



**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

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

**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

Your application for Notice of Acceptance (NOA) of:

**Series: Single Hung (SH-7700) Impact Window**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 01-1009.01**  
**EXPIRES: 12/27/2006**

Raul Rodriguez  
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL  
CONDITIONS  
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 12/27/2001**

NOTICE OF ACCEPTANCE:                    SPECIFIC CONDITIONS

**1. SCOPE**

1.1 This an aluminum single hung window, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

2.1 The Series “SH-7700” Aluminum Single Hung Window– Large Missile Impact Resistant and its components shall be constructed in strict compliance with the following document: Drawing No WO1-66, Sheets 1 through 4 of 4, titled “SH-7700 Aluminum Single Hung Window,” prepared by Al Farooq Corporation, dated 9/26/01 and revised on 11/29/01, signed sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control approval stamp with the NOA number and approval date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

3.1 This approval applies to single unit applications only, as shown in approved drawings.  
3.2 For Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in approved drawings.

**4. INSTALLATION**

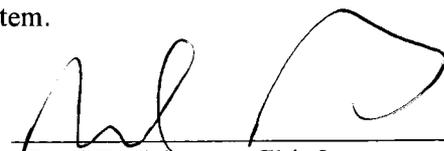
4.1 The aluminum single hung window and its components shall be installed in strict compliance with the approved drawings.  
4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

**5. LABELING**

5.1 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".

**6. BUILDING PERMIT REQUIREMENTS**

6.1 Application for building permit shall be accompanied by copies of the following:  
6.1.1 This Notice of Acceptance  
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.  
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

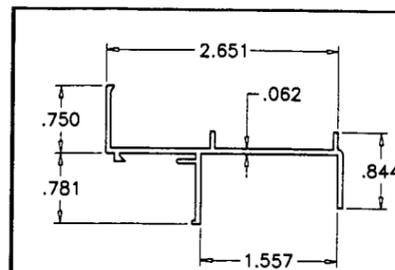
  
\_\_\_\_\_  
Raul Rodriguez, Chief  
Product Control Division

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

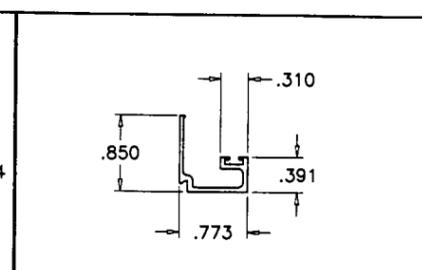
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
  - b) The product is no longer the same product (identical) as the one originally approved;
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a) Unsatisfactory performance of this product or process.
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

**END OF THIS ACCEPTANCE**

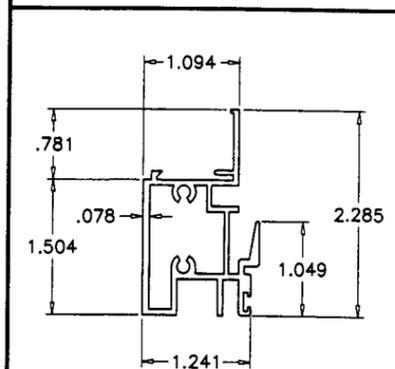
  
\_\_\_\_\_  
Raul Rodriguez, Chief  
Product Control Division



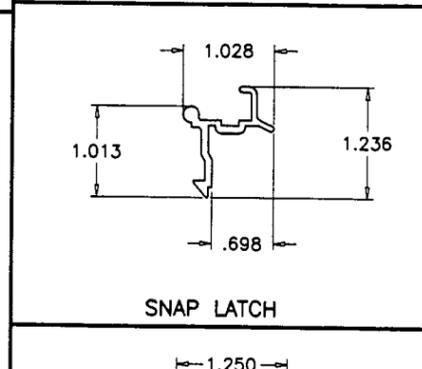
FRAME HEAD



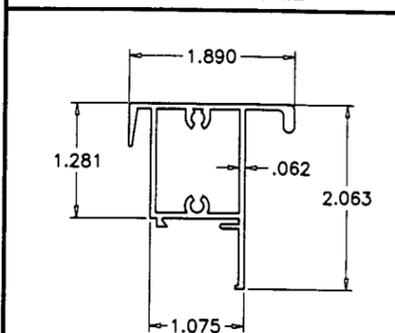
GLAZING BEAD



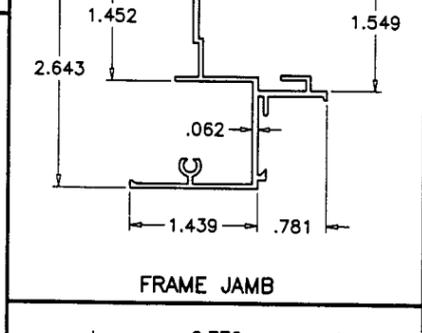
FIXED MEETING RAIL



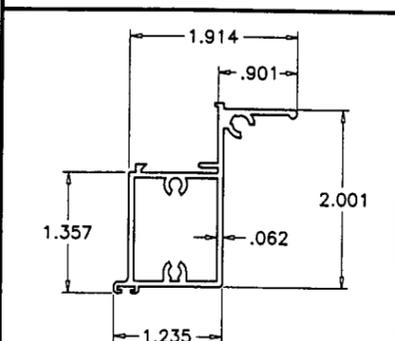
SNAP LATCH



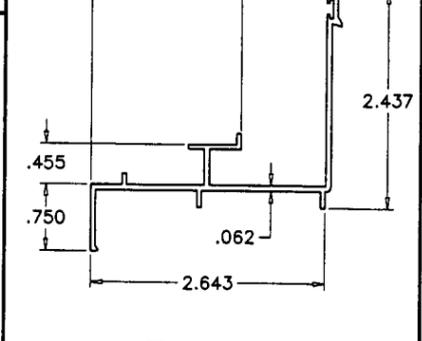
VENT TOP RAIL



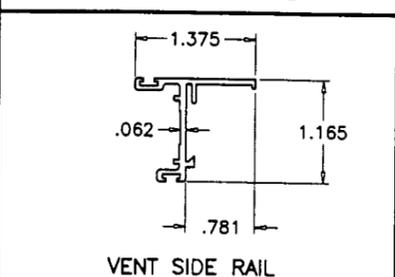
FRAME JAMB



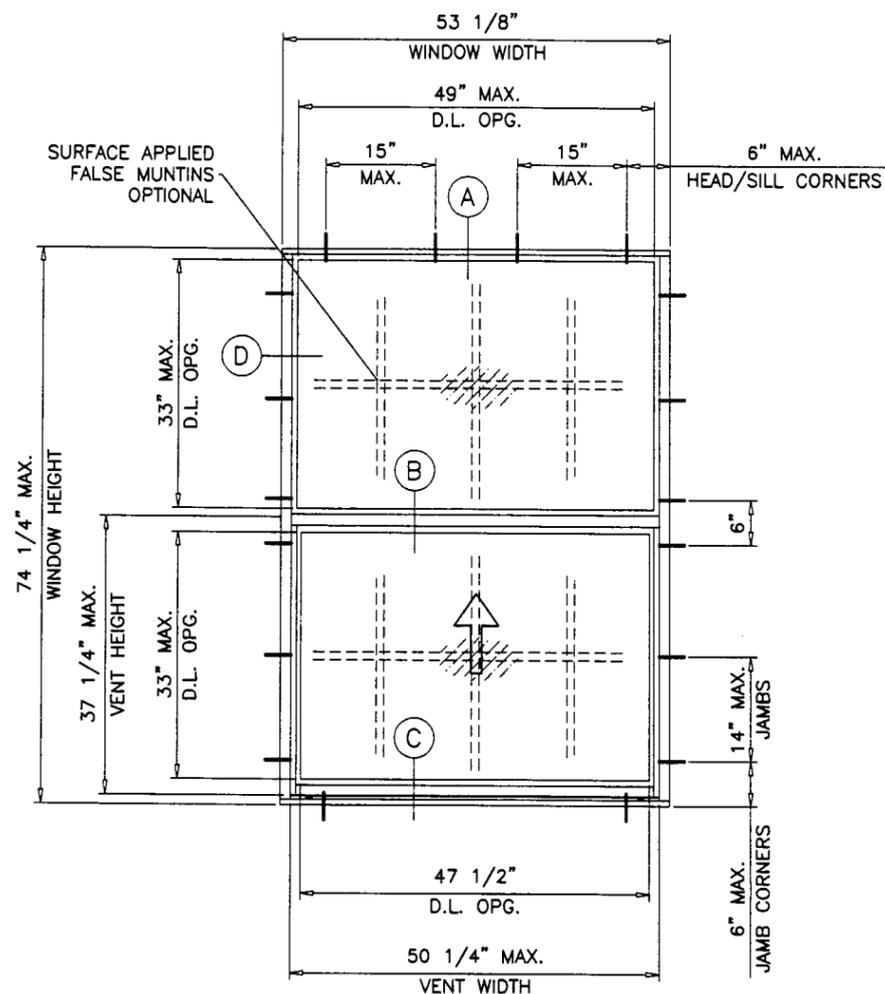
VENT BOTTOM RAIL



FRAME SILL



VENT SIDE RAIL



TYPICAL ELEVATION  
TESTED UNIT

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

**A - 3/16" TAPCONS**

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

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

**B - 1/4" TAPCONS**

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

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

**KWIK PRO SELF DRILLING SCREWS BY HILTI OR EQUIV.**

INTO METAL STRUCTURES (1/8" MIN. THICKNESS)  
(1/4" MAX. SHIM SPACE)

**#10 SMS OR SELF DRILLING SCREWS**

INTO DADE COUNTY APPROVED MULLIONS  
(NO SHIM SPACE)

**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

**NOTES:**

1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE December 27, 2001

BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-1009.01

NOV 29 2001

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 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**  
7030 N.W. 37 TH. COURT  
MIAMI, FL. 33147  
TEL. (305) 696-8660 FAX (305) 696-6006

| revisions: | no | date     | by | description            |
|------------|----|----------|----|------------------------|
|            | A  | 11.29.01 |    | REV. PER BCCO COMMENTS |

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dr. by: HAMID  
chk. by:

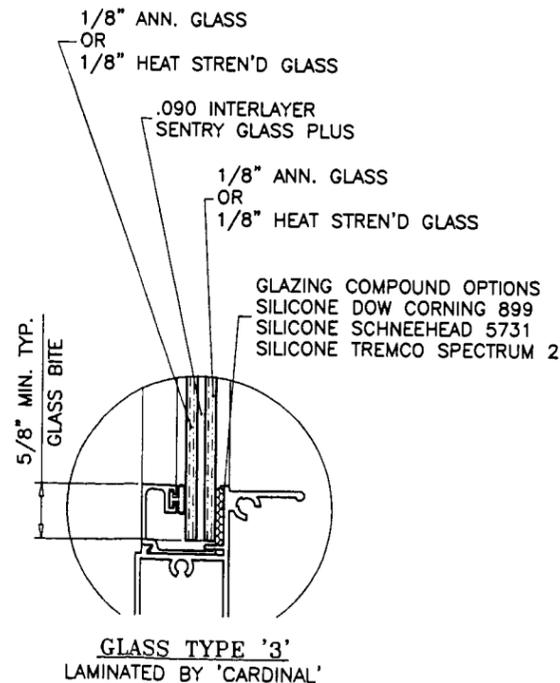
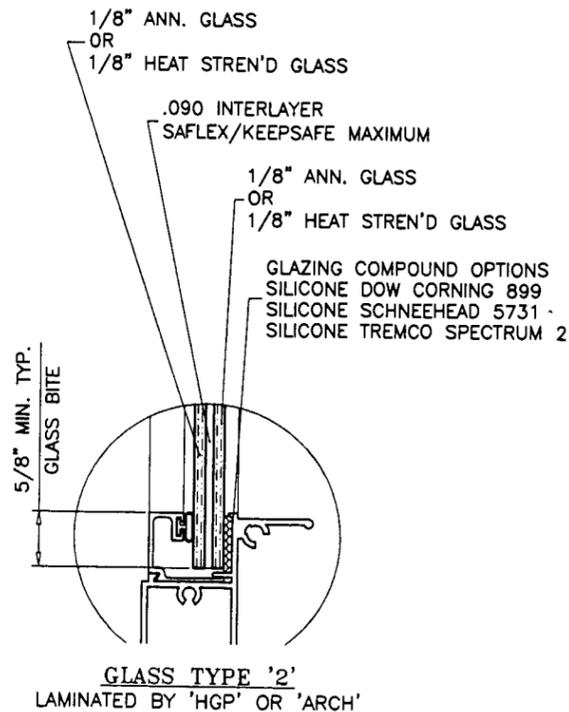
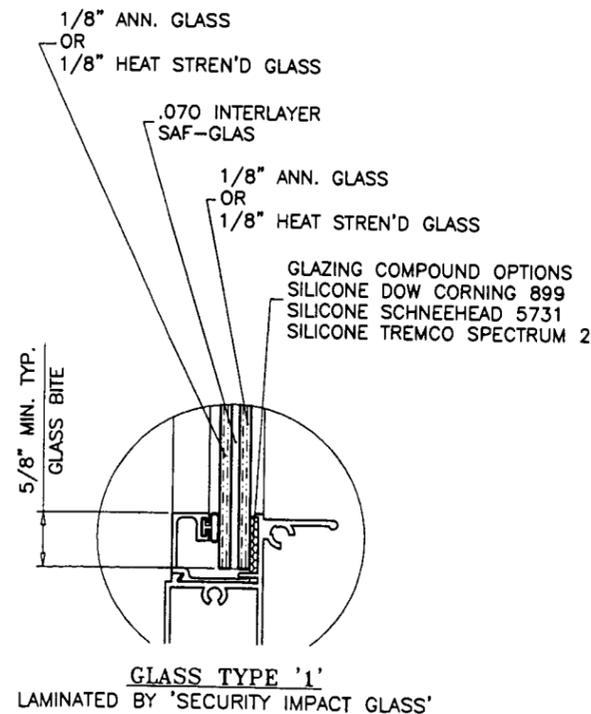
drawing no. **W01-66**  
sheet 1 of 4

| DESIGN LOAD CAPACITY - PSF |                |                 |          |                |          |                |          |
|----------------------------|----------------|-----------------|----------|----------------|----------|----------------|----------|
| WINDOW DIMS.               |                | ANCHOR TYPE 'A' |          |                |          |                |          |
|                            |                | ANNEALED GLASS  |          |                |          |                |          |
|                            |                | GLASS TYPE '1'  |          | GLASS TYPE '2' |          | GLASS TYPE '3' |          |
| WIDTH                      | HEIGHT         | EXT. (+)        | INT. (-) | EXT. (+)       | INT. (-) | EXT. (+)       | INT. (-) |
| 19-1/8"                    | 26"<br>(4)     | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 26-1/2"                    |                | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 37"                        |                | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 53-1/8"                    | 38-3/8"<br>(4) | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 19-1/8"                    |                | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 26-1/2"                    |                | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 37"                        |                | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 53-1/8"                    | 50-5/8"<br>(4) | 81.9            | 81.9     | 80.0           | 80.0     | 80.0           | 80.0     |
| 19-1/8"                    |                | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 26-1/2"                    |                | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 37"                        | 58"<br>(6)     | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 53-1/8"                    |                | 75.8            | 75.8     | 75.8           | 75.8     | 75.8           | 75.8     |
| 19-1/8"                    |                | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 26-1/2"                    |                | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 37"                        | 63"<br>(6)     | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 53-1/8"                    |                | 61.0            | 61.0     | 61.0           | 61.0     | 61.0           | 61.0     |
| 19-1/8"                    |                | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 26-1/2"                    | 74-1/4"<br>(6) | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 37"                        |                | 82.2            | 82.2     | 80.0           | 80.0     | 80.0           | 80.0     |
| 53-1/8"                    |                | 55.4            | 55.4     | 55.4           | 55.4     | 55.4           | 55.4     |
| 19-1/8"                    | 74-1/4"<br>(6) | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 26-1/2"                    |                | 90.0            | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 37"                        |                | 67.2            | 67.2     | 67.2           | 67.2     | 67.2           | 67.2     |
| 53-1/8"                    |                | 47.5            | 47.5     | 47.5           | 47.5     |                |          |

| DESIGN LOAD CAPACITY - PSF |                |                         |          |                |          |                |          |
|----------------------------|----------------|-------------------------|----------|----------------|----------|----------------|----------|
| WINDOW DIMS.               |                | ANCHOR TYPE 'A'         |          |                |          |                |          |
|                            |                | HEAT STRENGTHENED GLASS |          |                |          |                |          |
|                            |                | GLASS TYPE '1'          |          | GLASS TYPE '2' |          | GLASS TYPE '3' |          |
| WIDTH                      | HEIGHT         | EXT. (+)                | INT. (-) | EXT. (+)       | INT. (-) | EXT. (+)       | INT. (-) |
| 53-1/8"                    | 50-5/8"<br>(4) | 90.0                    | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 53-1/8"                    | 58"<br>(6)     | 81.3                    | 81.3     | 80.0           | 80.0     | 80.0           | 80.0     |
| 37"                        | 63"            | 90.0                    | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 53-1/8"                    | (6)            | 74.9                    | 74.9     | 74.9           | 74.9     | 74.9           | 74.9     |
| 37"                        | 74-1/4"        | 90.0                    | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 53-1/8"                    | (6)            | 63.5                    | 63.5     | 80.0           | 80.0     |                |          |

| DESIGN LOAD CAPACITY - PSF |                |                         |          |                |          |                |          |
|----------------------------|----------------|-------------------------|----------|----------------|----------|----------------|----------|
| WINDOW DIMS.               |                | ANCHOR TYPE 'B'         |          |                |          |                |          |
|                            |                | HEAT STRENGTHENED GLASS |          |                |          |                |          |
|                            |                | GLASS TYPE '1'          |          | GLASS TYPE '2' |          | GLASS TYPE '3' |          |
| WIDTH                      | HEIGHT         | EXT. (+)                | INT. (-) | EXT. (+)       | INT. (-) | EXT. (+)       | INT. (-) |
| 53-1/8"                    | 58"<br>(6)     | 90.0                    | 90.0     |                |          |                |          |
| 53-1/8"                    | 63"<br>(6)     | 90.0                    | 90.0     | 80.0           | 80.0     | 80.0           | 80.0     |
| 53-1/8"                    | 74-1/4"<br>(6) | 80.0                    | 80.0     | 80.0           | 80.0     |                |          |

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



GLAZING OPTIONS  
LARGE MISSILE IMPACT RESISTANT GLASS, SHUTTERS ARE NOT REQUIRED

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557

NOV 29 2001

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE December 27, 2001

By: [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-1009.01

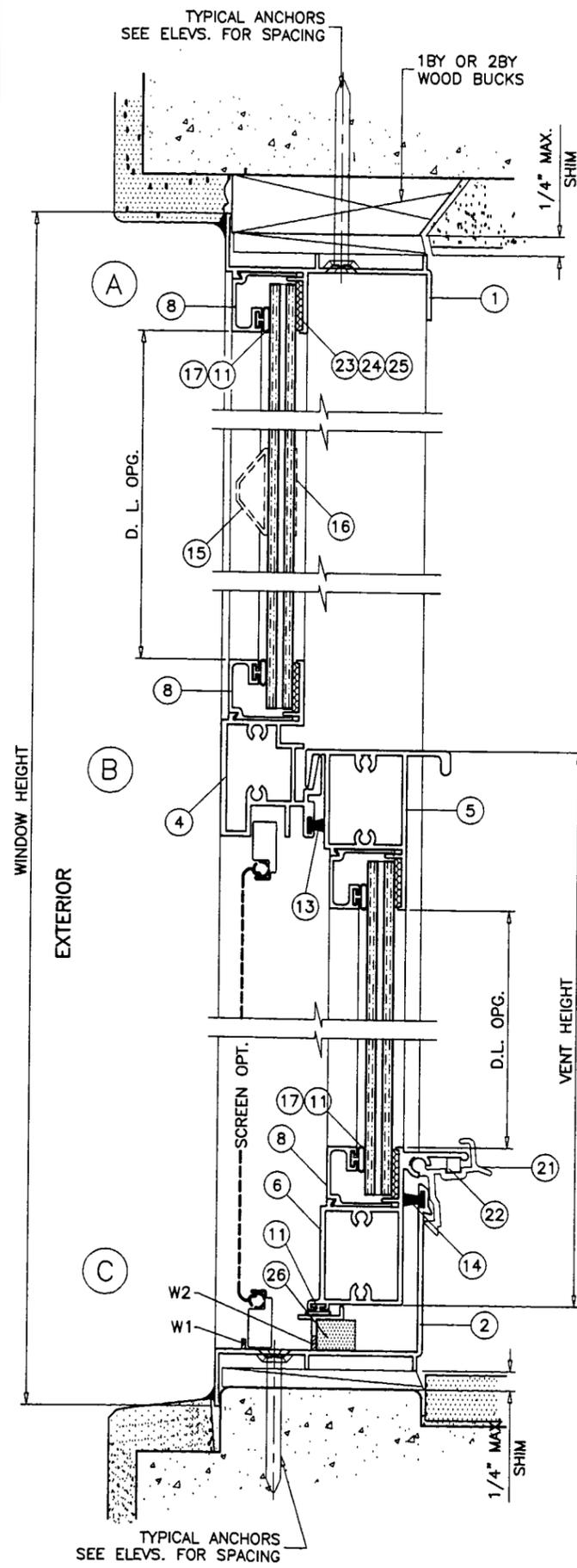
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| no. | date | description |
|-----|------|-------------|
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|     |      |             |
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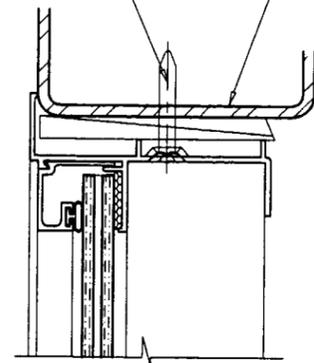
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scale: 1/2" = 1'-0"  
dr. by: HAMID  
chk. by:

drawing no.  
**W01-66**  
sheet 2 of 4



TYPICAL ANCHORS  
SEE ELEV. FOR SPACING

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



TYPICAL ANCHORS  
SEE ELEV. FOR SPACING

1BY OR 2BY  
WOOD BUCK

| ITEM NO. | PART #  | QUANTITY  | DESCRIPTION               | MATERIAL | MANF./SUPPLIER/REMARKS    |
|----------|---------|-----------|---------------------------|----------|---------------------------|
| 1        | L-7701  | 1         | FLANGE FRAME HEAD         | 6063-T5  | -                         |
| 2        | L-7702  | 1         | FLANGE FRAME SILL         | 6063-T5  | -                         |
| 3        | L-7703  | 2         | FLANGE FRAME JAMB         | 6063-T5  | -                         |
| 4        | L-7704  | 1         | FRAME FIXED MEETING RAIL  | 6063-T6  | -                         |
| 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 ( 3/8" )     | 6063-T5  | -                         |
| 9        | FS-006  | AS REQ'D. | FRAME ASSEMBLY SCREWS     | -        | #8 X 3/4" PH PHILLIPS     |
| 10       | -       | -         | -                         | -        | -                         |
| 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       | L-7539  | 2/ VENT   | VENT LATCH                | -        | AT 6" FROM EACH END       |
| 22       | L-7523  | 2/ VENT   | VENT LATCH SPRING         | -        | -                         |
| 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               |

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

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557

NOV 29 2001

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE December 27, 2001  
BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-1009.01

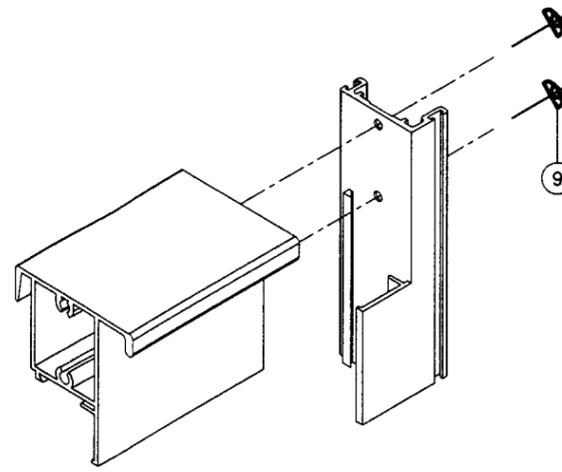
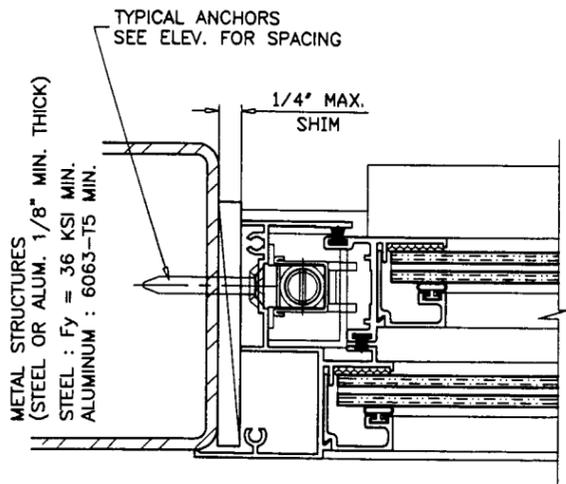
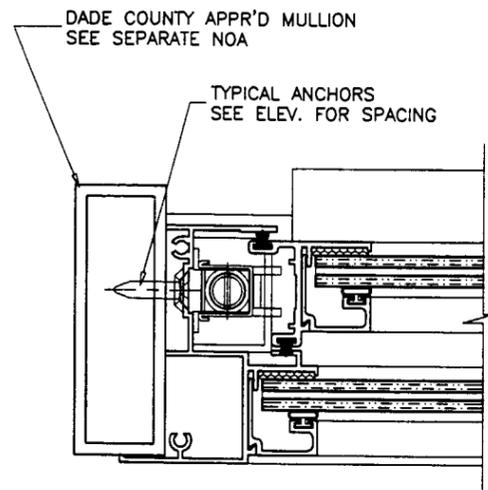
**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W01-66LI

SH-7700 ALUMINUM SINGLE HUNG WINDOW  
**LAWSON INDUSTRIES**  
7030 N.W. 37 TH. COURT  
MIAMI, FL. 33147  
TEL. (305) 696-8660 FAX (305) 696-6006

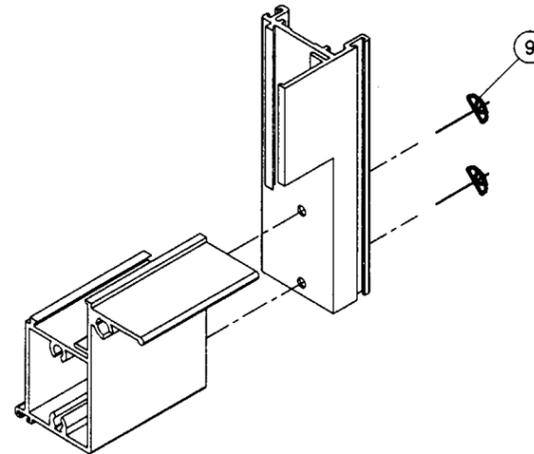
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dr. by: HAMID  
chk. by:

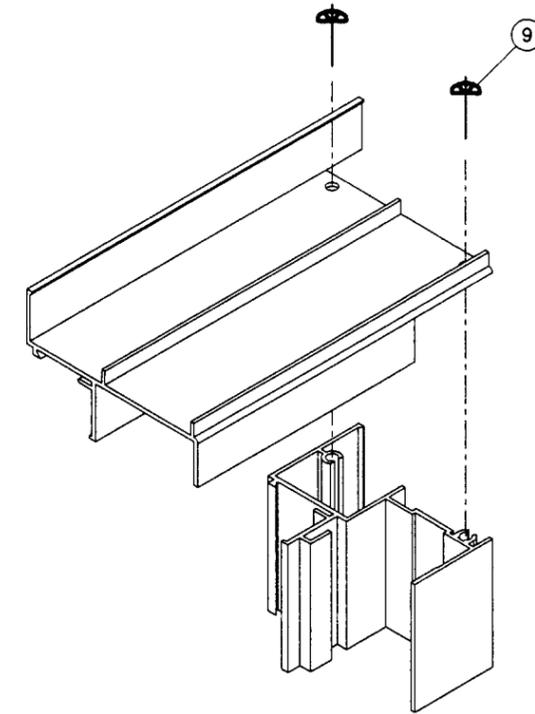
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**W01-66**  
sheet 3 of 4



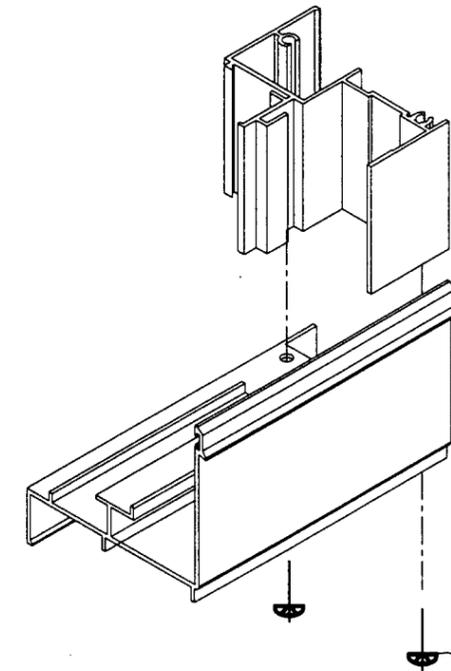
VENT TOP CORNER



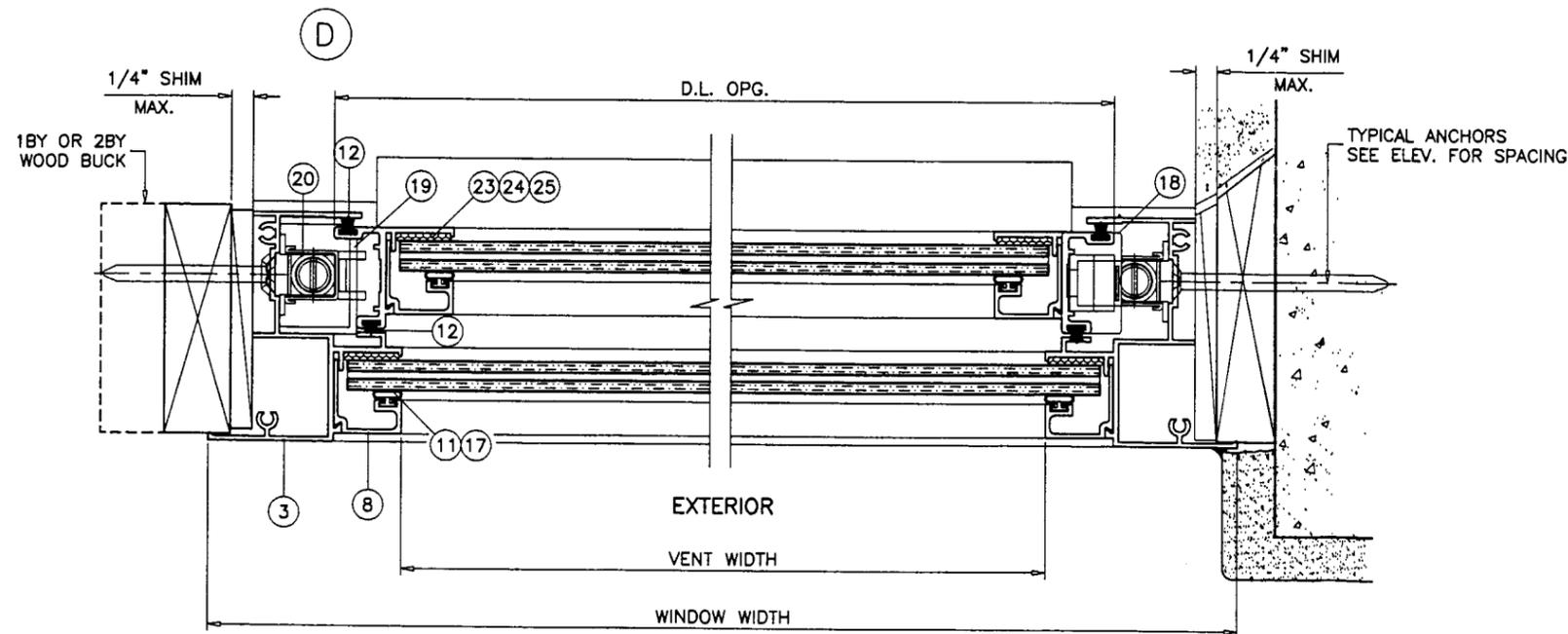
VENT BOTTOM CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER



Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE *December 27, 2001*

BY: *[Signature]*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *01-1009-01*

NOV 29 2001

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

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| no | date | description |
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date: 09-26-01  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W01-66**

sheet 4 of 4

COMP-ANL\W01-66LI