



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

Universal Impact Windows & Doors Inc.,
1675 West 31 Place
Hialeah, Fl. 33012

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 "Monica-Coastal" Aluminum Sliding Glass Door-Non-Impact

APPROVAL DOCUMENT: Drawing No. **W05-50**, titled "Series "Monica-Coastal" Alum Sliding Gl Door (NI)", sheets 1 through 4 of 4, dated March 01, 2006, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None: Approved Hurricane Protection device complying w/ FBC (HVHZ) 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 =- f 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 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.**

NOA No 06-0111.07
Expiration Date: March 23, 2011
Approval Date: March 23, 2006
Page 1



3/2/06

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W05-50**, titled "Series "Monica-Coastal" Alum Sliding GI Door (NI)", sheets 1 through 4 of 4, dated March 01, 2006, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P.E.

B. TESTS

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) 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., Reports No FTL 4589 (05005), dated May 09, 2005, signed and sealed by Edmundo Largaespada, P.E.

C. CALCULATIONS

1. Comparative analysis & anchor verification calculations, prepared by Al-Farooq Corporation dated 12-08-05 and revised on March 01, 2006, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Glazing complies w/ ASTM E-1300-98.

D. QUALITY ASSURANCE BY:

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

E. MATERIAL CERTIFICATIONS

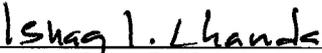
1. None

F. STATEMENTS

1. Statement letters of conformance and "No financial interest", both dated Oct. 21, 2005, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Statement of compliance, issued as part of the above referenced test report.

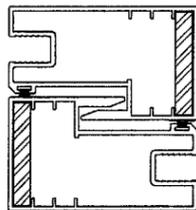
G. OTHER

1. None

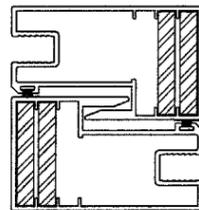


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 06-0111.07
Expiration Date: March 23, 2011
Approval Date: March 23, 2006

| DESIGN LOAD CAPACITY - PSF XO OR OX ONLY | | | | | | | |
|---|-----------------------|----------------------|----------|-------------------|----------|----------------------|----------|
| DOOR WIDTH NOMINAL INCHES | DOOR HEIGHT INCHES | CLUSTER OF 4 ANCHORS | | | | CLUSTER OF 6 ANCHORS | |
| | | LIGHT REINFORCING | | HEAVY REINFORCING | | HEAVY REINFORCING | |
| | | EXT. (+) | INT. (-) | EXT. (+) | INT. (-) | EXT. (+) | INT. (-) |
| 60 | 80 | 75.3 | 115.1 | 75.3 | 143.6 | 75.3 | 150.0 |
| 72 | | 75.3 | 100.5 | 75.3 | 125.4 | 75.3 | 147.2 |
| 75 | | 75.3 | 97.7 | 75.3 | 121.9 | 75.3 | 141.2 |
| 78 | | 75.3 | 95.1 | 75.3 | 118.6 | 75.3 | 136.4 |
| 84 | | 75.3 | 90.5 | 75.3 | 113.0 | 75.3 | 130.4 |
| 90 | | 75.3 | 86.7 | 75.3 | 108.2 | 75.3 | 126.8 |
| 96 | | 75.3 | 83.5 | 75.3 | 104.1 | 75.3 | 124.8 |
| 104 | | 75.3 | 79.9 | 75.3 | 99.7 | 75.3 | 122.0 |
| 60 | 96 | 75.3 | 92.3 | 75.3 | 115.2 | 75.3 | 150.0 |
| 72 | | 75.3 | 79.9 | 75.3 | 99.7 | 75.3 | 127.2 |
| 75 | | 75.3 | 77.4 | 75.3 | 96.6 | 75.3 | 119.2 |
| 78 | | 75.2 | 75.2 | 75.3 | 93.8 | 75.3 | 112.8 |
| 84 | | 71.3 | 71.2 | 75.3 | 88.9 | 75.3 | 104.0 |
| 60 | 104 | 75.3 | 84.0 | 75.3 | 104.8 | 75.3 | 148.7 |
| 72 | | 72.5 | 72.5 | 75.3 | 90.4 | 75.3 | 122.4 |
| 75 | | 70.2 | 70.2 | 75.3 | 87.6 | 75.3 | 113.6 |
| 78 | | 68.1 | 68.1 | 75.3 | 84.9 | 75.3 | 106.4 |
| 60 | 108 | 75.3 | 80.4 | 75.3 | 100.3 | 75.3 | 142.3 |
| 72 | | 69.2 | 69.2 | 75.3 | 86.4 | 75.3 | 120.8 |
| 75 | | 67.0 | 67.0 | 75.3 | 83.6 | 75.3 | 111.6 |
| 78 | | 65.0 | 65.0 | 75.0 | 81.1 | 75.0 | 104.4 |



LIGHT REINF.
INTERLOCK



HEAVY REINF.
INTERLOCK

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-98 (60 SEC. WIND)

SERIES 'MONICA COASTAL' ALUM SLIDING GLASS DOOR

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

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

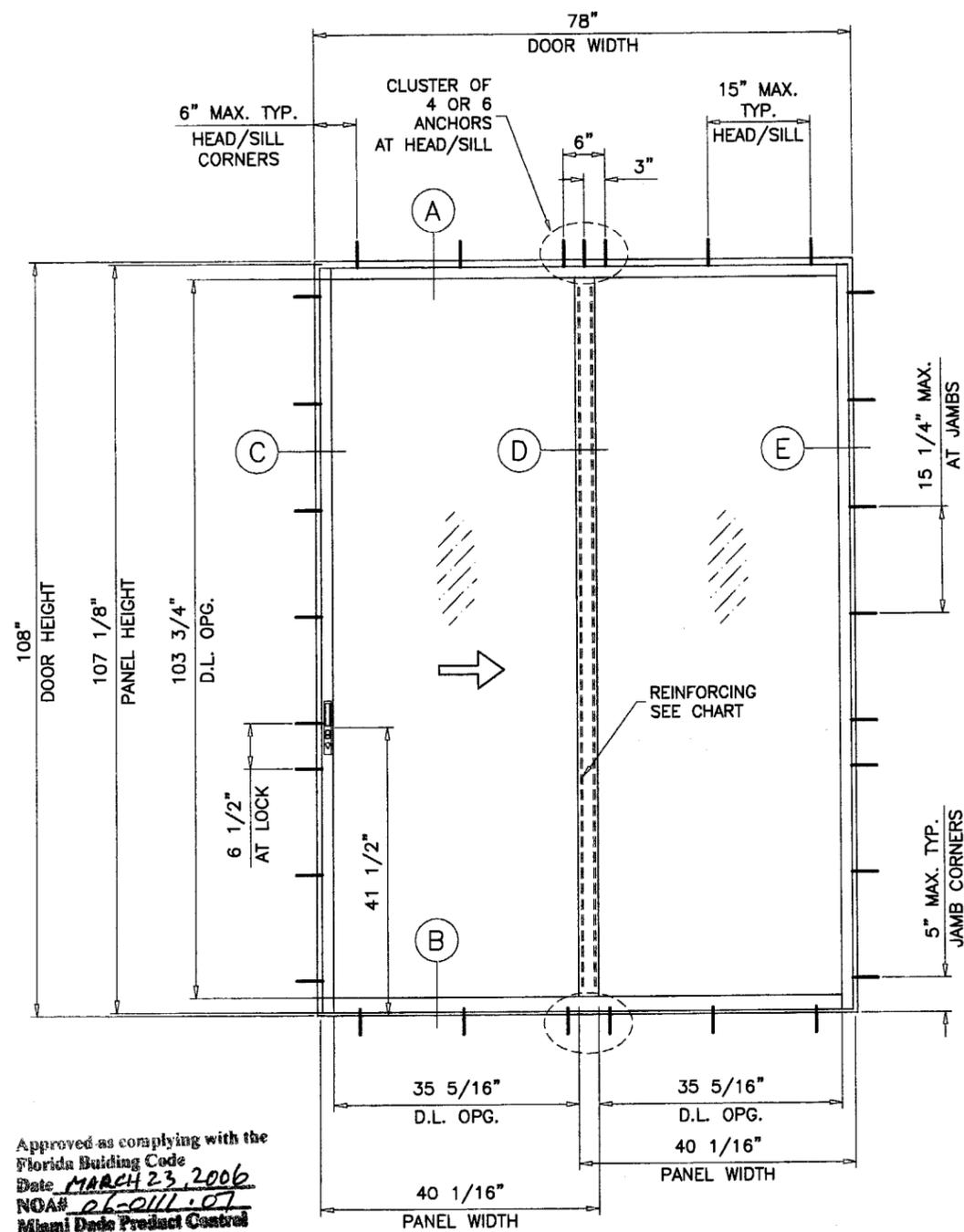
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

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.

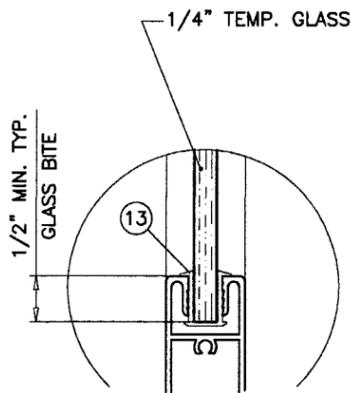
A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF
WOOD ANCHORS ONLY.

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



TYPICAL ELEVATION
TESTED UNIT (XO)

Approved as complying with the
Florida Building Code
Date MARCH 23, 2006
NOA# 06-0111-07
Miami Dade Product Control
Division
By [Signature]



GLAZING DETAIL

INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE
USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES
COMPLYING WITH HVHZ REQUIREMENTS.

**MONOLITHIC GLASS
NON- IMPACT**

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

[Signature]

MAR 01 2006

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

SERIES 'MONICA COASTAL' ALUM SLIDING GL. DOOR (N.I.)
UNIVERSAL IMPACT WINDOWS AND DOORS
1675 W. 31ST PLACE
HIALEAH, FL. 33012
TEL. (305) 825-7900 FAX (305) 825-5805

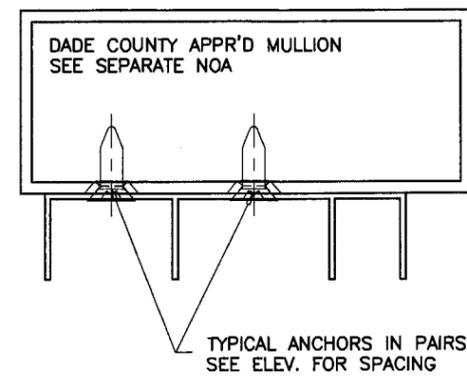
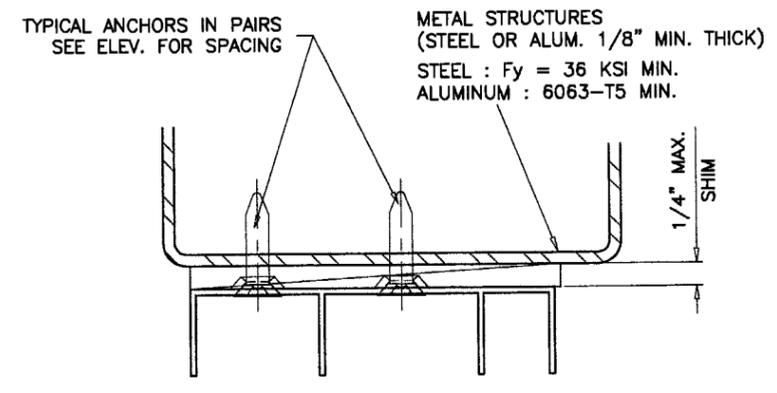
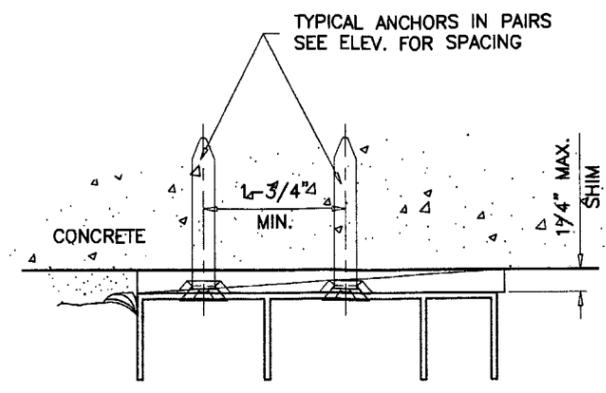
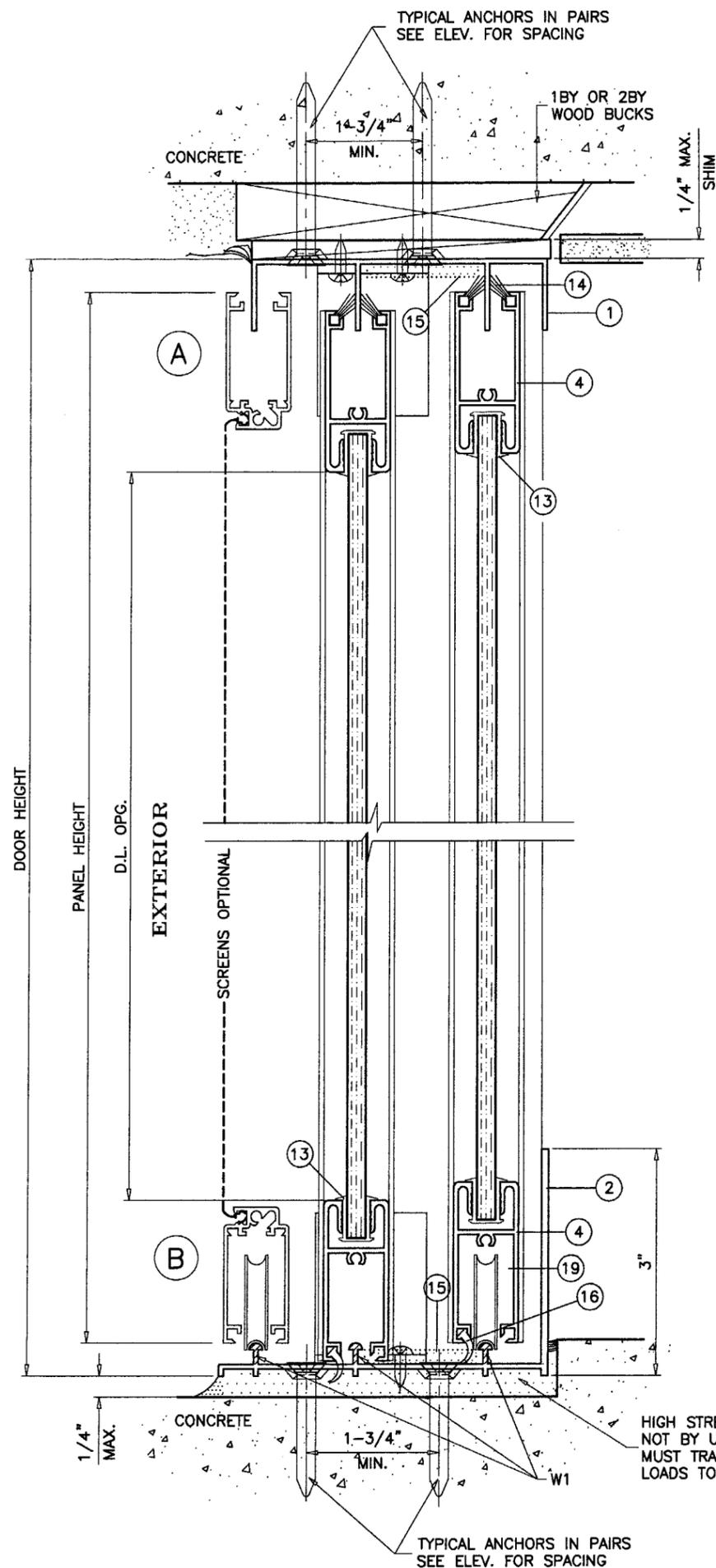
revisions:

| no | date | description |
|----|----------|------------------------|
| A | 02.27.06 | REV. PER BCCO COMMENTS |

date: 11-02-05
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W05-50

sheet 1 of 4



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 Miami Dade Protocol Control
 Division
 By (Signature)

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

TYPICAL ANCHORS IN PAIRS: SEE ELEV. FOR SPACING

1/4" TAPCONS BY ELCO

THRU 1BY OR 2BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

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

#14 SMS OR SELF DRILLING SCREWS (GRADE 5 CRS)

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)

TYPICAL EDGE DISTANCE

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

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
 WHITE/ALUMINUM COLORED SILICONE.

WEEPHOLES:

W1 = 1-1/8" WEEP NOTCH AT EACH END OF SILL

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 MAR 01 2006

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 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W05-500W

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| dr. by: HAMID | chk. by: |

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| drawing no. | W05-50 |
| sheet | 2 of 4 |

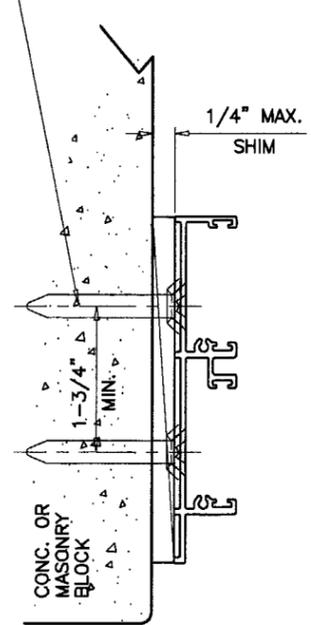
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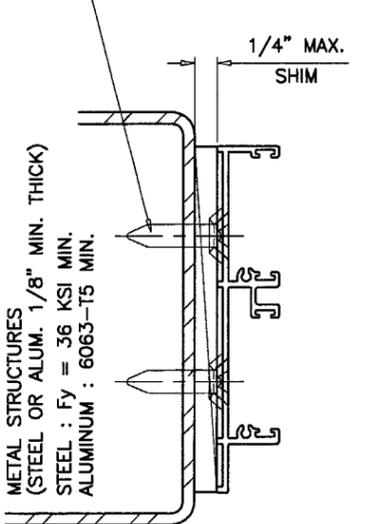
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| ITEM NO. | PART NUMBER | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|----------|--------------|---------------|--------------------------------------|----------|------------------------------|
| 1 | USD-101 | 1 | FRAME HEAD | 6063-T6 | - |
| 2 | USD-102 | 1 | FRAME SILL | 6063-T6 | - |
| 3 | USD-103 | 2 | FRAME JAMB | 6063-T6 | - |
| 4 | USD-104 | 2/ PANEL | TOP & BOTTOM RAIL | 6063-T6 | - |
| 5 | USD-105 | AS REQD. | LOCK STILE | 6063-T6 | - |
| 6 | 6592 | AS REQD. | INTERLOCK | 6063-T6 | - |
| 7 | UA-1064 | 3/ FIX. PANEL | FIXED PANEL JAMB CLIP | 6063-T6 | - |
| 8 | #10 X 1-1/2" | 2/ CLIP | CLIP ANGLE SCREWS | - | - |
| 9 | - | 2 | FIX. INTERLOCK CLIP ANGLE | ALUMINUM | 2" X 2" X 1/8" X 1-1/2" WIDE |
| 10 | #8 X 3/4" | 1/ CLIP | JAMB CLIP SCREW | - | PH SMS |
| 11 | - | AS REQD. | 1/4" X 1-1/2" BAR | STEEL | FULL LENGTH OF STILE |
| 12 | USD-116 | 2/ PANEL | PANEL TOP GUIDE | - | - |
| 13 | USD-114 | AS REQD. | GLAZING CHANNEL | VINYL | - |
| 14 | Q3653 | AS REQD. | TOP RAIL SKIRTING | - | SCHLEGEL OR EQUIV. |
| 15 | - | - | 7/8" X 1-1/2" ADHESIVE BACK PILE PAD | - | AT HEAD & SILL |
| 16 | - | AS REQD. | BOTTOM RAIL VINYL FLAP W'STRIPPING | - | SCHLEGEL OR EQUIV. |
| 17 | PB-8223-187 | AS REQD. | PILE W'STRIPPING @ STILES & JAMBS | - | SCHLEGEL OR EQUIV. |
| 18 | - | 1/ LOCK PANEL | DOOR LOCK ASSEMBLY | - | ALLEN STEVENS OR EQUIV. |
| 19 | - | 2/ MOV. PANEL | ROLLER ASSEMBLY | - | ALLEN STEVENS OR EQUIV. |
| 20 | #8 X 1" | 4/ PANEL | PANEL ASSEMBLY SCREWS | - | PH SMS |
| 21 | #8 X 1" | 8 | FRAME ASSEMBLY SCREWS | - | PH SMS |

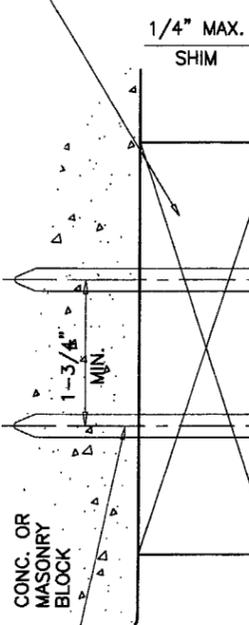
TYPICAL ANCHORS IN PAIRS
 SEE ELEV. FOR SPACING



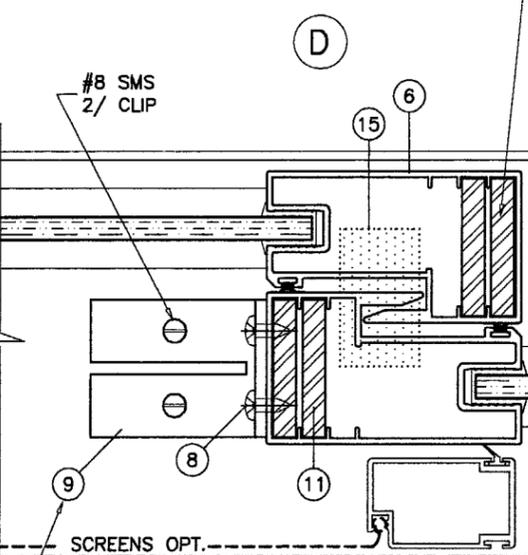
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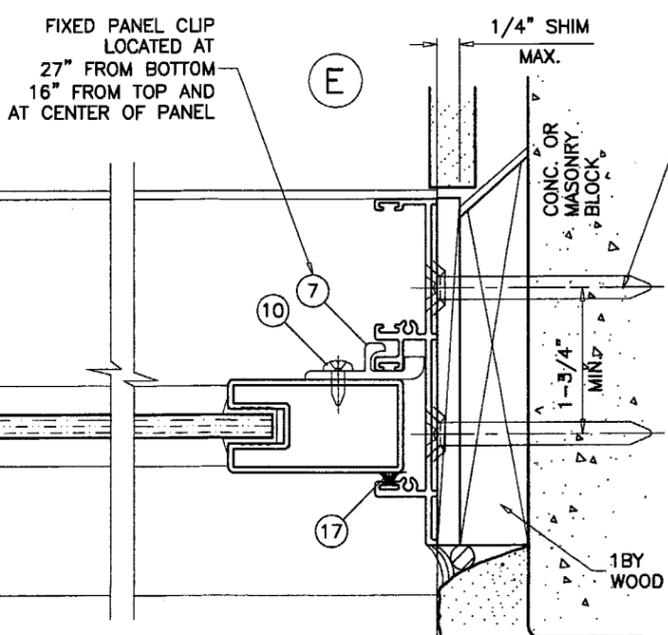
2BY WOOD BUCK



REINFORCING BARS
 SEE CHART ON SHEET 1
 FOR QUANTITY



FIXED PANEL CLIP
 LOCATED AT
 27" FROM BOTTOM
 16" FROM TOP AND
 AT CENTER OF PANEL

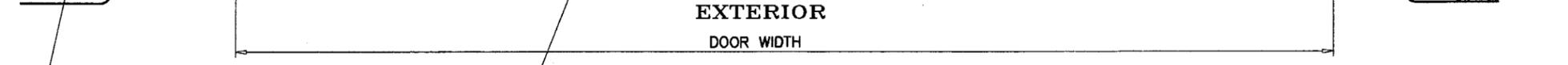


TYPICAL ANCHORS IN PAIRS
 SEE ELEV. FOR SPACING

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 By Shaq I. Chanda

TYPICAL ANCHORS IN PAIRS
 SEE ELEV. FOR SPACING

CLIPS LOCATED AT
 TOP AND BOTTOM OF
 FIXED INTERLOCK



EXTERIOR
 DOOR WIDTH

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
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MAR 01 2006

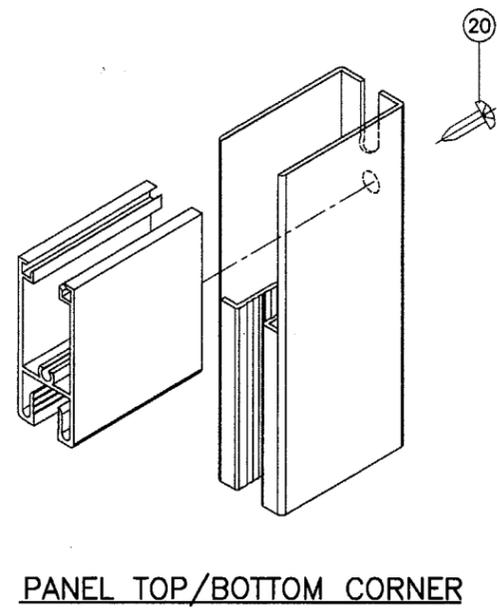
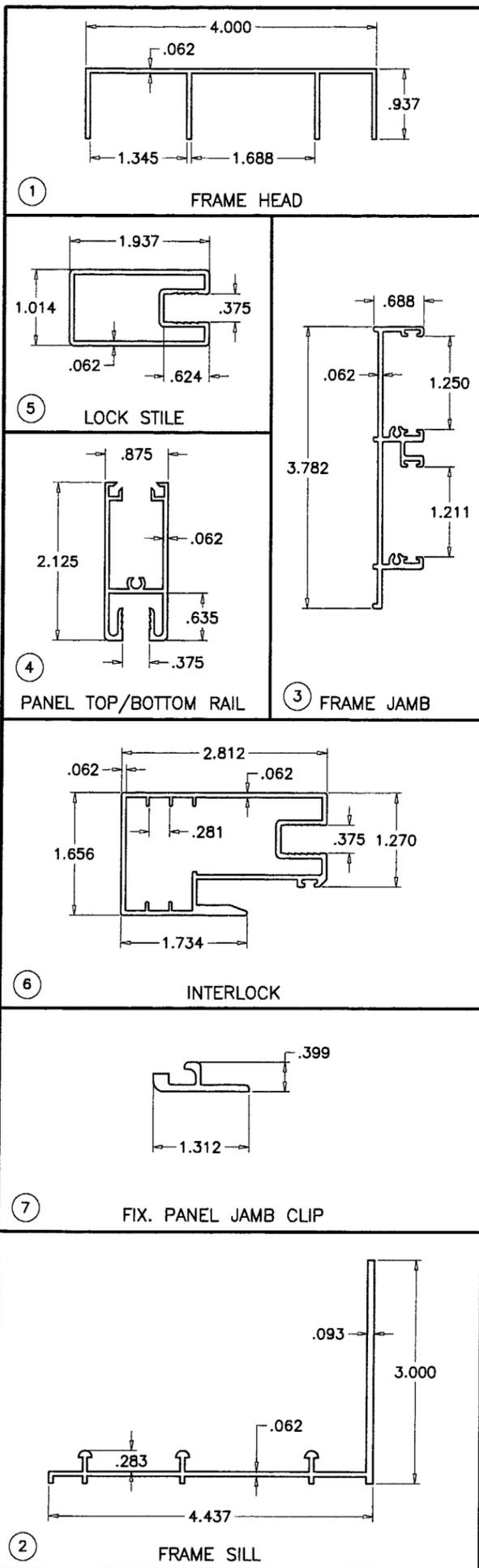
revisions:

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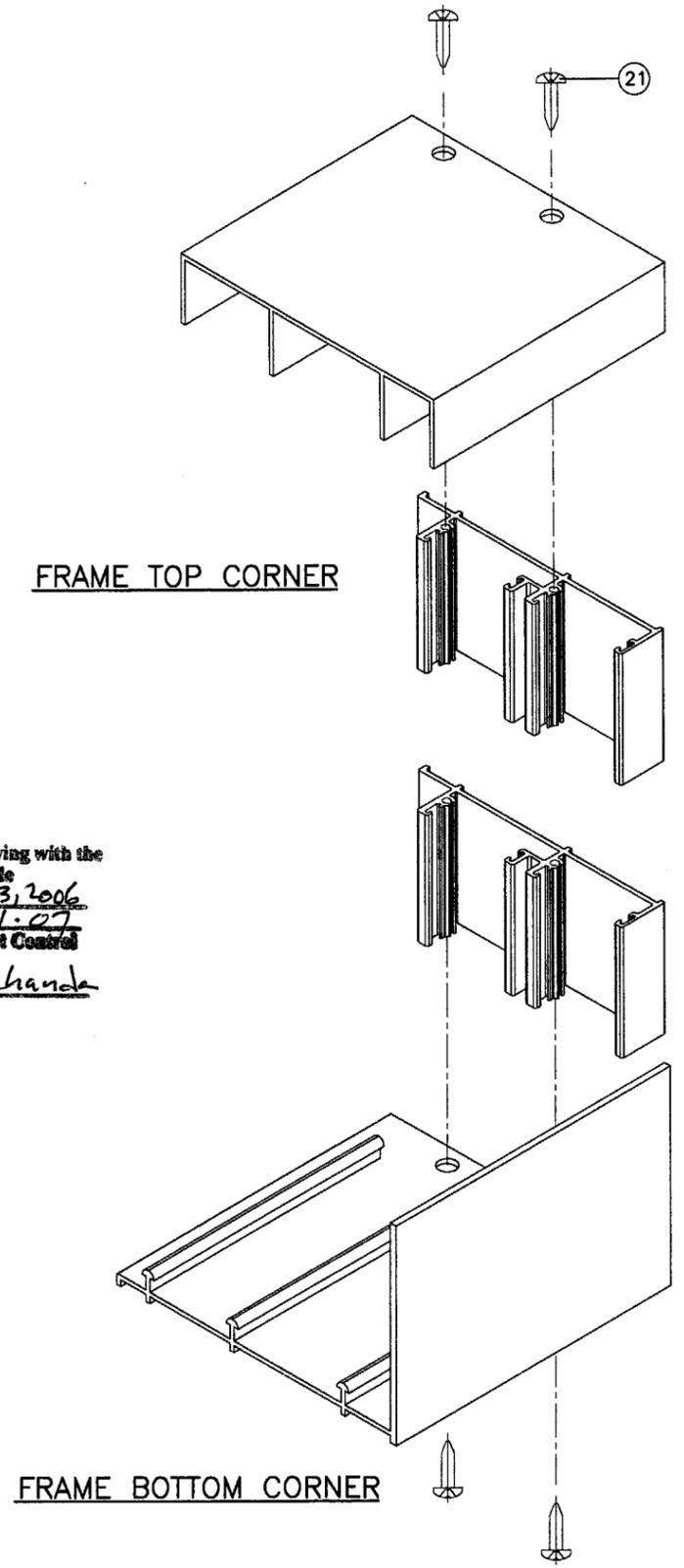
date: 11-02-05
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 chk. by:

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sheet 3 of 4



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W05-50

sheet 4 of 4