



MIAMI-DADE COUNTY
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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Fenestra-America, LLC
5300 Kings Highway
Brooklyn, NY 11234

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 "FA-HC6020 Tilt-Turn" Bronze Clad Inswing Wood Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-75**, titled "FA-HC6020 Tilt-Turn Wood Casement Wdw.", sheets 1 through 5 of 5, dated 10/05/07, with revision A dated 06/30/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, 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: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name:

FENESTRA-AMERICA (RN-1)

FENESTRA-AMERICA (PS-1)

Santarcangelo di Romagna (RN), Italy

Fano (PS), Italy

and the following statement: "**Miami-Dade County Product Control Approved**".

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 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.**

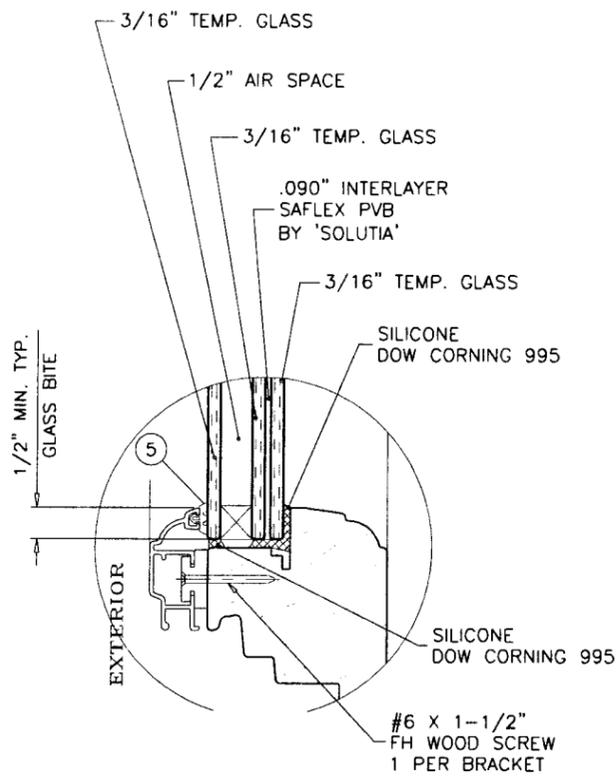


NOA No. 08-0714.09
Expiration Date: December 16, 2014
Approval Date: December 16, 2009
 Page 1

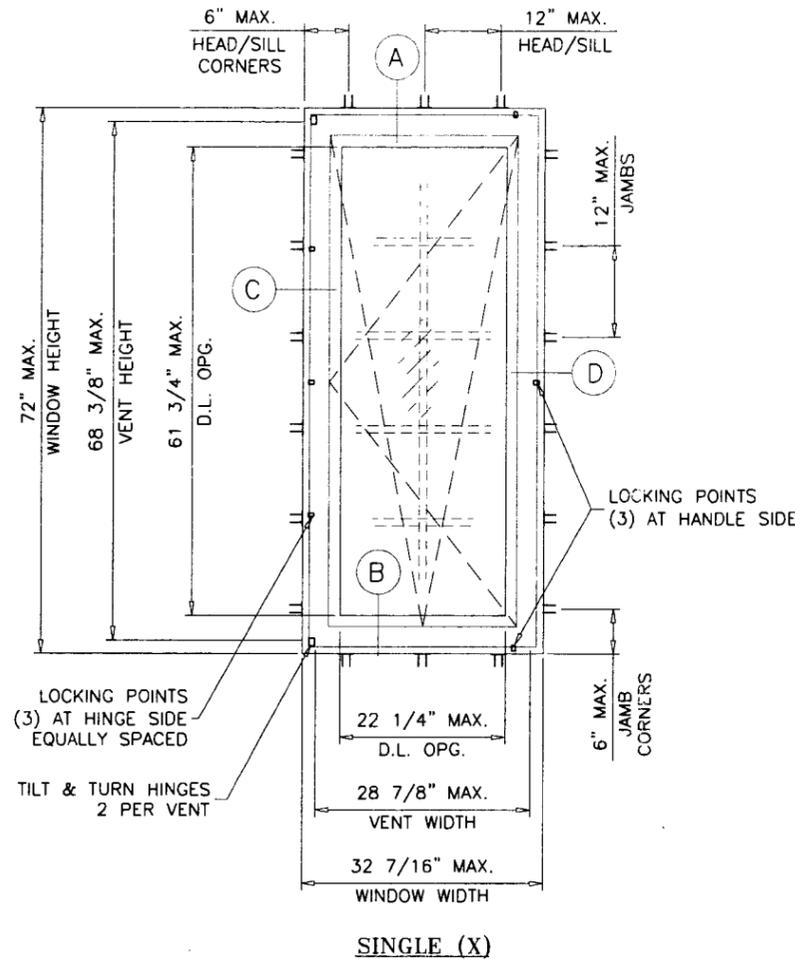
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS**
1. Manufacturer's die drawings and sections.
 2. Drawing No **W07-75**, Sheets 1 through 5 of 5, titled "FA-HC6020 Tilt-Turn Wood Casement Wdw.", dated 10/05/07, with revision A dated 06/30/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, 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 202-94
along with marked-up drawings and installation diagram of in swing, tilt-turn wood casement window, prepared by Architectural Testing, Test Report No. **ATI-55541.04-122-18**, dated 08/17/05 with revision #7 dated 08/04/08, all signed and sealed by Michael D. Stremmel, P.E.
- C. CALCULATIONS**
1. Anchor verification calculations and structural analysis, complying with FBC-2004 and 2007, prepared by Al-Farooq Corporation, dated 7/1/09, signed and sealed by Arshad Viqar, P.E. **Complies with ASTM E1300-02/04**
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "Saflex III G Clear or colored Interlayer" dated 05/04/06, expiring on 05/21/11.
- F. STATEMENTS**
1. Statement letter of conformance, dated April 24, 2008, signed and sealed by Humayoun Farooq, P.E.
 2. Statement letter of no financial interest, dated April 24, 2008, signed and sealed by Humayoun Farooq, P.E.
 3. Letter of *Adoption of as his Own, the Work of Another Engineer* per Section 61G15-27 of the FBPE, dated May 13, 2009 signed and sealed by Arshad Viqar, P.E.
 4. Distributor Agreement document in conformance to BCCO guidelines dated 06/10/09 signed by Elisa Zefferani and Roy Zeluck.
- G. OTHER**
1. None.

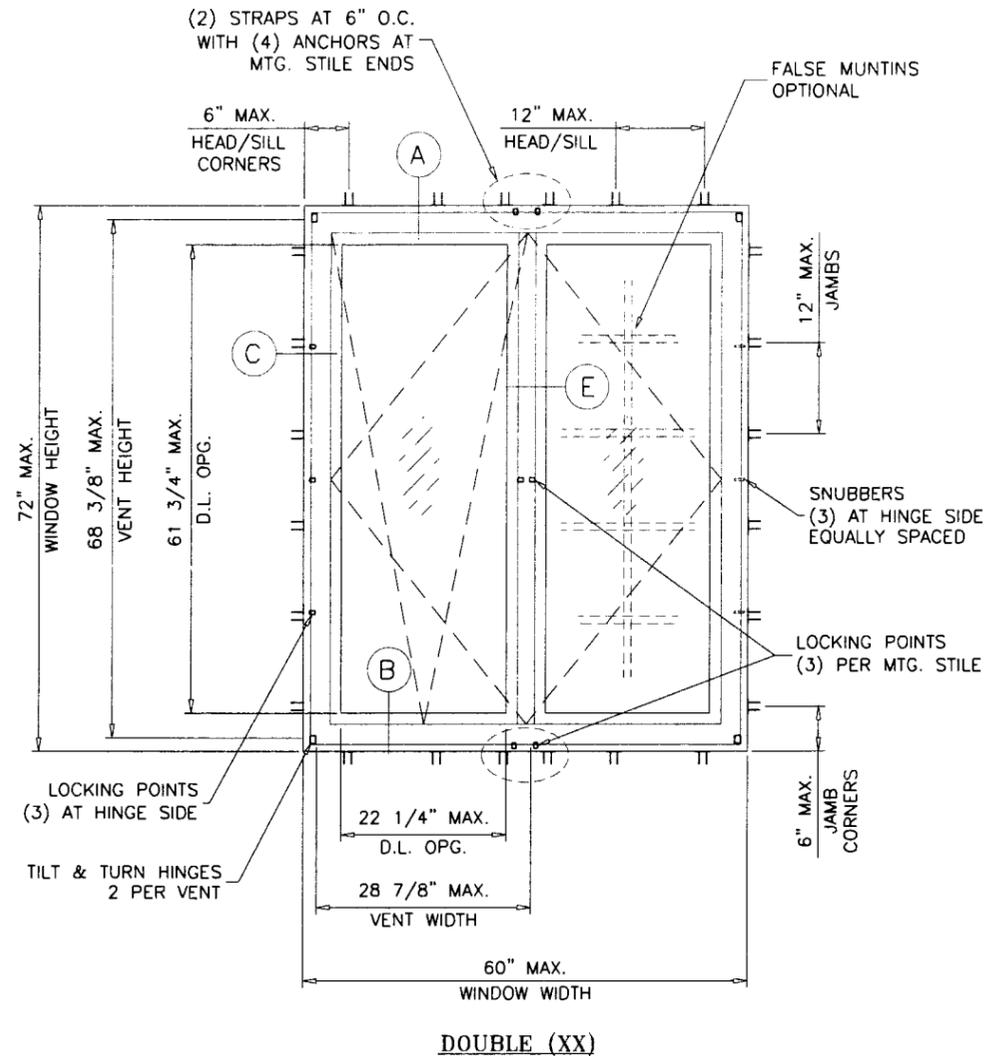

Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0714.09
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GLAZING DETAIL
1-1/8" OVERALL
INSULATING LAMINATED GLASS



SINGLE (X)



DOUBLE (XX)

TYPICAL ELEVATIONS

**SERIES FA-HC6020 BRONZE CLAD WOOD
OPEN-IN TILT & TURN CASEMENT WINDOW**

THESE WINDOWS CAN BE INSTALLED AS SINGLE UNITS OR IN COMBINATION WITH MIAMI-DADE COUNTY APPROVED PRODUCTS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURES FROM WINDOWS, MULLION OR APPROVED PRODUCTS WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 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 2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

THE APPROVED PRODUCTS NOTED HEREIN ARE EXEMPT FROM PRESERVATIVE TREATMENT PER 2326.2.1 OF THE FLORIDA BUILDING CODE WHICH EXEMPTS WOOD SPECIES LISTED AS 'DURABLE'. THE SPECIFIC PRODUCTS HEREIN ARE EXEMPTED HONDURAN MAHOGANY-SWIETENIA MACROPHYLLA OR EQUIVALENT SPECIES BASED ON USDA LISTING AND MUST HAVE A SPECIFIC GRAVITY EQUAL TO OR HIGHER THAT THE REFERENCED SPECIES.

**MAXIMUM DESIGN LOAD RATING = + 55.0 PSF
(FOR SIZES SHOWN OR SMALLER) - 65.0 PSF**

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02/04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

Engr: ARSHAD VIQAR
CIVIL
FLA. PE # 38863
C.A.N. 3538
Arshad
JUL 02 2009

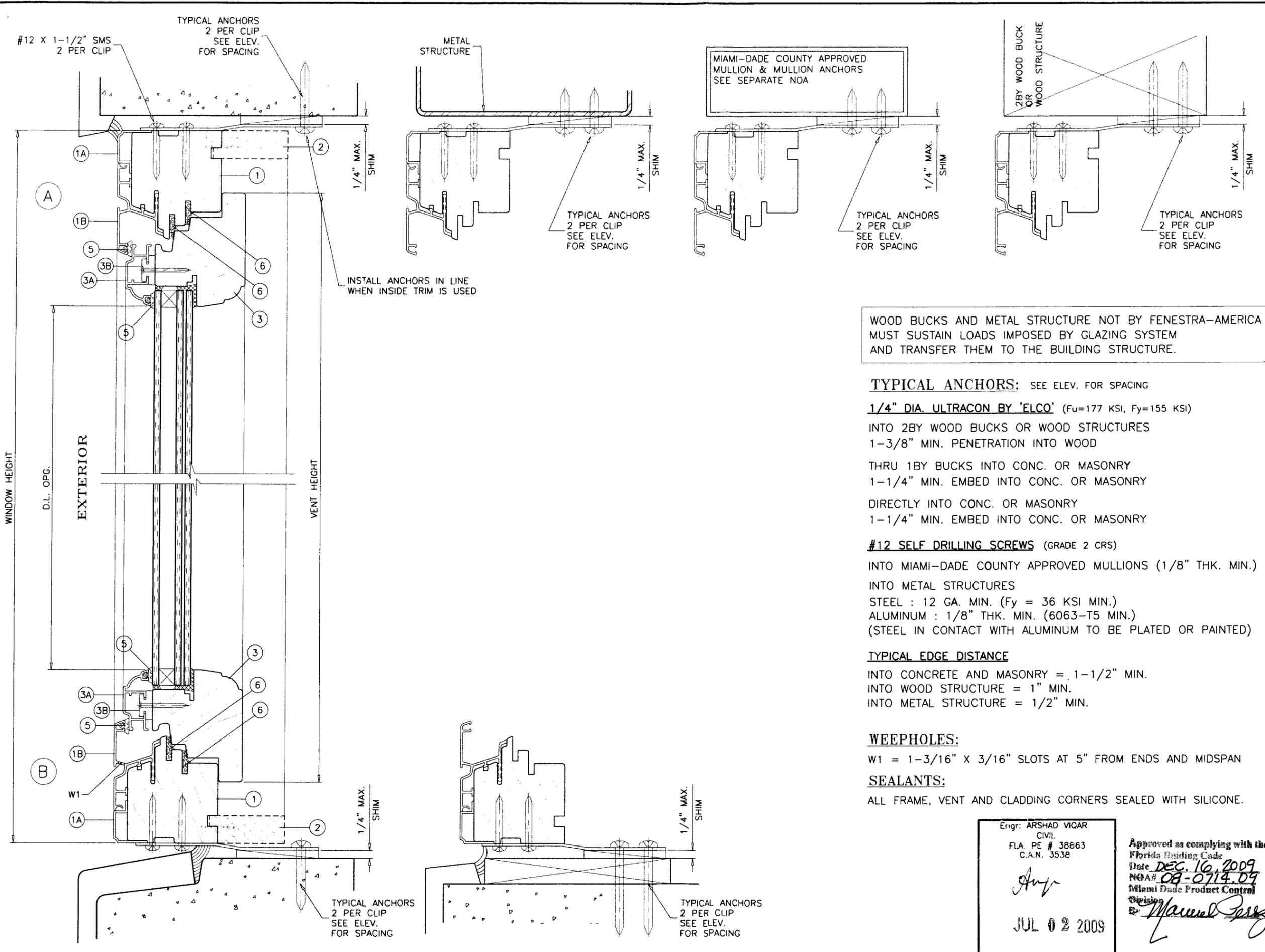
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Date DEC. 16, 2009
DOA# 08-0714.09
Miami Dade Product Control
By *Maureen Perez*

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\W07-75FA

FA-HC6020 TILT-TURN WOOD CASEMENT WDW.
FENESTRA-AMERICA
25 PRESTON COURT
BROOKLYN, NY 11234
TEL. (718) 251-7387 FAX. (718) 531-2564

| no. | date | by | description | REV. | PER | ECCO | COMMENTS |
|-----|----------|----|-------------|------|-----|------|----------|
| A | 06.30.09 | | | | | | |

date: 10-05-07
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:
drawing no. **W07-75**
sheet 1 of 5



MIAMI-DADE COUNTY APPROVED
MULLION & MULLION ANCHORS
SEE SEPARATE NOA

WOOD BUCKS AND METAL STRUCTURE NOT BY FENESTRA-AMERICA
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
#12 SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (1/8" THK. MIN.)
 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)
TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 1-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 1/2" MIN.

WEEPHOLES:
 W1 = 1-3/16" X 3/16" SLOTS AT 5" FROM ENDS AND MIDSPAN
SEALANTS:
 ALL FRAME, VENT AND CLADDING CORNERS SEALED WITH SILICONE.

Engr: ARSHAD VIQAR
 CIVIL
 FLA. PE # 38863
 C.A.N. 3538
 JUL 02 2009

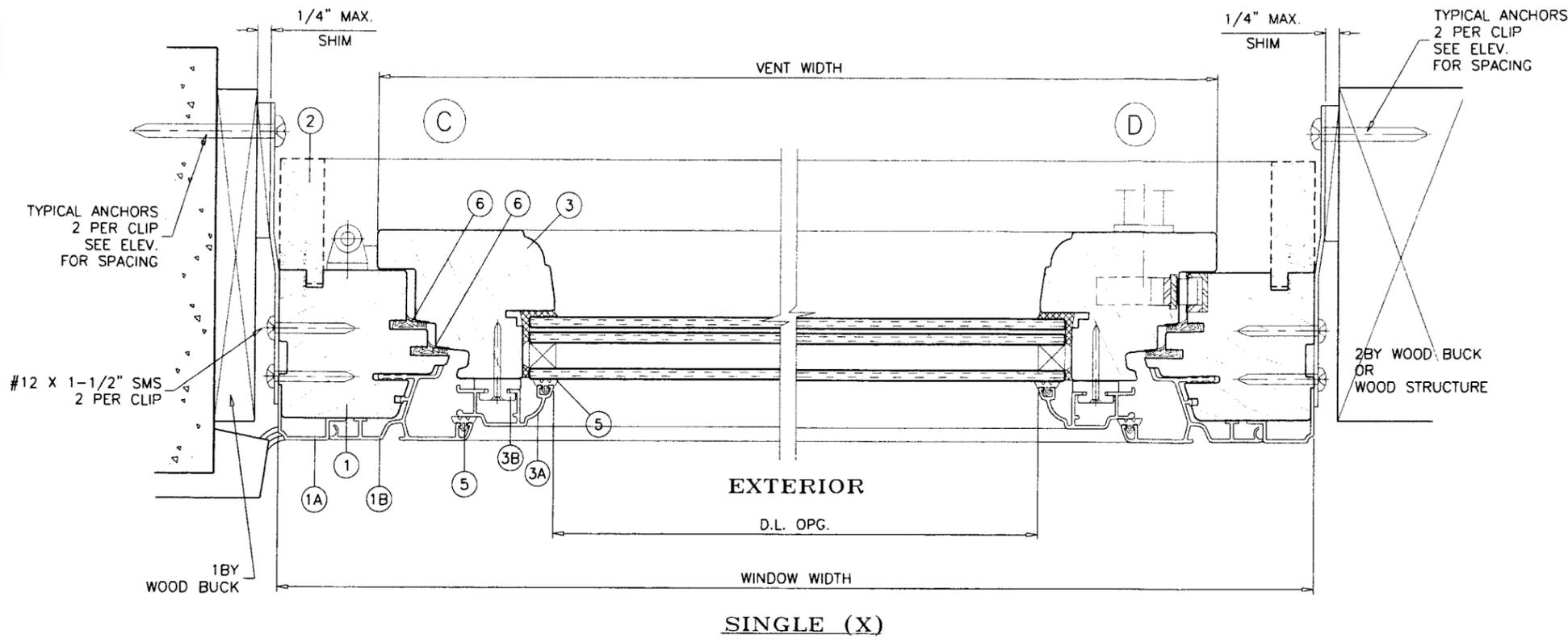
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 Florida Building Code
 Date DEC. 16, 2009
 NOA# 09-0714.09
 Miami Dade Product Control
 Division
 By Manuel Perez

af c
AL-FAROOQ CORPORATION
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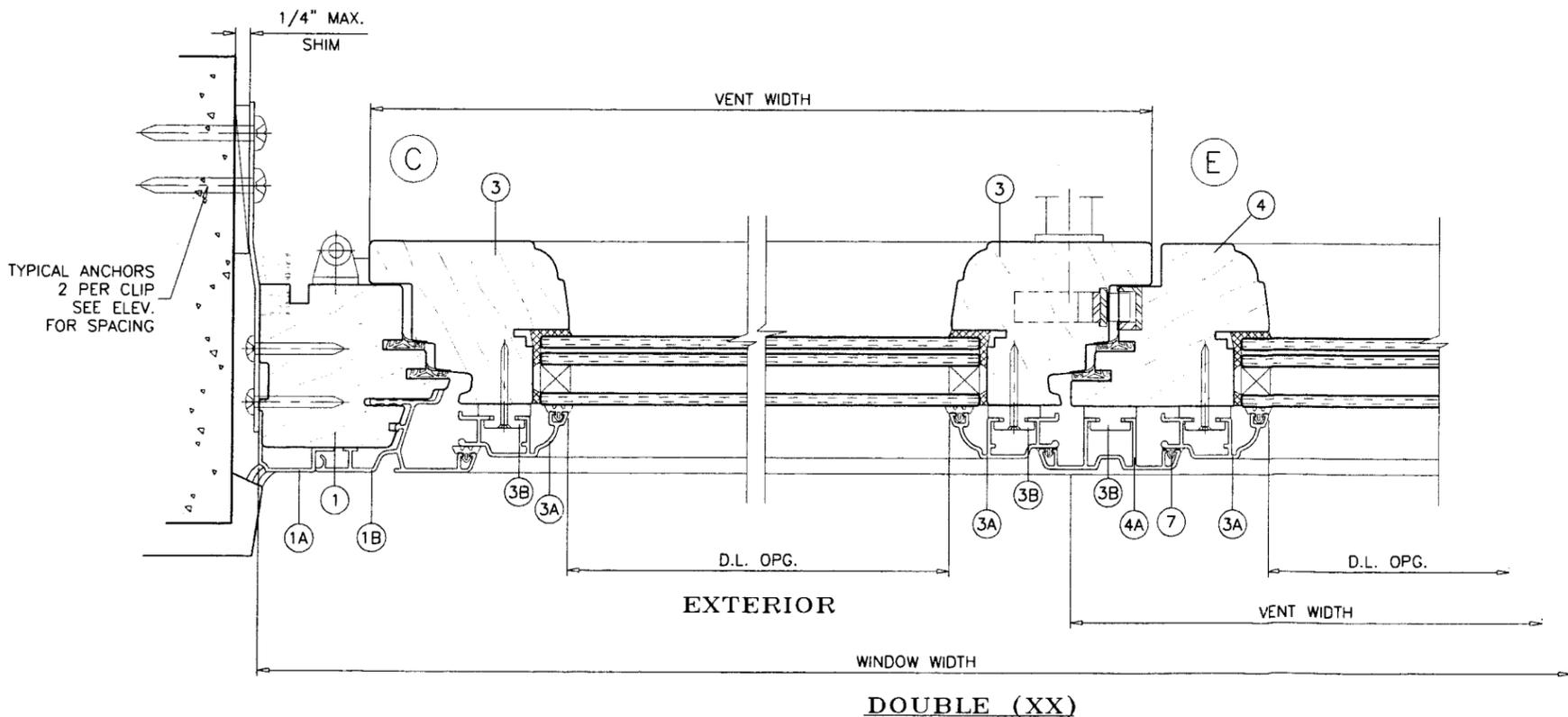
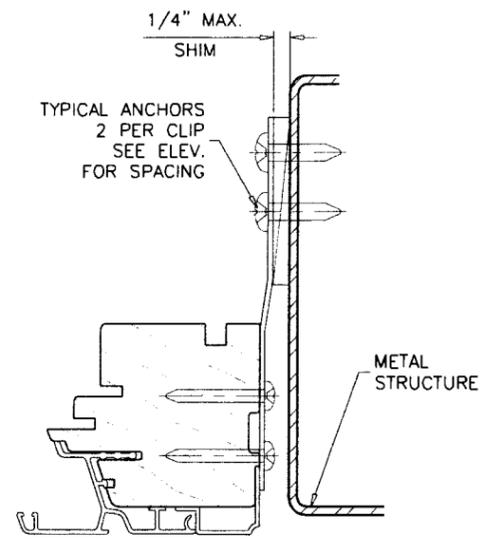
FA-HC6020 TILT-TURN WOOD CASEMENT WD.W.
FENESTRA-AMERICA
 25 PRESTON COURT
 BROOKLYN, NY 11234
 TEL. (718) 251-7387 FAX. (718) 531-2564

| no | date | by | description |
|----|----------|----|----------------------|
| A | 06.30.09 | | NO CHANGE THIS SHEET |

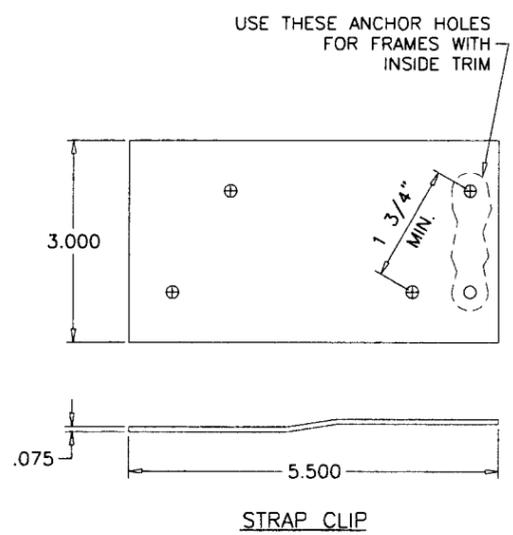
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|---------------------------|------------------|---------------|----------|
| date: 10-05-07 | scale: 3/8" = 1" | dr. by: HAMID | chk. by: |
| drawing no. W07-75 | | | |
| sheet 2 of 5 | | | |



SINGLE (X)



DOUBLE (XX)



Engr: ARSHAD VIQAR
 CIVIL
 FLA. PE # 38863
 C.A.N. 3538
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 Date: DEC 16 2009
 No. 08-0714-09
 National Code Product Control
 By: *Manuel Perez*
 JUL 02 2009

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

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| drawing no. | W07-75 |
| sheet | 3 of 5 |

| ITEM # | REQD. | PART NO. | DESCRIPTION | REMARKS/SUPPLIER |
|--------|----------|------------------|--|---------------------------|
| 1 | 4/ WDW. | - | FRAME HEAD/SILL/JAMB (WOOD) | - |
| 1A | 4/ WDW. | - | FRAME HEAD/SILL/JAMB CLADDING (BRONZE) | - |
| 1B | 4/ WDW. | - | FRAME HEAD/SILL/JAMB CLADDING (BRONZE) | - |
| 2 | AS REQD. | - | FRAME INSIDE TRIM HEAD/SILL/JAMB (WOOD) | OPTIONAL |
| 3 | 4/ VENT | - | VENT MEMBER (WOOD) | - |
| 3A | 4/ VENT | - | VENT MEMBER CLADDING (BRONZE) | - |
| 3B | AS REQD. | - | CLADDING BRACKETS (METAL) | 4" FROM ENDS & AT MIDSPAN |
| 4 | 1 | - | INACTIVE MEETING STILE (WOOD) | - |
| 4A | 1 | - | INACTIVE MEETING STILE CLADDING (BRONZE) | - |
| 5 | AS REQD. | - | KERF MOUNTED DUAL 3/16" DIA. VINYL FOAM BULB SEAL | - |
| 6 | AS REQD. | - | KERF MOUNTED VINYL HOLLOW BULB SEAL | - |
| 7 | AS REQD. | - | KERF MOUNTED DUAL 3/16" DIA. VINYL FOAM BULB SEAL | - |
| 8 | 1 | FAIZ202265 | SASH SAFETY DEVICE (ZINC CHRMT'D STEEL) | SIEGENIA |
| 9 | 1 | FACB822708 | CORNER HINGE 4 2D RH F40 (ZINC CHEMT'D STEEL) | SIEGENIA |
| 10 | 1 | FAGZ802410 | CORNER SUPPORT 4 RH (ZINC CHRMT'D STEEL) | SIEGENIA |
| 11 | 1 | FAGZ802533 | CORNER SUPPORT 4 RH (ZINC CHRMT'D STEEL) | SIEGENIA |
| 12 | 1 | FAAZ803882 | LOCKING GEAR 3/E SZ 3MV (ZINC CHRMT'D STEEL) | SIEGENIA |
| 13 | 1 | FAIZ804377 | TENSION BOTTOM (ZINC CHRMT'D STEEL) | SIEGENIA |
| 14 | 1 | FAGZ804681 | CORNER DRIVE VSO-E A0138 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 15 | 1 | FAGZ804759 | CORNER DRIVE BSO-E SZ .20 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 16 | 9 | FAEZ804933 | STRIKER PLATE E A0420 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 17 | 1 | FAIZ805022 | LINKAGE SZ .230 MV (ZINC CHRMT'D STEEL) | SIEGENIA |
| 18 | 1 | FAIZ805190 | LINKAGE E SZ .0 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 19 | 1 | FAIZ805213 | LINKAGE E SZ .2 MV (ZINC CHRMT'D STEEL) | SIEGENIA |
| 20 | 1 | FABZ80503 | STAY 1E SZ .35 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 21 | 1 | FAIZ805619 | STAY SUPPORT 4 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 22 | 2 | FAEZ807521 | STRIKER PLATE E A0420 Z430 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 23 | 1 | FAFZ810637 | TILT STRIKER PLATE A0420 Z430 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 24 | 1 | FAIZ811061 | ANTI-DRILL PLATE (ZINC CHRMT'D STEEL) | SIEGENIA |
| 25 | 1 | FAIZ811238 | STOP A0420 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 26 | 3 | FAEZ811320 | STRIKER PLATE A0420 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 27 | 1 | FAIB812457 | BAG CLOSING CAP (ZINC CHRMT'D STEEL) | SIEGENIA |
| 28 | 1 | FAEZ815564 | STRIKER PLATE A0761 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 29 | 1 | FAIZ817193 | STAY SUPPORT BOLT 8 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 30 | 1 | FAIB817520 | COVER CAP S 8 RAL8019 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 31 | 2 | FAVZ804853 | LOCKING BOLT E 180GRAD (ZINC CHRMT'D STEEL) | SIEGENIA |
| 32 | 1 | FAIB817339 | COVER CAP K 1 RAL8019 (ZINC CHRMT'D STEEL) | SIEGENIA |
| 33 | 2 | HAD-4366 | MUNTIN TEE (EXTRUDED ALUMINUM 6063-T6) | ZELUCK |
| 34 | 1 | R 12.15 T | WATER BAR (EXTRUDED ALUMINUM 6063-T6) | ZELUCK |
| 35 | 2 | R 12.15 TEC | WATER END CAP (NEOPRENE) | BMP |
| 36 | 1 | F 1153 | SASH WEATHERSTRIPPING (NEOPRENE) | BMP |
| 37 | 1 | MDCE Z/445 28X70 | WINDOW HANDLE (SOLID BRASS) | - |

TYPICAL WOOD-HONDURAS MAHOGANY LUMBER
 SPECIFIC GRAVITY = 0.45 MIN.
 GRADE = 2 MIN.
 MOISTURE CONTENT = 19% MAX.

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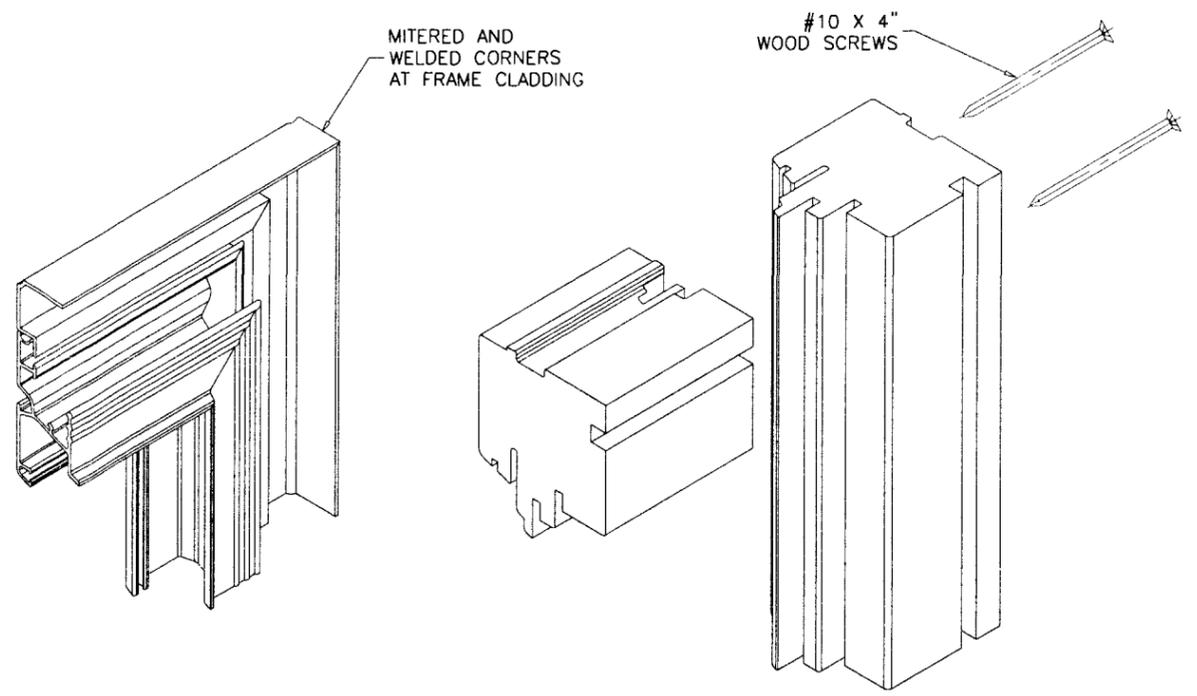
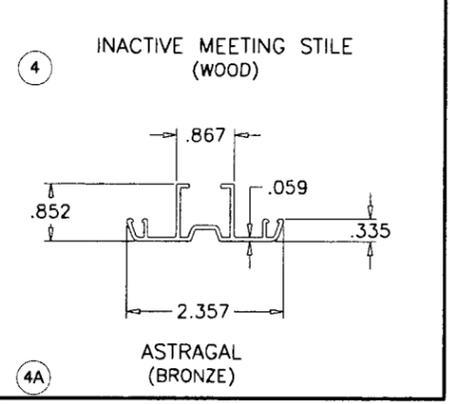
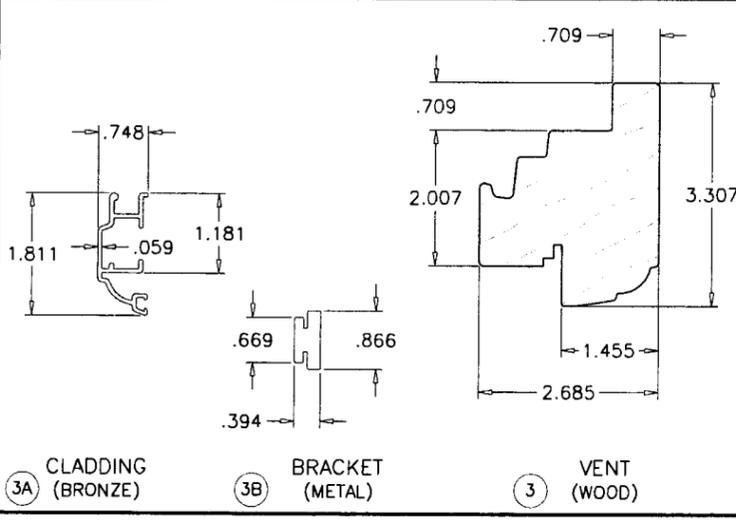
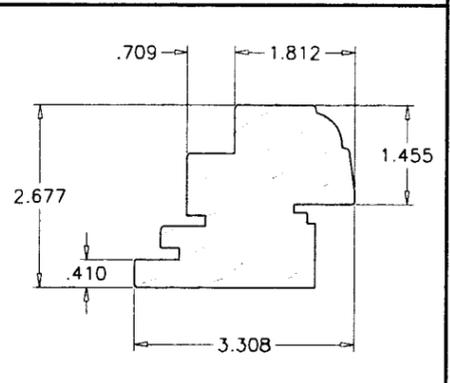
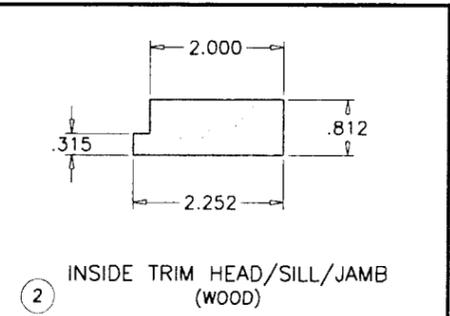
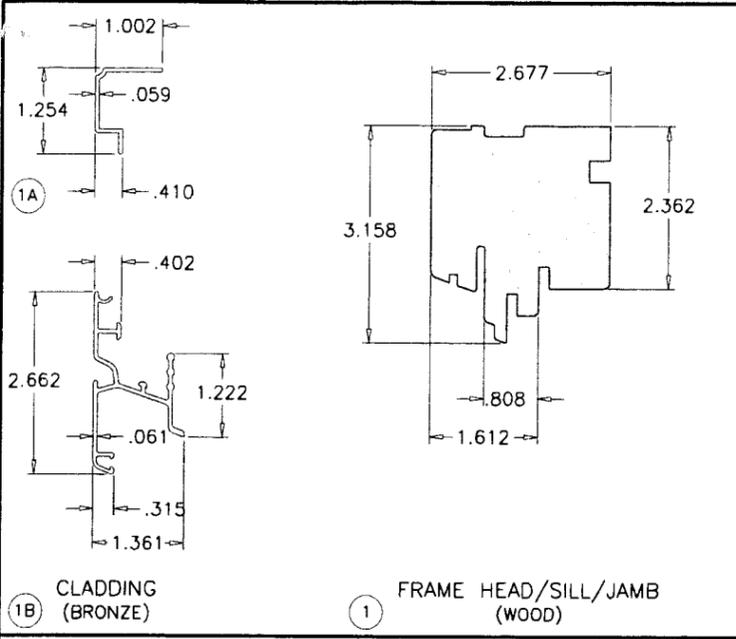
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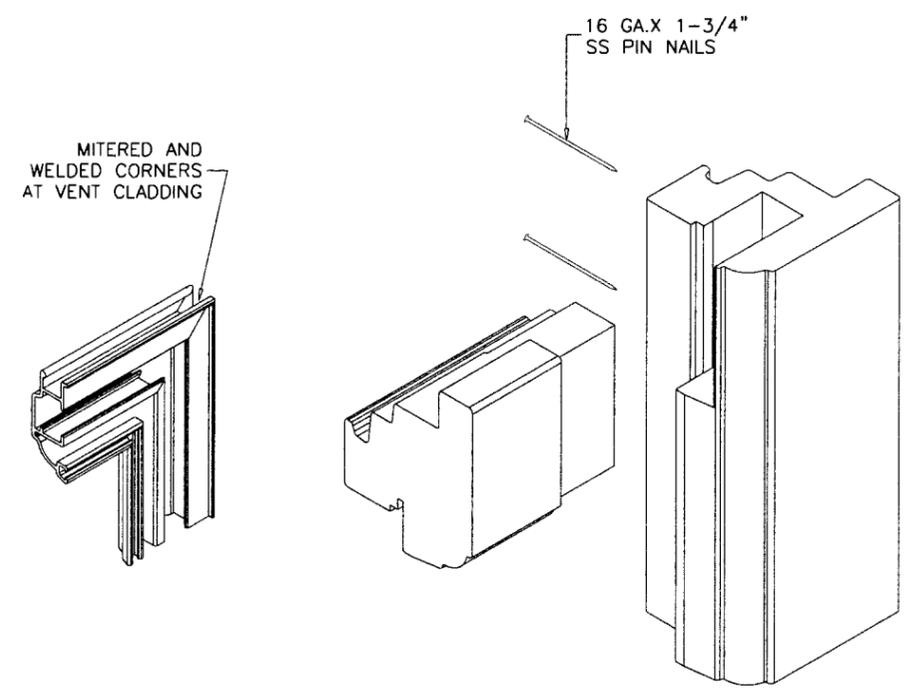
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date: 10-05-07
 scale: 3/8" = 1"
 dr. by: HAM/D
 chk. by:
 drawing no.
W07-75
 sheet 4 of 5



FRAME CORNER



VENT CORNER

Engr: ARSHAD VIQAR
 CIVIL
 FLA. PE # 38863
 C.A.N. 3538

Arq

JUL 02 2009

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sheet 5 of 5