



**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)

**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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "YHS-50" Aluminum Glazed Storefront System (NJ)-Large Missile Impact

APPROVAL DOCUMENT: Drawing No. **W02-04**, titled "YHS-50 Alum Flush Glaze Storefront Sys (L. M.) (N. J.)", sheets 1 through 6 of 6, prepared by Al-Farooq Corporation, dated 01-20-02 and last revised on 08-24-02, signed and sealed by Dr. Humayuon 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: Large 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.

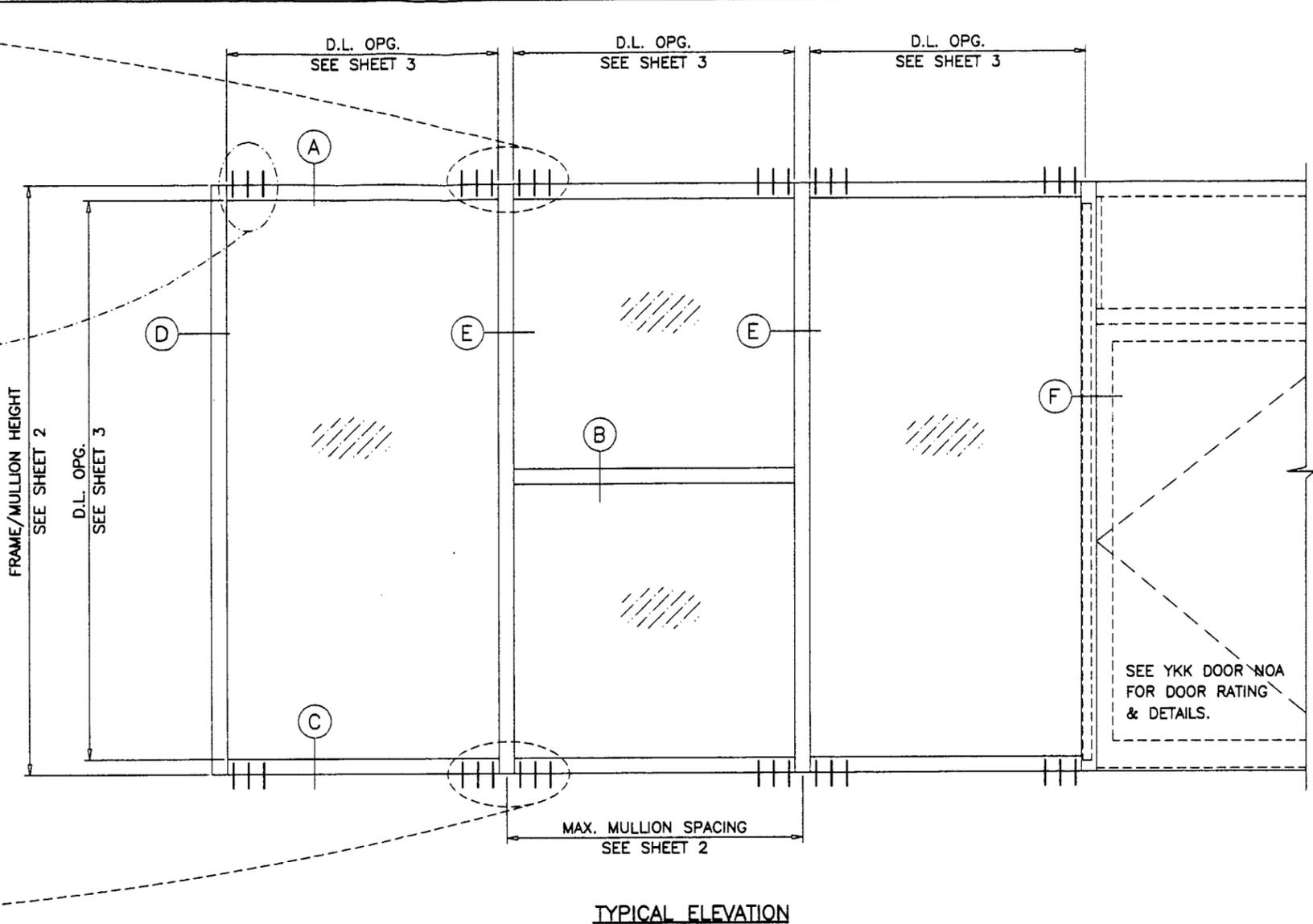
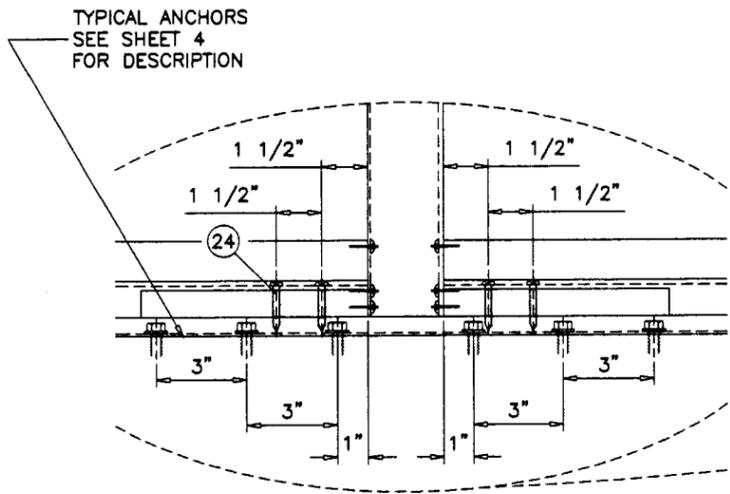
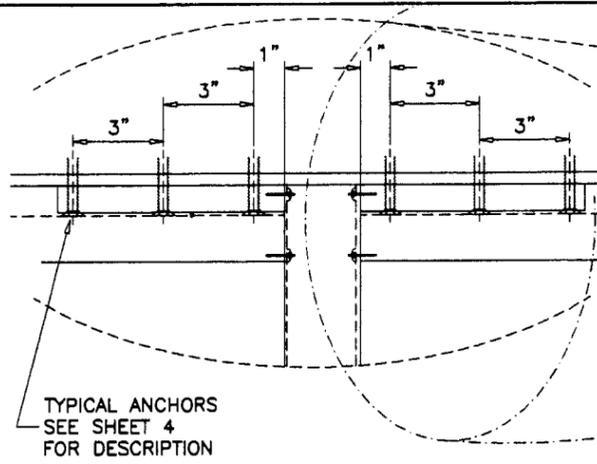
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises & renews** NOA # **00-0315.02** and consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



**NOA No 02-0215.17
Expiration Date: September 19, 2007
Approval Date: September 19, 2002
Page 1**



SEE YKK DOOR NOA
FOR DOOR RATING
& DETAILS.

**ALUMINUM FLUSH GLAZED STOREFRONT SYSTEM
SERIES YHS-50, STD. DUTY (WITHOUT JAMB ANCHORS)**

SEE SEPARATE NOA FOR ADDITIONAL OPTIONS INCLUDING REINFORCEMENTS

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
FOR ANY KIND OF GLASS BEING USED.

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE
ZONE OF THE 2001 FLORIDA BUILDING CODE.
ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS.
ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL
DRESSING OR STUCCO.

ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED
ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE
USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND
HEIGHT USING CHARTS ON SHEET 2.
THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 3** SEE CHARTS ON SHEETS ON SHEET 3 FOR CAPACITY
OF DESIRED GLASS SIZE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-0215.17
Expiration Date SEPTEMBER 19, 2007
By Ishaq J. Chauda
Miami Dade Product Control
Division

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
AUG 26 2002

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE/W02-04YKK

YKK AP AMERICA INC.
5630 GWALTNEY DRIVE
ATLANTA, GA. 30336
TEL.(404) 629-3800 FAX(404) 629-3810
YHS-50 ALUM FLUSH GLAZE STOREFRONT SYS. (L.M.) (N.J.)

no	date	by	description
A	06.17.02		REV. PER BCCO COMMENTS
B	07.23.02		REV. PER BCCO COMMENTS
C	08.24.02		REV. PER BCCO COMMENTS

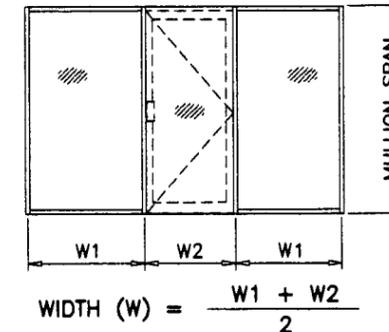
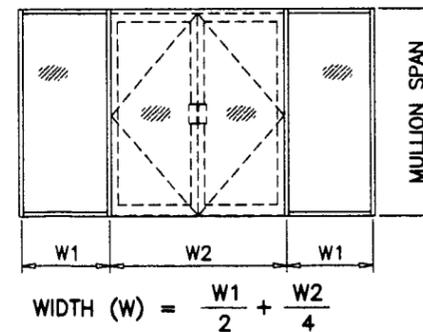
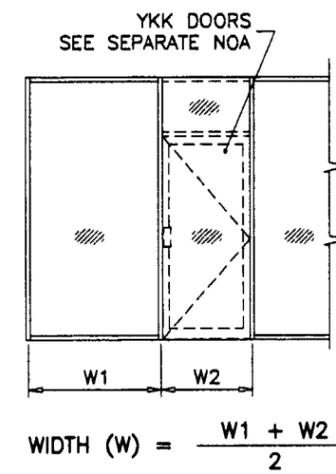
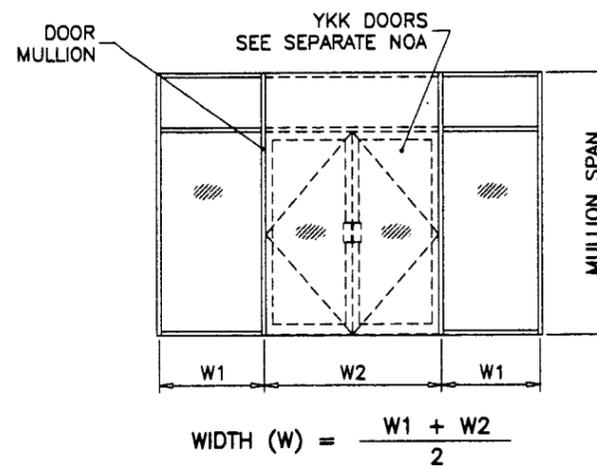
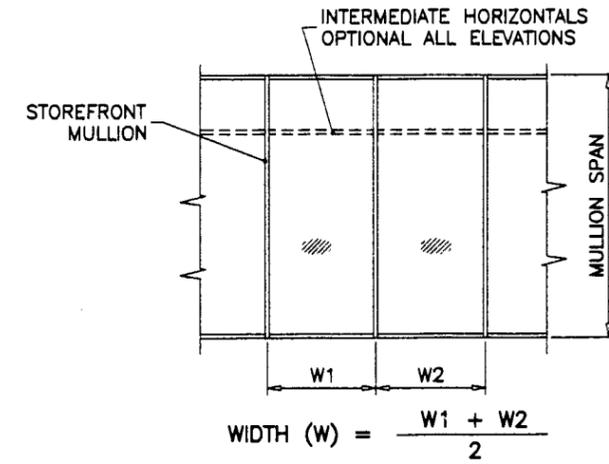
date: 01-20-02
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no.
W02-04
sheet 1 of 6

NOMINAL DIMS.		MULLION LOAD CAPACITY-PSF	
WIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)
36"	72"	65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		65.0	65.0
51"		65.0	65.0
54"		65.0	65.0
57"		65.0	65.0
60"		65.0	65.0
63"		65.0	65.0
66"		65.0	65.0
69"		65.0	65.0
72"	65.0	65.0	
36"	78"	65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		65.0	65.0
51"		65.0	65.0
54"		65.0	65.0
57"		65.0	65.0
60"		65.0	65.0
63"		65.0	65.0
66"		65.0	65.0
69"		60.0	60.0
72"	60.0	60.0	
75"	60.0	60.0	
36"	84"	65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		65.0	65.0
51"		65.0	65.0
54"		65.0	65.0
57"		65.0	65.0
60"		65.0	65.0
63"		60.0	60.0
66"		60.0	60.0
69"		60.0	60.0
36"	86-1/2"	65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		65.0	65.0
51"		65.0	65.0
54"		65.0	65.0
57"		65.0	65.0
60"		65.0	65.0
63"		60.0	60.0
66"		60.0	60.0
69"		60.0	60.0

NOMINAL DIMS.		MULLION LOAD CAPACITY-PSF		
WIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)	
36"	90"	60.0	60.0	
39"		60.0	60.0	
42"		60.0	60.0	
45"		60.0	60.0	
48"		60.0	60.0	
51"		60.0	60.0	
54"		60.0	60.0	
57"		60.0	60.0	
60"		60.0	60.0	
63"		60.0	60.0	
66"		60.0	60.0	
69"		60.0	60.0	
72"	60.0	60.0		
39"	96"	60.0	60.0	
42"		60.0	60.0	
45"		60.0	60.0	
48"		60.0	60.0	
51"		60.0	60.0	
54"		60.0	60.0	
57"		60.0	60.0	
60"		60.0	60.0	
63"		60.0	60.0	
66"		60.0	60.0	
69"		60.0	60.0	
72"		60.0	60.0	
36"	102"	60.0	60.0	
39"		60.0	60.0	
42"		60.0	60.0	
45"		60.0	60.0	
48"		60.0	60.0	
51"		60.0	60.0	
54"		60.0	60.0	
57"		58.5	58.5	
36"		108"	60.0	60.0
39"			60.0	60.0
42"			60.0	60.0
45"			60.0	60.0
48"	58.6		58.6	
50"	55.1		55.1	
54"	52.1		52.1	
36"	114"		60.0	60.0
39"			60.0	60.0
42"			56.9	56.9
45"			53.1	53.1
48"			49.8	49.8
51"		46.9	46.9	
36"		120"	56.9	56.9
39"			52.6	52.6
42"			48.8	48.8
45"			45.5	45.5
48"			42.7	42.7

MULLION CAPACITY CHARTS



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 02-0215-17
 Expiration Date SEP 19, 2007
 By Ishaq I. Chande
 Miami Dade Product Control
 Division

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 F.T.A. PE # 18557
AUG 26 2002

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE/WO2-04YKK

YHS-50 ALUM FLUSH GLAZE STOREFRONT SYS. (L.M.) (N.J.)

YKK AP AMERICA INC.
 5630 GWALTNEY DRIVE
 ATLANTA, GA. 30336
 TEL. (404) 629-3800 FAX (404) 629-3810

revisions:
 no date by description

date: 01-20-02
 scale: 1/2"=1'-0"
 dr. by: HAMID
 chk. by:

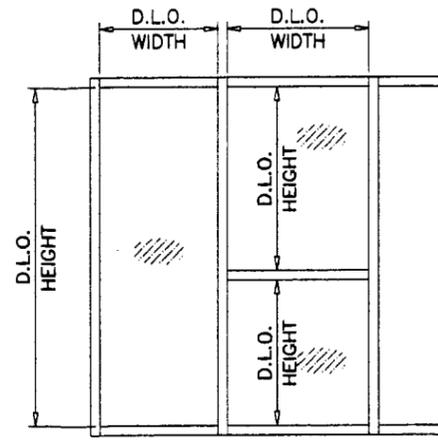
drawing no.
WO2-04

sheet 2 of 6

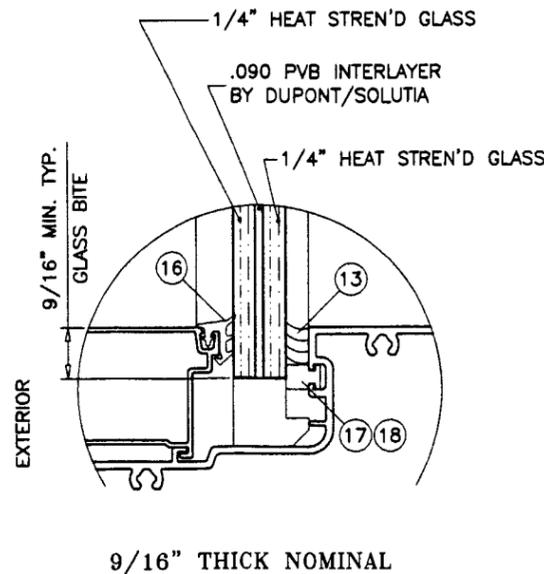
GLASS DESIGN LOAD CAPACITY - PSF			
D.L.O. DIMS.		9/16" GLASS	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)
24"	42"	65.0	65.0
30"		65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
24"	48"	65.0	65.0
30"		65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"	54"	65.0	65.0
24"		65.0	65.0
30"		65.0	65.0
36"		65.0	65.0
42"	60"	65.0	65.0
48"		65.0	65.0
54"		65.0	65.0
57-1/2"		65.0	65.0
60"	66"	65.0	65.0
24"		65.0	65.0
30"		65.0	65.0
36"		65.0	65.0
42"	72"	65.0	65.0
48"		65.0	65.0
54"		65.0	65.0
57-1/2"		65.0	65.0
60"	78"	65.0	65.0
24"		65.0	65.0
30"		65.0	65.0
36"		65.0	65.0
42"	80-7/8"	65.0	65.0
48"		65.0	65.0
54"		65.0	65.0
57-1/2"		65.0	65.0

GLASS DESIGN LOAD CAPACITY - PSF			
D.L.O. DIMS.		9/16" GLASS	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)
24"	84"	60.0	60.0
30"		60.0	60.0
36"		60.0	60.0
42"		60.0	60.0
48"	90"	60.0	60.0
54"		60.0	60.0
24"		60.0	60.0
30"		60.0	60.0
36"	96"	60.0	60.0
42"		60.0	60.0
48"		60.0	60.0
24"		60.0	60.0
30"	102"	60.0	80.0
36"		60.0	60.0
42"		60.0	60.0
24"		60.0	60.0
30"	108"	60.0	60.0
36"		60.0	60.0
42"		60.0	60.0
24"		60.0	60.0
30"	120"	60.0	60.0
36"		60.0	60.0
42"		60.0	60.0

VALUES SHOWN ABOVE ARE MAXIMUM DESIGN LOAD CAPACITY FOR GLASS.
CONSULT WITH CHART AT SHEET 2 FOR STOREFRONT MULLION AND DOOR MULLION CAPACITIES.



GLASS CHARTS



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 62-0215-17
Expiration Date SEP 19, 2007
By Ishag J. Ugueta
Miami Dade Product Control Division

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
AUG 26 2002

afsc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE/W02-04YKK

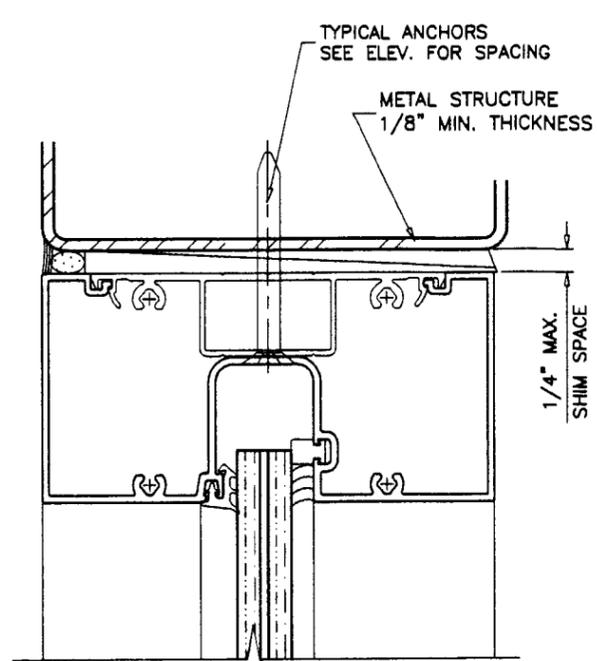
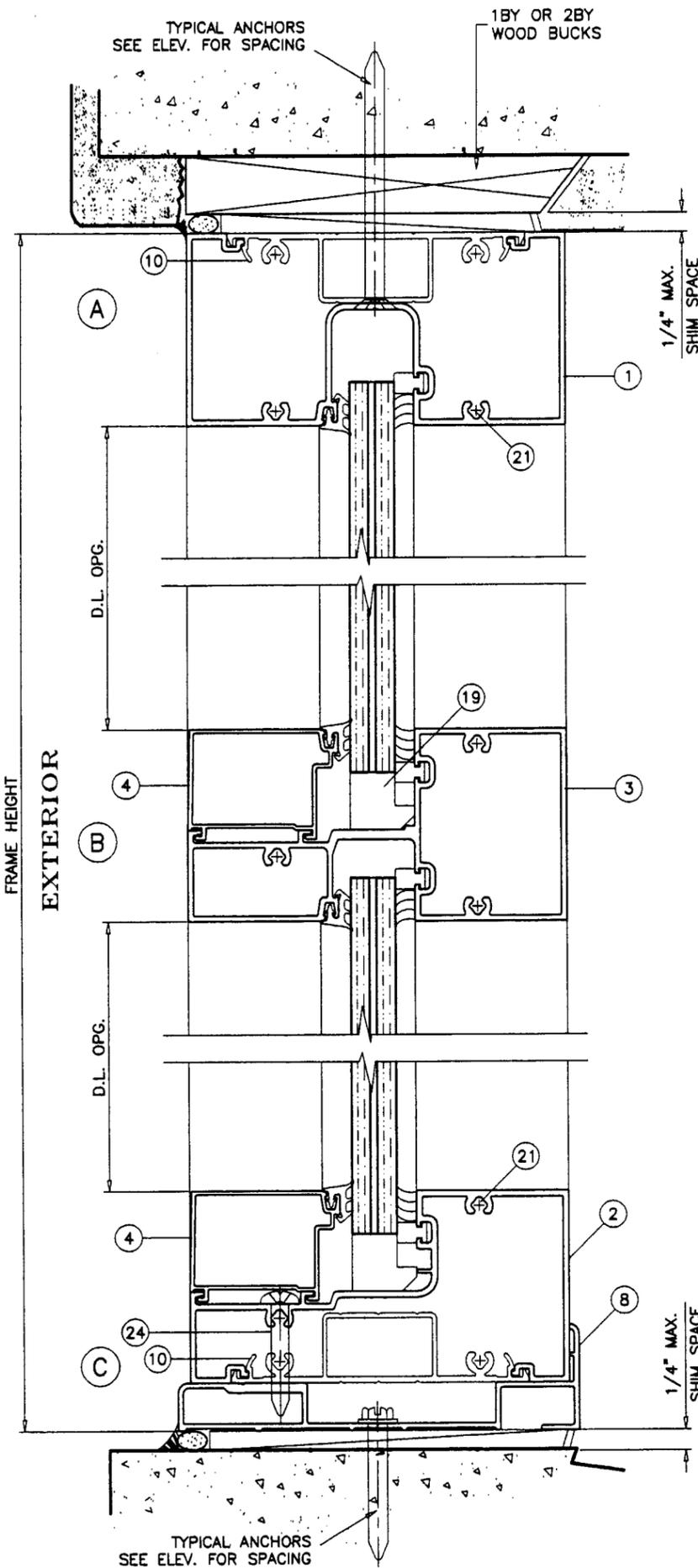
YKK AP AMERICA INC.
5630 GWALTNEY DRIVE
ATLANTA, GA. 30336
TEL.(404) 629-3800 FAX(404) 629-3810

YMS-50 ALUM FLUSH GLAZE STOREFRONT SYS. (L.M.) (N.J.)

revisions:	no	date	by	description

date: 01-20-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
AUG 26 2002

drawing no.
W02-04
sheet 3 of 6



ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E9-0601	AS REQD.	FRAME HEAD	6063-T5	-
2	E9-0615	AS REQD.	FRAME SILL	6063-T5	-
3	E9-0603	AS REQD.	FRAME HORIZONTAL	6063-T5	-
4	E9-0608	AS REQD.	GLAZING STOP	6063-T5	-
5	E9-0604	AS REQD.	FRAME JAMB	6063-T5	-
6	E9-0605	AS REQD.	MULLION	6063-T5	-
7	E9-0606	AS REQD.	POCKET FILLER	6063-T5	-
8	E9-0616	AS REQD.	SILL FLASHING	6063-T5	-
10	E1-1071	AS REQD.	ANCHOR PLATE	6063-T5	-
13	DOW 995	AS REQD.	GLAZING COMPOUND	SILICONE	-
16	E2-0083	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	-
17	E2-0084	AS REQD.	INTERIOR SILICONE SPACER	EPDM	-
18	E2-0094	AS REQD.	SIDE BLOCK	EPDM	-
19	E2-0080	AS REQD.	SETTING BLOCK	EPDM	-
21	PC-1216	AS REQD.	#12 X 1" SMS	STEEL	FOR SCREW SPLINE
22	FF-1008	AS REQD.	#10 X 1/2" SMS	STEEL	FOR GLAZING POCKET FILLER
23	PC-1408	AS REQD.	#14 X 1/2" SMS	STEEL	FOR THRESHOLD
24	PC-1424	AS REQD.	#14 X 1-1/2" SMS	STEEL	FOR SILL

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

SEALANTS:

ALL FRAME CORNERS SEALED WITH DOW-795 SILICONE SEALANT.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA TAPPERS BY 'RAWL'

INTO WOOD STRUCTURES
2" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#1/4-20 KWIK-FLEX SELF DRILLING SCREWS BY 'HILTI'

INTO METAL STRUCTURES
(STEEL OR ALUMINUM 1/8" MIN. THICK.)

STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 3-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

PRODUCT REVISED

as complying with the Florida
Building Code
Acceptance No 02-0215-17
Expiration Date SEP 19, 2007

By Ishag I. Chaudhry
Miami Dade Product Control
Division

Engr. DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
AUG 26 2007

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W02-04YKK

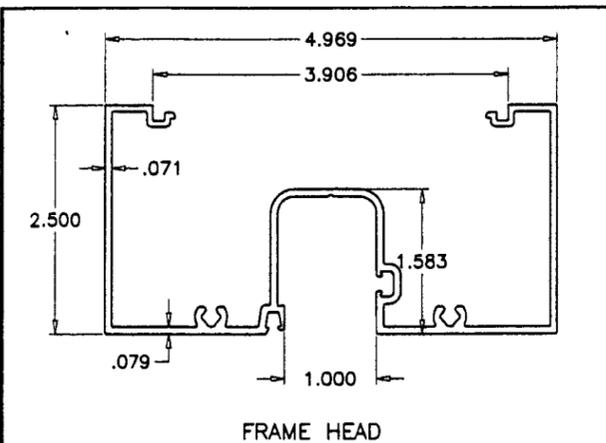
YHS-50 ALUM FLUSH GLAZE STOREFRONT SYS. (L.M.) (N.J.)
YKK AP AMERICA INC.
5630 GWALTNEY DRIVE
ATLANTA, GA. 30336
TEL-(404) 629-3800 FAX(404) 629-3810

revisions:	no	date	by	description

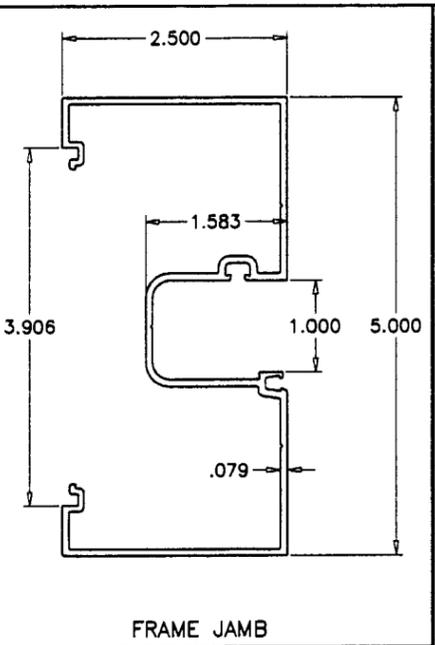
date: 01-20-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W02-04

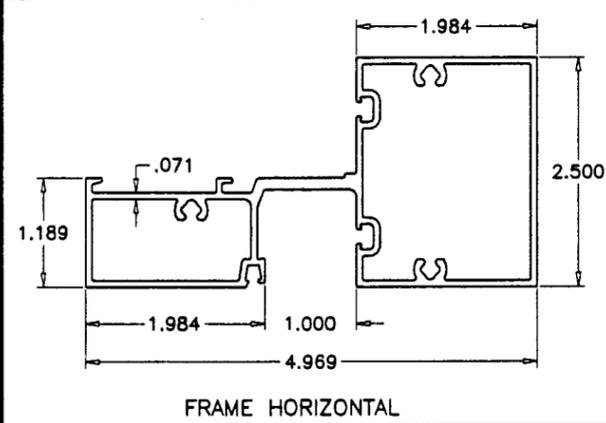
sheet 4 of 6



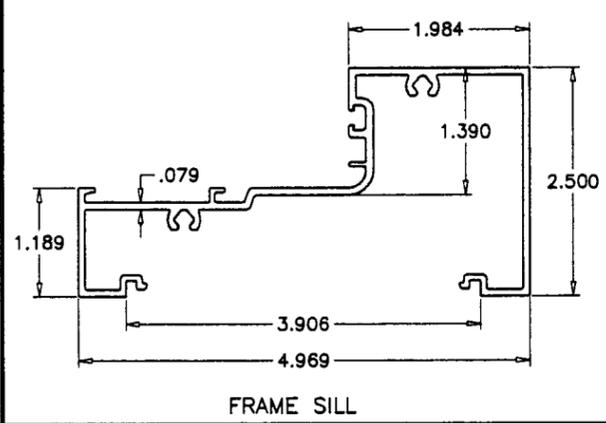
FRAME HEAD



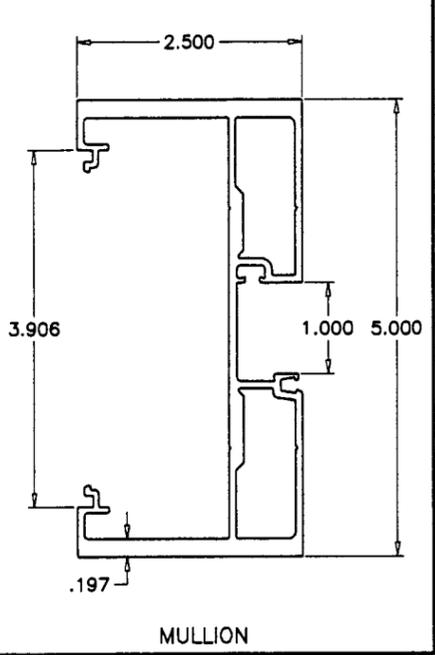
FRAME JAMB



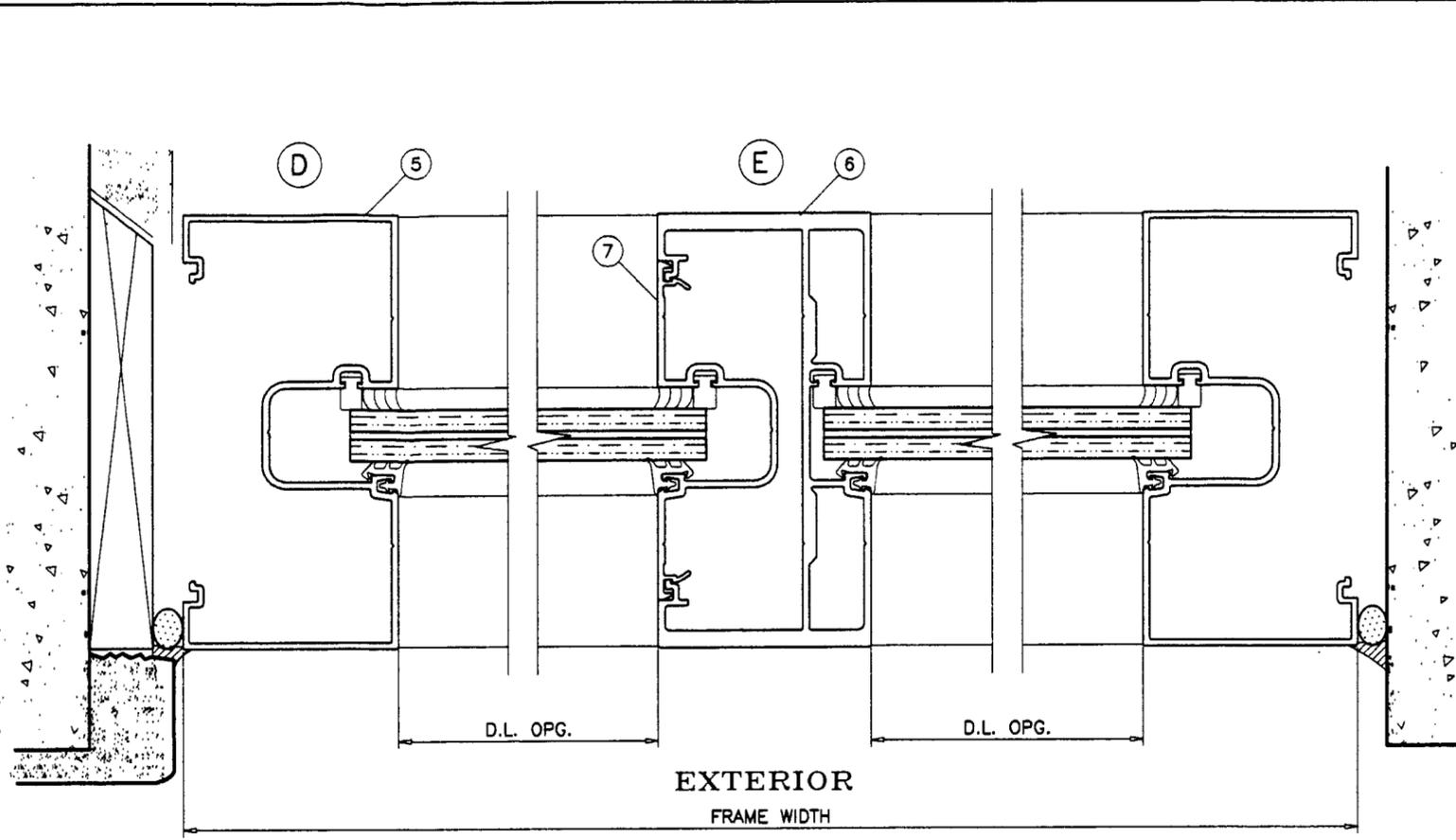
FRAME HORIZONTAL



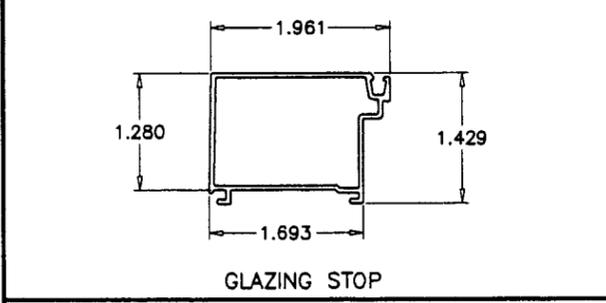
FRAME SILL



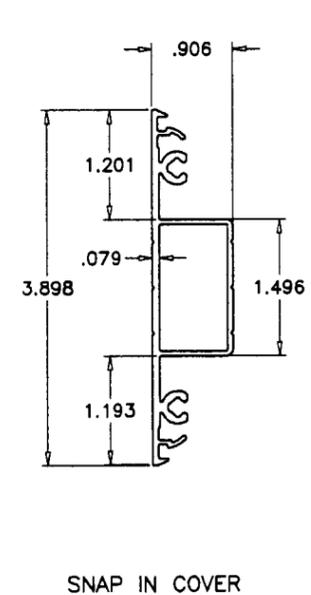
MULLION



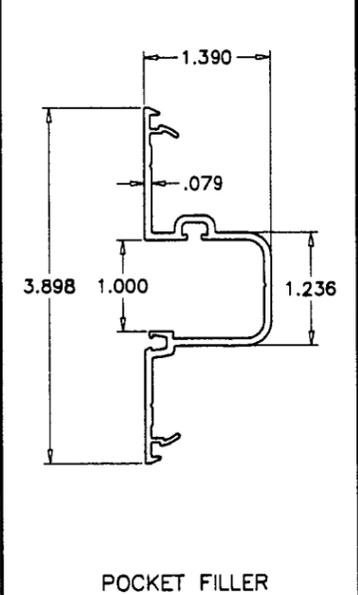
EXTERIOR
FRAME WIDTH



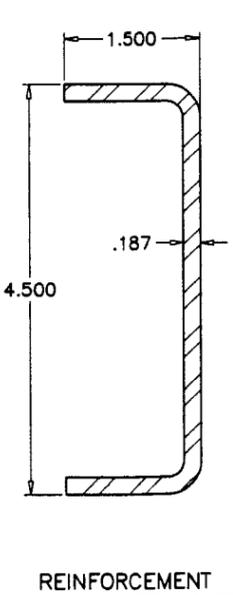
GLAZING STOP



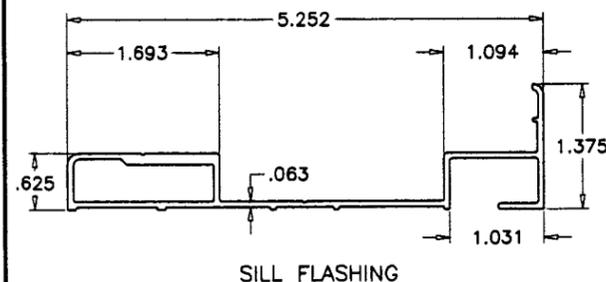
SNAP IN COVER



POCKET FILLER

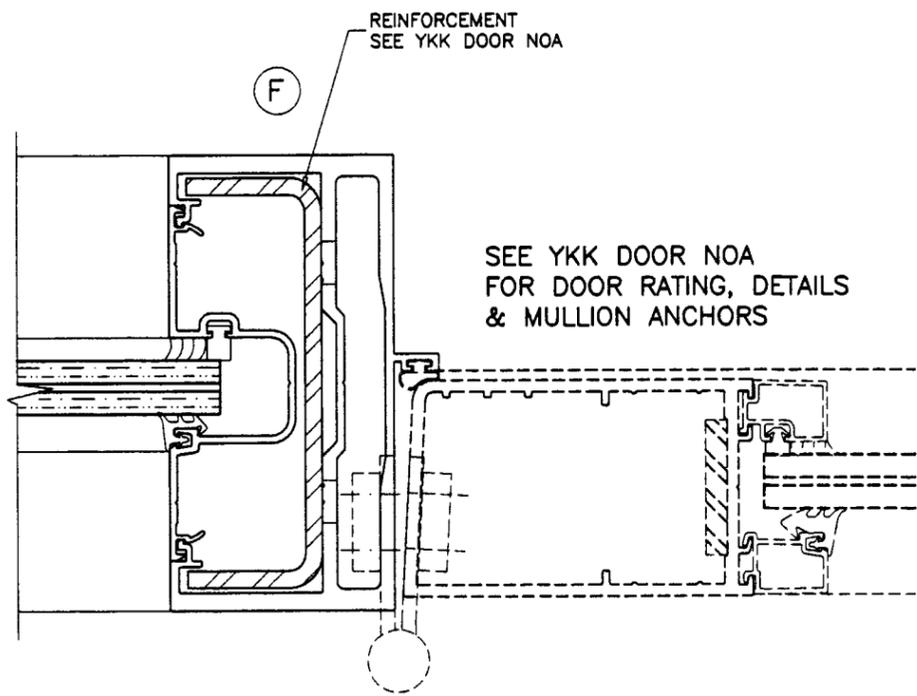


REINFORCEMENT



SILL FLASHING

DIMENSIONS ARE INCHES



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-0215-17
Expiration Date SEP 19, 2007
By Ichag I. Chanda
Miami Dade Product Control
Division

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
AUG 26 2007

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

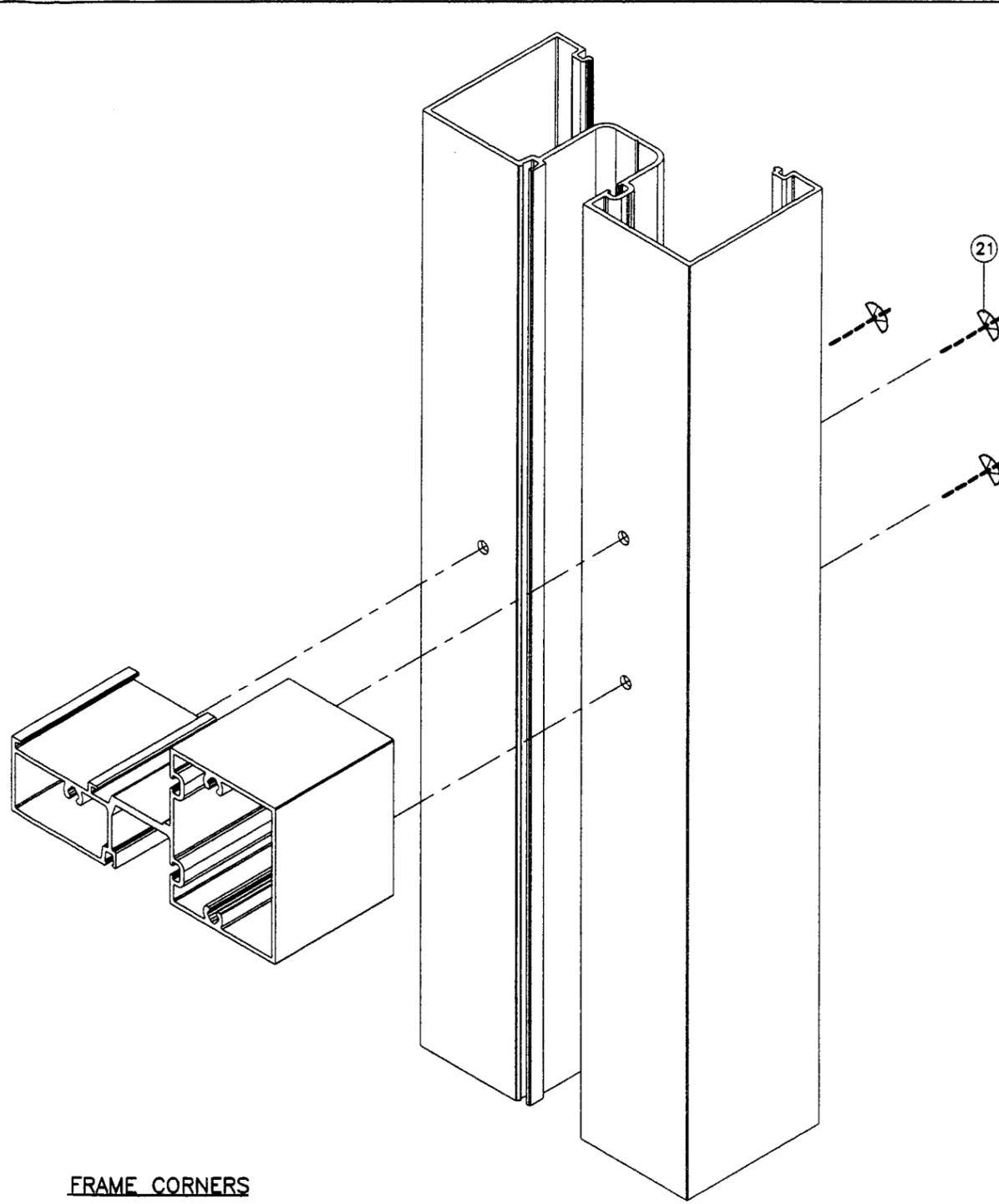
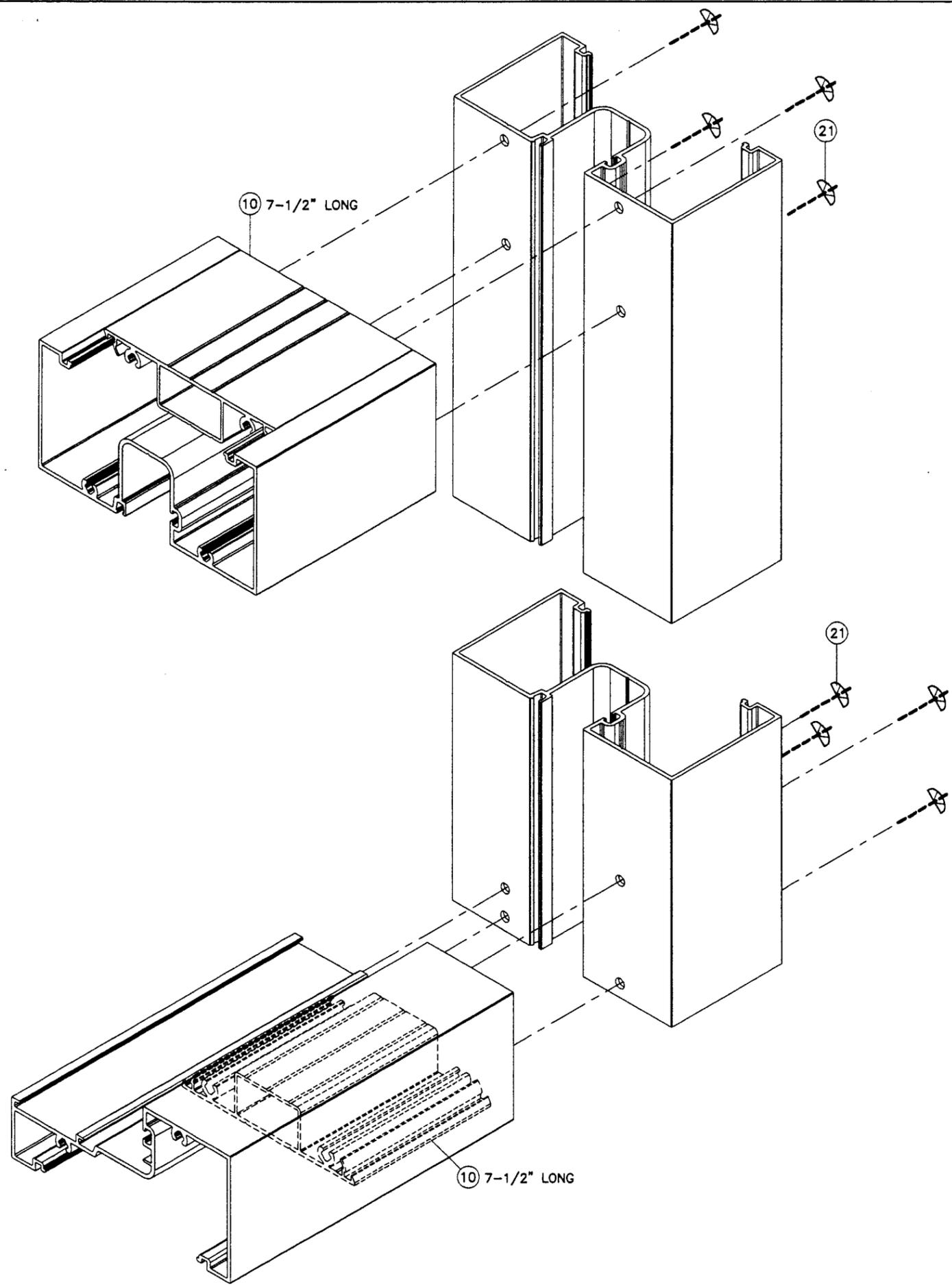
YKK AP AMERICA INC.
5630 GWALTNEY DRIVE
ATLANTA, GA. 30336
TEL (404) 629-3800 FAX (404) 629-3810

YHS-50 ALUM FLUSH GLAZE STOREFRONT SYS. (L.M.) (N.J.)

AL-FAROOQ CORPORATION logo

no	date	description

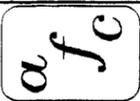
date: 01-20-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no. **W02-04**
sheet 5 of 6



FRAME CORNERS

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 02-0215-17
 Expiration Date SEP 19, 2007
 By Ishag I. Lhanda
 Miami Dade Product Control
 Division

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 AUG 26 2002

																									
AL-FAROOQ CORPORATION ENGINEERS, PLANNERS & PRODUCT DESIGN 1235 SW 87 AVE MIAMI, FLORIDA 33174 TEL. (305) 264-8100 FAX. (305) 262-6978 STORE\W02-04YKK																									
YKK AP AMERICA INC. 5630 GWALTNEY DRIVE ATLANTA, GA. 30336 TEL.(404) 629-3800 FAX(404) 629-3810																									
																									
YHS-50 ALUM FLUSH GLAZE STOREFRONT SYS. (L.M) (N.J.)																									
date: 01-20-02 scale: 1/2" = 1" dr. by: HAMID chk. by:	revisions: <table border="1"> <thead> <tr> <th>no</th> <th>date</th> <th>by</th> <th>description</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	no	date	by	description																				
no	date	by	description																						
drawing no. W02-04																									
sheet 6 of 6																									