



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.maimidade.gov/buildingcode

Tradewood Windows and Doors, Inc.
7 Wright Street
St. Catharines, Ontario, Canada L2P 3J2

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 "HVHZ" Wood Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **08-142**, titled "Fixed Window – Mahogany Fixed Window Large and Small Missile Impact Rate", sheets 1 through 4 of 4, dated 06/29/08, prepared by EngCo, Inc., dated 10/27/08, signed and sealed by Pedro De Figueiredo, 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 Missile Impact Resistant

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 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. 08-0820.13
Expiration Date: November 27, 2013
Approval Date: November 27, 2008
 Page 1

Tradewood Windows and Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **08-142**, Sheets 1 through 4 of 4, titled "Fixed Window – Mahogany Fixed Window, Large and Small Missile Impact rated", dated 06/29/08, prepared by EngCo, Inc., dated 10/27/08, signed and sealed by Pedro De Figueiredo, 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 wood fixed window, prepared by ETC Laboratories, Test Report No. **ETC-07-1001-204171.0**, dated 04/23/08, with addendum letter dated 10/30/08, all signed and sealed by Joseph Labora Doldan, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004 and 2007, prepared by EngCo, Inc., dated 6/29/08, signed and sealed by Pedro De Figueiredo, P.E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont SentryGlas ® Plus**" dated 01/03/08, expiring on 01/14/12.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated July 8, 2008, signed and sealed by Pedro De Figueiredo, P.E.
2. Test Proposal # **08-0237**, dated 03/19/08 approved by BCCO, Product Control Division, signed by Ishaq Chanda, P.E.

G. OTHERS

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0820.13
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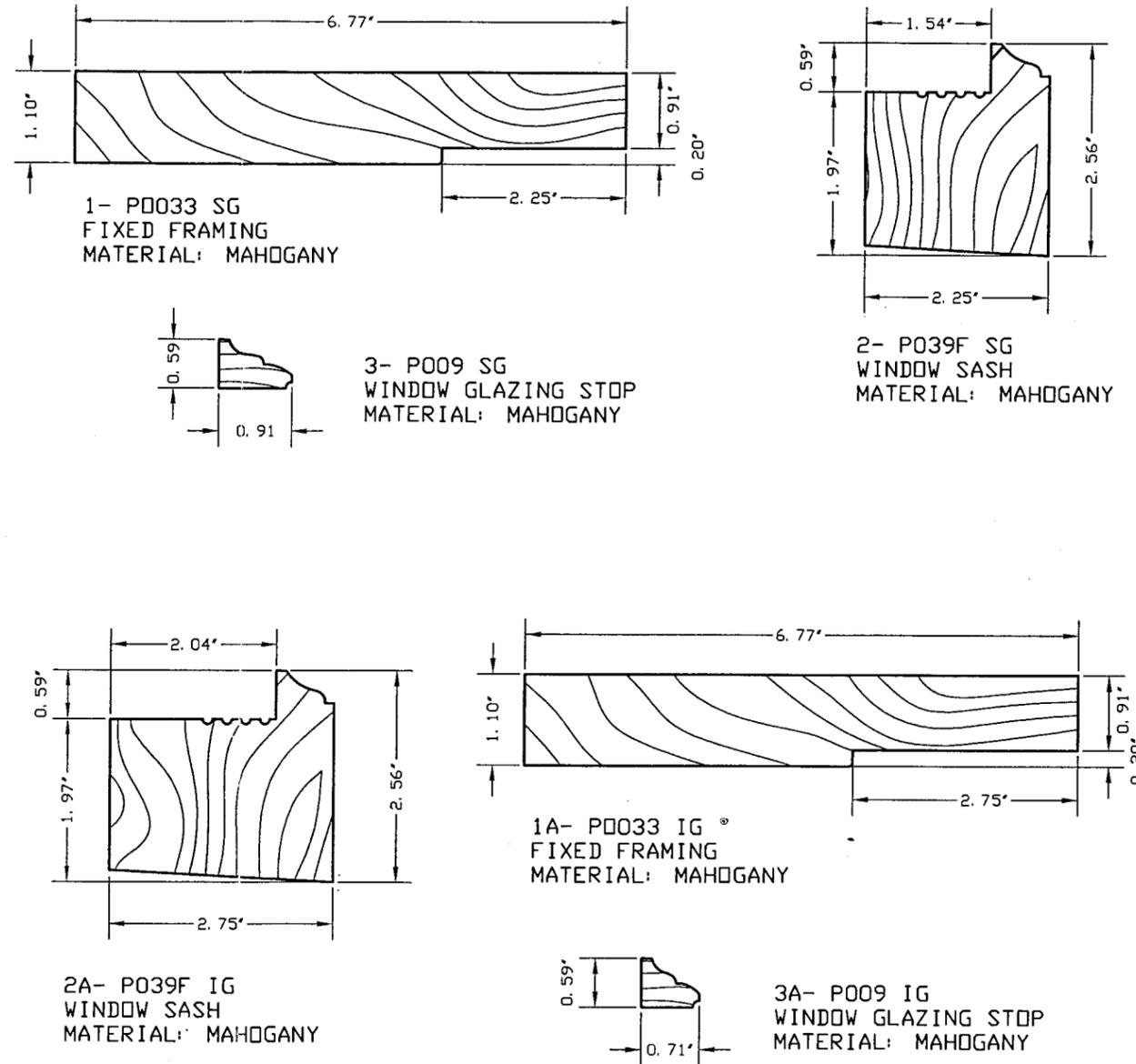
INDEX:

SHEET	DESCRIPTION
1 of 4	GENERAL NOTES AND FRAMING COMPONENTS
2 of 4	TYPICAL ELEVATIONS, FRAMING DESIGN RATING AND ANCHORAGE
3 of 4	SECTION DETAILS
4 of 4	GLAZING SPECIFICATIONS AND WINDOW ASSEMBLY

GENERAL NOTES:

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007 INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS A MAHOGANY WOOD FIXED TYPE WINDOW DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (LARGE MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL.
- 3- POSTING:
 - * TRADEWOOD WINDOWS AND DOORS INC.
ONTARIO - CANADA
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED*
- 4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE WINDOW PRESSURE.
- 5- MATERIAL: GLAZING TO BE IMPACT LAMINATED GLASS AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR QUANTITY & SPACING MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
 - 7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
 - 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
 - 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.
- 9- DISSIMILAR MATERIALS: MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2007 FLORIDA BUILDING CODE.
- 10- WOOD SPECIES: ALL WOOD PARTS SHALL BE TRUE MAHOGANY WITH THE MINIMUM SPECIFIC GRAVITY OF G=0.45 OR ANY NATURALLY DURABLE WOOD IN COMPLIANCE WITH THE MINIMUM GRADE 2 AND THE SPECIFIC GRAVITY GREATER THAN G>0.45.
- 11- PROTECTION: ALL WOOD IN CONTACT WITH MASONRY AND/OR WITH CONCRETE, ETC., SHALL BE TREATED AND PROTECTED PER FLORIDA BUILDING CODE SECTIONS 2411.3.3.3, 2326.2, ETC. USING 'ENVIRON END SEALER' ACRYLIC URETHANE WATER REPELLENT WOOD PRESERVATIVE AS MANUFACTURED BY PPG INDUSTRIES, INC.

WINDOW COMPONENTS



ARCHITECTURAL WOOD
WINDOWS & DOORS
7 WRIGHT STREET,
ST. CATHARINES, ONTARIO
CANADA, L2P 3J2
T.Free: (800) 410-0268
Phone: (905) 641-4949
Fax: (905) 641-2340

PRODUCT:
FIXED WINDOW
MAHOGANY FIXED WINDOW
LARGE & SMALL MISSILE
IMPACT RATED

Engineering:
EngCo Inc.
CA 8116
6971 W. Sunrise Blvd. 104
Plantation, FL 33313
ENGCO@AOL.COM

OCT 7 2008
Engineer Seal
Pedro De Figueiredo
PE 52609

DRAFTING:
PK DRAFTING & MORE

MIAMI-DADE BCCO:

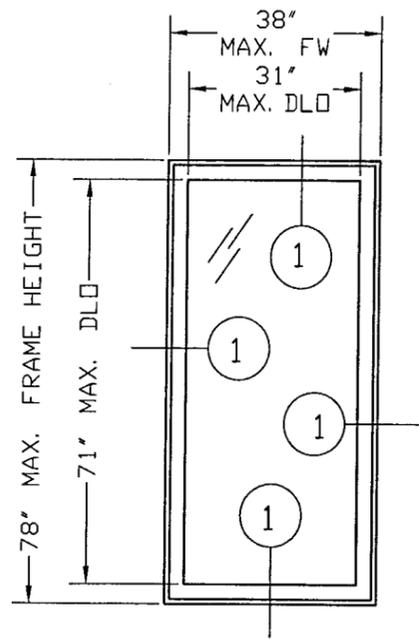
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Date 11/27/2008
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Miami Dade Product Control
Division
By *Manuel P...*

Date: 06/29/08
Scale: NA
Design by: PPMF

Drawing Number
08-142

SHEET
1 of 4

TYPICAL ELEVATIONS AND DESIGN RATING



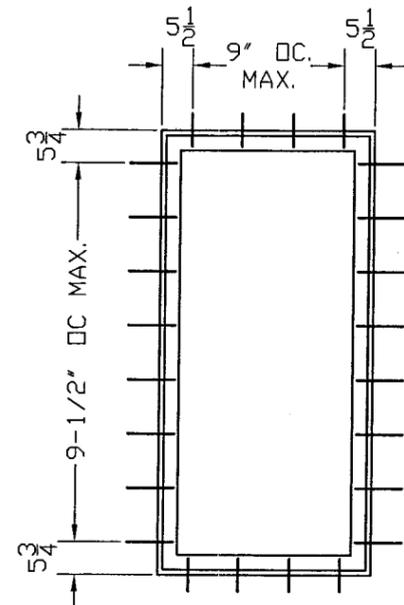
SINGLE MODULE
MAX. DESIGNED RATE: Pd= ±75 PSF

TABLE 1 - ALTERNATE SIZES

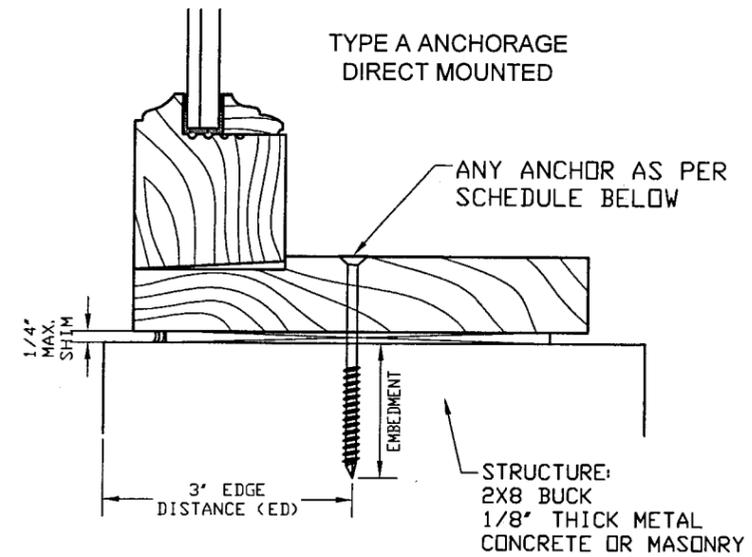
FW	FH	DESIGN PRESSURE Pd
38	38	±75
	44	±75
	50	±75
	56	±75
	62	±75
	68	±75
44	38	±75
	44	±75
	50	±75
	56	±75
	62	±75
	66	±75
50	38	±75
	44	±75
	50	±75
	56	±75
	58	±75
	62	±75
54	38	±75
	44	±75
	50	±75
	54	±75
62	38	±75
	44	±75
	47	±75
68	38	±75
	43	±75
78	38	±75

NOTES:
1- WINDOWS CAN BE ROTATED
2- FW: FINISHED WIDTH
3- FH: FINISHED HEIGHT

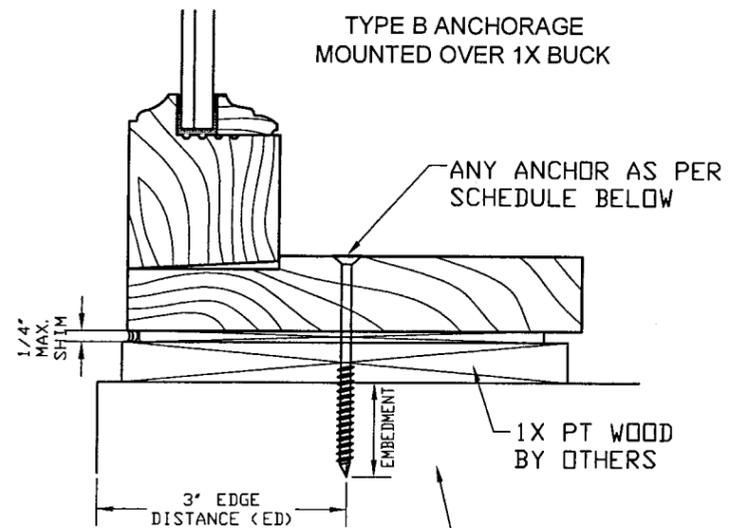
FRAMING ANCHORAGE LAY-OUT



TYPICAL ANCHORAGE DISTRIBUTION



TYPE A ANCHORAGE
DIRECT MOUNTED



TYPE B ANCHORAGE
MOUNTED OVER 1X BUCK

ANCHOR SCHEDULE:
1- 3/16" TAPCONS BY ITW W/ MIN. 1 1/4" EMBEDMENT INTO MASONRY BLOCK WALL OR CONCRETE WITH 3" EDGE DISTANCE
2- #10 SS WOOD SCREWS W/ MIN. 1 1/2" EMBEDMENT INTO MIN. 2X8 PT WOOD BUCK (SG)=.55) WITH 3" EDGE DISTANCE.
3- #10-16 SS SMS INTO MIN. 1/8" METAL STRUCTURE (6063-T6 ALUMINUM ASTM A36 STEEL)



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7 WRIGHT STREET,
ST.CATHARINES,ONTARIO
CANADA, L2P 3J2
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Plantation, Fl. 33313
ENGCO@AOL.COM

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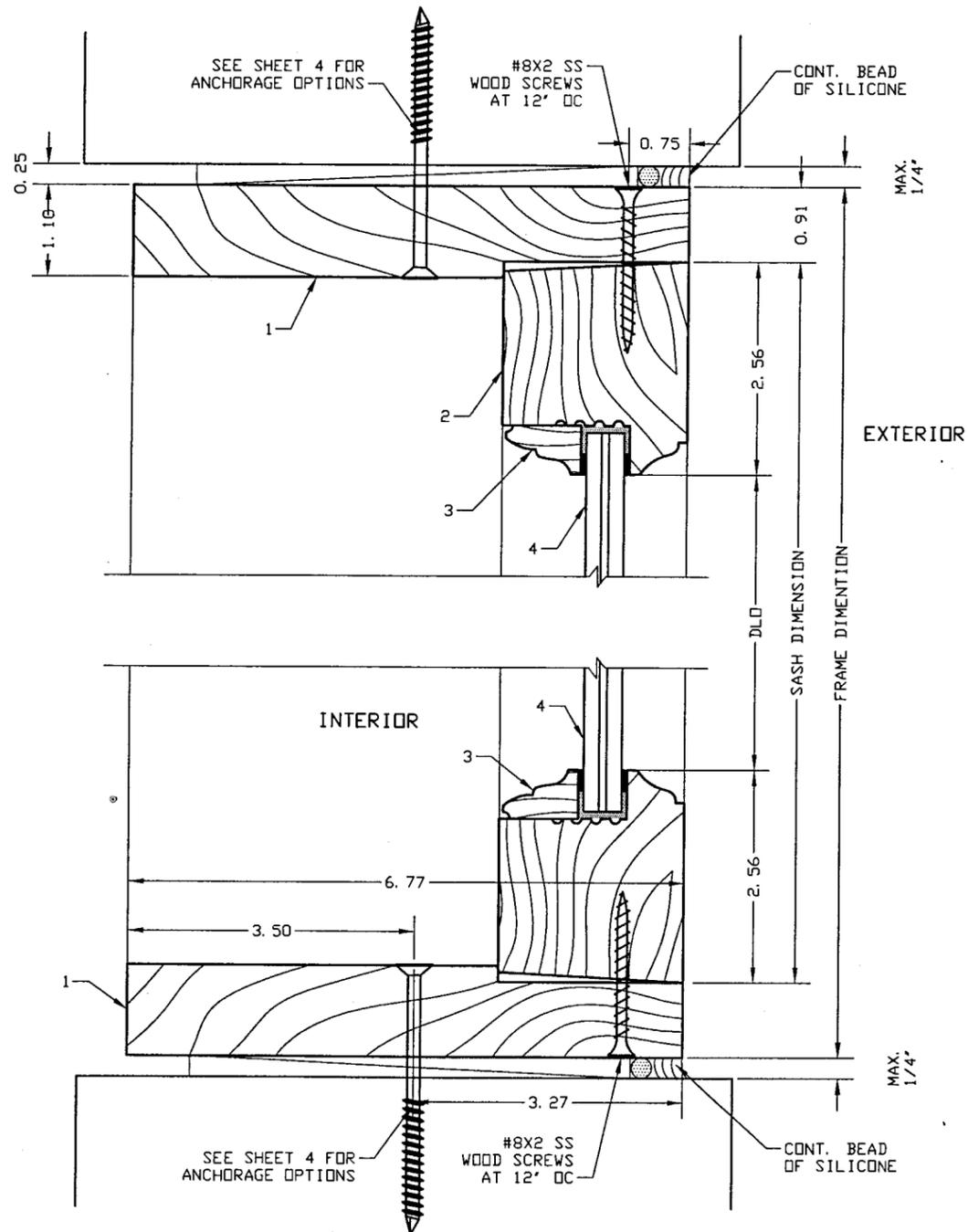
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Division
By: *[Signature]*

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Design by: PPMF

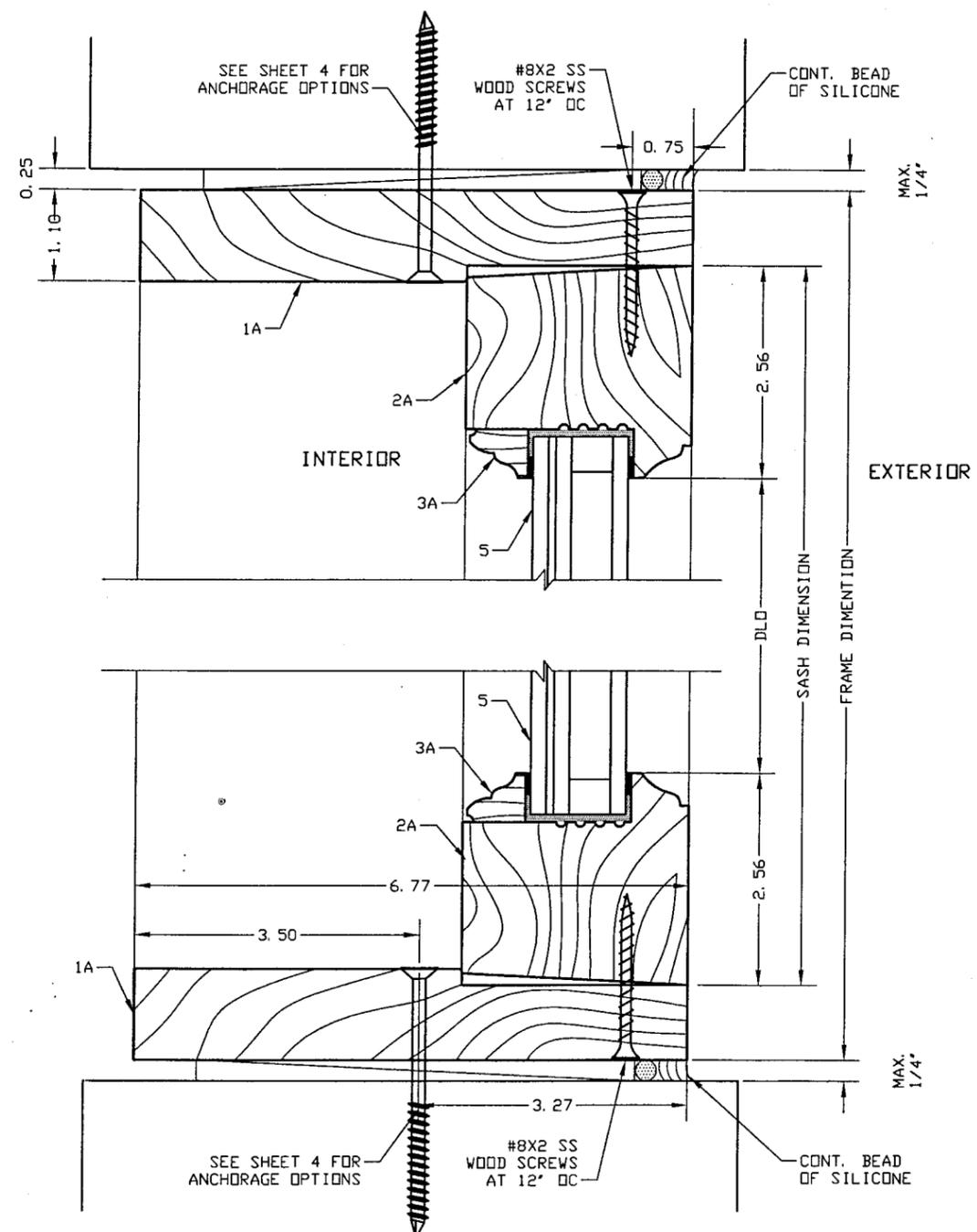
Drawing Number
08-142

SHEET
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TYPICAL SECTION
LAMINATED GLASS



TYPICAL SECTION
INSULATED GLASS



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7 WRIGHT STREET,
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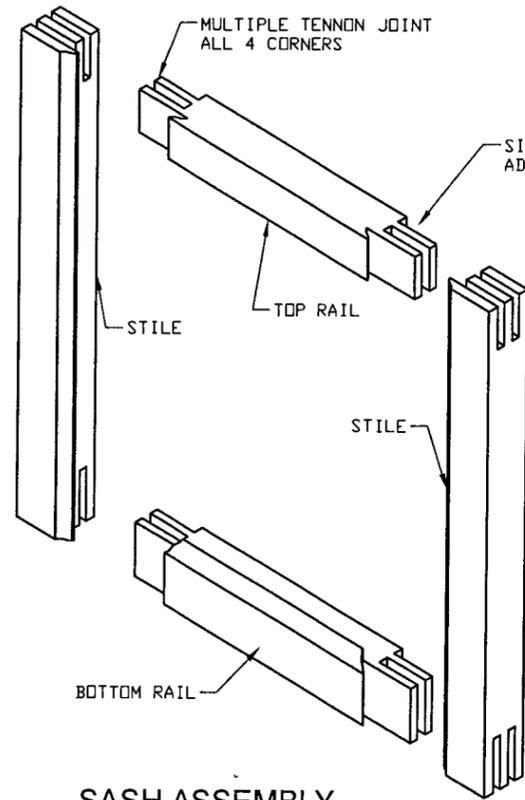
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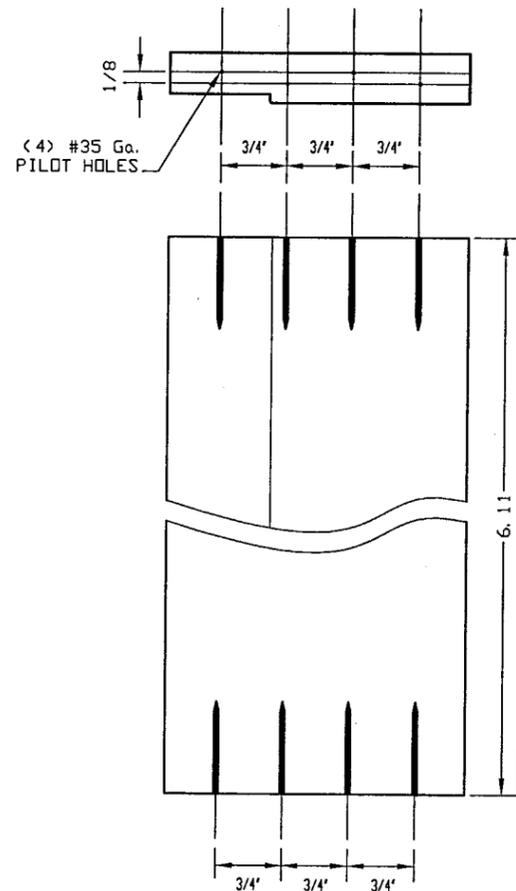
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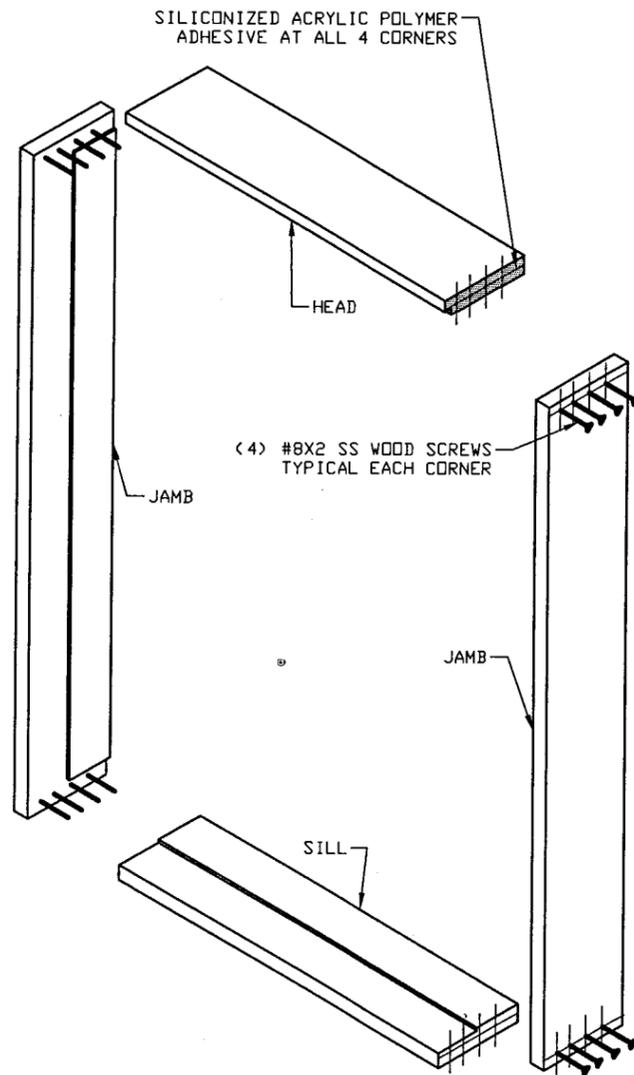
SHEET
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SASH ASSEMBLY

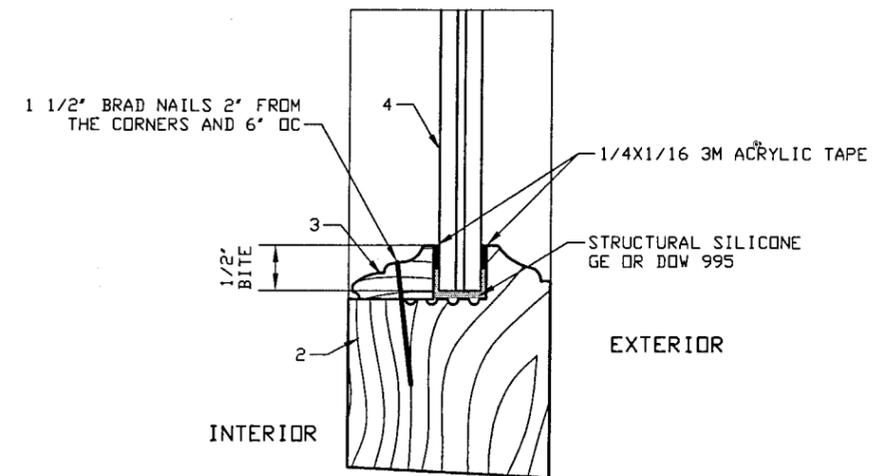
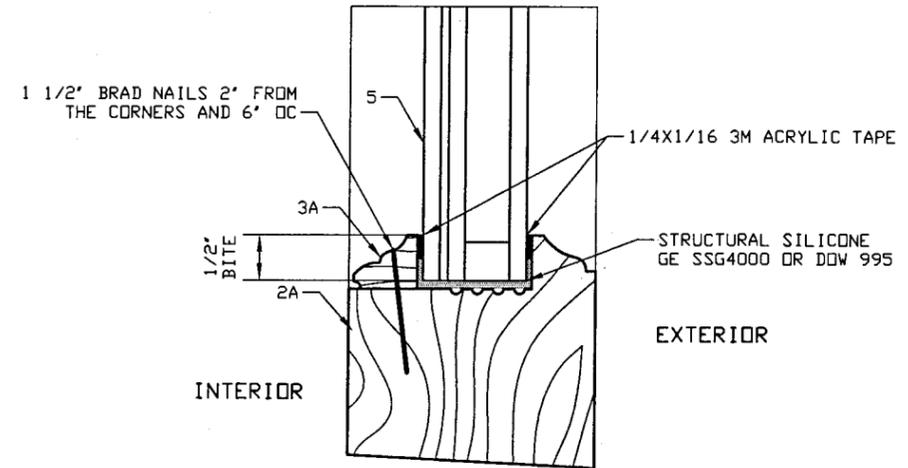


WINDOW ASSEMBLY



FRAMING ASSEMBLY

GLAZING SPECIFICATIONS



GLASS TYPE	OVERALL THICKNESS	LAMINATE IMPACT GLASS LITE				IG LITE		
		INNER LITE	TYPE	INTERLAYER	OUTER LITE	AIR GAP	EXT. LITE	GLASS TYPE
4	7/16"	3/16	ANNEAL	0.090" SGP	3/16	NA	NA	N
5	1 3/16"	3/16	ANNEAL	0.090" SGP	3/16	1/2	3/16	ANNEAL

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