



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)**

**Crawford Glass Company Inc.,  
3301 S. W. 13<sup>th</sup> Drive, Suite #B  
Deerfield Beach, Fl. 33442-8101**

**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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series "Model 44: Performance II" Aluminum Sliding Glass Door**

**APPROVAL DOCUMENT:** Drawing No. **W04-62**, titled "Model 44, Performance II Alum S.G. Door (NI)", sheets 1 through 6 of 6, prepared by Al-Farooq Corporation, dated 06-24-04 and last revised on Feb 18, 2005, signed and sealed by Dr. 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: None, Approved Hurricane Protection Device, complying with FBC, as applicable is required.**

**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 & revise** NOA # **00-0822.08** consists of this page 1 and evidence sheets E-1 & E-2, as well as approval document mentioned above.

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



3/10/05

**NOA No 04-0823.01  
Expiration Date: June 20, 2009  
Approval Date: March 31, 2005**

Crawford Glass Company Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W04-62**, titled "Model 44, Performance II Alum S.G. Door (NI)", sheets 1 through 6 of 6, prepared by Al-Farooq Corporation, dated 06-24-04 and last revised on Feb 18, 2005, signed and sealed by Dr. Humayoun Farooq, P.E.

**B. TESTS:** Test conducted per SFBC, protocol 201, 202 & 203-94, now termed as FBC, TAS 201, 202 & 203-94:

1. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
  - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
  - 3) Water Resistance Test, per SFBC, PA 202-94
  - 4) Large Missile Impact Test per SFBC, PA 201-94
  - 5) Small Missile Impact Test per SFBC, PA 201-94
  - 6) Cyclic Wind Pressure Loading per SFBC, PA 203-94
  - 7) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL - 0073-0101-00 (Sp#1,4 & 5)** dated November 12-29-99 thru 02-07-00 and (Sp#2) dated 01-10-00, signed and sealed by Vinu Abraham, P.E.
2. Additional test reports on 1) Large Missile Impact Test per SFBC, PA 201-94
  - 2) Cyclic Wind Pressure Loading per SFBC, PA 203-94along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by American Testing Lab of South Florida., Test Report No(s). **ATL -00011** and **ATL -1210.01-00** dated 01-23-01 dated 06-13-00 and 01-23-01 respectively, signed and sealed by William R. Mehner, P.E.

**C. CALCULATIONS**

1. Anchor verification, comparative analysis dated 08-17-04 and last revised on January 11, 2005, prepared by Al-Farooq Corporation., signed and sealed by Dr. Humayoun Farooq, P.E.
2. Anchor verification, structural performance analysis dated 03-28-00, last revised on April 09, 2001 prepared by Robert E. Fisher & Wm M. Meyers, P.E., signed and sealed by Wm M. Meyers, P.E.(submitted for file #00-0822.08)
3. Glazing complies with ASTM E-1300-98.

**D. QUALITY ASSURANCE BY:**

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

*Ishaq I. Chanda*

Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 04-0823.01

Expiration Date: June 20, 2009

Approval Date: March 31, 2005

**Crawford Glass Company Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement of conformance and "No financial interest" dated February 09, 2005, issued by Al-Farooq Corporation, signed & sealed by Dr. Humayoun Farooq, P.E.
2. Statement letter of conformance, dated 03-28-2000, signed and sealed by Wm. M. Meyers, P. E.
3. Statement letter of no financial interest, dated 03-28-2000, signed by R. E. Fisher and Wm. M. Meyers, P. E.
4. Letter of compliance, issued by Hurricane Testing laboratory Inc., for Test Report No. **HTL -0073-0101-00 (Sp#1, 4 & 5)** dated November 12-29-99 thru 02-07-00 and (Sp#2) dated 01-10-00, signed and sealed by Vinu Abraham, P.E
5. Letter of compliance, dated 06-13-00 for Test Report No. **ATL-00011**, issued by American Testing Lab of South Florida, signed & sealed by William R. Mehner, P.E.
6. Letter of compliance, issued by American Testing Lab of South Florida. Test Report No. **ATL -1210.01-00** dated 01-23-01, signed and sealed by William R. Mehner, P.E.

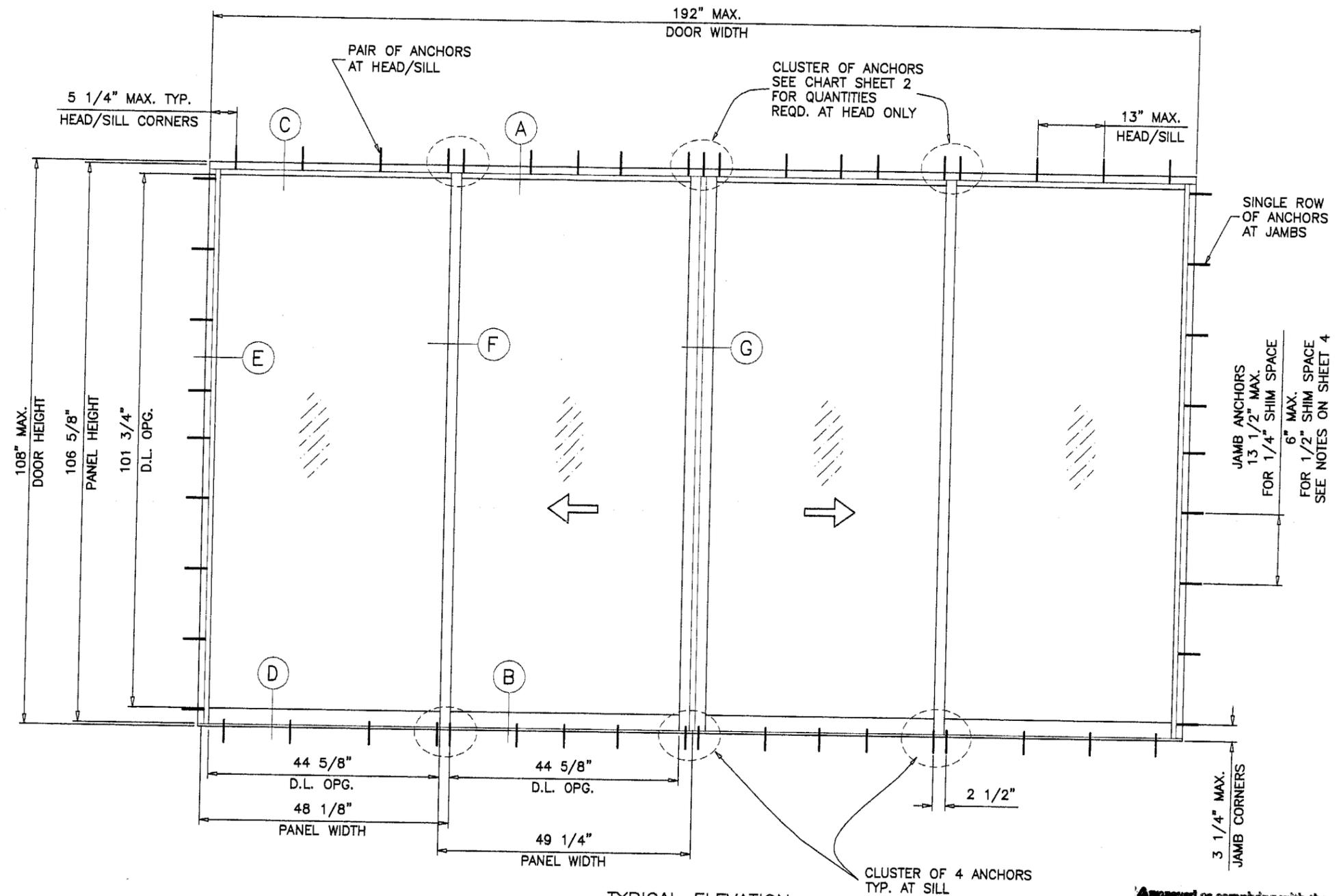
**G. OTHER:**

1. This NOA **renews and revises** NOA# **00-0822.08**, which expired on June 20, 2004.
2. Extrusion Die, redesigned sill #223-A.
3. The other associated files are 04-0823.02 and 04-0511.01.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Examiner**  
**NOA No 04-0823.01**  
**Expiration Date: June 20, 2009**  
**Approval Date: March 31, 2005**



TYPICAL ELEVATION  
TESTED UNIT

GLASS DLO HEIGHT = DOOR HEIGHT - 6.250  
GLASS DLO WIDTH = PANEL WIDTH - 3.375

Approved as complying with the  
Florida Building Code  
Date 3-31-2005  
NOA# 04-0823.0  
Miami Dade Product Control  
Division  
By Shag L. Chaudh

INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.  
INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

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

FEB 18 2005

**MODEL 44 (NON-IMPACT)  
PERFORMANCE II ALUMINUM SLIDING GLASS DOOR**

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHARTS SHOWN ON SHEET 2.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 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. ANCHOR 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 33% INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS.

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W04-62CTC

MODEL 44 PERFORMANCE II ALUM S.G. DOOR (N.I.)  
**CRAWFORD GLASS DOOR COMPANY, INC.**  
3301 S.W. 13TH DRIVE, SUITE B  
DEERFIELD BEACH, FL. 33442-8101  
TEL. (954) 480-6820 FAX. (954) 480-6814

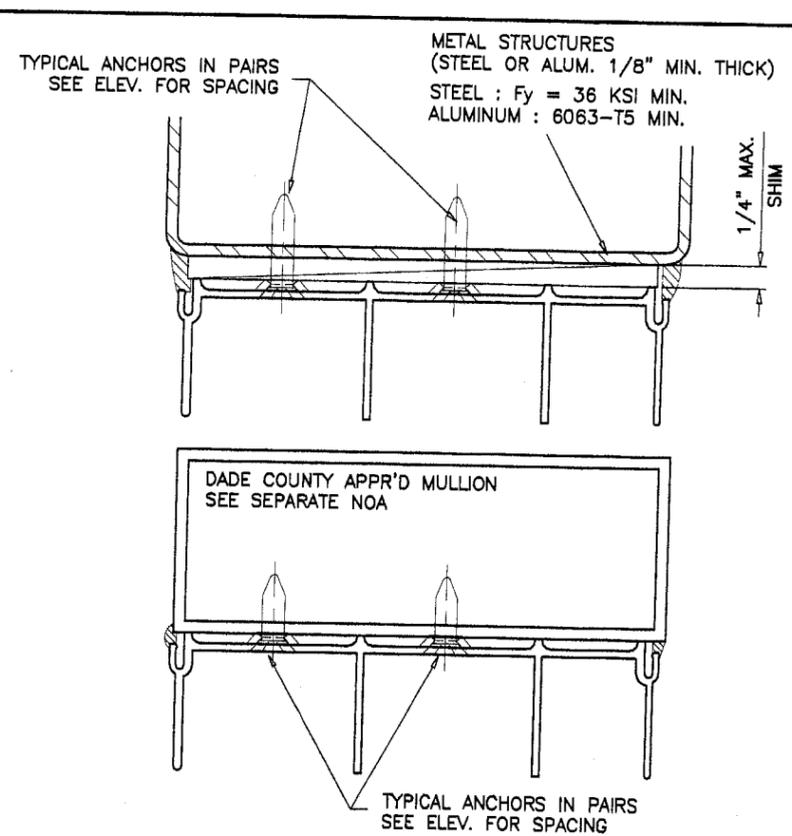
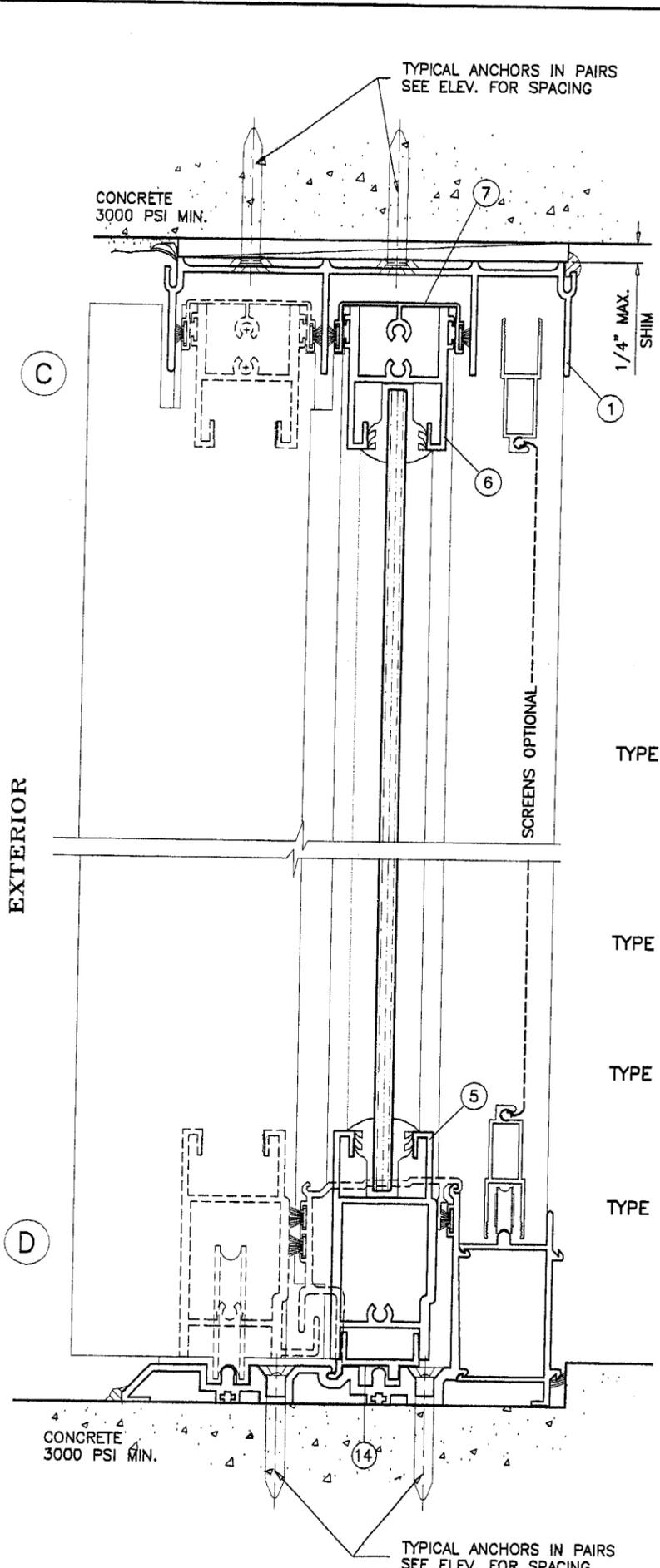
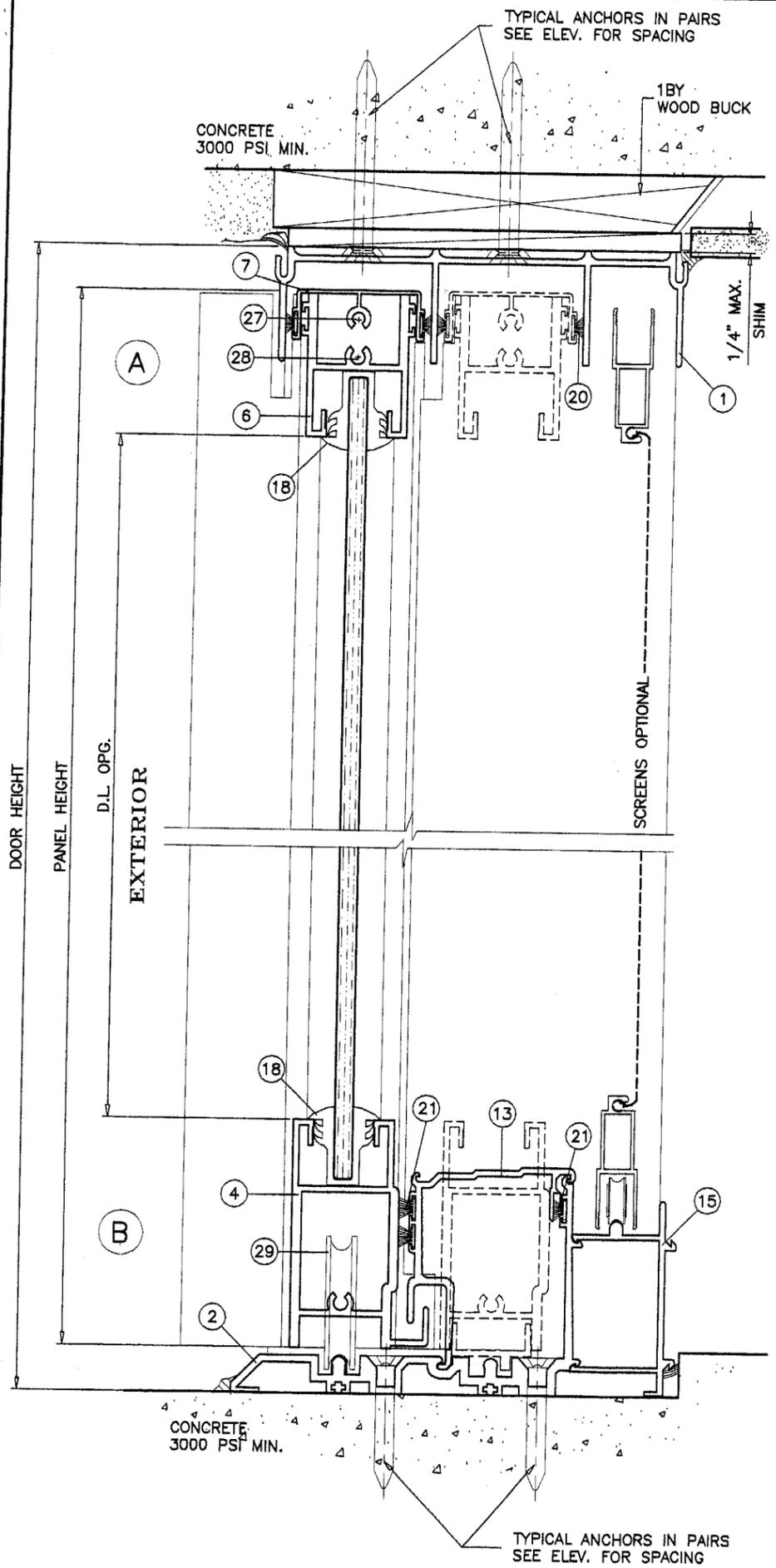
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date:	06-25-04
scale:	1/2"=1'-0"
dr. by:	HAMID
chk. by:	

drawing no.  
**W04-62**

sheet 1 of 6





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

TYPE 'A' - 1/4" DIA. ST/ST TAPPERS BY 'RAWL'  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-1/2" MIN. PENETRATION INTO WOOD  
 THRU 1BY WOOD BUCKS INTO  
 3000 PSI MIN. CONC. AT HEAD/SILL  
 C-90 GROUT FILLED BLOCK AT JAMBS  
 1-1/2" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'B' - 1/4" DIA. ST/ST TAPPERS BY 'RAWL'  
 DIRECTLY INTO  
 3000 PSI MIN. CONC. AT HEAD/SILL  
 C-90 GROUT FILLED BLOCK AT JAMBS  
 1-1/2" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'C' - 1/4" TEKS BY ITW OR SELF DRILLING SCREWS (GRADE 5 CRS)  
 INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)  
 STEEL : Fy = 36 KSI MIN.  
 ALUMINUM : 6063-T5 MIN.  
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPE 'D' - #14 SMS (MIN. Fu=74000 PSI MIN. Fy=57000 PSI)  
 INTO DADE COUNTY APPROVED MULLIONS  
 (MIN. 1/8" THK. ALUMINUM 6063-T5)  
 (NO SHIM SPACE)

**TYPICAL EDGE DISTANCE**  
 INTO CONCRETE AND MASONRY = 3" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.

Engr. DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE. # 18557  
 C.A.N. 3538

**FEB 18 2005**

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 NOA# 04-0823.0  
 Miami Dade Product Control  
 Division  
 By: *Ishag I. Chiquet*

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

MODEL 44 PERFORMANCE II ALUM S.G. DOOR (N.I.)  
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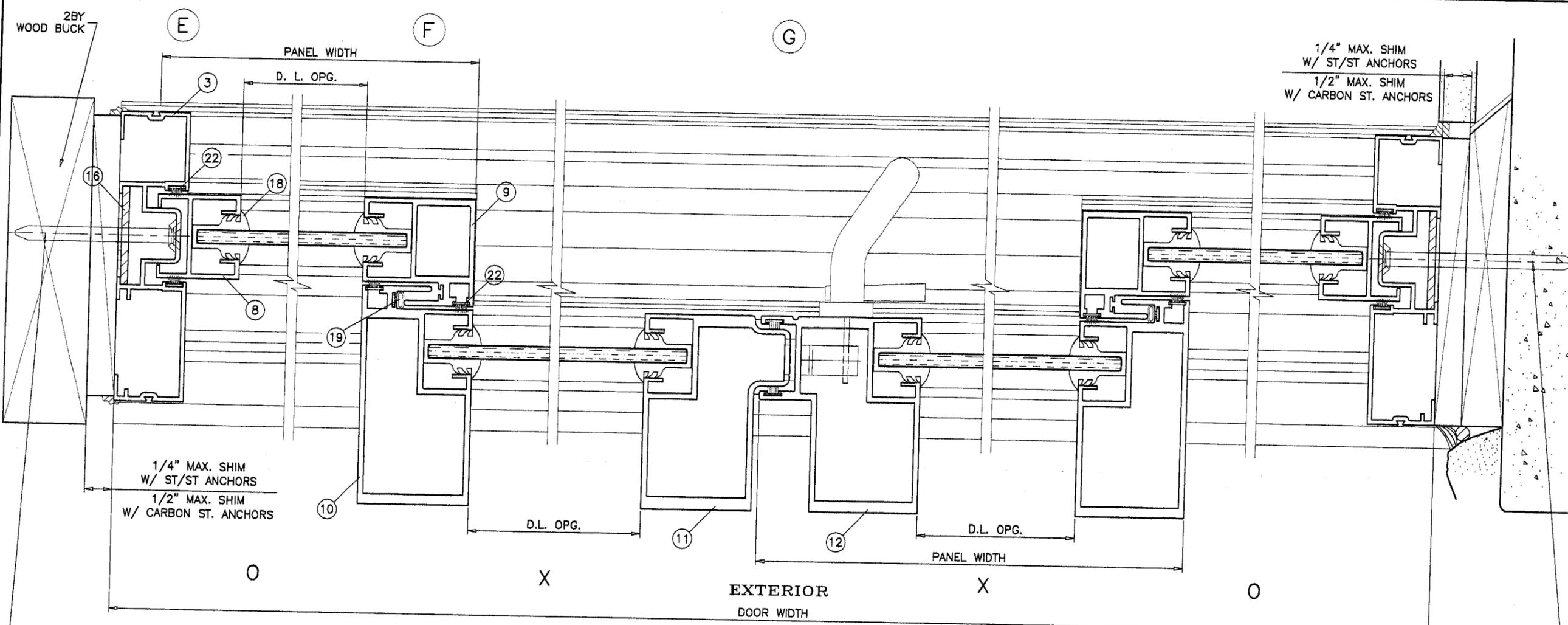
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revisions:

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 dr. by: HAMID  
 chk. by:

drawing no. **W04-62**  
 sheet 3 of 6

COMP-ANL\W04-62CTC

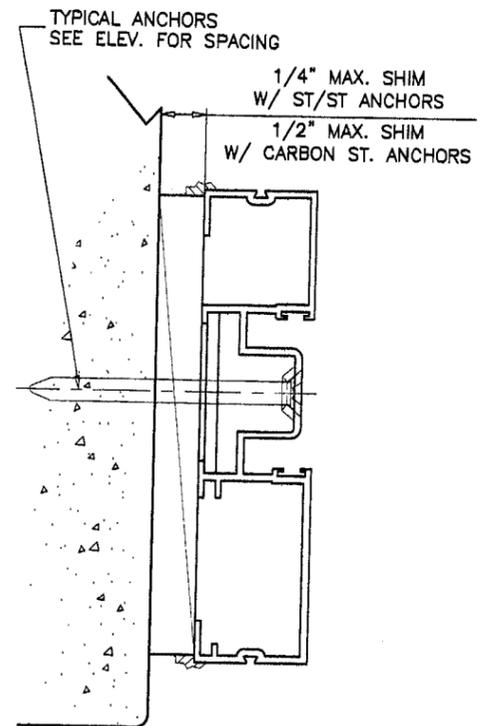


1/4" MAX. SHIM  
W/ ST/ST ANCHORS  
1/2" MAX. SHIM  
W/ CARBON ST. ANCHORS

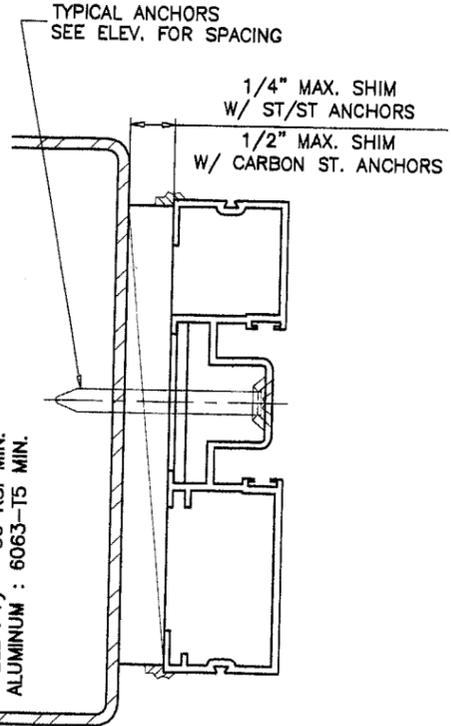
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W/ ST/ST ANCHORS  
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W/ CARBON ST. ANCHORS

TYPICAL ANCHORS  
SEE ELEV. FOR SPACING

TYPICAL ANCHORS  
SEE ELEV. FOR SPACING



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



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By Ismael Chandi

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

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538  
  
FEB 18 2005

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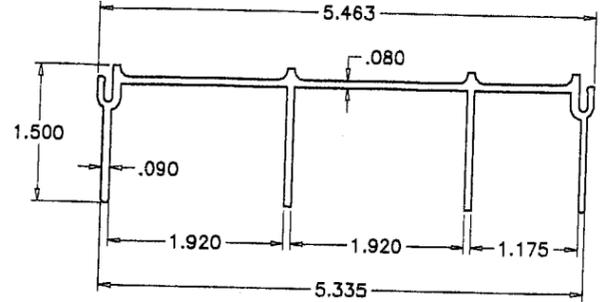
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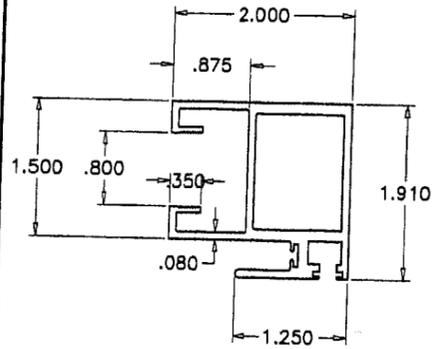
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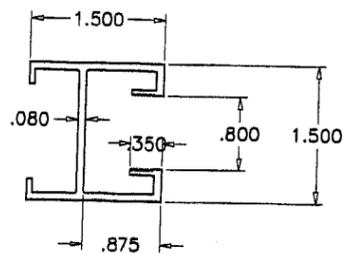
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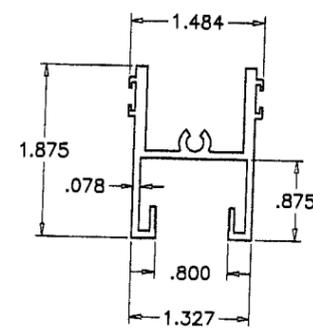
1 FRAME HEAD



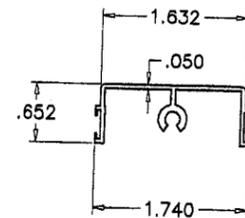
9 INTERIOR INTERLOCK



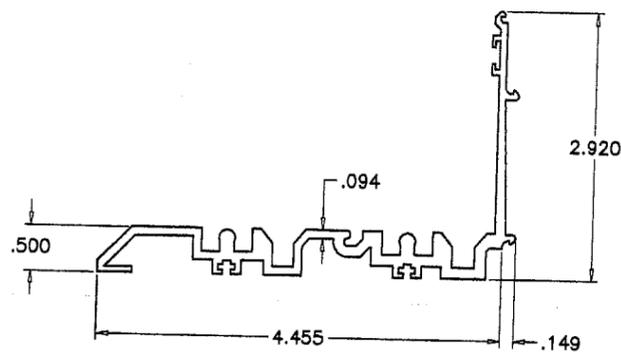
8 JAMB FIX. STILE



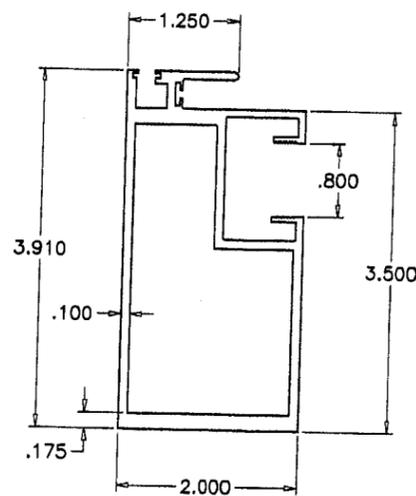
6 TOP RAIL



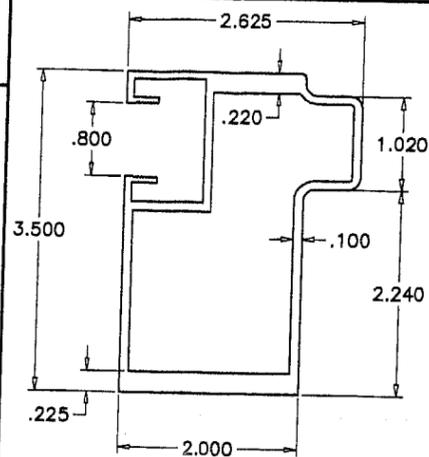
7 TOP RAIL CAP



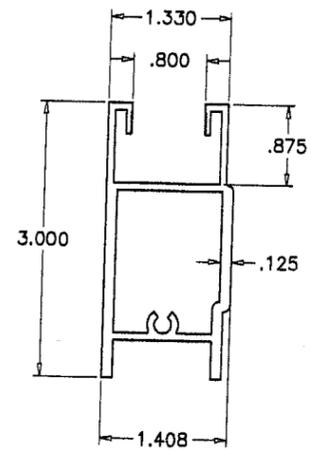
2 FRAME SILL



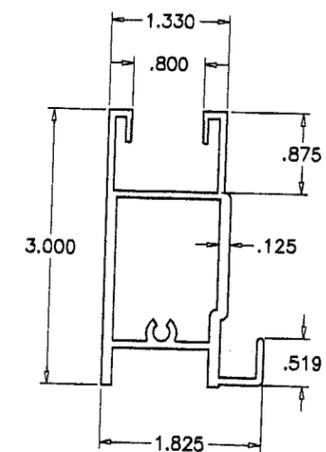
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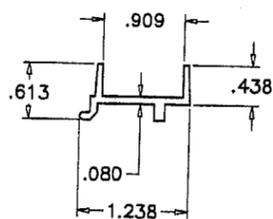
11 MALE ASTRAGAL STILE



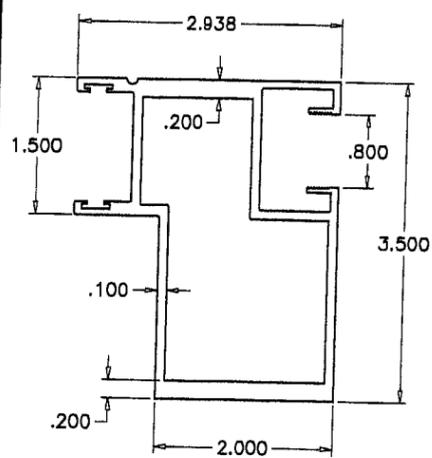
5 FIX. BOTTOM RAIL



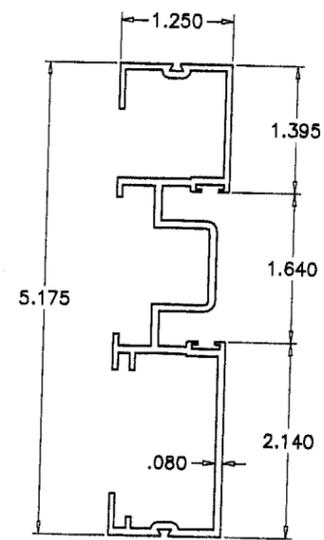
4 MOVING BOTTOM RAIL



14 FIX. PANEL SEAT

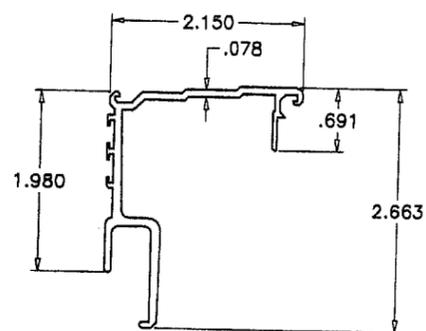


12 FEMALE ASTRAGAL STILE

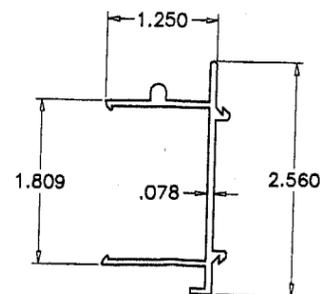


3 FRAME JAMB

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Division  
By: Ismail L. Lhanda



13 THRESHOLD COVER



30 INSIDE SCREEN TRACK

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

FEB 18 2005

**afc**

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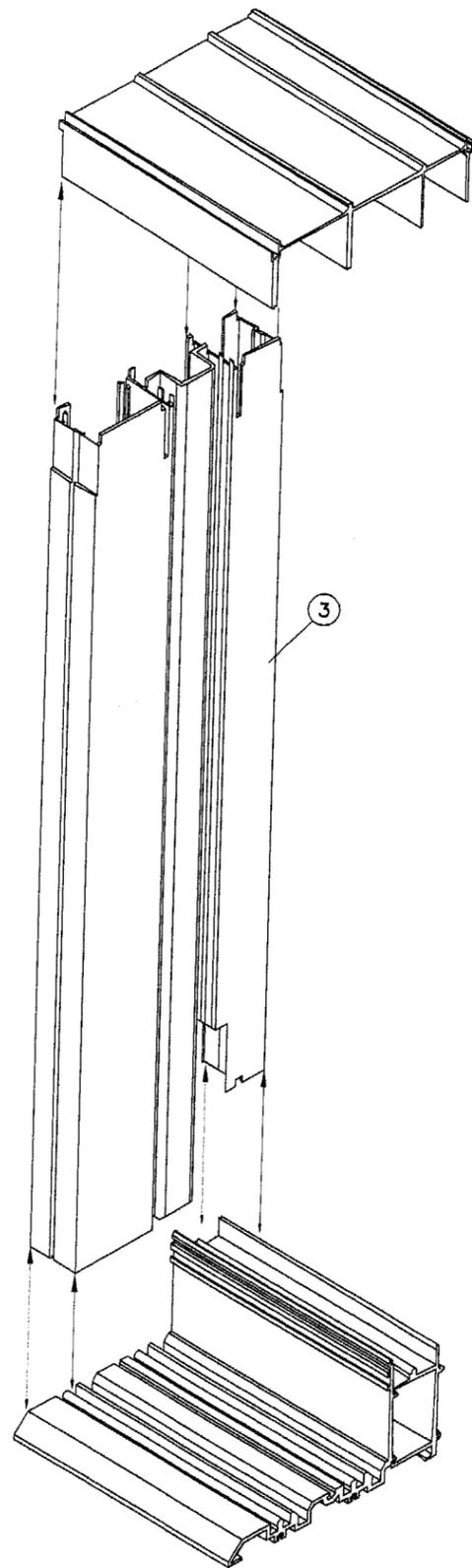
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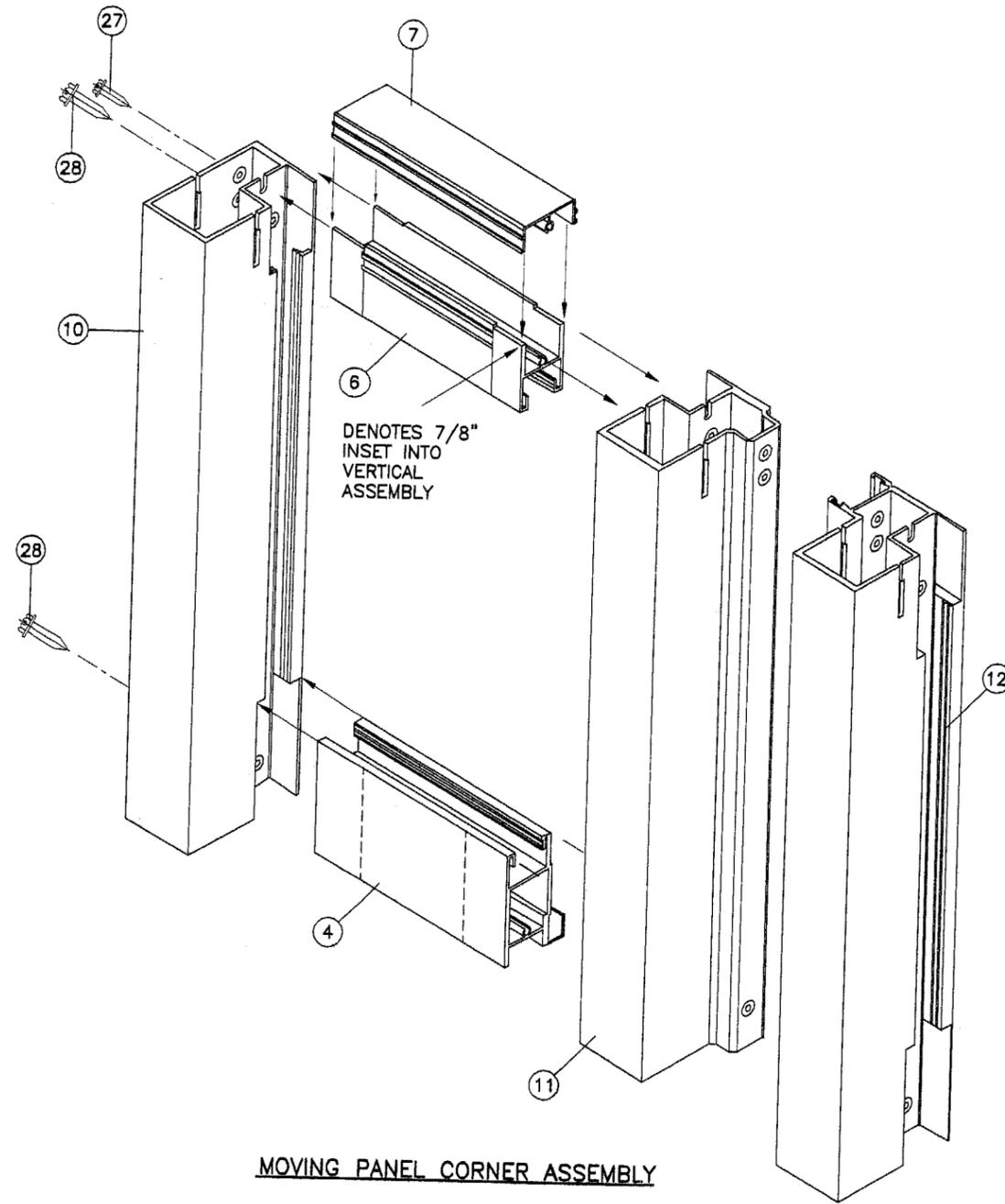
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**W04-62**

sheet 5 of 6

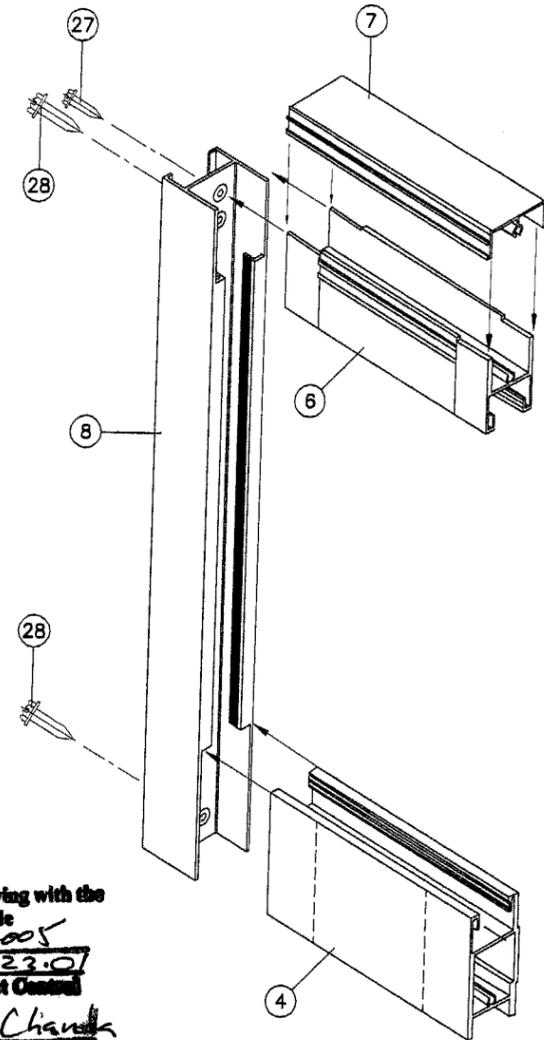


FRAME CORNER ASSEMBLY



MOVING PANEL CORNER ASSEMBLY

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NOAS 04-0823.01  
Miami Dade Product Control  
Division  
By: Sheq. I. Chank



FIXED PANEL CORNER ASSEMBLY

**SEALANT:**

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH  
TREMCO #116 VULKEM URETHANE ONE PART SEALANT.

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

FEB 18 2005

afsc

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sheet 6 of 6