



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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

Hamilton Safe Company
1030 Round Bottom Road
Milford, OH 45150

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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. RER 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 "UL 752 Bullet Resistant Drive-Up" Stainless 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 **F** dated 02/01/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LIMITATION: 1. The minimum Stainless Steel 304 (36 Ksi) per test reports.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, 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.

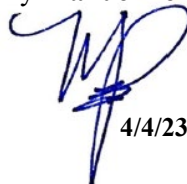
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 No. **21-0312.13** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**




4/4/23

NOA No. 23-0203.03
Expiration Date: April 26, 2028
Approval Date: April 13, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS


1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 05-1122.12)
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 **E** dated 02/22/21, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 21-0312.13)

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
along with marked-up drawings and installation diagram of a Bullet Resistant Drive-Up Steel Fixed Window (L.M.I.), prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 16-6913**, dated 08/02/17 signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 18-0201.14)
2. 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
along with marked-up drawings and 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. and addendum letter, dated 06/04/12, signed by Manny Sanchez.
(Submitted under NOA No. 05-1122.12)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 05/10/16, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 18-0201.14)
2. Glazing complies with **ASTM E1300-09**


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0203.03
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Hamilton Safe Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayer**" dated 01/19/20, expiring on 07/08/24.
2. Test Report No. **BP5734**, volume 1 and section 4, prepared by Underwriting Laboratories, Inc., dated 11/21/88, revised and dated 11/01/93, issued to Hamilton Safe Company, for their "**Bullet Resisting Devices, Miscellaneous Window Frame, Ballistic Level 1**" "per **ANSI/ UL 752-2006**" UL Standard for Safety for Bullet-Resisting Equipment Eleventh Edition", dated 11/28/12, listed and approved by UL Standard for Safety/ American National Standard.

F. STATEMENTS

1. Statement letter of conformance, complying with the **FBC 7th Edition (2020)**, and of no financial interest, dated February 12, 2021, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 21-0312.13)
2. Laboratory compliance letters for Test Report No. **FTL-4690**, issued by Fenestration Testing Laboratory, Inc., dated 08/18/05, signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA No. 05-1122.17)

G. OTHERS

1. Notice of Acceptance No. **18-0201.14**, issued to Hamilton Safe Company for their Series "UL 752 Bullet Resistant Drive-Up" Steel Fixed Window - L.M.I., approved on 04/26/2018 and expiring on 04/26/2023.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0203.03
Expiration Date: April 26, 2028
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Hamilton Safe Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. 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 **F** dated 02/01/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their “Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers” dated 11/19/20, expiring on 07/08/24.

F. STATEMENTS

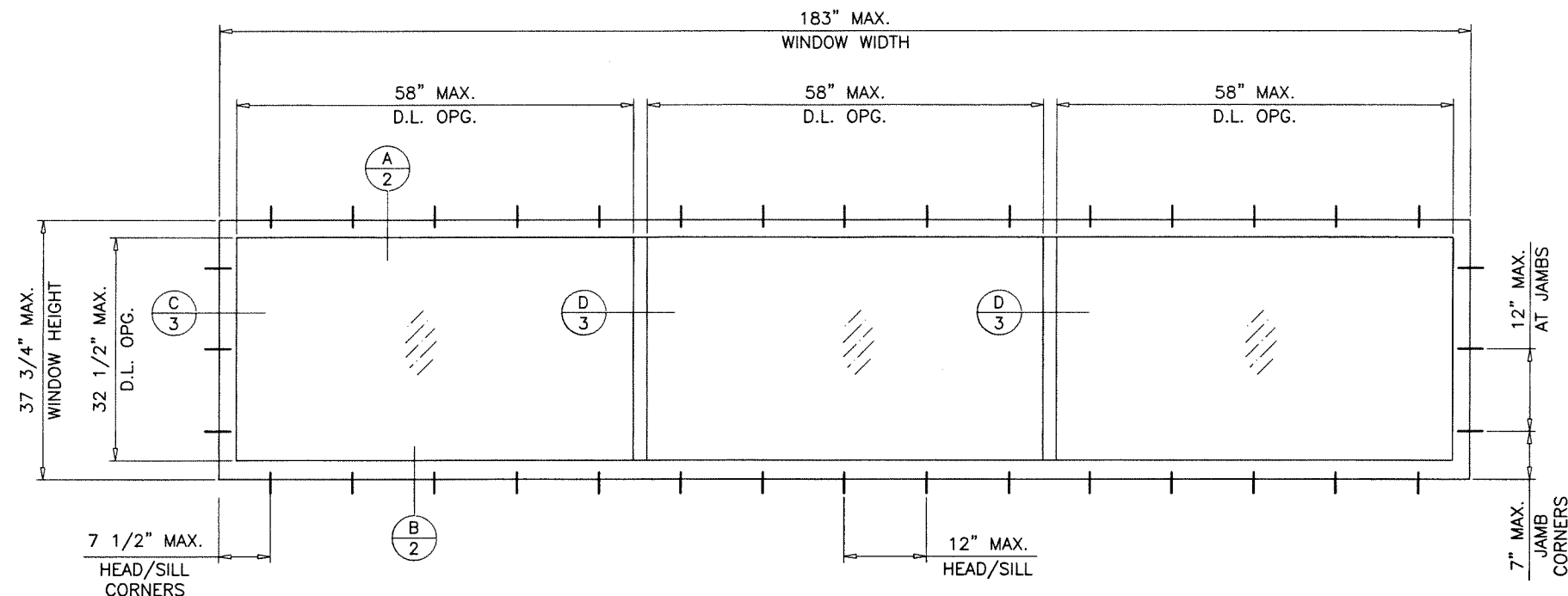
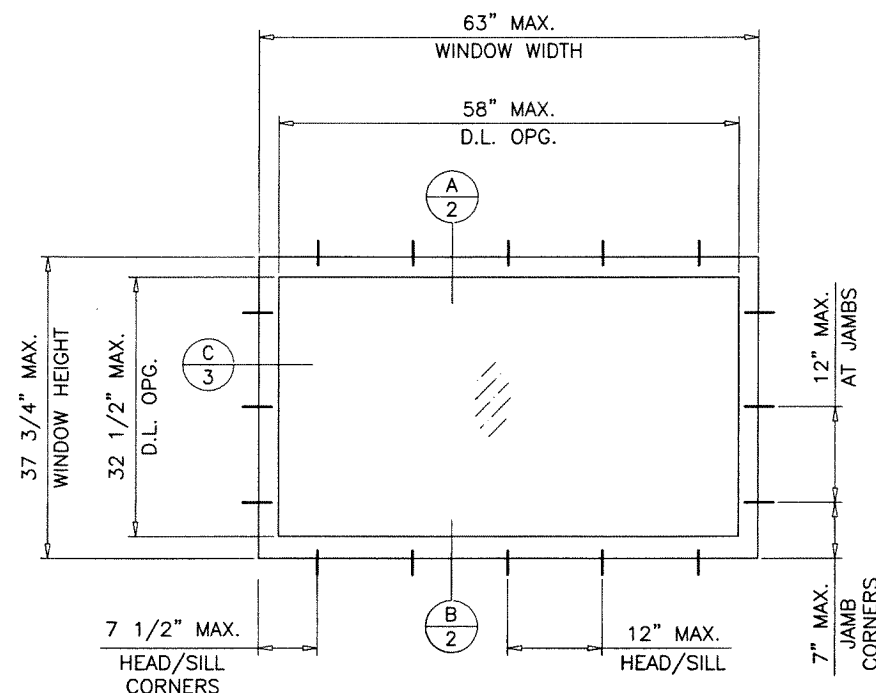
1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, and of no financial interest, dated January 24, 2023, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

1. Notice of Acceptance No. **21-0312.13**, issued to Hamilton Safe Company for their Series “UL 752 Bullet Resistant Drive-Up” Stainless Steel Fixed Window - L.M.I., approved on 10/21/21 and expiring on 04/26/23.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0203.03

Expiration Date: April 26, 2028
Approval Date: April 13, 2023



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 2020 (7TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

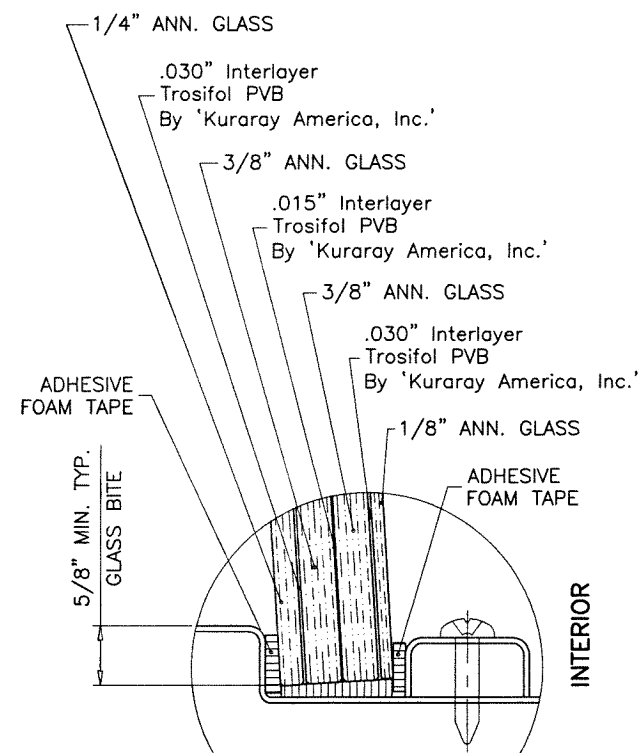
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

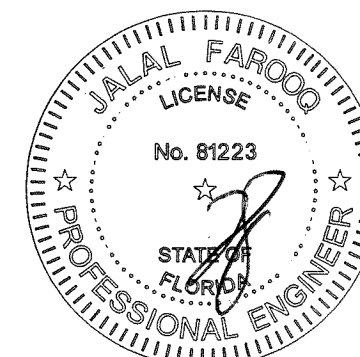


GLAZING DETAIL

NOTE:
GLASS CAPACITIES ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)

FEB 01 2023

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0203.03**
Expiration Date: **04/26/2028**
By: *Manuel Fernandez*
Miami-Dade Product Control



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

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COMP-ANL\W05-47HS

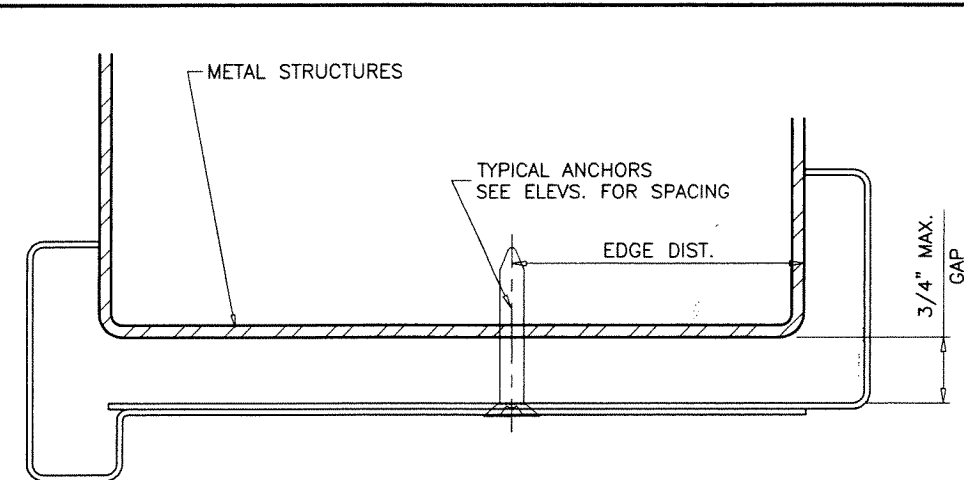
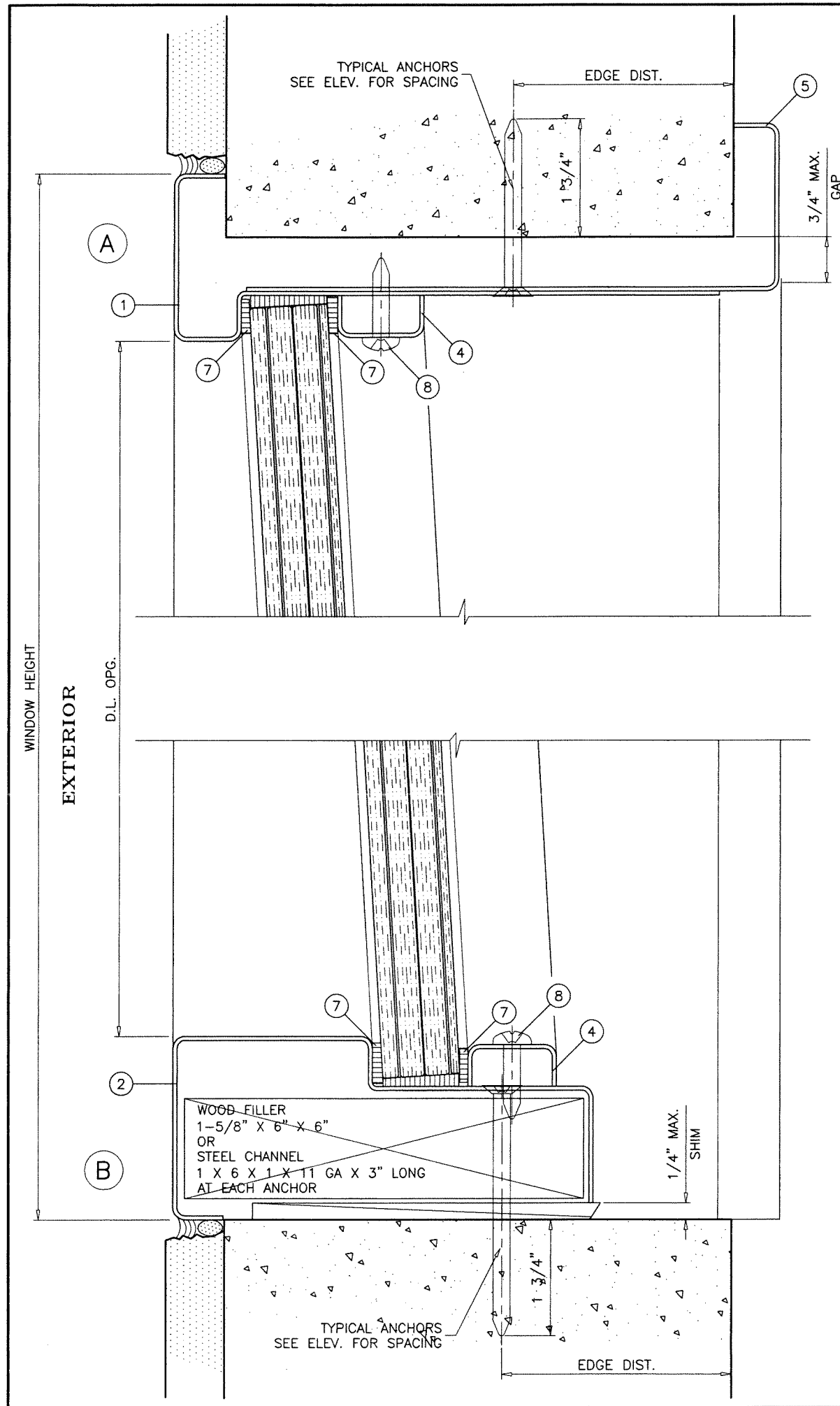
BULLET RESISTANT DRIVE-UP STEEL FIXED WDW. (L.M.I.)

Hamilton Safe Company
1030 Round Bottom Road
Milford, OH 45150
Tel. (513) 874-3733

no.	date	description
C	05.11.16	REV. PER COMMENTS
D	10.31.17	UPDATED TO 2017 FBC
E	02.22.21	UPDATED TO 2020 FBC
F	02.01.23	MANUF. ADDRESS REV.

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

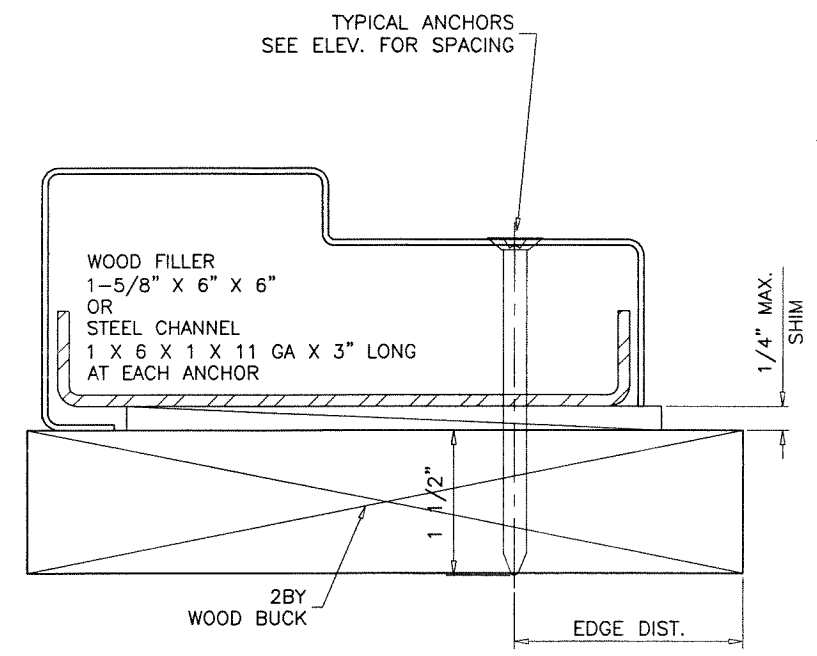
drawing no. **W05-47**
sheet 1 of 4



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

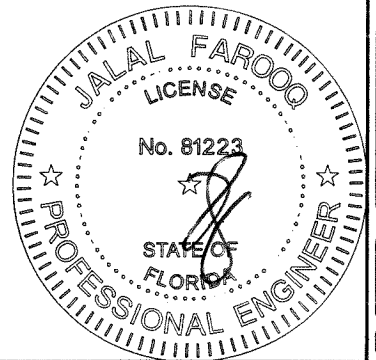
TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-3/4" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)
#14 SMS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
TYPICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
 WOOD AT HEAD, SILL OR JAMBS SG = 0.55 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.



PRODUCT REVISED
 as complying with the Florida
 Building Code
NOA-No. 23-0203.03
Expiration Date: 04/26/2028
 By: *Manuel Torres*
 Miami-Dade Product Control

FEB 01 2023



AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978

Hamilton Safe Company
 1030 Round Bottom Road
 Milford, OH 45150
 Tel. (513) 874-3733

Revisions:		by description	
no	date	rev	per
C	05.11.16	REV. PER	REV. COMMENTS
D	10.31.17	UPDATED TO	2017 FBC
E	02.22.21	UPDATED TO	2020 FBC
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date: 09-16-05

scale: 1/2" = 1"

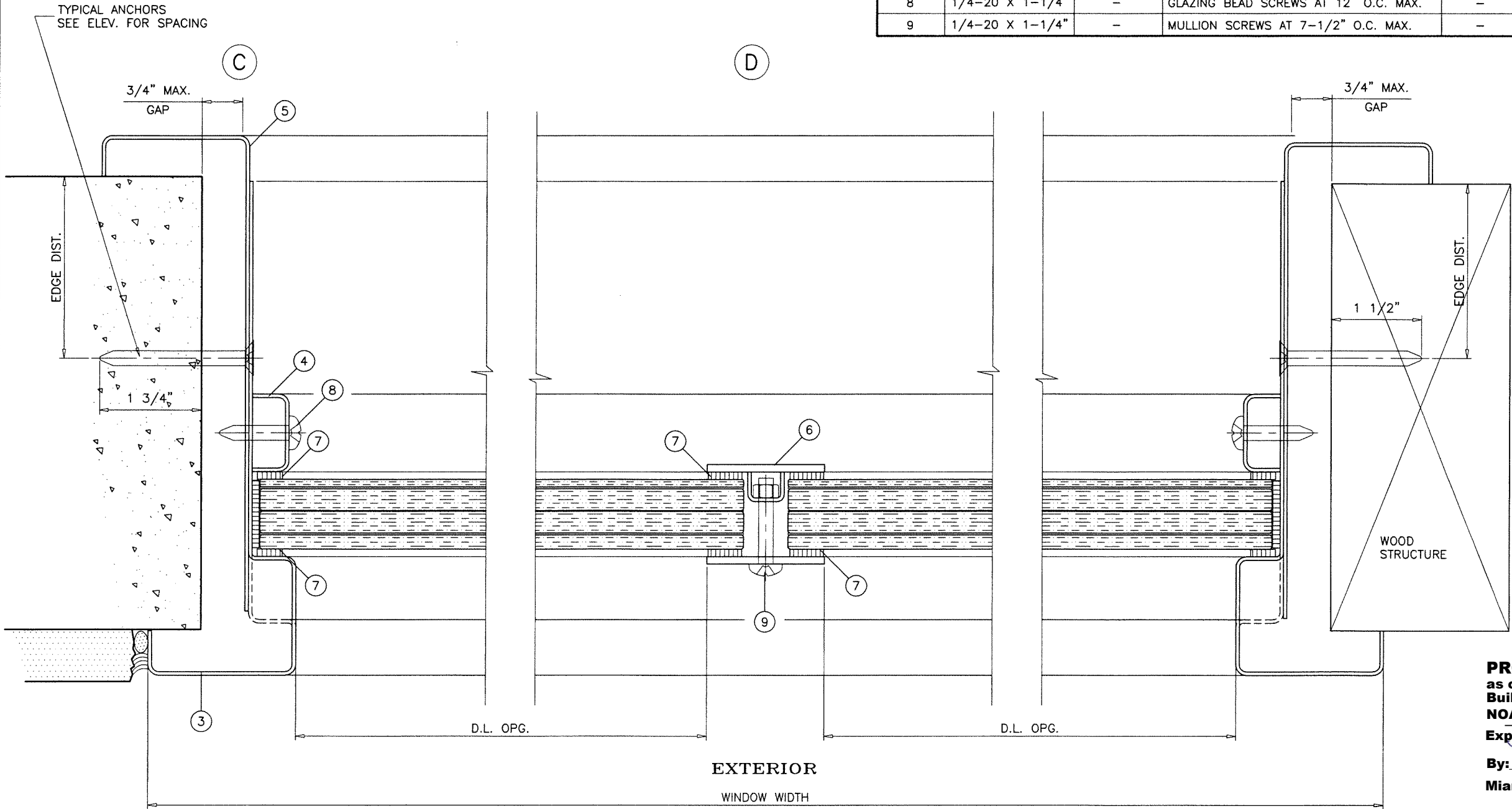
dr. by: TARIQ

chk. by:

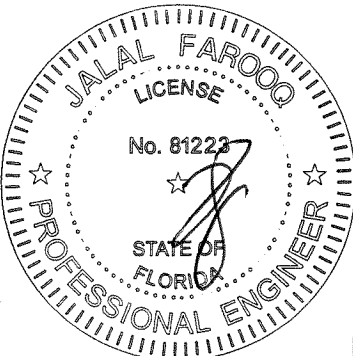
drawing no. **W05-47**

sheet 2 of 4


ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	1	FRAME HEAD	ST. STEEL	16 GA.
2	-	1	FRAME SILL	ST. STEEL	16 GA.
3	-	2	FRAME JAMB	ST. STEEL	16 GA.
4	-	AS REQD.	GLAZING BEAD	ST. STEEL	16 GA.
5	-	AS REQD.	INTERIOR FRAME	ST. STEEL	16 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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Miami-Dade Product Control



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

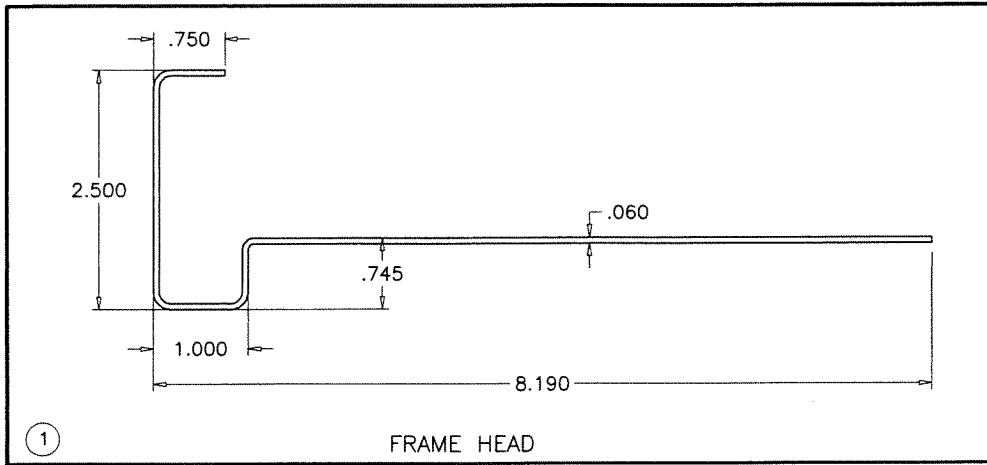
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Revisions:

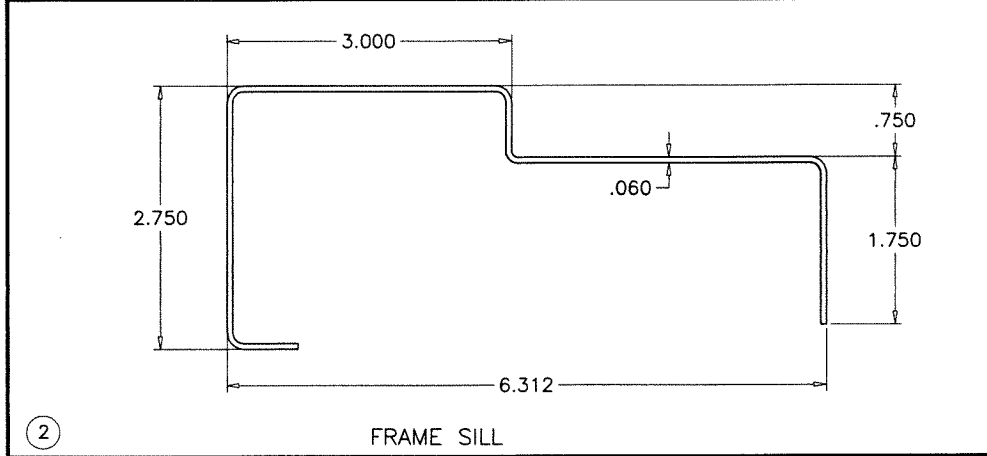
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C	05.11.16	REV.	PER RER COMMENTS
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date: 09-16-05
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

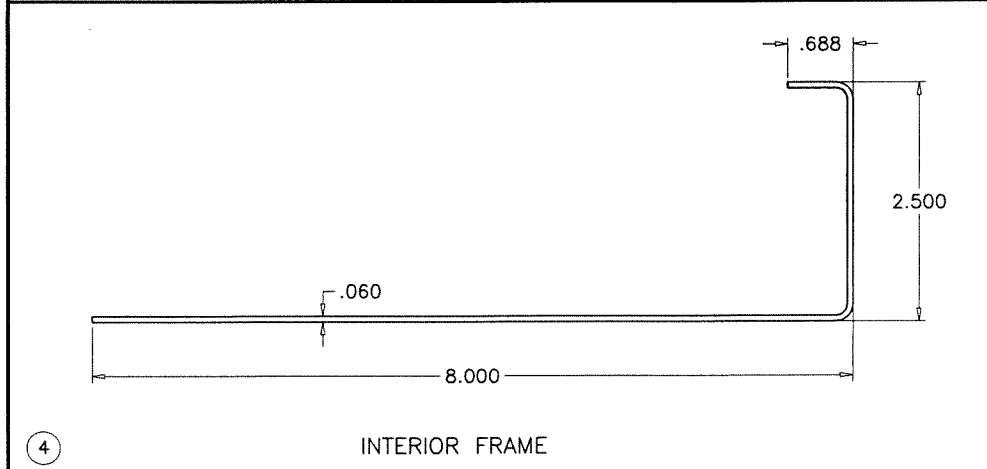
drawing no.
W05-47
sheet 3 of 4



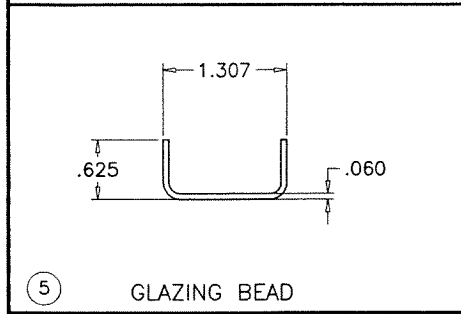
FRAME HEAD



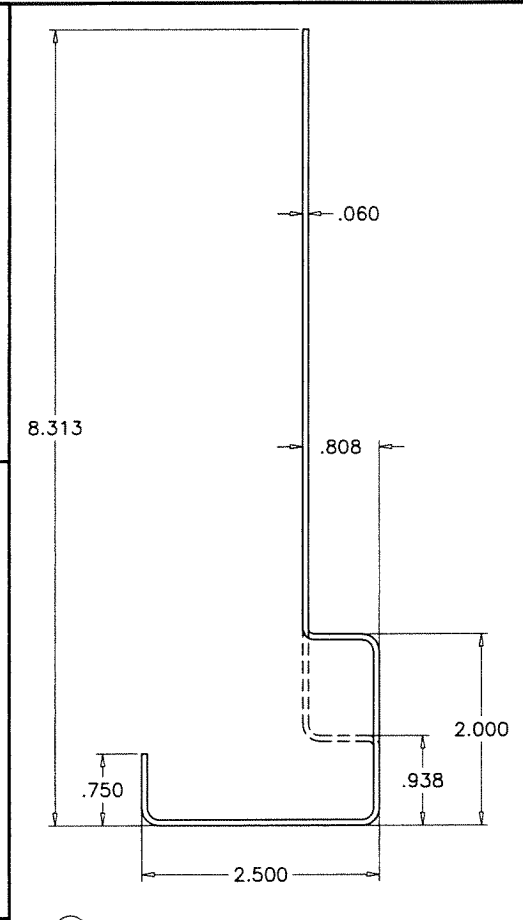
FRAME SILL



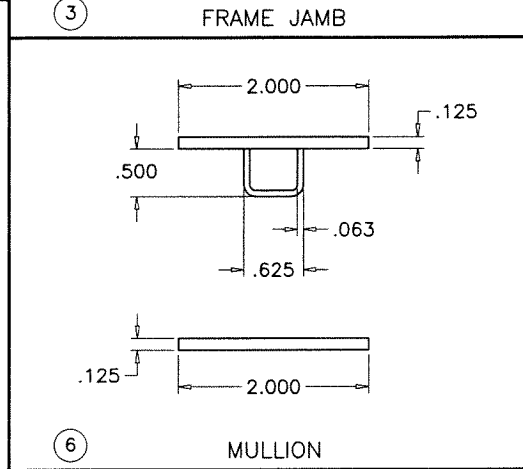
INTERIOR FRAME



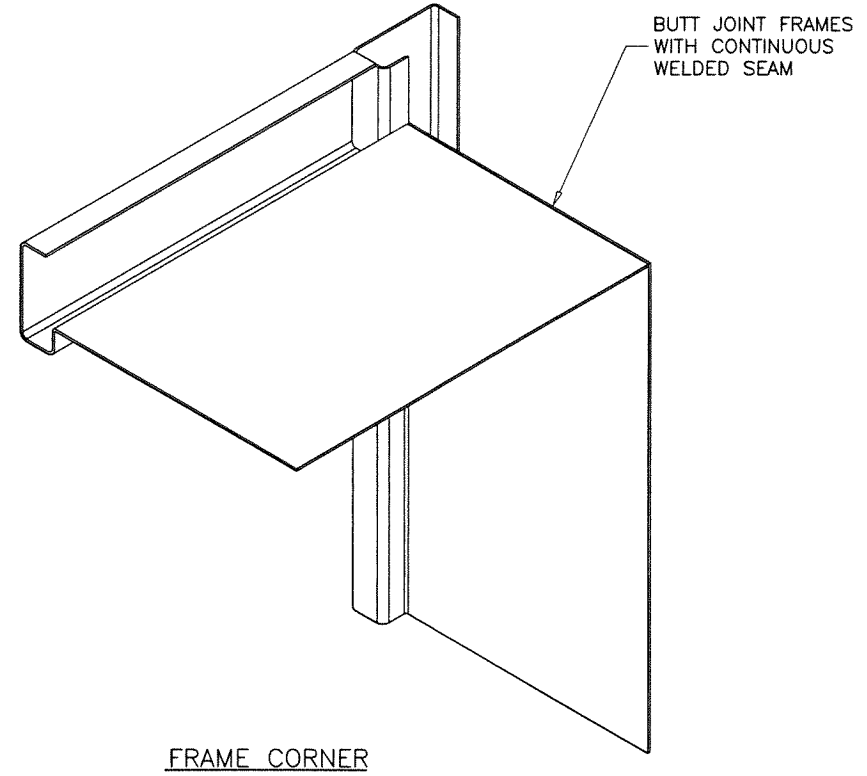
GLAZING BEAD



FRAME JAMB

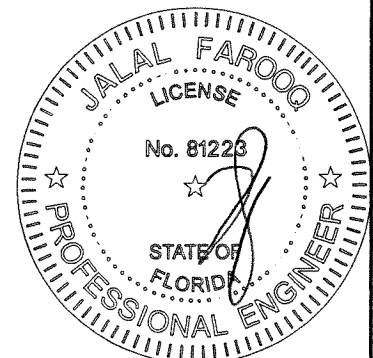


MULLION



FRAME CORNER

PRODUCT REVISED
as complying with the Florida
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By: *Manuel Perez*
Miami-Dade Product Control



FEB 01 2023

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COMP - ANL W05-47HS

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sheet 4 of 4