



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
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/pera

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 PERA - 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. PERA 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 "4300/6300 Fin Frame" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. L4300-6300-1201, titled "Series-4300-6300 Fin Frame Impact Fixed Window", sheets 1 through 5 of 5, dated 02/21/12, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA 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.**



MP
7/13/12

NOA No. 12-0416.10
Expiration Date: July 19, 2017
Approval Date: July 19, 2012
Page 1

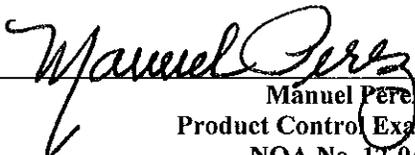
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **L4300-6300-1201**, titled "Series-4300-6300 Fin Frame Impact Fixed Window", sheets 1 through 5 of 5, dated 02/21/12, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.

B. TESTS

1. Test reports on: 1) Cyclic Wind Pressure Loading per FBC, TAS 203-94
2) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of an arch fin frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-12-4011**, dated 03/14/12, signed and sealed by Rafael Droz-Seda, P.E.
2. Test reports on: 1) Cyclic Wind Pressure Loading per FBC, TAS 203-94
2) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of a rectangular fin frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-11-3362**, dated 03/14/12, signed and sealed by Rafael Droz-Seda, P.E.
3. Test reports on: 1) Cyclic Wind Pressure Loading per FBC, TAS 203-94
2) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of a rectangular fin frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-09-2540**, dated 09/04/09, signed and sealed by Candido F. Font, P.E.
4. Test report 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 Report No. **HETI-09-2539**, dated 09/04/09, signed and sealed by Candido F. Font, P.E.
5. Test reports on: 1) Cyclic Wind Pressure Loading per FBC, TAS 203-94
2) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of a rectangular fin frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-09-2538**, dated 09/04/09, signed and sealed by Candido F. Font, P.E.
6. Test reports on: 1) Cyclic Wind Pressure Loading per FBC, TAS 203-94
2) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of an elliptical arch fin frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-09-2536**, dated 09/04/09, signed and sealed by Candido F. Font, P.E.



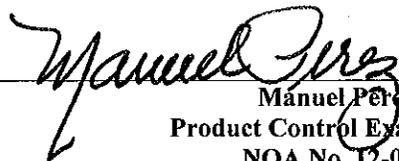
Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0416.10

Expiration Date: July 19, 2017
Approval Date: July 19, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

7. Test report 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 Report No. **HETI-07-4379**, dated 10/23/08, signed and sealed by Candido F. Font, P.E.
8. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a circular arch fin frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2026**, dated 10/23/08, signed and sealed by Candido F. Font, P.E.
9. Test reports on: 1) Cyclic Wind Pressure Loading per FBC, TAS 203-94
2) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of a circular arch fin frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2027**, dated 10/23/08, signed and sealed by Candido F. Font, P.E.
10. Test reports on: 1) Cyclic Wind Pressure Loading per FBC, TAS 203-94
2) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of a rectangular fin frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2029**, dated 10/23/08, signed and sealed by Candido F. Font, P.E.
11. Test report on: 1) Cyclic Wind Pressure Loading per FBC, TAS 203-94
2) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of a rectangular fin frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2030**, dated 10/23/08, signed and sealed by Candido F. Font, P.E.
12. Test report 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 Report No. **HETI-08-2218A**, dated 11/18/08, signed and sealed by Candido F. Font, P.E.
13. 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 fin frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2218B**, dated 11/18/08, signed and sealed by Candido F. Font, P.E.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 12-0416.10

Expiration Date: July 19, 2017
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C. CALCULATIONS

1. Anchor verification calculations and structural analysis prepared by manufacturer, complying with FBC-2010, dated 03/13/12, signed and sealed by Thomas J. Sotos, P.E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.
2. Notice of Acceptance No. **11-0325.05** issued to Solutia, Inc. for their "**Saflex and Vanceva clear and color interlayers**" dated 05/05/11, expiring on 05/21/16

F. STATEMENTS

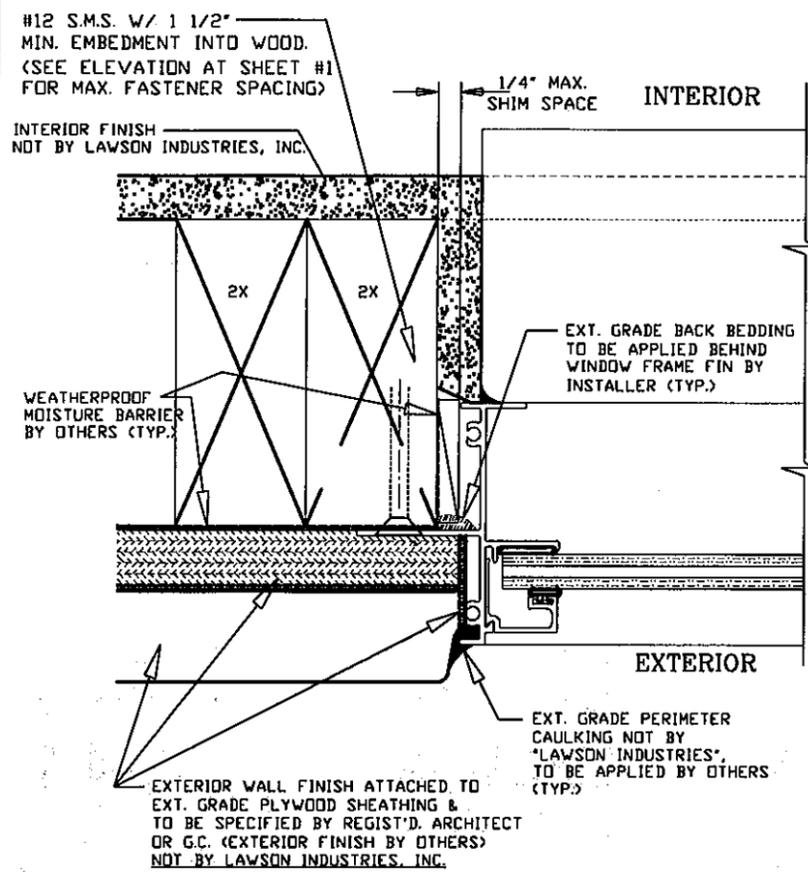
1. Statement letter of conformance, complying with FBC-2010, dated April 11, 2012, signed and sealed by Thomas J. Sotos, P.E.
2. Statement letter of no financial interest, dated April 11, 2012, signed and sealed by Thomas J. Sotos, P.E.
3. Proposal No. **07-2527** issued by Product Control, dated March 29, 2007, signed by Manuel Perez, P.E.

G. OTHER

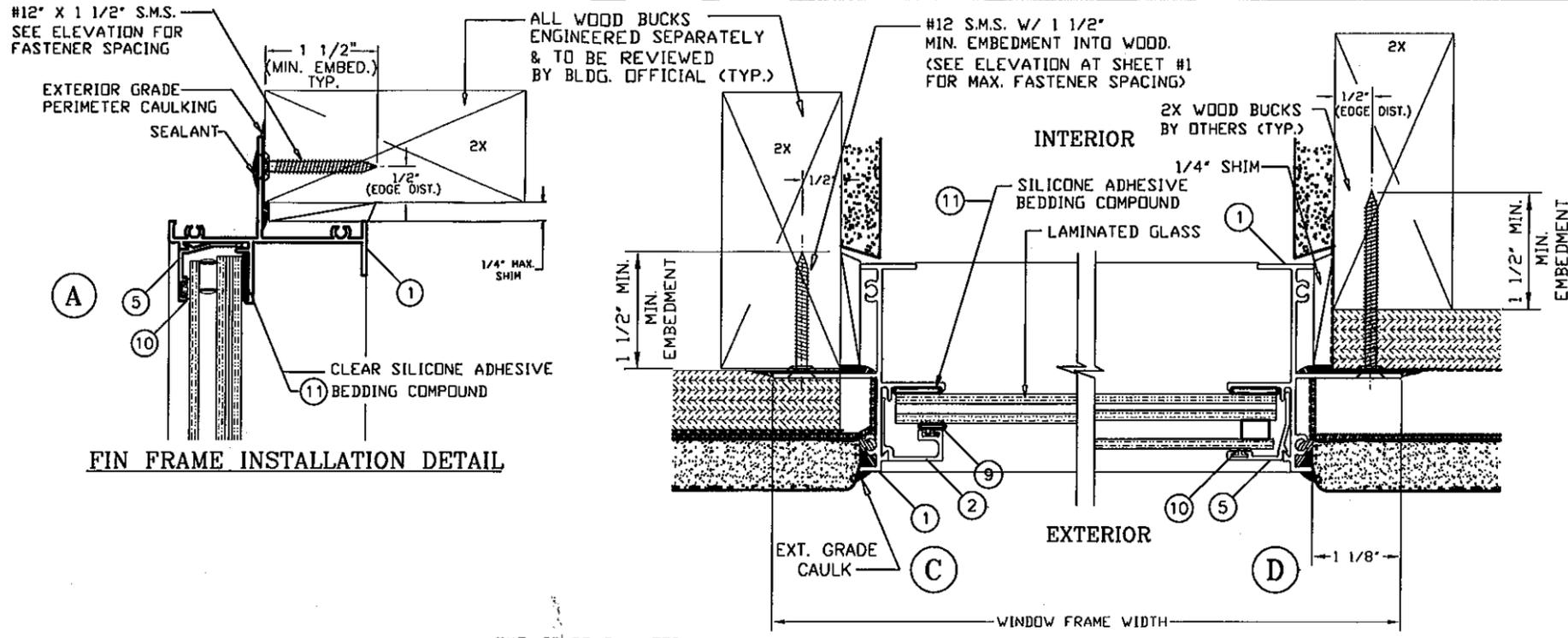
1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0416.10

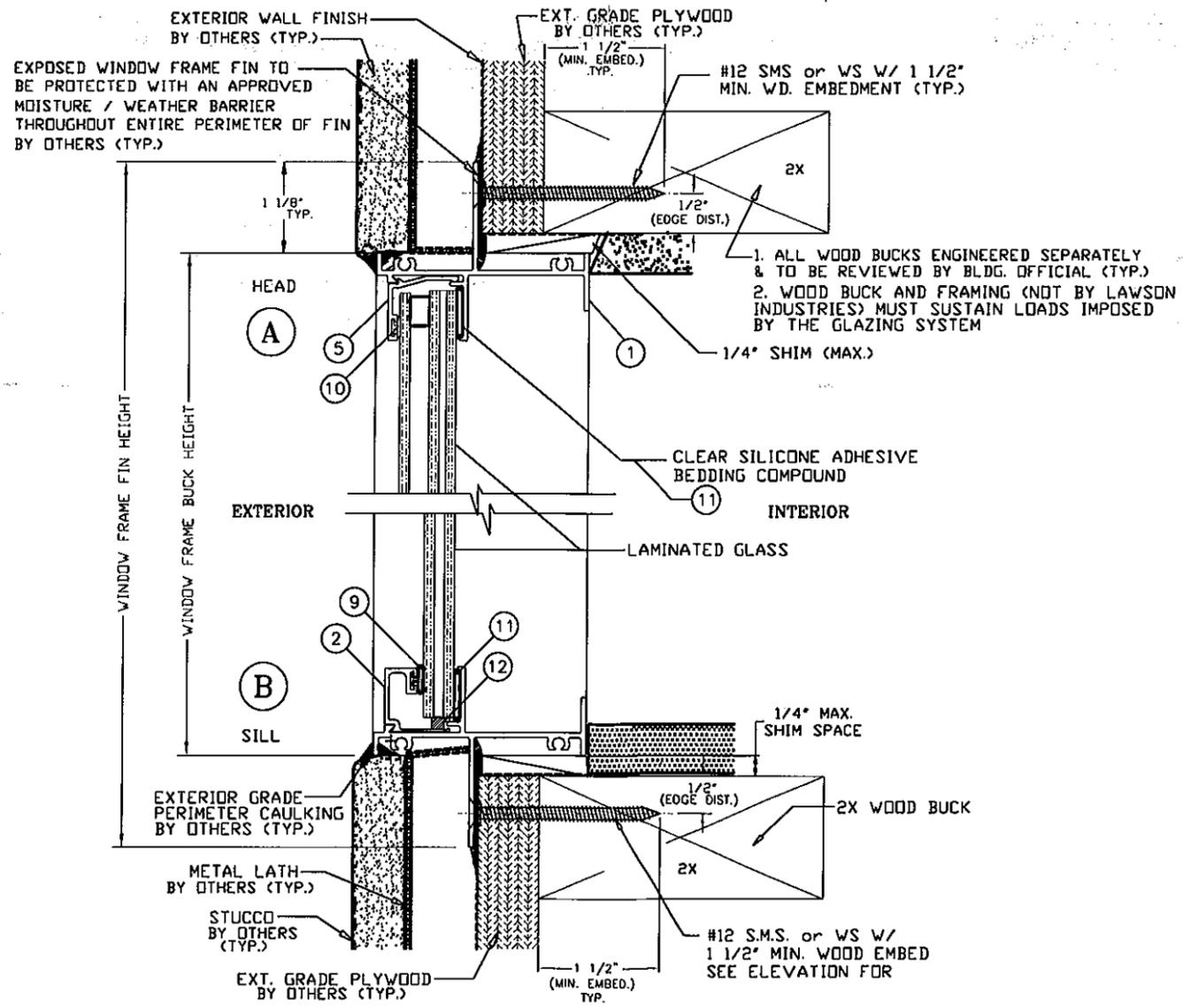
Expiration Date: July 19, 2017
Approval Date: July 19, 2012



(C1) WOOD FRAME INSTALLATION DETAIL



FIN FRAME INSTALLATION DETAIL



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.)

* 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, WITH A MINIMUM OF 1 1/2" PENETRATION INTO 2x WOOD AT 12" O.C. MAX.

LAWSON INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES-4300-6300 FIN FRAME IMPACT FIXED WINDOW

WINDOW VERTICAL AND HORIZONTAL CROSS SECTION, DETAILS & NOTES

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

Date Drawn:	02-21-12
Date Revised:	
Drawn By:	N. ERAZO
Revised By:	
Revision Level:	
Scale:	

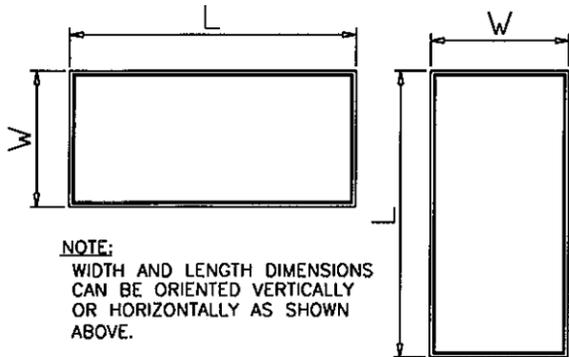
THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL REG. # 15525

Approved as complying with the Florida Building Code
Date July 19, 2012
NOA# 12-0416-10
Miami Code Product Control
By Manuel Perez

Professional Engineer Seal for Thomas J. Sotos, State of Florida, License No. 15525. The seal is circular with the text 'PROFESSIONAL ENGINEER STATE OF FLORIDA' around the perimeter and 'THOMAS J. SOTOS' in the center.

DESIGN LOAD CAPACITY - PSF													
WINDOW BUCK DIMS		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'D'		GLASS TYPE 'E'		GLASS TYPE 'F'		GLASS TYPE 'G&H'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)								
18-1/8"	25"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
62"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
18-1/8"	37-3/8"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
62"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
18-1/8"	49-5/8"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
62"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
18-1/8"	57"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
62"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
18-1/8"	62"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		57.00	57.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	57.00	57.00	60.00	60.00
52-1/8"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
62"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
18-1/8"	73"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
52-1/8"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
62"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
18-1/8"	73-1/4"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
52-1/8"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
62"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
A: ASTM E1300-04



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 B		
ITEM	GLASS DESCRIPTION	DETAIL
1	1/8" HEAT-STRENGTHENED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	1/8" HEAT-STRENGTHENED GLASS	

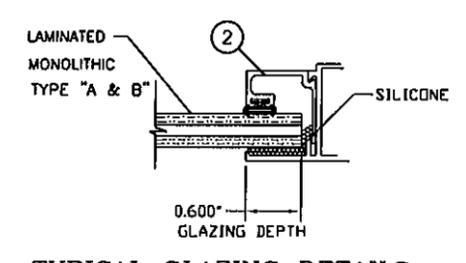
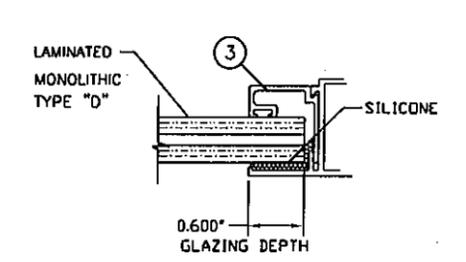
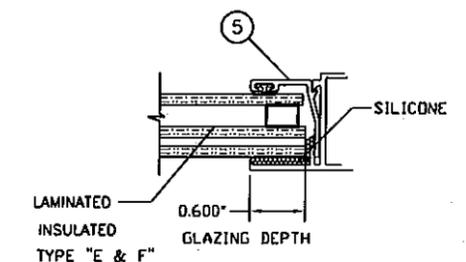
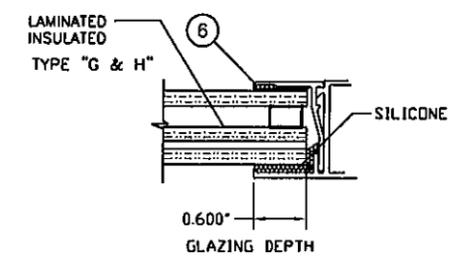
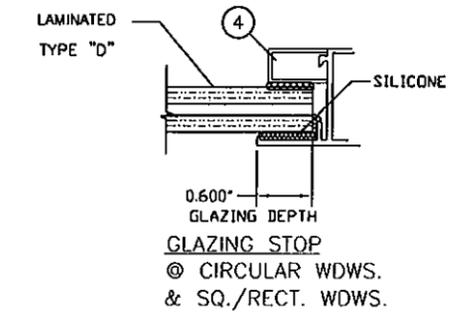
7/16" LAMINATED GLASS COMPOSITION - TYPE D		
ITEM	GLASS DESCRIPTION	DETAIL
1	3/16" HEAT-STRENGTHENED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	3/16" HEAT-STRENGTHENED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE E		
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" ANNEALED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE F		
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	1/8" HEAT-STRENGTHENED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE G		
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" ANNEALED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE H		
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 GLASS	



TYPICAL GLAZING DETAILS

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

LAWSON INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES-4300-6300 FIN FRAME IMPACT FIXED WINDOW

INSULATED-LAMINATED GLASS DESIGN PRESSURE CHARTS

Product Reference Number: L4300-6300-1201

Sheet: 3 OF 5

Revision #:

Revision Notes:

Drawn By: N. ERAZO

Date Drawn: 02-21-12

Revised By:

Date Revised:

Scale:

Approved as complying with the Florida Building Code

Date: 12/14/12

NOA# 12-0416-10

Miami Code Product Control

By: *Mmanuel Perez*

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC# 145225

STATE OF FLORIDA
PROFESSIONAL ENGINEER

DATE

DESIGN LOAD CAPACITY - PSF

WINDOW BUCK DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'D'		GLASS TYPE 'E'		GLASS TYPE 'F'		GLASS TYPE 'G' & 'H'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)								
23"	35"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
53"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
59"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00	
23"	47"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
53"		57.00	57.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
59"	53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00	
23"	59"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		57.00	57.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
47"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
53"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
59"	-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00	
23"	71"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		55.80	55.80	52.00	52.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
53"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
59"	-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00	
23"	73"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		53.90	53.90	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
53"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
59"	-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00	
23"	83"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		54.70	54.70	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
47"	-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00	
23"	95"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		49.70	49.70	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	107"	57.00	57.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
29"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	119"	53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
29"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
A: ASTM E1300-04

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 B

ITEM	GLASS DESCRIPTION	DETAIL
1	1/8" HEAT-STRENGTHENED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	1/8" HEAT-STRENGTHENED GLASS	

7/16" LAMINATED GLASS COMPOSITION - TYPE D

ITEM	GLASS DESCRIPTION	DETAIL
1	3/16" HEAT-STRENGTHENED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	3/16" HEAT-STRENGTHENED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE E

ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" BUTACITE PVB-DUPONT	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" ANNEALED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE F

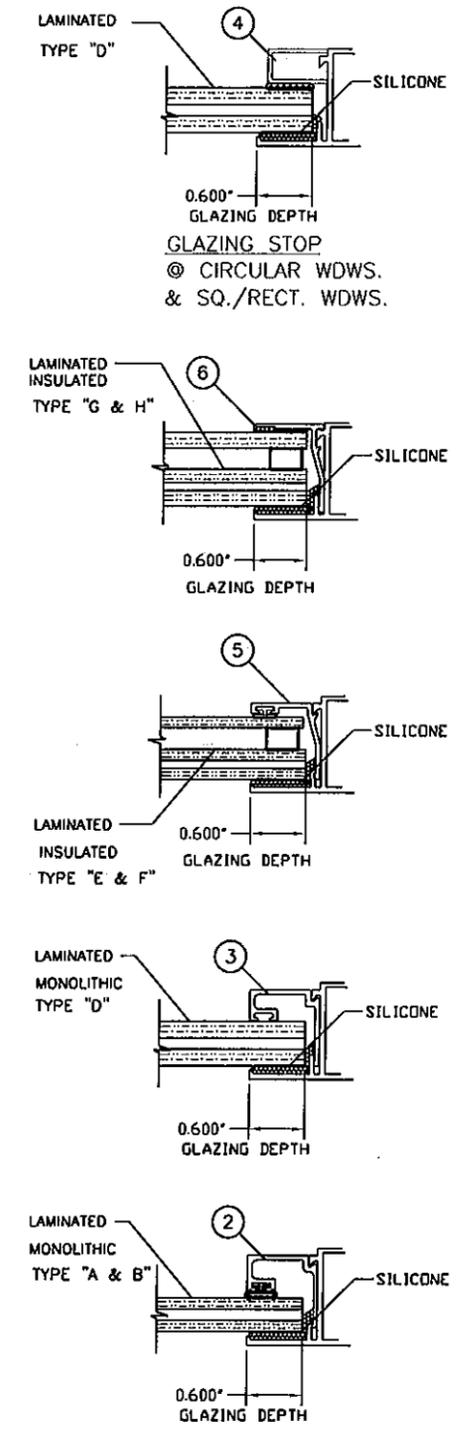
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" SAFLEX PVB-SOLUTIA	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" HEAT-STRENGTHENED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE G

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" ANNEALED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE H

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 GLASS	



TYPICAL GLAZING DETAILS

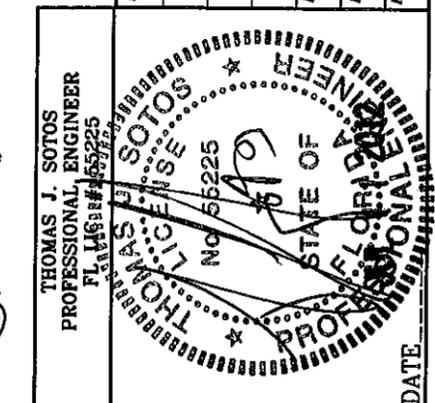
8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON
INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
SERIES-4300-6300 FIN FRAME IMPACT FIXED WINDOW
LAMINATED GLASS DESIGN PRESSURE CHARTS

Revision Number: L4300-6300-1201	Sheet: 4 OF 5
Product Reference Number: L4300-6300-1201	Scale:
Date Drawn: 02-21-12	Date Revised:
Drawn By: N. ERAZO	Revision Level:

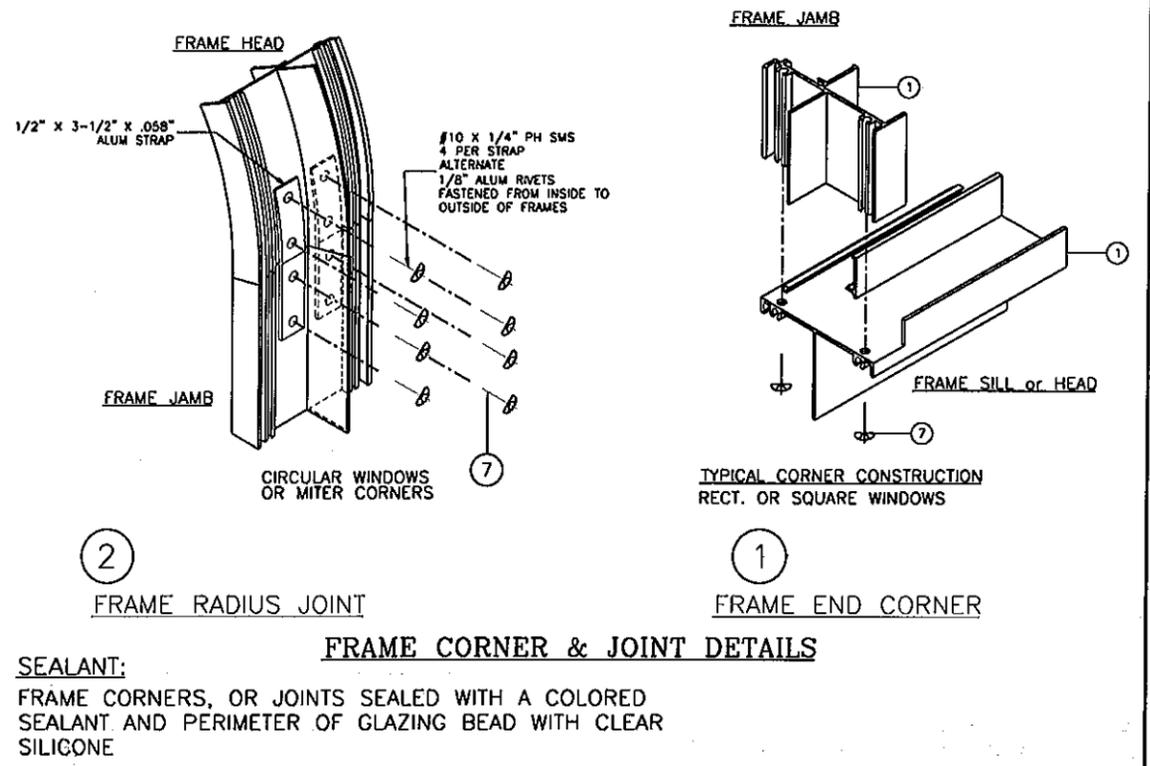
Approved as complying with the
Florida Building Code
Date July 19, 2012
NOA# 12-0416.10
Miami Dade Product Control
By Manuel P... [Signature]



DATE

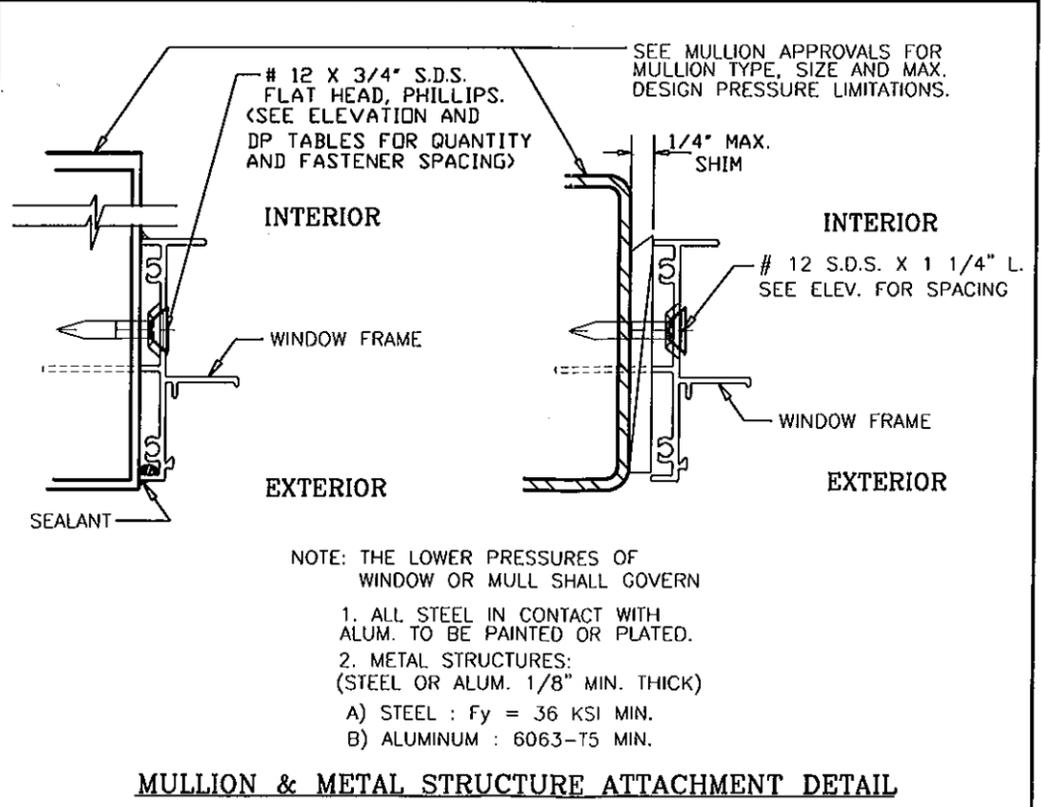
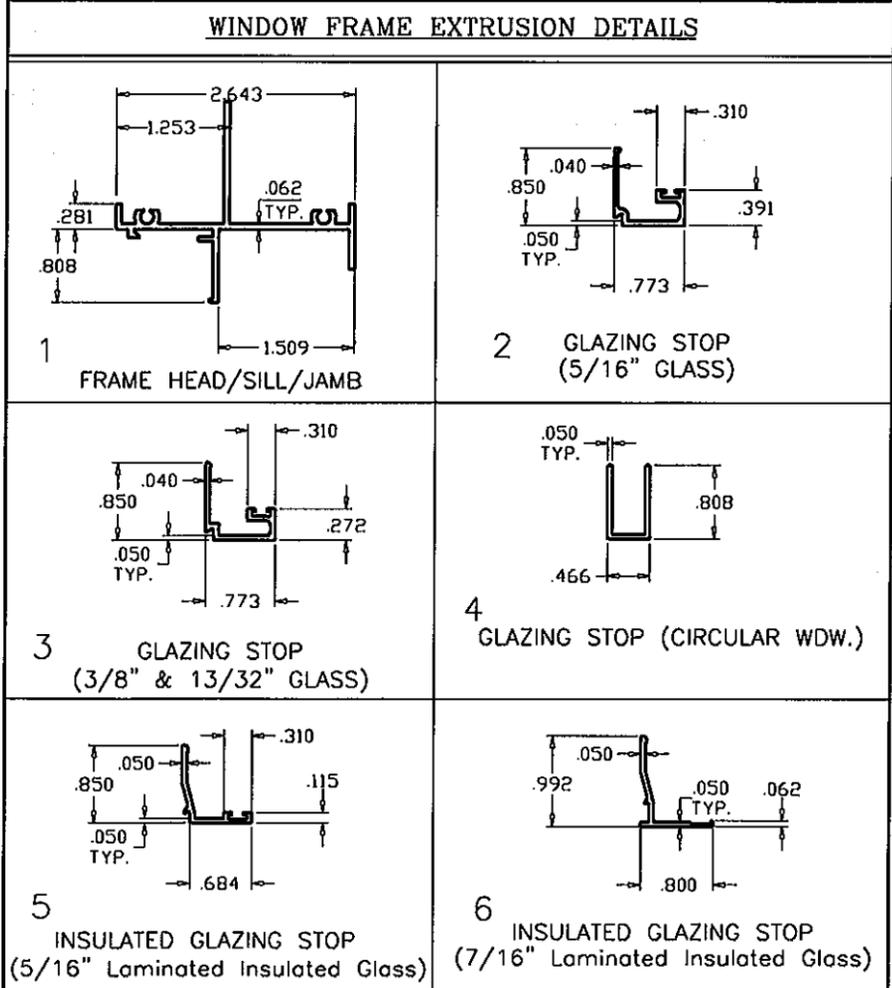
BILL OF MATERIALS

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	REMARKS
1	L-4301	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-4204	AS REQD.	GLAZING BEAD AT CIRCULAR WDWS.	6063-T5	-
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	812-25H-357	AS REQD.	"TruSeal" Dura-Seal Swiggle Spacer	*	Black - 1/4" Air Spacer
9	VWS-004	AS REQD.	GLAZING VINYL BULB - TEAM PLASTICS	FLEX. PVC	Material Composition Below
10	PWS-001	AS REQD.	PILE WTS'P SEAL	*	.187" w. X .150" h.
11	DC-899	AS REQD.	GLAZING SILICONE	*	DOW CORNING
12	PL 75.6020	AS REQD.	GLAZING SETTING BLOCK	SOFT PVC	1/8" X 1/8" X 2"



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

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



NOTE: THE LOWER PRESSURES OF WINDOW OR MULL SHALL GOVERN

- ALL STEEL IN CONTACT WITH ALUM. TO BE PAINTED OR PLATED.
- METAL STRUCTURES: (STEEL OR ALUM. 1/8" MIN. THICK)
 - A) STEEL : Fy = 36 KSI MIN.
 - B) ALUMINUM : 6063-T5 MIN.

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-4300-6300 FIN FRAME IMPACT FIXED WINDOW
 BILL OF MATERIALS, EXTRUSION DETAILS & CORNER ASSEMBLY DETAILS

Revision Number:	L4300-6300-1201
Sheet:	5 OF 5
Product Reference Number:	L4300-6300-1201
Scale:	
Date Drawn:	02-21-12
Date Revised:	
Drawn By:	N. ERAZO
Revised By:	
Revision Level:	

Approved as complying with the Florida Building Code
 Date July 19, 2012
 NOAH 12-10416-10
 Miami Dade Product Control
 By Manuel Perez

THOMAS J. SOTOS
 PROFESSIONAL ENGINEER
 FLORIDA LICENSE NO. 55225