



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.maimidade.gov/buildingcode

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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "SH-7700" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W01-66**, titled "SH-7700" Aluminum Single Hung Window", sheets 1 through 6 of 6, dated 09/26/01 with revision D dated 11/19/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, 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 Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 # 06-0406.08** 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.**



NOA No. 08-0825.17
Expiration Date: December 27, 2011
Approval Date: December 18, 2008

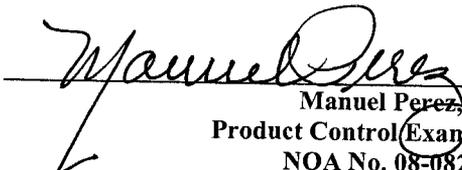
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W01-66**, Sheets 1 through 6 of 6, titled "SH-7700 Aluminum Single Hung Window", dated 09/26/01 with revision D dated 11/19/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

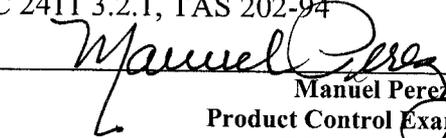
B. TESTS

1. Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94 along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2003C**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
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 single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2004A**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
3. Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94 along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2060A**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
4. 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 single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2060B**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
5. Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94 along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2061A**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
6. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2061B**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
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 aluminum single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2062A**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0825.17
Expiration Date: December 27, 2011
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8. 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 single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2062B**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
9. Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2063A**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
10. 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 single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2063B**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
11. Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2064A**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
12. 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 single hung window, prepared by Hurricane engineering & Testing, Inc., Test Report No. **HETI-08-2064B**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.
13. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2987**, dated 04/03/01, signed and sealed by Luis Antonio Figueredo, P.E.
(Submitted under previous NOA#06-0406.08)
14. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0825.17
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Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2986**, dated 03/27/01, signed and sealed by Luis Antonio Figueredo, P.E. **(Submitted under previous NOA#06-0406.08)**

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004 and 2007, prepared by Al-Farooq Corporation, dated 7/12/08, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-02/04

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

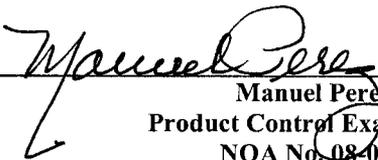
1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ® Plus**" dated 01/03/08, expiring on 01/14/12.
2. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite PVB, Interlayer**" dated January 05, 2006, expiring on December 11, 2010.
3. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III G Clear or colored interlayer**" dated May 04, 2006, expiring on May 21, 2011.

F. STATEMENTS

1. Statement letter of conformance, dated July 12, 2008, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated July 12, 2008, signed and sealed by Humayoun Farooq, P.E.
3. Laboratory compliance letter for Test Report No. **FTL-2986**, issued by Fenestration Testing Laboratory, Inc., dated August 17, 2001, signed and sealed by Luis Figueredo, P.E. **(Submitted under previous NOA#06-0406.08)**
4. Testing Proposal # **07-3077** for this product, dated August 9, 2007 issued by this office and signed by Manuel Perez, P.E.

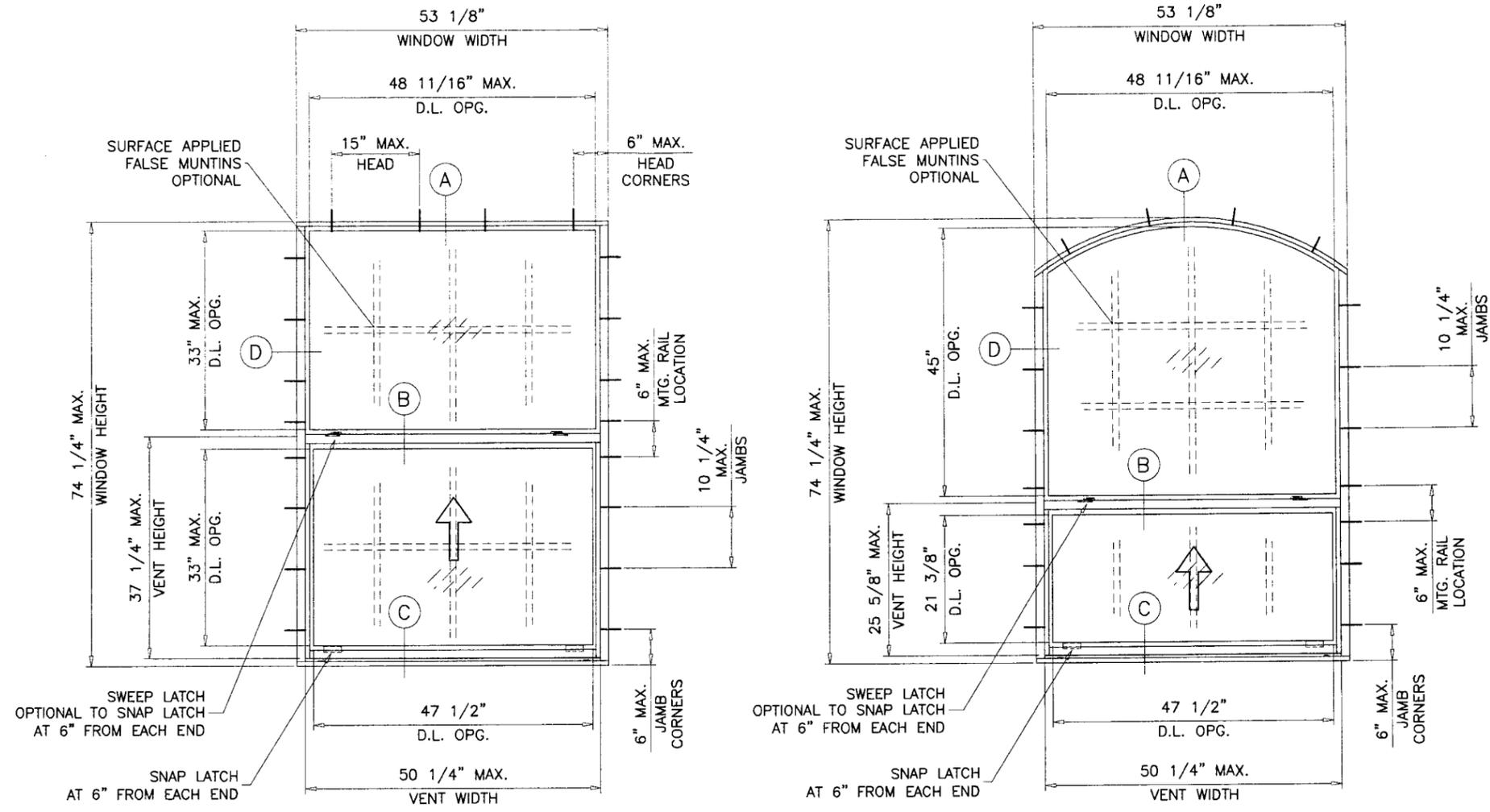
G. OTHER

1. Notice of Acceptance No. **06-0406.08**, issued to Lawson Industries, Inc. for their Series "**SH-7700**" Aluminum Single Hung Window – L.M.I., approved on 11/02/06 and expiring on 12/27/11.


Manuel Perez, P.E.

Product Control Examiner
NOA No. **08-0825.17**

Expiration Date: December 27, 2011
Approval Date: December 18, 2008



TYPICAL ELEVATIONS

SERIES-7700 ALUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2 AND 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004/2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

DAYLITE OPENINGS:

DLO WIDTH = WINDOW WIDTH - 4.438 (FIXED)
 = WINDOW WIDTH - 5.625 (VENT)

DLO HEIGHT = (WINDOW HT/2) - 4.125

THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Approved By: **DB-0825.17**
 Date: **DEC. 27, 2011**

[Signature]
 NOV 20 2008



AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W01-66LI

SH-7700 ALUMINUM SINGLE HUNG WINDOW
LAWSON INDUSTRIES INC.
 8501 N.W. 90 STREET
 MEDLEY, FL. 33166
 TEL. (305) 696-8660 FAX (305) 696-6006

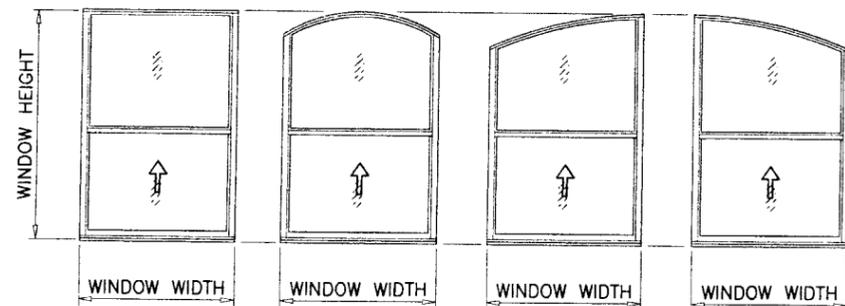
no	date	by	description
A	11.29.01		REV. PER BCCO COMMENTS
B	02.14.06		UPDATED FOR 2004 FBC
C	07.22.08		UPDATED FOR 2007 FBC
D	11.19.08		REV. PER BCCO COMMENTS

date: 09-26-01
 scale: 1/2" = 1'-0"
 dr. by: HAMID
 chk. by:

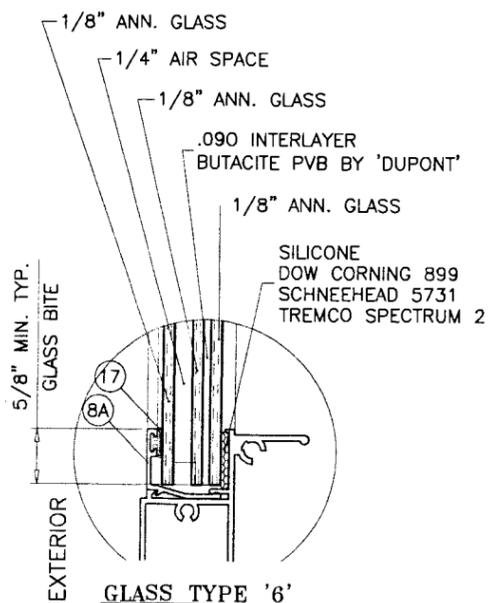
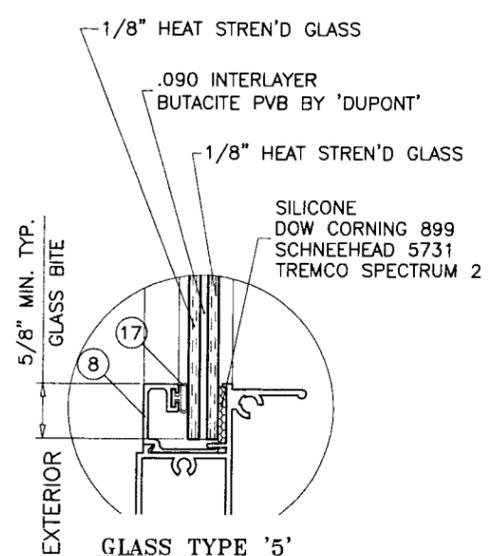
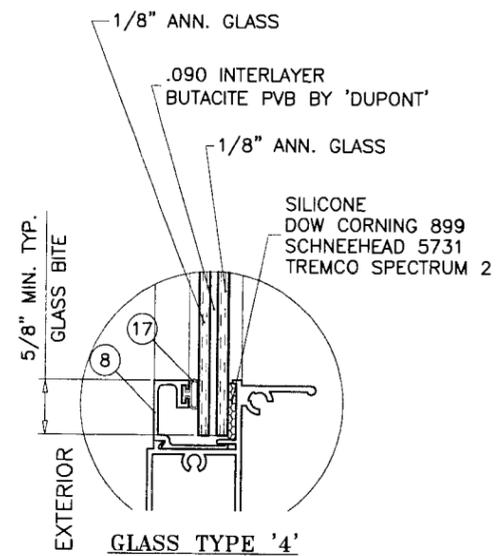
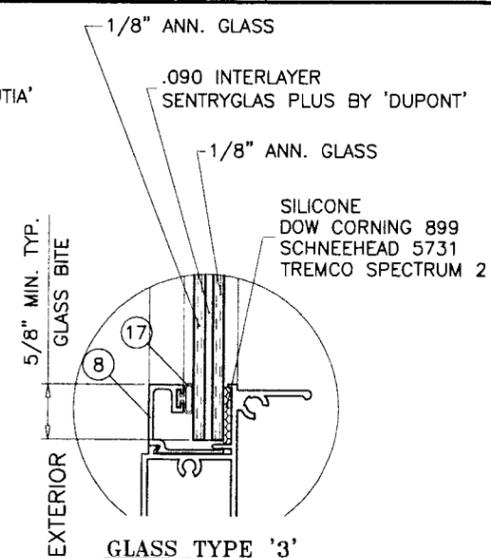
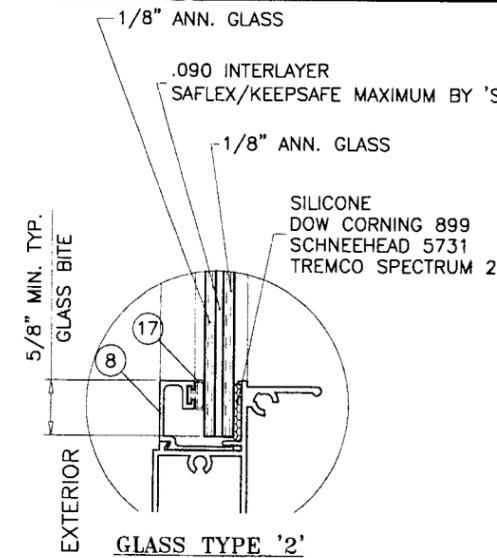
drawing no.
W01-66
 sheet 1 of 6

EQUAL LITES WINDOWS DESIGN LOAD CAPACITY - PSF												
WINDOW DIMS.		ANCHORS TYPE 'A'				ANCHORS TYPE 'B'						
		GLASS TYPES '2' & '3'		GLASS TYPE '4'		GLASS TYPES '5' & '6'		GLASS TYPES '2' & '3'		GLASS TYPES '5' & '6'		
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
19-1/8"	26"	80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
26-1/2"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
37"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
42"		(4)	80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
53-1/8"	80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
19-1/8"	38-3/8"	80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
26-1/2"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
37"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
42"		(4)	76.5	76.5	60.0	60.0	76.5	76.5	80.0	80.0	80.0	80.0
48"		66.9	66.9	60.0	60.0	66.9	66.9	80.0	80.0	80.0	80.0	80.0
53-1/8"	60.5	60.5	60.0	60.0	60.5	60.5	80.0	80.0	80.0	80.0	80.0	
19-1/8"	50-5/8"	80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
26-1/2"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
37"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
42"		(6)	80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		75.0	75.0	60.0	60.0	75.0	75.0	80.0	80.0	80.0	80.0	80.0
53-1/8"	64.8	64.8	60.0	60.0	64.8	64.8	80.0	80.0	80.0	80.0	80.0	
19-1/8"	59"	80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
26-1/2"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
37"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
42"		(6)	74.6	74.6	60.0	60.0	74.6	74.6	80.0	80.0	80.0	80.0
48"		65.3	65.3	-	-	-	-	80.0	80.0	-	-	-
53-1/8"	58.9	58.9	-	-	-	-	80.0	80.0	-	-	-	
19-1/8"	63"	80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
26-1/2"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
37"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
42"		(8)	80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		66.6	66.6	-	-	-	-	80.0	80.0	-	-	-
53-1/8"	56.7	56.7	-	-	-	-	80.0	80.0	-	-	-	
19-1/8"	74-1/4"	80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
26-1/2"		80.0	80.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0	80.0	
37"		80.0	80.0	-	-	-	-	80.0	80.0	-	-	
42"		(8)	79.1	79.1	-	-	-	-	80.0	80.0	-	-
48" *		62.5 *	62.5 *	-	-	-	-	80.0	80.0	-	-	-
53-1/8"*	52.4 *	52.4 *	-	-	-	-	77.4	77.4	-	-	-	

NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.
* GLASS TYPE 3 NOT QUALIFIED FOR THESE SIZES.



APPROVED CONFIGURATIONS
SHAPES SHOWN ABOVE OR SIMILAR



ALL LOADS SHOWN ON THIS SHEET ARE FOR WINDOWS WITH METAL LATCHES '22' AND '22A'. FOR MOLDED PLASTIC LATCHES '21' AND '21A' LIMIT LOADS TO ±60.0 PSF. SEE SHEET 4 FOR DETAILS.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02/04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT ADVISED
As complying with the Florida Building Code
Approval No. 08-0825-17
Expiration Date DEC 27, 2011
By: *Mawad*
Miami Trade Product Control Division

NOV 20 2008

GLAZING OPTIONS

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W01-66LI

SH-7700 ALUMINUM SINGLE HUNG WINDOW
LAWSON INDUSTRIES INC.
8501 N.W. 90 STREET
MEDLEY, FL. 33166
TEL. (305) 696-8660 FAX (305) 696-6006

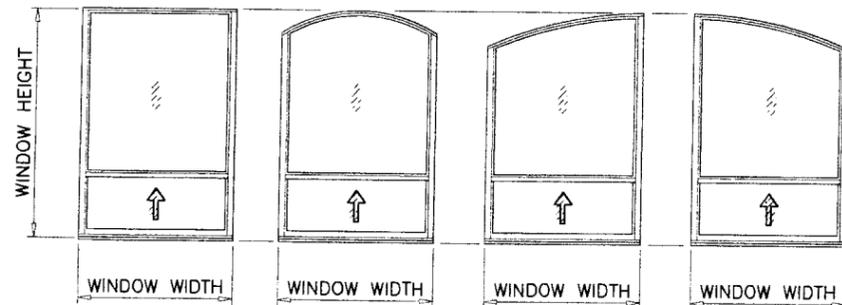
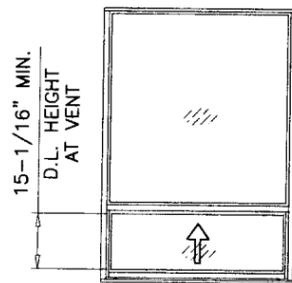
no	date	description
B	02.14.06	UPDATED FOR 2004 FBC
C	07.22.08	UPDATED FOR 2007 FBC
D	11.19.08	REV. PER BCCO COMMENTS

revisions:
date: 08-26-01
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W01-66
sheet 2 of 6

UNEQUAL LITES (ORIEL TYPES) WINDOWS W/ 3H VENTS DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		ANCHORS TYPE 'A'				ANCHORS TYPE 'B'	
		GLASS TYPE '4'		GLASS TYPES '5' & '6'		GLASS TYPES '5' & '6'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
19-1/8"	50-5/8" (6)	60.0	60.0	80.0	80.0	80.0	80.0
26-1/2"		60.0	60.0	80.0	80.0	80.0	80.0
37"		60.0	60.0	80.0	80.0	80.0	80.0
42"		60.0	60.0	80.0	80.0	80.0	80.0
49"		60.0	60.0	76.1	76.1	80.0	80.0
53-1/8"		60.0	60.0	66.1	66.1	80.0	80.0
19-1/8"	59" (6)	60.0	60.0	80.0	80.0	80.0	80.0
26-1/2"		60.0	60.0	80.0	80.0	80.0	80.0
37"		60.0	60.0	80.0	80.0	80.0	80.0
42"		60.0	60.0	74.6	74.6	80.0	80.0
49"		60.0	60.0	65.3	65.3	80.0	80.0
53-1/8"		59.0	59.0	59.0	59.0	80.0	80.0
19-1/8"	63" (8)	60.0	60.0	80.0	80.0	80.0	80.0
26-1/2"		60.0	60.0	80.0	80.0	80.0	80.0
37"		60.0	60.0	80.0	80.0	80.0	80.0
42"		60.0	60.0	80.0	80.0	80.0	80.0
49"		60.0	60.0	71.3	71.3	80.0	80.0
53-1/8"		60.0	60.0	61.0	61.0	80.0	80.0
19-1/8"	74-1/4" (8)	60.0	60.0	80.0	80.0	80.0	80.0
26-1/2"		60.0	60.0	80.0	80.0	80.0	80.0
37"		60.0	60.0	80.0	80.0	80.0	80.0
42"		60.0	60.0	79.1	79.1	80.0	80.0

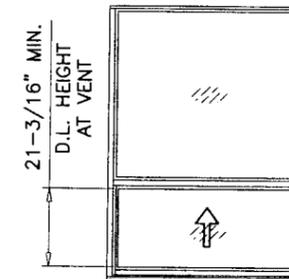
* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



APPROVED CONFIGURATIONS
SHAPES SHOWN ABOVE OR SIMILAR

UNEQUAL LITES (ORIEL TYPES) WINDOWS W/ 4H VENTS DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		ANCHORS TYPE 'A'				ANCHORS TYPE 'B'			
		GLASS TYPE '4'		GLASS TYPES '5' & '6'		GLASS TYPE '4'		GLASS TYPES '5' & '6'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
19-1/8"	59" (7)	60.0	60.0	80.0	80.0	60.0	60.0	80.0	80.0
26-1/2"		60.0	60.0	80.0	80.0	60.0	60.0	80.0	80.0
37"		60.0	60.0	80.0	80.0	60.0	60.0	80.0	80.0
42"		60.0	60.0	80.0	80.0	60.0	60.0	80.0	80.0
49"		60.0	60.0	69.5	69.5	60.0	60.0	80.0	80.0
53-1/8"		59.3	59.3	59.3	59.3	60.0	60.0	80.0	80.0
19-1/8"	63" (8)	60.0	60.0	80.0	80.0	60.0	60.0	80.0	80.0
26-1/2"		60.0	60.0	80.0	80.0	60.0	60.0	80.0	80.0
37"		60.0	60.0	80.0	80.0	60.0	60.0	80.0	80.0
42"		60.0	60.0	80.0	80.0	60.0	60.0	80.0	80.0
49"		60.0	60.0	68.0	68.0	60.0	60.0	80.0	80.0
53-1/8"		57.7	57.7	57.7	57.7	60.0	60.0	80.0	80.0
19-1/8"	74-1/4" (8)	60.0	60.0	80.0	80.0	60.0	60.0	80.0	80.0
26-1/2"		60.0	60.0	80.0	80.0	60.0	60.0	80.0	80.0
37"		60.0	60.0	78.5	78.5	60.0	60.0	80.0	80.0
42"		60.0	60.0	69.2	69.2	60.0	60.0	80.0	80.0
49"		60.0	60.0	60.5	60.5	60.0	60.0	80.0	80.0
53-1/8"		54.7	54.7	54.7	54.7	60.0	60.0	80.0	80.0

NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



ALL LOADS SHOWN ON THIS SHEET ARE FOR WINDOWS WITH METAL LATCHES '22' AND '22A'. FOR MOLDED PLASTIC LATCHES '21' AND '21A' LIMIT LOADS TO ±60.0 PSF. SEE SHEET 4 FOR DETAILS.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02/04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT REVISED
in complying with the Florida
Building Code
Acceptance No. 08-0825.17
Expiration Date DEC. 27, 2011
By *Manuel Pina*
Window Trade Product Council
Florida

NOV 20 2008

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
12335 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

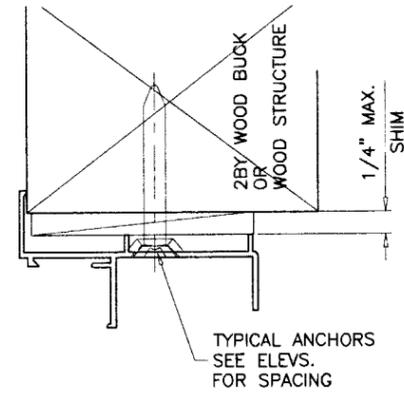
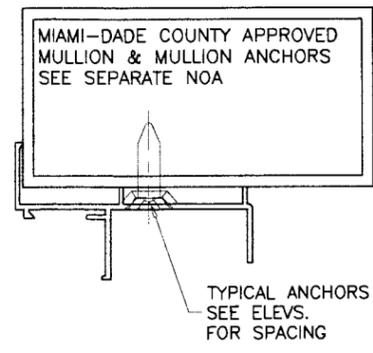
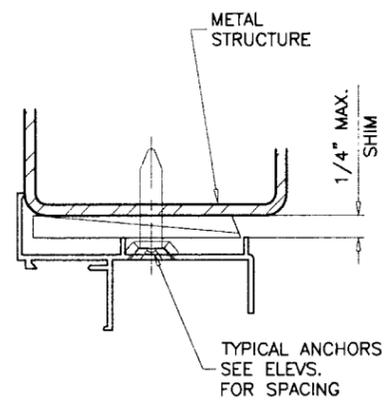
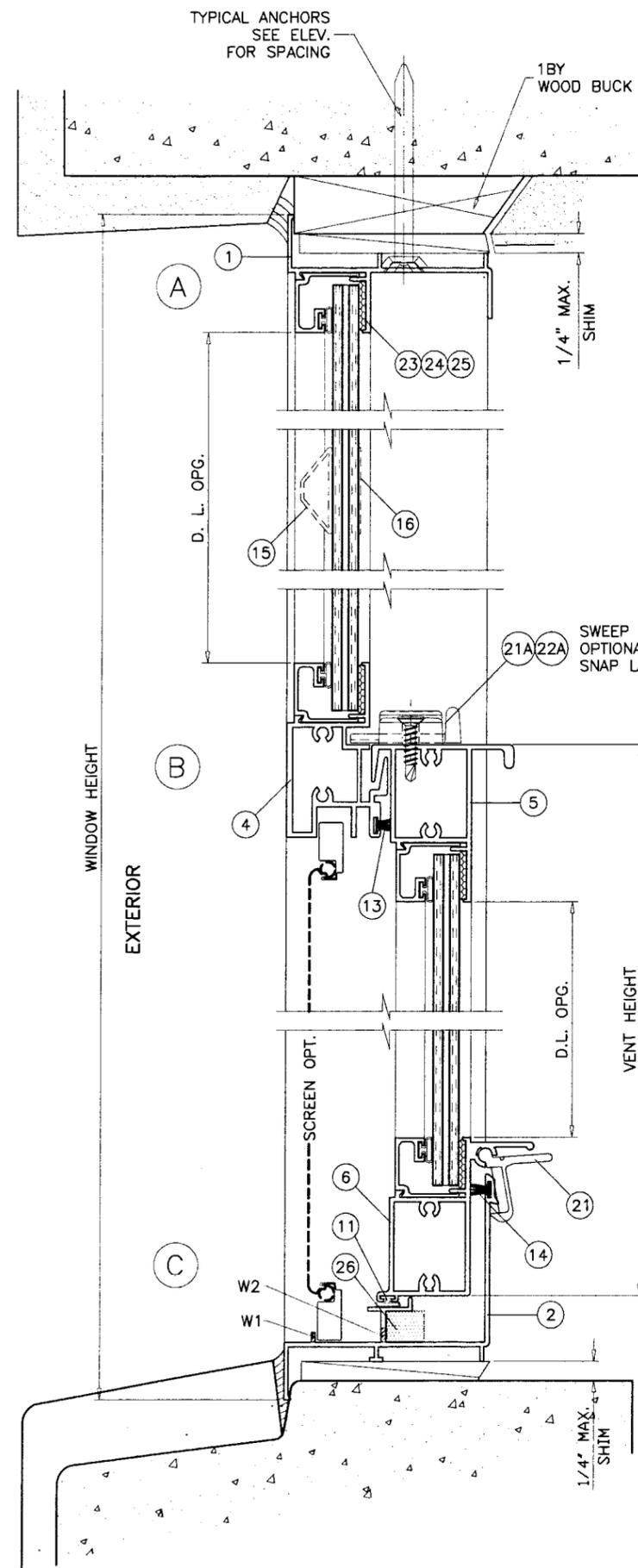
SH-7700 ALUMINUM SINGLE HUNG WINDOW
LAWSON INDUSTRIES INC.
8501 N.W. 90 STREET
MEDLEY, FL. 33166
TEL. (305) 696-8660 FAX (305) 696-6006

no	date	by	description
B	02.14.06		UPDATED FOR 2004 FBC
C	07.22.08		UPDATED FOR 2007 FBC
D	11.19.08		REV. PER BCCO COMMENTS

date: 09-26-01
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W01-66

sheet 3 of 6



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'

1/4" DIA. TAPCON BY 'ITW'
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'B'

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
#10 SMS OR SELF DRILLING SCREWS
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 (NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE f'c = 3000 PSI MIN.
 MASONRY f'm = 1500 PSI MIN.

SEALANTS:

ALL FRAME AND VENT CORNERS AND SILL INSTALLATION SCREWS SEALED WITH SEALANT.

WEEPHOLES:

W1 = 1/2" WEEP NOTCH AT EACH END
 W2 = 3/16" X 1" WEEP HOLE AT 4-1/4" FROM EACH END

Eng: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

NOV 20 2008

PRODUCT REVISED
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 Acceptance No. 08-0825-17
 Expiration Date DEC. 27, 2011

By: *Manuel Perez*
 Miami Dade Product Control
 Division

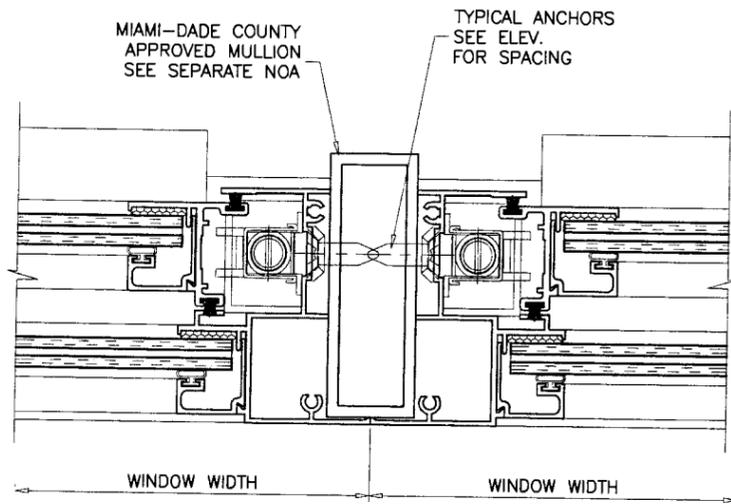
afC
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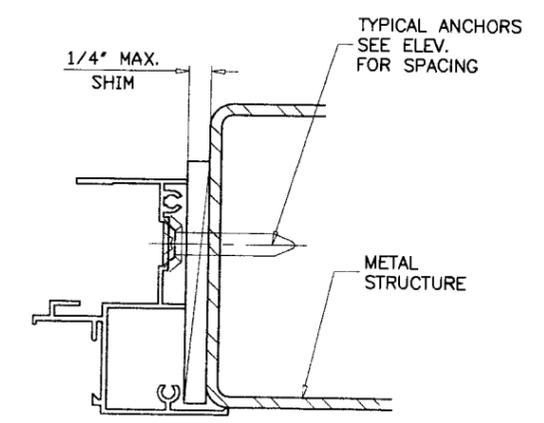
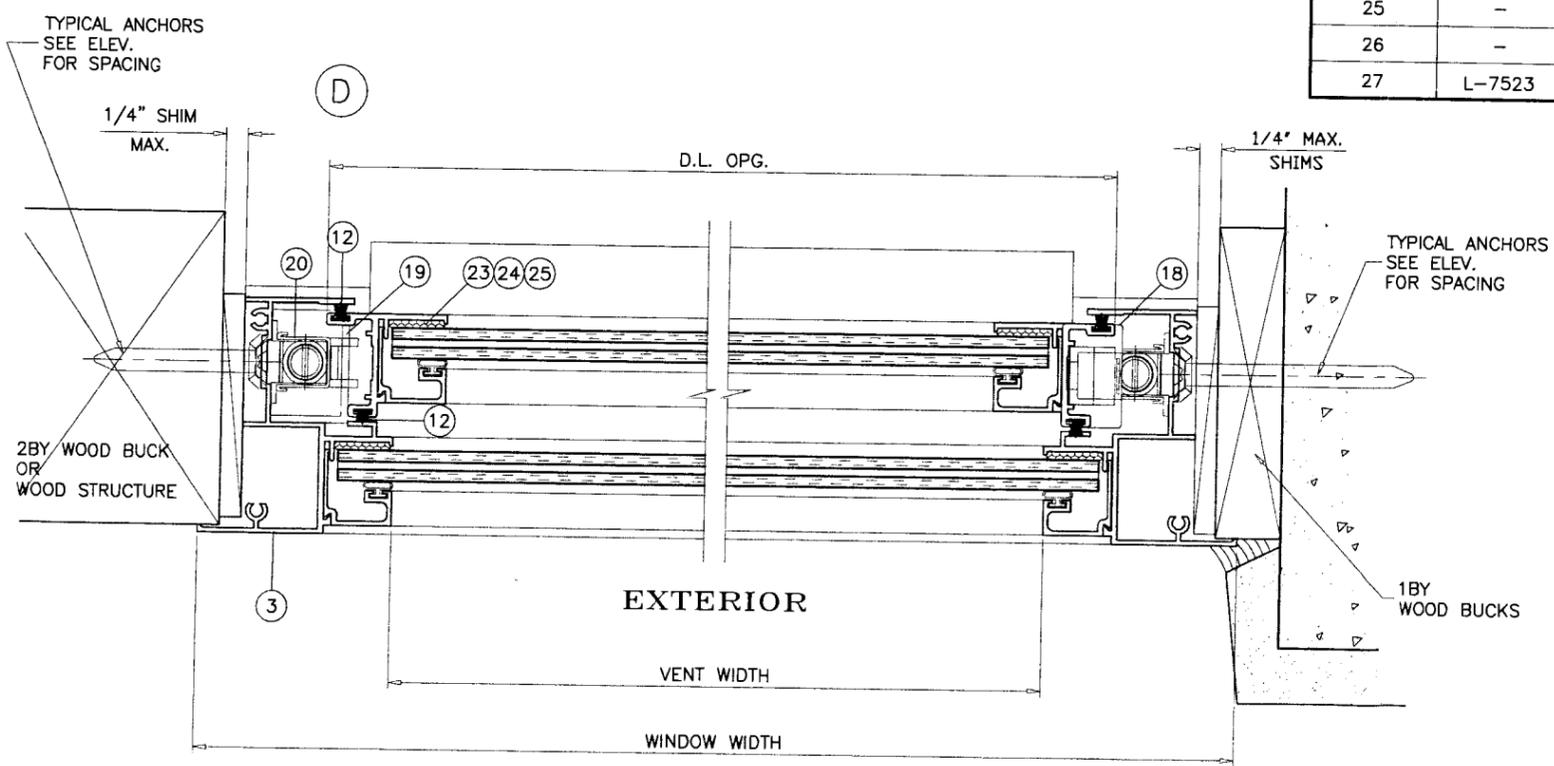
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W01-66
 sheet 4 of 6



ITEM NO.	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	L-7701	1	FLANGE FRAME HEAD	6063-T6	-
2	L-7702	1	FLANGE FRAME SILL	6063-T6	-
3	L-7703	2	FLANGE FRAME JAMB	6063-T5	-
4	L-7704	1	FRAME FIXED MEETING RAIL	6063-T5	-
5	L-7705	1	VENT MEETING (TOP) RAIL	6063-T6	-
6	L-7706	1	VENT BOTTOM (LATCH) RAIL	6063-T6	-
7	L-7707	1	VENT JAMB (SIDE) RAIL	6063-T6	-
8	L-7708	AS REQ'D.	GLAZING BEAD (LAM. GLASS)	6063-T5	-
8A	L-7711	AS REQ'D.	GLAZING BEAD (LAM. INSUL. GLASS)	6063-T5	-
9	FS-006	AS REQ'D.	FRAME ASSEMBLY SCREWS	-	#8 X 3/4" PH PHILLIPS
11	L-7531	AS REQ'D.	BOTTOM RAIL W'STRIPPING	VINYL	1/4" DIA. BULB #3033
12	PWS-003	AS REQ'D.	FIN SEAL WEATHERSTRIP	-	.187"X.210" (7820-6001-9)
13	PWS-005	AS REQ'D.	FIN SEAL WEATHERSTRIP	-	.187"X.350" (7834-6001-7)
14	PWS-009	AS REQ'D.	FIN SEAL WEATHERSTRIP	-	.187"X.310" (7830-6001-1)
15	L-7512	OPTIONAL	EXTERIOR FALSE MUNTIN	ALUMINUM	
16	L-7513	OPTIONAL	INTERIOR FALSE MUNTIN	ALUMINUM	
17	L-7718	AS REQ'D.	GLAZING BEAD WEDGE	VINYL	WEDGE #GV-010
18	L-7723	1	SASH BALANCE CAM/GUIDE	-	(2 X VENT)
19	L-7725	2	RIGID VINYL SASH STOP	-	(2 X FRAME)
20	L-7727	2	BLOCK & TACKLE BALANCE	-	BSI BALANCE SYSTEMS
21	HC-057-1	2/ VENT	MOLDED PLASTIC SNAP LATCH	-	AT 6" FROM EACH END
21A	HC-058-1	2/ VENT	MOLDED PLASTIC SWEEP LATCH	-	AT 6" FROM EACH END
22	L-7539	2/ VENT	EXTRUDED ALUM SNAP LATCH	-	AT 6" FROM EACH END
22A	-	2/ VENT	DIE CAST METAL SWEEP LATCH	-	AT 6" FROM EACH END
23	-	AS REQ'D.	GLAZING COMPOUND	SILICONE	SCHNEE-MOREHEAD 5731
24	-	AS REQ'D.	GLAZING COMPOUND	SILICONE	DOW CORNING 899
25	-	AS REQ'D.	GLAZING COMPOUND	SILICONE	TREMCO SPECTREM 2
26	-	2	1/2" X 1/2" X 2" LONG PAD	FOAM	AT EACH END
27	L-7523	2/ VENT	VENT LATCH SPRING	-	-



Engr. DR. HUMAYOUN FAROOQ
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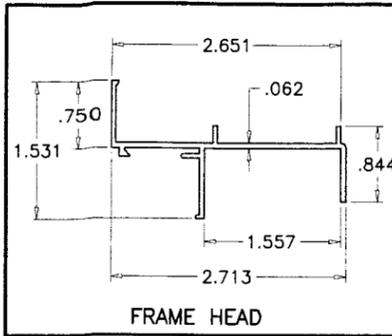
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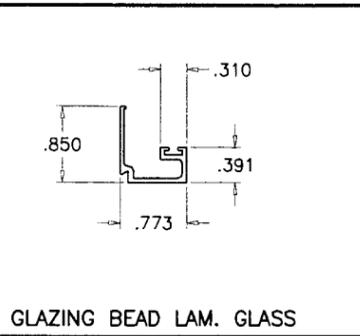
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dr. by: HAM/D
chk. by:

drawing no.
W01-66

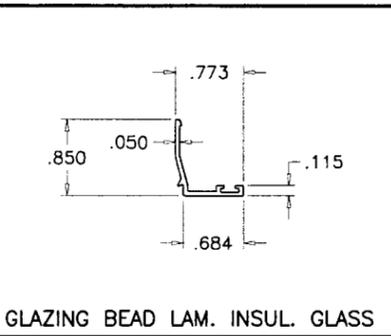
sheet 5 of 6



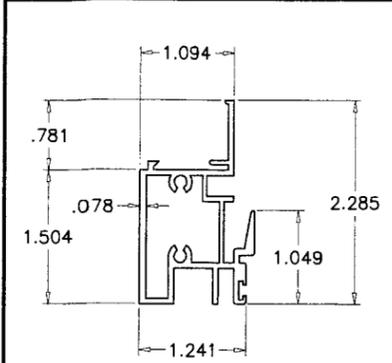
FRAME HEAD



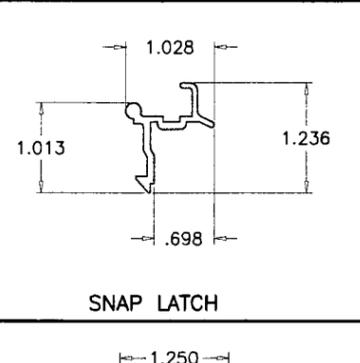
GLAZING BEAD LAM. GLASS



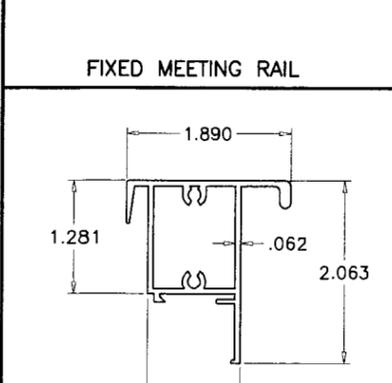
GLAZING BEAD LAM. INSUL. GLASS



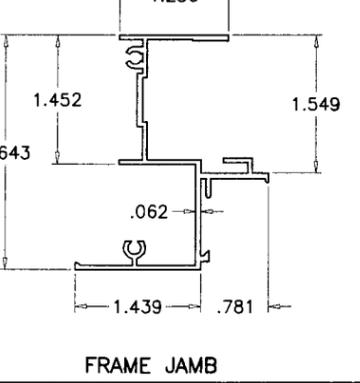
FIXED MEETING RAIL



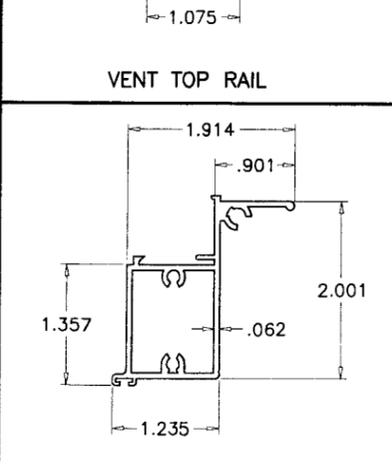
SNAP LATCH



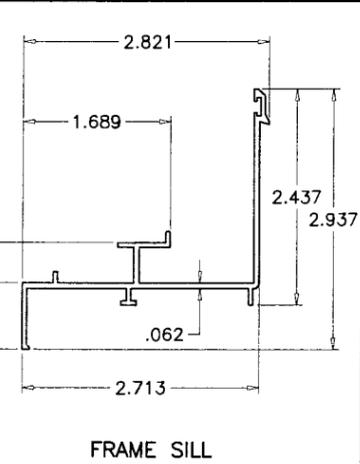
VENT TOP RAIL



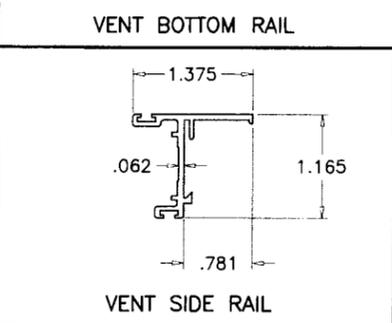
FRAME JAMB



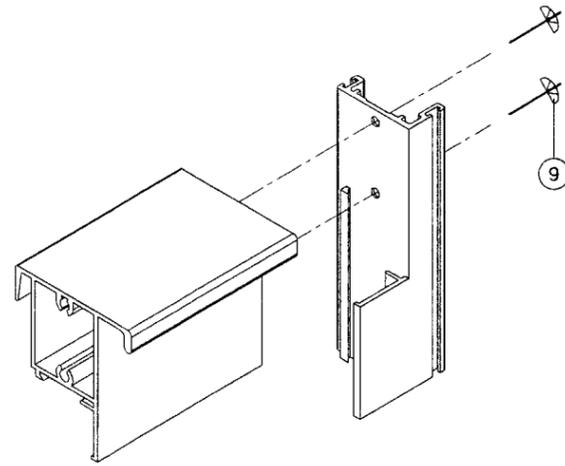
VENT BOTTOM RAIL



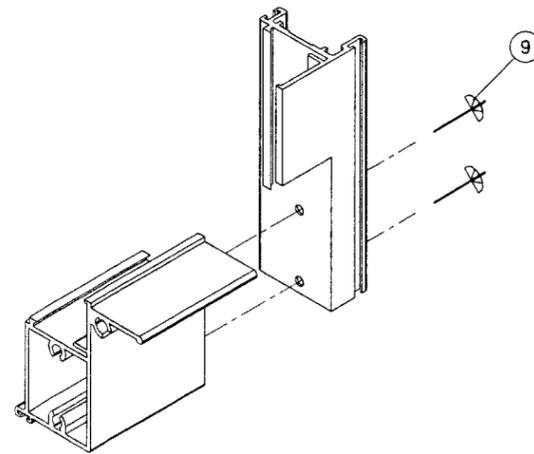
FRAME SILL



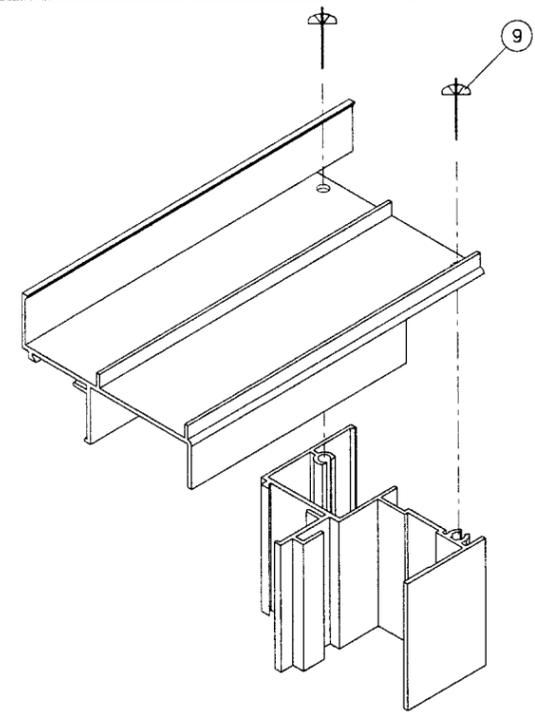
VENT SIDE RAIL



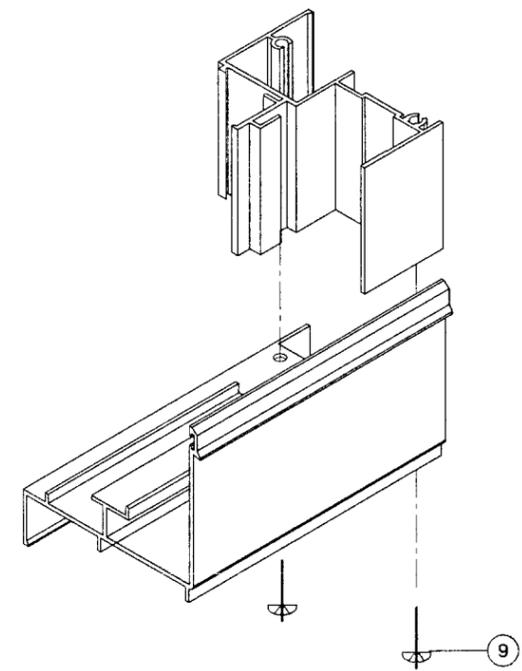
VENT TOP CORNER



VENT BOTTOM CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

Engr. DR. HUMAYOUN FAROOQ
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