



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
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Hamilton Safe Company
3143 Production Drive
Fairfield, OH 45014

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: Bullet Resistant Drive-Up Steel Fixed Window - LMI

APPROVAL DOCUMENT: Drawing No. **W05-47**, titled "Bullet Resistant Drive-Up Steel Fixed Window.(L.M.I.)", sheets 1 through 4 of 4, dated 09/16/05, prepared by Al- Farooq Corporation, signed and sealed by 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: Large and Small 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 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.**



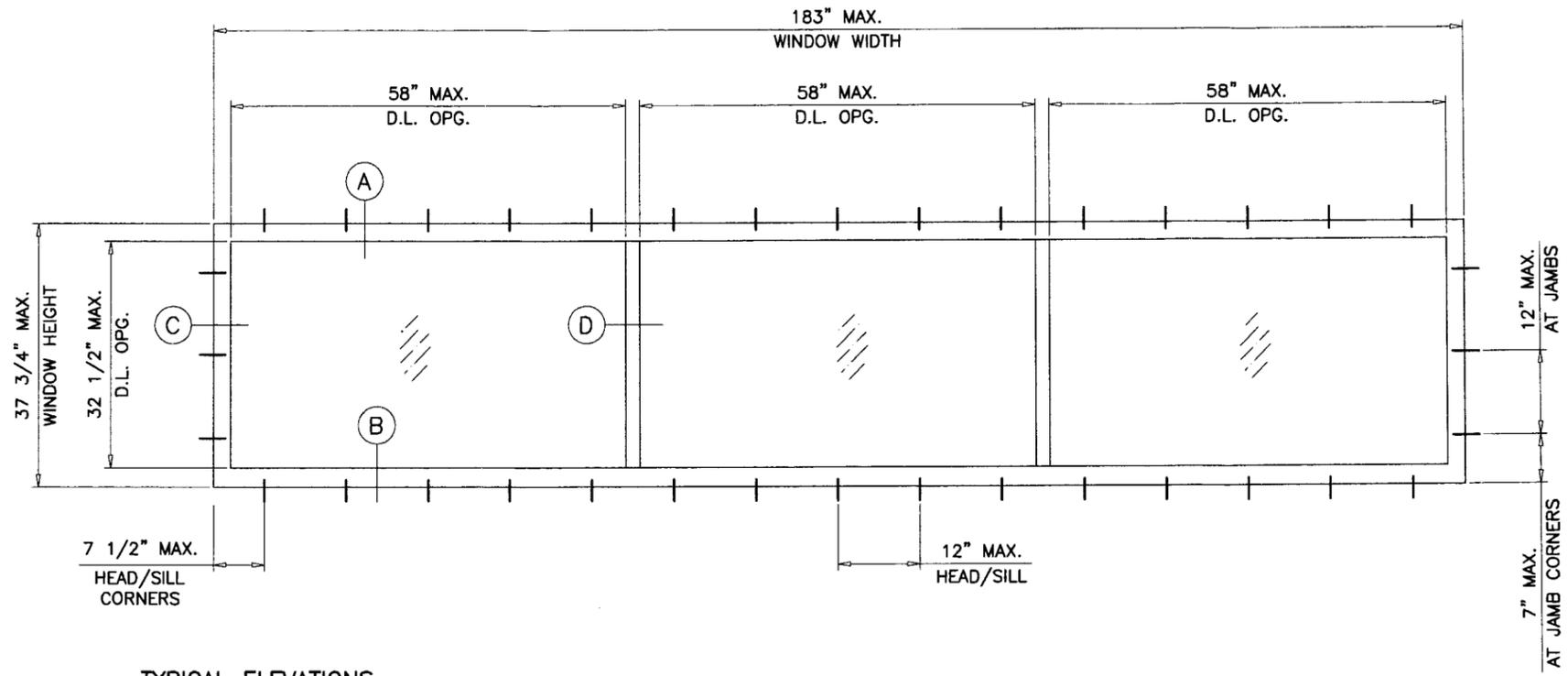
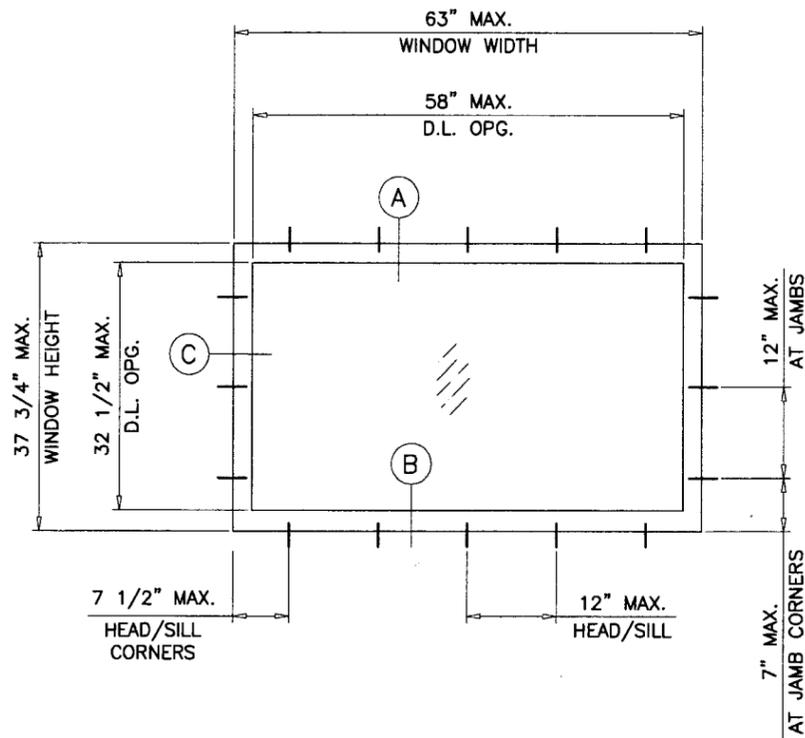
NOA No 05-1122.12
Expiration Date: April 6, 2011
Approval Date: April 6, 2006
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS**
 - 1. Manufacturer's die drawings and sections.
 - 2. Drawing No. **W05-47**, titled **Bullet Resistant Drive-Up Steel Fixed Window (L.M.I.)**, sheets 1 through 4 of 4, dated 09/16/05, prepared by Al Farooq Corporation, signed and sealed by 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, 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 TAS 202-94along with installation diagram of a Bullet Resistant Drive-Up Steel Fixed Window (L.M.I.), prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4690**, dated 08/18/05, signed and sealed by Edmundo J. Largaespada, P.E.
- C. CALCULATIONS**
 - 1. Anchor verification calculations complying with FBC-2004, dated 10/17/05, signed and sealed by Humayoun Farooq, 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. 00-1212.0403** issued to E.I. DuPont DeNemours for "DuPont Butacite PVB Material", dated 11/21/02, expiring on 12/11/05.
- F. STATEMENTS**
 - 1. Statement letter of code compliance, on 10/07/05, signed and sealed by Humayoun Farooq, P.E.
 - 2. Statement letter of no-financial interest on 11/16/05, signed and sealed by Sharon M. Carlson, P.E.
 - 3. Laboratory compliance letter for Test Report no. FTL-4690, issued by Fenestration Testing Laboratory, Inc., dated September 6, 2005, signed and sealed by Edmundo J. Largaespada, P.E.
- G. OTHER**
 - 1. None.

Manuel Perez, P.E.
Product Control Examiner
NOA No 05-1122.12
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TYPICAL ELEVATIONS

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

**BULLET RESISTANT
DRIVE-UP STEEL FIXED WINDOW**

MAXIMUM DESIGN LOAD RATING = + 75.0 PSF
(FOR SIZES 3'H X 5'W TO 3'H X 15'W) - 80.0 PSF

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

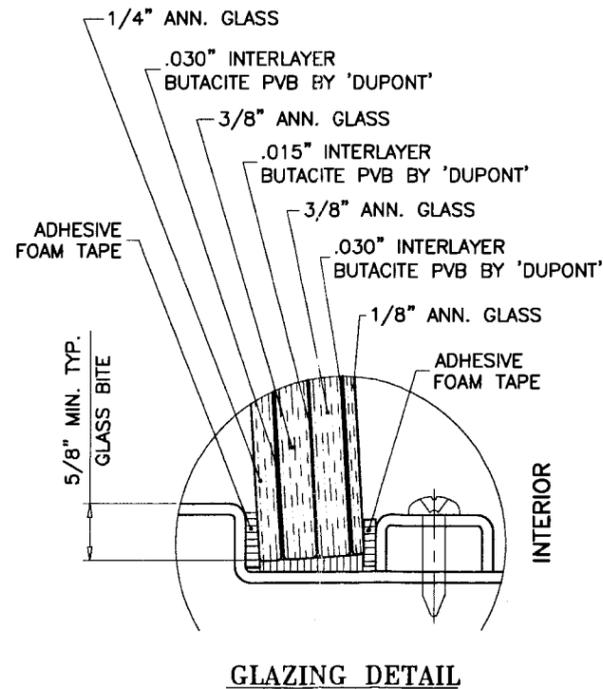
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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

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.



GLAZING DETAIL

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

NOV 01 2005

Approved as complying with the
Florida Building Code
Date APRIL 6, 2006
NOAH 05-1122.12
Miami Dade Product Control
Division
By: *Manuel Jery*

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL/W05-47HS

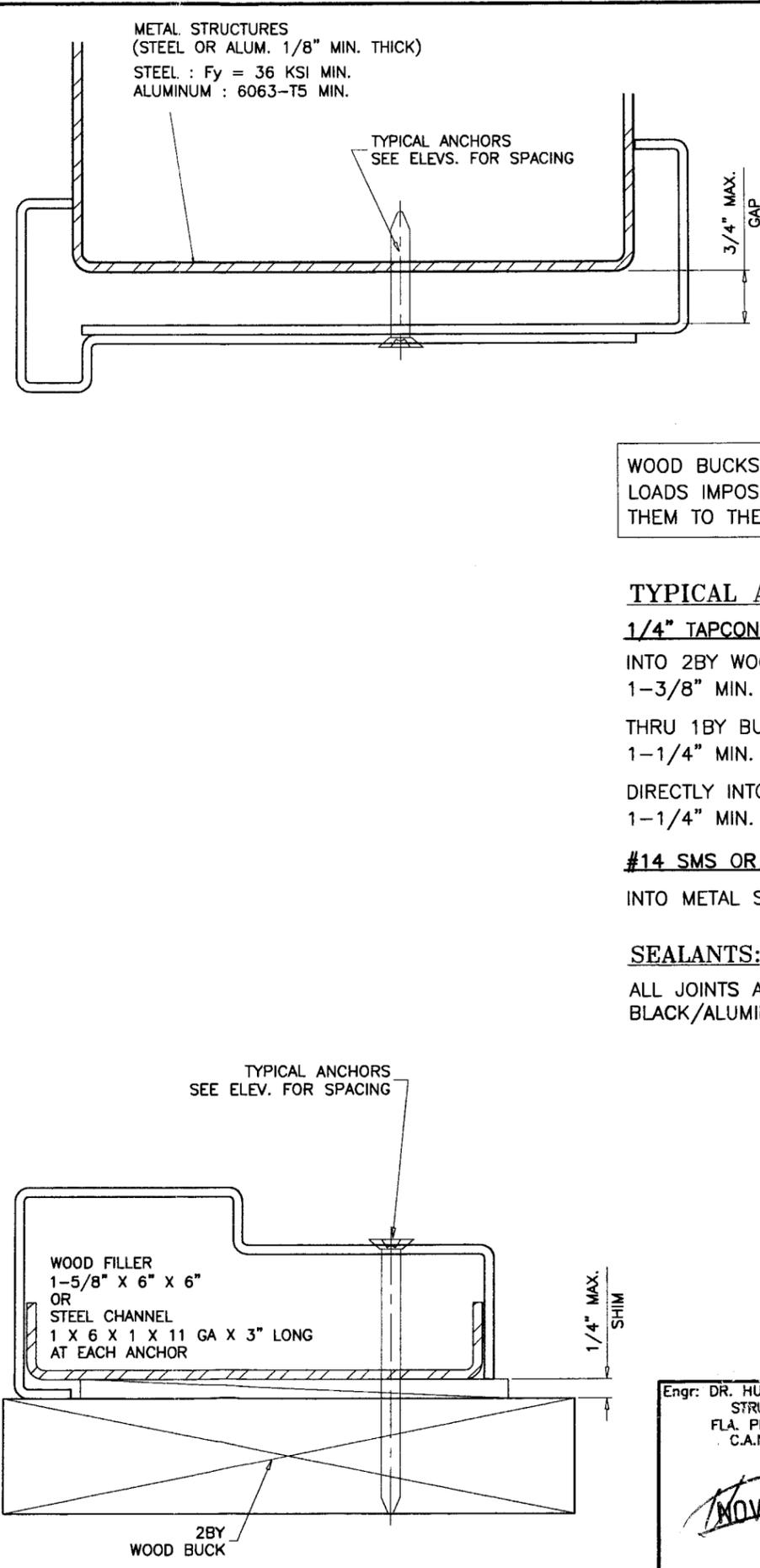
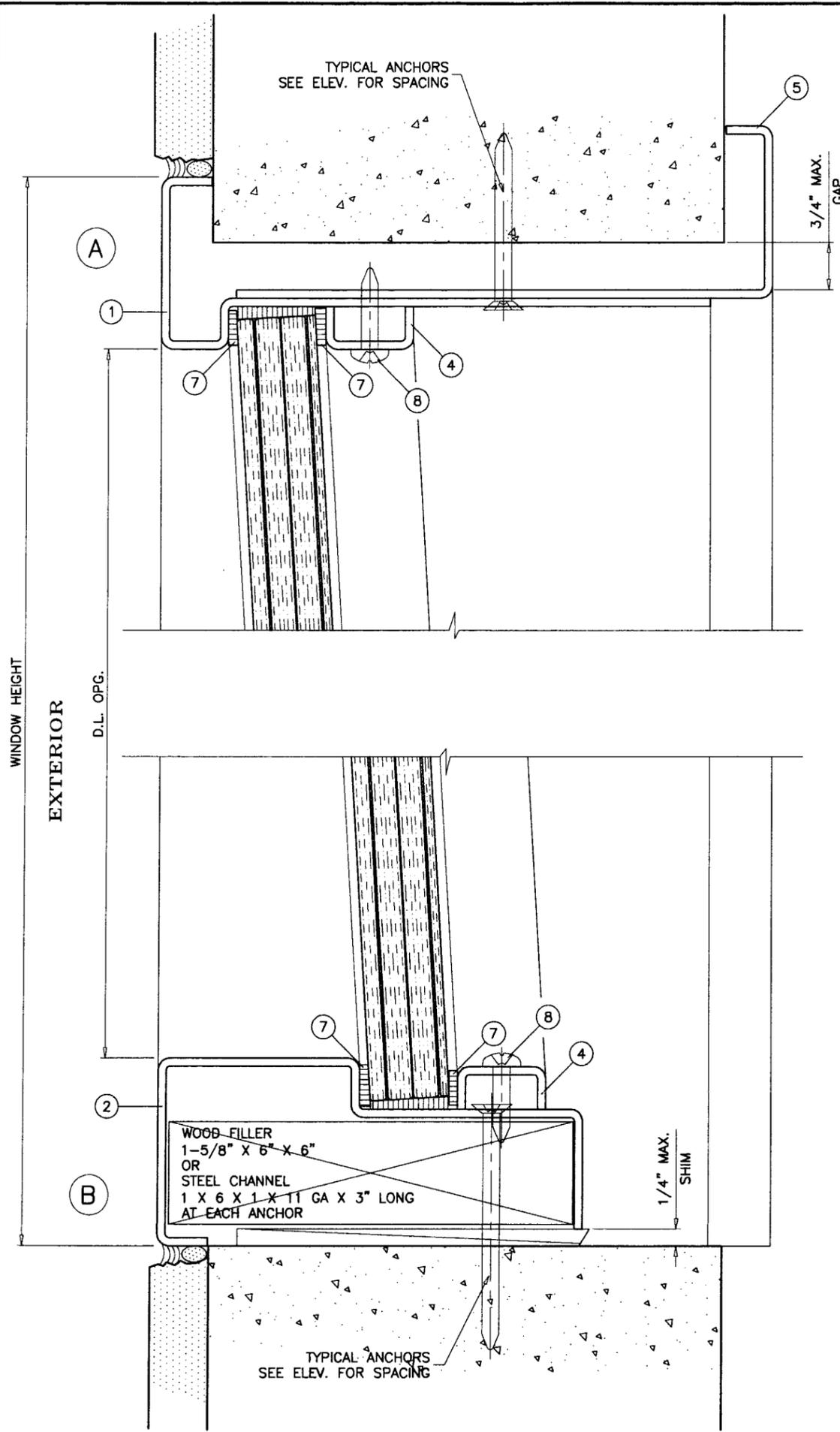
BULLET RESISTANT DRIVE-UP STEEL FIXED WDW. (L.M.I.)

HAMILTON SAFE
3143 PRODUCTION DRIVE
FAIRFIELD, OH. 45014
TEL. (513) 874-3733 FAX. (513) 874-3967

Revisions:	
no	date by description

date: 09-16-05
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W05-47
sheet 1 of 4



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" TAPCONS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 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
 INTO METAL STRUCTURES (1/8" MIN. THICKNESS)

SEALANTS:
 ALL JOINTS AND FRAME CONNECTIONS SEALED WITH BLACK/ALUMINUM COLORED SILICONE.

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

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 NPA# **05-1122-12**
 Miami Dade Product Control
 Division
 By *Muhammad Farooq*

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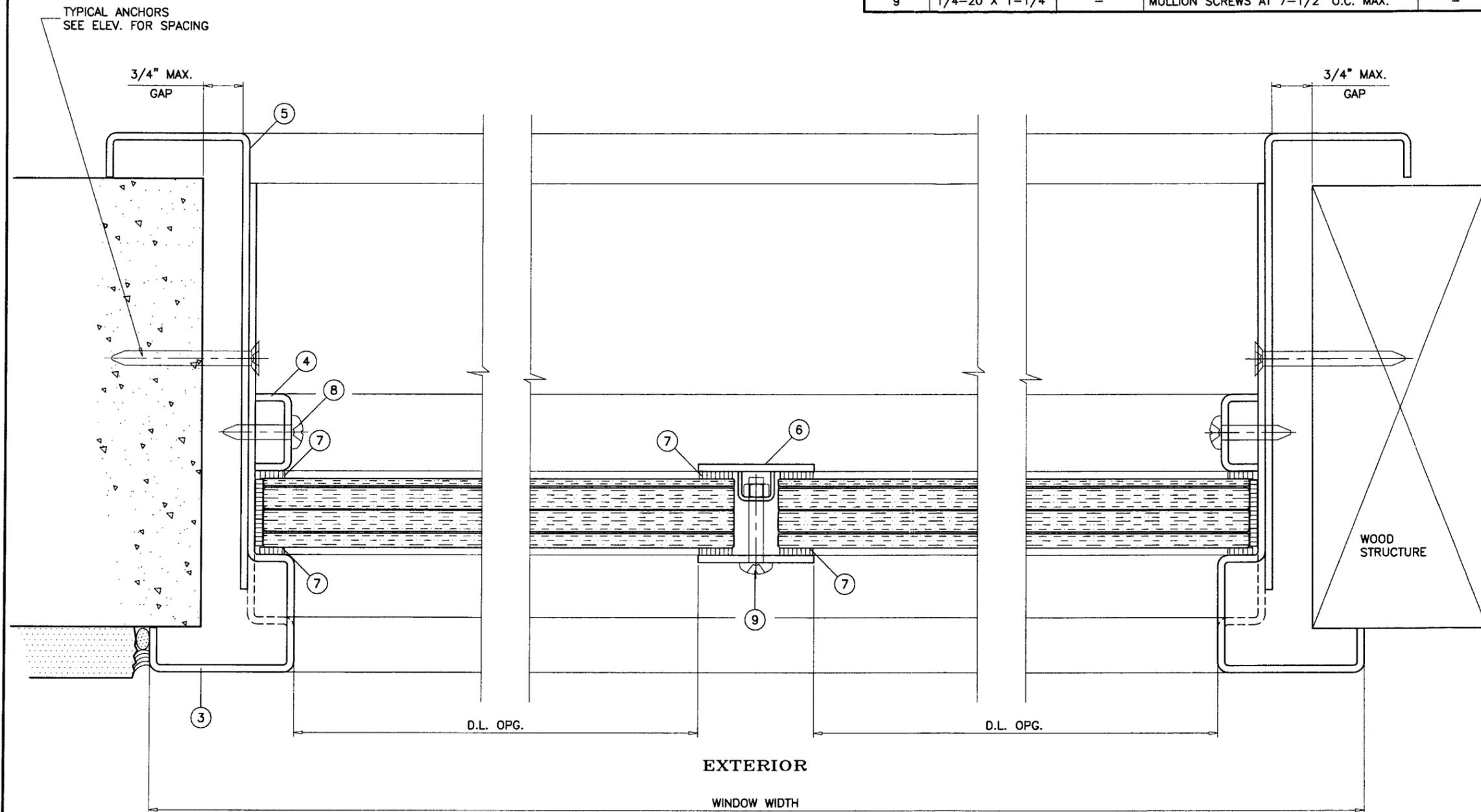
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 dr. by: HAMID
 chk. by:

drawing no. **W05-47**
 sheet 2 of 4

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	1	FRAME HEAD	ST. STEEL	11 GA.
2	-	1	FRAME SILL	ST. STEEL	11 GA.
3	-	2	FRAME JAMB	ST. STEEL	11 GA.
4	-	AS REQD.	GLAZING BEAD	ST. STEEL	11 GA.
5	-	AS REQD.	INTERIOR FRAME	ST. STEEL	11 GA.
6	-	AS REQD.	MULLION	ST. STEEL	-
7	-	AS REQD.	ADHESIVE GLAZING TAPE	FOAM	-
8	1/4-20 X 1-1/4"	-	GLAZING BEAD SCREWS AT 12" O.C. MAX.	-	RH MS
9	1/4-20 X 1-1/4"	-	MULLION SCREWS AT 7-1/2" O.C. MAX.	-	RH MS



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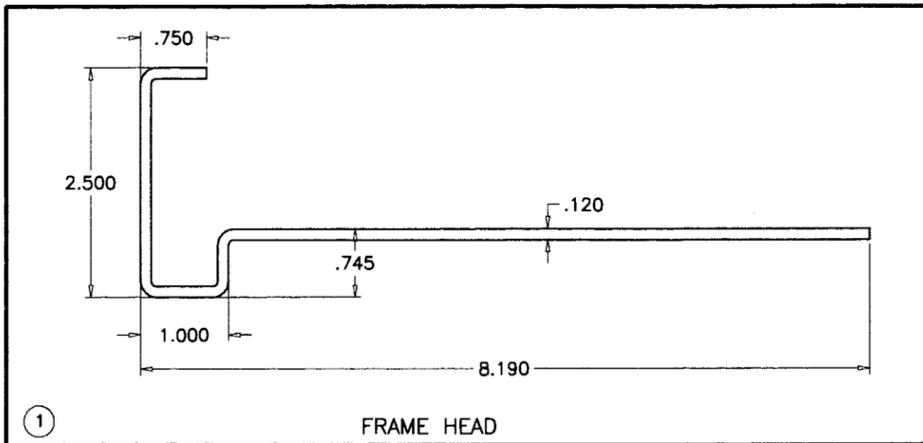
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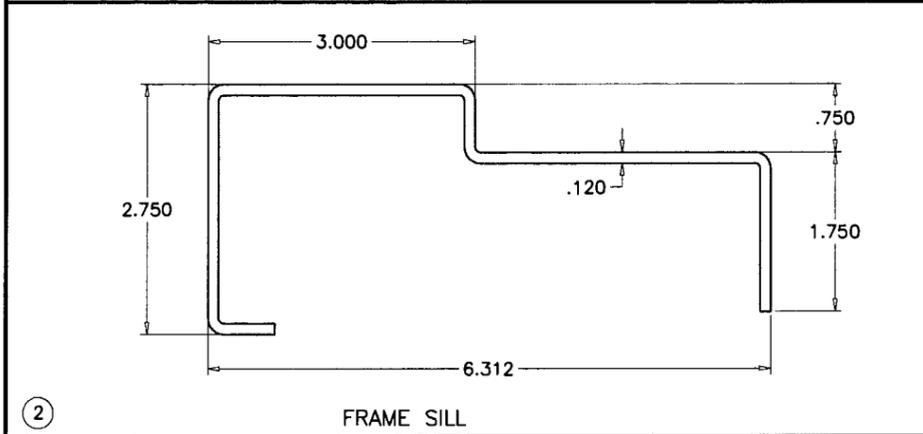
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 Manual Date Product Control
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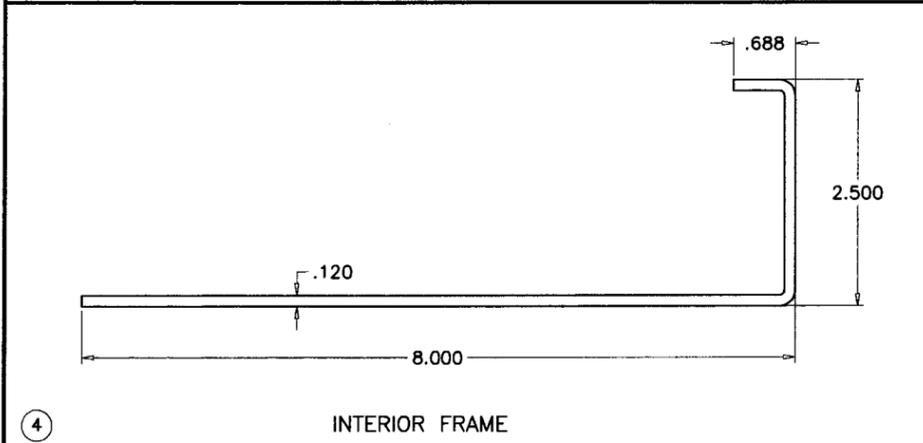
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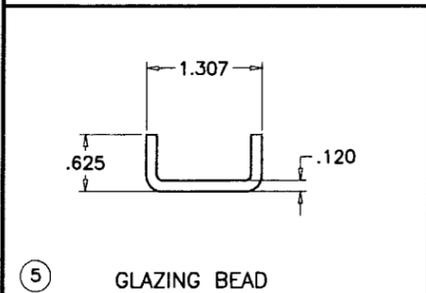
① FRAME HEAD



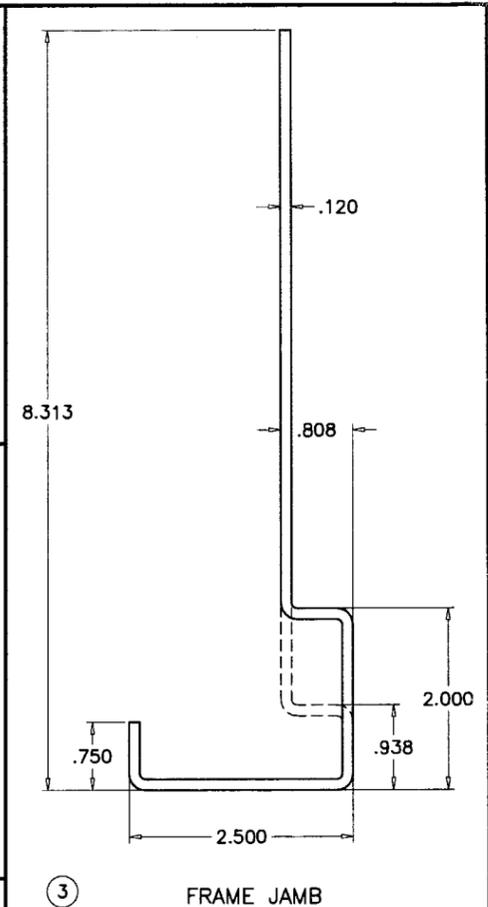
② FRAME SILL



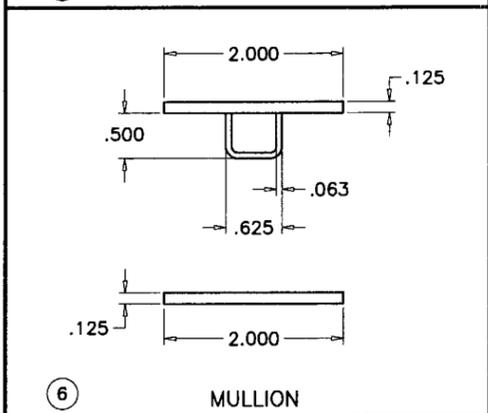
④ INTERIOR FRAME



⑤ GLAZING BEAD



③ FRAME JAMB



⑥ MULLION

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