



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

NOTICE OF ACCEPTANCE (NOA)

Gopi Glass Sales & Services Corp.

7450 NW 41st 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 and accepted by Miami-Dade County PERA - Product Control Section 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 Section (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. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: Aluminum Single Hung Window – N. I.

APPROVAL DOCUMENT: Drawing No. **W06-24**, titled "Aluminum Single Hung Window", sheets 1 through 4 of 4, dated 03/16/06 with revision B dated 10/26/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Section.

MISSILE IMPACT RATING: None.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, 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 renews** NOA # **10-0107.04** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



NOA No. 11-1109.01
Expiration Date: February 01, 2017
Approval Date: February 02, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W06-24**, Sheets 1 through 4 of 4, titled "Aluminum Single Hung Window", prepared by Al-Farooq Corporation, dated 03/16/06 with revision B dated 10/26/11, signed and sealed by Javad Ahmad, 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) 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, TAS 202-94along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-05-1435**, dated 11/28/05, signed and sealed by Ivonne Ghia, P. E.
(Submitted under previous NOA No.06-0705.04)

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC-2007 and FBC-2010, prepared by Al-Farooq Corporation, dated 10/07/09, revised and updated on 10/25/11, signed and sealed by Javad Ahmad, P. E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2007 and FBC-2010, and no financial interest, dated 10/24/11, signed and sealed by Javad Ahmad, P. E.
2. Laboratory compliance letter for Test Report No. **HETI-05-1435**, issued by Hurricane Engineering & Testing, Inc., dated 11/28/05, signed and sealed by Ivonne Ghia, P. E. *(Submitted under previous NOA No.06-0705.04)*

G. OTHERS

1. Notice of Acceptance No. **10-0107.04**, issued to Gopi Glass Sales & Services Corp. for their Aluminum Single Hung Window -- N.I., approved on 03/31/10 and expiring on 02/01/12.


Manuel Perez P.E.
Product Control Examiner
NOA No. 11-1109.01

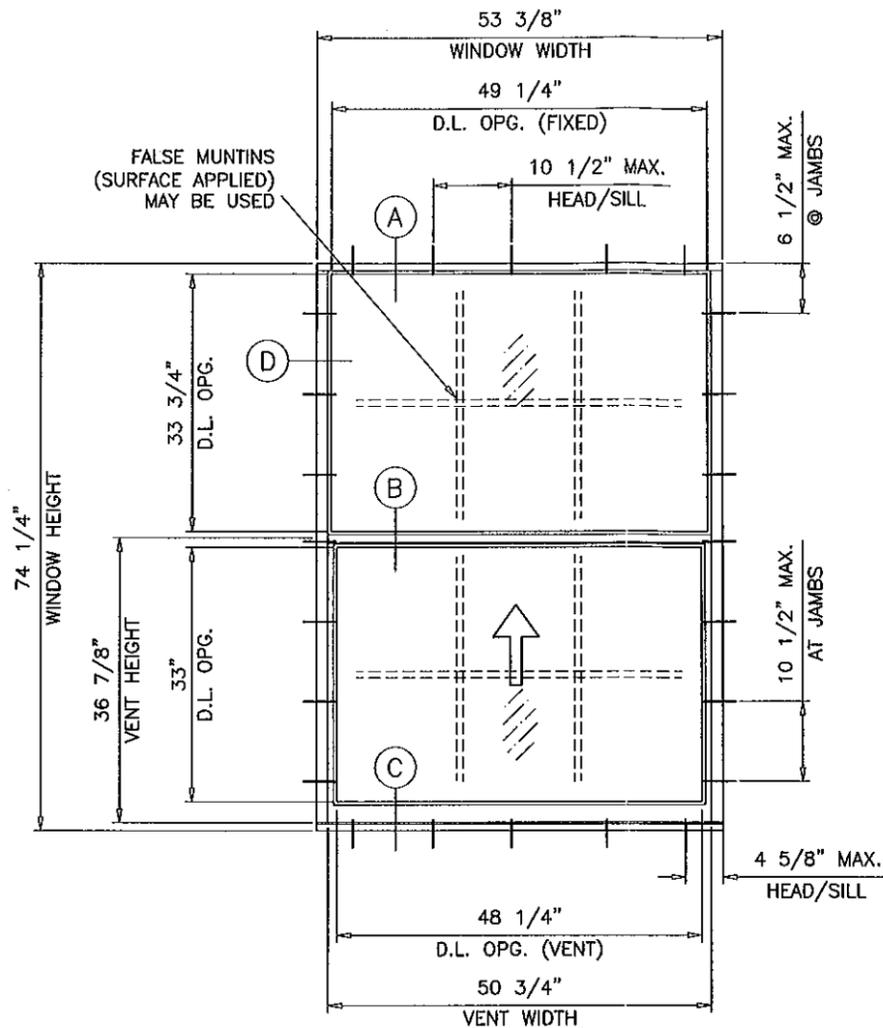
Expiration Date: February 01, 2017

Approval Date: February 02, 2012

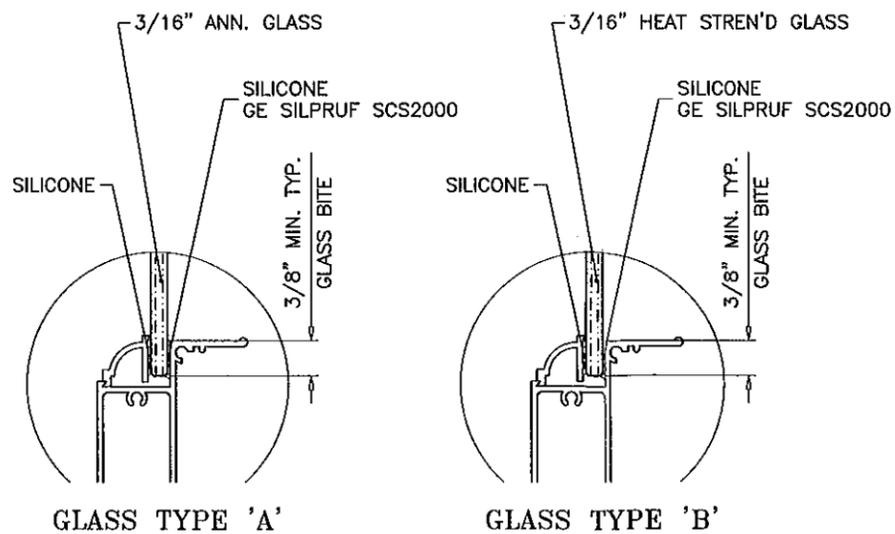
| DESIGN LOAD CAPACITY - PSF | | | | | |
|----------------------------|----------------|----------------|---------|----------------|---------|
| WINDOW DIMS. | | GLASS TYPE 'A' | | GLASS TYPE 'B' | |
| WIDTH | HEIGHT | EXT.(+) | INT.(-) | EXT.(+) | INT.(-) |
| 19-1/8" | 26" (3) | 60.0 | 80.0 | 60.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 32" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 37" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 42" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 48" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 53-1/8" | 38-3/8" (4) | 60.0 | 75.8 | 60.0 | 75.8 |
| 19-1/8" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 32" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 37" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 42" | | 60.0 | 79.1 | 60.0 | 79.1 |
| 48" | 60.0 | 70.9 | 60.0 | 70.9 | |
| 53-1/8" | 50-5/8" (5) | 60.0 | 65.1 | 60.0 | 65.1 |
| 19-1/8" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 32" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 37" | | 60.0 | 77.9 | 60.0 | 77.9 |
| 42" | | 60.0 | 70.8 | 60.0 | 70.8 |
| 48" | 60.0 | 63.8 | 60.0 | 63.8 | |
| 53-1/8" | 58" (6) | 54.2 | 54.2 | 58.8 | 58.8 |
| 19-1/8" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 32" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 37" | | 60.0 | 78.7 | 60.0 | 78.7 |
| 42" | | 60.0 | 71.7 | 60.0 | 71.7 |
| 48" | 60.0 | 62.7 | 60.0 | 64.8 | |
| 53-1/8" | 63" (6) | 50.5 | 50.5 | 57.3 | 59.9 |
| 19-1/8" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 32" | | 60.0 | 78.1 | 60.0 | 78.1 |
| 37" | | 60.0 | 70.7 | 60.0 | 70.7 |
| 42" | | 60.0 | 64.6 | 60.0 | 64.6 |
| 48" | 58.5 | 58.5 | 58.5 | 58.5 | |
| 53-1/8" | 74-1/4" (7) | 49.6 | 49.6 | 54.2 | 54.2 |
| 19-1/8" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 26-1/2" | | 60.0 | 80.0 | 60.0 | 80.0 |
| 32" | | 60.0 | 73.5 | 60.0 | 73.5 |
| 37" | | 60.0 | 66.5 | 60.0 | 66.5 |
| 42" | | 60.0 | 61.0 | 60.0 | 61.0 |
| 48" | 55.5 | 55.5 | 55.5 | 55.5 | |
| 53-1/8" | | 49.0 | 49.0 | 50.0 | 51.5 |

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

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219



TYPICAL ELEVATION
TESTED UNIT



GLAZING OPTIONS

WINDOWS NOT RATED FOR IMPACT.

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.

ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHART SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 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 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 2010 FLORIDA BLDG. CODE SECTION 2003.8.4.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

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Expiration Date FEB. 1, 2017

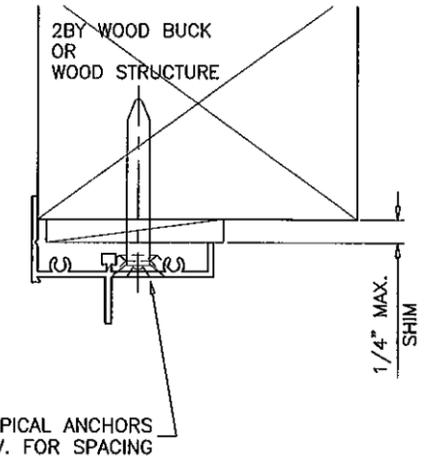
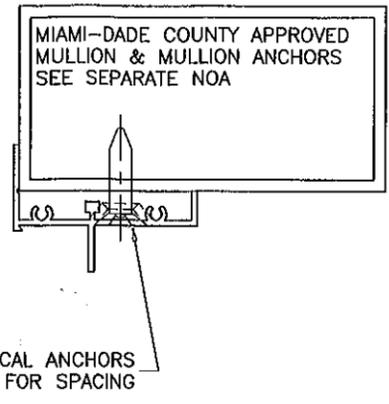
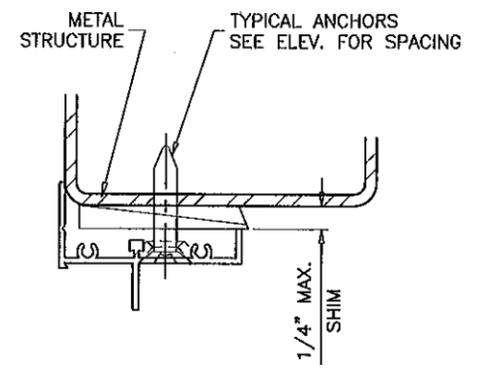
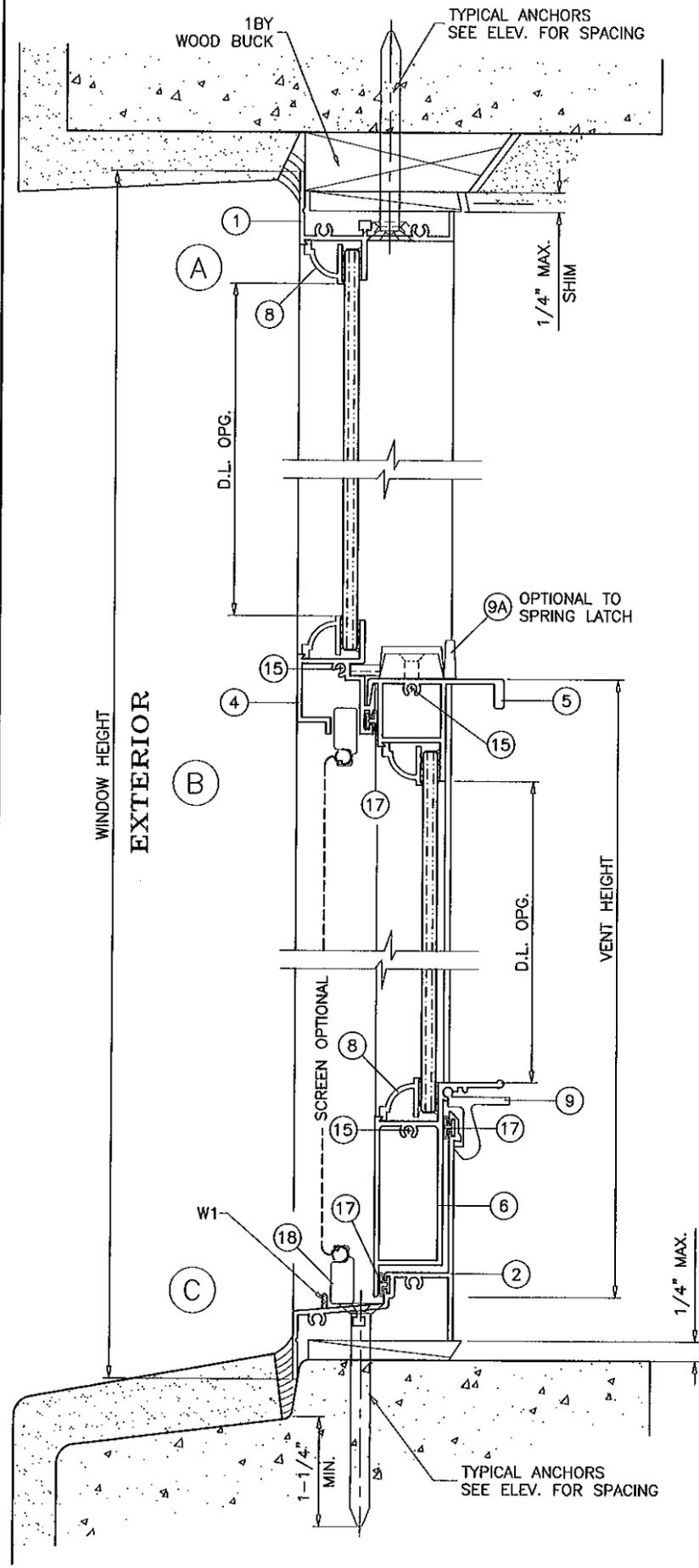
By: *[Signature]*
Miami/Dade Product Control

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W06-24G6

ALUMINUM SINGLE HUNG WINDOW
GOPI GLASS CORPORATION
7450 N.W. 41 STREET
MIAMI, FL. 33166
TEL. (305) 592-2009 FAX. (305) 477-0992

| NO. | DATE | DESCRIPTION |
|-----|----------|----------------------|
| A | 10.15.09 | UPDATED FOR 2007 FBC |
| B | 10.26.11 | UPDATED TO 2010 FBC |

date: 03-16-06
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:
drawing no. W06-24
sheet 1 of 4



WOOD BUCKS AND METAL STRUCTURE NOT BY GOPI GLASS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY 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 2 CRS)
 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)

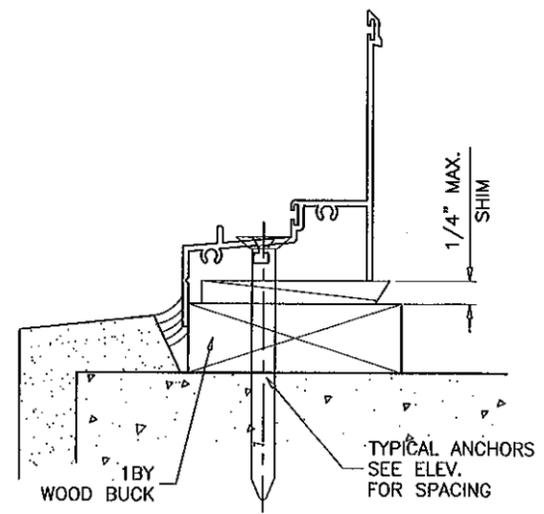
#12 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 (NO SHIM SPACE)

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

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:
 ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SILICONE SEALANT.

WEEPHOLES:
 W1 = 1" LONG NOTCH AT EACH END



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 C.A.N. 3538
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 By: *Muhammad*
 Miami Dade Product Control

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 COMP-ANL\W06-24GG

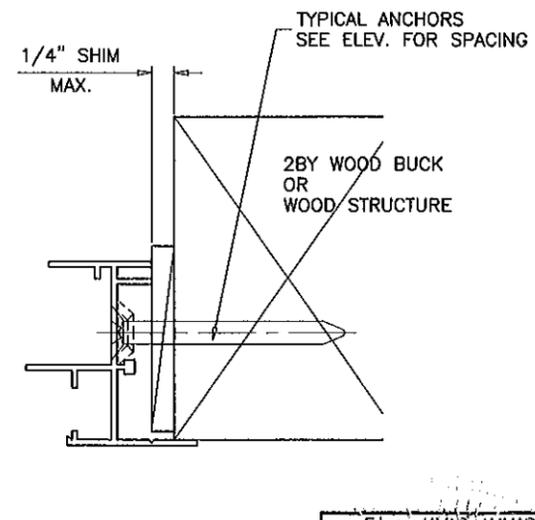
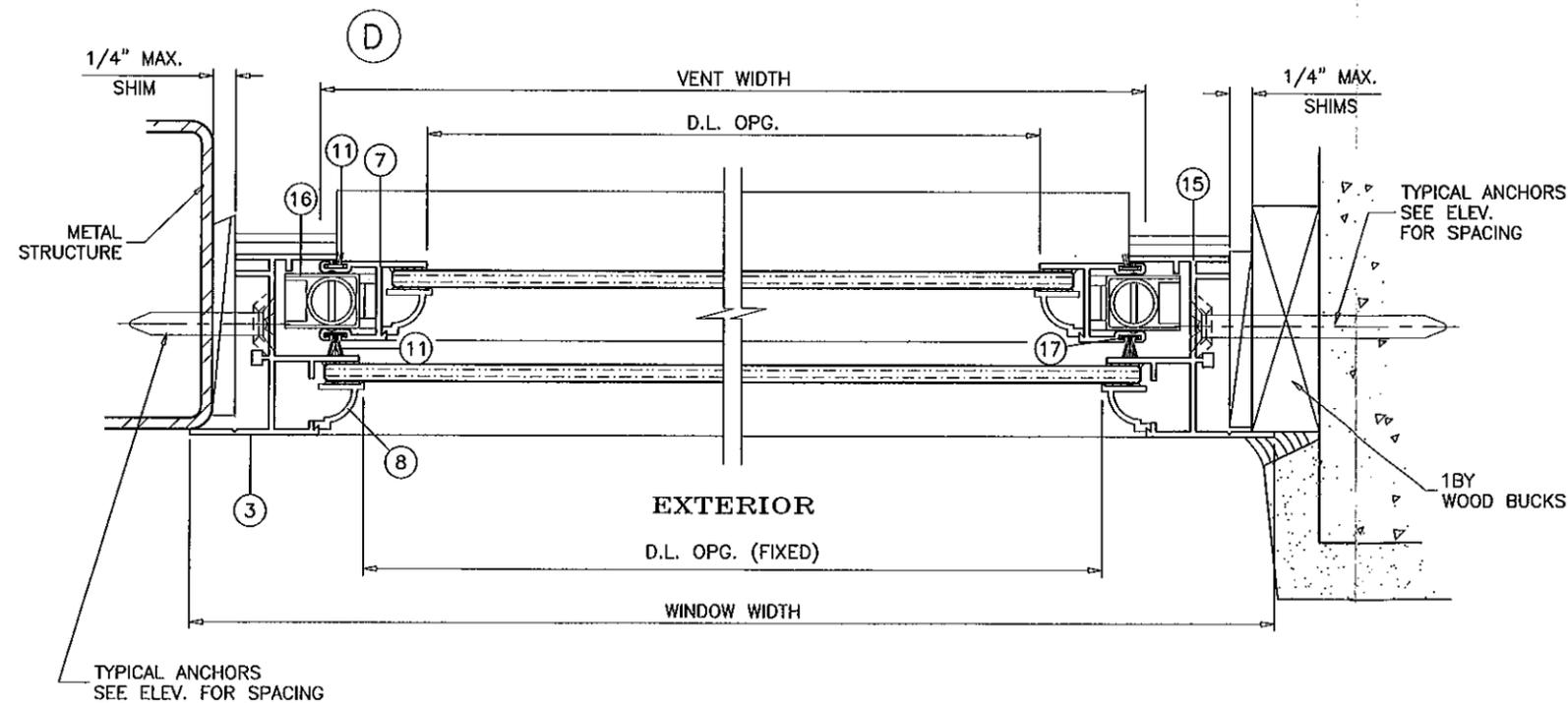
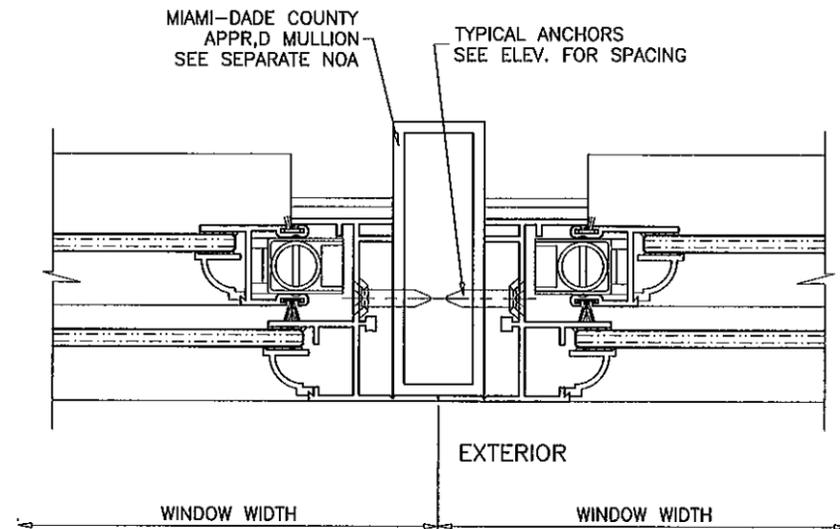
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date: 03-16-06
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W06-24
 sheet 2 of 4

| ITEM # | PART # | REQD. | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|--------|-----------|----------|-------------------------------|-----------|---|
| 1 | - | 1 | FRAME HEAD | 6063-T5 | - |
| 2 | GSH118 | 1 | FRAME SILL | 6063-T5 | - |
| 3 | GSH120 | 2 | FRAME JAMB | 6063-T5 | - |
| 4 | - | 1 | FIXED MTG. RAIL | 6063-T5 | - |
| 5 | GSH117 | 1 | VENT TOP RAIL | 6063-T6 | - |
| 6 | GSH119A | 1 | VENT BOTTOM RAIL | 6063-T6 | - |
| 7 | - | 2 | VENT JAMB | 6063-T5 | - |
| 8 | - | AS REQD. | GLAZING BEAD | ALUMINUM | - |
| 9 | - | 2/VENT | VENT LATCH @ 6-1/2" FROM ENDS | NYLON | - |
| 9A | 672205K38 | 2/VENT | VENT LATCH @ 6-1/2" FROM ENDS | - | DECO PRODUCTS, ATTACHED W/ (2) #8 X 5/8" FH SMS |
| 10 | GSH114 | AS REQD. | VENT GUIDE | RIGID PVC | - |
| 11 | - | AS REQD. | PILE WEATHERSTRIP | - | - |
| 15 | - | AS REQD. | ASSEMBLY SCREWS | - | #8 x 3/4" P.H. CRS SMS |
| 16 | - | 2 | BLOCK & TACKLE BALANCE | - | 5/8" BOX, BALANCE SYSTEMS INC. OR EQ. |
| 17 | - | AS REQD. | BULB WEATHERSTRIP | - | - |
| 18 | - | 1 | 5/16" BOX SCREEN | - | OPTIONAL |



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By *Manuel Sery*
 Miami Dade Product Control

af c

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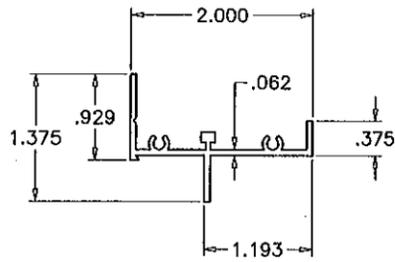
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| A | 10.15.09 | | UPDATED FOR 2007 FBC |
| B | 10.26.11 | | NO CHANGE THIS SHEET |

revisions:

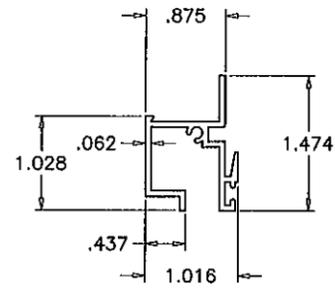
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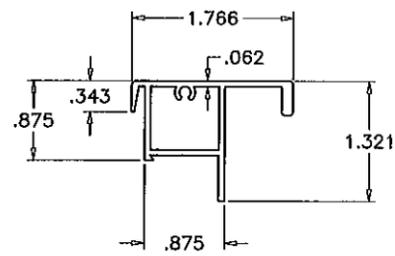
sheet 3 of 4



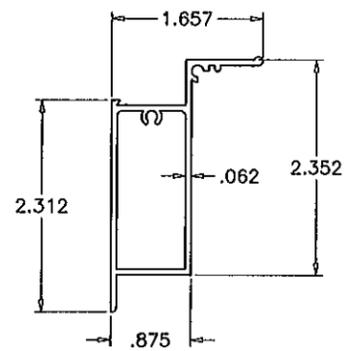
① FRAME HEAD



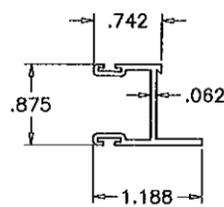
④ FIXED MEETING RAIL



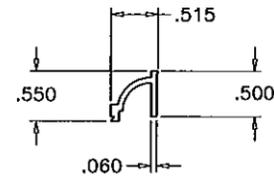
⑤ VENT TOP RAIL



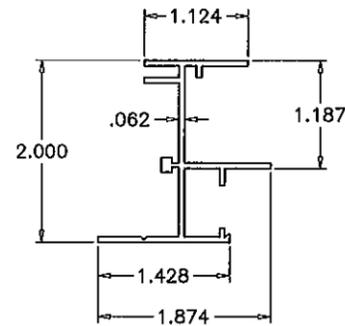
⑥ VENT BOTTOM RAIL



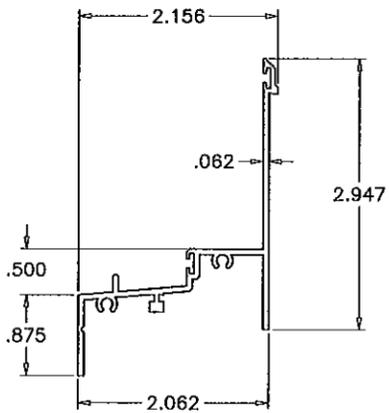
⑦ SASH SIDE RAIL



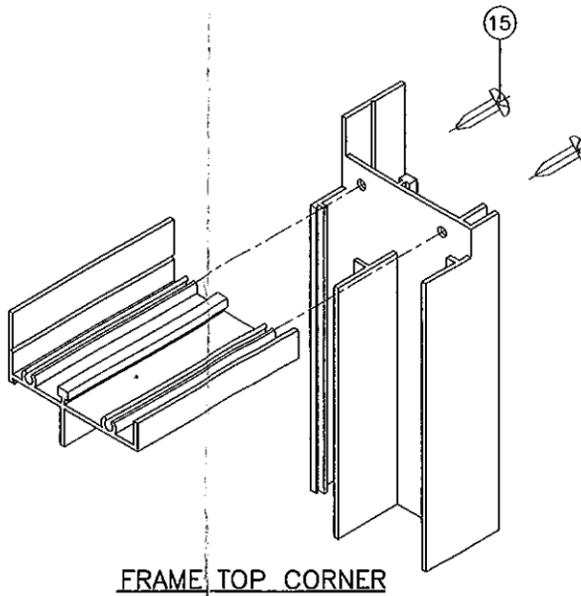
⑧ GLAZING BEAD



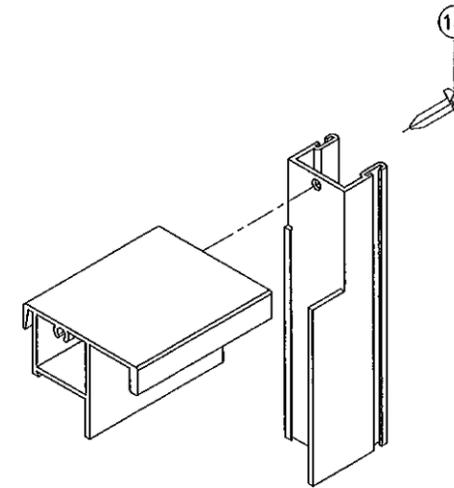
③ FRAME JAMB



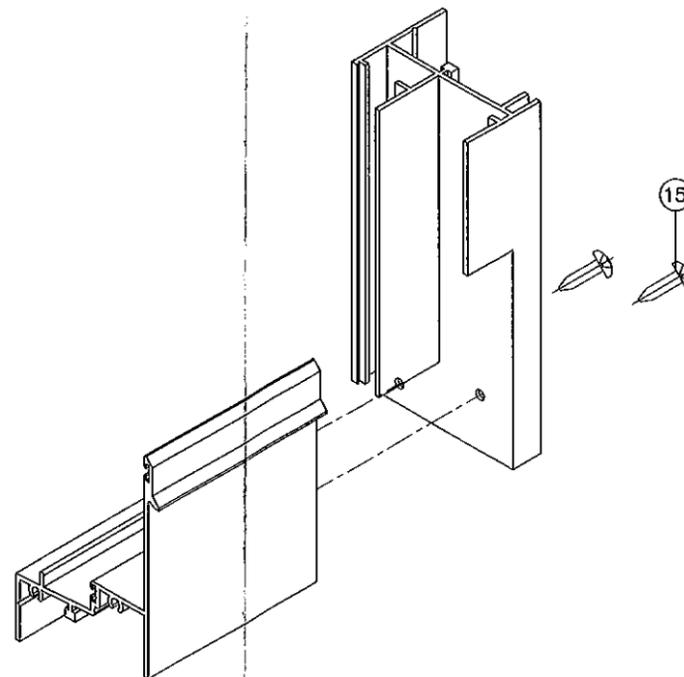
② FRAME SILL



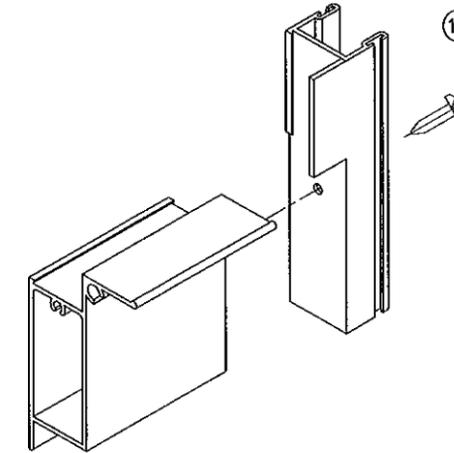
FRAME TOP CORNER



VENT TOP CORNER



FRAME BOTTOM CORNER



VENT BOTTOM CORNER

Engr: JAVAD AHMAD
 CIVIL
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By: *Manuel Piza*
 Miami Dade Product Control

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 sheet 4 of 4