

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

DESCRIPTION: Aluminum Flush Glazed Storefront System Series YHS-50 FI

APPROVAL DOCUMENT: Drawing No. **W02-15** sheet 1 through 5 of 5, dated 4/10/02, titled "YHS-50 F-1 Alum Flush Storefront Sys. (S.M.)", prepared by manufacturer, signed and sealed by Dr. Humayoun Farook, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Small missile

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.

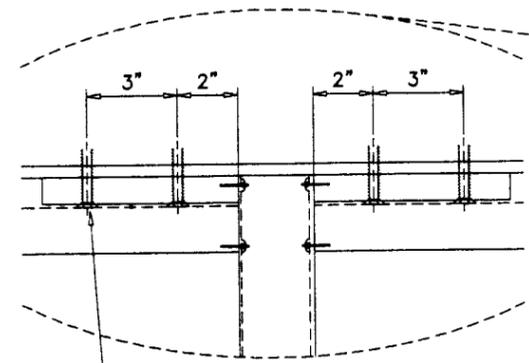
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This **NOA # 02-0618.09** consists of this page 1 as well as approval document mentioned above.

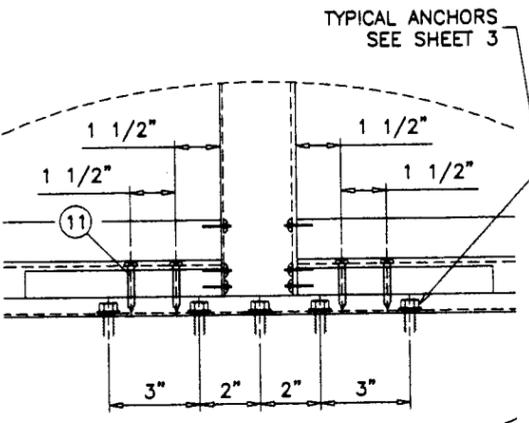
The submitted documentation was reviewed by **Jaime M. Eisen, P.E.**



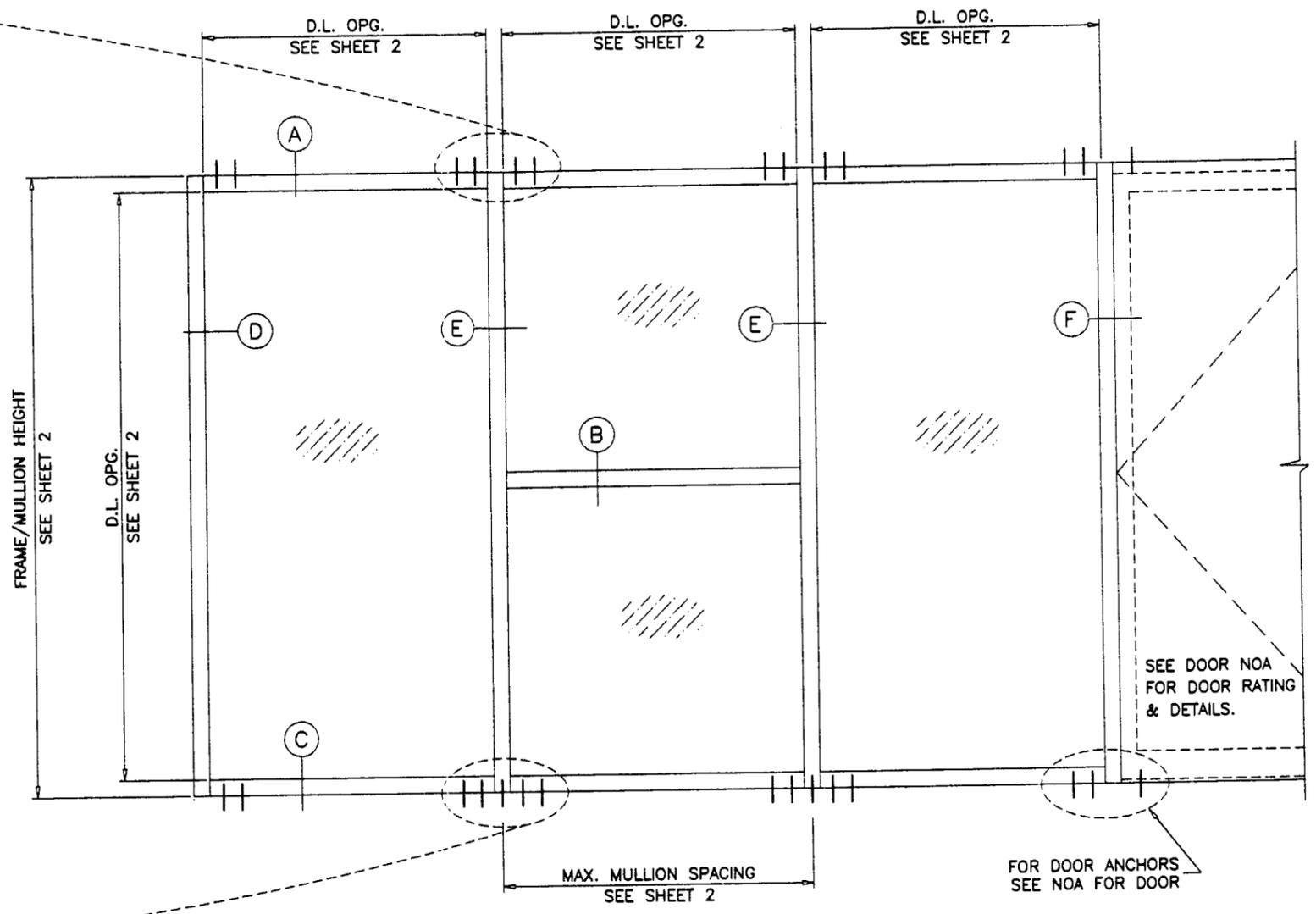
**NOA No 02-0618.09
Expiration Date: September 05, 2007
Approval Date: September 05, 2002
Page 1**



TYPICAL ANCHORS
SEE SHEET 3



TYPICAL ANCHORS
SEE SHEET 3



TYPICAL ELEVATION

**ALUMINUM FLUSH GLAZED STOREFRONT SYSTEM
SERIES YHS-50 F-I (SMALL MISSILE IMPACT)**

STOREFRONT SYSTEM IS DESIGNED TO BE ANCHORED AT TOP AND BOTTOM ONLY.

SEE CHARTS ON SHEET 2 TO DETERMINE DESIGN LOAD CAPACITY OF MULLIONS AND GLASS FOR DIFFERENT OPENING SIZES.

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI-DADE COUNTY APPROVED ENTRANCE DOORS.

STOREFRONT SYSTEM IS RATED FOR SMALL MISSILE IMPACT. SHUTTERS NOT REQUIRED FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

NOTES:

1. THIS PRODUCT IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY AND 2001 FLORIDA BUILDING CODE. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

Approved as complying with the
Florida Building Code
Date 09/05/02
NOA# 02-0618-09
Miami Dade Product Control
Division
By [Signature]

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
APR 10 2002

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE\W02-15YKK

YHS-50 F-I ALUM FLUSH GLAZE STOREFRONT SYS. (S.M.)

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

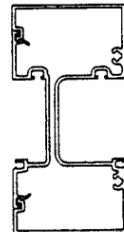
revisions:	no	date	by	description

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

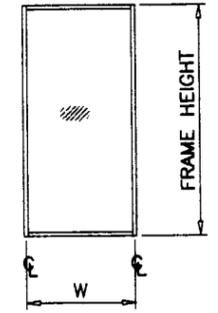
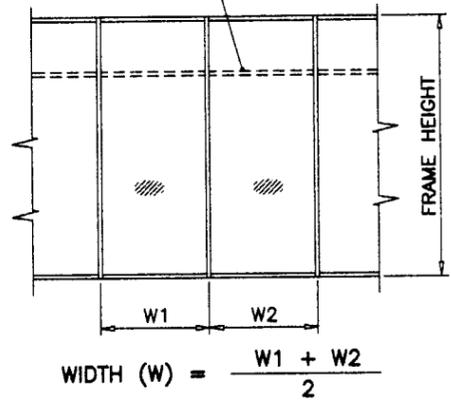
drawing no.
W02-15
sheet 1 of 5

MULLION LOAD CAPACITY - PSF				
NOMINAL DIMS.		STANDARD MULL		
WIDTH (W)	FRAME HT.	EXT. (+)	INT. (-)	
36"	75"	70.0	70.0	
39"		70.0	70.0	
42"		70.0	70.0	
45"		70.0	70.0	
48"		70.0	70.0	
51"		70.0	70.0	
54"		70.0	70.0	
57"		70.0	70.0	
60"		70.0	70.0	
63"		70.0	70.0	
66"		70.0	70.0	
69"		70.0	70.0	
72"		70.0	70.0	
36"		78"	70.0	70.0
39"	70.0		70.0	
42"	70.0		70.0	
45"	70.0		70.0	
48"	70.0		70.0	
51"	70.0		70.0	
54"	70.0		70.0	
57"	70.0		70.0	
60"	70.0		70.0	
63"	70.0		70.0	
66"	70.0		70.0	
69"	70.0		70.0	
36"	84"		70.0	70.0
39"			70.0	70.0
42"		70.0	70.0	
45"		70.0	70.0	
48"		70.0	70.0	
51"		70.0	70.0	
54"		70.0	70.0	
57"		70.0	70.0	
60"		70.0	70.0	
63"		70.0	70.0	
36"		90"	70.0	70.0
39"			70.0	70.0
42"			70.0	70.0
45"			70.0	70.0
48"	70.0		70.0	
51"	70.0		70.0	
54"	70.0		70.0	
57"	70.0		70.0	
60"	70.0		70.0	
36"	96"		70.0	70.0
39"			70.0	70.0
42"			70.0	70.0
45"			70.0	70.0
48"			70.0	70.0
51"		70.0	70.0	
54"		70.0	70.0	
57"		70.0	70.0	
60"		70.0	70.0	
63"		70.0	70.0	
66"		70.0	70.0	
69"		70.0	70.0	
72"		70.0	70.0	

MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		STANDARD MULL	
WIDTH (W)	FRAME HT.	EXT. (+)	INT. (-)
36"	102"	70.0	70.0
39"		70.0	70.0
42"		68.7	68.7
45"		64.1	64.1
48"		60.1	60.1
51"		56.6	56.6
36"	108"	67.5	67.5
39"		62.3	62.3
42"		57.9	57.9
45"		54.0	54.0
48"		50.6	50.6
51"		47.4	47.4
36"	114"	57.4	57.4
39"		53.0	53.0
42"		49.2	49.2
45"		45.9	45.9
48"		42.2	42.2
51"		39.4	39.4



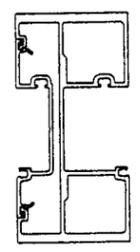
INTERMEDIATE HORIZONTALS
OPTIONAL ALL ELEVATIONS



SINGLE LITE

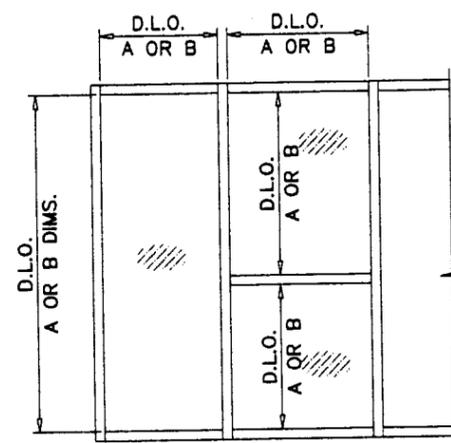
MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		HEAVY DUTY MULL	
WIDTH (W)	FRAME HT.	EXT. (+)	INT. (-)
36"	90"	70.0	70.0
39"		70.0	70.0
42"		70.0	70.0
45"		70.0	70.0
48"		70.0	70.0
51"		70.0	70.0
54"		70.0	70.0
57"		70.0	70.0
60"		70.0	70.0
63"		70.0	70.0
66"		70.0	70.0
69"		70.0	70.0
72"		70.0	70.0
36"		96"	70.0
39"	70.0		70.0
42"	70.0		70.0
45"	70.0		70.0
48"	70.0		70.0
51"	70.0		70.0
54"	70.0		70.0
57"	70.0		70.0
60"	70.0		70.0
63"	70.0		70.0
66"	70.0		70.0
69"	70.0		70.0
72"	70.0		70.0
36"	102"		70.0
39"		70.0	70.0
42"		70.0	70.0
45"		70.0	70.0
48"		70.0	70.0
51"		70.0	70.0
54"		70.0	70.0
57"		70.0	70.0
60"		70.0	70.0
63"		70.0	70.0
66"		70.0	70.0
69"		70.0	70.0
72"		70.0	70.0
36"		108"	70.0
39"	70.0		70.0
42"	70.0		70.0
45"	70.0		70.0
48"	70.0		70.0
51"	70.0		70.0
54"	70.0		70.0
57"	70.0		70.0
60"	70.0		70.0
63"	70.0		70.0
66"	70.0		70.0
69"	70.0		70.0
72"	70.0		70.0
36"	114"		70.0
39"		70.0	70.0
42"		70.0	70.0
45"		70.0	70.0
48"		70.0	70.0
51"		70.0	70.0
54"		70.0	70.0
57"		70.0	70.0
60"		70.0	70.0
63"		70.0	70.0
66"		70.0	70.0
69"		70.0	70.0
72"		70.0	70.0

MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		HEAVY DUTY MULL	
WIDTH (W)	FRAME HT.	EXT. (+)	INT. (-)
36"	120"	70.0	70.0
39"		70.0	70.0
42"		70.0	70.0
45"		70.0	70.0
48"		68.0	68.0
51"		63.8	63.8
54"		60.0	60.0
57"		56.7	56.7



GLASS LOAD CAPACITY - PSF			
D.L.O. DIMS.		1-5/16" THK. NOMINAL	
A/B	A/B	EXT. (+)	INT. (-)
69.50"	69"	70.0	70.0
67.80"	72"	70.0	70.0
65.16"	75"	70.0	70.0
62.66"	78"	70.0	70.0
60.34"	81"	70.0	70.0
58.18"	84"	70.0	70.0
56.17"	87"	70.0	70.0
54.30"	90"	70.0	70.0
52.55"	93"	70.0	70.0
50.91"	96"	70.0	70.0
49.36"	99"	70.0	70.0
47.91"	102"	70.0	70.0
46.54"	105"	70.0	70.0
45.25"	108"	70.0	70.0
44.03"	111"	70.0	70.0
42.87"	114"	70.0	70.0
41.77"	117"	70.0	70.0
40.72"	120"	70.0	70.0

VALUES SHOWN ABOVE ARE MAXIMUM DAYLITE OPENING DIMS. FOR GLASS. CONSULT WITH CHARTS AT LEFT FOR MULLION CAPACITY.



Approved as complying with the Florida Building Code
Date 09/05/02
NOA# 02-0618.09
Miami Dade Product Control Division
By *[Signature]*

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
10/10/2002

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE/W02-15YKK

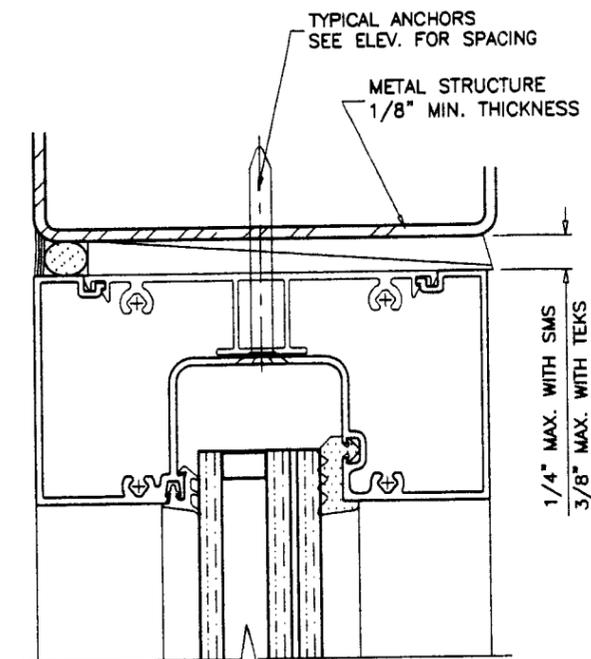
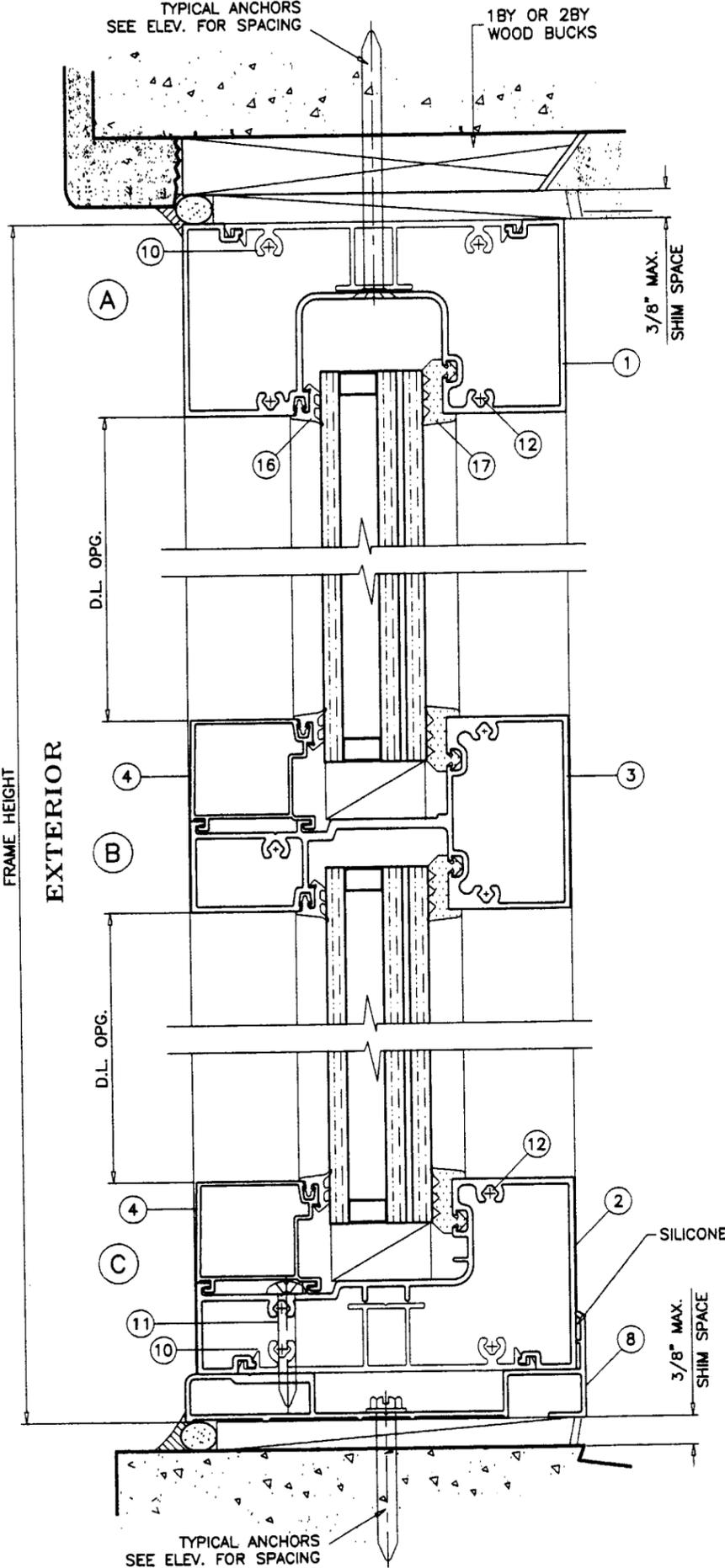
YKK AP AMERICA INC.
5630 GWALTNEY DRIVE
ATLANTA, GA. 30336
TEL.(404) 629-3800 FAX(404) 629-3810

YHS-50 F-I ALUM FLUSH GLAZE STOREFRONT SYS. (S.M.)

revisions:	no	date	by	description

date: 02-20-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by: *[Signature]*

drawing no. **W02-15**
sheet 2 of 5



ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E9-0651	AS REQD.	FRAME HEAD	6063-T5	-
2	E9-0652	AS REQD.	FRAME SILL	6063-T5	-
3	E9-0653	AS REQD.	FRAME HORIZONTAL	6063-T5	-
4	E9-0658	AS REQD.	GLAZING STOP	6063-T5	-
5	E9-0651	AS REQD.	FRAME JAMB	6063-T5	-
6	E9-0651	AS REQD.	STANDARD MULLION	6063-T5	-
6A	E9-0654	AS REQD.	HEAVY DUTY JAMB/MULLION	6063-T5	-
7	E9-0655	AS REQD.	POCKET FILLER	6063-T5	-
8	E9-0616	AS REQD.	SILL FLASHING	6063-T5	-
9	-	-	-	-	-
10	E1-1073	AS REQD.	ANCHOR PLATE	6063-T5	-
11	PC-1424	AS REQD.	#14 X 1-1/2" SMS	STEEL	FOR SILL
12	PC-1220	AS REQD.	#12 X 1-1/4" SMS	STEEL	FOR SCREW SPLINE
13	E2-0096	AS REQD.	SIDE BLOCK	EPDM	-
14	E2-0095	AS REQD.	SETTING BLOCK	EPDM	-
15	-	-	-	-	-
16	E2-0083	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	-
17	E2-0088	AS REQD.	INTERIOR GLAZING GASKET	EPDM SPONGE	-

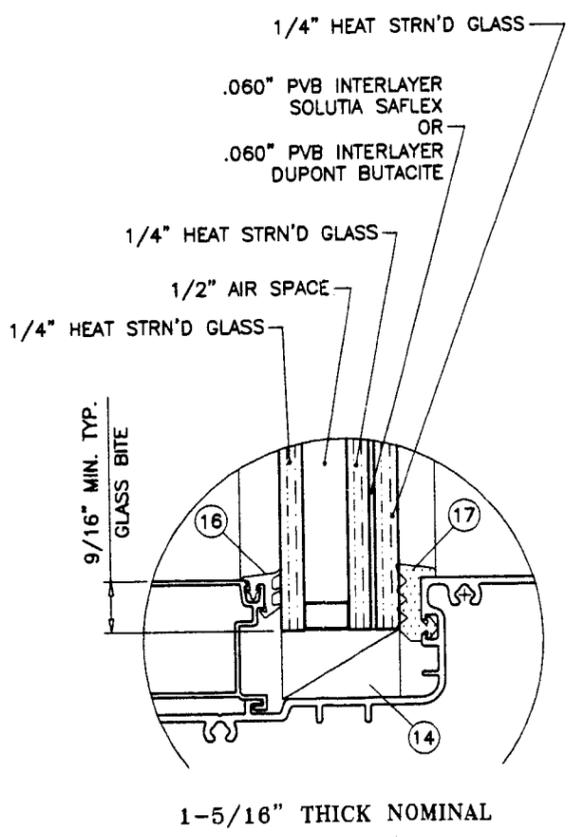
WOOD BUCKS AND METAL STRUCTURES NOT BY YKK INC. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

SEALANTS:

ALL FRAME CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH SILICONE SEALANT.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- A) **3/8" DIA TAPPERS**
INTO WOOD STRUCTURES WITH 1-3/4" MIN. PENETRATION INTO WOOD THRU WOOD BUCKS INTO MASONRY WITH 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- B) **3/8" DIA TAPPERS**
DIRECTLY INTO MASONRY WITH 1-1/4" MIN. EMBED INTO MASONRY
- C) **3/8" DIA LAG SCREWS OR #24 WOOD SCREWS**
INTO WOOD STRUCTURES WITH 2-3/8" MIN. PENETRATION INTO WOOD
- D) **#14 SMS OR SELF DRILLING (TEKS) SCREWS**
INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.



Approved as complying with the Florida Building Code
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 Miami Dade Product Control Division
 By *[Signature]*

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 STRUCTURES
 FLA. PE # 16557
 APR 10 2002

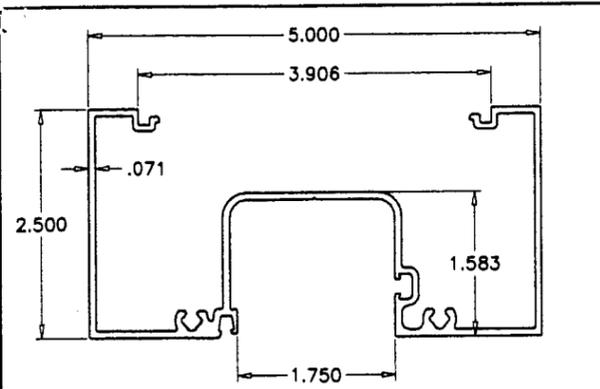
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 STORE W02-15YKK

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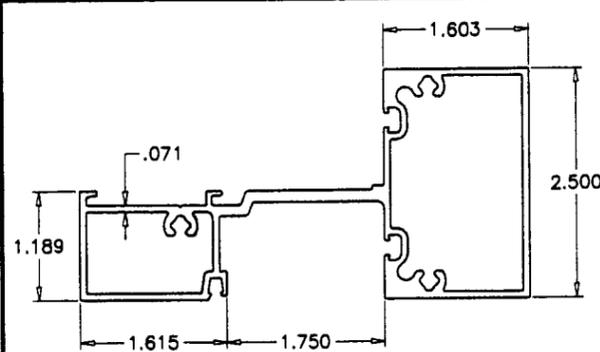
revisions:
 (no date) by description

date: 02-20-02
 scale: 1/2" = 1"
 dr. by: HAMID
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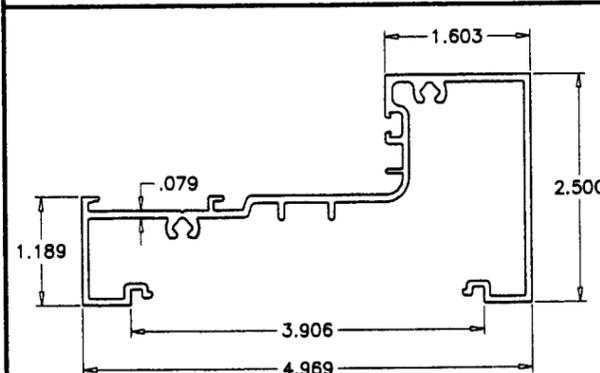
drawing no.
W02-15
 sheet 3 of 5



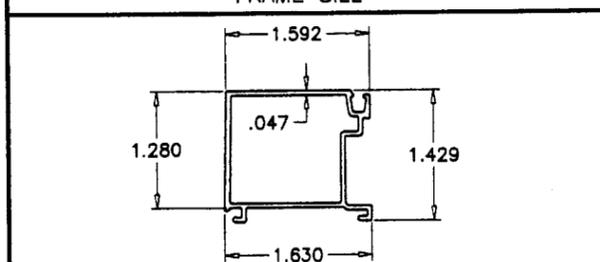
FRAME HEAD/JAMB/STD. MULLION



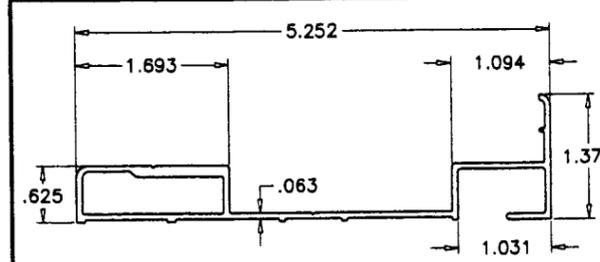
FRAME HORIZONTAL



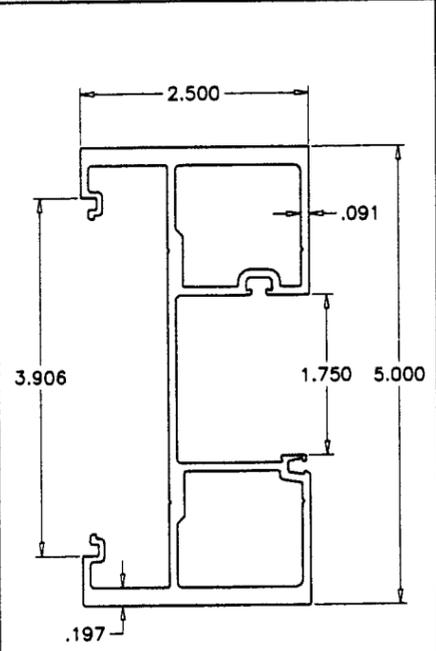
FRAME SILL



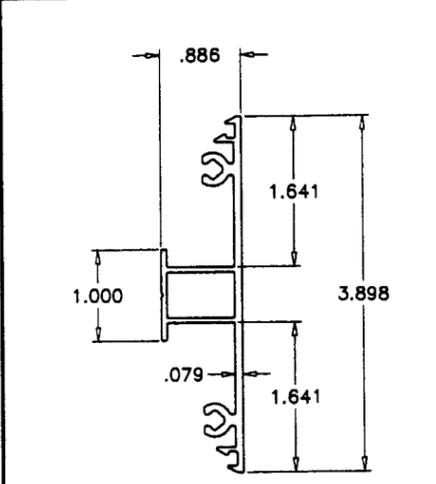
GLAZING STOP



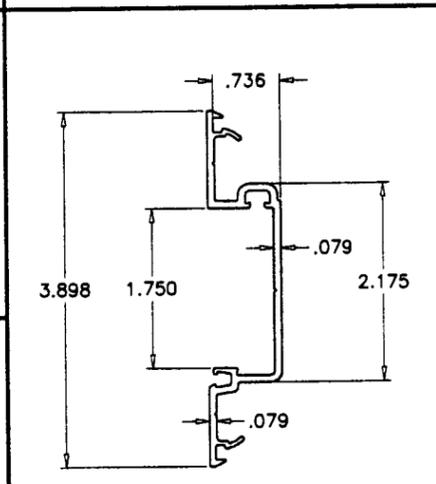
SILL FLASHING (OPTIONAL)



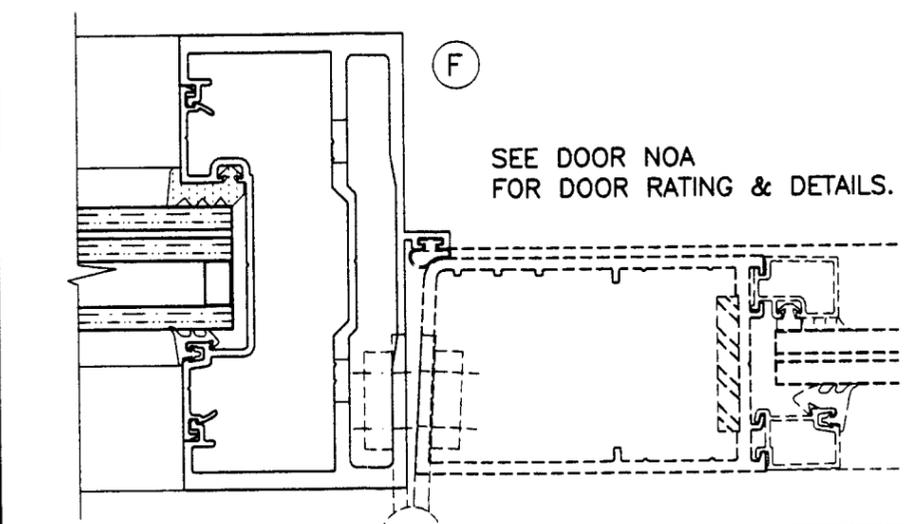
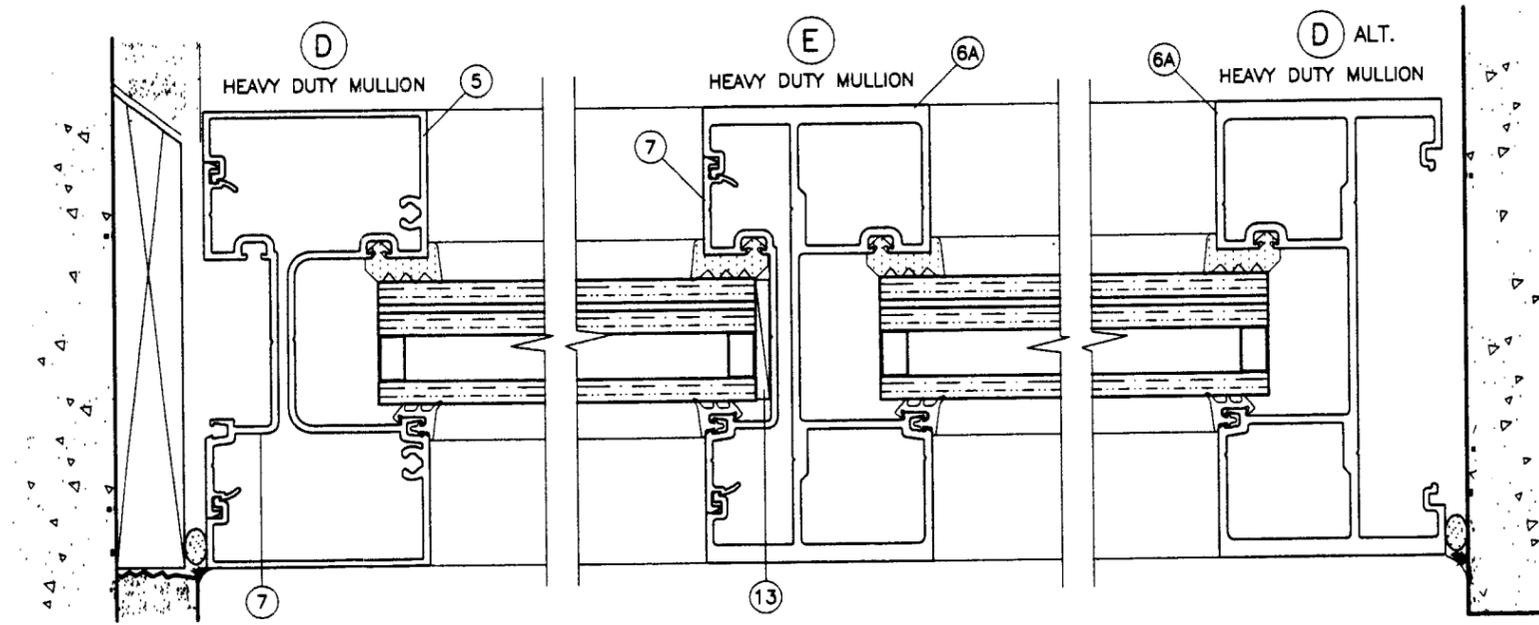
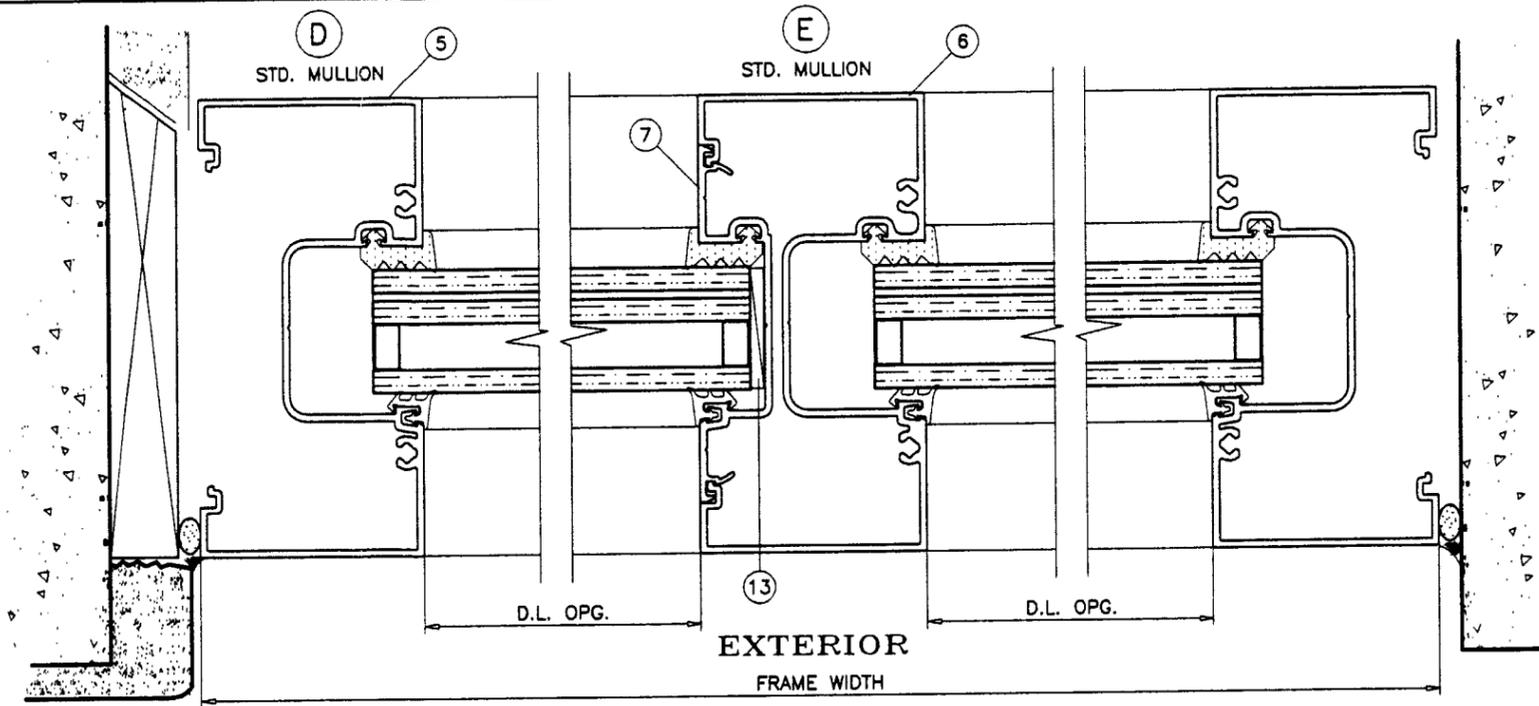
HEAVY DUTY MULLION



SNAP IN COVER



POCKET FILLER



Approved as complying with the Florida Building Code
 Date 09/05/02
 NOA# 02-0618.09
 Miami Dade Product Control Division
 By *[Signature]*

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 APR 10 2002

afc

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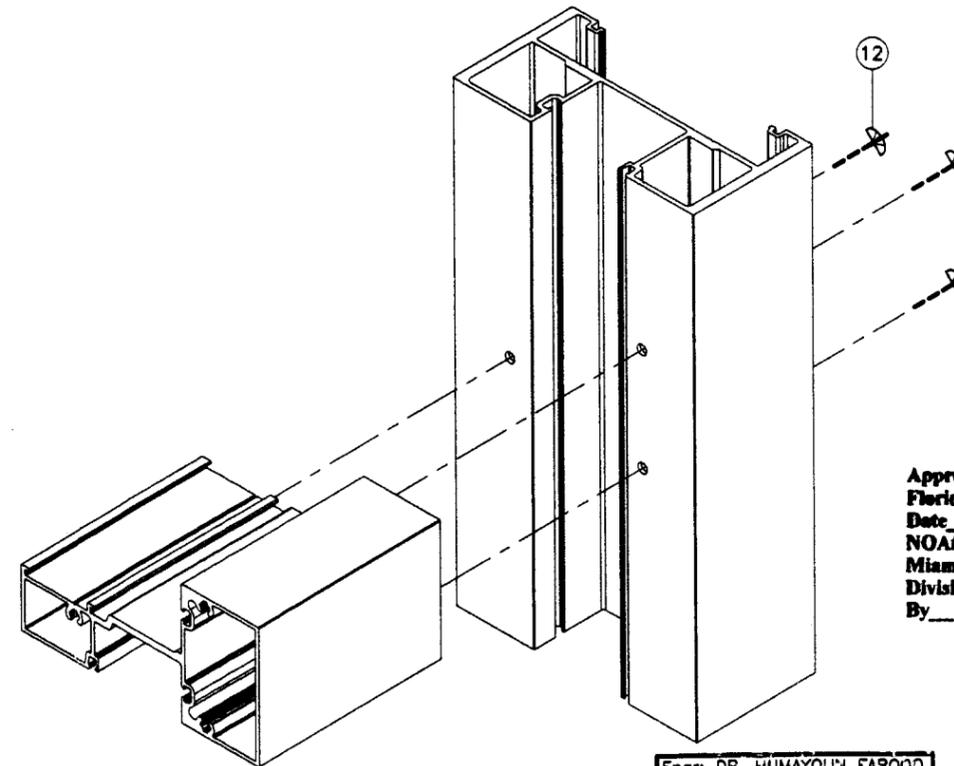
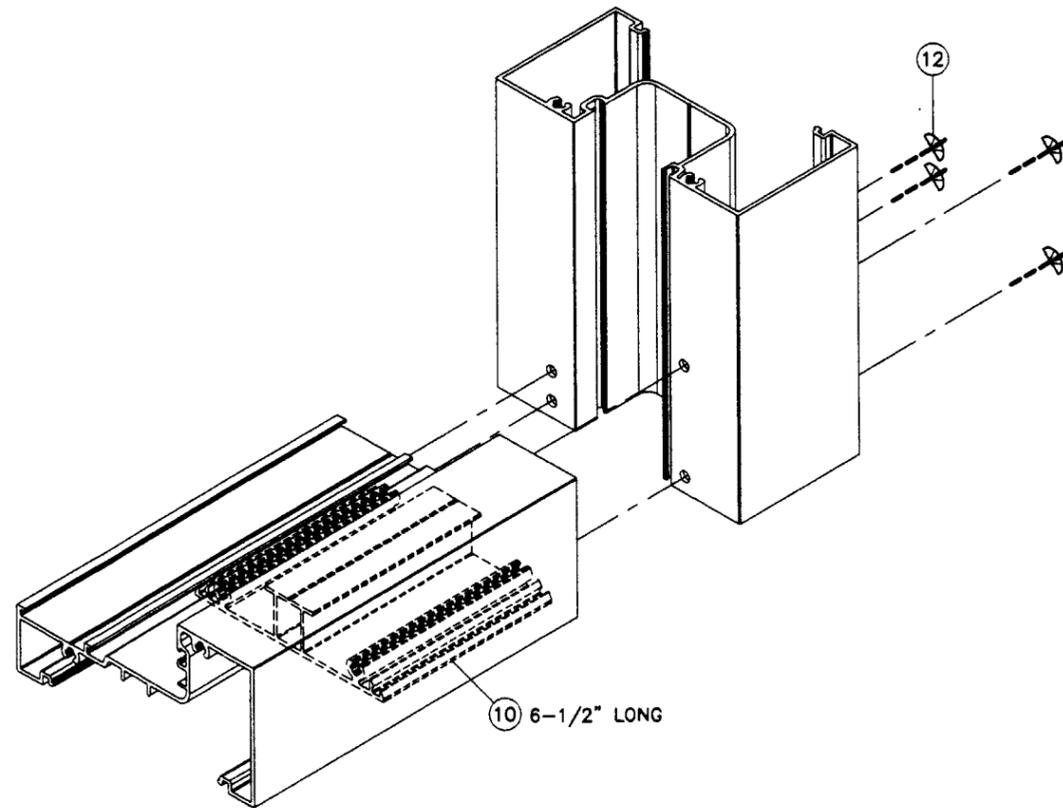
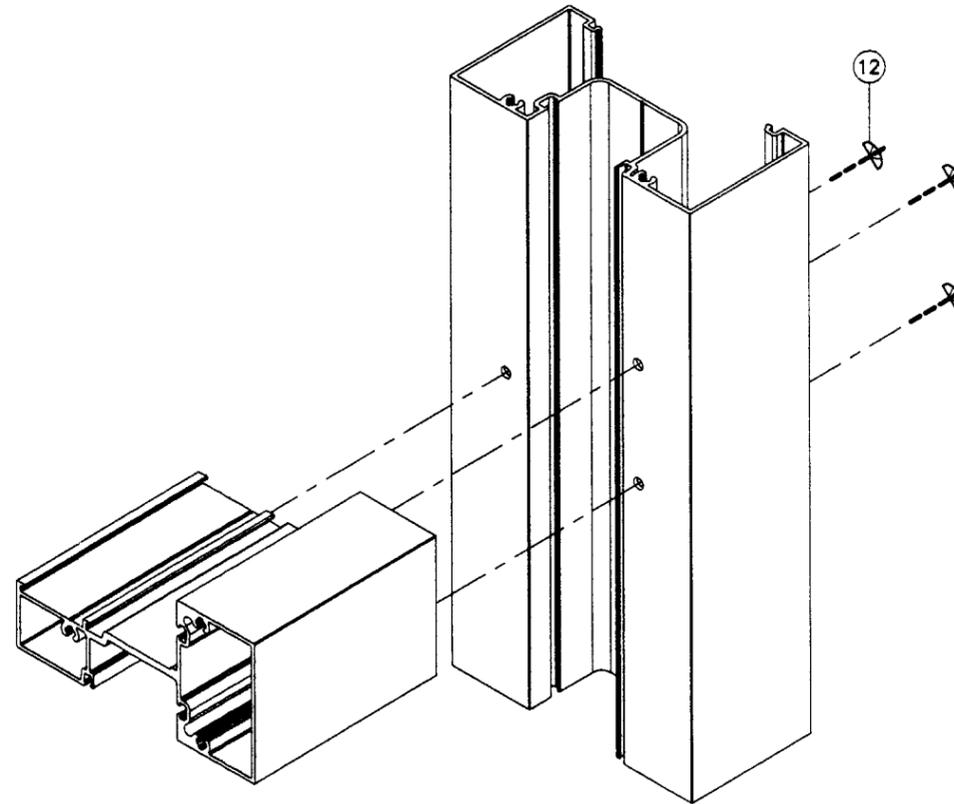
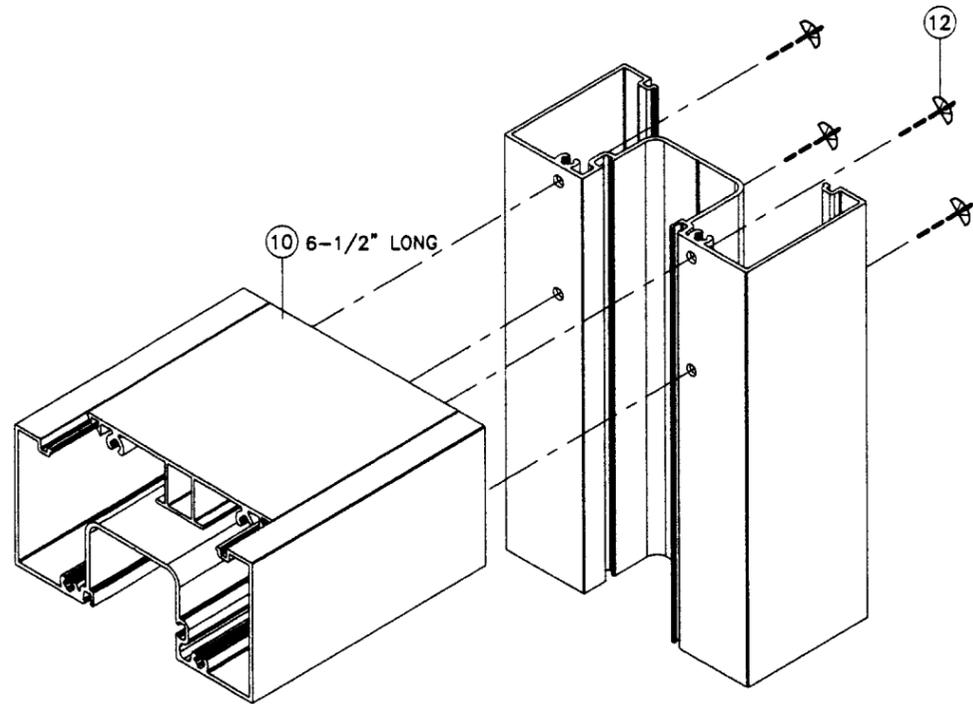
YKK AP AMERICA INC.
 5630 GWALTNEY DRIVE
 ATLANTA, GA. 30336
 TEL.(404) 629-3800 FAX(404) 629-3810

YKK America

revisions:	no	date	by	description

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

drawing no. **W02-15**
 sheet 4 of 5



FRAME CORNERS

Approved as complying with the
 Florida Building Code
 Date 09/05/02
 NOA# 02-0618.09
 Miami Dade Product Control
 Division
 By *[Signature]*

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557

APR 10 2002

afc

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

YKS-50 F-I ALUM FLUSH GLAZE STOREFRONT SYS. (S.M.)
YKK AP AMERICA INC.
 5630 GWALTNEY DRIVE
 ATLANTA, GA. 30336
 TEL(404) 629-3900 FAX(404) 629-3810



revisions:	
no	date by description

date: 02-20-02	scale:	dr. by: HAMID	chk. by:
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drawing no.
W02-15

sheet 5 of 5

STORE\W02-15YKK