



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

BUILDING CODE COMPLIANCE OFFICE (BCCO)
 PRODUCT CONTROL DIVISION

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Arch Aluminum & Glass Co., Inc.
 10200 NW 67 Street
 Tamarac, FL 33321

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 "PBS 383 Curtain Wall" Aluminum Window Wall System - Non-Impact

APPROVAL DOCUMENT: Drawing No. **W02-93**, titled "Series PBS-383 Curtain Wall/Window Wall System", sheets 1 through 6 of 6, dated 10/9/02 with revision "A" on 09/08/05, prepared by Al Farooq Corporation, signed and sealed by Humayoun 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 Division.

MISSILE IMPACT RATING: None

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 NOA # **02-1029.06** and, consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E., Director, BCCO**



NOA No 05-0919.09
 Expiration Date: October 13, 2007
 Approval Date: December 29, 2005
 Page 1

Arch Aluminum & Glass Co., Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W02-93**, titled "Series PBS-383 Curtain Wall/Window Wall System", sheets 1 through 6 of 6, dated 10/9/02 with revision "A" on 09/08/05, prepared by Al Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on 1) Small Missile Impact Test FBC TAS 201-94 (steel ball bearings)
2) Cyclic Loading Test, per SFBC PA 203-94
along with installation diagram of an aluminum window wall system marked-up by Fenestration Testing Laboratory, Inc. Test Reports Nos. **FTL-2603**, report dated April 12, 2000, signed and sealed by Aldo P. Gonzalez, P.E.
"Submitted under NOA- 02-1029.06"
2. Test reports on 1) Small Missile Impact Test, SFBC PA 201-94 (gravel)
2) Cyclic Loading Test, per SFBC PA 203-94
3) Air Infiltration Test, per PA 202-94
4) Uniform Static Air Pressure Test, Loading per PA 202-94
5) Water Resistance Test, per PA 202-94
along with installation diagram of an aluminum window wall system marked-up by Fenestration Testing Laboratory, Inc. Test Reports Nos. **FTL2281**, reported dated 03/24/99, signed and sealed by Gilbert Diamond, P.E.
"Submitted under NOA- 02-1029.06"

C. CALCULATIONS:

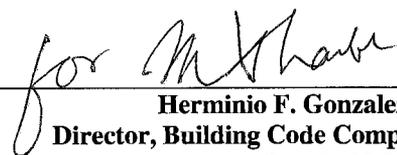
1. Revised Anchor Calculations, ASTM-E1300-02, and Structural Analysis, prepared by AL-Farooq Corporation, dated 09/02/05, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-02
No 1/3 stress increase used in anchors into masonry or steel substrate.
2. Anchor Verification Calculations and Comparative analysis, dated 05/20/99 revised on 08/28/1999, prepared, signed and sealed by Humayoun Farooq, P.E.
"Submitted under NOA- 02-1029.06"
3. Anchor Verification Calculations and Comparative analysis, dated 10/16/02, prepared, signed and sealed by Humayoun Farooq, P.E.
"Submitted under NOA- 02-1029.06"

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance
NOA No 05-0919.09
Expiration Date: October 13, 2007
Approval Date: December 29, 2005

Arch Aluminum & Glass Co., Inc.

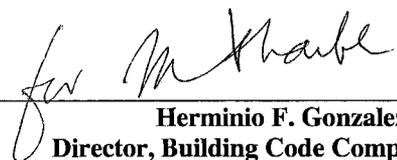
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated 09/02/05, signed and sealed by Humayoun Farooq, P.E.

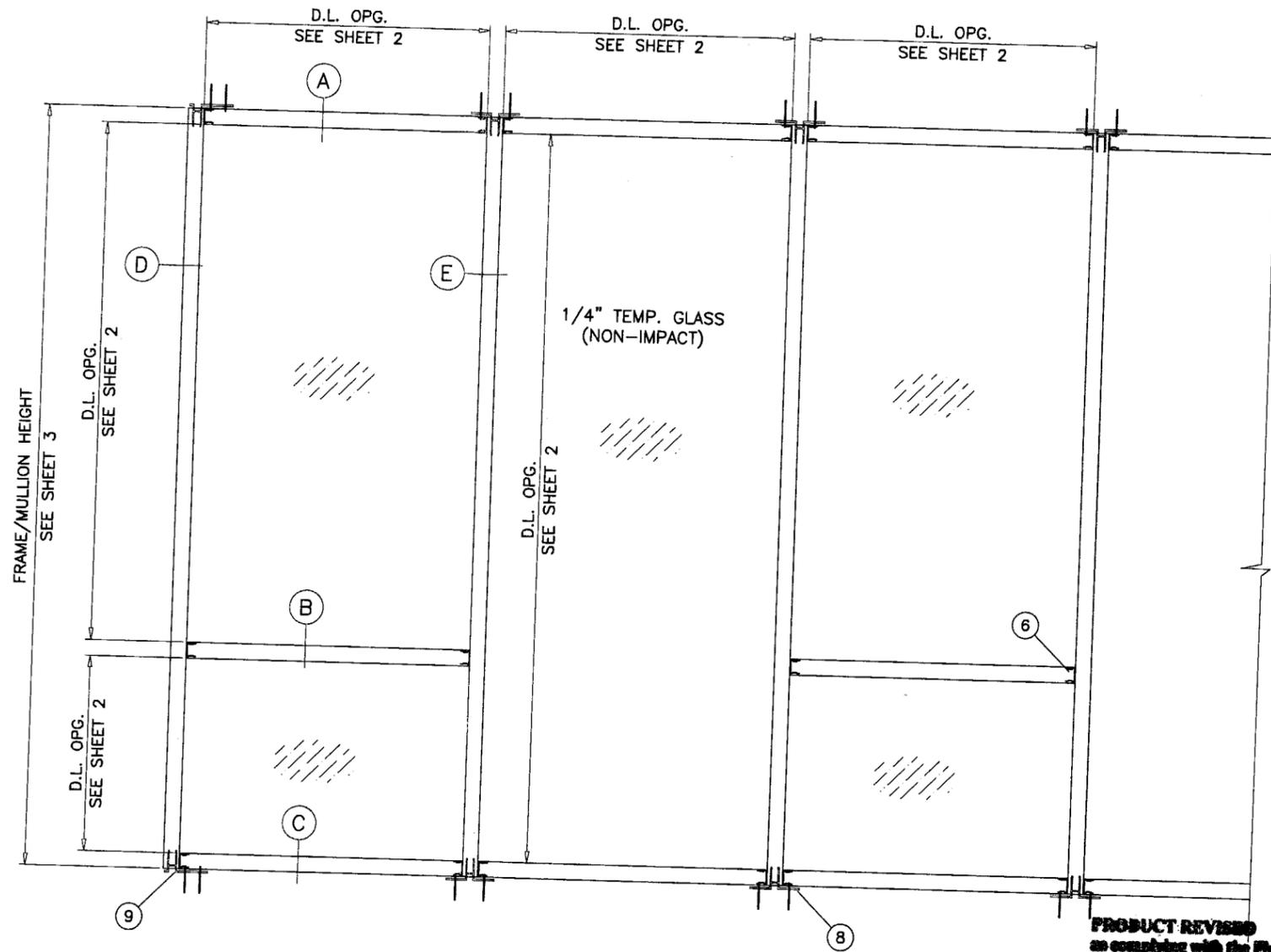
G. OTHER

1. Notice of Acceptance No. **02-1029.06**, issued to Arch Aluminum & Glass Co., Inc. for their "Series "PBS 383 Curtain Wall" Aluminum Window Wall System – Small Missile", approved on 11/21/02 and expiring on 10/13/07.
2. Letter from consultant, dated 11/24/05, stating that the product is in compliance with the Florida Building Code (FBC).



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance
NOA No 05-0919.09

Expiration Date: October 13, 2007
Approval Date: December 29, 2005



TYPICAL ELEVATION

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0919.09
 Expiration Date 10/13/07
 By *M. Shaul*
 Miami Dade Product Control
 Division

SERIES PBS-383 CURTAIN WALL/WINDOW WALL SYSTEM

THIS SYSTEM IS NOT RATED FOR IMPACT.
 MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS
 ARE REQUIRED.
 CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.
 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, 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 33% INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF WOOD
 ANCHORS ONLY.
 ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

INSTRUCTIONS:

- USE CHARTS AS FOLLOWS.
- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
 - STEP 2** SEE CHARTS ON SHEETS 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION.
 - STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
 - STEP 4** USING CHART ON SHEET 3 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
 - STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.
 INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

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

[Signature]
 SEP 13 2005

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE W02-93AA

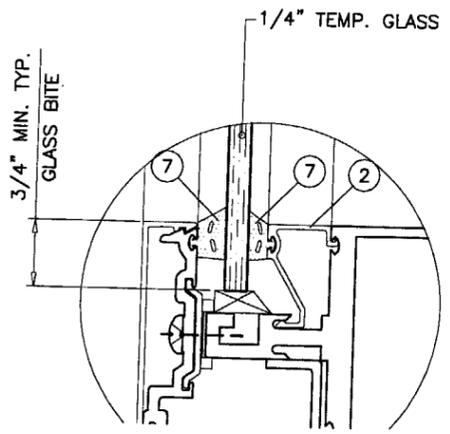
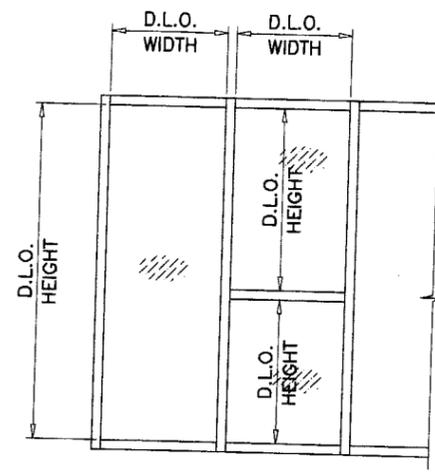
SERIES PBS-383 CURTAIN WALL/WINDOW WALL SYSTEM
ARCH ALUMINUM & GLASS L.C.
 10200 N.W. 67th street
 TAMARAC, FL. 33321
 TEL. (800) 432-8132 FAX. (954) 724-9293

| no | date | description |
|----|----------|-----------------------|
| A | 09.08.05 | UPDATED FOR 2004, FBC |

| | | | |
|--------------------|------------------|---------------|----------|
| date: 10-09-02 | scale: 1/2" = 1" | dr. by: HAMID | chk. by: |
| drawing no. W02-93 | | | |
| sheet 1 of 6 | | | |

| DESIGN LOAD CAPACITY - PSF BASED ON ASTM E1300-98 (60 SEC. WIND) | | |
|---------------------------------------------------------------------|---------------|----------------------|
| NOMINAL DIMS. | | 1/4" TEMP. GL. |
| D.L.O. WIDTH | D.L.O. HEIGHT | EXT. (+) INT. (-) |
| 27-1/2" | 67" | 120.0 |
| 30-1/2" | | 120.0 |
| 33-1/2" | | 120.0 |
| 36-1/2" | | 120.0 |
| 39-1/2" | | 120.0 |
| 42-1/2" | | 120.0 |
| 45-1/2" | | 120.0 |
| 48-1/2" | | 120.0 |
| 51-1/2" | | 120.0 |
| 54-1/2" | | 120.0 |
| 57-1/2" | 120.0 | |
| 27-1/2" | 73" | 120.0 |
| 30-1/2" | | 120.0 |
| 33-1/2" | | 120.0 |
| 36-1/2" | | 120.0 |
| 39-1/2" | | 120.0 |
| 42-1/2" | | 120.0 |
| 45-1/2" | | 120.0 |
| 48-1/2" | | 120.0 |
| 51-1/2" | | 120.0 |
| 54-1/2" | | 120.0 |
| 57-1/2" | 116.8 | |
| 27-1/2" | 79" | 120.0 |
| 30-1/2" | | 120.0 |
| 33-1/2" | | 120.0 |
| 36-1/2" | | 120.0 |
| 39-1/2" | | 120.0 |
| 42-1/2" | | 117.2 |
| 45-1/2" | | 115.6 |
| 48-1/2" | | 114.0 |
| 51-1/2" | | 112.4 |
| 54-1/2" | | 110.4 |
| 57-1/2" | 108.0 | |
| 27-1/2" | 85" | 120.0 |
| 30-1/2" | | 120.0 |
| 33-1/2" | | 120.0 |
| 36-1/2" | | 116.0 |
| 39-1/2" | | 109.6 |
| 42-1/2" | | 108.4 |
| 45-1/2" | | 104.4 |
| 48-1/2" | | 103.6 |
| 51-1/2" | | 102.4 |
| 54-1/2" | | 101.2 |
| 57-1/2" | 99.6 | |

| DESIGN LOAD CAPACITY - PSF BASED ON ASTM E1300-98 (60 SEC. WIND) | | |
|---------------------------------------------------------------------|---------------|----------------------|
| NOMINAL DIMS. | | 1/4" TEMP. GL. |
| D.L.O. WIDTH | D.L.O. HEIGHT | EXT. (+) INT. (-) |
| 27-1/2" | 91" | 120.0 |
| 30-1/2" | | 120.0 |
| 33-1/2" | | 120.0 |
| 36-1/2" | | 108.8 |
| 39-1/2" | | 101.6 |
| 42-1/2" | | 97.6 |
| 45-1/2" | | 95.2 |
| 48-1/2" | | 94.4 |
| 51-1/2" | | 93.6 |
| 54-1/2" | | 92.8 |
| 57-1/2" | 92.0 | |
| 27-1/2" | 97" | 120.0 |
| 30-1/2" | | 120.0 |
| 33-1/2" | | 116.4 |
| 36-1/2" | | 103.2 |
| 39-1/2" | | 95.2 |
| 42-1/2" | | 90.4 |
| 45-1/2" | | 87.6 |
| 48-1/2" | | 86.4 |
| 51-1/2" | | 86.0 |
| 57-1/2" | | 120.0 |
| 27-1/2" | 103" | 120.0 |
| 30-1/2" | | 113.2 |
| 33-1/2" | | 99.2 |
| 36-1/2" | | 90.4 |
| 39-1/2" | | 84.8 |
| 42-1/2" | | 81.6 |
| 45-1/2" | | 80.0 |
| 48-1/2" | | 120.0 |
| 51-1/2" | | 120.0 |
| 54-1/2" | | 111.2 |
| 57-1/2" | 96.4 | |
| 27-1/2" | 109" | 86.8 |
| 30-1/2" | | 80.4 |
| 33-1/2" | | 76.4 |
| 36-1/2" | | 120.0 |
| 39-1/2" | | 109.2 |
| 42-1/2" | | 94.4 |
| 45-1/2" | | 84.0 |
| 48-1/2" | | 76.8 |
| 51-1/2" | | 72.4 |
| 54-1/2" | | |
| 57-1/2" | | |



GLAZING DETAIL

| DESIGN LOAD CAPACITY - PSF BASED ON ASTM E1300-02 (3 SEC. GUSTS) | | |
|---------------------------------------------------------------------|---------------|----------------------|
| NOMINAL DIMS. | | 1/4" TEMP. GL. |
| D.L.O. WIDTH | D.L.O. HEIGHT | EXT. (+) INT. (-) |
| 27-1/2" | 67" | 120.0 |
| 30-1/2" | | 120.0 |
| 33-1/2" | | 120.0 |
| 36-1/2" | | 120.0 |
| 39-1/2" | | 120.0 |
| 42-1/2" | | 120.0 |
| 45-1/2" | | 120.0 |
| 48-1/2" | | 120.0 |
| 51-1/2" | | 120.0 |
| 54-1/2" | | 120.0 |
| 57-1/2" | 120.0 | |
| 27-1/2" | 73" | 120.0 |
| 30-1/2" | | 120.0 |
| 33-1/2" | | 120.0 |
| 36-1/2" | | 120.0 |
| 39-1/2" | | 120.0 |
| 42-1/2" | | 120.0 |
| 45-1/2" | | 120.0 |
| 48-1/2" | | 120.0 |
| 51-1/2" | | 120.0 |
| 54-1/2" | | 120.0 |
| 57-1/2" | 120.0 | |
| 27-1/2" | 79" | 120.0 |
| 30-1/2" | | 120.0 |
| 33-1/2" | | 120.0 |
| 36-1/2" | | 120.0 |
| 39-1/2" | | 120.0 |
| 42-1/2" | | 120.0 |
| 45-1/2" | | 120.0 |
| 48-1/2" | | 120.0 |
| 51-1/2" | | 120.0 |
| 54-1/2" | | 120.0 |
| 57-1/2" | 120.0 | |
| 27-1/2" | 85" | 120.0 |
| 30-1/2" | | 120.0 |
| 33-1/2" | | 120.0 |
| 36-1/2" | | 120.0 |
| 39-1/2" | | 120.0 |
| 42-1/2" | | 120.0 |
| 45-1/2" | | 120.0 |
| 48-1/2" | | 120.0 |
| 51-1/2" | | 120.0 |
| 54-1/2" | | 120.0 |
| 57-1/2" | 120.0 | |

| DESIGN LOAD CAPACITY - PSF BASED ON ASTM E1300-02 (3 SEC. GUSTS) | | | |
|---------------------------------------------------------------------|---------------|----------------------|-------|
| NOMINAL DIMS. | | 1/4" TEMP. GL. | |
| D.L.O. WIDTH | D.L.O. HEIGHT | EXT. (+) INT. (-) | |
| 27-1/2" | 91" | 120.0 | |
| 30-1/2" | | 120.0 | |
| 33-1/2" | | 120.0 | |
| 36-1/2" | | 120.0 | |
| 39-1/2" | | 120.0 | |
| 42-1/2" | | 120.0 | |
| 45-1/2" | | 120.0 | |
| 48-1/2" | | 120.0 | |
| 51-1/2" | | 120.0 | |
| 54-1/2" | | 120.0 | |
| 57-1/2" | 120.0 | | |
| 27-1/2" | 97" | 120.0 | |
| 30-1/2" | | 120.0 | |
| 33-1/2" | | 120.0 | |
| 36-1/2" | | 120.0 | |
| 39-1/2" | | 120.0 | |
| 42-1/2" | | 120.0 | |
| 45-1/2" | | 119.0 | |
| 48-1/2" | | 118.0 | |
| 51-1/2" | | 117.0 | |
| 57-1/2" | | 117.0 | |
| 27-1/2" | 103" | 120.0 | |
| 30-1/2" | | 120.0 | |
| 33-1/2" | | 120.0 | |
| 36-1/2" | | 120.0 | |
| 39-1/2" | | 117.0 | |
| 42-1/2" | | 110.0 | |
| 45-1/2" | | 107.0 | |
| 48-1/2" | | 107.0 | |
| 57-1/2" | | 120.0 | |
| 27-1/2" | | 109" | 120.0 |
| 30-1/2" | 120.0 | | |
| 33-1/2" | 120.0 | | |
| 36-1/2" | 120.0 | | |
| 39-1/2" | 111.0 | | |
| 42-1/2" | 103.0 | | |
| 45-1/2" | 100.0 | | |
| 57-1/2" | 120.0 | | |
| 27-1/2" | 115" | | 120.0 |
| 30-1/2" | | | 120.0 |
| 33-1/2" | | 120.0 | |
| 36-1/2" | | 119.0 | |
| 39-1/2" | | 106.0 | |
| 42-1/2" | | 98.7 | |
| 45-1/2" | 94.1 | | |

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 05-0919.09
Expiration Date 10/13/03
By: *M. Shate*
Miami Dade Product Control
Division

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

SEP 13 2005

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

SERIES PBS-383 CURTAIN WALL/WINDOW WALL SYSTEM
ARCH ALUMINUM & GLASS L.C.
10200 N.W. 67th street
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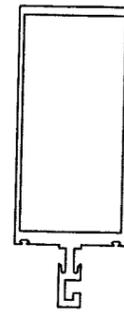
| no | date | description |
|----|----------|--------------------------------|
| A | 09.08.05 | by description CHARTIS REV. |

date: 10-09-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W02-93
sheet 2 of 6

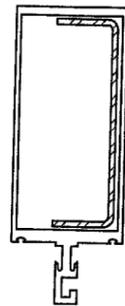
STORE/W02-93AA

| MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS | | | |
|-----------------------------------------------------------------|--------------|---------------------|-------------------|
| NOMINAL DIMS. | | WITHOUT REINFORCING | WITH REINFORCING |
| WIDTH (W) | FRAME HEIGHT | EXT.(+) / INT.(-) | EXT.(+) / INT.(-) |
| 30" | 90" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 120.0 | 120.0 |
| 48" | | 120.0 | 120.0 |
| 54" | | 120.0 | 120.0 |
| 60" | | 120.0 | 120.0 |
| 30" | 96" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 120.0 | 120.0 |
| 48" | | 120.0 | 120.0 |
| 54" | | 120.0 | 120.0 |
| 60" | | 120.0 | 120.0 |
| 30" | 102" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 120.0 | 120.0 |
| 48" | | 120.0 | 120.0 |
| 54" | | 120.0 | 120.0 |
| 60" | | 120.0 | 120.0 |
| 30" | 108" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 120.0 | 120.0 |
| 48" | | 118.2 | 120.0 |
| 54" | | 107.0 | 120.0 |
| 60" | | 120.0 | 120.0 |
| 30" | 114" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 118.0 | 120.0 |
| 48" | | 104.8 | 120.0 |
| 54" | | 120.0 | 120.0 |
| 60" | | 120.0 | 120.0 |
| 30" | 120" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 105.5 | 120.0 |
| 48" | | 93.5 | 113.6 |
| 54" | | 120.0 | 120.0 |
| 60" | | 120.0 | 120.0 |



FRAME JAMB
MULLION

WITHOUT REINFORCING



MULLION

WITH REINFORCING

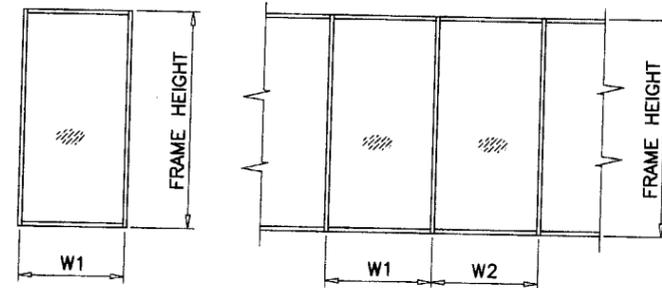
| MULLION LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS | | | |
|--------------------------------------------------------------|--------------|---------------------|-------------------|
| NOMINAL DIMS. | | WITHOUT REINFORCING | WITH REINFORCING |
| WIDTH (W) | FRAME HEIGHT | EXT.(+) / INT.(-) | EXT.(+) / INT.(-) |
| 30" | 90" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 120.0 | 120.0 |
| 48" | | 120.0 | 120.0 |
| 54" | | 120.0 | 120.0 |
| 60" | | 120.0 | 120.0 |
| 30" | 96" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 120.0 | 120.0 |
| 48" | | 120.0 | 120.0 |
| 54" | | 120.0 | 120.0 |
| 60" | | 113.3 | 120.0 |
| 30" | 102" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 120.0 | 120.0 |
| 48" | | 120.0 | 120.0 |
| 54" | | 111.2 | 120.0 |
| 60" | | 120.0 | 120.0 |
| 30" | 108" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 120.0 | 120.0 |
| 48" | | 111.6 | 120.0 |
| 54" | | 99.2 | 120.0 |
| 60" | | 120.0 | 120.0 |
| 30" | 114" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 114.5 | 120.0 |
| 48" | | 100.2 | 119.3 |
| 54" | | 120.0 | 120.0 |
| 60" | | 120.0 | 120.0 |
| 30" | 120" | 120.0 | 120.0 |
| 36" | | 120.0 | 120.0 |
| 42" | | 103.3 | 120.0 |
| 48" | | 90.4 | 107.7 |
| 54" | | 120.0 | 120.0 |
| 60" | | 120.0 | 120.0 |

| ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-) | | | | |
|-------------------------------------------------|--------------|----------|----------|----------|
| NOMINAL DIMS. | | TYPE 'A' | TYPE 'B' | TYPE 'C' |
| WIDTH (W) | FRAME HEIGHT | 'A2' | 'B2' | 'C2' |
| 30" | 90" | 120.0 | 120.0 | 120.0 |
| 36" | | 109.9 | 120.0 | 120.0 |
| 42" | | 94.2 | 120.0 | 120.0 |
| 48" | | 82.4 | 120.0 | 105.3 |
| 54" | | 73.2 | 120.0 | 93.6 |
| 60" | | 65.9 | 119.6 | 84.3 |
| 30" | 96" | 120.0 | 120.0 | 120.0 |
| 36" | | 103.0 | 120.0 | 120.0 |
| 42" | | 88.3 | 120.0 | 112.9 |
| 48" | | 77.3 | 120.0 | 98.8 |
| 54" | | 68.7 | 120.0 | 87.8 |
| 60" | | 61.8 | 112.1 | 79.0 |
| 30" | 102" | 116.3 | 120.0 | 120.0 |
| 36" | | 96.9 | 120.0 | 120.0 |
| 42" | | 83.1 | 120.0 | 106.2 |
| 48" | | 72.7 | 120.0 | 92.9 |
| 54" | | 64.6 | 117.2 | 82.6 |
| 60" | | 120.0 | 120.0 | 120.0 |
| 30" | 108" | 109.9 | 120.0 | 120.0 |
| 36" | | 91.6 | 120.0 | 117.0 |
| 42" | | 78.5 | 120.0 | 100.3 |
| 48" | | 68.7 | 120.0 | 87.8 |
| 54" | | 120.0 | 120.0 | 120.0 |
| 60" | | 120.0 | 120.0 | 120.0 |
| 30" | 114" | 104.1 | 120.0 | 120.0 |
| 36" | | 86.7 | 120.0 | 110.9 |
| 42" | | 74.3 | 120.0 | 95.0 |
| 48" | | 65.1 | 118.0 | 83.2 |
| 54" | | 120.0 | 120.0 | 120.0 |
| 60" | | 120.0 | 120.0 | 120.0 |
| 30" | 120" | 98.9 | 120.0 | 120.0 |
| 36" | | 82.4 | 120.0 | 105.3 |
| 42" | | 70.6 | 120.0 | 90.3 |
| 48" | | 61.8 | 112.1 | 79.0 |
| 54" | | 120.0 | 120.0 | 120.0 |
| 60" | | 120.0 | 120.0 | 120.0 |

ANCHORS TYPES: SEE SHEET 4 FOR DESCRIPTION

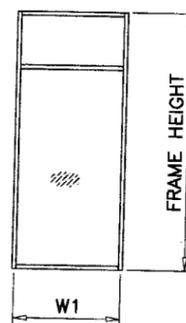
- A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION OR JAMB
- B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION OR JAMB
- C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION OR JAMB

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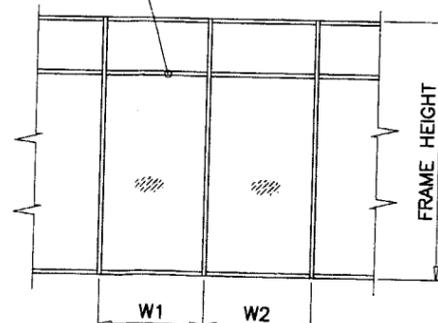


WIDTH (W) = W1 (JAMB)

WIDTH (W) = $\frac{W1 + W2}{2}$



WIDTH (W) = W1 (JAMB)



WIDTH (W) = $\frac{W1 + W2}{2}$

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

SEP 13 2005

afc

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 STORE W02-93AA

SERIES PBS-383 CURTAIN WALL/WINDOW WALL SYSTEM

ARCH ALUMINUM & GLASS L.C.
 10200 N.W. 67th street
 TAMARAC, FL. 33321
 TEL. (800) 432-8132 FAX. (954) 724-9293

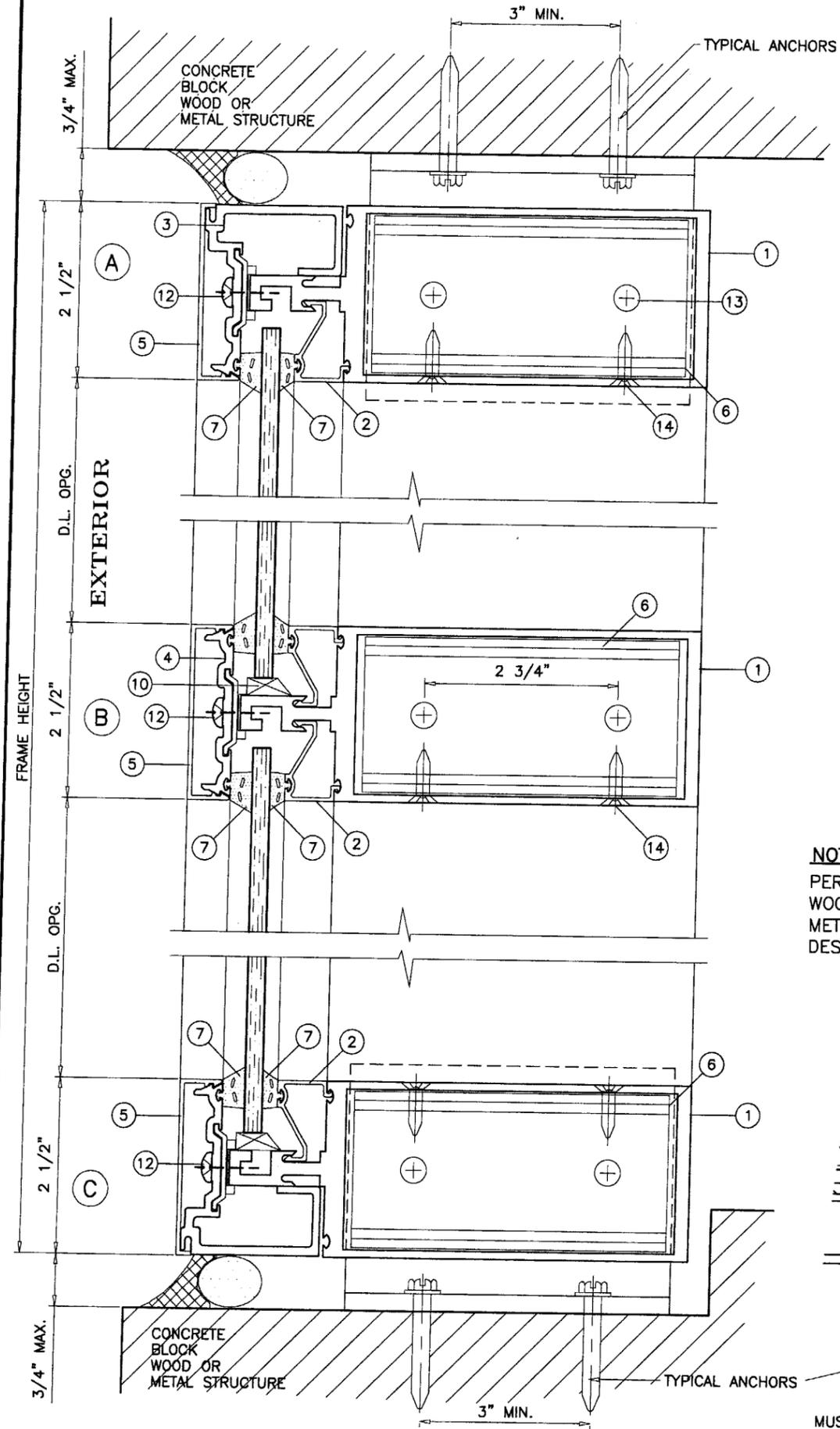
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| A | 09.08.05 | by description CHARTIS REV. |

revisions:

date: 10-09-02
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W02-93

sheet 3 of 6



| ITEM NO. | PART NUMBER | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|----------|---------------|------------------|-----------------------------------|----------------|---------------------------|
| 1 | 38309 | AS REQD. | FRAME HEAD/SILL/JAMB/MULLION | 6063-T6 | ARCH ALUMINUM |
| 2 | 38331 | AS REQD. | GLAZING ADAPTER | 6063-T5 | ARCH ALUMINUM |
| 3 | 38324 | AS REQD. | END PRESSURE PLATE | 6063-T5 | ARCH ALUMINUM |
| 4 | 38364 | AS REQD. | CENTER PRESSURE PLATE | 6005-T6 | ARCH ALUMINUM |
| 5 | - | AS REQD. | SNAP IN COVER | 6063-T6 | ARCH ALUMINUM |
| 6 | 38365 | 1/ HORIZ. CORNER | SHEAR BLOCK | 6063-T5 | ARCH ALUMINUM |
| 7 | 05481-47 | AS REQD. | GLAZING GASKET | EPDM | - |
| 8 | 38395 | 1/ END | 'H' ANCHOR CLIP AT CENTER MULLION | 6005-T6 | ARCH ALUMINUM |
| 9 | 38396 | 1/ END | 'F' ANCHOR CLIP AT END MULLION | 6005-T6 | ARCH ALUMINUM |
| 10 | BN0812 | AS REQD. | SETTING BLOCK AT QUARTER POINTS | EPDM DUR. 90±5 | .63" X .61" X 4" LONG |
| 11 | - | - | - | - | - |
| 12 | 1/4-20 X 5/8" | AS REQD. | PRESSURE PL. SCREWS | - | AT 4" FROM ENDS & 8" O.C. |
| 13 | 1/4-20 X 5/8" | 2/ CLIP | SHEAR BLOCK SCREWS | - | PHMS |
| 14 | #12-24 X 3/4" | 2/ CLIP | SHEAR BLOCK SCREWS | - | FHMS |

WOOD BUCKS AND METAL STRUCTURES NOT BY ARCH ALUMINUM MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 5/16" TAPCONS
 INTO WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY OR 2BY WOOD BUCKS INTO
 3000 PSI MIN. CONC.
 1-1/4" MIN. EMBED INTO CONC.

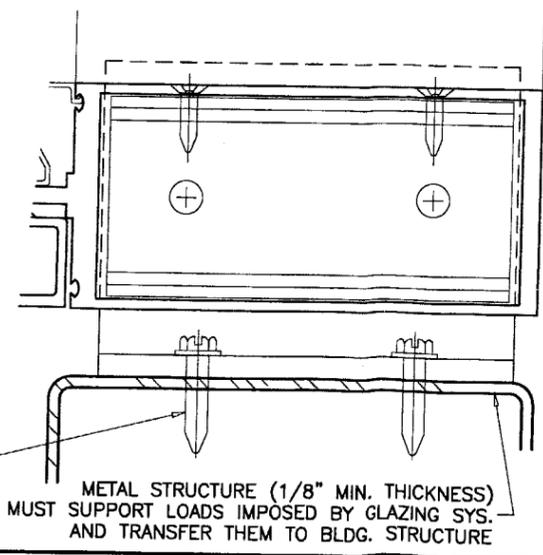
TYPE 'B' - 5/16" TAPCONS
 DIRECTLY INTO 3000 PSI MIN. CONC.
 1-1/4" MIN. EMBED INTO CONC.

TYPE 'C' - #14 SMS OR 1/4" SELF DRILLING SCREWS
 INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)
 STEEL : Fy = 36 KSI MIN.
 ALUMINUM : 6063-T5 MIN.
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 3" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

SEALANTS:
 PRESSURE PLATE TO GLASS, PRESSURE PLATE FASTENERS, MULLION AND FRAME CORNER SEAMS ON INTERIOR AND EXTERIOR TO BE SEALED WITH SILICONE.

NOTE:
 PERIMETER INSTALLATIONS MAY BE TO WOOD, WOOD BUCKS, DIRECTLY TO MASONRY OR METAL STRUCTURES USING ANCHORS AS DESCRIBED ABOVE.



METAL STRUCTURE (1/8" MIN. THICKNESS) MUST SUPPORT LOADS IMPOSED BY GLAZING SYS. AND TRANSFER THEM TO BLDG. STRUCTURE

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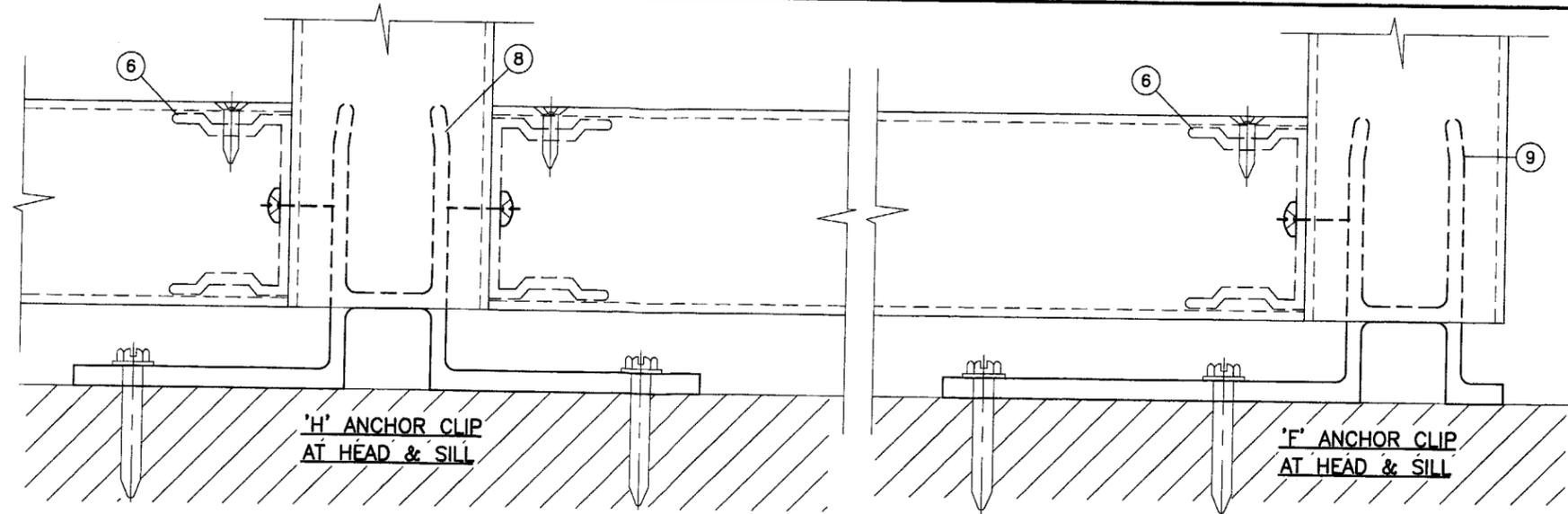
PRODUCT REVISED
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 Expiration Date 10/13/03
 By *[Signature]*
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| | | | |
|-------------|-----------|----------|--------------|
| revisions: | no | date | description |
| | A | 09.08.05 | ANCHORS REV. |
| date: | 10-09-02 | | |
| scale: | 1/2" = 1" | | |
| dr. by: | HAMID | | |
| chk. by: | | | |
| drawing no. | W02-93 | | |
| sheet | 4 of 6 | | |

STORE W02-93AA

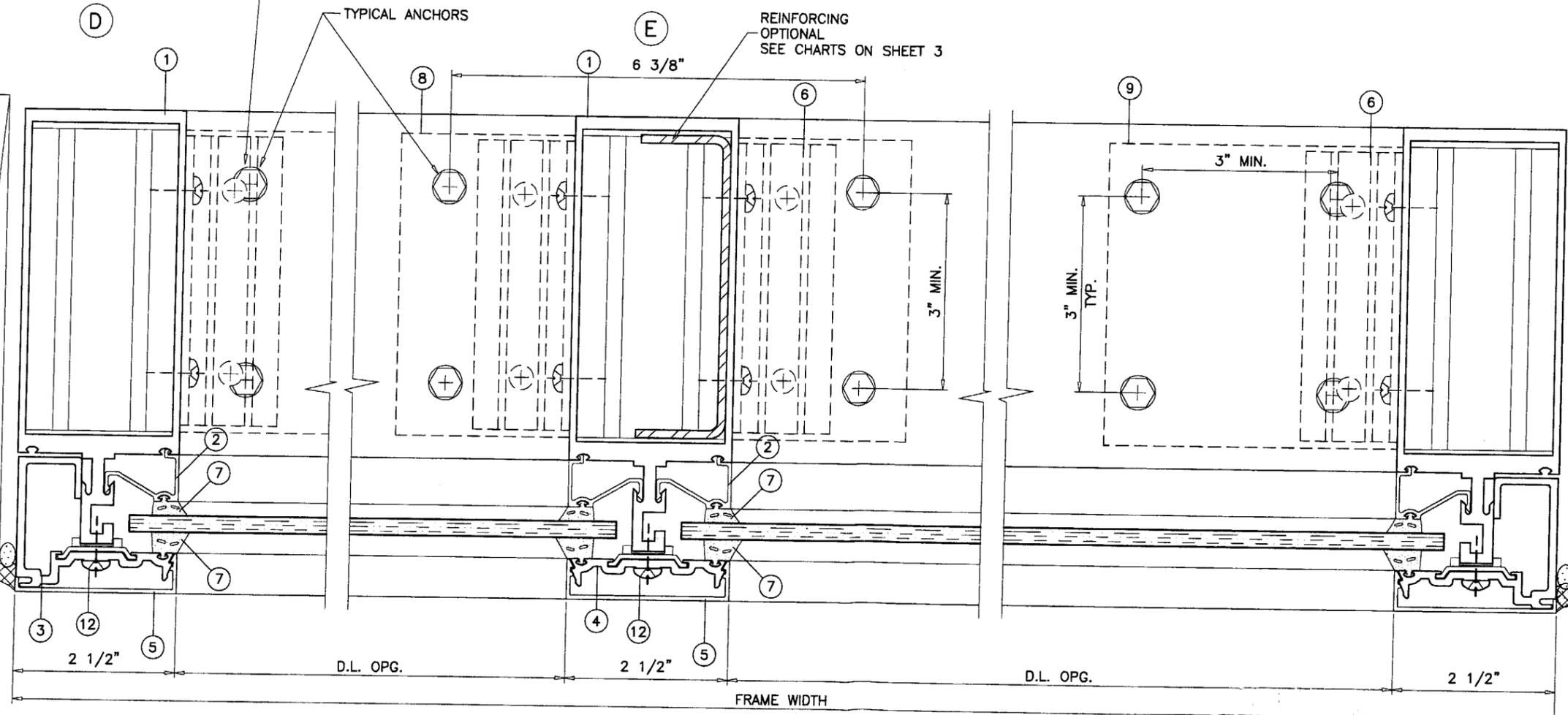


SEE OPPOSITE END FOR FULL JAMB ANCHORS

WOOD BUCK FILLER OPTIONAL BY OTHERS

TYPICAL ANCHORS

REINFORCING OPTIONAL SEE CHARTS ON SHEET 3



EXTERIOR

JAMBS ARE DESIGNED TO BE ANCHORED AT TOP AND BOTTOM ONLY

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

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revisions:

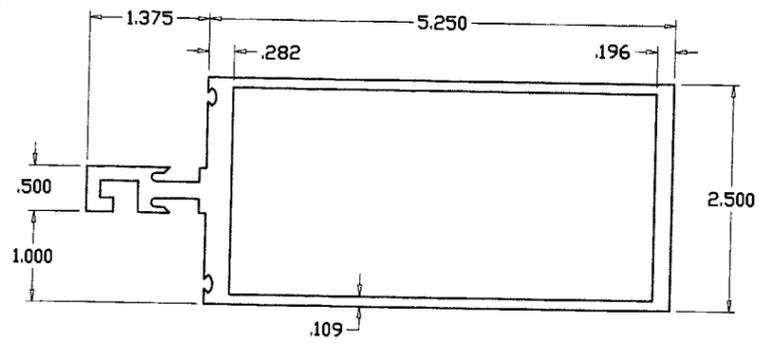
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|----|----------|-------------------|
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date: 10-09-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

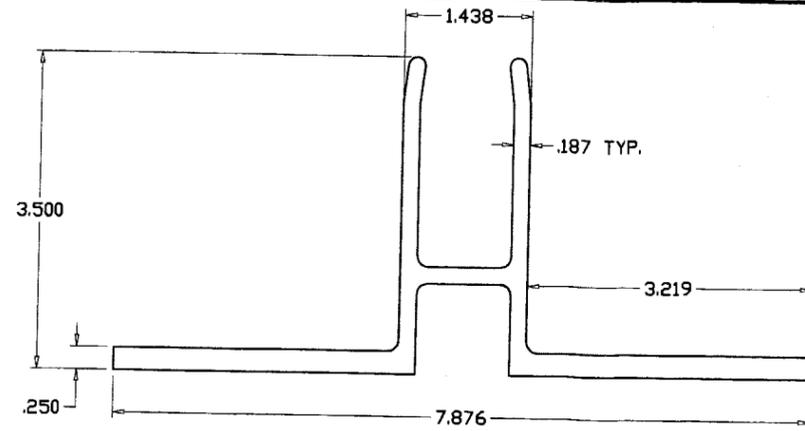
drawing no.
W02-93

sheet 5 of 6

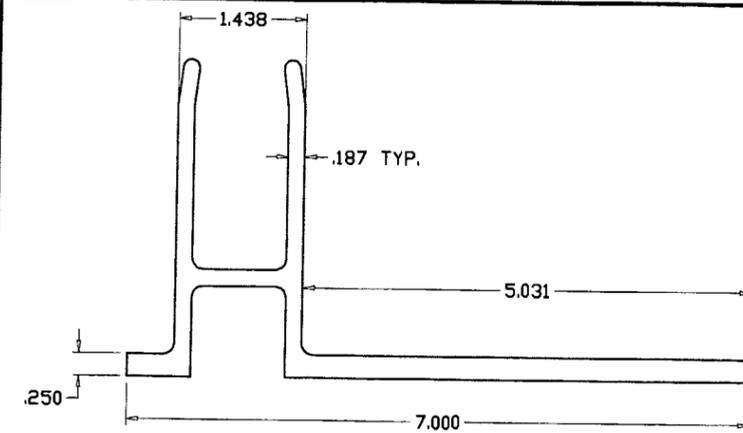
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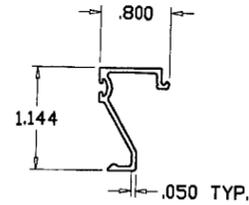
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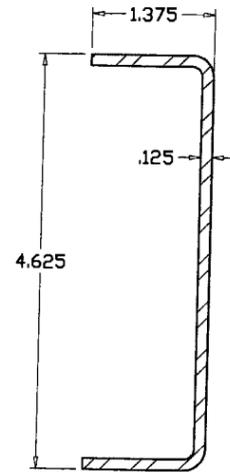
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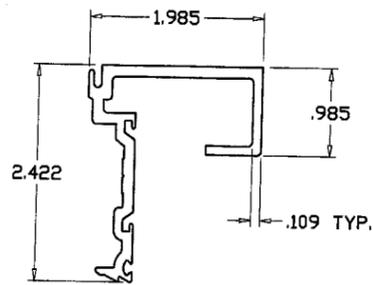
'F' ANCHOR CLIP # 38396



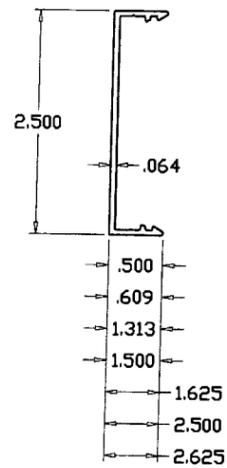
GLAZING BEAD # 38331



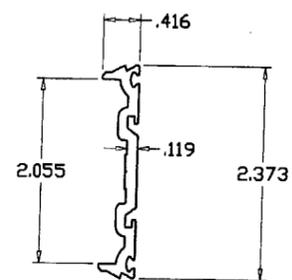
REINFORCING CHANNEL



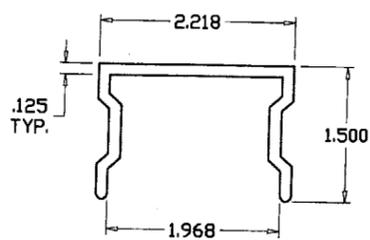
PRESSURE BAR # 38324



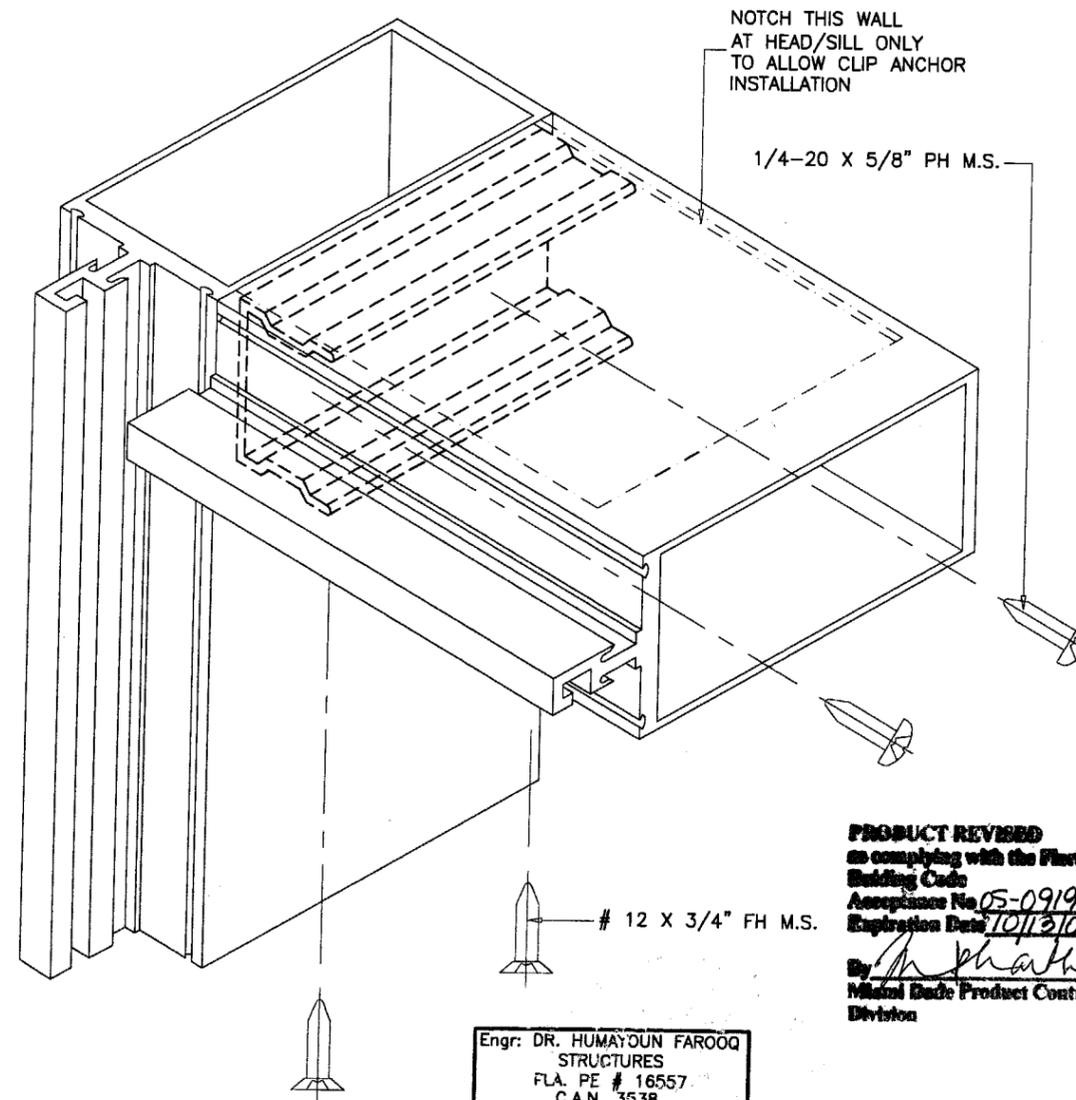
SNAP IN COVERS



PRESSURE BAR # 38364



SHEAR BLOCK # 38355



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| A | 08.08.05 | | REINFORCING ADDED |

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 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

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W02-93

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