



**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-H4220 European" Outswing Wood Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W08-07**, titled "FA-H4220 European Wood Casement Wdw.", sheets 1 through 5 of 5, dated 01/16/08, 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. 09-0806.05
Expiration Date: November 18, 2014
Approval Date: November 18, 2009
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W08-07**, Sheets 1 through 5 of 5, titled "FA-H4220 European Wood Casement Wdw.", dated 01/16/08, 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 202-94along with marked-up drawings and installation diagram of model H4220 European outswing, wood casement windows mulled together, prepared by Architectural Testing, Test Report No. **ATI-55587.05-122-18**, dated 08/16/07, with revision #7 dated 06/04/09, 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 6/10/09, 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 IIIIG Clear or colored Interlayer**" dated 05/04/06, expiring on 05/21/11.

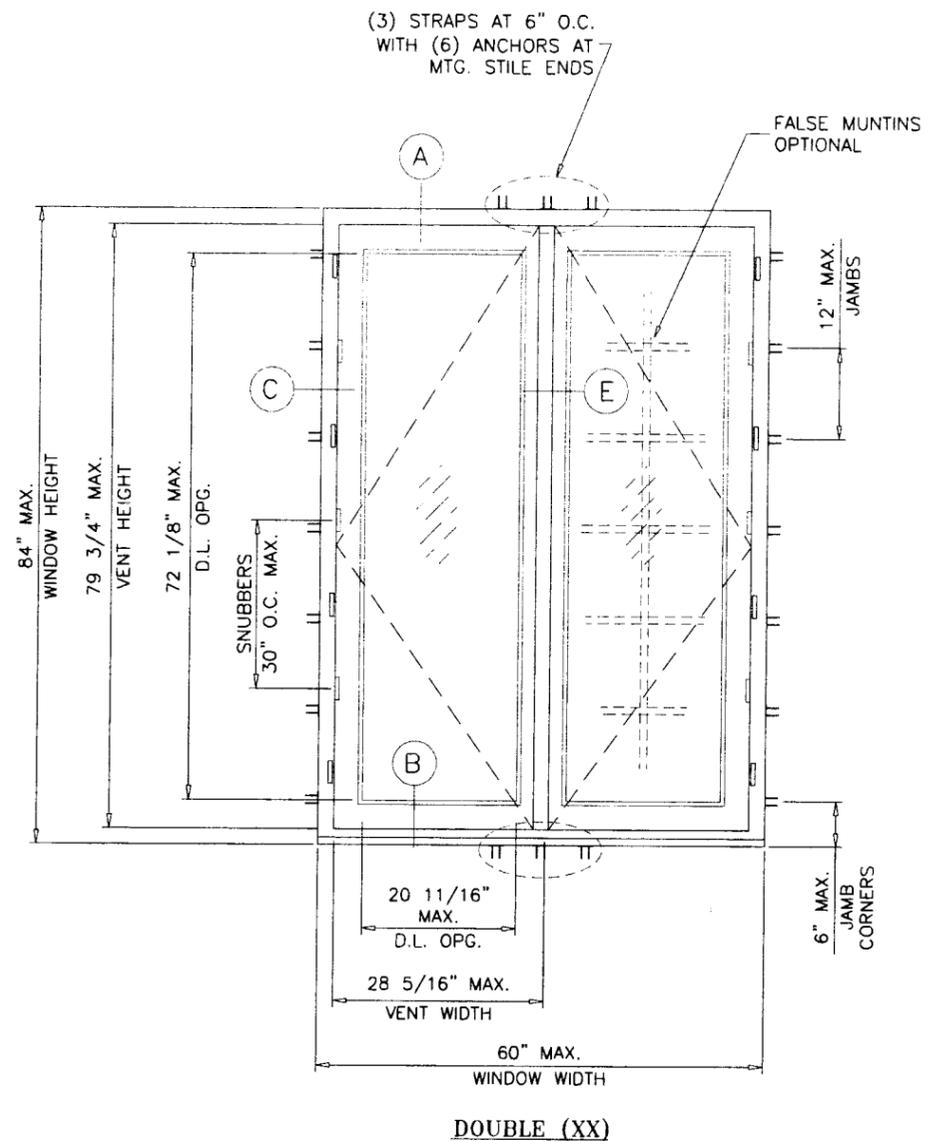
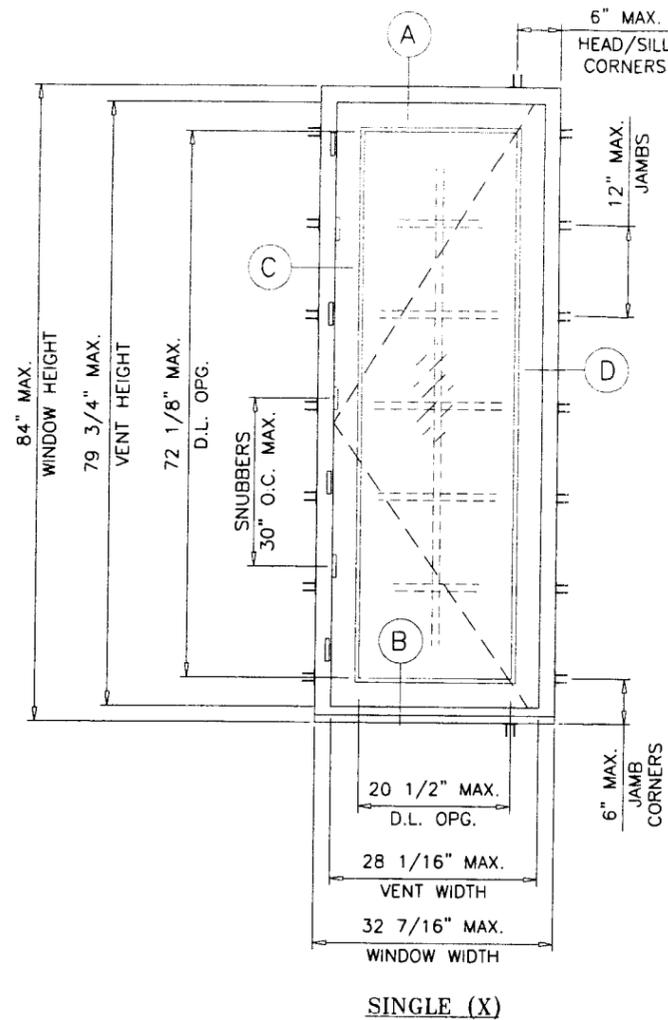
F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated June 10, 2009, signed and sealed by Arshad Viqar, P.E.
2. 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. 09-0806.05
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TYPICAL ELEVATIONS

SERIES FA-H4220
OPEN OUT EUROPEAN WOOD 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 = + 60.0 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

JUN 30 2009

Approved as complying with the Florida Building Code
 Date Nov. 18, 2009
 NOA# 09-0806.05
 Miami Dade Product Control
 Division
 By *Manuel Perez*

afC
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W08-07FA

FA-H4220 EUROPEAN WOOD CASEMENT WDW.
FENESTRA-AMERICA
 25 PRESTON COURT
 BROOKLYN, NY 11234
 TEL. (718) 251-7387 FAX. (718) 531-2564

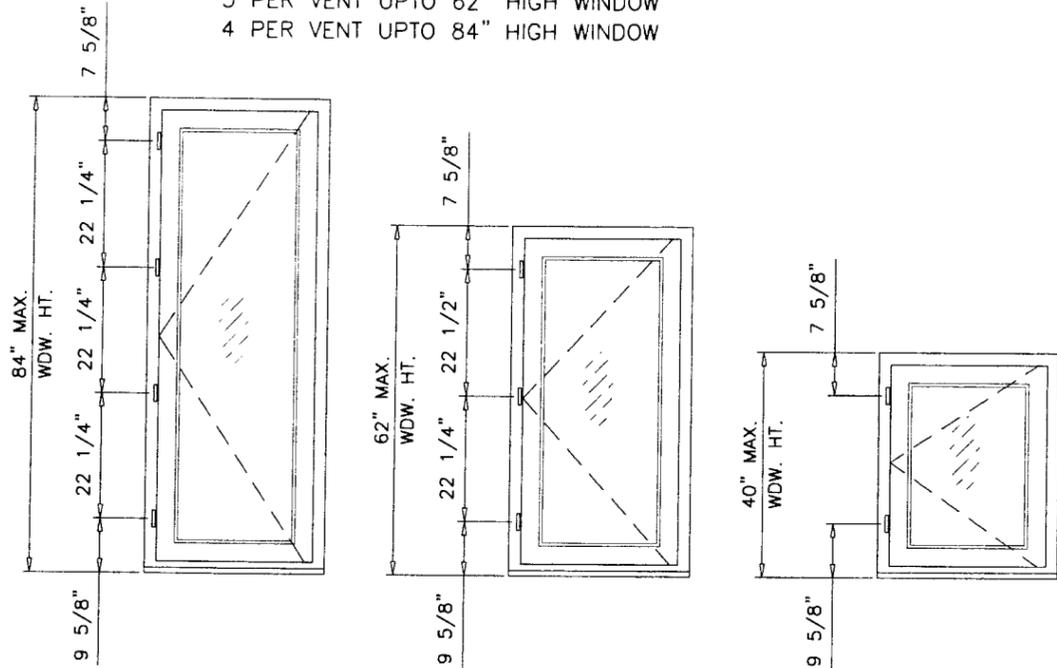
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 dr. by: HAMID
 chk. by:

drawing no.
W08-07

HINGES

- 2 PER VENT UPTO 40" HIGH WINDOW
- 3 PER VENT UPTO 62" HIGH WINDOW
- 4 PER VENT UPTO 84" HIGH WINDOW

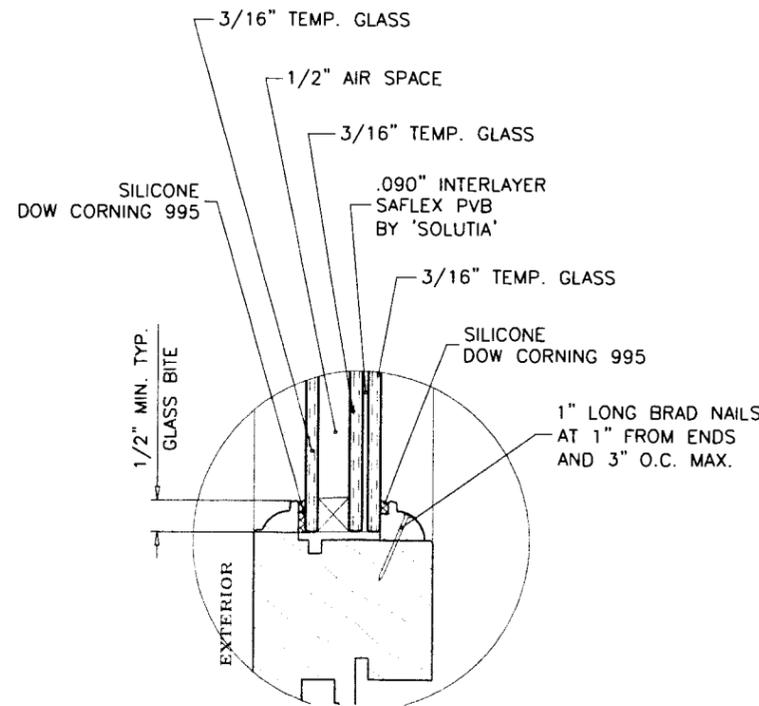


LOCKS:

- 5 POINT LOCK SYSTEM WITH KEEPERS BY 'SIEGENIA'
 SURFACE MOUNT ACTIVATING HANDLE AT 20" FROM BOTTOM
- (1) KEEPER AT HEAD, AT 3" FROM JAMB OR LOCK STILE CORNER
 - (1) KEEPERS AT SILL, AT 3" FROM JAMB OR LOCK STILE CORNER
 - (3) KEEPERS AT JAMB OR LOCK STILE, AT 3", 25" AND 65" FROM BOTTOM

ITEM #	REQD.	PART NO.	DESCRIPTION	REMARKS/SUPPLIER
1	4	-	FRAMING MEMBER (WOOD)	-
2	AS REQD.	-	FRAME INSIDE TRIM (WOOD)	OPTIONAL
3	1/ VENT	-	VENT TOP RAIL (WOOD)	-
4	1/ VENT	-	VENT BOTTOM RAIL/JAMB STILE (WOOD)	-
5	1/ VENT	-	ACTIVE MEETING STILE (WOOD)	-
6	1/ VENT	-	INACTIVE MEETING STILE (WOOD)	-
7	1/ VENT	-	ASTRAGAL (WOOD)	-
8	4/ VENT	-	GLAZING STOP (WOOD)	-
9	AS REQD.	-	WEATHER STRIP (NEOPRENE)	-
10	SEE SHEET 2	-	MULTI POINT LOCK	-
11	1/ VENT	8776579	LOCKING GEAR 15MM BACKSET (ZINC CHRMT'D STEEL)	SIEGENIA
12	2/ VENT	8776519	GEAR EXTENSION WITH ONE ROLLING PIN (ZINC CHRMT'D STEEL)	SIEGENIA
13	2/ VENT	8777791	CORNER TRANSMISSION WITH TWO ROLLING PINS (ZINC CHRMT'D STEEL)	SIEGENIA
14	1/ VENT	8777347	SI FRICTION STAY W/ SS ARM	SIEGENIA
15	14	8777543	ROLLING PIN KEEPER (ZINC CHRMT'D STEEL)	SIEGENIA
16	SEE SHEET 2	E01165.14.01	SCREW-IN TYPE ADJUSTABLE HINGE 14MM DIA. X 4 (ST. STEEL)	SIEGENIA
17	AS REQD.	8777351	METAL SNUBBER (ZINC CHRMT'D STEEL)	SIEGENIA
18	AS REQD.	8777675	METAL KEEPER FOR SNUBBER (ZINC CHRMT'D STEEL)	SIEGENIA
19	1/ VENT	MDCE Z/445	WINDOW HANDLE (SOLID BRASS)	ZELUCK
20	AS REQD.	F1131	SASH WEATHERSTRIPPING-PERIMETER (EPDM)	BMP
21	AS REQD.	F 1149	SASH WEATHERSTRIPPING-TOP RAIL (EPDM)	BMP
22	1/ VENT	8777675	LINKAGE SIZE 2 (ZINC CHRMT'D STEEL)	SIEGENIA
23	1/ VENT	Z-SK-SS-00	WINDOW STAY KEEPER (ZINC CHRMT'D STEEL)	ZELUCK
24	1/ VENT	JZ 76320	WINDOW STAY KEEPER (ZINC CHRMT'D STEEL)	ZELUCK
25	1/ VENT	JZ5	SNAP ON C - RING FOR KEEPER (ZINC CHRMT'D STEEL)	SIEGENIA
26	1/ VENT	6831-1489	HANDLE SPINDLE (ZINC CHRMT'D STEEL)	SIEGENIA
27	1/ VENT	DZ84	90 DEGREE HANDLE LIMMITER (ZINC CHRMT'D STEEL)	SIEGENIA
28	AS REQD.	-	CORRUGATED STEEL FASTENERS	AT 3" FROM ENDS

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



GLAZING DETAIL
 1-1/8" OVERALL
 LAMINATED INSULATING GLASS

Engr: ARSHAD VIQAR
 CIVIL
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 C.A.N. 3538

Arshad Viqar

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 Manual Date Product Control
 By *Manuel Pro*



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FA-H4220 EUROPEAN WOOD CASEMENT WDW.

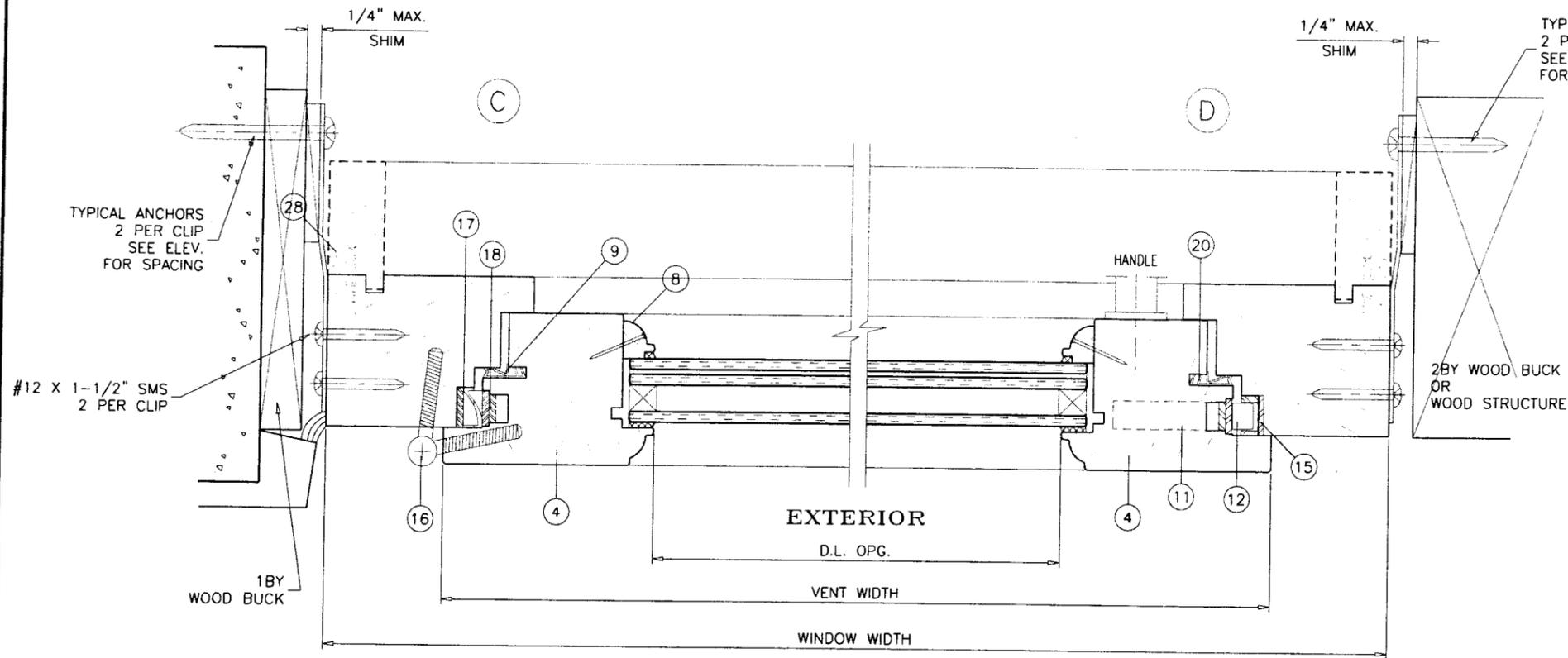
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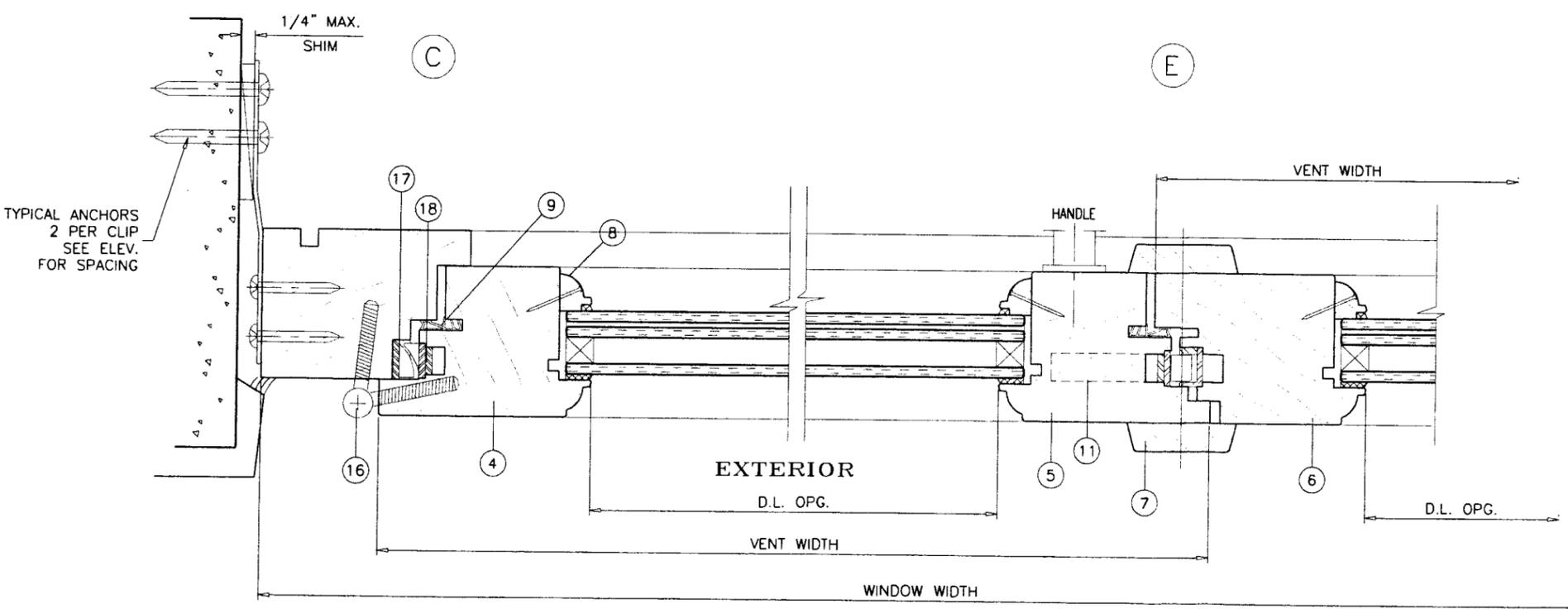
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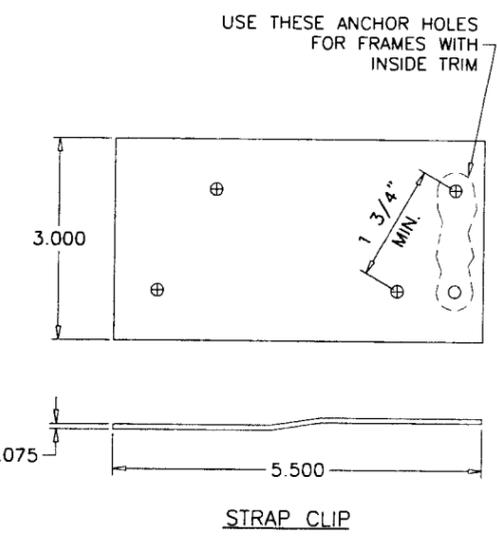
sheet 2 of 5



SINGLE (X)



DOUBLE (XX)



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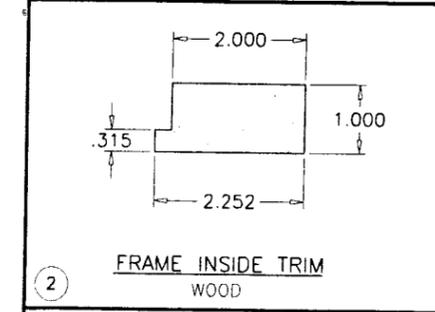
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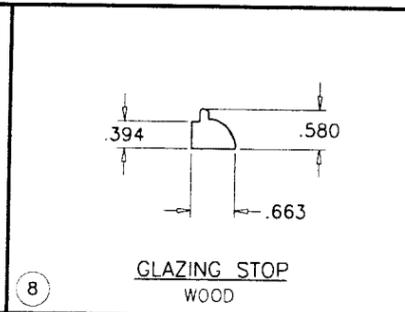
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 chk. by:

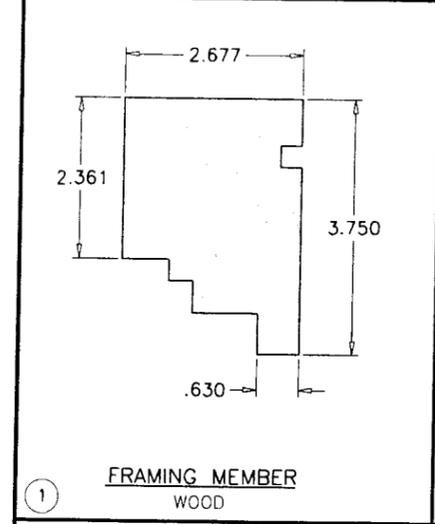
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W08-07
 sheet 4 of 5



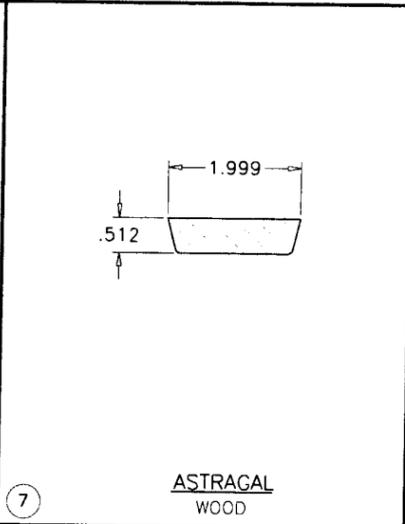
2 FRAME INSIDE TRIM
WOOD



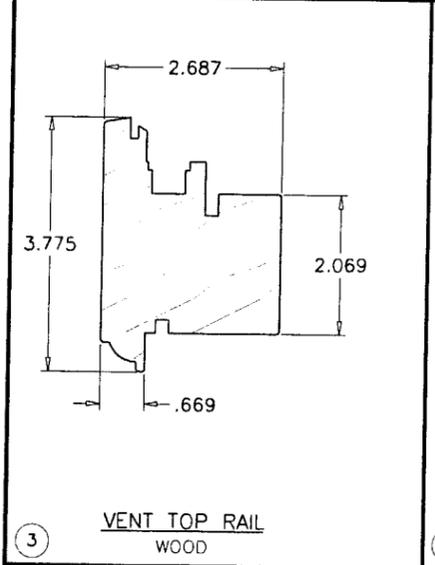
8 GLAZING STOP
WOOD



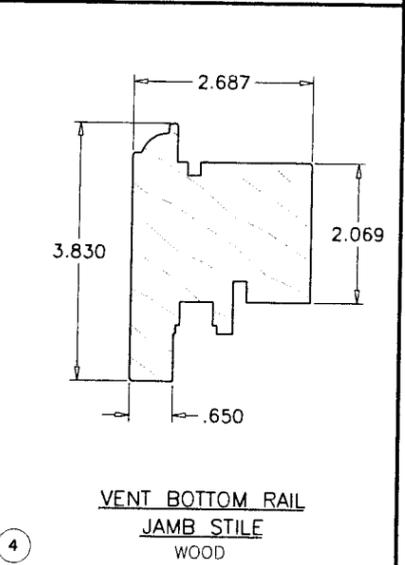
1 FRAMING MEMBER
WOOD



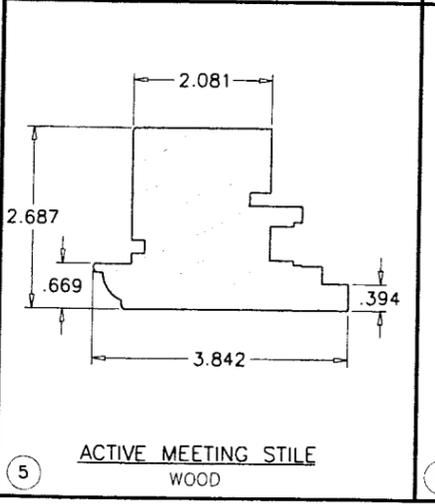
7 ASTRAGAL
WOOD



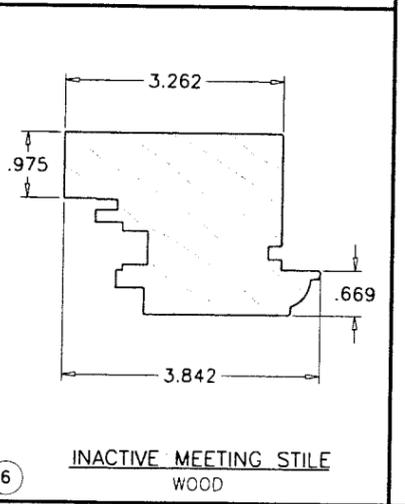
3 VENT TOP RAIL
WOOD



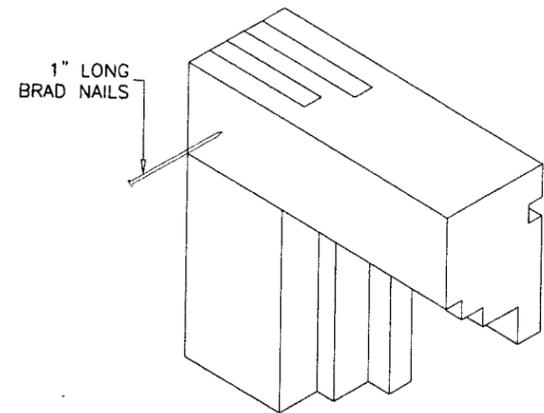
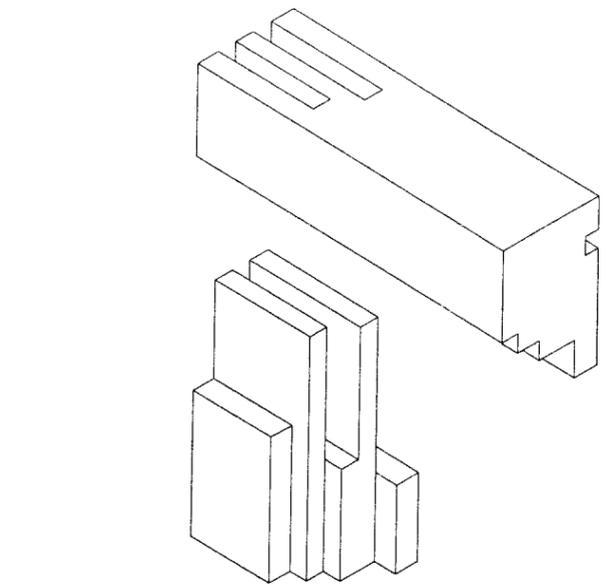
4 VENT BOTTOM RAIL
JAMB STILE
WOOD



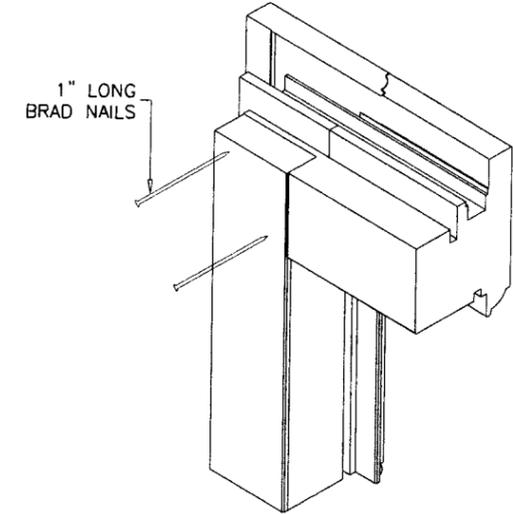
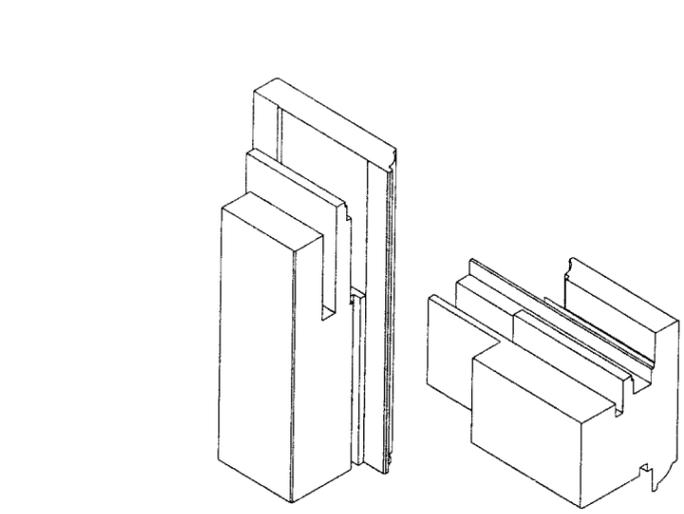
5 ACTIVE MEETING STILE
WOOD



6 INACTIVE MEETING STILE
WOOD



FRAME CORNER



VENT CORNER

FRAME AND VENT CORNERS SEALED/GLUED WITH
'PHENYL RESORCINOL' WATER PROOF ADHESIVE

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sheet 5 of 5

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