



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) 375-2908

NOTICE OF ACCEPTANCE (NOA)

www.buildingcodeonline.com

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 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 "PW 4200/6200" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W02-55**, titled "PW-4200/6200 Alum. Fixed Window (Impact)", sheets 1 through 6 of 6, dated 06/06/02 with revision B dated 11/14/05, prepared by Al Farooq Corporation and 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 and Small 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 and supersedes** NOA # **03-0327.11** and, consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4 as well as approval document mentioned above.

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



NOA No 06-0117.02
Expiration Date: August 22, 2007
Approval Date: July 20, 2006
Page 1

Lawson Industries, Inc.

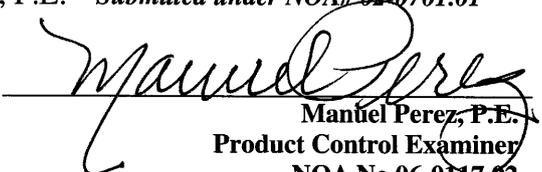
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W02-55**, titled "PW-4200/6200 Alum. Fixed Window (Impact)", sheets 1 through 6 of 6, dated 06/06/02 with revision B dated 11/14/05, prepared by Al-Farooq Corporation, and signed and sealed by Humayoun Farooq, 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 a fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1774A**, dated 1/30/03, signed and sealed by Raphael Droz-Seda, P.E.
"Submitted under NOA# 03-0327.11"
2. 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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1778**, dated 1/30/03, signed and sealed by Raphael Droz-Seda, P.E.
"Submitted under NOA# 03-0327.11"
3. 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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1777**, dated 1/30/03, signed and sealed by Raphael Droz-Seda, P.E.
"Submitted under NOA# 03-0327.11"
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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1778**, dated 1/30/03, signed and sealed by Raphael Droz-Seda, P.E.
"Submitted under NOA# 03-0327.11"
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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1098**, dated 2/11/02, signed and sealed by Hector Medina, P.E. *"Submitted under NOA# 03-0327.11"*
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 a fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1103**, dated 2/12/02, signed and sealed by Hector Medina, P.E. *"Submitted under NOA# 02-0701.01"*


Manuel Perez, P.E.
Product Control Examiner
NOA No 06-0117-02
Expiration Date: August 22, 2007
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7. 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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1102**, dated 11/16/02, signed and sealed by Hector Medina, P.E.
“Submitted under NOA# 02-0701.01”
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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-02-1215**, dated 4/8/02, signed and sealed by Hector Medina, P.E.
“Submitted under NOA# 02-0701.01”
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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-02-1158**, dated 4/8/02, signed and sealed by Hector Medina, P.E.
“Submitted under NOA# 02-0701.01”
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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1099**, dated 2/14/02, signed and sealed by Hector Medina, P.E.
“Submitted under NOA# 02-0701.01”
11. 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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1193**, dated 4/8/02, signed and sealed by Hector Medina, P.E.
“Submitted under NOA# 02-0701.01”
12. 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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-02-1216**, dated 4/9/02, signed and sealed by Hector Medina, P.E.
“Submitted under NOA# 02-0701.01”


Manuel Perez, P.E.
Product Control Examiner
NOA No 06-0117-02
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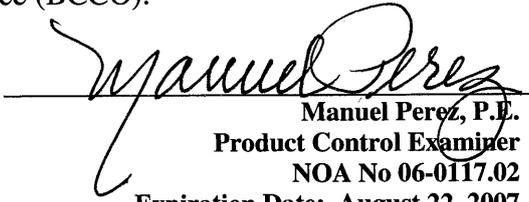
13. Test reports on 1) Cyclic Wind Pressure Loading per FBC, TAS 203-94
2) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of a fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1103B**, dated 2/18/02, signed and sealed by Hector Medina, P.E.
“Submitted under NOA# 02-0701.01”
14. 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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1195**, dated 11/15/02, signed and sealed by Hector Medina, P.E.
“Submitted under NOA# 02-0701.01”
15. 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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1104**, dated 2/14/02, signed and sealed by Hector Medina, P.E.
“Submitted under NOA# 02-0701.01”
16. 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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1196**, dated 11/16/02, signed and sealed by Hector Medina, P.E.
“Submitted under NOA# 02-0701.01”
17. 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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-02-1136**, dated 2/12/02, signed and sealed by Hector Medina, P.E.
“Submitted under NOA# 02-0701.01”

C. CALCULATIONS

1. Revised Anchor Verification Calculations complying w/ FBC 2004, prepared by AL-Farooq Corporation, dated 11/11/05, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E 1300-98 and 02
2. Anchor Calculations and structural analysis, prepared by Al Farooq Corporation, dated 6/17/02, signed and sealed by Humayoun Farooq, P.E.
“Submitted under NOA# 03-0327.11”

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No 06-0117.02
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Lawson Industries, Inc.

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E. MATERIAL CERTIFICATIONS

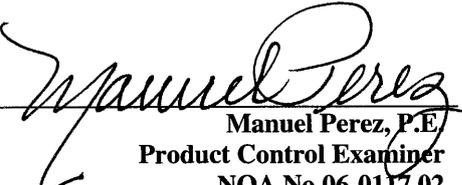
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for "Sentry Glass Plus" dated 1/17/02, expiring on 1/14/07.
2. Notice of Acceptance No. **01-0205.02** issued to Solutia for "Saflex/Keepsafe Maximum" dated 5/17/01, expiring on 5/21/06.
3. Notice of Acceptance No. **02-1205.03** issued to Security Impact Glass Holdings L.L.C. for "SAF-GLAS" dated 01/02/03, expiring on 12/16/07.

F. STATEMENTS

1. None

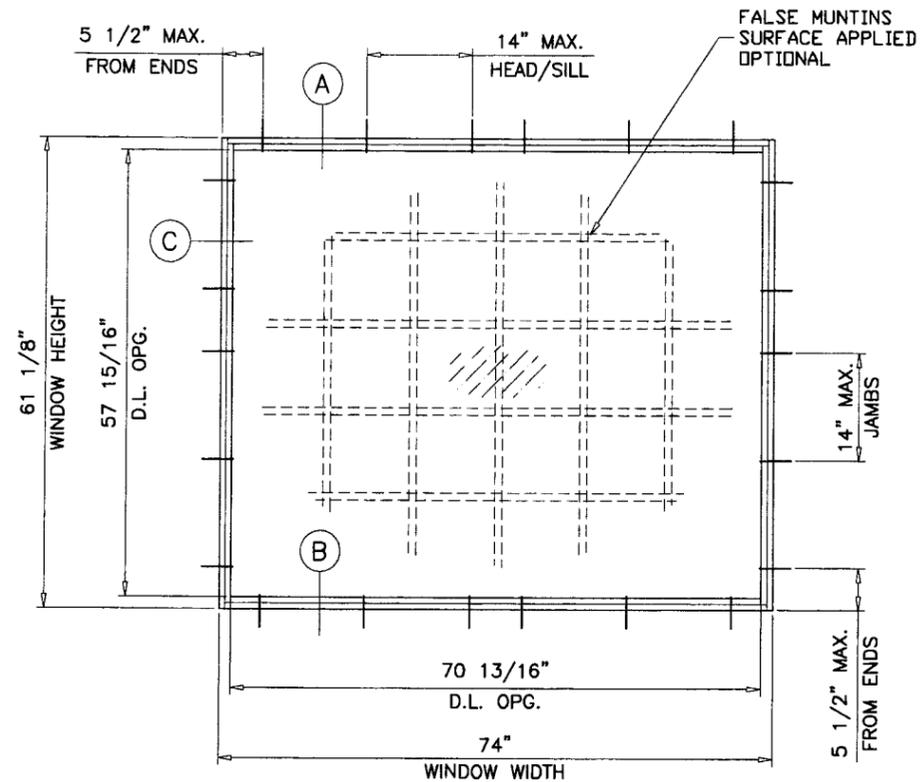
G. OTHER

1. Notice of Acceptance No. **03-0327.11**, Lawson Industries, Inc., Series "PW 4200/6200" Aluminum Fixed Window, approved on 05/22/03 and expiring on 08/22/07.

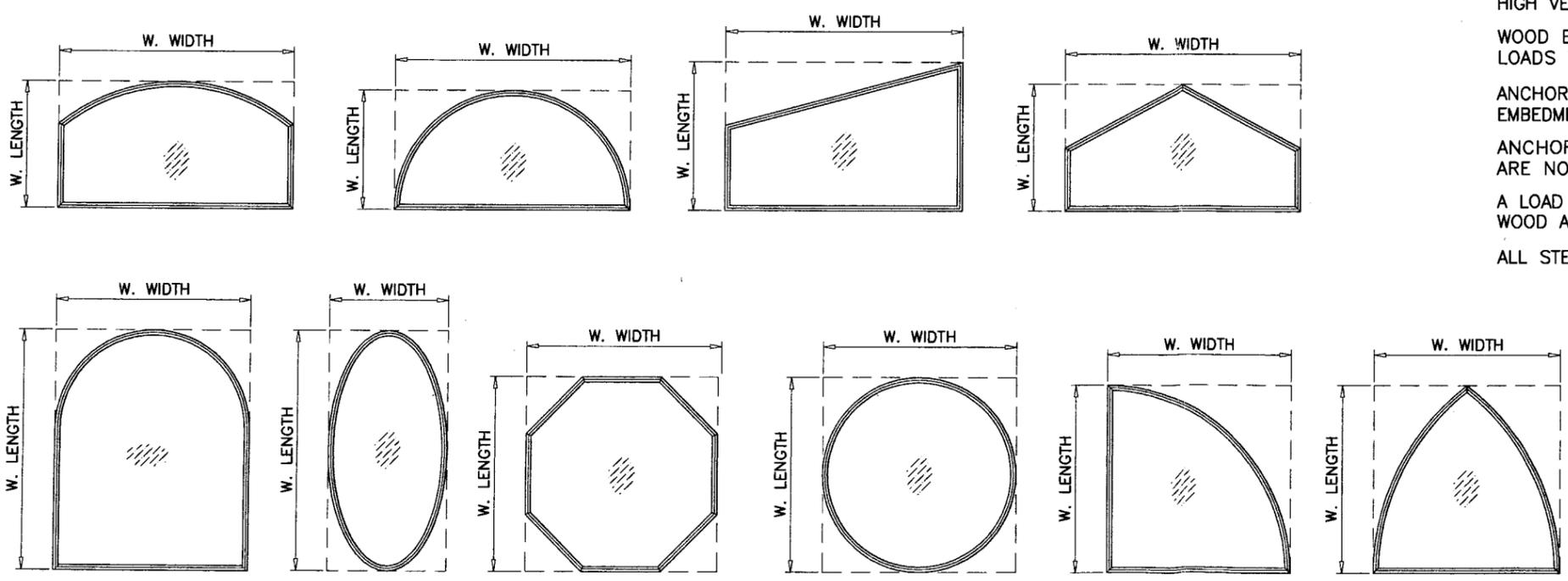
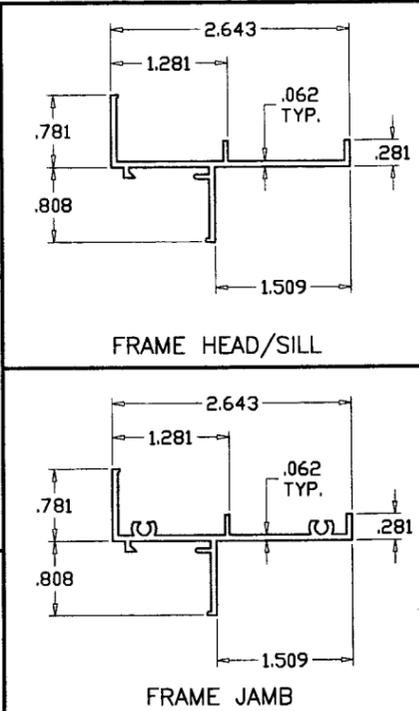
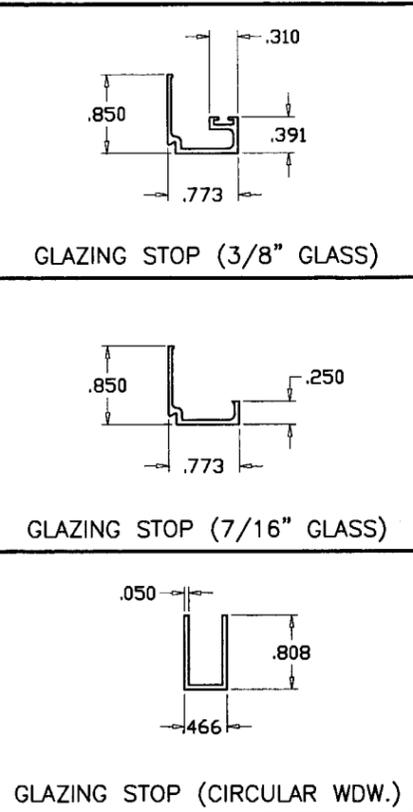

Manuel Perez, P.E.
Product Control Examiner
NOA No 06-0117.02

Expiration Date: August 22, 2007

Approval Date: July 20, 2006



TYPICAL ELEVATION
TESTED UNIT



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

NOTES:

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

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 IN ALLOWABLE STRESS IS USED IN DESIGN OF WOOD ANCHORS ONLY.

ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

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

DEC 08 2005

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 06-0117.02
Expiration Date AUG. 22, 2007

By: *Manuel Perez*
Miami Dade Product Control Division

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

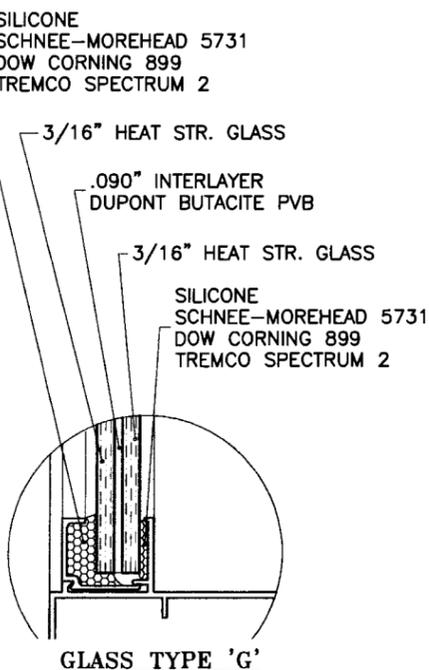
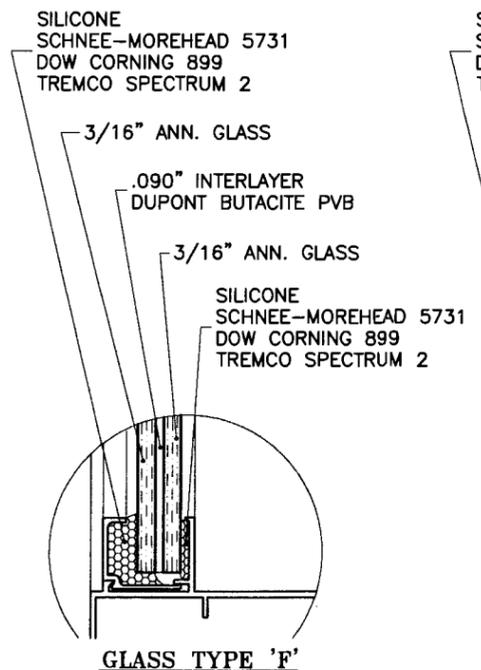
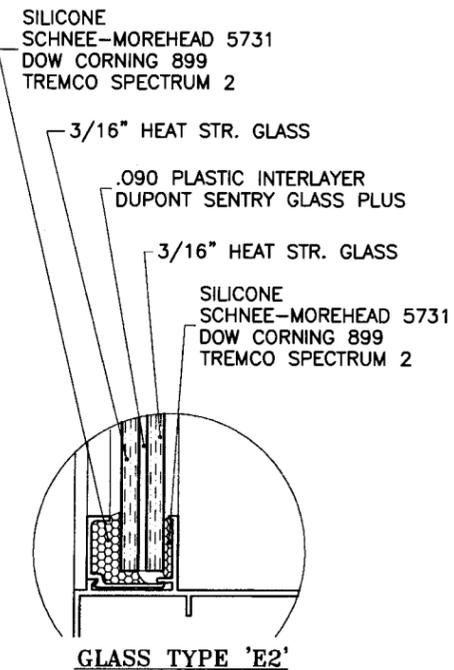
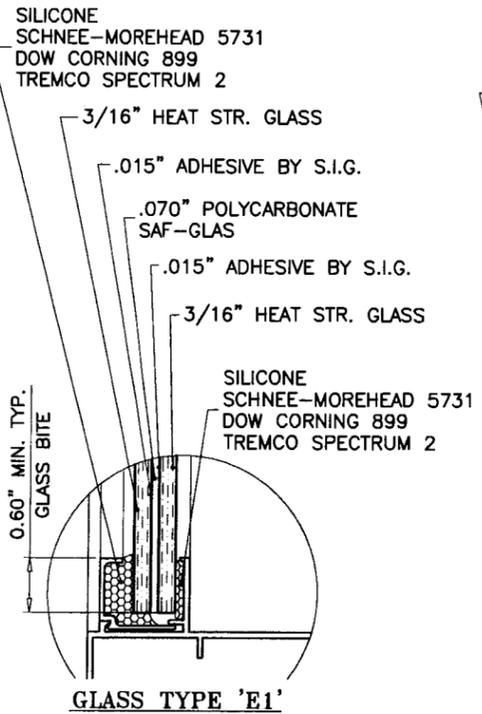
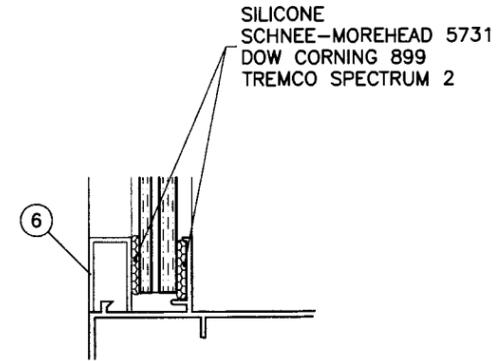
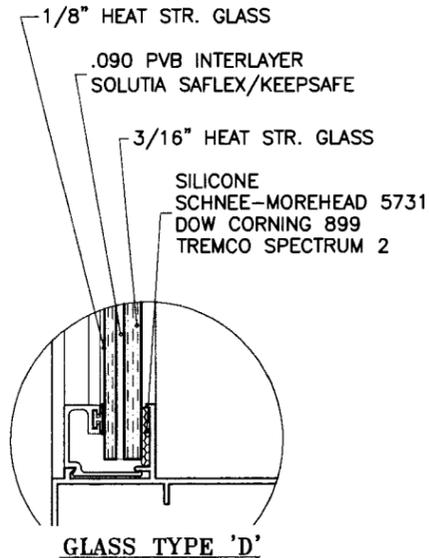
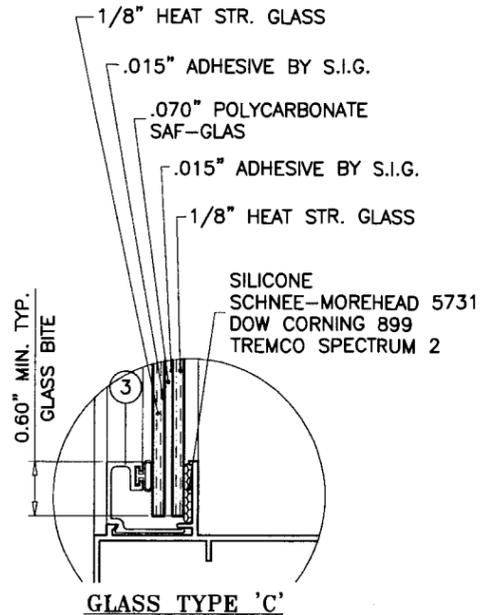
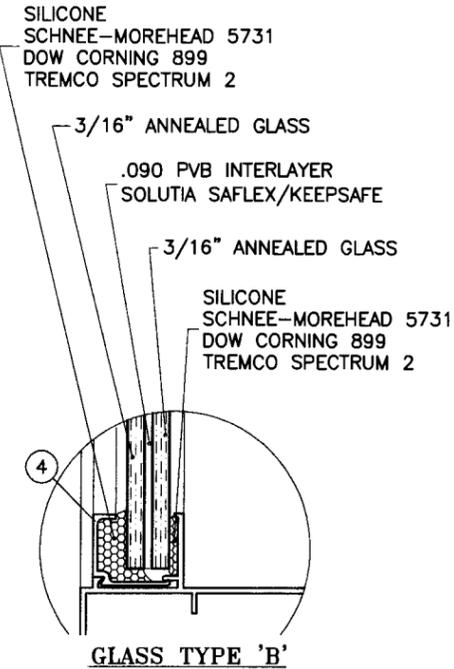
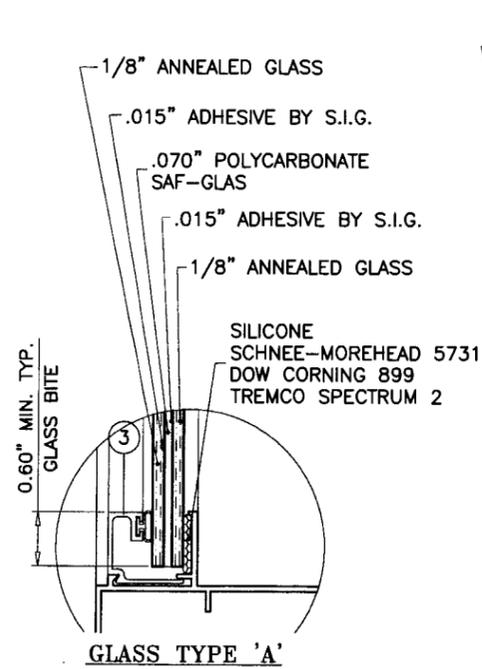
PW-4200/6200 ALUM FIXED WINDOW (IMPACT)

LAWSON INDUSTRIES
8501 N.W. 90TH STREET
MEDLEY, FL. 33160
TEL. (305) 696-8660 FAX (305) 696-6006

no	date	description
A	03.05.03	GLASS TYPE F&G, CIRCULAR WDW. ADD. SHEET 6 ADDED
B	11.14.05	UPDATED FOR 2004 FBC

date: 06-06-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W02-55
sheet 1 of 6



GLAZING OPTIONS

LARGE MISSILE IMPACT RESISTANT GLASS, SHUTTERS ARE NOT REQUIRED
SEE SHEETS 3 & 4 FOR CAPACITIES

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

DEC 08 2005

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0117-02
Expiration Date AUG. 22, 2007

By: *Muhammad Farooq*
Miami Trade Product Control
Division

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W02-55LI

PW-4200/6200 ALUM FIXED WINDOW (IMPACT)

LAWSON INDUSTRIES
8501 N.W. 90TH STREET
MEDLEY, FL. 33160
TEL. (305) 696-8660 FAX (305) 696-6006

no	date	by	description
A	03.05.03		GLASS TYPES F & G ADDED
B	11.14.05		NO CHANGE THIS SHEET

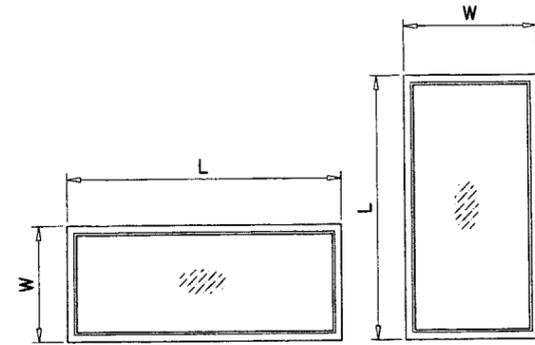
revisions:

date: 06-06-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. **W02-55**
sheet 2 of 6

DESIGN LOAD CAPACITY - PSF													
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'F'		GLASS TYPE 'C'		GLASS TYPE 'D' & 'G'		GLASS TYPE 'E1' & 'E2'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)						
19-1/8"	26"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
26-1/2"		65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
37"		65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
48"		65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
53-1/8"		65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
19-1/8"	38-3/8"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
26-1/2"		65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
37"		61.9	61.9	68.0	68.0	66.2	66.2	75.0	75.0	65.0	65.0	78.0	78.0
48"		58.7	58.7	68.0	68.0	63.8	63.8	75.0	75.0	65.0	65.0	78.0	78.0
53-1/8"		X	X	X	X	63.8	63.8	75.0	75.0	65.0	65.0	78.0	78.0
19-1/8"	50-5/8"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
26-1/2"		65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
37"		48.1	48.1	68.0	68.0	66.2	66.2	75.0	75.0	65.0	65.0	78.0	78.0
48"		X	X	X	X	51.0	51.0	68.0	65.9	65.0	65.0	78.0	78.0
53-1/8"		X	X	X	X	X	X	64.4	64.4	65.0	65.0	78.0	78.0
19-1/8"	58"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
26-1/2"		61.3	61.3	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
37"		X	X	X	X	66.2	66.2	75.0	75.0	65.0	65.0	78.0	78.0
48"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
53-1/8"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
19-1/8"	63"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
26-1/2"		60.3	60.3	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
37"		X	X	X	X	66.2	66.2	75.0	75.0	65.0	65.0	78.0	78.0
48"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
53-1/8"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
19-1/8"	74"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
26-1/2"		X	X	X	X	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
37"		X	X	X	X	X	X	62.8	62.8	65.0	65.0	78.0	78.0
48"		X	X	X	X	X	X	X	X	65.0	65.0	75.6	75.6
53-1/8"		X	X	X	X	X	X	X	X	65.0	65.0	72.0	72.0
19-1/8"	74-1/4"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
26-1/2"		X	X	X	X	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
37"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
48"		X	X	X	X	X	X	X	X	65.0	65.0	75.2	75.2
53-1/8"		X	X	X	X	X	X	X	X	65.0	65.0	71.6	71.6

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
A: ASTM E1300-98 (60 SEC. WIND)
B: ASTM E1300-02 (3 SEC. GUSTS)



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

af
C

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W02-55LI

PW-4200/6200 ALUM FIXED WINDOW (IMPACT)
LAWSON INDUSTRIES
8501 N.W. 90TH STREET
MEDLEY, FL. 33160
TEL. (305) 696-8660 FAX (305) 696-6006

no	date	description
A	03.05.03	GLASS TYPES F & G ADDED
B	11.14.05	CHARTS REV.

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **06-0117-02**
Expiration Date **AUG. 24, 2007**

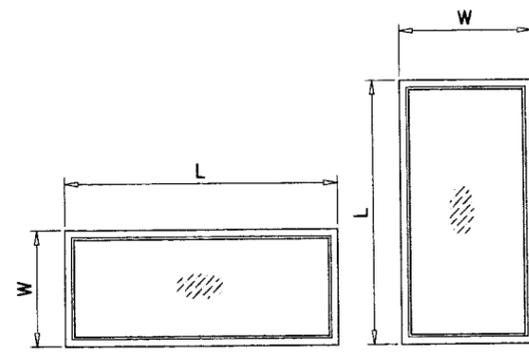
Mamud Barz
Mamud Barz
Member State Product Control
DEC 08 2005

date: 06-06-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W02-55

sheet 3 of 6

DESIGN LOAD CAPACITY - PSF													
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'F'		GLASS TYPE 'C'		GLASS TYPE 'D' & 'G'		GLASS TYPE 'E1' & 'E2'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)						
24"	36"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
30"		65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
36"		65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
42"		57.9	57.9	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
48"		51.4	51.4	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
54"		X	X	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
60"		X	X	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
24"	48"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
30"		61.8	61.8	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
36"		51.4	51.4	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
42"		X	X	64.7	64.7	58.3	58.3	75.0	75.0	65.0	65.0	78.0	78.0
48"		X	X	56.6	56.6	51.0	51.0	68.0	68.0	65.0	65.0	78.0	78.0
54"		X	X	56.6	56.6	51.0	51.0	68.0	68.0	65.0	65.0	78.0	78.0
60"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
24"	60"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
30"		49.9	49.9	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
36"		X	X	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
42"		X	X	64.7	64.7	58.3	58.3	75.0	75.0	65.0	65.0	78.0	78.0
48"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
54"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
60"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
24"	72"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
30"		X	X	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
36"		X	X	65.5	65.5	68.0	68.0	66.9	66.9	65.0	65.0	78.0	78.0
42"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
48"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
54"		X	X	X	X	X	X	X	X	65.0	65.0	74.7	74.7
60"		X	X	X	X	X	X	X	X	65.0	65.0	72.0	72.0
24"	74"	65.0	65.0	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
30"		X	X	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
36"		X	X	64.9	64.9	68.0	68.0	65.1	65.1	65.0	65.0	78.0	78.0
42"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
48"		X	X	X	X	X	X	X	X	65.0	65.0	75.6	75.6
54"		X	X	X	X	X	X	X	X	65.0	65.0	71.5	71.5
60"		X	X	X	X	X	X	X	X	65.0	65.0	68.7	68.7
24"	84"	X	X	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
30"		X	X	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
36"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
42"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
48"		X	X	X	X	X	X	X	X	65.0	65.0	73.5	73.5
24"	96"	X	X	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
30"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
36"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
42"		X	X	X	X	X	X	X	X	65.0	65.0	76.8	76.8
24"	108"	X	X	68.0	68.0	68.0	68.0	75.0	75.0	65.0	65.0	78.0	78.0
30"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
36"		X	X	X	X	X	X	X	X	65.0	65.0	74.7	74.7
24"	120"	X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
30"		X	X	X	X	X	X	X	X	65.0	65.0	78.0	78.0
36"		X	X	X	X	X	X	X	X	65.0	65.0	74.1	74.1



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

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
A: ASTM E1300-98 (60 SEC. WIND)
B: ASTM E1300-02 (3 SEC. GUSTS)

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
[Signature]
DEC 08 2005

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0117-02
Expiration Date AVG. 22, 2007
[Signature]
Wilson/Code Product Control
Division

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W02-55LI

PW-4200/6200 ALUM FIXED WINDOW (IMPACT)

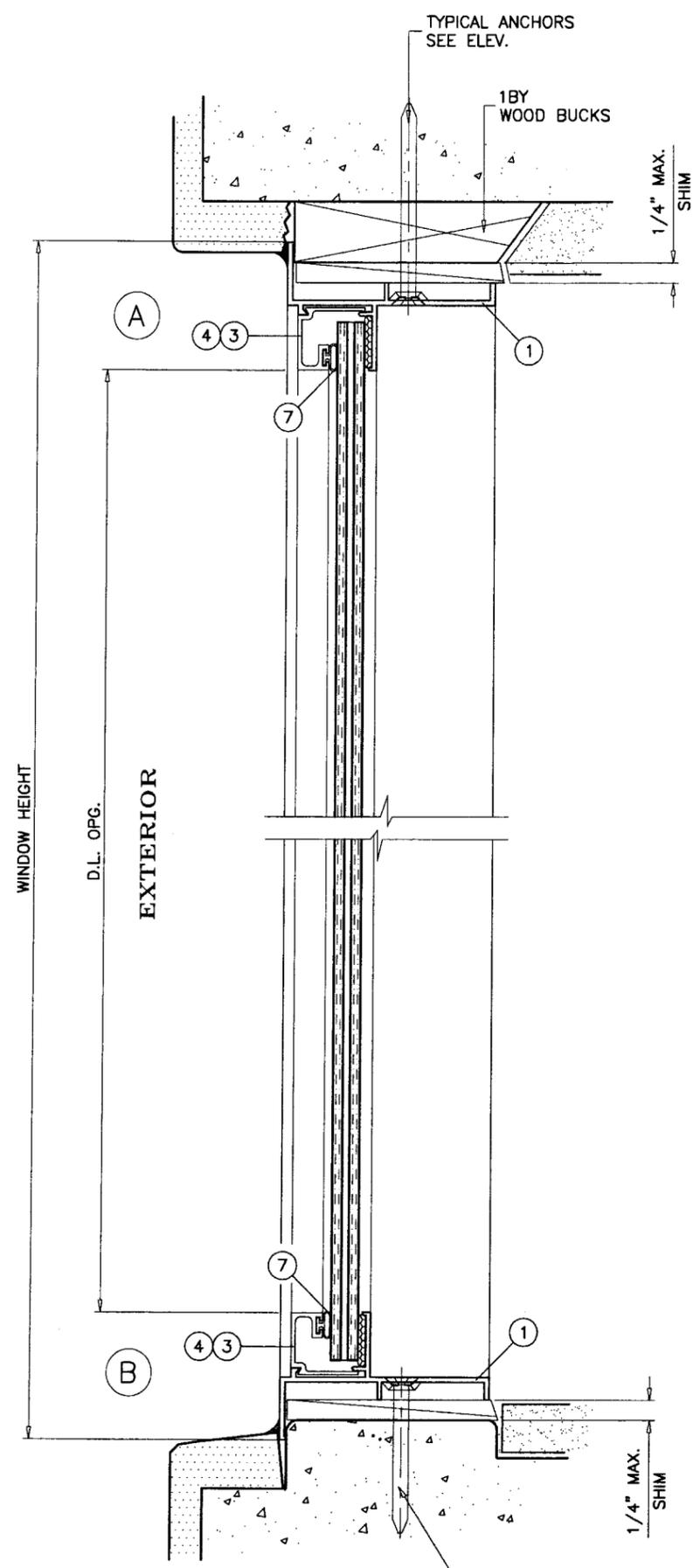
LAWSON INDUSTRIES
8501 N.W. 90TH STREET
MEDLEY, FL. 33160
TEL. (305) 696-8660 FAX (305) 696-6006

no	date	description
A	03.05.03	GLASS TYPES F & G ADDED
B	11.14.05	CHARTS REV.

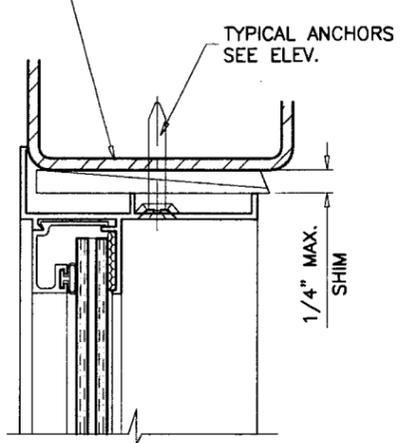
revisions:

date: 06-06-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. **W02-55**
sheet 4 of 6



METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK)
STEEL : $F_y = 36$ KSI MIN.
ALUMINUM : 6063-T5 MIN.



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" TAPCONS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
1-1/4" MIN. EMBED INTO MASONRY OR CONC.

1/4" DRILLFLEX OR EQUIV. SELF DRILLING SCREWS

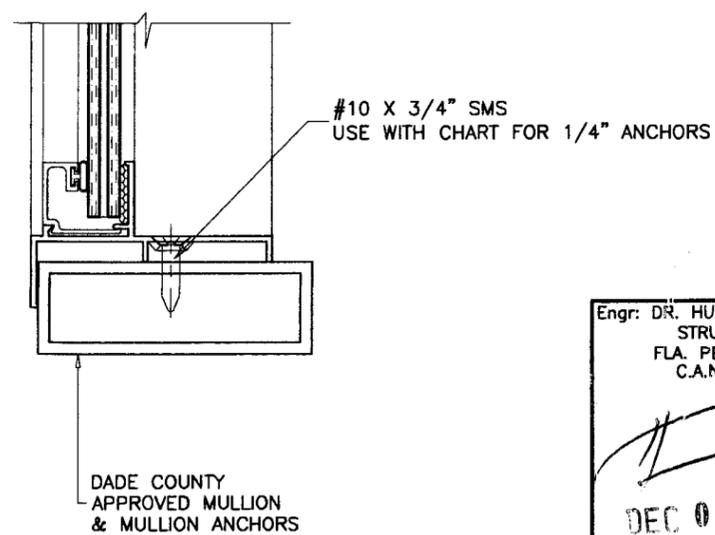
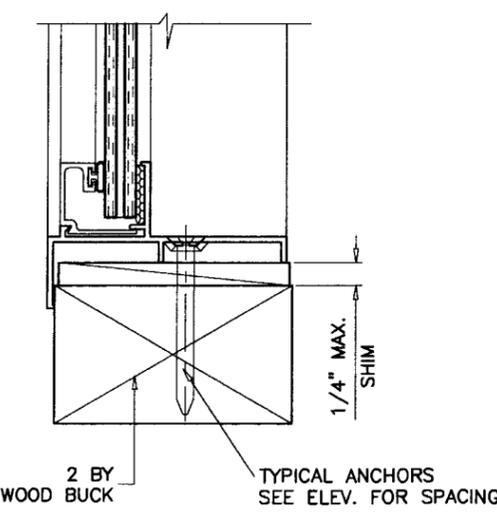
INTO METAL STRUCTURES (1/8" MIN. THICKNESS)

#10 X 3/4" SMS

INTO APPROVED MULLIONS (NO SHIM SPACE)

SEALANTS:

FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.



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

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 06-0117.02
Expiration Date AUG. 22, 2007

By *Manuel Serrano*
Miami Dade Product Control
Division

DEC 08 2005

ALFC

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W02-55LI

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no	date	by description
A	03.05.03	NO CHANGE THIS SHEET
B	11.14.05	ANCHORS REV.

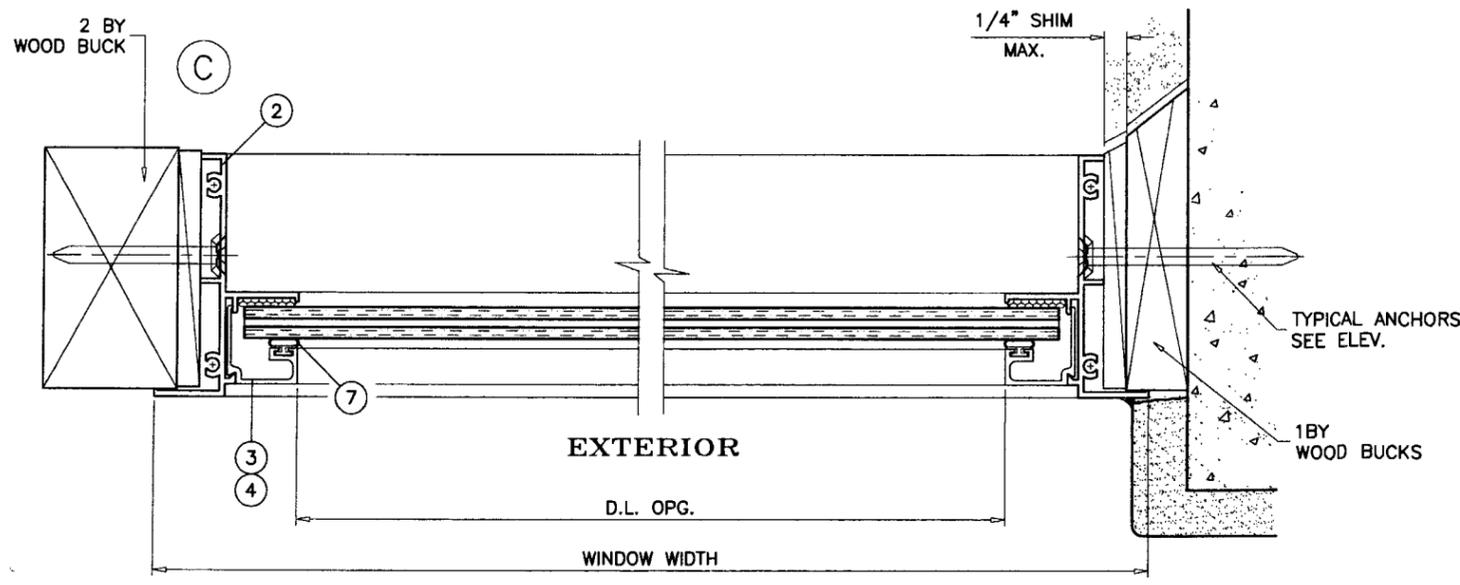
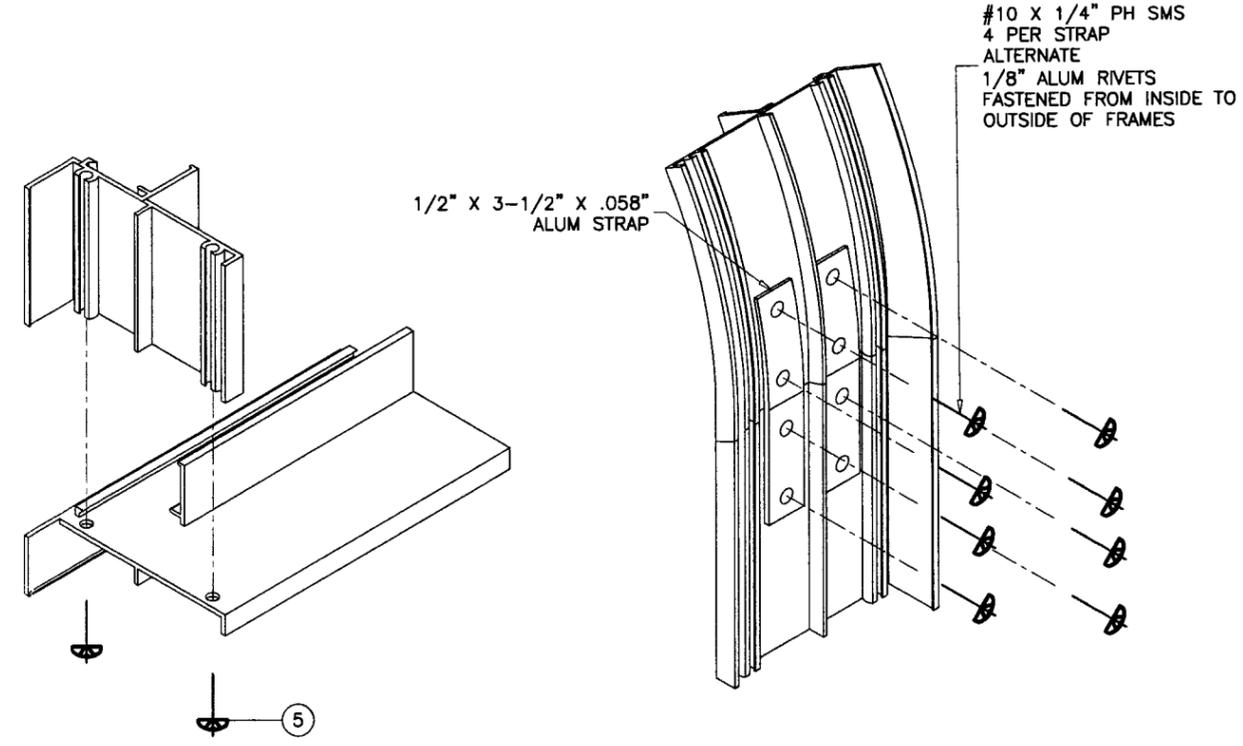
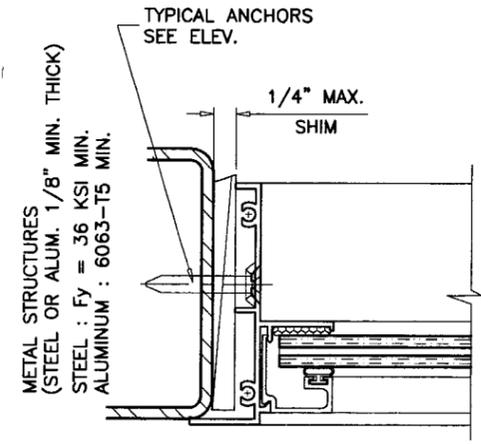
date: 06-06-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W02-55

sheet 5 of 6

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	L-4201	2	FRAME HEAD/SILL	6063-T5	-
2	L-4201	2	FRAME JAMB	6063-T5	-
3	L-7708	4	GLAZING BEAD (3/8" GLASS)	6063-T5	-
4	L-7708 TRIMMED	4	GLAZING BEAD (7/16" GLASS)	6063-T5	-
5	#8 X 3/4"	2/ CORNER	ASSEMBLY SCREWS	-	P.H. PHILLIPS
6	L-4204	AS REQD.	GLAZING BEAD AT CIRCULAR WDWs.	6063-T5	-
7	VWS-004	AS REQD.	GLAZING GASKET	SOFT PVC	-

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 MIAMI, FLORIDA 33174
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 COMP-ANL W02-55LI



TYPICAL CORNER CONSTRUCTION

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 DEC 08 2005

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 06-0117-02
 Expiration Date AUG. 22, 2007
 By *Muhammad Peres*
 Miami Dade Product Control
 Division

PW-4200/6200 ALUM FIXED WINDOW (IMPACT)
LAWSON INDUSTRIES
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no	date	by	description
A	03.05.03		STRAP DETAIL ADDED
B	11.14.05		NO CHANGE THIS SHEET

date: 06-06-02
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W02-55
 sheet 6 of 6