
54"		X	X	X	X	65	X	X	X	X	71.5	65	68
60"	X	X	X	X	65	X	X	X	X	68.7	65	68	
24"	84"	68	68	68	68	65	68	68	68	68	78	65	68
30"		X	X	X	68	65	68	68	68	68	78	65	68
36"		X	X	X	X	65	68	X	X	X	78	65	68
42"		X	X	X	X	65	X	X	X	X	78	65	68
48"		X	X	X	X	65	X	X	X	X	73.5	65	68
60"		X	X	X	X	65	X	X	X	X	76.8	65	68
24"	108"	X	X	X	68	65	68	68	68	68	78	65	68
30"		X	X	X	X	65	X	X	X	X	78	65	68
36"		X	X	X	X	65	X	X	X	X	74.7	65	68
24"	120"	X	X	X	68	65	68	68	X	X	78	65	68
30"		X	X	X	X	65	X	X	X	X	78	65	68
36"		X	X	X	X	65	X	X	X	X	74.1	65	68

4200-6200 FIXED IMPACT WINDOW COMMODITY SIZES CHART - DESIGN LOAD CAPACITY - PSF														
WINDOW DIMS.		GLASS TYPES												
WIDTH (in.)	LENGTH (in.)	A +/- DP	B +/- DP	C +/- DP	D +/- DP	E +/- DP	F +/- DP	G +/- DP	H +/- DP	I +/- DP	J +/- DP	K +/- DP	L +/- DP	
19-1/8"	26"	68	68	68	68	65	68	68	68	68	78	65	68	
26-1/2"		68	68	68	68	65	68	68	68	68	78	65	68	
37"		68	68	68	68	65	68	68	68	68	78	65	68	
48"		68	68	68	68	65	68	68	68	68	78	65	68	
53-1/8"		68	68	68	68	65	68	68	68	68	78	65	68	
19-1/8"	38-3/8"	68	68	68	68	65	68	68	68	68	78	65	68	
26-1/2"		68	68	68	68	65	68	68	68	68	78	65	68	
37"		68	68	68	68	65	68	68	68	66.2	66.2	78	65	68
48"		68	68	68	68	65	68	68	68	63.8	63.8	78	65	68
53-1/8"		68	68	68	68	65	68	68	68	63.8	63.8	78	65	68
19-1/8"	50-5/8"	68	68	68	68	65	68	68	68	68	78	65	68	
26-1/2"		68	68	68	68	65	68	68	68	68	78	65	68	
37"		68	68	68	68	65	68	68	68	66.2	66.2	78	65	68
48"		X	X	X	68	65	68	68	68	X	51	78	65	68
53-1/8"		X	X	X	68	65	68	68	68	X	X	78	65	68
19-1/8"	58"	68	68	68	68	65	68	68	68	68	78	65	68	
26-1/2"		68	68	68	68	65	68	68	68	68	78	65	68	
37"		68	68	68	68	65	68	68	68	X	66.2	78	65	68
48"		X	X	X	68	65	68	68	68	X	X	78	65	68
53-1/8"		X	X	X	X	65	68	68	68	X	X	78	65	68
19-1/8"	63"	68	68	68	68	65	68	68	68	68	78	65	68	
26-1/2"		68	68	68	68	65	68	68	68	68	78	65	68	
37"		X	X	X	68	65	68	68	68	X	66.2	78	65	68
48"		X	X	X	X	65	68	68	68	X	X	78	65	68
53-1/8"		X	X	X	X	65	68	68	68	X	X	78	65	68
19-1/8"	74"	68	68	68	68	65	68	68	68	68	78	65	68	
26-1/2"		68	68	68	68	65	68	68	68	X	68	78	65	68
37"		X	X	X	68	65	68	68	68	X	X	78	65	68
48"		X	X	X	X	65	68	68	68	X	X	75.6	65	68
53-1/8"		X	X	X	X	65	68	68	68	X	X	72	65	68
19-1/8"	74-1/4"	68	68	68	68	65	68	68	68	68	78	65	68	
26-1/2"		68	68	68	68	65	68	68	68	X	68	78	65	68
37"		X	X	X	68	65	68	68	68	X	X	78	65	68
48"		X	X	X	X	65	68	68	68	X	X	75.2	65	68
53-1/8"		68	68	68	68	65	68	68	68	X	X	71.6	65	68

Notes (*):

- SEE SHEET 3 FOR GLAZING TYPES, DETAILS & SILICONE OPTIONS.
- ✳️ WINDOWS WITH GLASS TYPES "B, C, F, OR G" INSTALLED ABOVE 30 FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED TO COMPLY WITH THE SMALL MISSILE IMPACT RESISTANCE REQUIREMENTS (FBC-2014, Section 2411.3.3.7).



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0908-18
Expiration Date 08/22/2017
By [Signature]
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

SERIES-4200-6200 FLANGE FRAME IMPACT FIXED WINDOW
LAMINATED GLASS DESIGN PRESSURE CHARTS

Product Reference Number: L4200-6200-1201

Drawing Number: 4 OF 5

Revision #:

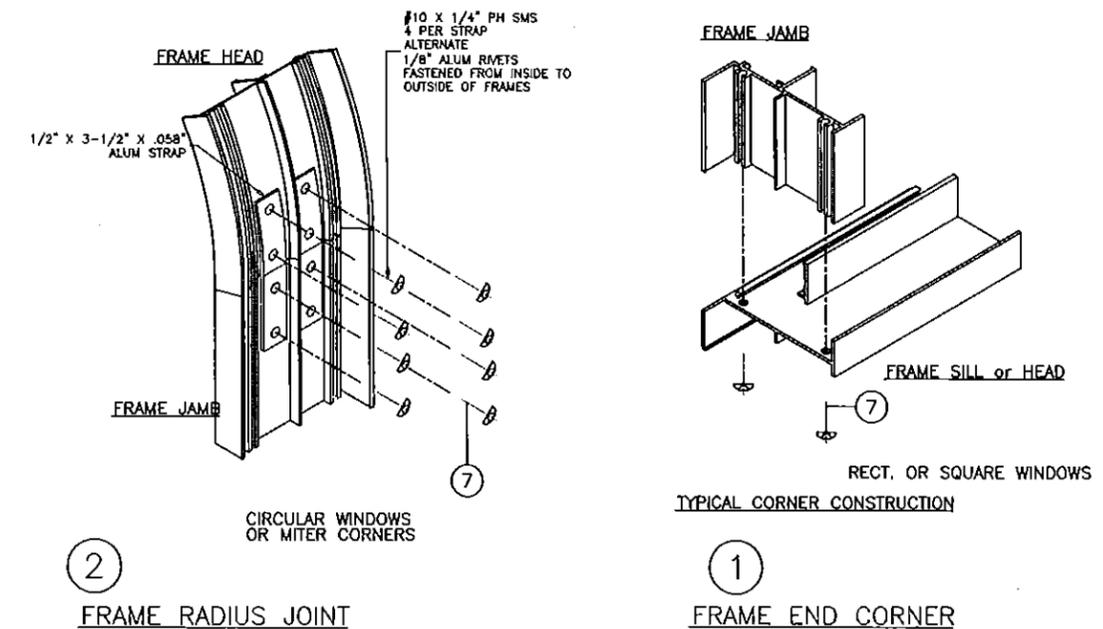
Revised date for the 2014 FBC	Date Drawn: 02-21-12
	Date Revised: 08/18/14
Drawn By: N. ERAZO	Scale: A
Revised By: N. ERAZO	
Revised Level: A	

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FLORIDA
LICENSE # 33225
NA # 5225

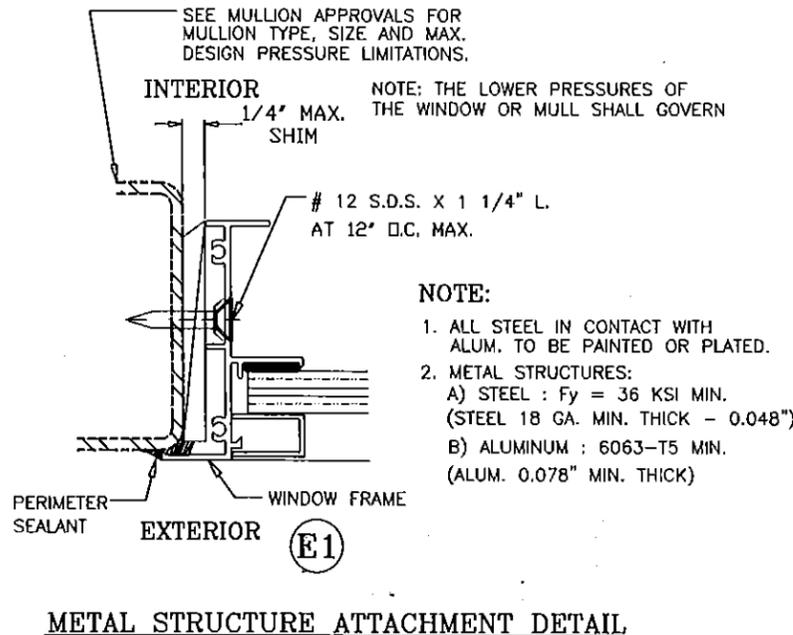
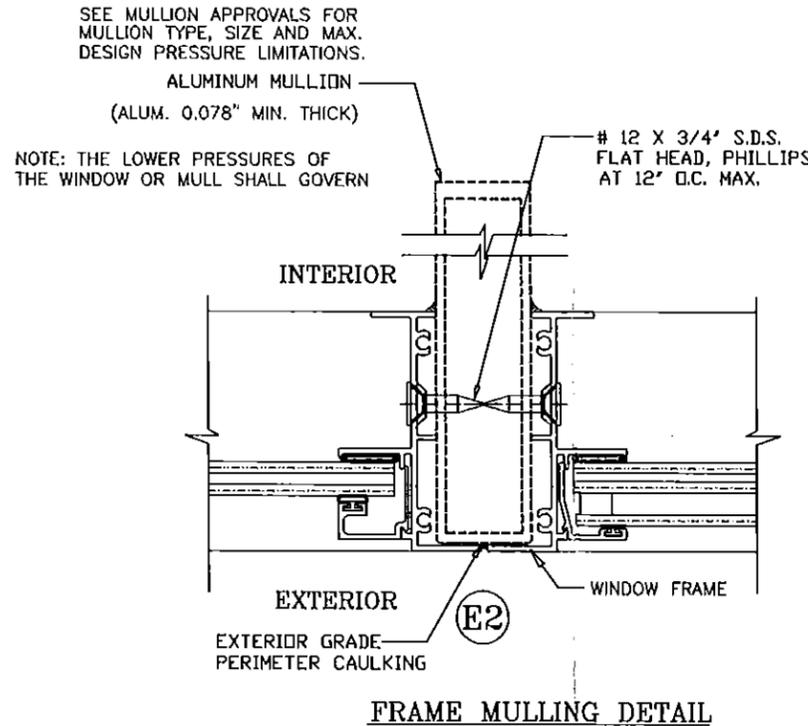
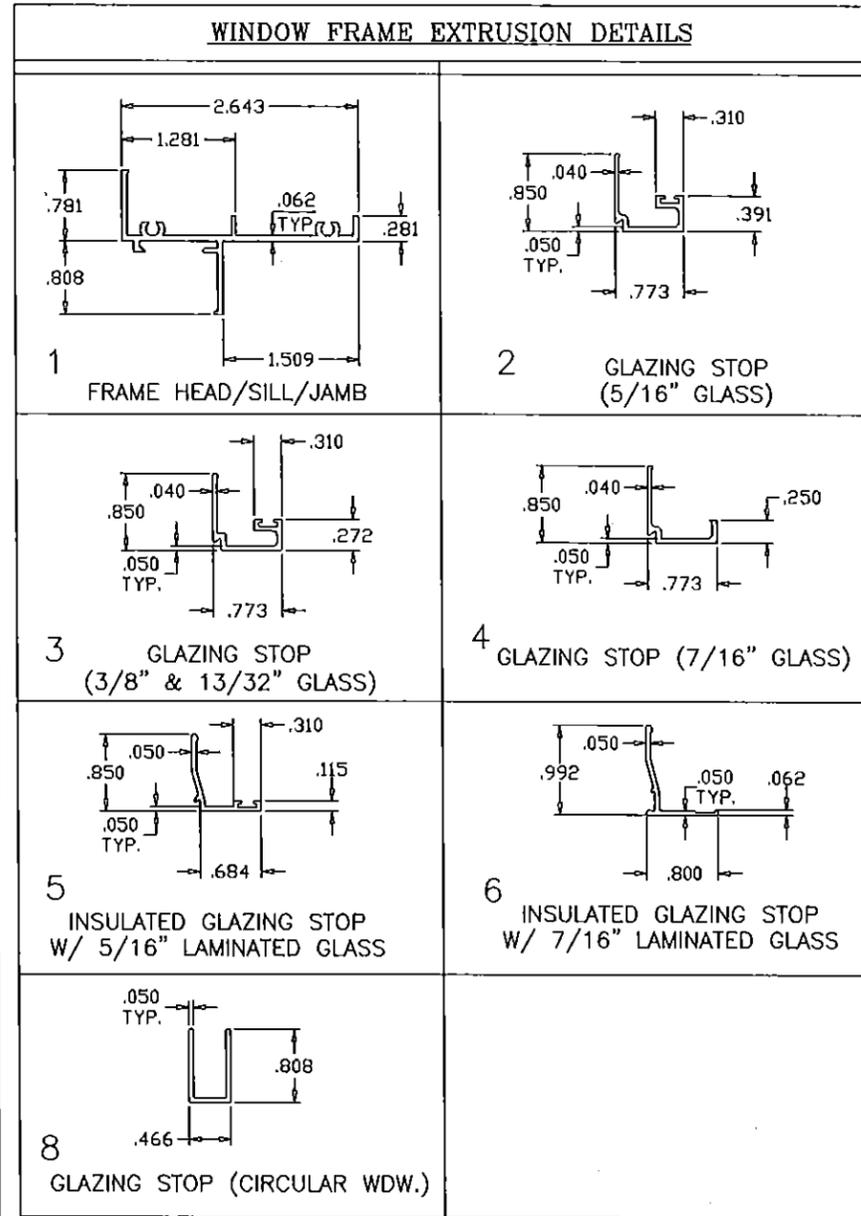
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DATE

BILL OF MATERIALS					
ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	REMARKS
1	L-4201	2	FRAME HEAD/SILL/JAMB	6063-T6	-
2	L-7708	4	GLAZING BEAD (5/16" GLASS)	6063-T6	-
3	L-7708	4	GLAZING BEAD (3/8" & 13/32" GLASS)	6063-T6	-
4	L-7708 TRIMMED	4	GLAZING BEAD (7/16" GLASS)	6063-T6	-
5	L-7711	4	GLAZING BEAD (5/16" GLASS- INSULATED)	6063-T6	-
6	L-6211	4	GLAZING BEAD (7/16" GLASS - INSULATED)	6063-T6	-
7	#8 X 3/4"	2/ CORNER	ASSEMBLY SCREWS	-	P.H. PHILLIPS
8	L-4204	AS REQD.	GLAZING BEAD AT CIRCULAR WDWS.	6063-T5	-
9	VWS-004	AS REQD.	GLAZING GASKET	SOFT PVC	-
10	*	AS REQD.	GLAZING SILICONE	*	-
11	PL 75.6020	AS REQD.	GLAZING SETTING BLOCK	SOFT PVC	1/8" X 1/8" X 2"
12	812-25H-357	AS REQD.	"TruSeal" Dura Seal Swiggle Spacer	1/4" BLACK	1/4" AIR SPACE



SEALANT:
 FRAME CORNERS, OR JOINTS SEALED WITH A COLORED SEALANT AND PERIMETER OF GLAZING BEAD WITH CLEAR SILICONE



LAWSON INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

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

SERIES-4200-6200 FLANGE FRAME IMPACT FIXED WINDOW

BILL OF MATERIALS, EXTRUSION DETAILS & CORNER ASSEMBLY DETAILS

Drawing Number: L4200-6200-1201

Sheet 5 OF 5

Revision #:

Product Reference Number:

A. Revised date for the 2014 FBC

Data Drawn: 02-21-12

Data Revised: 08/18/14

Scale: A

Drawn By: N. ERAZO

Revised By: N. ERAZO

Revision Level: A

REVISION NOTES

1. ALL STEEL IN CONTACT WITH ALUM. TO BE PAINTED OR PLATED.

2. METAL STRUCTURES:

A) STEEL : Fy = 36 KSI MIN. (STEEL 18 GA. MIN. THICK - 0.048")

B) ALUMINUM : 6063-T5 MIN. (ALUM. 0.078" MIN. THICK)

THOMAS J. SOTO
 PROFESSIONAL ENGINEER
 No. 55225
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

DATE

PRODUCT REVISED
 as complying with the Florida Building Code
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 By: [Signature]
 Miami Dade Product Control