



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.buldingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

NR Architectural Products
4348 Westroads Drive
West Palm Beach, FL 33407

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 6000 Aluminum Window Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-65**, titled "NRAP Fixed Window Wall Sys. Series 6000. (L.M.I.)", sheets 1 through 9 of 9, dated 08/27/07 with revision B dated 03/02/09, 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 revises NOA # **07-1219.14** 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 **Fitz A. Harris, P.E.**



Fitz A. Harris
6/8/09

NOA No. 09-0407.03
Expiration Date: April 24, 2013
Approval Date: July 1, 2009
Page 1

NR Architectural Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W07-65**, Sheets 1 through 9 of 9, titled "NRAP Fixed Window Wall Sys. Series 6000 (L.M.I.)", dated 08/27/07 with revision B dated 03/02/09, 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, 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 an aluminum window wall system, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL- 0242-0217-05**, Specimen M4 and **HTL-0242-0310-07**, Specimens M4A & M4B, dated 8/27/07, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under previous NOA # 07-1219.14)
2. Test reports on: 1) Uniform Static Air Pressure Test,
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum window wall system,, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0242-0310-07**, Specimens M4A & M4B, dated 11 /07/07, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under previous NOA # 07-1219.14)

C. CALCULATIONS

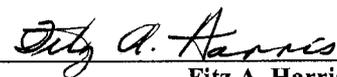
1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 3/18/09, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1302-04

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 Sentry Glass ® Plus**" dated 01/03/08, expiring on 01/14/12:



Fitz A. Harris, P.E.

Product Control Examiner

NOA No. 09-0407.03

Expiration Date: April 24, 2013

Approval Date: July 1, 2009

NR Architectural Products

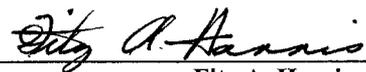
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, dated February 24, 2009, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated February 24, 2009, signed and sealed by Humayoun Farooq, P.E.
3. Laboratory compliance letter for Test Reports No. **HTL- 0242-0217-05** Specimen M4 and **HTL-0242-0310-07** Specimens M4A & M4B, issued by Hurricane Test Laboratory, Inc., dated August 21, 2007, signed and sealed by Vinu J. Abraham, P.E.
4. Laboratory compliance letter for Test Report No. **HTL-0242-0310-07** Specimens M10 & M12B, issued by Hurricane Test Laboratory, Inc., dated November 7, 2007, signed and sealed by Vinu J. Abraham, P.E.

G. OTHER

1. None.



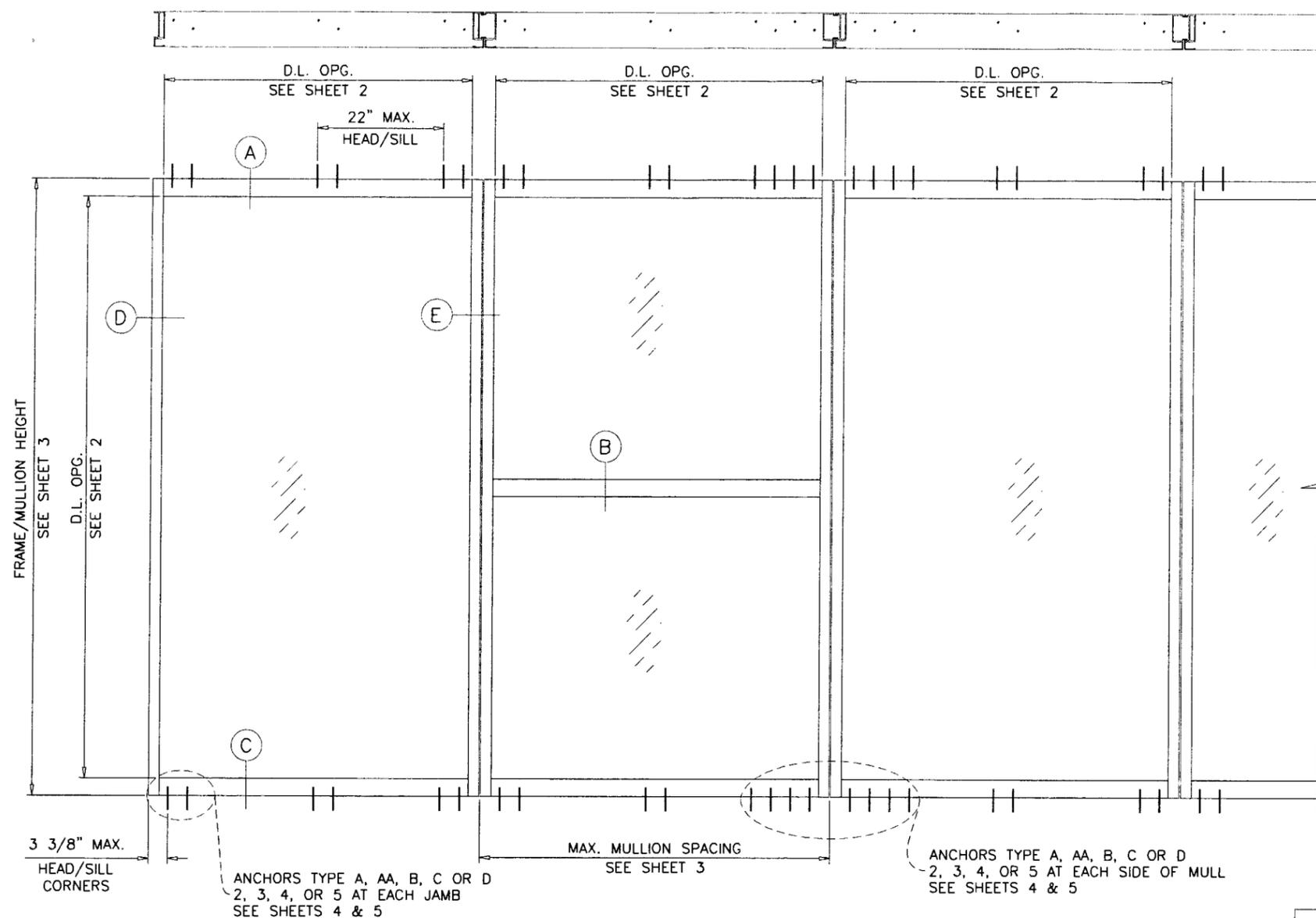
Fitz A. Harris, P.E.

Product Control Examiner

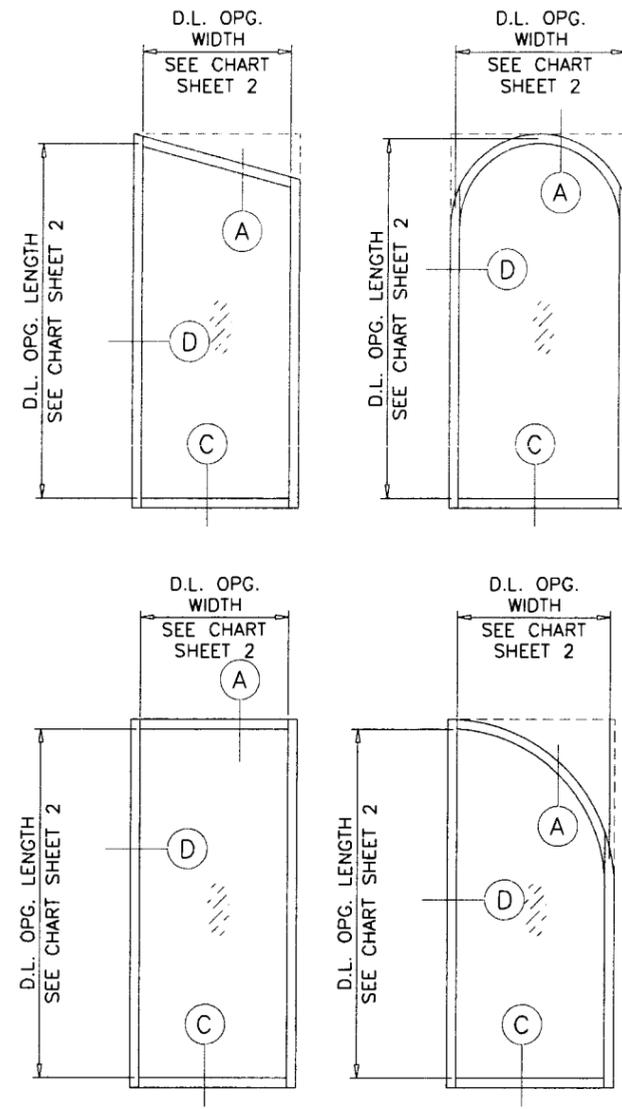
NOA No. 09-0407.03

Expiration Date: April 24, 2013

Approval Date: July 1, 2009



TYPICAL ELEVATIONS



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

NRAP FIXED WINDOW WALL SYSTEM SERIES 6000

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT SHUTTERS ARE NOT 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 2004/2007 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 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

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 SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- 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 CHARTS ON SHEET 4 & 5 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.

**LAMINATED GLASS
LARGE MISSILE IMPACT**

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

MAR 18 2009

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **09-0407-03**
Expiration Date **4-24-2013**
By *[Signature]*
Miami Dade Product Control
Division

afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
12335 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE/W07-65NR

NRAP FIXED WINDOW WALL SYS. SERIES 6000 (L.M.I.)
NR ARCHITECTURAL PRODUCTS
4348 WESTROADS DRIVE
WEST PALM BEACH, FL. 33407
TEL. (561) 844-1121 FAX. (561) 844-6131

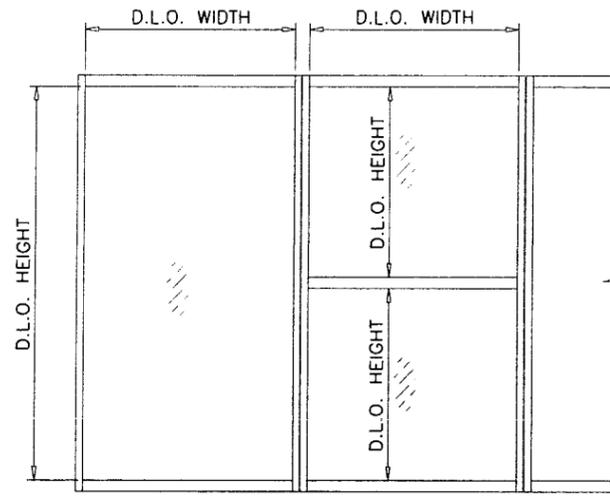
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A	03.26.08	ANCHORS REV.
B	03.02.09	ANCHORS REV.

revisions:

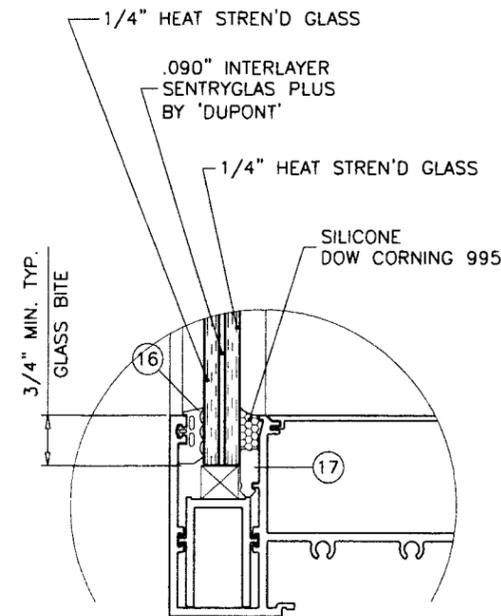
date: 08-27-07
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no. **W07-65**
sheet 1 of 9

GLASS LOAD CAPACITY -- PSF		
NOMINAL DIMS.		LAM. GLASS
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)/INT.(-)
32-1/4"	78"	140.0
38-1/4"		140.0
44-1/4"		140.0
50-1/4"		140.0
56-1/4"		140.0
62-1/4"		137.5
68-1/4"	133.7	
32-1/4"	84"	140.0
38-1/4"		140.0
44-1/4"		140.0
50-1/4"		140.0
56-1/4"		136.6
62-1/4"		132.5
68-1/4"	124.4	
32-1/4"	90"	140.0
38-1/4"		140.0
44-1/4"		140.0
50-1/4"		139.0
56-1/4"		131.9
62-1/4"		122.9
68-1/4"	115.2	
32-1/4"	96"	140.0
38-1/4"		140.0
44-1/4"		140.0
50-1/4"		131.2
56-1/4"		122.7
62-1/4"		113.7
32-1/4"	102"	140.0
38-1/4"		140.0
44-1/4"		140.0
50-1/4"		139.5
56-1/4"		126.5
62-1/4"		114.7
32-1/4"	108"	140.0
38-1/4"		140.0
44-1/4"		133.3
50-1/4"		119.4
56-1/4"		107.6
32-1/4"		113"
38-1/4"	140.0	
44-1/4"	128.9	
50-1/4"	114.4	
56-1/4"	102.5	
57-1/2"	100.9	



D.L.O. WIDTH = PANEL WIDTH - 3.75"
D.L.O. HEIGHT = PANEL HEIGHT - 6.0"



9/16" OVERALL LAM. GLASS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS).

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

MAR 18 2009

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0407-03
Expiration Date 4-24-2013

By *John Harris*
Miami Code Product Control
Division

afc
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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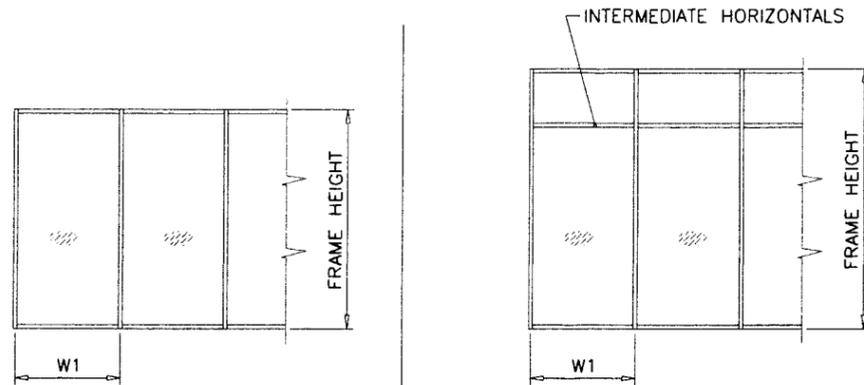
NRAP FIXED WINDOW WALL SYS. SERIES 6000 (L.M.I.)
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4348 WESTROADS DRIVE
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no	date	description
A	03.26.08	NO CHANGE THIS SHEET
B	03.02.09	NOTE REV.

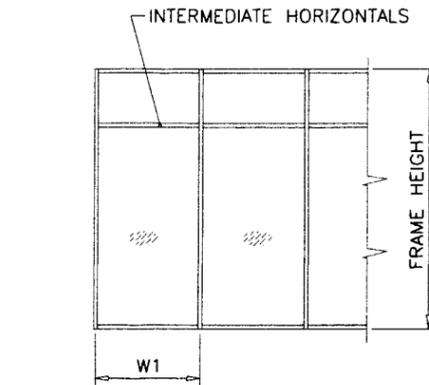
revisions:
date: 08-27-07
scale: -
dr. by: HAMID
chk. by:

drawing no.
W07-65
sheet 2 of 9

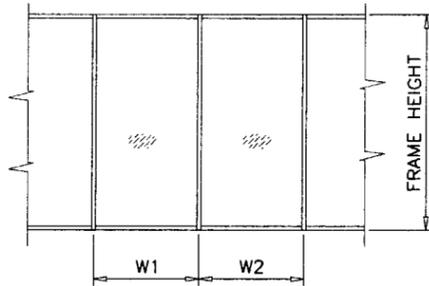
MULLION LOAD CAPACITY - PSF							
MULLIONS WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB 'J1'		MULL 'M2'		JAMB 'J2'	
WIDTH (W)	FRAME HEIGHT	MULL 'M1'	MULL 'M3'	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36"	84"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	140.0	120.0	140.0
66"		100.0	100.0	120.0	140.0	120.0	140.0
72"		100.0	100.0	120.0	140.0	120.0	140.0
36"	90"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	140.0	120.0	140.0
66"		100.0	100.0	120.0	140.0	120.0	140.0
72"		100.0	100.0	120.0	140.0	120.0	140.0
36"	96"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	140.0	120.0	140.0
66"		100.0	100.0	120.0	140.0	120.0	140.0
72"		100.0	100.0	120.0	140.0	120.0	140.0
36"	102"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	140.0	120.0	140.0
66"		100.0	100.0	120.0	140.0	120.0	140.0
72"		100.0	100.0	120.0	138.4	120.0	138.4
36"	108"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	140.0	120.0	140.0
66"		100.0	100.0	120.0	140.0	120.0	140.0
36"	114"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	140.0	120.0	140.0
36"	119"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	135.9	120.0	140.0
61"		100.0	100.0	120.0	134.0	120.0	140.0



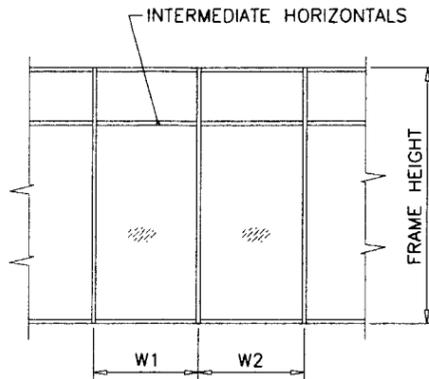
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AT FRAME JAMB



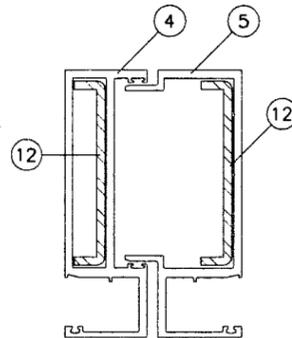
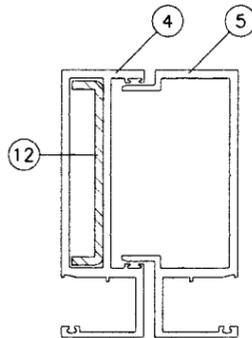
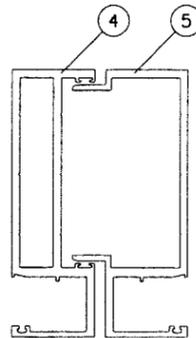
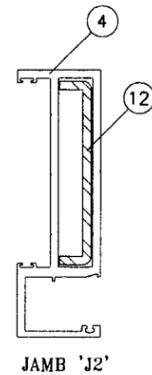
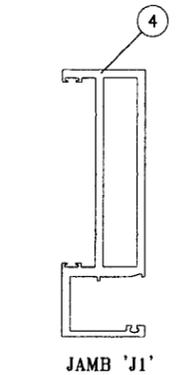
WIDTH (W) = W1
AT FRAME JAMB



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



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



MULLION LOAD CAPACITY - PSF							
MULLIONS WITH INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB 'J1'		MULL 'M2'		JAMB 'J2'	
WIDTH (W)	FRAME HEIGHT	MULL 'M1'	MULL 'M3'	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36"	84"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	140.0	120.0	140.0
66"		100.0	100.0	120.0	140.0	120.0	140.0
72"		100.0	100.0	120.0	140.0	120.0	140.0
36"	90"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	140.0	120.0	140.0
66"		100.0	100.0	120.0	140.0	120.0	140.0
72"		100.0	100.0	120.0	140.0	120.0	140.0
36"	96"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	140.0	120.0	140.0
66"		100.0	100.0	120.0	140.0	120.0	140.0
72"		100.0	100.0	120.0	140.0	120.0	140.0
36"	102"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	140.0	120.0	140.0
66"		100.0	100.0	120.0	140.0	120.0	140.0
72"		100.0	100.0	120.0	138.4	120.0	140.0
36"	108"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	140.0	120.0	140.0
66"		100.0	100.0	120.0	137.5	120.0	140.0
36"	114"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	140.0	120.0	140.0
60"		100.0	100.0	120.0	135.8	120.0	140.0
36"	119"	100.0	100.0	120.0	140.0	120.0	140.0
42"		100.0	100.0	120.0	140.0	120.0	140.0
48"		100.0	100.0	120.0	140.0	120.0	140.0
54"		100.0	100.0	120.0	138.5	120.0	140.0
60"		100.0	100.0	120.0	124.6	120.0	140.0
61"		100.0	100.0	120.0	122.6	120.0	140.0

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

MAR 18 2009

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0407-03
Expiration Date 4-24-2013

By *[Signature]*
Miami Code Product Control
Division

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W07-65NR

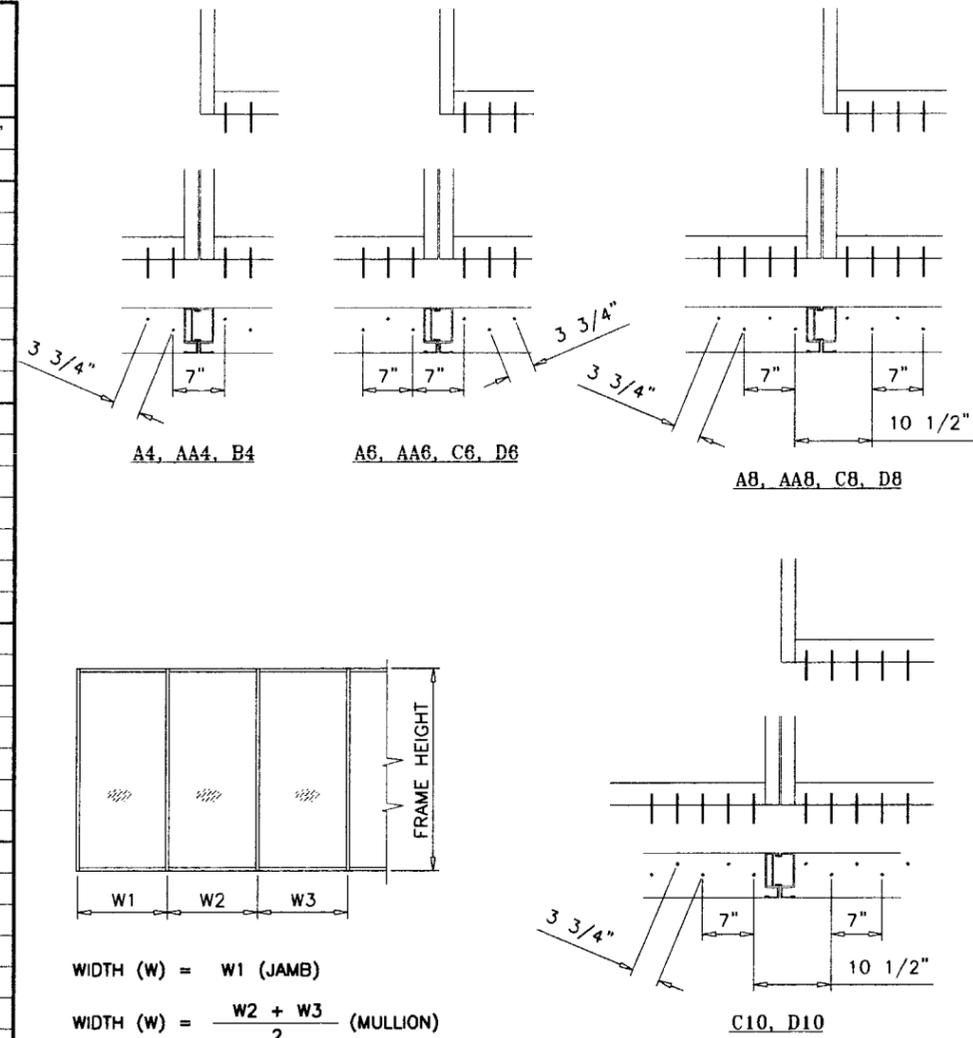
NRAP FIXED WINDOW WALL SYS. SERIES 6000 (L.M.I.)
NR ARCHITECTURAL PRODUCTS
4348 WESTROADS DRIVE
WEST PALM BEACH, FL. 33407
TEL. (561) 844-1121 FAX. (561) 844-6131

no	date	description
A	03.26.08	NO CHANGE THIS SHEET
B	03.02.09	NO CHANGE THIS SHEET

date: 08-27-07
scale: -
dr. by: H-AMID
chk. by:
drawing no. **W07-65**
sheet 3 of 9

ANCHOR LOAD CAPACITY - PSF
MULLIONS WITHOUT INTERMEDIATE HORIZONTALS
EXT.(+) & INT.(-)

NOMINAL DIMS.		1/2" MAX. SHIM SPACE											1/4" MAX. SHIM SPACE				
		ANCHORS TYPE 'A'			ANCHORS TYPE 'AA'			ANCHORS TYPE 'C'			ANCHORS TYPE 'D'			ANCH. TYPE 'AA'		ANCH. TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A4	A6	A8	AA4	AA6	AA8	C6	C8	C10	D6	D8	D10	AA4	AA6	B4	
36"	84"	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
42"		140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
48"		140.0	140.0	140.0	140.0	140.0	140.0	139.2	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
54"		140.0	140.0	140.0	140.0	140.0	140.0	130.2	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
60"		140.0	140.0	140.0	140.0	140.0	140.0	123.7	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
66"		140.0	140.0	140.0	140.0	140.0	140.0	119.1	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
72"		140.0	140.0	140.0	140.0	140.0	140.0	116.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
36"	90"	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
42"		140.0	140.0	140.0	140.0	140.0	140.0	138.3	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
48"		140.0	140.0	140.0	140.0	140.0	140.0	126.5	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
54"		140.0	140.0	140.0	140.0	140.0	140.0	117.8	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
60"		140.0	140.0	140.0	140.0	140.0	140.0	111.4	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
66"		140.0	140.0	140.0	140.0	140.0	140.0	106.6	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
72"		140.0	140.0	140.0	140.0	140.0	140.0	103.1	137.5	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
36"	96"	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
42"		140.0	140.0	140.0	140.0	140.0	140.0	127.3	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
48"		140.0	140.0	140.0	140.0	140.0	140.0	116.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
54"		140.0	140.0	140.0	140.0	140.0	140.0	107.6	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
60"		138.8	140.0	140.0	140.0	140.0	140.0	101.2	135.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
66"		132.2	140.0	140.0	140.0	140.0	140.0	96.4	128.6	140.0	133.8	140.0	140.0	140.0	140.0	140.0	
72"		127.2	140.0	140.0	140.0	140.0	140.0	92.8	123.7	140.0	128.8	140.0	140.0	140.0	140.0	140.0	
36"	102"	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
42"		140.0	140.0	140.0	140.0	140.0	140.0	117.8	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
48"		140.0	140.0	140.0	140.0	140.0	140.0	107.1	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
54"		135.7	140.0	140.0	140.0	140.0	140.0	99.0	132.0	140.0	137.4	140.0	140.0	140.0	140.0	140.0	
60"		127.2	140.0	140.0	140.0	140.0	140.0	92.8	123.7	140.0	128.8	140.0	140.0	140.0	140.0	140.0	
66"		120.7	140.0	140.0	135.1	140.0	140.0	88.0	117.4	140.0	122.2	140.0	140.0	140.0	140.0	140.0	
72"		115.6	140.0	140.0	129.5	140.0	140.0	84.4	112.5	140.0	117.1	140.0	140.0	140.0	140.0	140.0	
36"	108"	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
42"		140.0	140.0	140.0	140.0	140.0	140.0	123.7	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
48"		136.3	140.0	140.0	140.0	140.0	140.0	99.4	132.6	140.0	138.0	140.0	140.0	140.0	140.0	140.0	
54"		125.6	140.0	140.0	140.0	140.0	140.0	91.7	122.2	140.0	127.2	140.0	140.0	140.0	140.0	140.0	
60"		117.4	140.0	140.0	131.4	140.0	140.0	85.7	114.2	140.0	118.9	140.0	140.0	140.0	140.0	140.0	
66"		111.0	140.0	140.0	124.3	140.0	140.0	81.0	108.0	135.0	112.4	140.0	140.0	140.0	140.0	140.0	
36"		114"	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42"	140.0		140.0	140.0	140.0	140.0	140.0	102.6	136.8	140.0	140.0	140.0	140.0	140.0	140.0	140.0	
48"	127.2		140.0	140.0	140.0	140.0	140.0	92.8	123.7	140.0	128.8	140.0	140.0	140.0	140.0	140.0	
54"	117.0		140.0	140.0	130.9	140.0	140.0	85.3	113.8	140.0	118.4	140.0	140.0	140.0	140.0	140.0	
60"	109.0		140.0	140.0	122.1	140.0	140.0	79.5	106.1	132.6	110.4	140.0	140.0	140.0	140.0	140.0	
36"	119"		140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42"			133.5	140.0	140.0	140.0	140.0	140.0	97.4	129.9	140.0	135.2	140.0	140.0	140.0	140.0	140.0
48"		120.5	140.0	140.0	134.9	140.0	140.0	87.9	117.2	140.0	122.0	140.0	140.0	140.0	140.0	140.0	
54"		110.6	140.0	140.0	123.8	140.0	140.0	80.7	107.6	134.5	112.0	140.0	140.0	140.0	140.0	140.0	
60"		102.9	140.0	140.0	115.2	140.0	140.0	75.1	100.1	125.1	104.2	138.9	140.0	140.0	140.0	140.0	
61"		101.8	140.0	140.0	114.0	140.0	140.0	74.3	99.0	123.8	103.1	137.4	140.0	140.0	140.0	140.0	



WIDTH (W) = W1 (JAMB)
WIDTH (W) = $\frac{W2 + W3}{2}$ (MULLION)

ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION

- A4 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB & MULLION
- AA4 = (2) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB & MULLION
- B4 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB & MULLION
- A6 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB & MULLION
- AA6 = (3) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB & MULLION
- C6 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB & MULLION
- D6 = (3) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB & MULLION
- A8 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB & MULLION
- AA8 = (4) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB & MULLION
- C8 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB & MULLION
- D8 = (4) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB & MULLION
- C10 = (5) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB & MULLION
- D10 = (5) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB & MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

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

MAR 18 2009

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0407-03
Expiration Date 4-24-2013

By *Steve Harris*
Miami Dade Product Control
Division

a f c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
12335 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W07-65NR

NRAP FIXED WINDOW WALL SYS. SERIES 6000 (L.M.I.)
NR ARCHITECTURAL PRODUCTS
4348 WESTROADS DRIVE
WEST PALM BEACH, FL. 33407
TEL. (561) 844-1121 FAX. (561) 844-6131

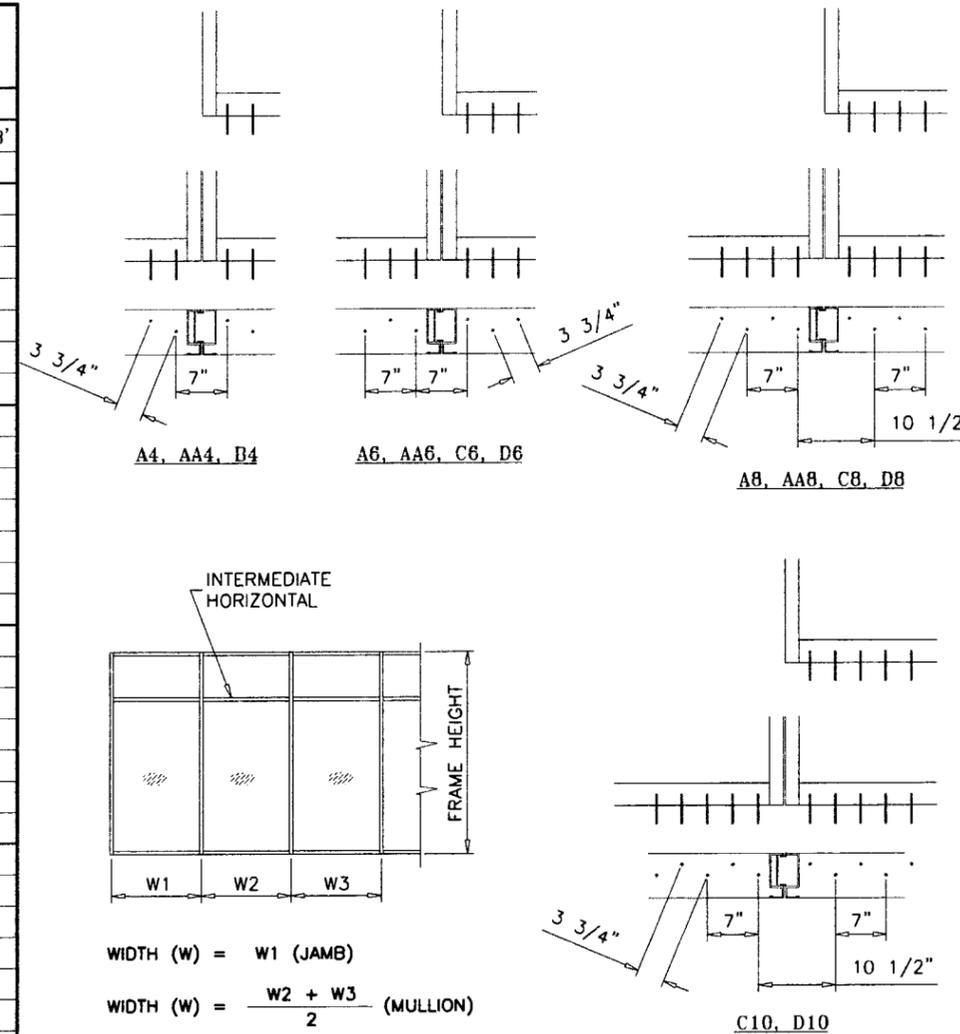
no	date	description
A	03.26.08	ANCHOR CHARTS REV.
B	03.02.09	ANCHOR CHART REV.

date: 08-27-07
scale: -
dr. by: HAMID
chk. by:

drawing no.
W07-65
sheet 4 of 9

ANCHOR LOAD CAPACITY - PSF
MULLIONS WITH INTERMEDIATE HORIZONTALS
 EXT.(+) & INT.(-)

NOMINAL DIMS.		1/2" MAX. SHIM SPACE											1/4" MAX. SHIM SPACE			
		ANCHORS TYPE 'A'			ANCHORS TYPE 'AA'			ANCHORS TYPE 'C'			ANCHORS TYPE 'D'		ANCH. TYPE 'AA'		ANCH. TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A4	A6	A8	AA4	AA6	AA8	C6	C8	C10	D6	D8	D10	AA4	AA6	B4
36"	84"	140.0	140.0	140.0	140.0	140.0	140.0	132.6	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42"		140.0	140.0	140.0	140.0	140.0	140.0	113.6	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48"		136.3	140.0	140.0	140.0	140.0	140.0	99.4	132.6	140.0	138.0	140.0	140.0	140.0	140.0	140.0
54"		121.1	140.0	140.0	135.6	140.0	140.0	88.4	117.8	140.0	122.7	140.0	140.0	140.0	140.0	140.0
60"		109.0	140.0	140.0	122.1	140.0	140.0	79.5	106.1	132.6	110.4	140.0	140.0	140.0	140.0	140.0
66"		99.1	140.0	140.0	111.0	140.0	140.0	72.3	96.4	120.5	100.4	133.8	140.0	140.0	140.0	140.0
72"		90.9	136.3	140.0	101.7	140.0	140.0	66.3	88.4	110.5	92.0	122.7	140.0	140.0	140.0	140.0
36"	90"	140.0	140.0	140.0	140.0	140.0	140.0	123.7	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42"		140.0	140.0	140.0	140.0	140.0	140.0	106.1	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
48"		127.2	140.0	140.0	140.0	140.0	140.0	92.8	123.7	140.0	128.8	140.0	140.0	140.0	140.0	140.0
54"		113.1	140.0	140.0	126.6	140.0	140.0	82.5	110.0	137.5	114.5	140.0	140.0	140.0	140.0	140.0
60"		101.8	140.0	140.0	113.9	140.0	140.0	74.2	99.0	123.7	103.0	137.4	140.0	140.0	140.0	140.0
66"		92.5	138.8	140.0	103.6	140.0	140.0	67.5	90.0	112.5	93.7	124.9	140.0	140.0	140.0	140.0
72"		84.8	127.2	140.0	94.9	140.0	140.0	61.9	82.5	103.1	85.9	114.5	140.0	140.0	140.0	140.0
36"	96"	140.0	140.0	140.0	140.0	140.0	140.0	116.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42"		136.3	140.0	140.0	140.0	140.0	140.0	99.4	132.6	140.0	138.0	140.0	140.0	140.0	140.0	140.0
48"		119.3	140.0	140.0	133.5	140.0	140.0	87.0	116.0	140.0	120.8	140.0	140.0	140.0	140.0	140.0
54"		106.0	140.0	140.0	118.7	140.0	140.0	77.3	103.1	128.9	107.3	140.0	140.0	140.0	140.0	140.0
60"		95.4	140.0	140.0	106.8	140.0	140.0	69.6	92.8	116.0	96.6	128.8	140.0	140.0	140.0	140.0
66"		86.7	130.1	140.0	97.1	140.0	140.0	63.3	84.4	105.5	87.8	117.1	140.0	140.0	140.0	140.0
72"		79.5	119.3	140.0	89.0	133.5	140.0	58.0	77.3	96.7	80.5	107.3	134.2	134.1	140.0	140.0
36"	102"	140.0	140.0	140.0	140.0	140.0	140.0	109.2	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42"		128.3	140.0	140.0	140.0	140.0	140.0	93.6	124.8	140.0	129.9	140.0	140.0	140.0	140.0	140.0
48"		112.2	140.0	140.0	125.6	140.0	140.0	81.9	109.2	136.5	113.6	140.0	140.0	140.0	140.0	140.0
54"		99.8	140.0	140.0	111.7	140.0	140.0	72.8	97.0	121.3	101.0	134.7	140.0	140.0	140.0	140.0
60"		89.8	134.7	140.0	100.5	140.0	140.0	65.5	87.3	109.2	90.9	121.2	140.0	140.0	140.0	140.0
66"		81.6	122.4	140.0	91.4	137.1	140.0	59.6	79.4	99.3	82.7	110.2	137.8	137.7	140.0	140.0
72"		74.8	112.2	140.0	83.8	125.6	140.0	54.6	72.8	91.0	75.8	101.0	126.3	126.2	140.0	140.0
36"	108"	140.0	140.0	140.0	140.0	140.0	140.0	103.1	137.5	140.0	140.0	140.0	140.0	140.0	140.0	140.0
42"		121.1	140.0	140.0	135.6	140.0	140.0	88.4	117.8	140.0	122.7	140.0	140.0	140.0	140.0	140.0
48"		106.0	140.0	140.0	118.7	140.0	140.0	77.3	103.1	128.9	107.3	140.0	140.0	140.0	140.0	140.0
54"		94.2	140.0	140.0	105.5	140.0	140.0	68.7	91.7	114.6	95.4	127.2	140.0	140.0	140.0	140.0
60"		84.8	127.2	140.0	94.9	140.0	140.0	61.9	82.5	103.1	85.9	114.5	140.0	140.0	140.0	140.0
66"		77.1	115.6	140.0	86.3	129.5	140.0	56.2	75.0	93.7	78.1	104.1	130.1	130.1	140.0	140.0
72"		70.0	104.0	140.0	79.0	117.0	140.0	51.0	68.0	86.0	73.0	97.0	123.0	123.0	140.0	140.0
36"	114"	133.9	140.0	140.0	140.0	140.0	140.0	97.7	130.2	140.0	135.6	140.0	140.0	140.0	140.0	140.0
42"		114.8	140.0	140.0	128.5	140.0	140.0	83.7	111.6	139.5	116.2	140.0	140.0	140.0	140.0	140.0
48"		100.4	140.0	140.0	112.4	140.0	140.0	73.3	97.7	122.1	101.7	135.6	140.0	140.0	140.0	140.0
54"		89.3	133.9	140.0	99.9	140.0	140.0	65.1	86.8	108.5	90.4	120.5	140.0	140.0	140.0	140.0
60"		80.3	120.5	140.0	89.9	134.9	140.0	58.6	78.1	97.7	81.3	108.5	135.6	135.5	140.0	140.0
66"		73.0	109.0	140.0	73.0	109.0	140.0	51.0	68.0	86.0	73.0	97.0	123.0	123.0	140.0	140.0
72"		66.0	97.0	140.0	66.0	97.0	140.0	44.0	56.0	70.0	66.0	86.0	104.0	104.0	140.0	140.0
36"	119"	128.3	140.0	140.0	140.0	140.0	140.0	93.6	124.8	140.0	129.9	140.0	140.0	140.0	140.0	140.0
42"		109.9	140.0	140.0	123.1	140.0	140.0	80.2	106.9	133.7	111.3	140.0	140.0	140.0	140.0	140.0
48"		96.2	140.0	140.0	107.7	140.0	140.0	70.2	93.6	117.0	97.4	129.9	140.0	140.0	140.0	140.0
54"		85.5	128.3	140.0	95.7	140.0	140.0	62.4	83.2	104.0	86.6	115.5	140.0	140.0	140.0	140.0
60"		77.0	115.4	140.0	86.2	129.2	140.0	56.1	74.9	93.6	77.9	103.9	129.9	129.8	140.0	140.0
66"		70.0	104.0	140.0	73.0	109.0	140.0	51.0	68.0	86.0	73.0	97.0	123.0	123.0	140.0	140.0
72"		66.0	97.0	140.0	66.0	97.0	140.0	44.0	56.0	70.0	66.0	86.0	104.0	104.0	140.0	140.0



WIDTH (W) = W1 (JAMB)
 WIDTH (W) = $\frac{W2 + W3}{2}$ (MULLION)

ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION

A4 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB & MULLION
 AA4 = (2) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB & MULLION
 B4 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB & MULLION

A6 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB & MULLION
 AA6 = (3) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB & MULLION
 C6 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB & MULLION
 D6 = (3) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB & MULLION

A8 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB & MULLION
 AA8 = (4) ANCHORS TYPE 'AA' AT EACH SIDE OF JAMB & MULLION
 C8 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB & MULLION
 D8 = (4) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB & MULLION

C10 = (5) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB & MULLION
 D10 = (5) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB & MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

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

MAR 18 2009

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 Acceptance No 09-0407-03
 Expiration Date 4-24-2013

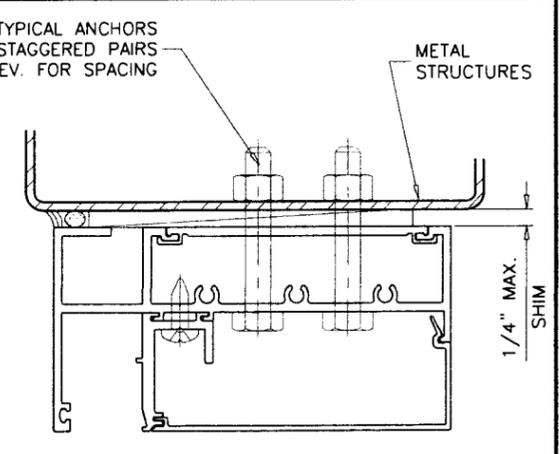
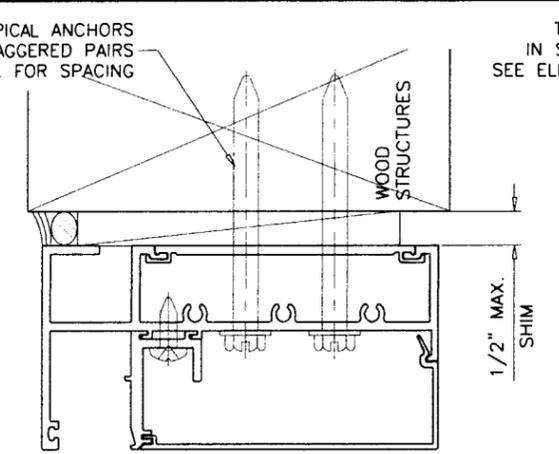
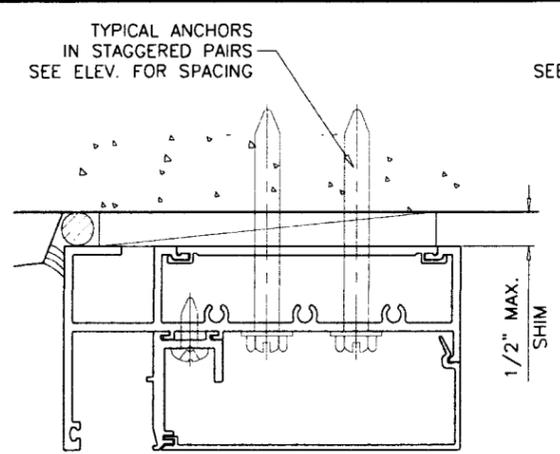
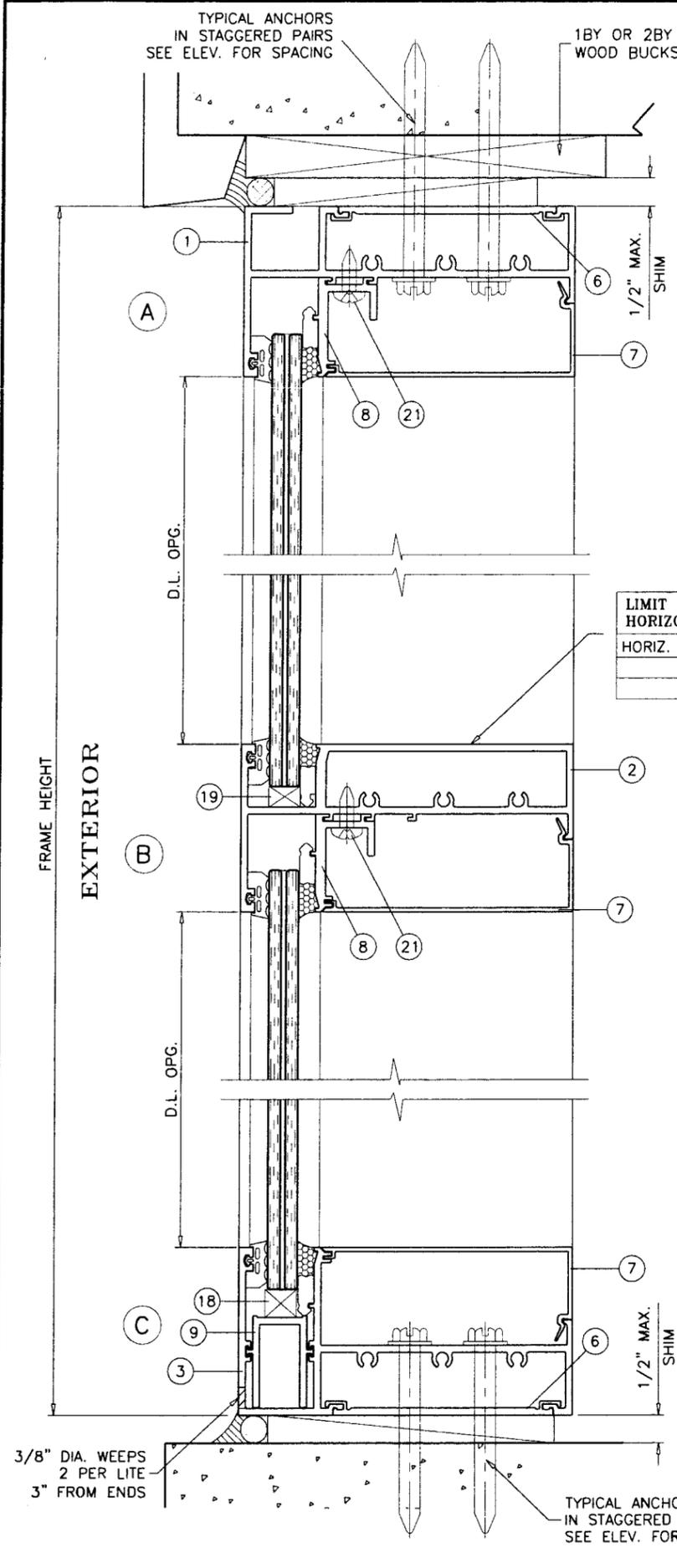
By *Dity Harris*
 Miami Dade Product Control
 Division

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AL-FAROOQ CORPORATION
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 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE W07-65NR

NRAP FIXED WINDOW WALL SYS. SERIES 6000 (L.M.I.)
NR ARCHITECTURAL PRODUCTS
 4348 WESTROADS DRIVE
 WEST PALM BEACH, FL. 33407
 TEL. (561) 844-1121 FAX. (561) 844-6131

no	date	description
A	03.26.08	ANCHOR CHARTS REV.
B	03.02.09	ANCHOR CHART REV.

date: 08-27-07
 scale: -
 dr. by: HAMID
 chk. by:
 drawing no. **W07-65**
 sheet 5 of 9



LIMIT MAX. DESIGN LOADS FOR HORIZONTAL AS FOLLOWS

HORIZ. SPAN MAX.	LAM. GLASS
72"	132 PSF
66"	140 PSF

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

- TYPICAL ANCHORS:** SEE ELEV. FOR SPACING
- TYPE 'A' - 3/8" DIA. WEDGE-BOLT ANCHOR BY 'POWERS' THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE WITH 1-1/2" MIN. EMBED INTO CONCRETE
 - TYPE 'AA' - 3/8" DIA. WEDGE-BOLT ANCHOR BY 'POWERS' DIRECTLY INTO CONCRETE WITH 1-1/4" MIN. EMBED INTO CONC.
 - TYPE 'B' - 3/8" DIA. MACHINE BOLT GRADE 5 W/ WASHER & NUT INTO METAL STRUCTURES
STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T6 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
 - TYPE 'C' - 3/8" DIA. LAG SCREWS INTO WOOD STRUCTURES WITH 2-1/4" MIN. PENETRATION INTO WOOD
 - TYPE 'D' - 5/16" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI) INTO WOOD STRUCTURES WITH 2-1/4" MIN. PENETRATION INTO WOOD

ANCHOR EDGE DISTANCES
 INTO CONCRETE AND MASONRY = 3" MIN.
 INTO METAL STRUCTURE = 1" MIN.
 INTO WOOD STRUCTURE = 1-1/2" MIN.

SEALANTS:
 ALL FRAME CORNERS AND JOINTS SEALED WITH DOW-795 OR TREMCO SPECTREM 2 SILICONE SEALANT.

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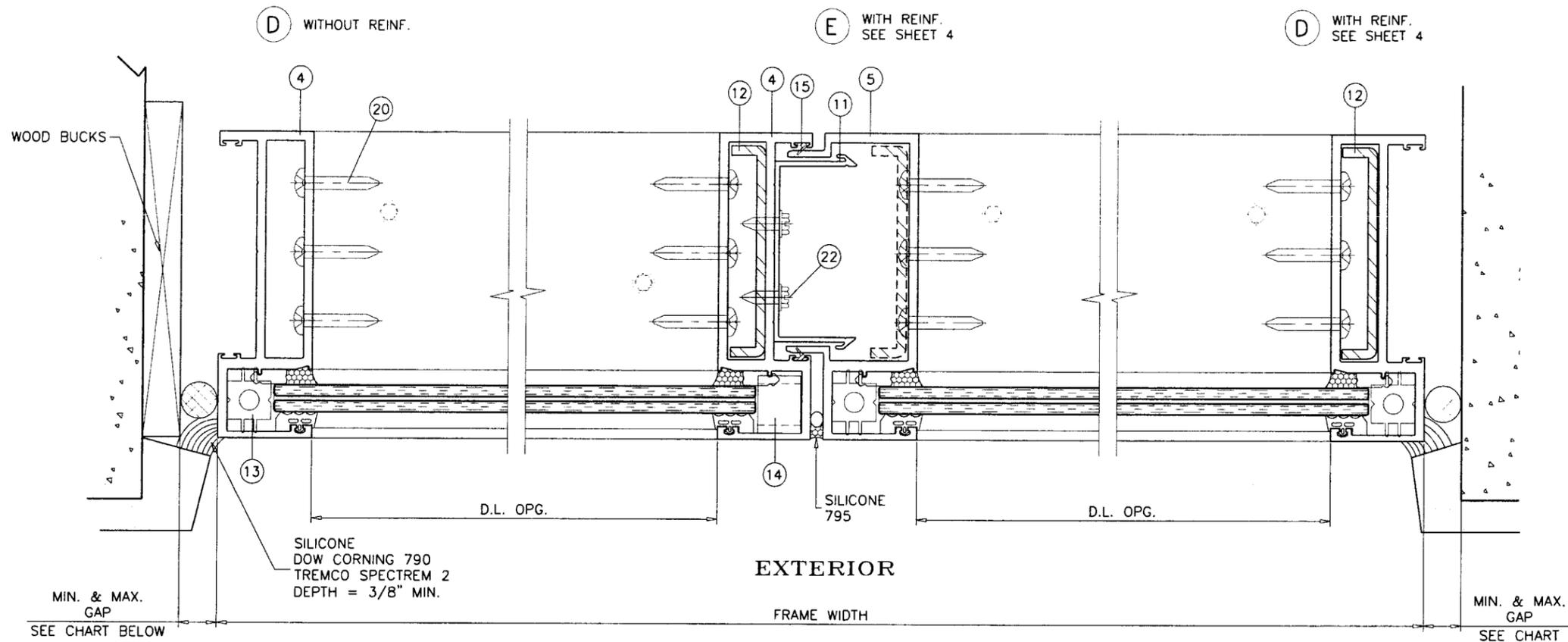
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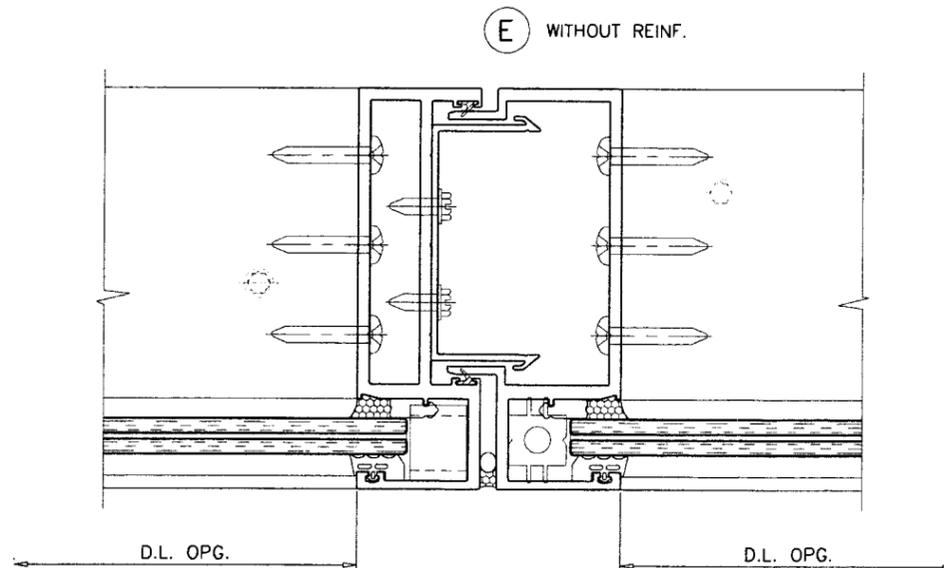
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A	03.26.08	ANCHORS REV.	
B	03.02.08	ANCHORS REV.	

date: 08-27-07
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:
 drawing no. **W07-65**
 sheet 6 of 9



MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
114"	3/8"	3/4"
119"	1/2"	3/4"



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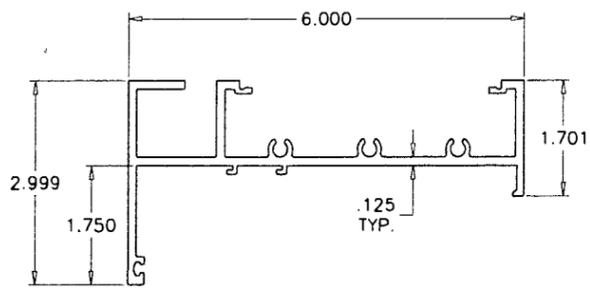
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revisions:

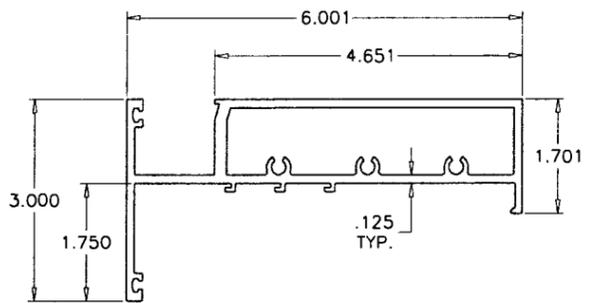
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chk. by:

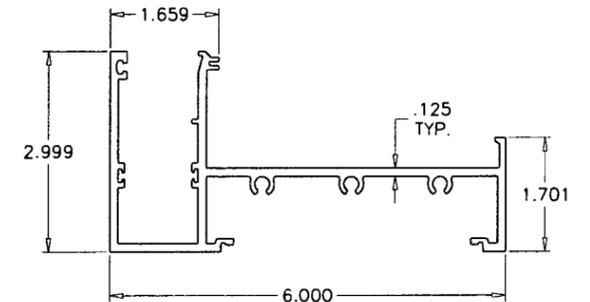
drawing no.
W07-65
sheet 7 of 9



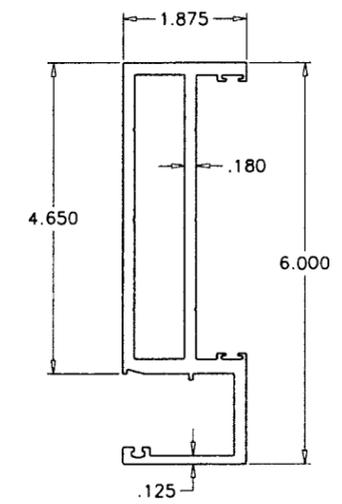
1 FRAME HEAD



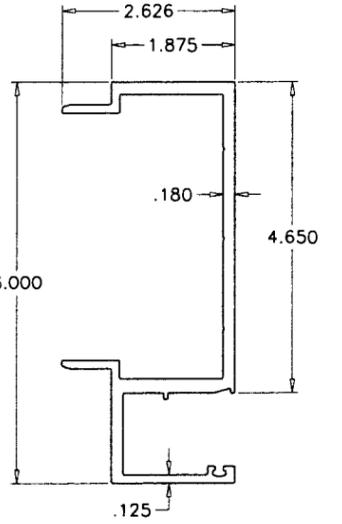
2 INTERMEDIATE HORIZONTAL



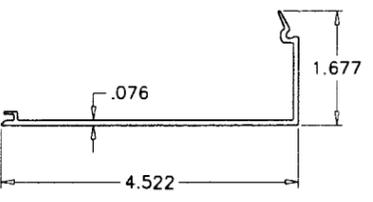
3 FRAME SILL



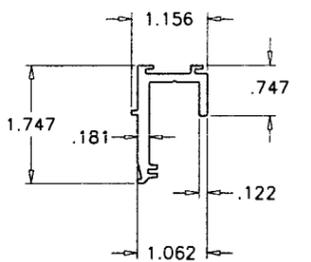
4 FRAME JAMB/FEMALE MULLION



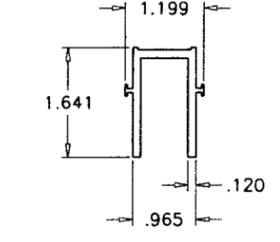
5 MALE MULLION



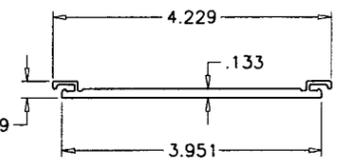
7 SNAP ON COVER



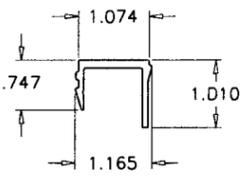
8 GLASS STOP



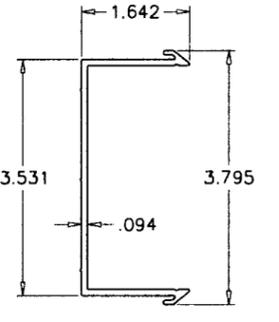
9 GLASS CHAIR



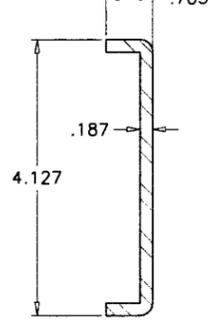
6 INSTALLATION PLATE



10 POCKET FILLER



11 POSITION CLIP



12 REINFORCING CHANNEL

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	FW001S	AS REQD.	FRAME HEAD	6063-T6	-
2	FW002S	AS REQD.	INTERMEDIATE HORIZONTAL	6063-T6	-
3	FW003S	AS REQD.	FRAME SILL	6063-T6	-
4	FW004S	AS REQD.	FRAME JAMB/ FEMALE MULLION	6063-T6	-
5	FW005S	AS REQD.	MALE MULLION	6063-T6	-
6	FW006S	AS REQD.	INSTALLATION PLATE	6063-T6	-
7	FW007S	AS REQD.	SNAP ON COVER	6063-T5	-
8	FW008S	AS REQD.	GLASS STOP	6063-T5	-
9	FW009S	2/ LITE	GLASS CHAIR, 4" LONG	6063-T5	-
10	FW010S	AS REQD.	POCKET FILLER	6063-T5	-
11	FW011S	3/ MULL	POSITION CLIPS, 6" LONG AT 1/3 POINTS	6063-T5	-
12	SI	AS REQD.	REINFORCING CHANNEL	STEEL	-
13	NR-G1	AS REQD.	SIDE BLOCKS (TR-1456E)	EPDM	-
14	NR-G2	AS REQD.	W BLOCKS (TR-3508E)	EPDM	-
15	NR-G3	AS REQD.	WEATHER FIN (TR-1311E)	EPDM	-
16	NR-G4	AS REQD.	CUSTOM PRE-SET GASKET (TR-13915E)	EPDM	-
17	NR-G5	AS REQD.	FRICTION FIT SPACER (TR-13885W)	EPDM	-
18	NR-G6	AS REQD.	SETTING BLOCK (1/2" X 9/16" X 4" LONG) (TR-1990E)	EPDM	-
19	NR-G7	AS REQD.	SETTING BLOCK (3/8" X 9/16" X 4" LONG) (TR-1008S)	EPDM	-
20	NR-F1	3/ CORNER	FRAME ASS'Y SCREWS (1/4" X 1-1/2" PHP SELF TAPPING)	ST/ST	-
21	NR-F2	AS REQD.	GLASS STOP SCREWS (1/4" X 3/4" PHP SELF TAPPING)	ST/ST	AT 1" FROM ENDS & 18" O.C.
22	NR-F3	2/ CLIP	POSITION CLIP SCREWS (1/4" X 1" HEX H SELF DRILLING)	ST/ST	-

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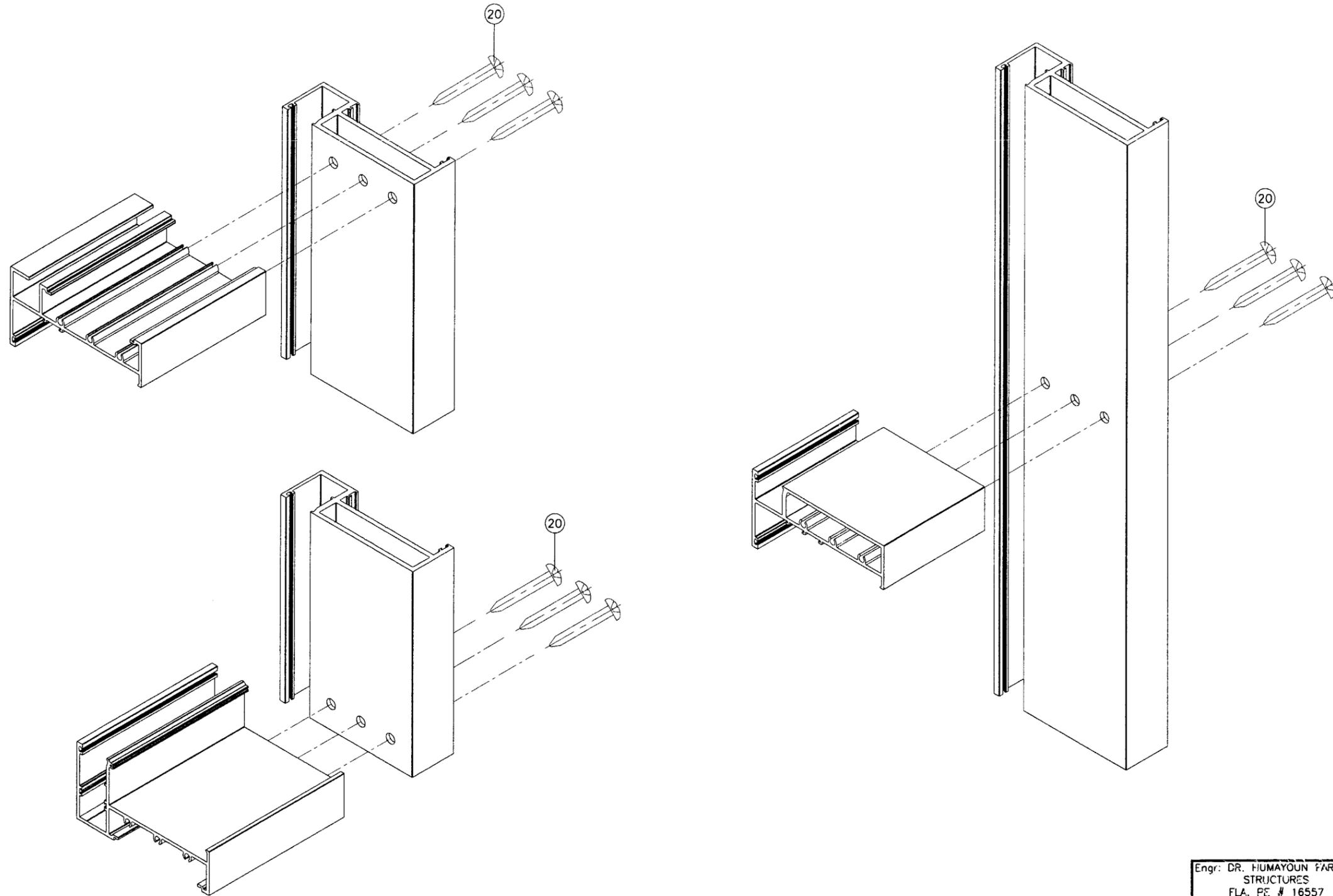
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B	03.02.09	NO CHANGE THIS SHEET

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dr. by: HAMID
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drawing no. **W07-65**
sheet 8 of 9



FRAME CORNERS

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