



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
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Lawson Industries, Inc.
8501 NW 90th Street
Miami, 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 9200 Aluminum Sliding Glass Door -LMI

APPROVAL DOCUMENT: Drawing No. **W02-23**, titled "Series-9200 Aluminum Sliding Glass Door (LMI), sheets 1 through 4 of 4, prepared by Al-Farooq Corporation, dated 03/18/02 and last revised on May 10, 2007, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Renewal 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 **renews** NOA # **06-0406.06** consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P. E.**



6/10/12

NOA No 07-0516.01
Expiration Date: June 13, 2012
Approval Date: July 05, 2007
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS (transferred from file # 06-0406.06)

1. Manufacturer's die drawings and sections.
2. Drawing No. **W02-23**, titled "Series-9200 Aluminum Sliding Glass Door (LMI), sheets 1 through 4 of 4, prepared by Al-Farooq Corporation, dated 03/18/02 and last revised on May 10, 2007, signed and sealed by Humayoun Farooq, P.E.

B. TESTS (transferred from file # 06-0406.06)

1. 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 and TAS 202-94

Along with marked-up drawings and installation diagram of an Aluminum Sliding Glass Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-3078, dated 1/10/02, signed and sealed by Luis Figueredo, P.E., Test Reports No. Test Report No. FTL-3424, dated 04/18/02, Test Report No. FTL-3425, dated 04/29/02, Test Report No. FTL-3426, dated 04/26/02, FTL-3492, dated 06/20/02, Test report No. FTL-3493, dated 06/24/02 and Test Report No. FTL-3516, dated 07/12/02, all signed and sealed by James G. Worth, P.E.

C. CALCULATIONS (transferred from file # 06-0406.06)

1. Anchor verification calculation, complying w/ FBC 2004, prepared by Al-Farooq Corporation dated 03-16-06 and last revised on Oct. 20, 2006, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Glazing complies with ASTM E-1300-98 & -02.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **01-1204.01** issued to "E.I. DuPont DeNemours" for "Sentry Glass ® Plus", expiring on 01/14/08.
2. Notice of Acceptance No. **05-1208.02** issued to "E.I. DuPont DeNemours" for "Dupont Butacite ® PVB", expiring on 12/11/10.
3. Notice of Acceptance No. **03-0827.08** issued to Solutia Inc. for "Solutia Interlayer" expiring on 03/04/2009.
4. Notice of Acceptance No. **03-0415.13** issued to Solutia Inc. for "Saflex HP" expiring on 04/14/2008.

F. STATEMENTS

1. Statement letter of compliance w/FBC-2004 and product has not changed, signed by Dr. Humayoun Farooq, P.E.
2. Statement letter of compliance and of no financial interest, dated 05/11/07, signed and sealed by Dr. Humayoun Farooq, P.E.
3. Lab compliance statements, part of above referenced test reports.

G. OTHER

1. This NOA revises # **06-0406.06** expiring June 13, 2007

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Examiner
NOA No 07-0516.01
Expiration Date: June 13, 2012
Approval Date: July 05, 2007

| DESIGN LOAD CAPACITY - PSF (STD. SILL) | | | | | | | | | |
|--|---------------------------------|----------------|----------|----------------|----------|----------------|----------|----------------|----------|
| NOMINAL DOOR SIZES WIDTH FT./IN. | DOOR SIZES HEIGHT FT./IN. | GLASS TYPE 'A' | | GLASS TYPE 'B' | | GLASS TYPE 'C' | | GLASS TYPE 'D' | |
| | | EXT. (+) | INT. (-) |
| 6/0 (NO STEEL) | 6/8 | 56.7 | 95.0 | 56.7 | 65.0 | 56.7 | 85.0 | 56.7 | 75.0 |
| 8/0 (WITH STEEL) | 6/8 | 56.7 | 85.0 | 56.7 | 70.0 | 56.7 | 78.8 | 56.7 | 68.8 |
| 8/0 (WITH STEEL) | 8/0 | 56.7 | 65.0 | 56.7 | 65.0 | X | X | X | X |

| DESIGN LOAD CAPACITY - PSF (WITH SILL RISER) | | | | | | | | | |
|--|---------------------------------|----------------|----------|----------------|----------|----------------|----------|----------------|----------|
| NOMINAL DOOR SIZES WIDTH FT./IN. | DOOR SIZES HEIGHT FT./IN. | GLASS TYPE 'A' | | GLASS TYPE 'B' | | GLASS TYPE 'C' | | GLASS TYPE 'D' | |
| | | EXT. (+) | INT. (-) |
| 6/0 (NO STEEL) | 6/8 | 76.7 | 95.0 | 65.0 | 65.0 | 76.7 | 85.0 | 75.0 | 75.0 |
| 8/0 (WITH STEEL) | 6/8 | 76.7 | 85.0 | 70.0 | 70.0 | 76.7 | 78.8 | 68.8 | 68.8 |
| 8/0 (WITH STEEL) | 8/0 | 65.0 | 65.0 | 65.0 | 65.0 | X | X | X | X |

SGD-9200 ALUMINUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR THESE DOORS TO BE AS PER CHARTS SHOWN ABOVE.

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

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

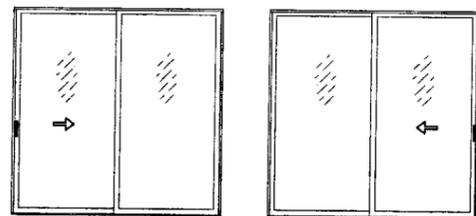
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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

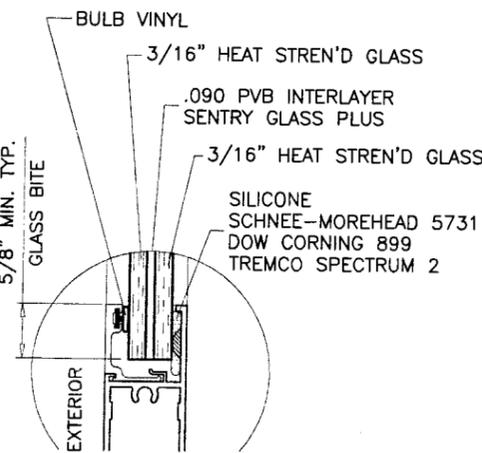
A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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

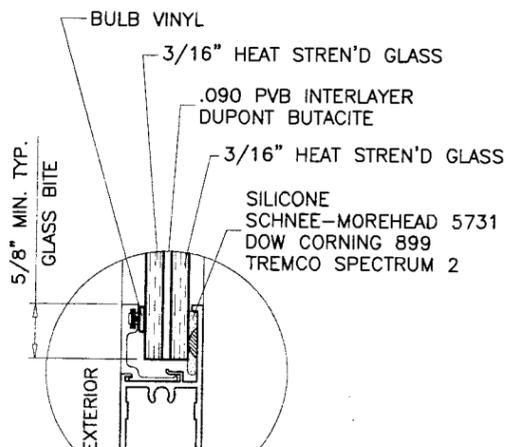
MAX. D.L.O.:
 6/0 X 6/8 = 32-3/4" X 74-3/4"
 8/0 X 6/8 = 44-3/4" X 74-3/4"
 8/0 X 8/0 = 44-3/4" X 90-3/4"



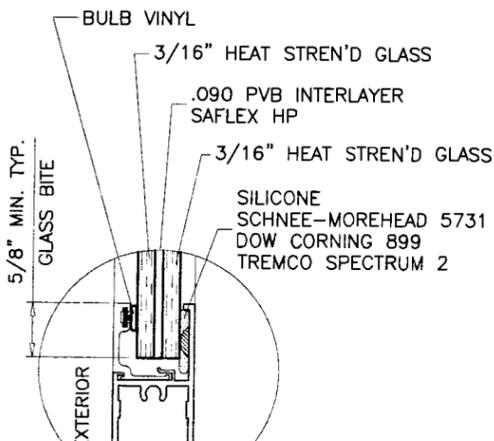
APPROVED CONFIGURATIONS



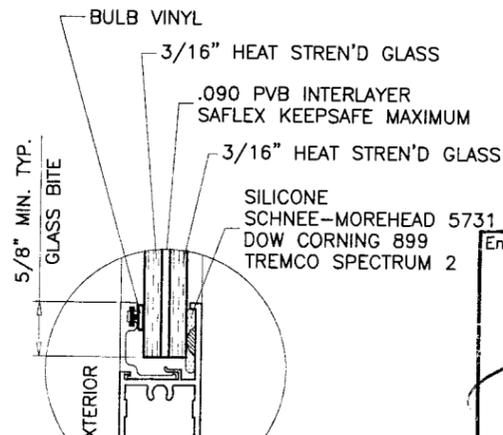
GLASS TYPE 'A'



GLASS TYPE 'B'

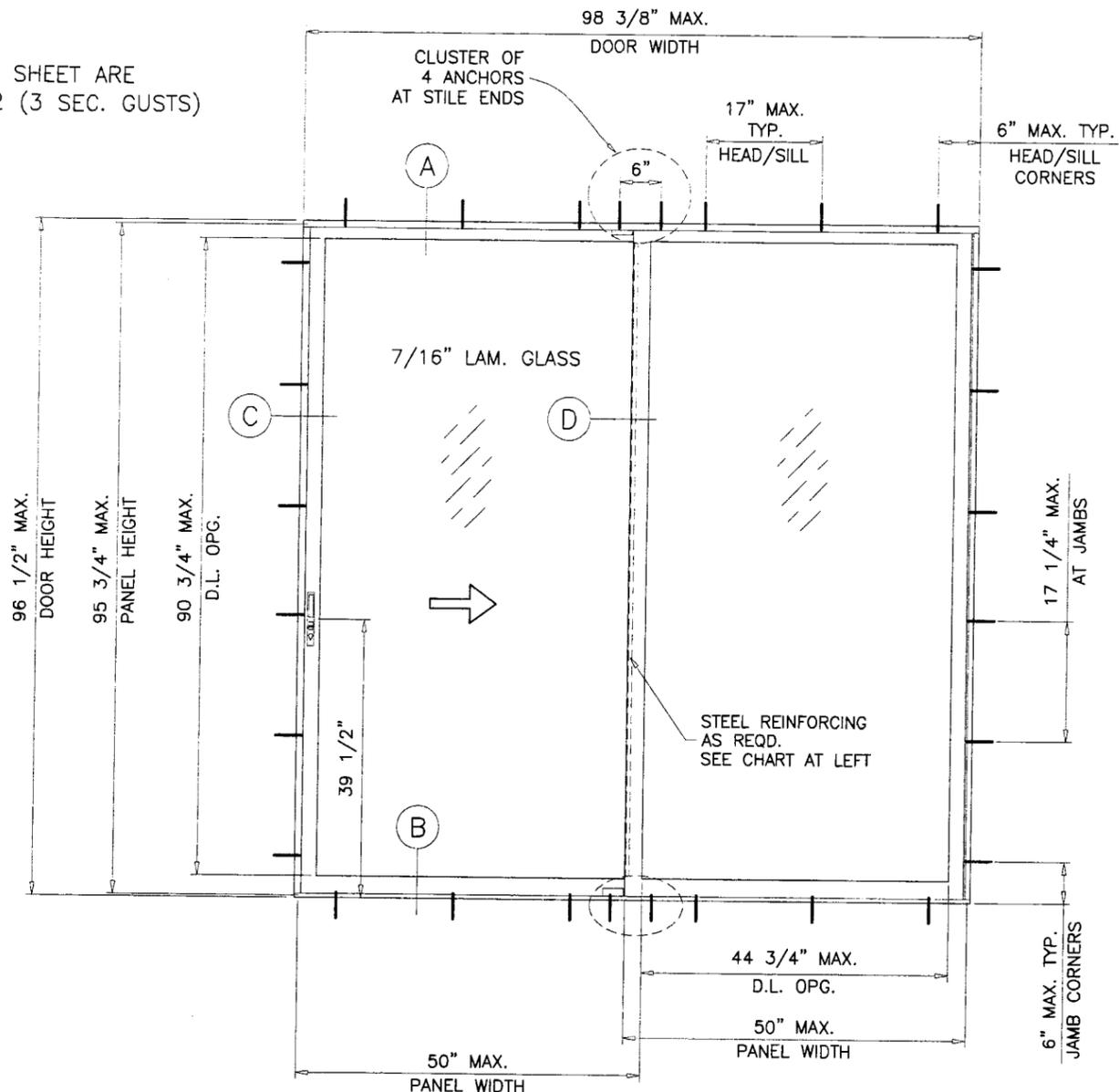


GLASS TYPE 'C'



GLASS TYPE 'D'

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02 (3 SEC. GUSTS)



PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 07-0516-01
 Expiration Date: JUNE 13, 2012

By Ishag I. Chande DIVISION
 Miami Based Product Control

DOORS GLAZED WITH LAMINATED GLASS RATED FOR LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

LAMINATED GLASS
 LARGE MISSILE IMPACT

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 MAY 10 2007

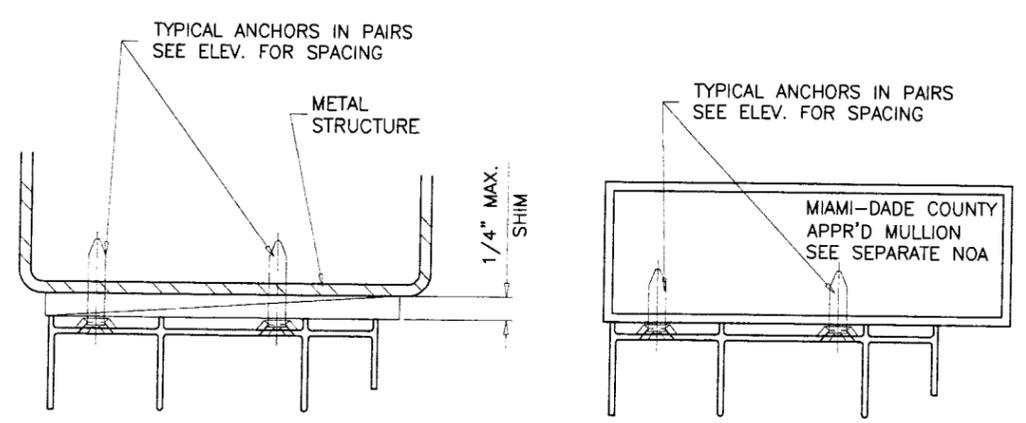
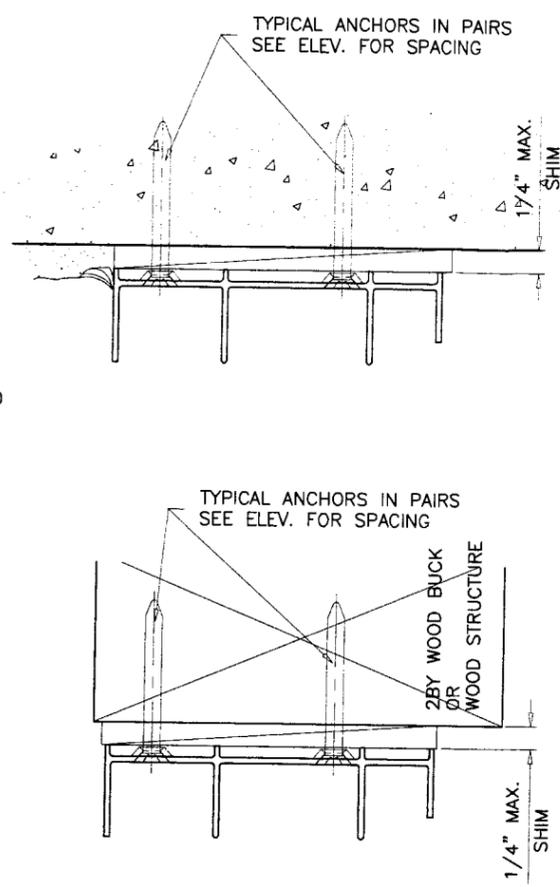
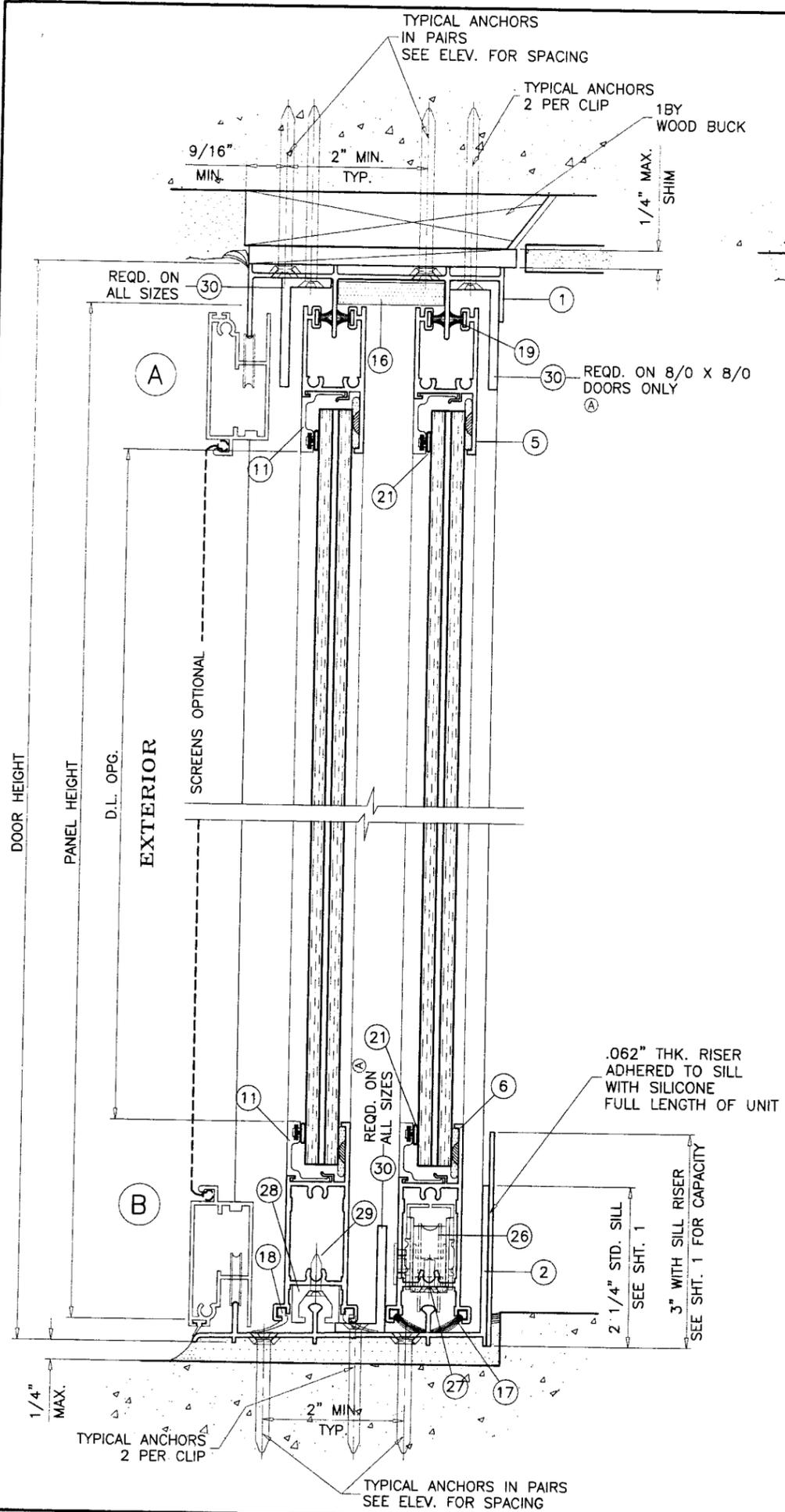
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX (305) 262-6978
 COMP-ANL\W02-23LI

SGD-9200 ALUM. SLIDING GLASS DOOR (L.M.I.)
LAWSON INDUSTRIES INC.
 8501 N.W. 90 STREET
 MEDLEY, FL. 33166
 TEL. (305) 696-8660 FAX (305) 696-6006

| no. | date | description |
|-----|----------|---------------------------|
| A | 09.19.02 | GLASS TYPES B, C & D ADD. |
| B | 03.16.06 | UPDATED FOR 2004 FBC |
| C | 10.17.06 | REV. PER BCCO COMMENTS |

date: 03-18-02
 scale: 1/2"=1'-0"
 dr. by: HAMID
 chk. by:

drawing no.
W02-23
 sheet 1 of 4



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- 1/4" DIA TAPCONS**
- INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-3/8" MIN. PENETRATION INTO WOOD
- THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.
1-1/4" MIN. EMBED INTO MASONRY OR CONC.
- DIRECTLY INTO CONCRETE OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE OR MASONRY

- #14 SMS OR SELF DRILLING SCREWS**
- 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**
- INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
- (NO SHIM SPACE)

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

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 07-0516-01
Expiration Date JUNE 13, 2012
By Eng. Humayoun Farooq
Miami-Dade Product Control
Division

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

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

MAY 1 0 2007

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W02-23LI

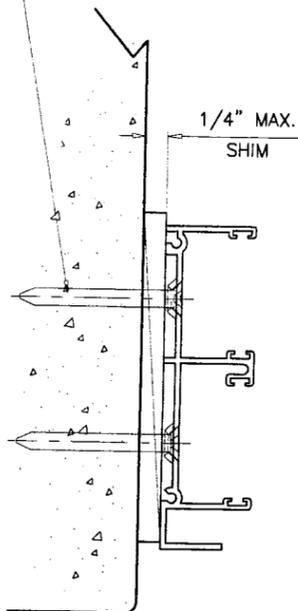
SG0-9200 ALUM. SLIDING GLASS DOOR (L.M.I.)
LAWSON INDUSTRIES INC.
8501 N.W. 90 STREET
MEDLEY, FL. 33166
TEL. (305) 696-8660 FAX (305) 696-6006

| no | date | description |
|----|----------|-------------------------------|
| A | 09.19.02 | #30 NOTE ADD. GLASS DTL. MOV. |
| B | 03.16.06 | UPDATED FOR 2004 FBC |
| C | 10.17.06 | REV. PER BCCO COMMENTS |

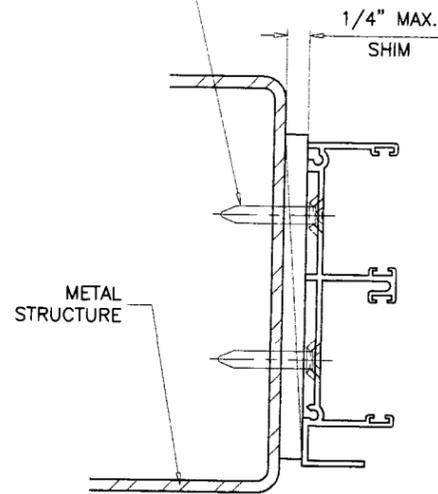
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dr. by: HAMID
chk. by:

drawing no.
W02-23
sheet 2 of 4

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING

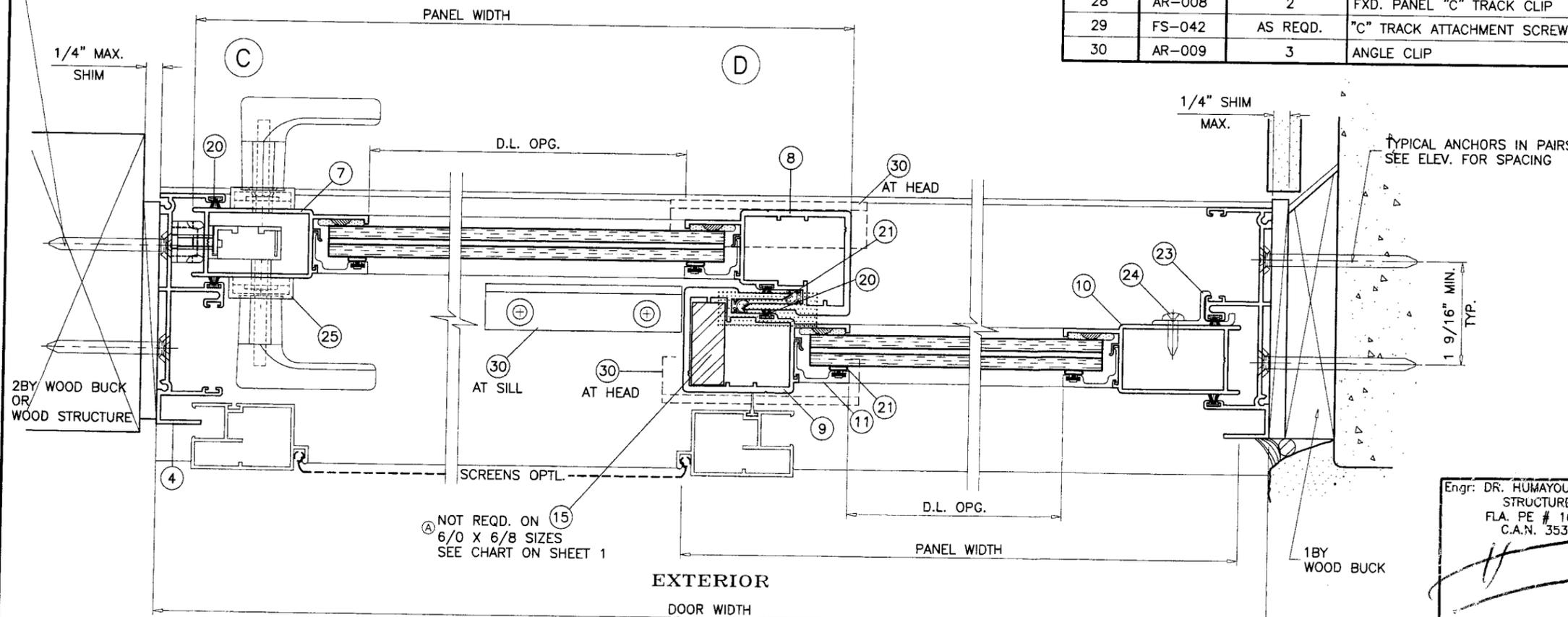


TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING



| ITEM # | PART # | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|--------|---------|---------------|----------------------------|----------|---------------------------|
| 1 | L-9001 | 1 | FRAME HEAD | 6063-T6 | ALUMAX/WELLS |
| 2 | L-9206 | 1 | FRAME SILL - 1 3/4" HI | 6063-T6 | ALUMAX/WELLS |
| 3 | - | - | - | - | - |
| 4 | L-9212 | 2 | FLANGE FRAME JAMB | 6063-T5 | - |
| 5 | L-9204 | 1 | PANEL TOP RAIL | 6063-T5 | - |
| 6 | L-9205 | 1 | PANEL BOTTOM RAIL | 6063-T5 | - |
| 7 | L-9201 | 1 | PANEL LOCK STILE | 6063-T6 | - |
| 8 | L-9202 | 1 | PANEL INTERIOR INTERLOCK | 6063-T6 | - |
| 9 | L-9203 | 1 | PANEL EXTERIOR INTERLOCK | 6063-T6 | - |
| 10 | L-9201 | 1 | PANEL FIXED STILE | 6063-T6 | - |
| 11 | L-9209 | AS REQ'D. | ALUMINUM GLAZING BEAD | 6063-T5 | - |
| 12 | FS-005 | AS REQ'D. | FRAME ASSEMBLY SCREWS | - | #6 X 1/2" P.H. PHILLIPS |
| 13 | FS-013 | AS REQ'D. | PANEL ASSEMBLY SCREWS | - | #10 X 1" P.H. PHILLIPS |
| 14 | - | - | - | - | - |
| 15 | AR-020 | 1 | HOT ROLLED STEEL BAR | - | 1/2" X 1 1/4" |
| 16 | L-9016 | 1 | SELF ADHESIVE PILE PAD | - | 13/16" X 1 1/2" |
| 17 | PWS-016 | AS REQ'D. | MVG. BOTTOM RAIL WTS'P | - | ULTRAFAB #QB6757DK |
| 18 | VWS-016 | AS REQ'D. | FXD. BOTTOM RAIL WTS'P | - | VINYL FLAP #WV-2087 |
| 19 | PWS-009 | AS REQ'D. | PANEL TOP RAIL WTS'P | - | .187"x.310" (7830-6001-1) |
| 20 | PWS-003 | AS REQ'D. | FIN SEAL WEATHERSTRIP | - | .187"x.210" (7820-6001-9) |
| 21 | VWS-004 | AS REQ'D. | BULB WTS'P. | VINYL | 1/4" O.D. |
| 22 | HC-043 | 2X PANEL | PANEL TOP GUIDE | NYLON | - |
| 23 | L-9018 | 4/ FIX. PANEL | FIXED PANEL JAMB CLIP | 6063-T5 | - |
| 24 | FS-011 | 1 X CLIP | FIXED PANEL CLIP SCREW | - | #10 X 5/8" P.H./PHIL. |
| 25 | HC-047 | 1 | MORTISE LOCK HARDWARE | - | W/ HANDLES & KEEPER |
| 26 | HC-046 | 2 | MVG. PANEL TANDEM ROLLER | - | 2 X EA. MVG. BOT. RAIL |
| 27 | FS-003 | 2 | ROLLER ATTACHMENT SCREW | - | #8 X 1/2" F.H./PHIL. |
| 28 | AR-008 | 2 | FXD. PANEL "C" TRACK CLIP | - | 2 X EA. FXD. BOT. RAIL |
| 29 | FS-042 | AS REQD. | "C" TRACK ATTACHMENT SCREW | - | #10 X 1" F.H./PHIL. |
| 30 | AR-009 | 3 | ANGLE CLIP | ALUMINUM | .704" X 1.50" X 125" X 3" |

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING



PRODUCT RENEWED
as complying with the Florida
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By Isaac I. Chanda
Miami Dade Product Control
Division

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

MAY 10 2007

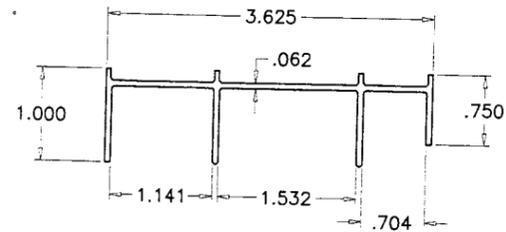
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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL W02 - 23L

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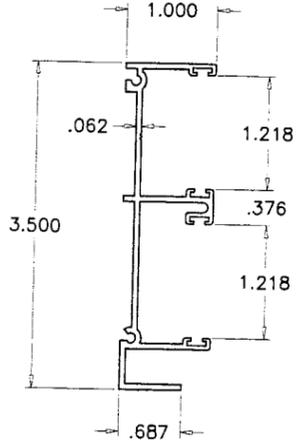
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| A | 09.19.02 | REIN. NOTE ADD. | |
| B | 03.16.06 | UPDATED FOR 2004 FBC | |
| C | 10.17.06 | REV. PER BCCO COMMENTS | |

| | |
|----------------|------------------|
| date: 03-18-02 | scale: 1/2" = 1" |
| dr. by: HAMID | chk. by: |

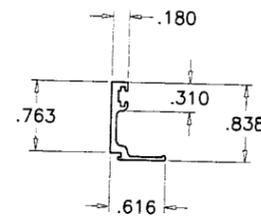
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| drawing no. | W02-23 |
| sheet 3 of 4 | |



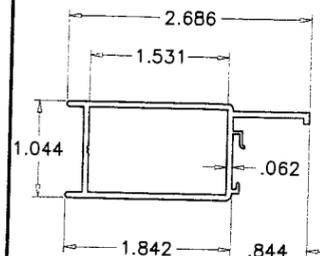
FRAME HEAD



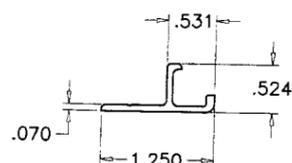
FRAME JAMB



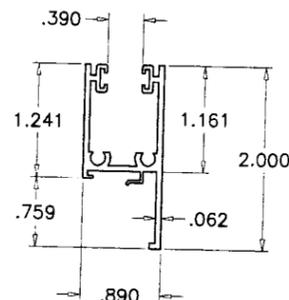
GLASS STOP



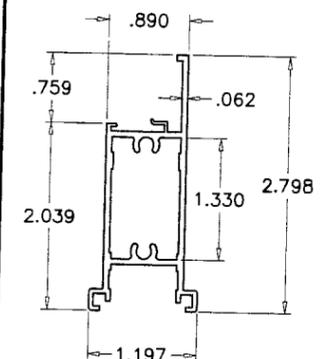
LOCK STILE



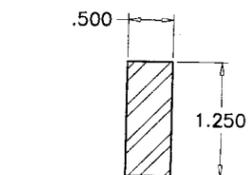
FIX. PANEL CLIP



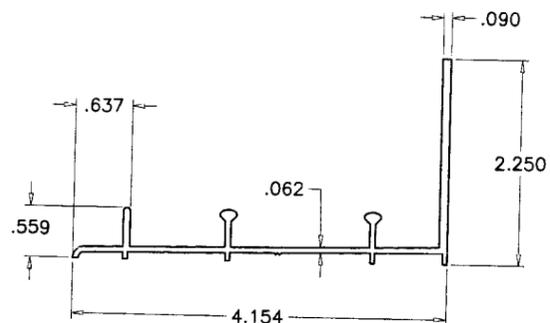
PANEL TOP RAIL



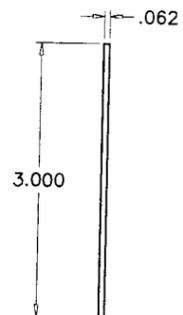
PANEL BOTTOM RAIL



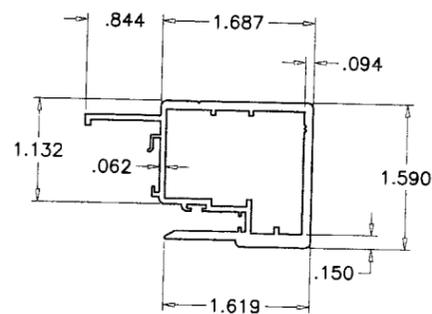
INTERLOCK REINFORCING



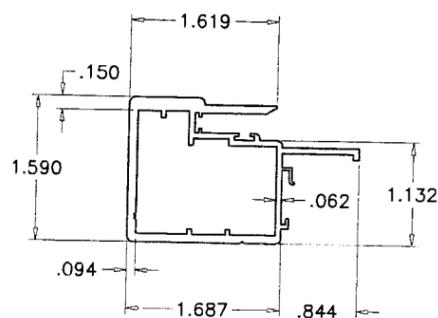
FRAME SILL



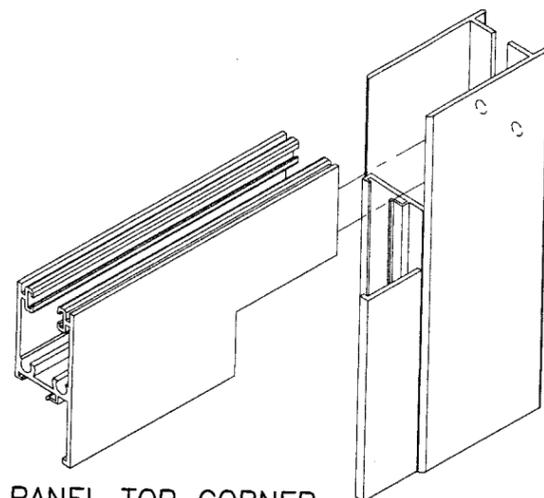
SILL RISER



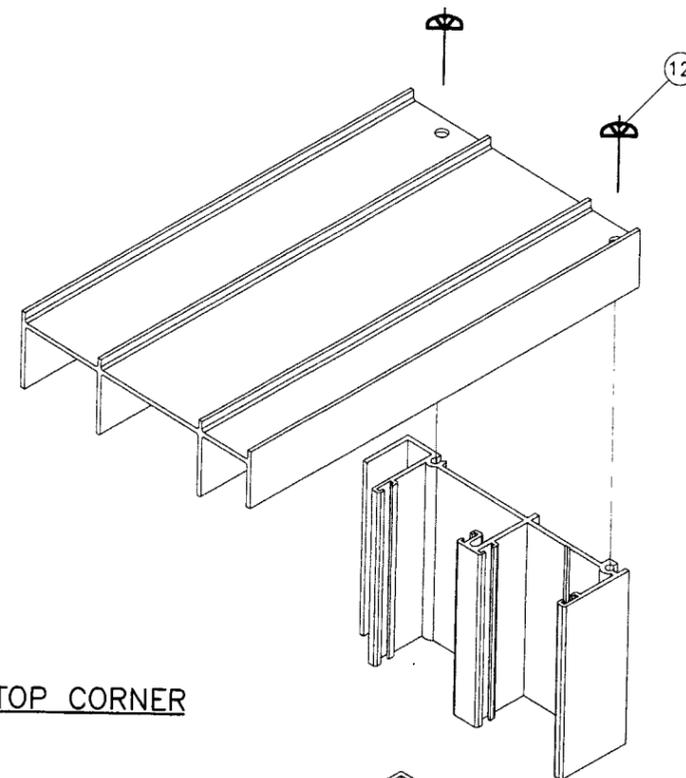
INTERIOR INTERLOCK



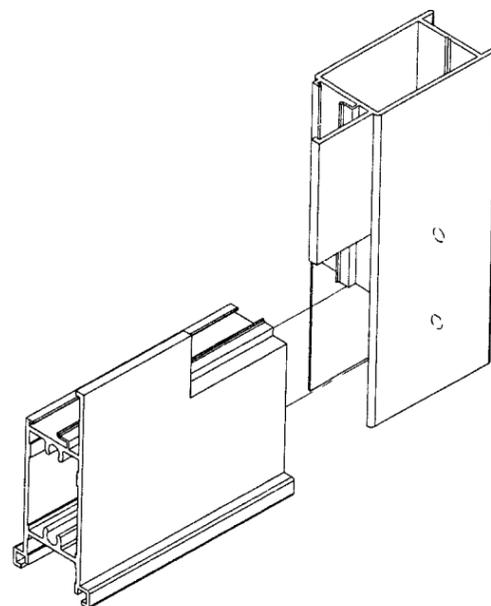
EXTERIOR INTERLOCK



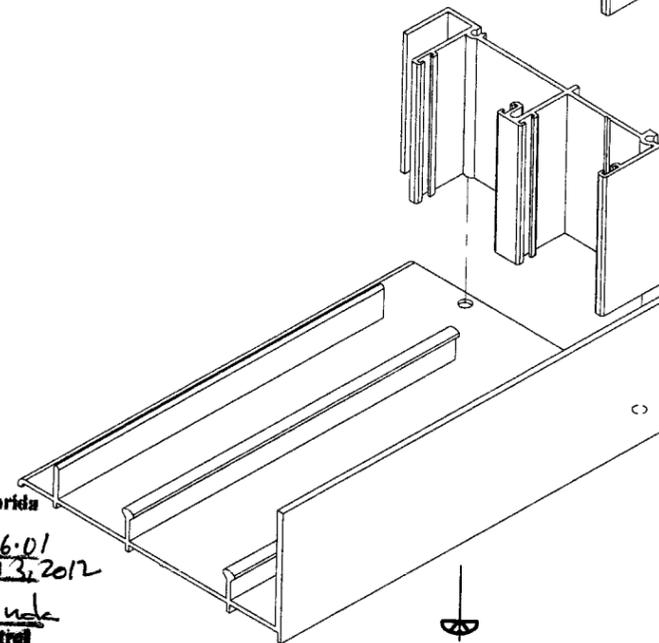
PANEL TOP CORNER



FRAME TOP CORNER



PANEL BOTTOM CORNER



FRAME BOTTOM CORNER

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 27-0576-01
 Expiration Date June 13, 2012
 By: *Shag L. Chaudhry*
 Miami Dade Product Control
 Division

Engr. DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3539
 MAY 10 2007

afc

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

SGD-9200 ALUM. SLIDING GLASS DOOR (L.M.I.)

LAWSON INDUSTRIES INC.
 8501 N.W. 90 STREET
 MEDLEY, FL. 33166
 TEL. (305) 696-8660 FAX (305) 696-6006

| no | date | description |
|----|----------|------------------------|
| A | 09.19.02 | NO CHANGE |
| B | 03.16.06 | NO CHANGE THIS SHEET |
| C | 10.17.06 | REV. PER BCCO COMMENTS |

date: 03-18-02
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W02-23

sheet 4 of 4

COMP - ANL W02 - 23LI