



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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buldingcode.com

YKK AP America, Inc.
5630 Gwaltney Drive
Atlanta, GA 30336

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 YHS 50 TU Flush Glazed Aluminum Storefront System - S.M.I.

APPROVAL DOCUMENT: Drawing No. **W05-01**, titled "YHS 50 TU Alum. Storefront System (S.M.I.)", sheets 1 through 8 of 8, dated 10/09/06 with revision A dated 10/09/06, 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: 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 # **05-0317.04** 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 **Manuel Perez, P.E.**



NOA No. 07-0424.03
Expiration Date: May 12, 2010
Approval Date: September 6, 2007
Page 1

YKK AP America Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections
2. Drawing No. **W05-01**, titled "YHS 50 TU Alum Storefront System (S.M.I.)", sheets 1 through 8 of 8, dated 01/10/05, with revision A dated 10/09/06, 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) Small 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 series YHS 50 TU aluminum storefront system, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0231-0704-04-(specimen 1, 2, 3, 4, &5)** dated 7/6 thru 8/10/2004, signed and sealed by Vinu J. Abraham, P.E.

(Submitted under previous NOA#05-0317.04)

C. CALCULATIONS

1. Anchor Calculations and Structural Analysis, prepared by Al-Farooq Corporation, dated November 14, 2006, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-98/02.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

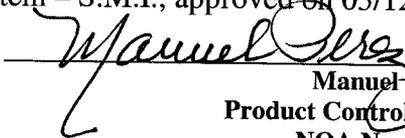
1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont de Nemours for their "DuPont Butacite PVB Interlayer" dated 01/05/06, expiring on 12/11/10.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia, Inc. for their "Saflex III G Clear or colored Interlayer" dated 05/4/06, expiring on 05/21/11.

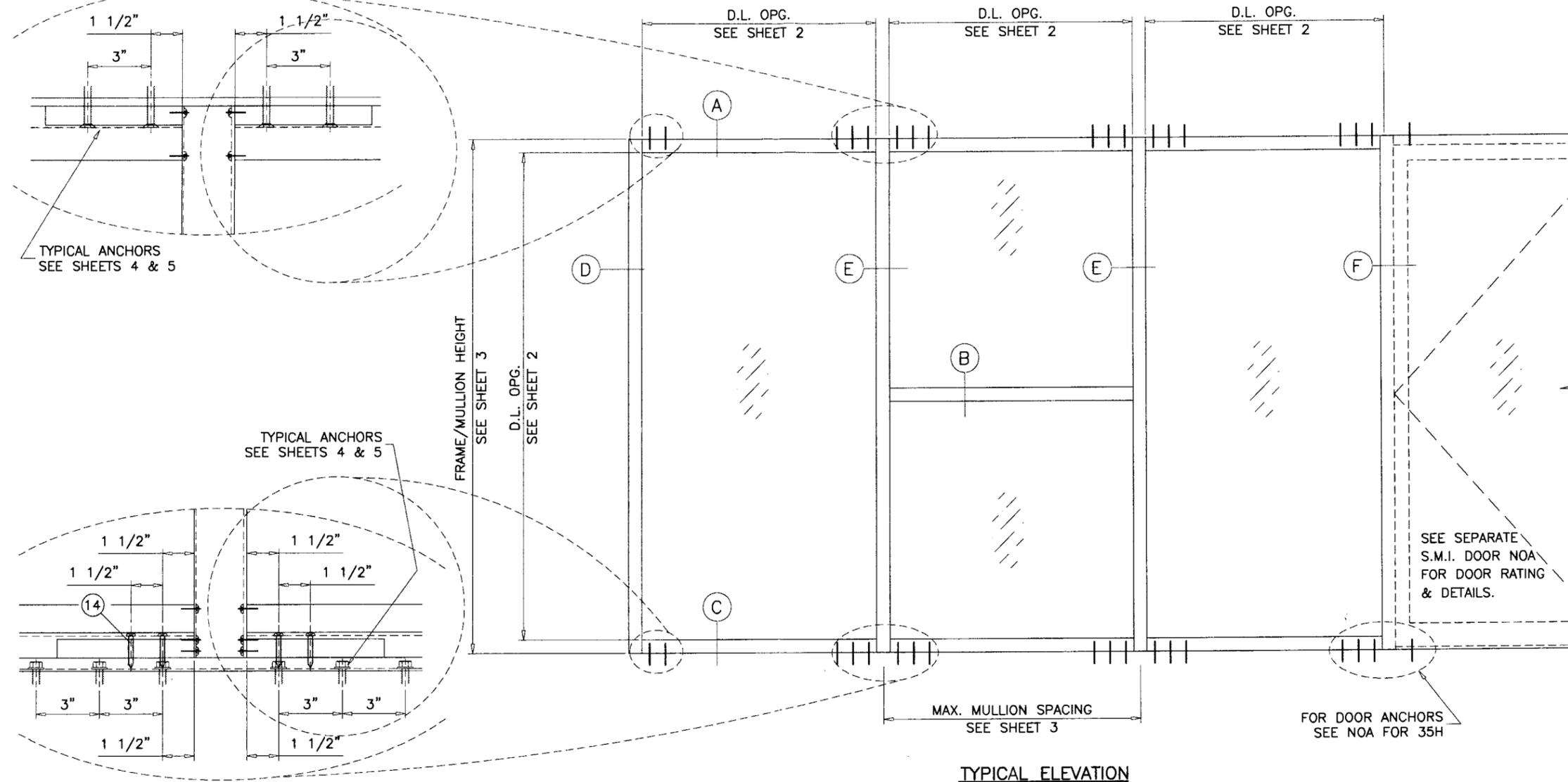
F. STATEMENTS

1. Statement letter of conformance, dated October 6, 2006, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated October 6, 2006, signed and sealed by Humayoun Farooq, P.E.

G. OTHER

1. Notice of Acceptance No. **05-0317.04**, issued to YKK AP America Inc. for their Series YHS 50 TU Aluminum Storefront System – S.M.I., approved on 05/12/05 and expiring on 05/12/10.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0424.03
Expiration Date: May 12, 2010
Approval Date: September 6, 2007



TYPICAL ELEVATION

YHS 50 TU ALUMINUM STOREFRONT SYSTEM

THIS PRODUCT RATED FOR SMALL MISSILE IMPACT.
 MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS
 REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
 SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.
 THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI-DADE
 COUNTY APPR'D SMALL MISSILE IMPACT RESISTANT ENTRANCE DOORS.
 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 (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 IN ALLOWABLE STRESS 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 FLORIDA BLDG. CODE SECTION 2003.8.4.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENTS 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.
- 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 SHEETS 4 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 INSULATING GLASS
 SMALL MISSILE IMPACT

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

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0424.03
 Expiration Date MAY 12, 2010

NOV 27 2009
 By Manuel Perez
 Miami Dade Product Control

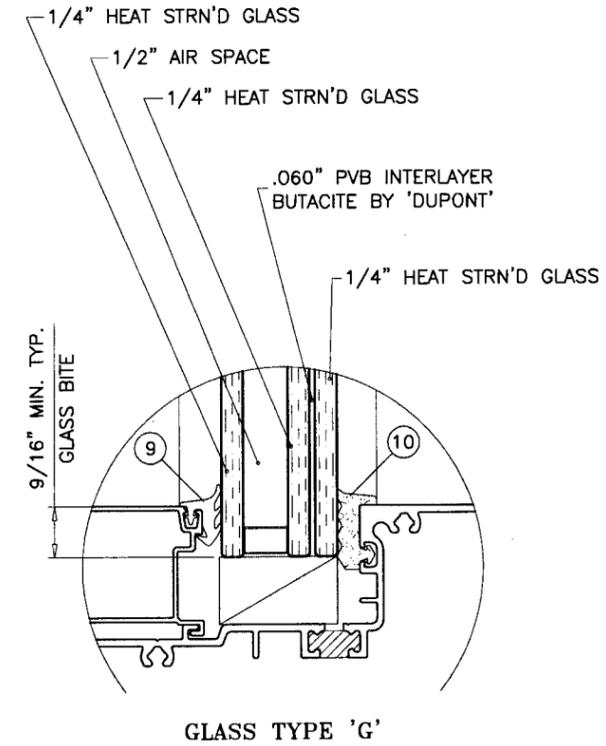
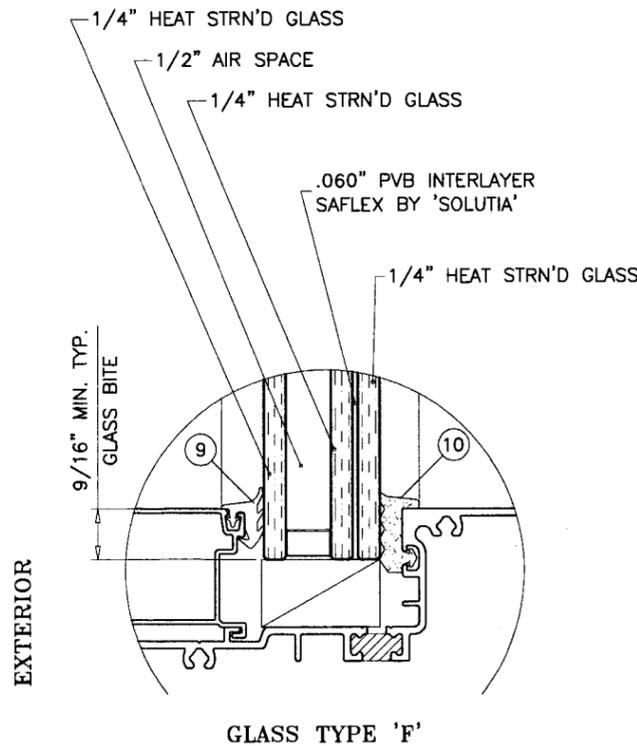
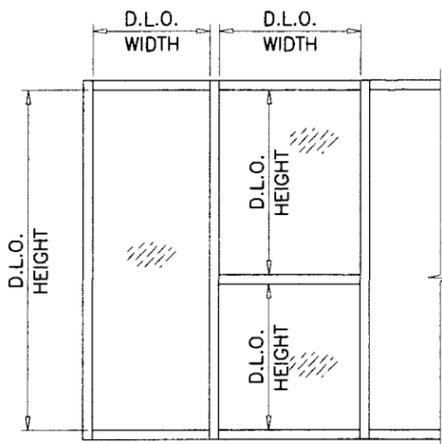
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AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE/W05-01YKK

YHS 50 TU ALUM STOREFRONT SYSTEM (S.M.I.)
YKK AP AMERICA INC.
 332 FIRETOWER ROAD
 DUBLIN, GEORGIA 31021
 TEL (478) 277-1955 FAX(478) 277-1978
YKK AP

revisions:	no.	date	by	description
	A	10.09.06		UPDATED FOR 2004 FBC
date:	01-10-05			
scale:	1/2"=1'-0"			
dr. by:	HAMID			
chk. by:				
drawing no.	W05-01			
sheet	1 of 8			

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		TYPE 'F' & 'G'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)
24"	79"	70.0
30"		70.0
36"		70.0
42"		70.0
48"		70.0
54"		70.0
60"		70.0
66"		70.0
72"	70.0	
24"	85"	70.0
30"		70.0
36"		70.0
42"		70.0
48"		70.0
54"		70.0
60"		70.0
66"		70.0
24"	91"	70.0
30"		70.0
36"		70.0
42"		70.0
48"		70.0
54"		70.0
60"		70.0
66"		70.0
24"	97"	70.0
30"		70.0
36"		70.0
42"		70.0
48"		70.0
54"		70.0
60"		70.0
66"		70.0
24"	103"	70.0
30"		70.0
36"		70.0
42"		70.0
48"		70.0
54"		70.0
60"		70.0
66"		70.0
24"	109"	70.0
30"		70.0
36"		70.0
42"		70.0
48"		70.0
54"		70.0
60"		70.0
66"		70.0
24"	115"	70.0
30"		70.0
36"		70.0
42"		70.0
48"		70.0
54"		70.0
60"		70.0
66"		70.0

NOTE:
GLASS CAPACITIES ON THIS SHEET
ARE BASED ON
A: ASTM E1300-98 (60 SEC. WIND)
B: ASTM E1300-02 (3 SEC. GUSTS)



GLAZING OPTIONS

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

PRODUCT REVISED,
as complying with the Florida
Building Code
Acceptance No 07-0424.03
Expiration Date MAY 12, 2010
By *Manuel Jerez*
Miami Dade Product Control
Division

NOV 27 2006

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 W05-01YKK

YHS 50 TU ALUM STOREFRONT SYSTEM (S.M.I.)
YKK AP AMERICA INC.
332 FIRETOWER ROAD
DUBLIN, GEORGIA 31021
TEL.(478) 277-1955 FAX(478) 277-1978

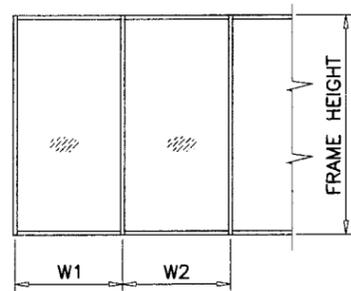
no	date	description
A	10.09.06	UPDATED FOR 2004 FBC

date: 01-10-05
scale:
dr. by: HAMID
chk. by:

drawing no.
W05-01
sheet 2 of 8

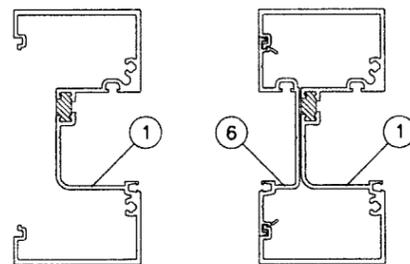
JAMB/MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		STANDARD CONFIG.	HEAVY CONFIG.
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)
24"	72"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		70.0	70.0
60"		70.0	70.0
66"		50.0	70.0
72"	50.0	70.0	
24"	78"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		70.0	70.0
60"		50.0	70.0
66"		50.0	70.0
72"	-	70.0	
24"	84"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		70.0	70.0
60"		50.0	70.0
66"		-	70.0
72"	-	70.0	
24"	90"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		50.0	70.0
60"		-	70.0
66"		-	70.0
72"	-	70.0	
24"	96"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		50.0	70.0
60"		-	70.0
66"		-	70.0
24"	102"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		64.4	70.0
48"		50.0	70.0
54"		-	70.0
60"		-	70.0
24"		108"	70.0
30"	70.0		70.0
36"	61.8		70.0
42"	53.9		70.0
48"	50.0		70.0
54"	-		70.0
60"	-		70.0

JAMB/MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		STANDARD CONFIG.	HEAVY CONFIG.
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)
24"	114"	70.0	70.0
30"		62.0	70.0
36"		52.3	70.0
42"		47.3	70.0
48"		-	70.0
54"		-	63.8
24"	120"	65.7	70.0
30"		53.0	70.0
36"		44.7	70.0
42"		40.4	67.3
48"		-	59.8
54"		-	54.2



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

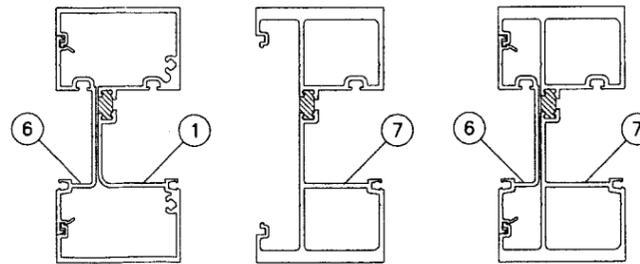
$$\text{WIDTH (W) AT FRAME JAMB} = W1$$



JAMB MULLION

STD. CONFIGURATION

JAMB/MULLION LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		STANDARD CONFIG.	HEAVY CONFIG.
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)
24"	78"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		70.0	70.0
60"	50.0	70.0	
24"	84"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		70.0	70.0
60"	50.0	70.0	
24"	90"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		50.0	70.0
60"	-	70.0	
24"	96"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		63.3	70.0
54"		50.0	70.0
60"	-	70.0	
24"	102"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		60.3	70.0
48"		50.0	70.0
54"		-	70.0
60"	-	70.0	
24"	108"	70.0	70.0
30"		70.0	70.0
36"		59.3	70.0
42"		50.8	70.0
48"		46.2	70.0
54"		-	68.5
60"	-	61.7	

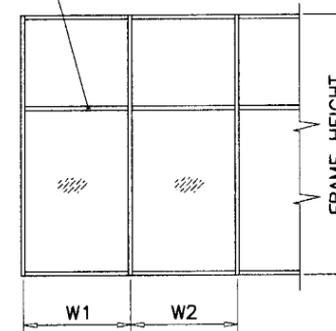


JAMB JAMB MULLION

HEAVY CONFIGURATION

JAMB/MULLION LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		STANDARD CONFIG.	HEAVY CONFIG.
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)
24"	114"	70.0	70.0
30"		60.5	70.0
36"		50.4	70.0
42"		44.9	70.0
48"		-	65.6
54"		-	58.3
24"	120"	64.8	70.0
30"		51.8	70.0
36"		44.9	70.0
42"		38.5	64.2
48"		-	56.2
54"		-	50.0

INTERMEDIATE HORIZONTALS



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

$$\text{WIDTH (W) AT FRAME JAMB} = W1$$

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
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By *Manuel Perez*
Miami Dade Product Control
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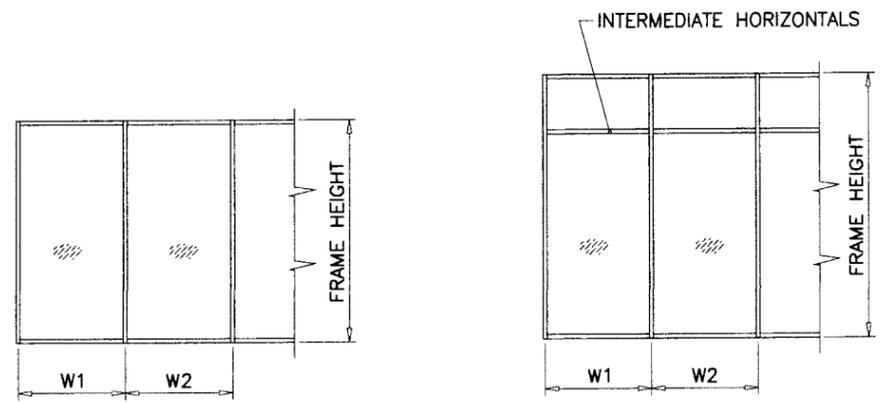
revisions:
no. date by description
A 10.09.06 10.09.06 UPDATED FOR 2004 FBC

date: 01-10-05
scale:
dr. by: HAMID
chk. by:

drawing no.
W05-01
sheet 3 of 8

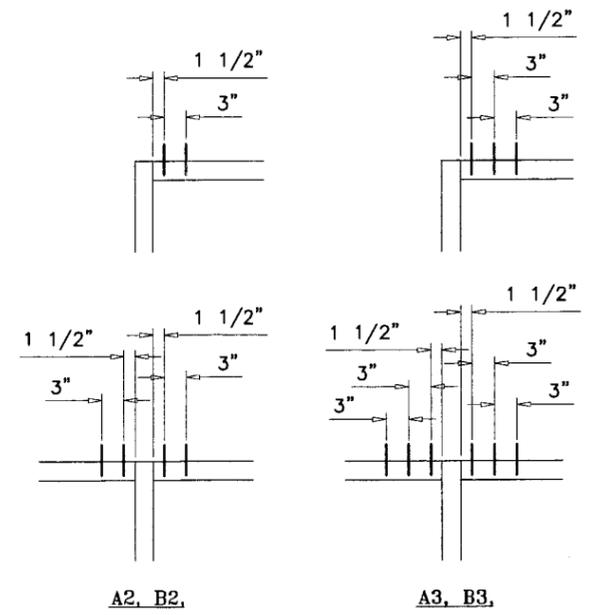
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)					
NOMINAL DIMS.		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3
24"	60"	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0
72"	70.0	70.0	70.0	70.0	
24"	66"	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0
72"	70.0	70.0	70.0	70.0	
24"	72"	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0
72"	70.0	70.0	70.0	70.0	
24"	78"	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0
72"	65.4	70.0	70.0	70.0	
24"	84"	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0
66"		66.3	70.0	70.0	70.0
72"	60.8	70.0	70.0	70.0	
24"	90"	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
60"		68.1	70.0	70.0	70.0
66"		61.9	70.0	70.0	70.0
72"	56.7	70.0	70.0	70.0	

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'		
WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3	
24"	96"	70.0	70.0	70.0	70.0	
30"		70.0	70.0	70.0	70.0	
36"		70.0	70.0	70.0	70.0	
42"		70.0	70.0	70.0	70.0	
48"		70.0	70.0	70.0	70.0	
54"		70.0	70.0	70.0	70.0	
60"		63.8	70.0	70.0	70.0	
66"		58.0	70.0	70.0	70.0	
24"	102"	70.0	70.0	70.0	70.0	
30"		70.0	70.0	70.0	70.0	
36"		70.0	70.0	70.0	70.0	
42"		70.0	70.0	70.0	70.0	
48"		70.0	70.0	70.0	70.0	
54"		66.7	70.0	70.0	70.0	
60"		60.0	70.0	70.0	70.0	
24"		108"	70.0	70.0	70.0	70.0
30"	70.0		70.0	70.0	70.0	
36"	70.0		70.0	70.0	70.0	
42"	70.0		70.0	70.0	70.0	
48"	70.0		70.0	70.0	70.0	
54"	63.0		70.0	70.0	70.0	
60"	56.7		70.0	70.0	70.0	
24"	114"		70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0	
36"		70.0	70.0	70.0	70.0	
42"		70.0	70.0	70.0	70.0	
48"		67.2	70.0	70.0	70.0	
54"		59.7	70.0	70.0	70.0	
24"		120"	70.0	70.0	70.0	70.0
30"			70.0	70.0	70.0	70.0
36"	70.0		70.0	70.0	70.0	
42"	70.0		70.0	70.0	70.0	
48"	63.8		70.0	70.0	70.0	
54"	56.7		70.0	70.0	70.0	



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

$$\text{WIDTH (W) AT FRAME JAMB} = W1$$



ANCHORS TYPES: SEE SHEET 5 FOR DESCRIPTION

A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION

B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

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

[Signature]
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PRODUCT REVISED
as complying with the Florida
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Acceptance No. 07-0424.03
Expiration Date MAY 12, 2010

By *[Signature]*
Miami Dade Product Control
Gwynn

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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STORE/W05-01YKK

YHS 50 TU ALUM STOREFRONT SYSTEM (S.M.I.)

YKK AP AMERICA INC.
332 FIRETOWER ROAD
DUBLIN, GEORGIA 31021
TEL.(478) 277-1955 FAX(478) 277-1978

YKK AP

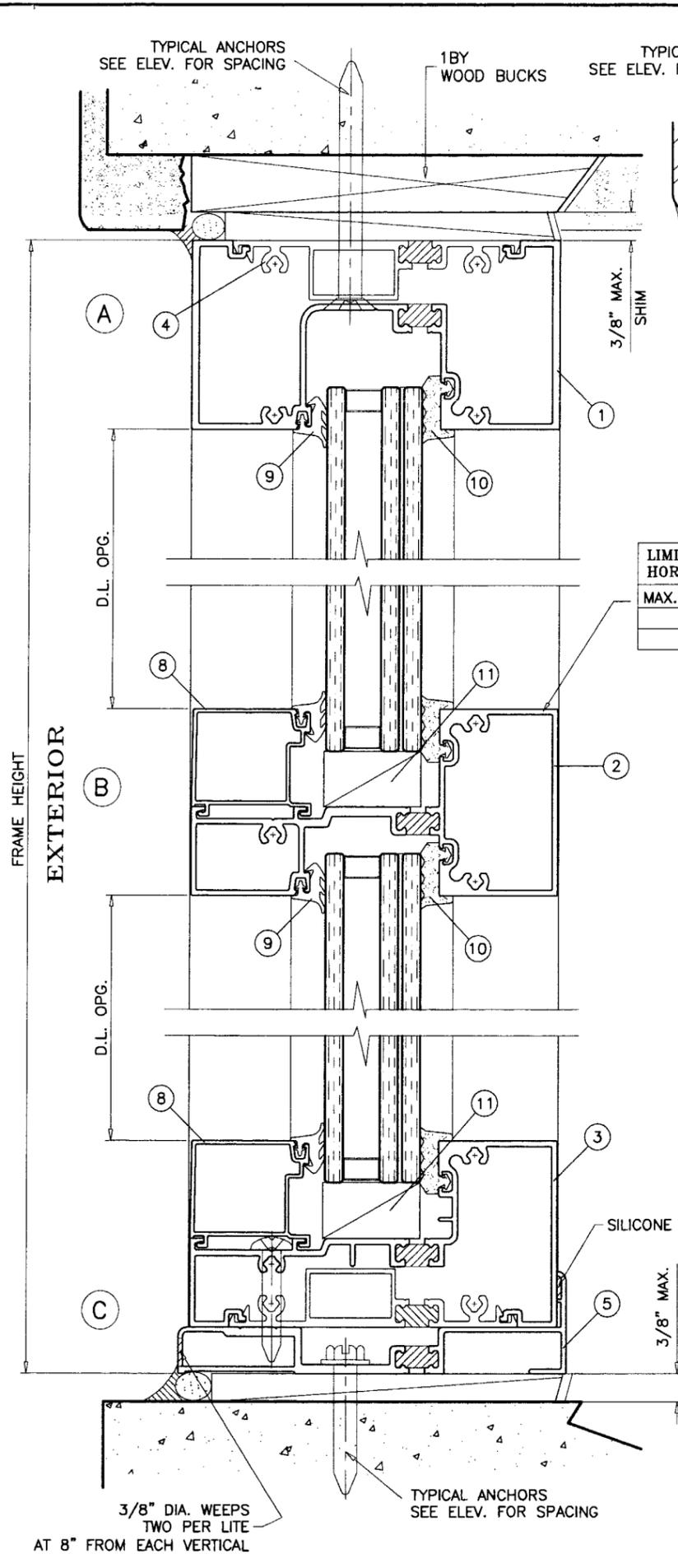
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revisions:

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dr. by: HAMID
chk. by:

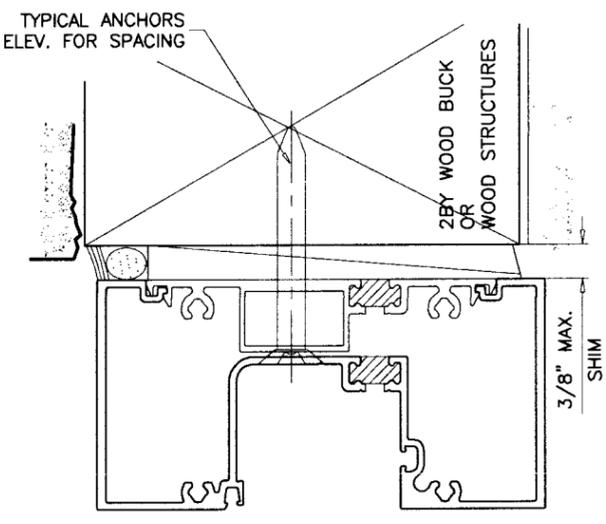
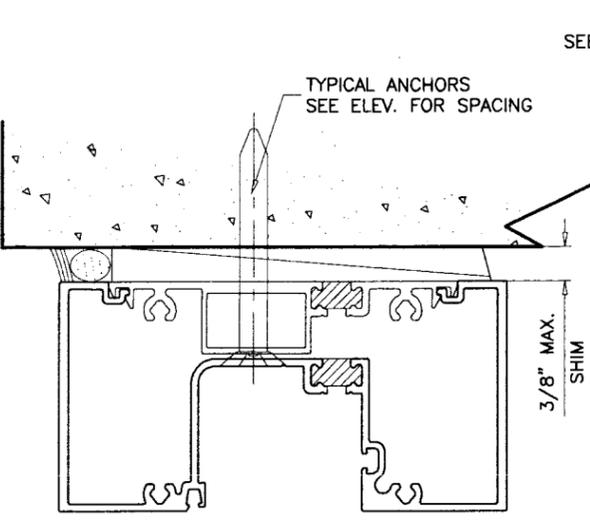
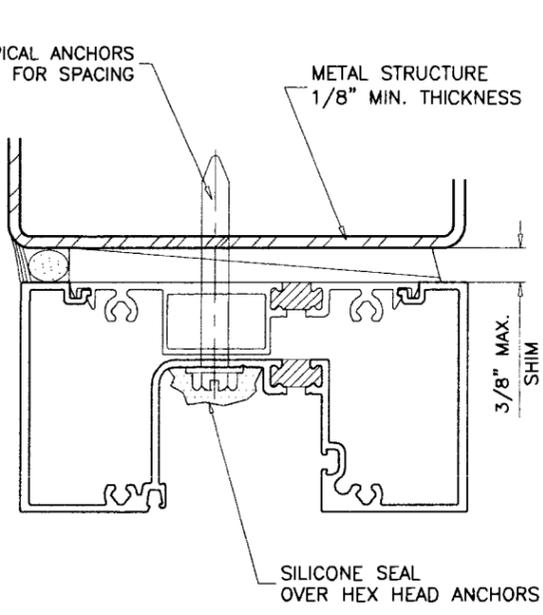
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W05-01

sheet 4 of 8



LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS

MAX. HORIZ. SPAN	MAX. DESIGN LOADS
63-1/2"	55 PSF
57-1/2"	70 PSF



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- A) **5/16" DIA TAPCONS**
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES WITH 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO CONCRETE WITH 1-1/4" MIN. EMBED INTO CONCRETE
 DIRECTLY INTO CONCRETE WITH 1-1/4" MIN. EMBED INTO CONC.
 THRU 1BY WOOD BUCKS INTO MASONRY (AT JAMBS ONLY) WITH 1-1/4" MIN. EMBED INTO MASONRY
 DIRECTLY INTO MASONRY (AT JAMBS ONLY) WITH 1-1/4" MIN. EMBED INTO MASONRY
- B) **5/16" DIA. TEKS/DRIL-FLEX SELF DRILLING SCREWS**
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

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

SEALANTS:
 ALL FRAME CORNERS JOINTS AND INSTALLATION SCREWS AT SILL SEALED WITH SILICONE.

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

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 By *Mamad Dery*
 Miami Dade Product Control Division

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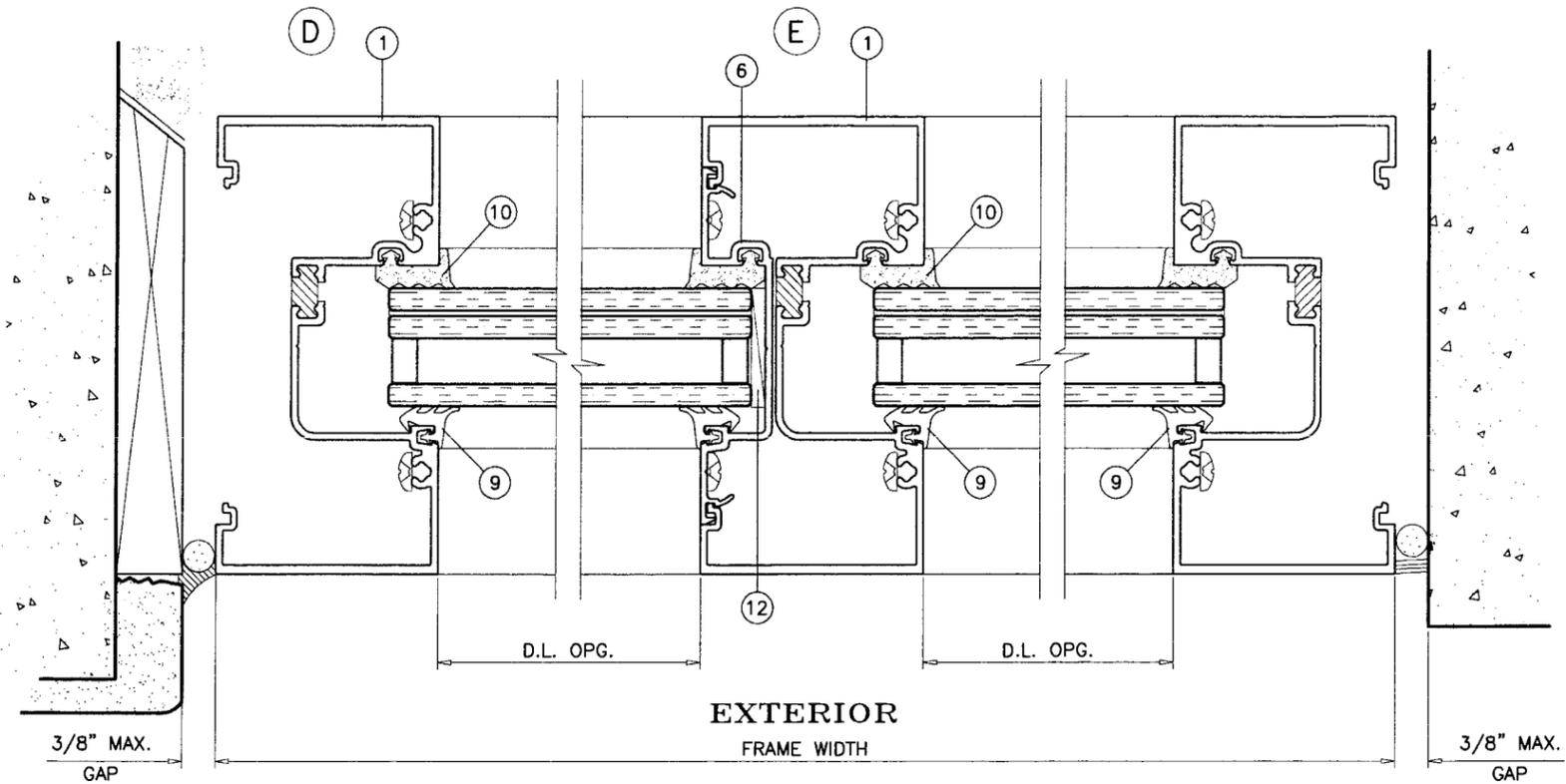
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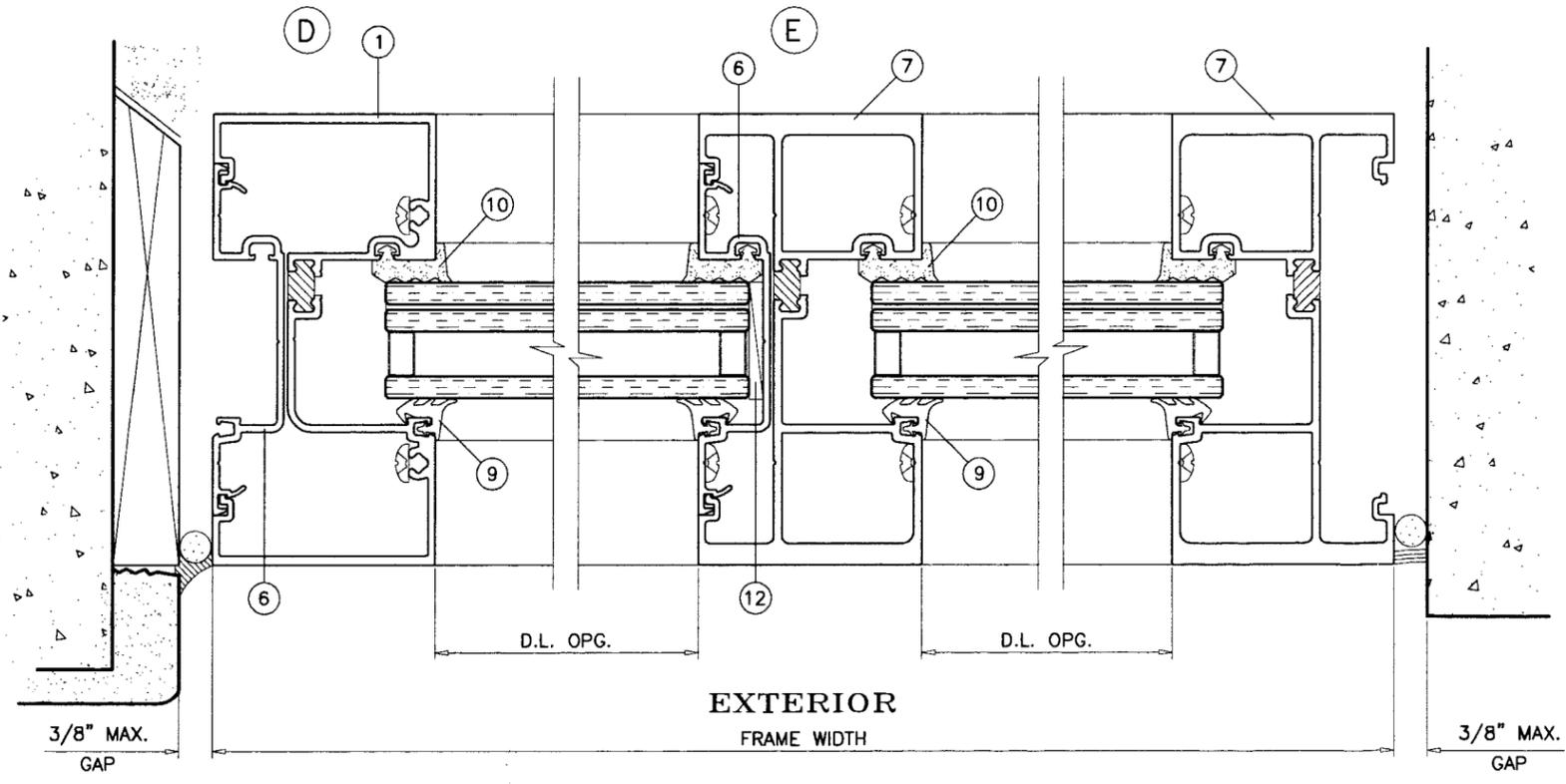
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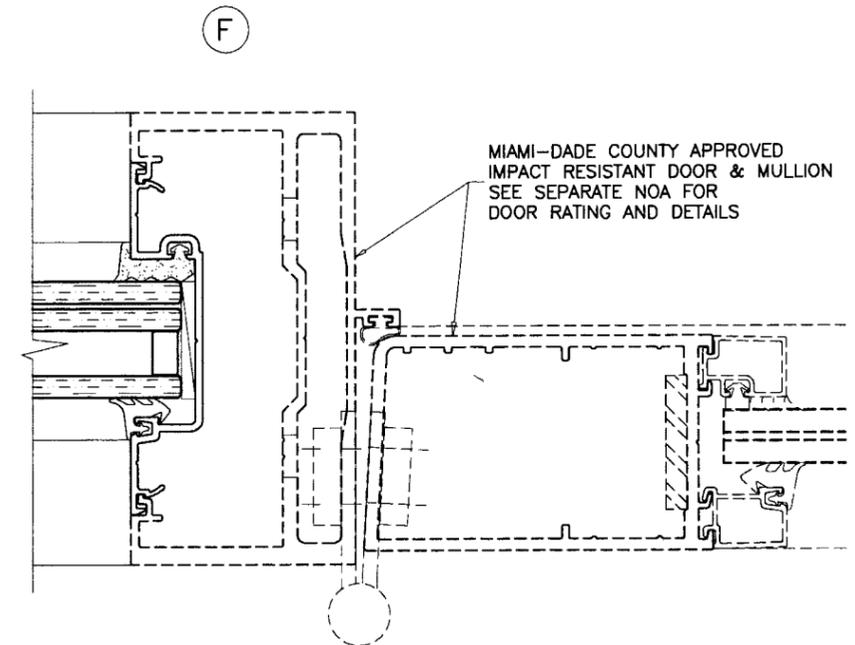
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 sheet 5 of 8



STD. CONFIGURATION



HEAVY CONFIGURATION



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Miami Dade Product Control
Division

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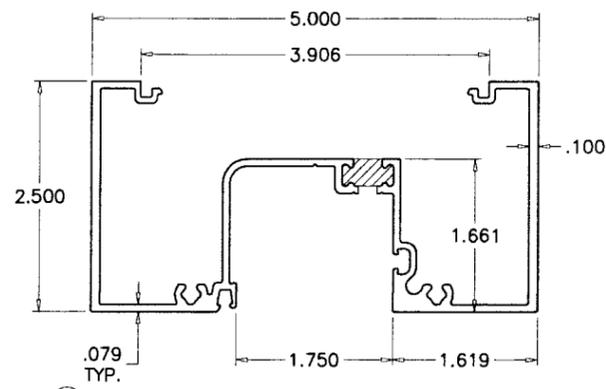
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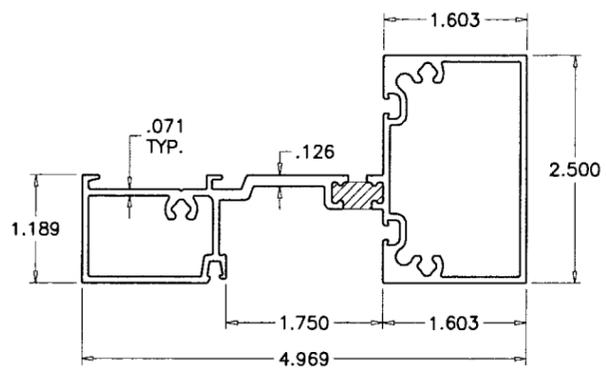
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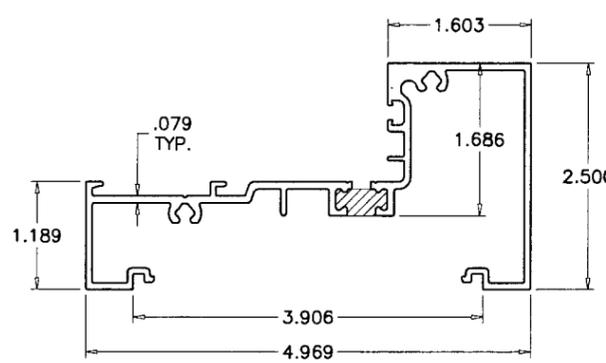
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sheet 6 of 8



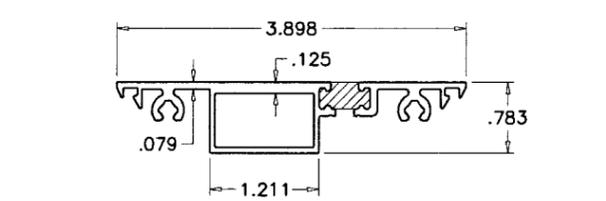
① FRAME HEAD/SILL/JAMB



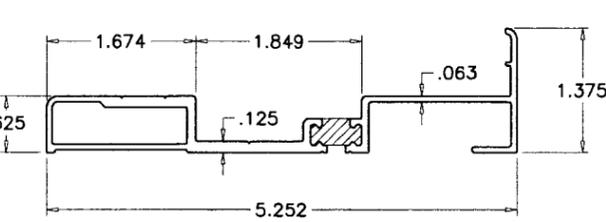
② FRAME HORIZONTAL



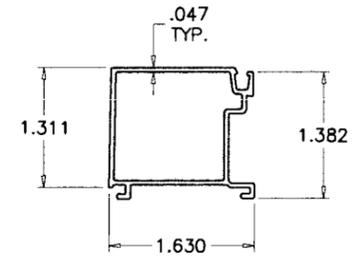
③ FRAME SILL



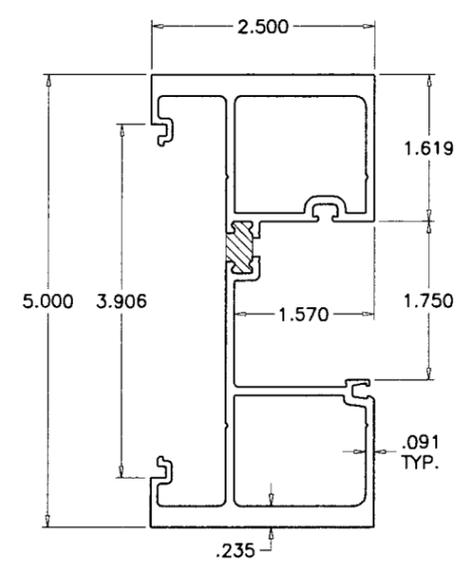
④ FLAT FILLER



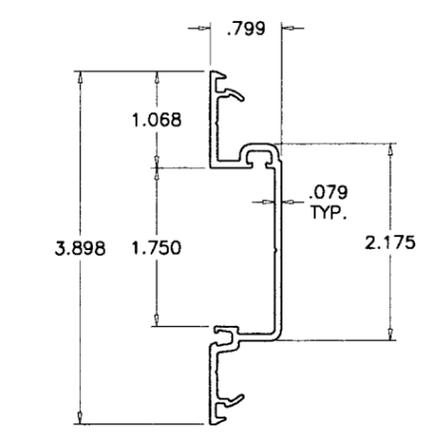
⑤ SILL FLASHING



⑧ GLAZING STOP



⑦ HEAVY DUTY MULLION



⑥ SHALLOW POCKET FILLER

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	BE9-0681	AS NEEDED	FRAME HEAD/SILL/JAMB	6063-T5	-
2	BE9-0683	AS NEEDED	FRAME HORIZONTAL	6063-T5	-
3	BE9-0682	AS NEEDED	FRAME SILL	6063-T5	-
4	E1-1060	AS NEEDED	FLAT FILLER	6063-T5	-
5	BE9-0686	AS NEEDED	SILL FLASHING	6063-T5	-
6	BE9-0655	AS NEEDED	SHALLOW POCKET FILLER	6063-T5	-
7	BE9-0684	AS NEEDED	HEAVY DUTY MULLION	6063-T5	-
8	E9-0658	AS NEEDED	GLAZING STOP	EPDM	-
9	E2-0083	AS NEEDED	EXTERIOR GLAZING GASKET	EPDM	-
10	E2-0088	AS NEEDED	INTERIOR GLAZING GASKET	EPDM SPONGE	-
11	E2-0095	AS NEEDED	SETTING BLOCK	EPDM	-
12	E2-0096	AS NEEDED	SIDE BLOCK	EPDM	-
13	PC-1220	AS NEEDED	ASSEMBLY SCREWS PHSMS	CRS	#12 X 1-1/4" PPH SMS
14	PC-1424	AS NEEDED	FOR SILL	CRS	#14 X 1-1/2" PPH SMS

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
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Manufacture Product Control
Division

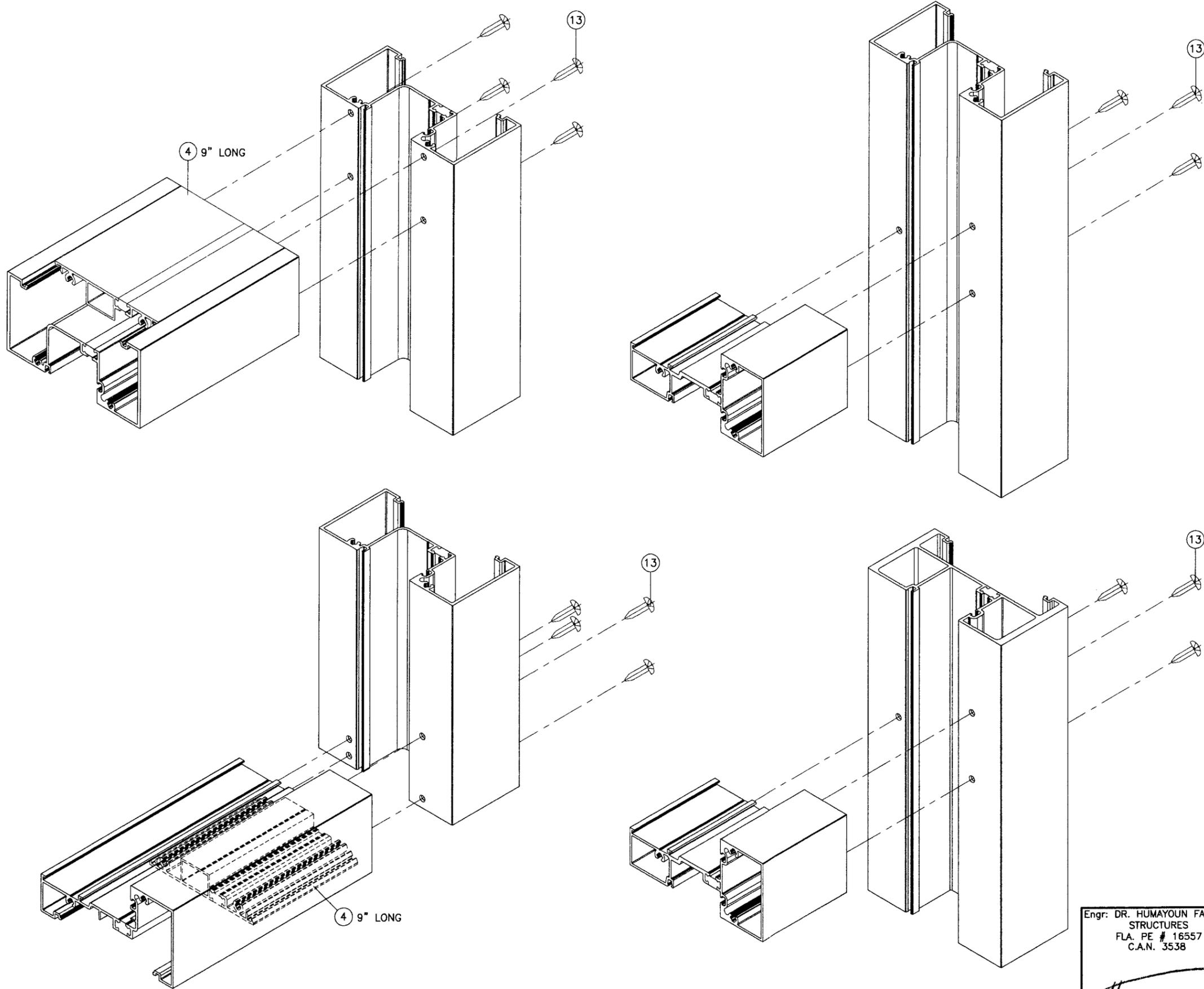
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chk. by:

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W05-01
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FRAME CORNERS

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
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 Miami Date Product Control

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