



MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
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/building/

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 Section 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 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. BORA 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: Series "Bullet Resistant Drive-Up" Steel Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W05-47**, titled "Bullet Resistant Drive-Up Steel Fixed Wdw. (L.M.I.)", sheets 1 through 4 of 4, dated 09/16/05 with revision A dated 12/20/10, 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 Section.

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 **revises and renews NOA # 05-1122.12** 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. 11-0107.11
Expiration Date: April 06, 2016
Approval Date: March 31, 2011
 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 Wdw. (L.M.I.)", sheets 1 through 4 of 4, dated 09/16/05 with revision A dated 12/20/10, prepared by Al Farooq Corporation, 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, 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 202-94

along 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.
(Submitted under previous NOA #05-1122.12)

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 10/17/05 and 12/17/10, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04.

D. QUALITY ASSURANCE

1. Miami-Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **10-0922.09** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB, Interlayer**" dated 12/24/10, expiring on 12/11/11.

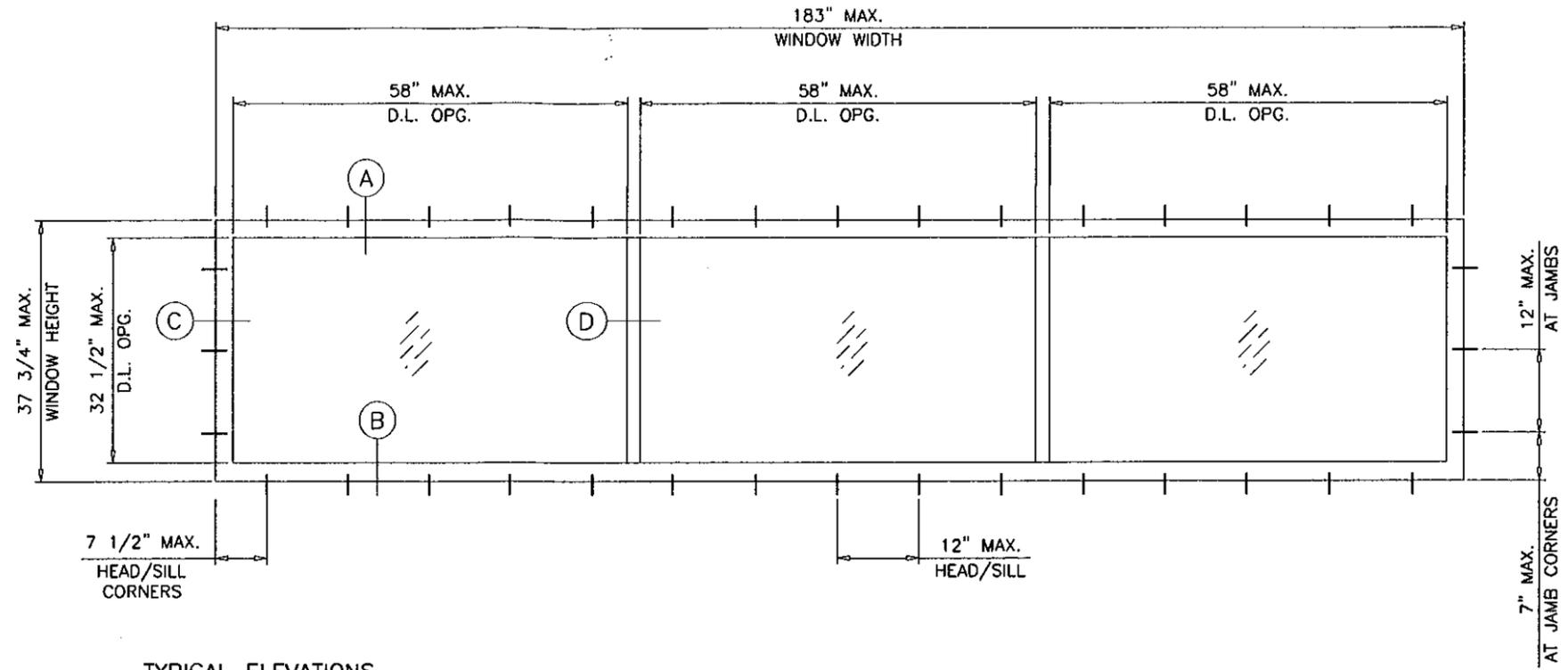
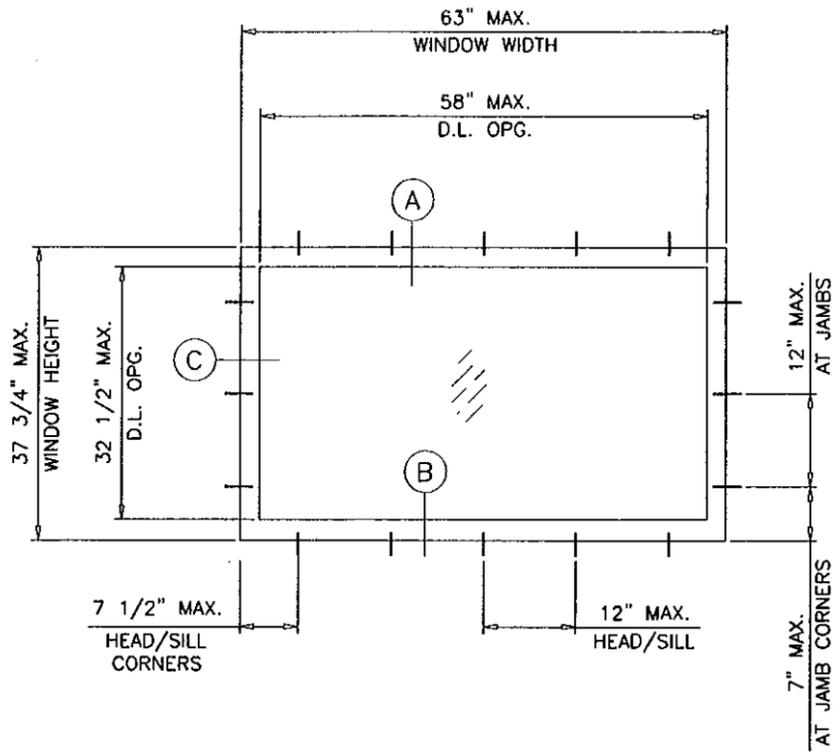
F. STATEMENTS

1. Statement letter of conformance and no financial interest, 12/17/10, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Report No. **FTL- 4690**, issued by Fenestration Testing Laboratory, Inc., dated 09/06/05, signed and sealed by Edmundo J. Largaespada, P.E.

G. OTHERS

1. Notice of Acceptance No. **05-1122.12**, issued to Hamilton Safe Company for their Bullet Resistant Drive-Up Window – L.M.I., approved on 04/06/06 and expiring on 04/06/11.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-0107.11
Expiration Date: April 06, 2016
Approval Date: March 31, 2011



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 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

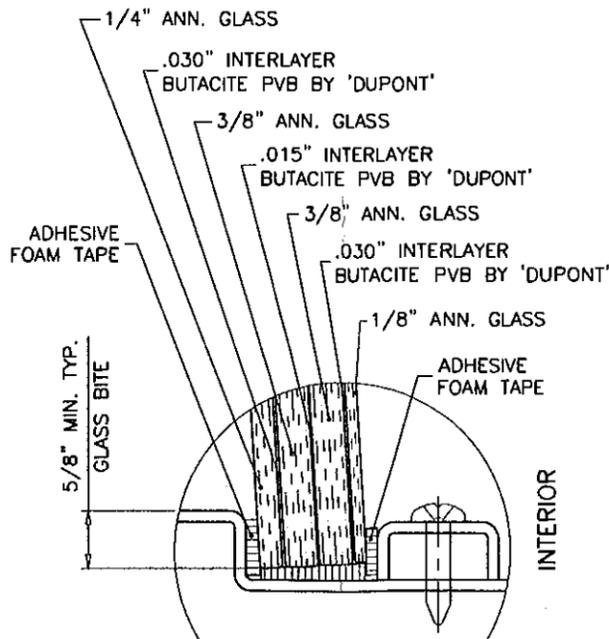
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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.



GLAZING DETAIL

NOTE:
GLASS CAPACITIES ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)

Engr: JAVAD AHMAD
CIVIL
DEC 20 2010
Professional Engineer Seal

PRODUCT REVISED
in complying with the Florida
Building Code
Acceptance No 11-0107.11
Expiration Date APR 16, 2016
By *Mamuel Perez*
Miami Dade Product Control

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

no	date	description
A	12.20.10	UPDATED TO 2007 FBC

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

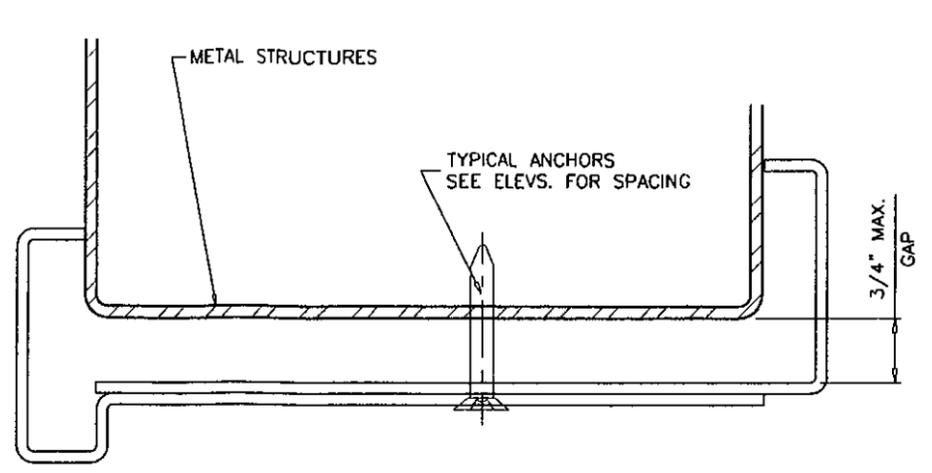
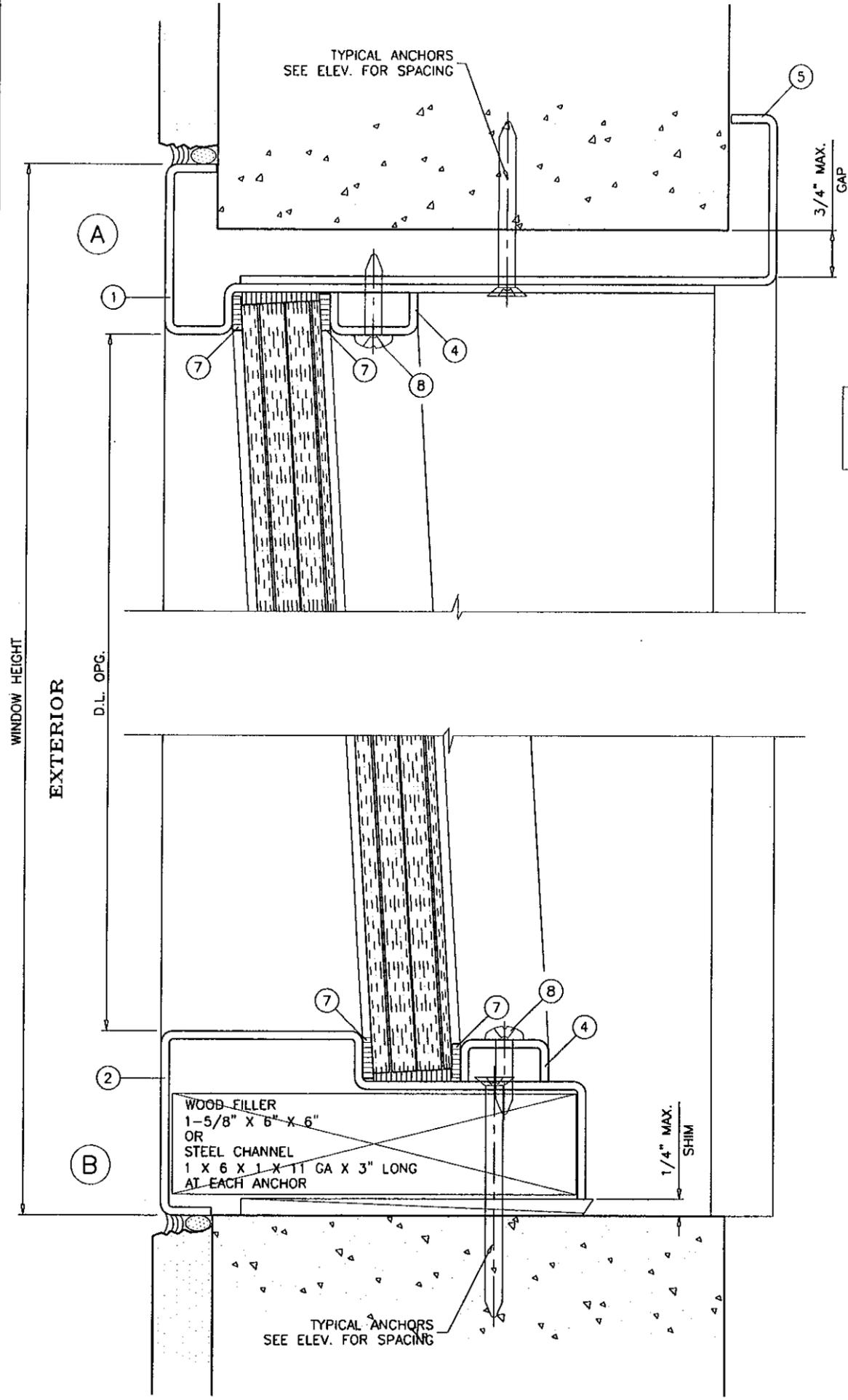
drawing no.
W05-47

sheet 1 of 4

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

afc

COMP-ANL\W05-47HS



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

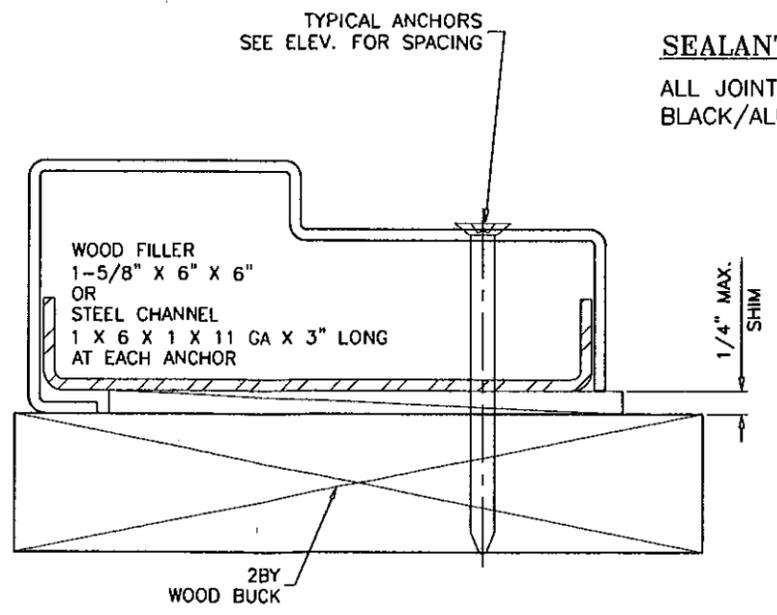
TYPICAL ANCHORS: SEE ELEV. FOR SPACING
 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO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

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES
 STEEL : 1/8" THK. 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 = 2-1/2" 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 BLACK/ALUMINUM COLORED SILICONE.



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

DEC 20 2010

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 11-0107-11
 Expiration Date APRIL 6, 2016

By *Muhammad Peris*
 Miami Made Product Control

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
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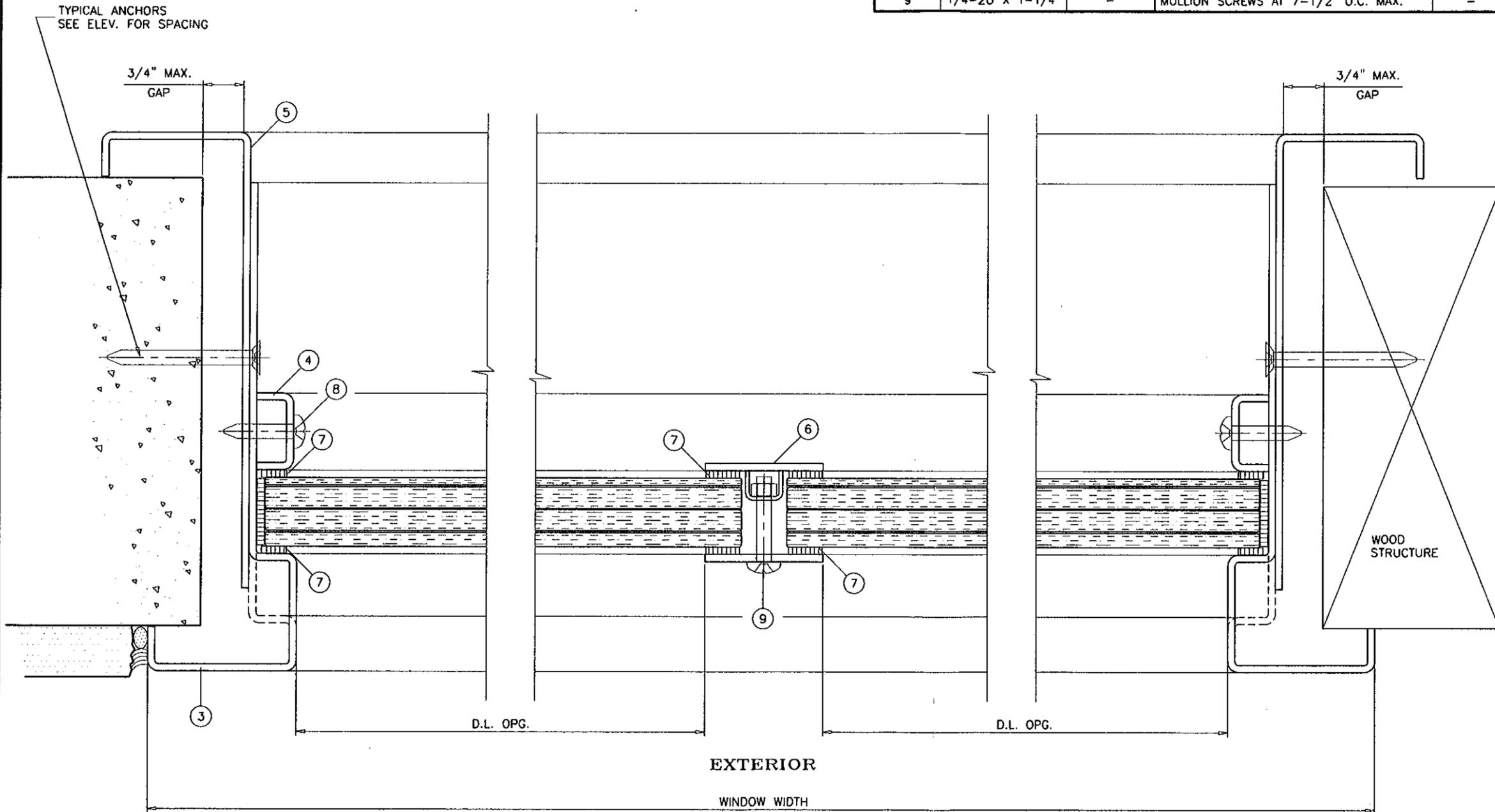
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HAMILTON SAFE
 3143 PRODUCTION DRIVE
 FAIRFIELD, OH. 45014
 TEL. (513) 874-3733 FAX. (513) 874-3967

no	date	by	description
A	12.20.10		ANCHORS REV.

date: 09-16-05
 scale: 1/2" = 1"
 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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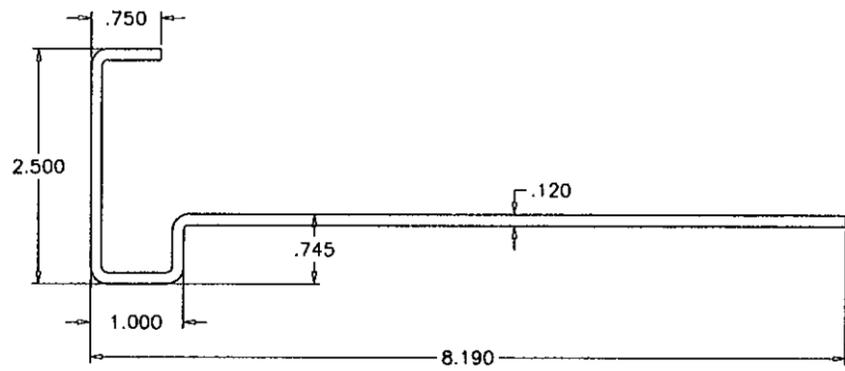
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revisions:	no	date	by	description
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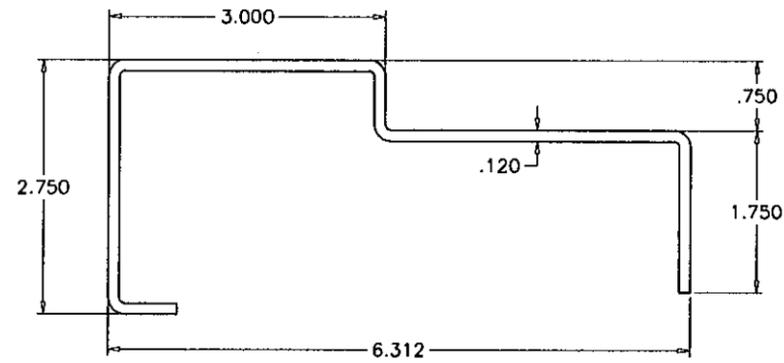
Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 DEC 20 2010

PRODUCT REVISED
 as complying with the Florida
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 Acceptance No 11-0107.11
 Expiration Date APRIL 6, 2016
 By *Manuel Diaz*
 Miami Dade Product Control

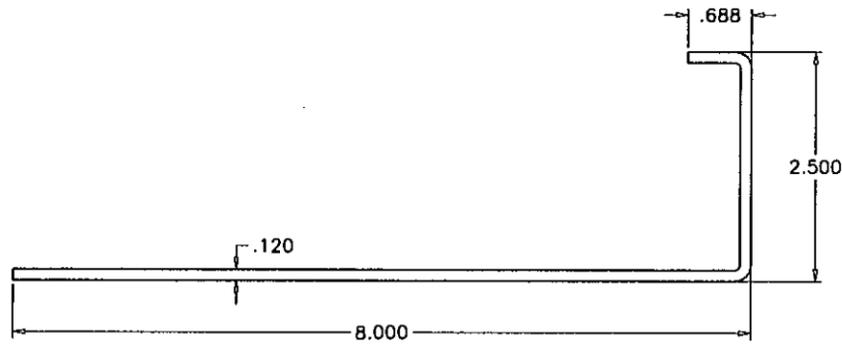
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 dr. by: HAMID
 chk. by:
 drawing no.
W05-47
 sheet 3 of 4



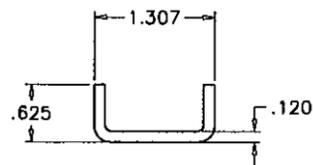
① FRAME HEAD



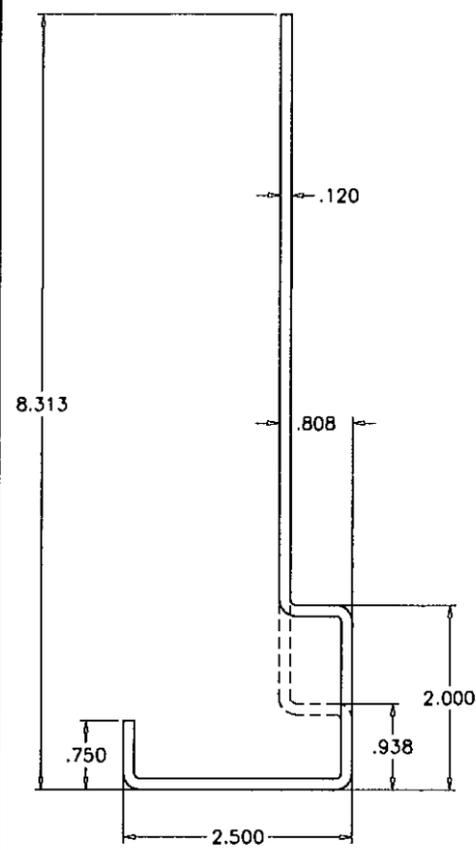
② FRAME SILL



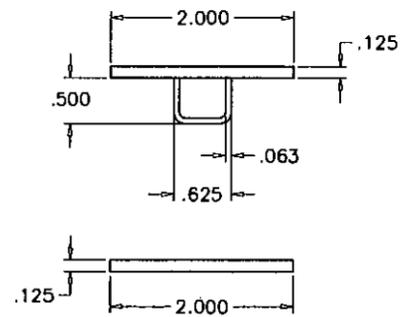
④ INTERIOR FRAME



⑤ GLAZING BEAD



③ FRAME JAMB



⑥ MULLION

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 DEC 20 2010

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afc

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date: 09-16-05
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drawing no.
W05-47

sheet 4 of 4