



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.
332 Firetower Road
Dublin, GA 31021

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, Dry Glazed Aluminum Storefront System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W06-75**, titled "YHS-50 TU Alum. Storefront System (L.M.I.)", sheets 1 through 8 of 8, dated 11/15/06, 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 expiration 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 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 07-0503.16
Expiration Date: November 15, 2012
Approval Date: November 15, 2007

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W06-75** Sheets 1 through 8 of 8, titled "YHS-50 TU Alum. Storefront System (L.M.I.)", dated 11/15/06, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

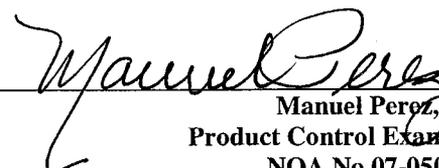
1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of rectangular YHS-50 TU storefront system (3-bay wide), prepared by American Test Lab of South Florida, Test Report No. **ATLSF-0809.01-06**, dated 11/07/06, signed and sealed by William R. Mehner, P.E.
2. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94along 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 various, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA #05-0317.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 4/19/07, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300/02

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No 07-0503.16
Expiration Date: November 15, 2012
Approval Date: November 15, 2007

YKK AP America, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **06-1205. 10** issued to E.I. DuPont DeNemours & Co., Inc. for their “**DuPont Sentry Glass ® Plus**” dated 02/15/07, expiring on 01/14/08.
2. TREMCO Part No. **E2-0083/TR-6096E** made of 60 +/- 5 Durometer Dense EPDM exterior glazing gasket complying with ASTM C 864 Option II specifications.
3. TREMCO Part No. **E2-0088/TR-6151E** made of Closed-Cellular EPDM exterior glazing gasket complying with ASTM C 509 Option II specifications.

F. STATEMENTS

1. Statement letter of conformance, dated April 10, 2007, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated April 10, 2007, signed and sealed by Humayoun Farooq, P.E.
3. Laboratory compliance letter for Test Report No. **ATLSF-0809.01-06** issued by American Test Lab of South Florida, dated 11/07/06, signed and sealed by William R. Mehner, P.E.

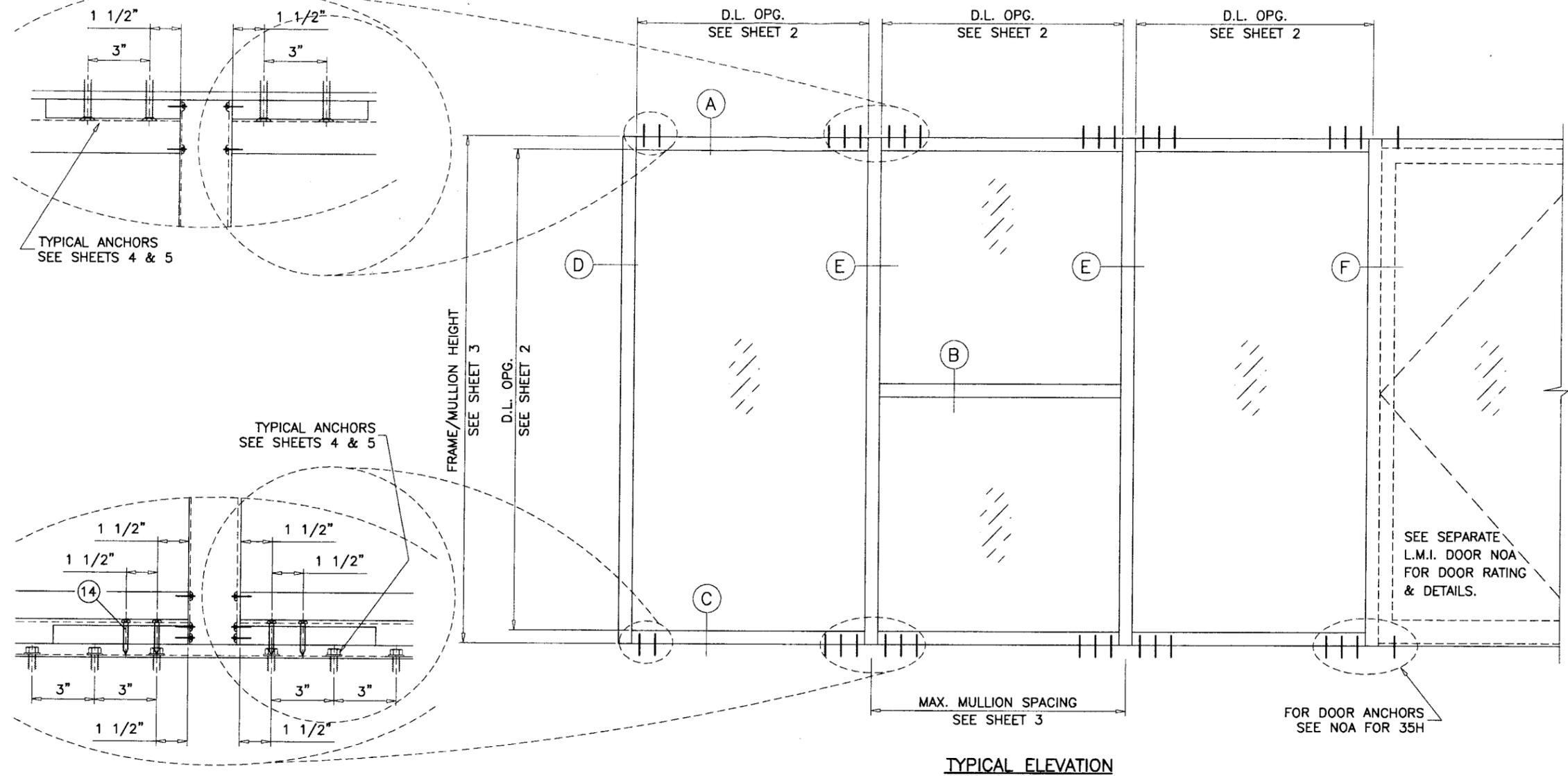
G. OTHER

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No 07-0503.16

Expiration Date: November 15, 2012

Approval Date: November 15, 2007



TYPICAL ELEVATION

YHS 50 TU ALUMINUM STOREFRONT SYSTEM

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH OUTSWING ENTRANCE DOORS MODEL 35H. THIS SYSTEM IS RATED FOR LARGE MISSILE IMPACT. SHUTTERS 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 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
LARGE MISSILE IMPACT
DRY GLAZED

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

Approved as complying with the
Florida Building Code
Date **NOV. 15, 2007**
NOA# **07-0503.16**
Miami Dade Product Control
Division
By *Manuel Perez*

APR 25 2007

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 \W06-75YKK

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



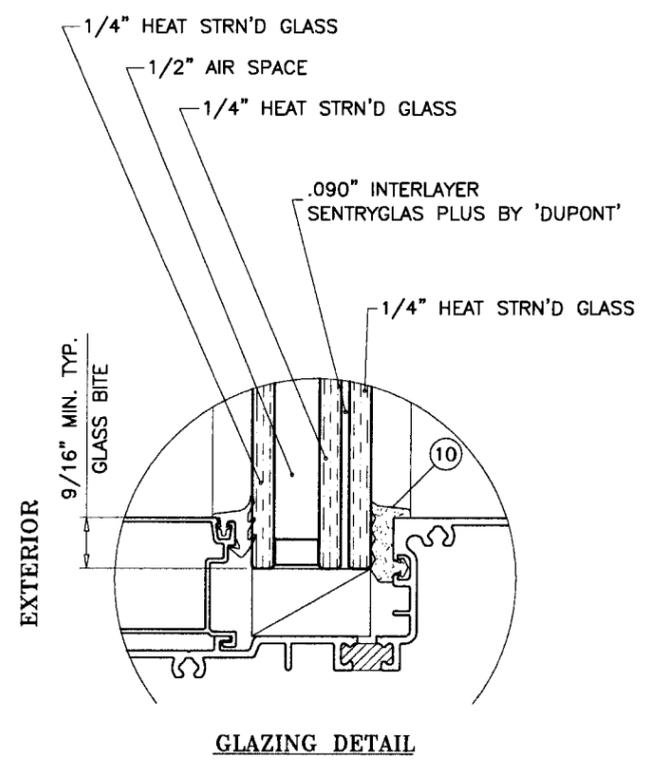
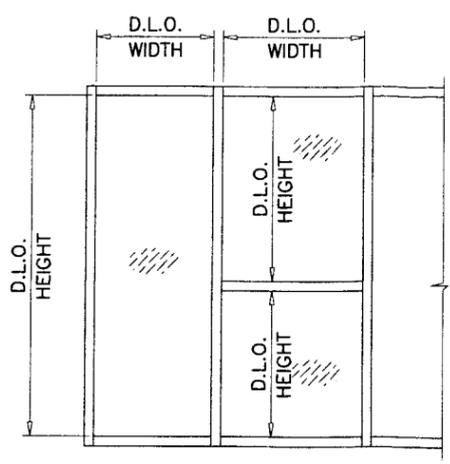
revisions:	no	date	by	description

date: 11-15-06
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:
drawing no.
W06-75
sheet 1 of 8

GLASS DESIGN LOAD CAPACITY - PSF		
NOMINAL DIMS.		LAMINATED INSUL. GLASS
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
24"	55"	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"	61"	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"	67"	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"	73"	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"	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

GLASS DESIGN LOAD CAPACITY - PSF		
NOMINAL DIMS.		LAMINATED INSUL. GLASS
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
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
72"	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
72"	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
72"	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
72"	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
ASTM E1300-02 (3 SEC. GUSTS)



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

APR 25 2007

Approved as complying with the
Florida Building Code
Date: NOV. 15, 2007
MCA# 07-0503.16
Miami Dade Product Control
Division
By: Manuel Perez

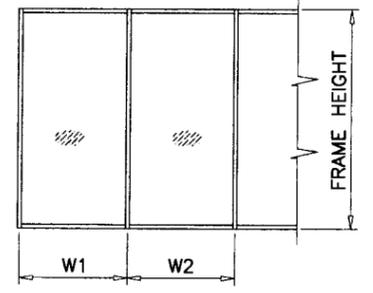
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W06-75YK

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

revisions:	no.	date	by	description
date:	11-15-06	scale:	1/2" = 1"	
dr. by:	HAMID	chk. by:		
drawing no.	W06-75			
sheet	2 of 8			

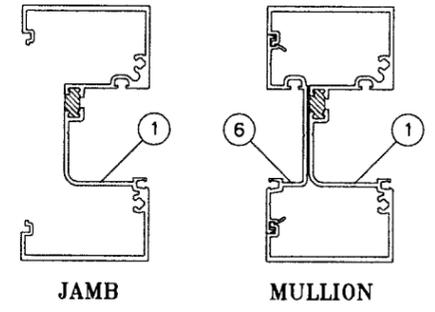
JAMB/MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		STANDARD CONFIG.	HEAVY CONFIG.	
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	
24"	72"	70.0	70.0	
30"		70.0	70.0	
36"		70.0	70.0	
42"		70.0	70.0	
48"		70.0	70.0	
54"		70.0	70.0	
60"		70.0	70.0	
66"		50.0	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"	50.0	70.0
30"			50.0	70.0
36"	50.0		70.0	
42"	50.0		70.0	
48"	50.0		70.0	
54"	-		70.0	
60"	-		70.0	
24"	108"		50.0	70.0
30"			50.0	70.0
36"			50.0	70.0
42"		50.0	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"	50.0	70.0
30"		50.0	70.0
36"		50.0	70.0
42"		47.3	70.0
48"		-	70.0
54"		-	63.8
24"	120"	50.0	70.0
30"		50.0	70.0
36"		46.5	70.0
42"		40.4	67.3
48"		-	59.8
54"		-	54.2



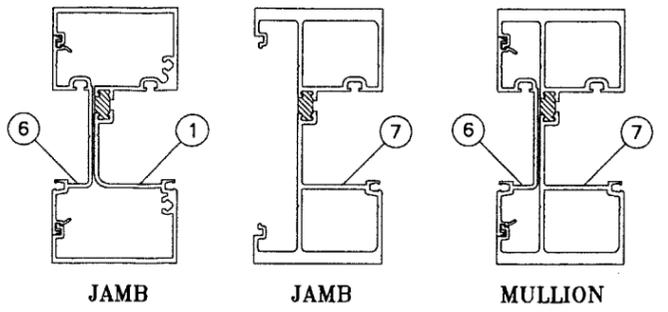
WIDTH (W) = $\frac{W1 + W2}{2}$
AT FRAME MULLION

WIDTH (W) = W1
AT FRAME JAMB



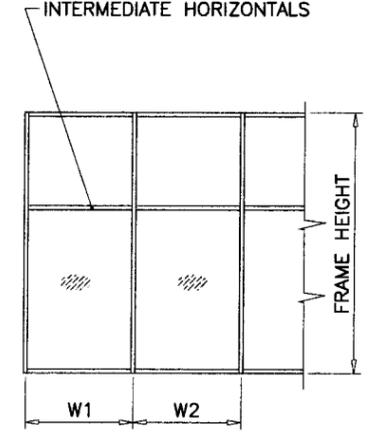
STD. CONFIGURATION

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"	50.0	70.0
30"		50.0	70.0
36"		50.0	70.0
42"		50.0	70.0
48"		50.0	70.0
54"		-	70.0
60"	-	70.0	
24"	108"	50.0	70.0
30"		50.0	70.0
36"		50.0	70.0
42"		50.0	70.0
48"		46.2	70.0
54"		-	68.5
60"	-	61.7	



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"	50.0	70.0
30"		50.0	70.0
36"		50.0	70.0
42"		44.9	70.0
48"		-	65.6
54"		-	58.3
24"	120"	50.0	70.0
30"		50.0	70.0
36"		44.9	70.0
42"		38.5	64.2
48"		-	56.2
54"		-	50.0



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

WIDTH (W) = W1
AT FRAME JAMB

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

APR 25 2007

Approved as complying with the
Florida Building Code
Date NOV. 15, 2007
NOAH 07-D503.16
Miami Dade Product Control
Division
By Manuel Perez

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 W06-75YK

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

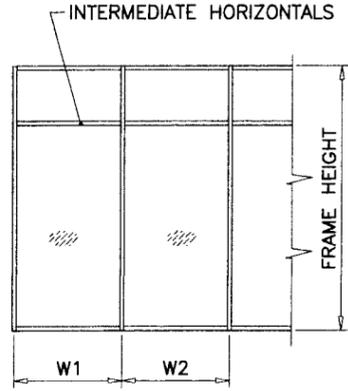
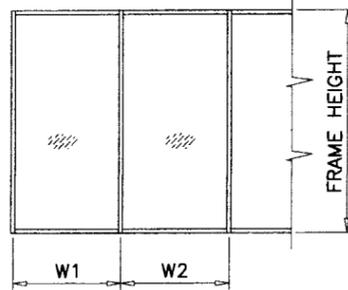
revisions:
no. date by description

date: 11-15-06
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W06-75
sheet 3 of 8

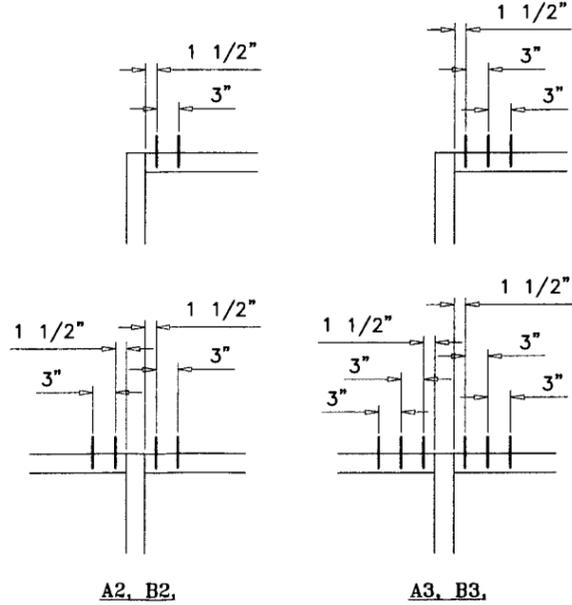
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)					
NOMINAL DIMS.		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3
24"	60"	70.0	70.0	70.0	70.0
30"		70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
60"		70.0	70.0	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"	66.3	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
66"		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
66"		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
60"		59.7	70.0	70.0	70.0
66"		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
60"		56.7	70.0	70.0	70.0
66"		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. 353B

APR 25 2007

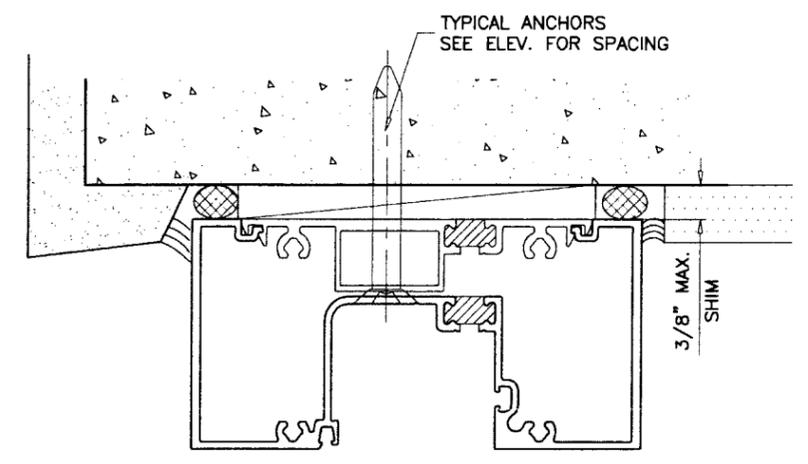
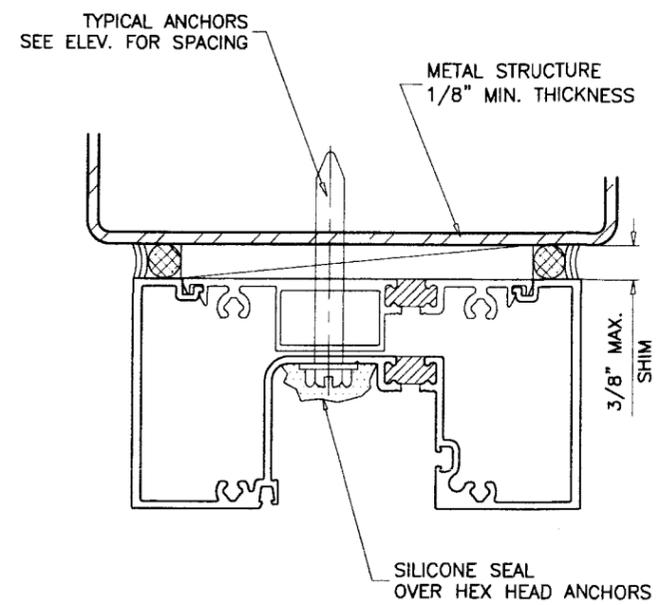
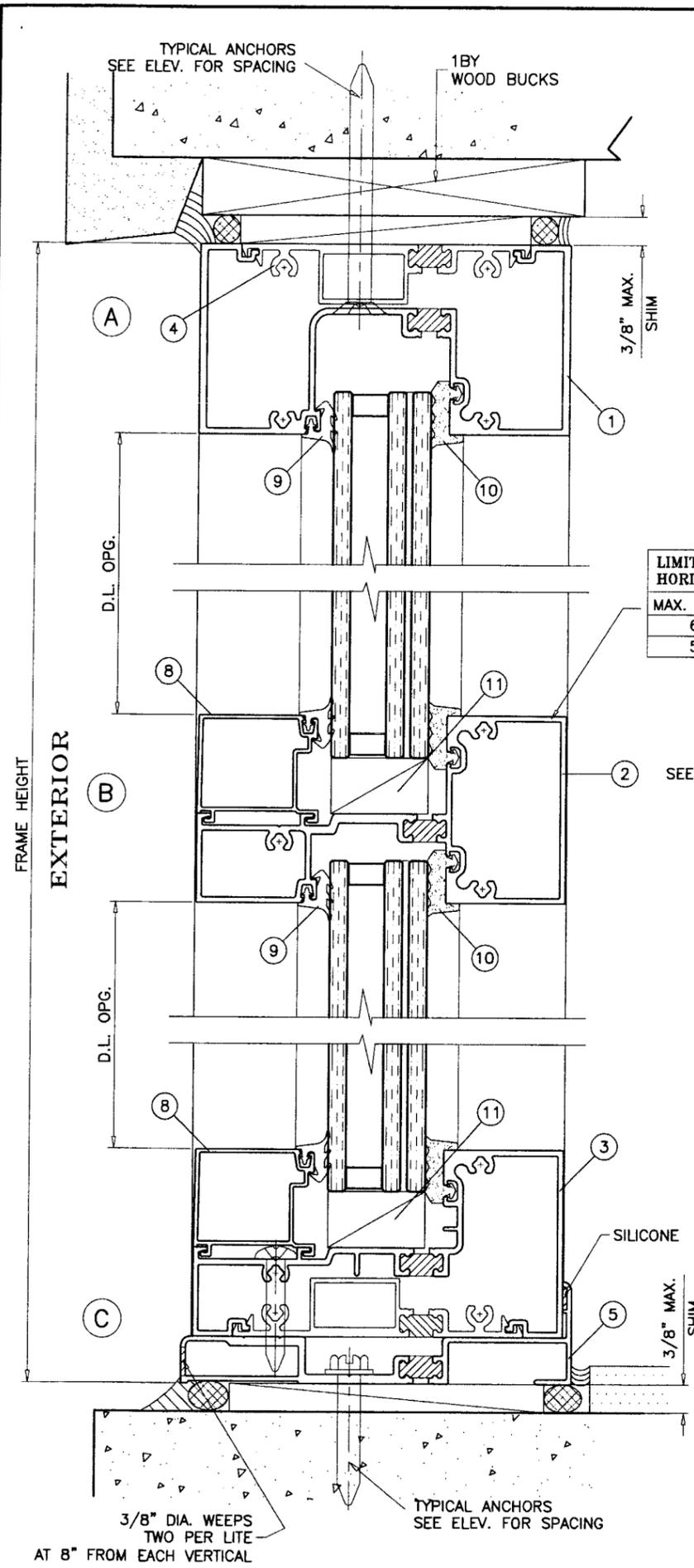
Approved as complying with the
Florida Building Code
Date: Nov. 15, 2007
No: 07-0503.16
Miami Dade Product Control
By: *Manuel Perez*

afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W06-75YK

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

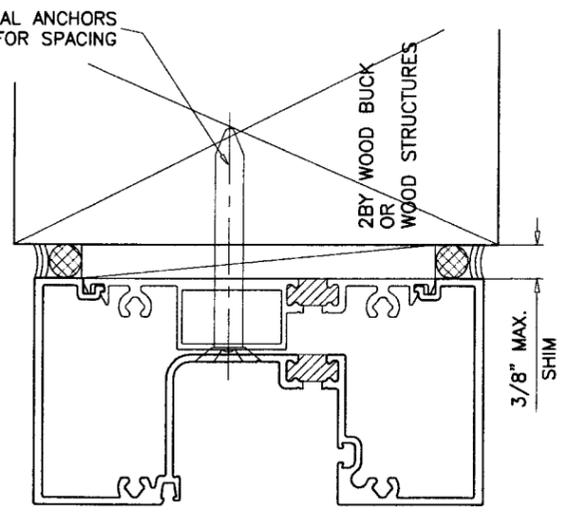
revisions:	no	date	by	description

date: 11-15-06
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no.
W06-75
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. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE. # 16557
 C.A.N. 3538

Approved as complying with the Florida Building Code
 Date: NOV. 13, 2007
 NOA# 07-0503.16
 Miami Dade Product Control
 By: *Mauro Perez*

APR 25 2007

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 W06-75YKK

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

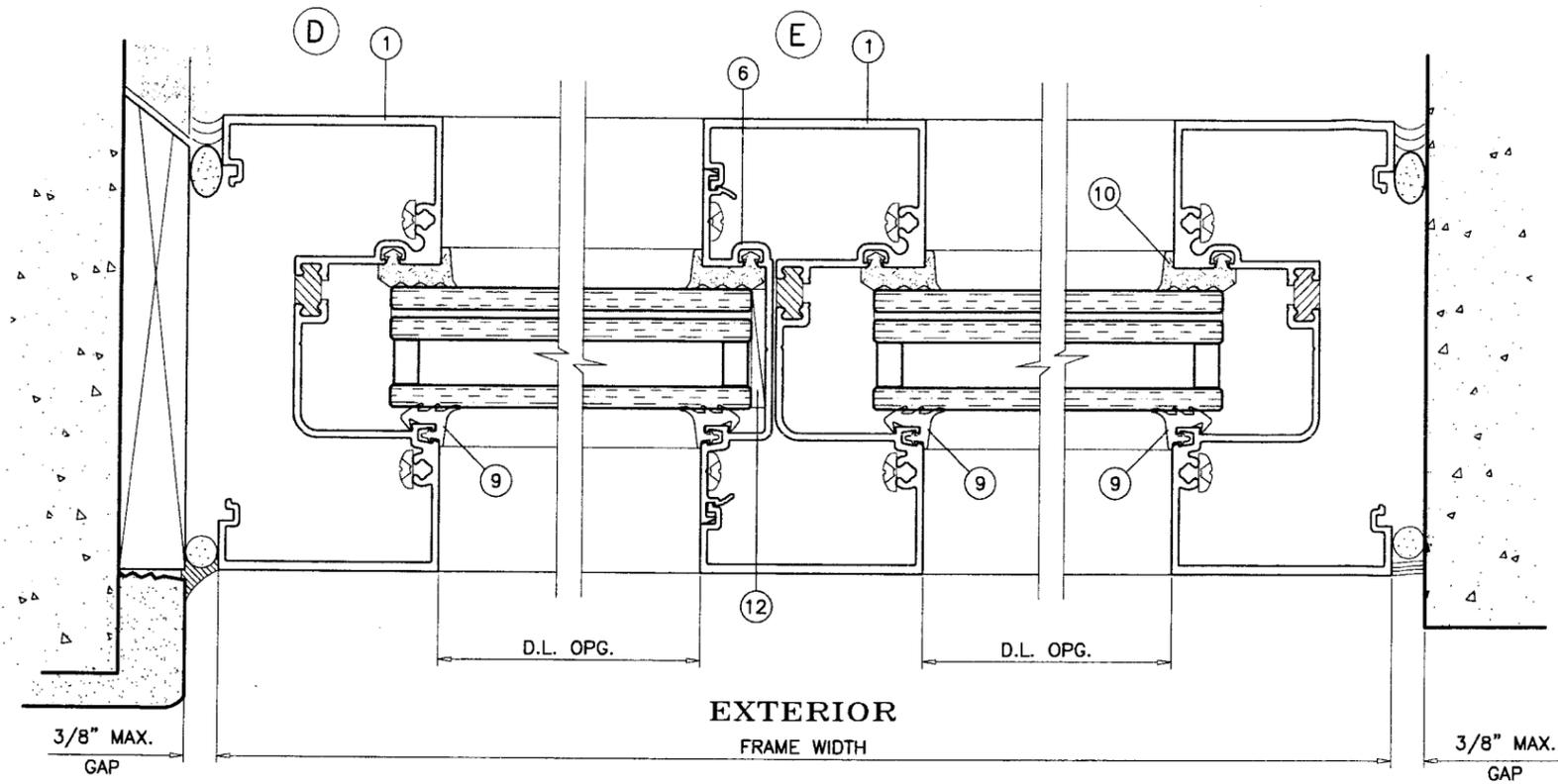


revisions:

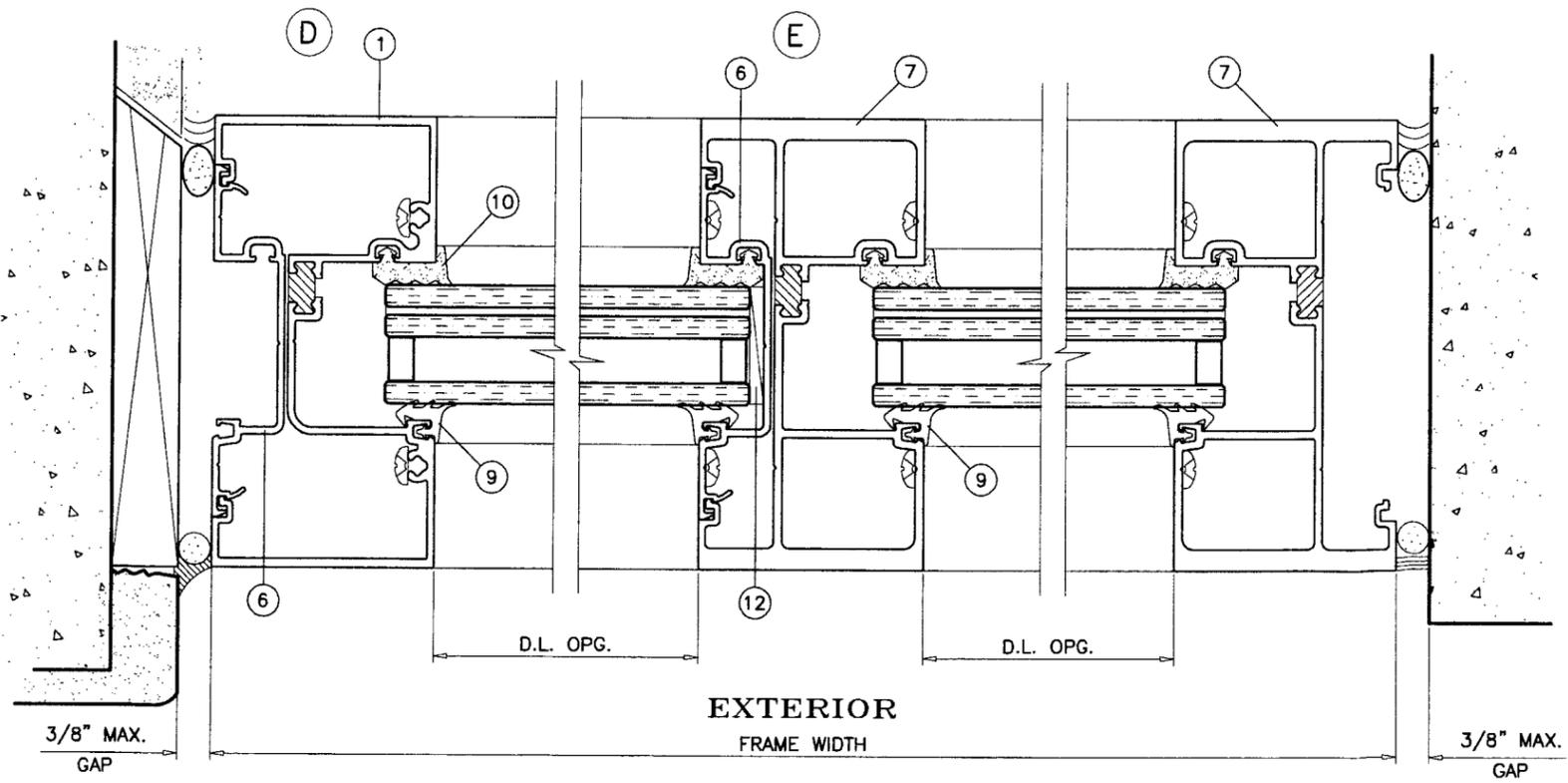
no	date	by	description

date: 11-15-06
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

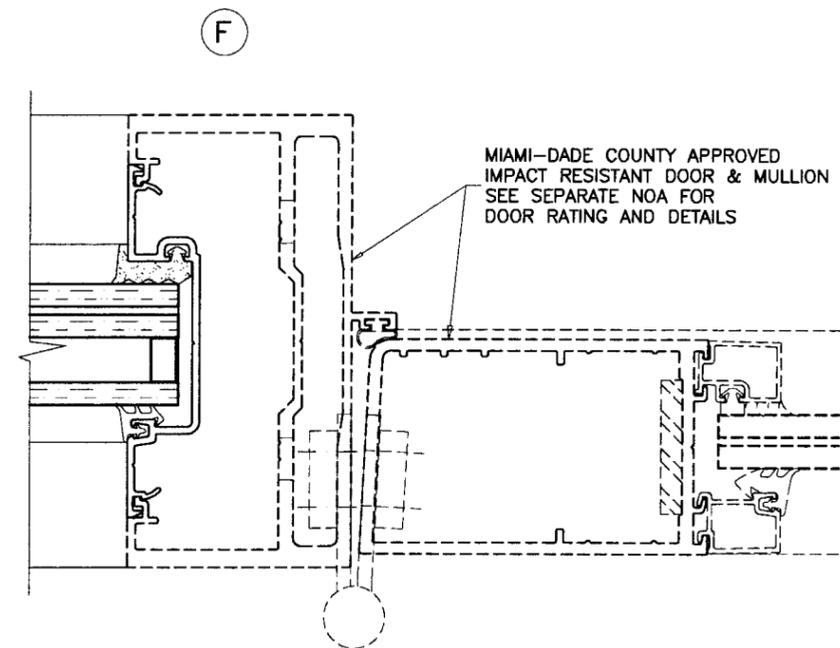
drawing no.
W06-75
 sheet 5 of 8



STD. CONFIGURATION



HEAVY CONFIGURATION



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

Approved as complying with the
Florida Building Code
Date Nov. 15, 2007
NOA: 07-0503.16
Miami-Dade Product Control
Manuel P...

APR 25 2007

afc

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W06-75YKK

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

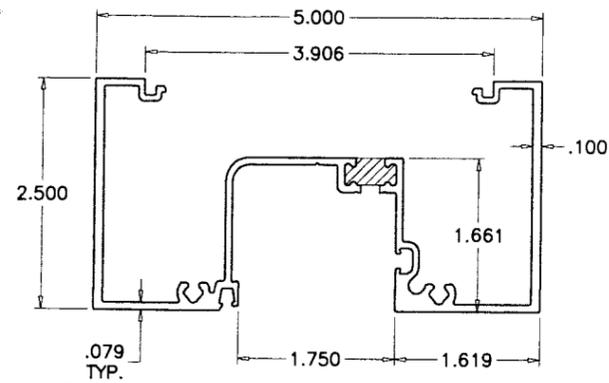
YKK AP

revisions:	no	date	by	description

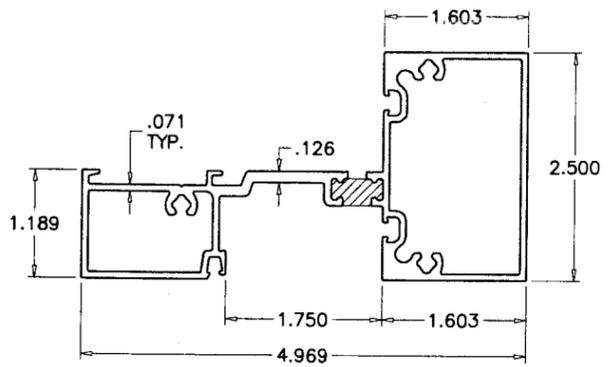
date: 11-15-06
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W06-75

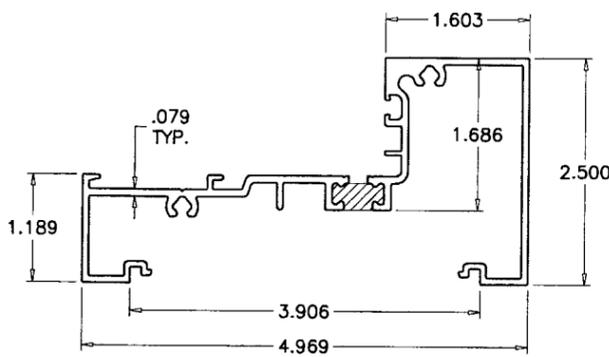
sheet 6 of 8



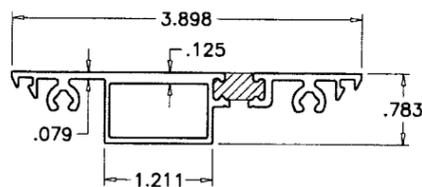
① FRAME HEAD/SILL/JAMB



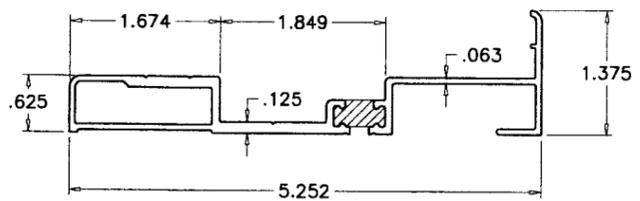
② FRAME HORIZONTAL



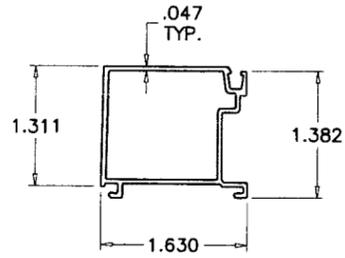
③ FRAME SILL



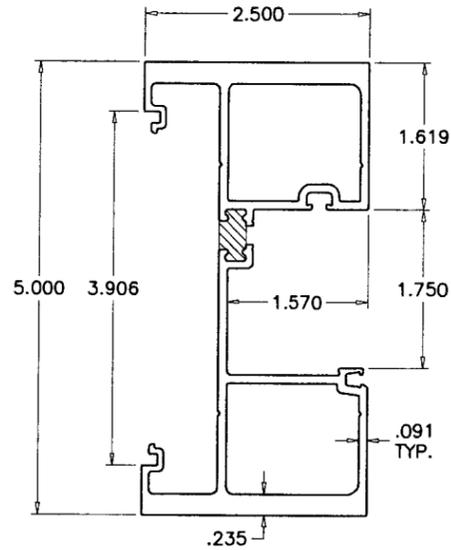
④ FLAT FILLER



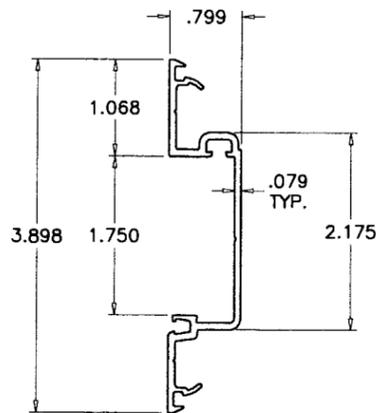
⑤ SILL FLASHING



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. HUMAYOUM FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

APR 25 2007

Approved as complying with the
Florida Building Code
Date: NOV. 15, 2007
NCA# D7-0503.16
Miami Dade Product Control
By: *Manuel Perez*

afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W06-75YK

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

revisions:

no	date	by	description

date: 11-15-06
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W06-75

sheet 7 of 8

