



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Universal Aluminum Windows & Doors, Inc.
1675 West 31st Place
Hialeah FL 33012

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

Series " Monica Coastal" Aluminum Sliding Glass Door

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing.

If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Acceptance No.: 00-0208.02

Expires: 09/12/2002

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 04/21/2000

1 of 3



Universal Aluminum Windows & Doors, Inc.

ACCEPTANCE No.: 00-0208.02

APPROVED : APR 21 2000

EXPIRES : September 12, 2002

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** the Notice of Acceptance No. 96-0718.01 which was issued on September 12, 1996. It approves an aluminum sliding glass door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The Series **"Monica Coastal" - Aluminum Sliding Glass Door - Large and Small Missile Impact Resistant and Non-Impact** and its components shall be constructed in strict compliance with the following documents: Drawing No **W96-24**, titled **"S-Monica Coastal Alum. Sliding Gl. Door"** Sheets 1 through 6 of 6 dated 07/16/96, w/revision B dated 11/22/98, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications only, as shown in approved drawings.
3.2 Head receptor is not allowed to be used in this installation.

4. INSTALLATION

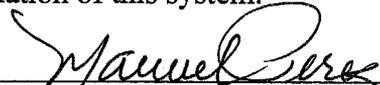
4.1 The aluminum sliding glass door and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.

5. LABELING

5.1 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".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

Universal Aluminum Windows & Doors, Inc.

ACCEPTANCE No.: 00-0208.02

APR 21 2000

APPROVED : _____

EXPIRES : September 12, 2002

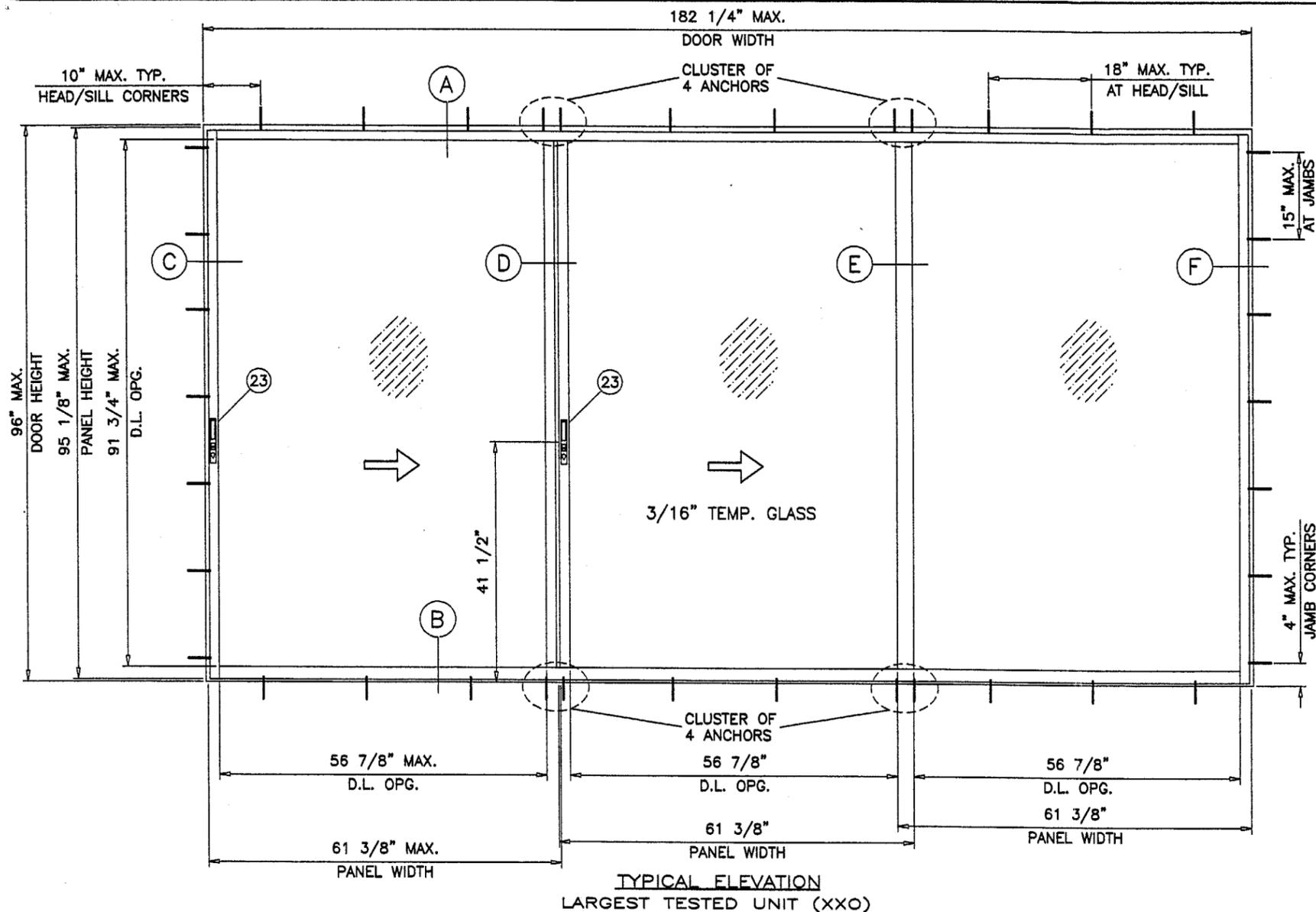
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.



Manuel Perez, P.E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE



TYPICAL ELEVATION
LARGEST TESTED UNIT (XXO)

**UNIVERSAL ALUMINUM WINDOWS
ALUMINUM SLIDING GLASS DOORS
SERIES MONICA-COASTAL**

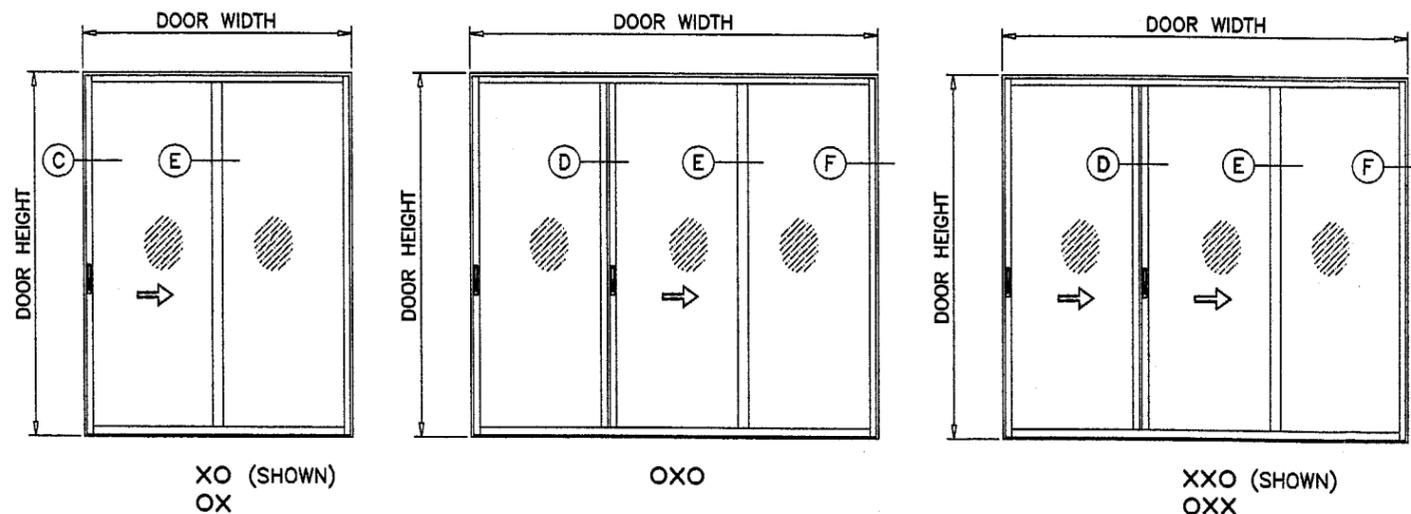
- DOORS APPROVED AS
- A- NON IMPACT RESISTANT
DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQD. FOR ALL INSTALLATIONS.
 - B- SMALL MISSILE IMPACT RESISTANT
SHUTTERS NOT REQUIRED FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.
 - C- LARGE MISSILE IMPACT RESISTANT (CUT DOWN SIZES)
SHUTTERS NOT REQUIRED

FOR APPROVED SIZES, LOADS AND REINFORCING LEVELS SEE

NON IMPACT RESISTANT — SHEET 2
SMALL MISSILE IMPACT RESISTANT — SHEET 2
LARGE MISSILE IMPACT RESISTANT — SHEET 5

NOTES

1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7-88 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 CONFIGURATIONS
NON-IMPACT RESISTANT
SMALL MISSILE IMPACT RESISTANT
LARGE MISSILE IMPACT RESISTANT

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

NOV 22 1999

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE April 21, 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0208-02

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W96-24UW-NEW

S-MONICA COASTAL ALUM. SLIDING GL. DOOR
UNIVERSAL ALUMINUM WINDOWS
1675 W. 31ST PLACE
HIALEAH, FL. 33012
TEL. (305) 825-7900 FAX (305) 825-5805

no	date	by	description
A	8.8.96	H	LOAD TABLE COMPLETE REV.
B	11.22.99	H	COMPLETE REVISION

date: 07-16-96
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W96-24

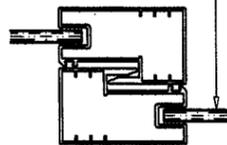
sheet 1 of 6

DESIGN LOAD CAPACITY - PSF
NON-IMPACT RESISTANT DOORS

DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQD.
AT ALL LOCATIONS

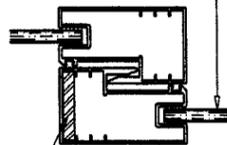
DOOR DIMS.		REINFORCING 'A'		REINFORCING 'B'		REINFORCING 'C'			
PANEL WIDTH	DOOR HEIGHT	3/16" TEMP. GLASS		3/16" TEMP. GLASS		3/16" TEMP. GLASS		1/4" TEMP. GLASS	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
2/0 2/6 3/0 3/6 4/0 4/6 5/0	6/8	99.3	99.3	100.0	134.8	100.0	250.8	100.0	250.8
		83.1	83.1	100.0	112.8	100.0	200.3	100.0	209.9
		72.6	72.6	98.6	98.6	100.0	164.4	100.0	183.4
		65.4	65.4	88.8	88.8	100.0	139.3	100.0	165.2
		60.3	60.3	81.9	81.9	100.0	120.9	100.0	152.3
		56.6	56.6	76.9	76.9	100.0	106.8	100.0	143.0
		54.0	54.0	73.3	73.3	95.6	95.6	100.0	136.4
2/0 2/6 3/0 3/6 4/0 4/6 5/0	8/0	80.4	80.4	100.0	109.1	100.0	203.0	100.0	203.0
		66.7	66.7	90.5	90.5	100.0	165.4	100.0	168.4
		57.7	57.7	78.4	78.4	100.0	135.7	100.0	145.8
		51.5	51.5	69.9	69.9	100.0	115.0	100.0	129.9
		46.9	46.9	63.7	63.7	95.4	99.8	95.4	118.4
		43.5	43.5	59.1	59.1	88.2	88.2	88.2	109.8
		40.9	40.9	55.6	55.6	79.0	79.0	83.2	103.4

3/16" TEMP. GLASS



NO REINFORCING

3/16" TEMP. GLASS

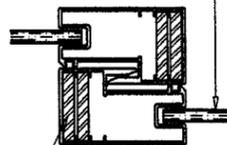


(1) 1/4"x1-1/2" STEEL BARS IN FIX. INTERLOCK

EXTRUDED ALUM STIFFENER

REINFORCING 'B'

3/16" OR 1/4" TEMP. GLASS



(2) 1/4"x1-1/2" STEEL BARS IN EACH INTERLOCK

EXTRUDED ALUM STIFFENER

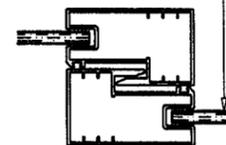
REINFORCING 'C'

DESIGN LOAD CAPACITY - PSF
SMALL MISSILE IMPACT RESISTANT DOORS

DADE COUNTY APPD. IMPACT RESISTANT SHUTTERS REQD.
FOR INSTALLATIONS UP TO 30 FT. OF GRADE

DOOR DIMS.		REINFORCING 'A'	
PANEL WIDTH	DOOR HEIGHT	1/4" TEMP. GLASS	
		EXT. (+)	INT. (-)
2/0	6/8	69.0	69.0
2/6		69.0	69.0
3/0		69.0	69.0

1/4" TEMP. GLASS



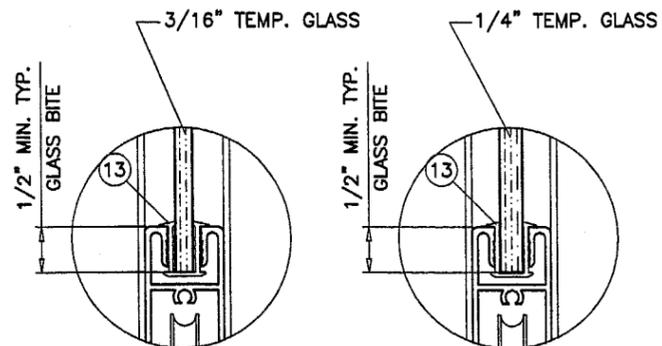
NO REINFORCING

REFER TO SHEETS 3 & 4 FOR
OTHER DOOR DETAILS

REFER TO SHEET 5 FOR
LARGE MISSILE IMPACT PRODUCTS

LIMIT MAX. EXT. (+) DESIGN LOADS
DUE TO WATER INFILTRATION TEST
AS FOLLOWS

- 2" SILL HEIGHT = 55.3 PSF
- 3" SILL HEIGHT = 88.0 PSF
- 4" SILL HEIGHT = 100.0 PSF



NON-IMPACT GLASS SMALL MISSILE IMPACT GLASS
GLAZING OPTIONS

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 18557

NOV 22 1999

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE April 21, 2000
BY Manuel
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0208.02

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W96-24UW-NEW

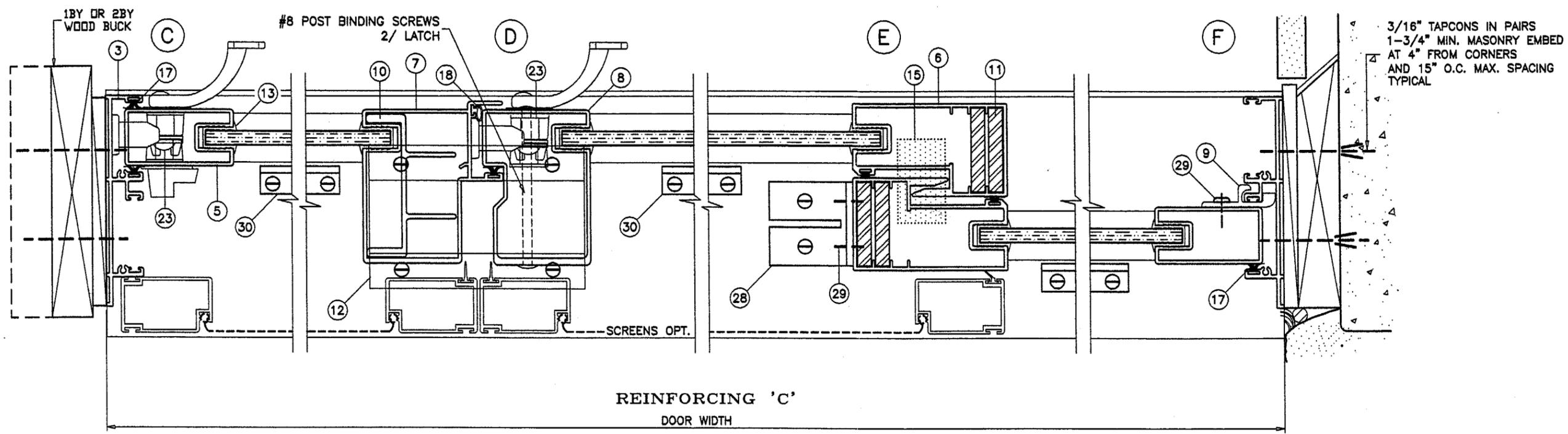
S-MONICA COASTAL ALUM. SLIDING GL. DOOR
UNIVERSAL ALUMINUM WINDOWS
1675 W. 31ST PLACE
HIALEAH, FL. 33012
TEL. (305) 825-7900 FAX (305) 825-5805

revisions:	no	date	by	description

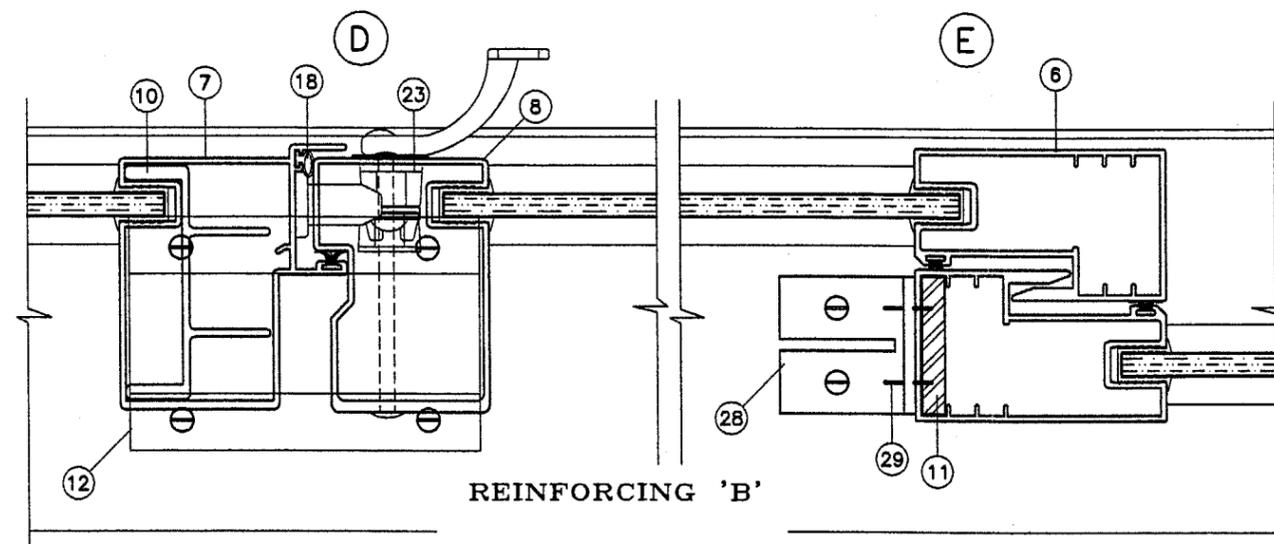
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dr. by: HAMID
chk. by:

drawing no.
W96-24

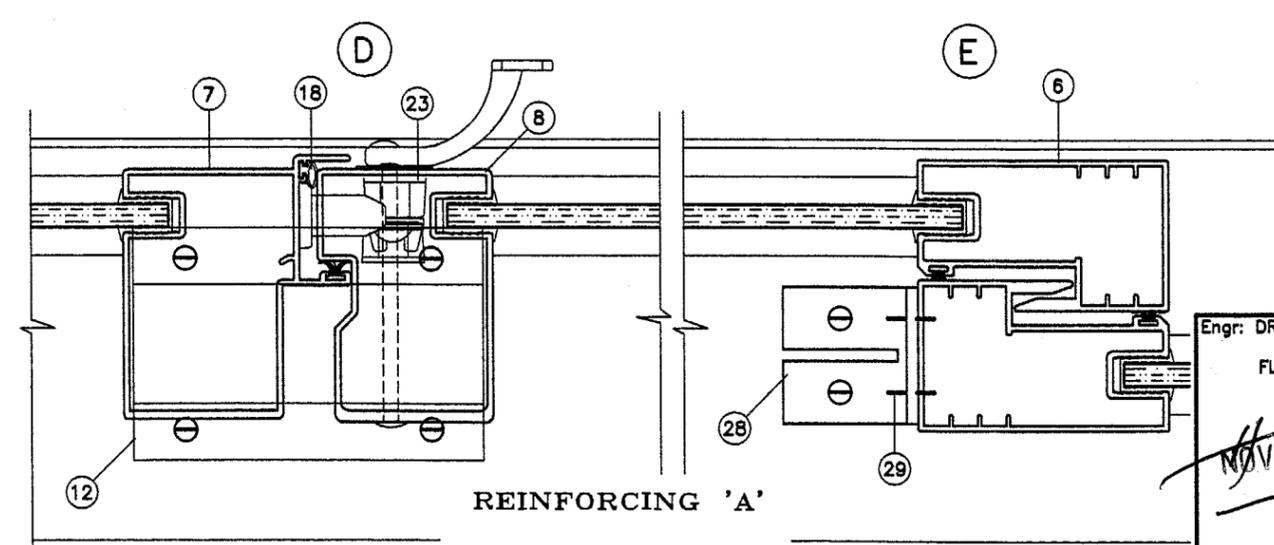
sheet 2 of 6



REINFORCING 'C'
DOOR WIDTH
EXTERIOR



REINFORCING 'B'



REINFORCING 'A'

NON-IMPACT RESISTANT
SMALL MISSILE IMPACT RESISTANT

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

NOV 22 1999

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *April 21, 2000*
BY *Mauro*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0208.02*

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
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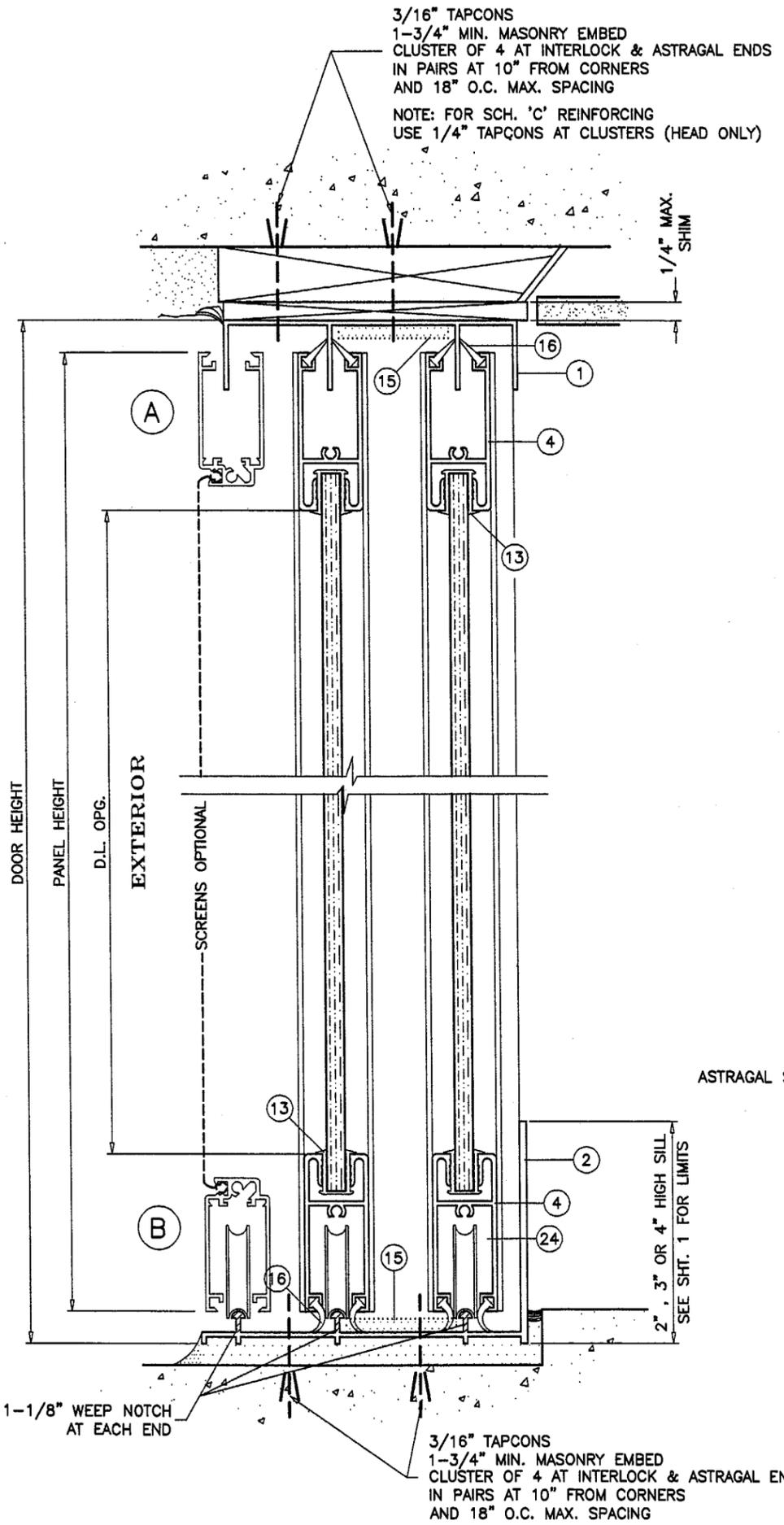
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revisions:	no	date	by	description

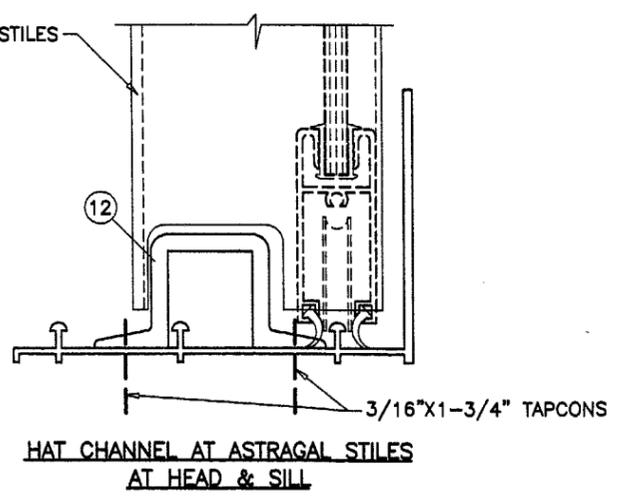
date: 07-16-96
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W96-24

sheet 3 of 6



MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	USD-101	1	FRAME HEAD	6063-T6	-
2	USD-102	1	FRAME SILL	6063-T6	-
3	USD-103	2	FRAME JAMB	6063-T6	-
4	USD-104	2/ PANEL	TOP & BOTTOM RAIL (3/16" OR 1/4" GLASS)	6063-T6	-
4A	USD-124	2/ PANEL	TOP & BOTTOM RAIL (9/16" LAM. GLASS)	6063-T6	-
5	USD-105	AS REQD.	LOCK STILE (3/16" OR 1/4" GLASS)	6063-T6	-
5A	USD-126	AS REQD.	LOCK STILE (9/16" LAM. GLASS)	6063-T6	-
6	6592	AS REQD.	INTERLOCK (3/16" OR 1/4" GLASS)	6063-T6	-
6A	UA-1055	AS REQD.	INTERLOCK (9/16" LAM. GLASS)	6063-T6	-
7	USD-108	AS REQD.	FEMALE ASTRAGAL (3/16" OR 1/4" GLASS)	6063-T6	-
7A	UA-1057	AS REQD.	FEMALE ASTRAGAL (9/16" LAM. GLASS)	6063-T6	-
8	USD-107	AS REQD.	MALE ASTRAGAL (3/16" OR 1/4" GLASS)	6063-T6	-
8A	UA-1062	AS REQD.	MALE ASTRAGAL (9/16" LAM. GLASS)	6063-T6	-
9	UA-1064	2/ FIX. PANEL	FIXED PANEL JAMB CLIP	6063-T6	20" FROM TOP & BOTTOM
10	USD-111	AS REQD.	STIFFENER	6063-T6	-
11	-	AS REQD.	1/4" X 1-1/2" BAR	STEEL	FULL LENGTH OF STILE
12	UAWD-547	AS REQD.	HAT CHANNEL	6063-T5	AT ASTRAGAL TOP & BOTTOM
13	USD-114	AS REQD.	GLAZING VINL (3/16" OR 1/4" GLASS)	-	-
14	-	AS REQD.	GLAZING VINYL (9/16" LAM. GLASS)	-	-
15	-	-	7/8" X 1-1/2" ADHESIVE BACK PILE PAD	-	AT HEAD & SILL
16	SK-1003-518	AS REQD.	TOP & BOTTOM RAIL W'STRIPPING	-	SCHLEGEL OR EQUIV.
17	PB-8223-187	AS REQD.	PILE W'STRIPPING @ STILES & JAMBS	-	SCHLEGEL OR EQUIV.
18	USD-118	AS REQD.	BULB W'STRIPPING @ FEMALE ASTRAGAL	VINYL	-
19	-	-	-	-	-
20	#8 X 1-1/2"	4/ PANEL	PANEL ASSEMBLY SCREWS	-	-
21	#6 X 1"	8	FRAME ASSEMBLY SCREWS	-	-
22	-	-	-	-	-
23	-	1/ LOCK PANEL	DOOR LOCK ASSEMBLY	-	ALLEN STEVENS OR EQUIV.
24	-	2/ PANEL	ROLLER ASSEMBLY	-	ALLEN STEVENS OR EQUIV.
25	-	-	-	-	-
26	USD-116	2/ PANEL	PANEL TOP GUIDE	-	-
27	#8 X 1/2"	1/ CLIP	JAMB CLIP SCREW	-	-
28	-	2	FIX. INTERLOCK CLIP ANGLE	ALUMINUM	2-1/2"x1-1/2"x1/8"x1-1/2" LONG
29	#10 X 1-1/2"	2/ CLIP	CLIP ANGLE SCREWS	-	-
30	-	1/ PANEL	CLIP ANGLE	ALUMINUM	1/2" X 1" X 1/8" X 2" LONG



WOOD BUCKS NOT BY UNIVERSAL WINDOWS, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

NON-IMPACT RESISTANT
SMALL MISSILE IMPACT RESISTANT

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

[Signature]

NOV 22 1999

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *April 21, 2000*
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-020802*

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN

1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

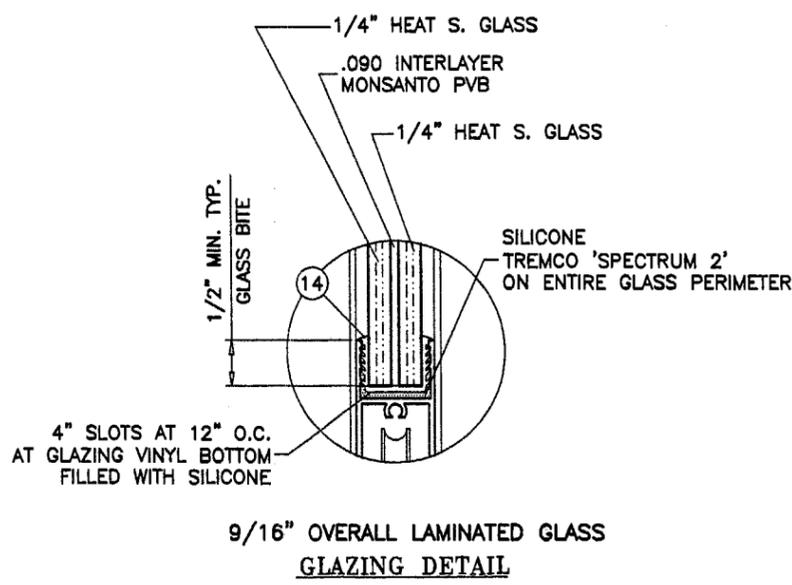
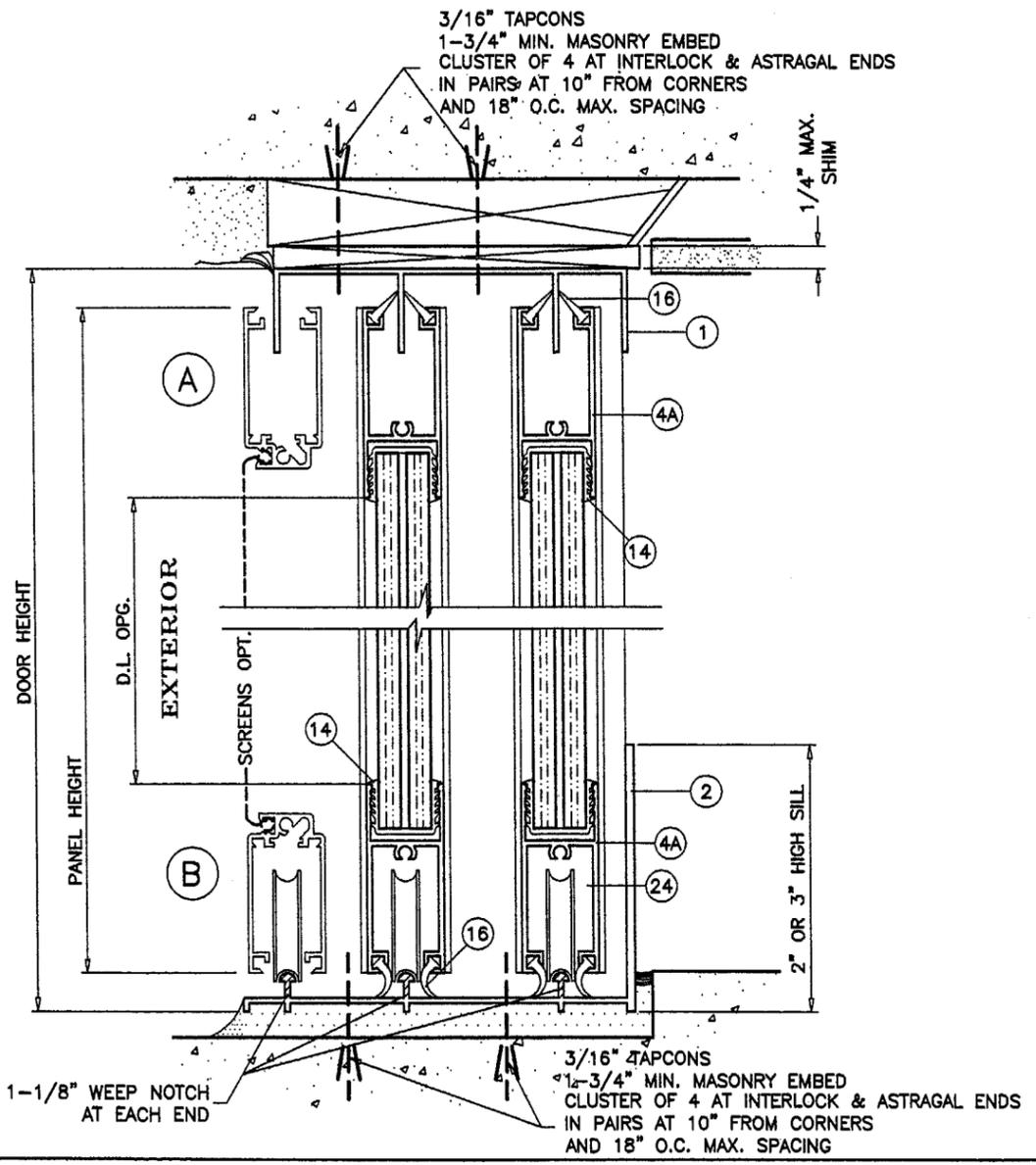
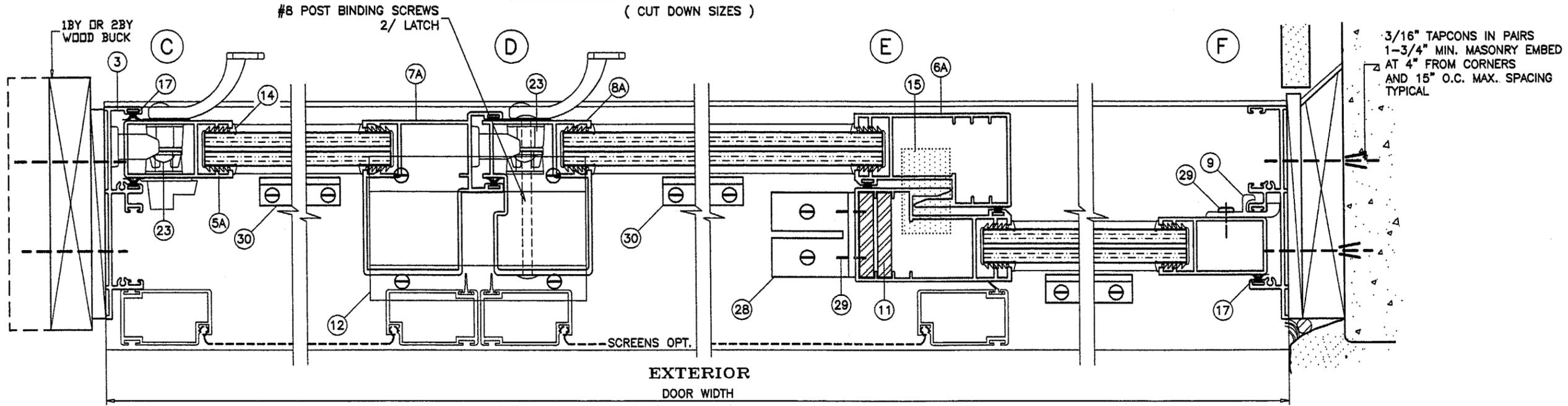
COMP-ANL\W96-24UW-NEW

S-MONICA COASTAL ALUM. SLIDING GL. DOOR

UNIVERSAL ALUMINUM WINDOWS
1675 W. 31ST PLACE
HIALEAH, FL. 33012
TEL. (305) 825-7900 FAX (305) 825-5805

revisions:	no	date	by	description
date:	07-16-96	scale:	1/2" = 1"	
dr. by:	HAMID	chk. by:		
drawing no.	W96-24			
sheet	4 of 6			

LARGE MISSILE IMPACT RESISTANT DOOR
(CUT DOWN SIZES)



LARGE MISSILE IMPACT RESISTANT DOORS			
SHUTTERS NOT REQUIRED			
DOOR DIMS.		DESIGN LOAD - PSF	
PANEL WIDTH	DOOR HEIGHT	9/16" LAM. GLASS	
		EXT. (+)	INT. (-)
2/0	5/0	75.3	75.3
2/6		75.3	75.3
3/0		75.3	75.3

LIMIT MAX. EXT. (+) DESIGN LOADS
DUE TO WATER INFILTRATION TEST
AS FOLLOWS

- 2" SILL HEIGHT = 55.3 PSF
- 3" SILL HEIGHT = 75.3 PSF

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

NOV 22 1999

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: April 21, 2000
BY: *Manuel...*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0208-02

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ENGINEERS, PLANNERS & PRODUCT DESIGN

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COMP-ANL/W96-24UW-NEW

S-MONICA COASTAL ALUM. SLIDING GL. DOOR

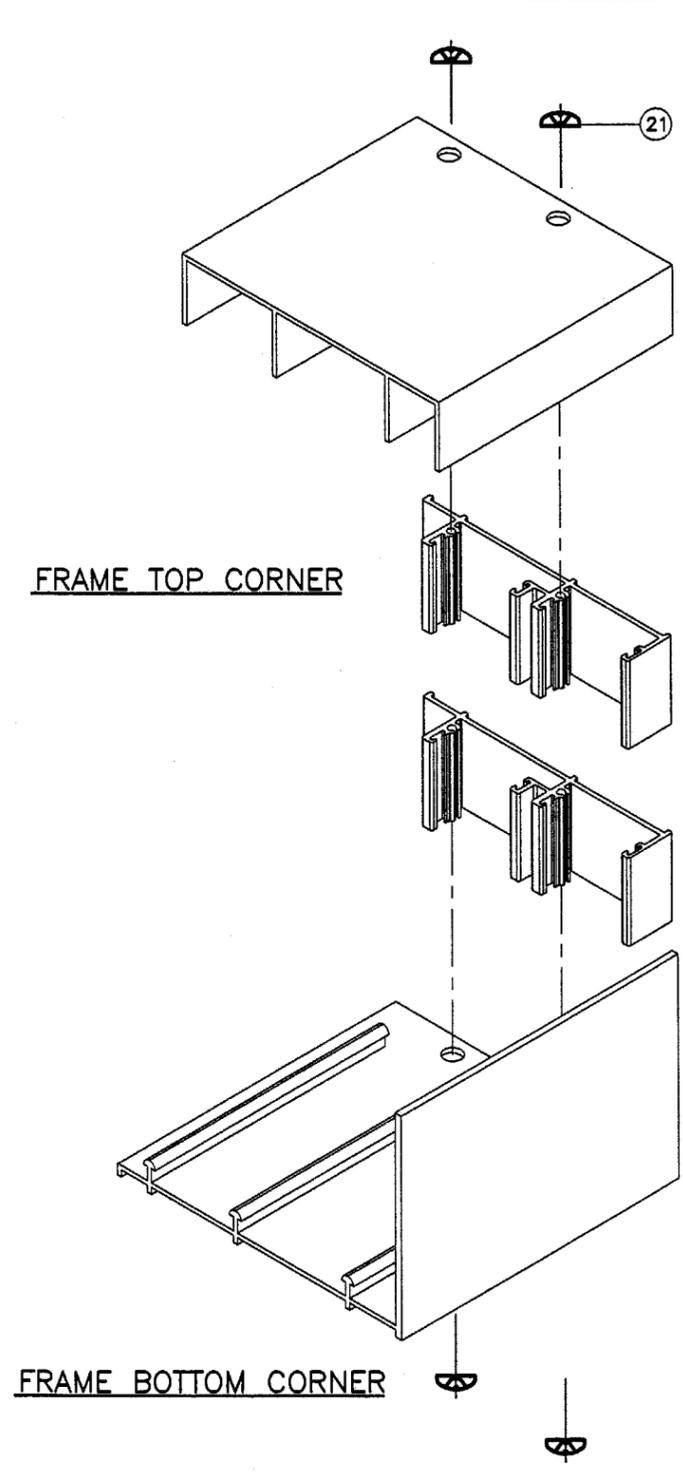
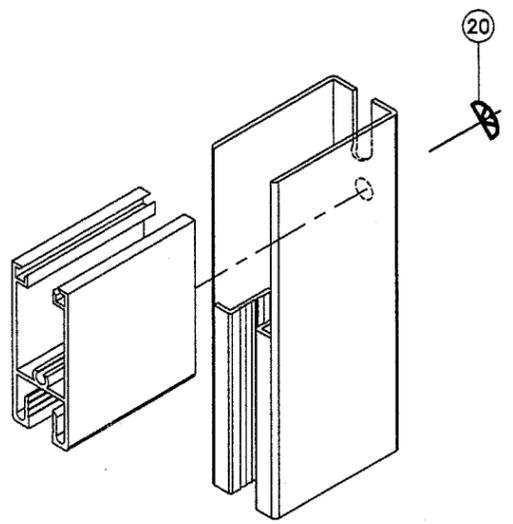
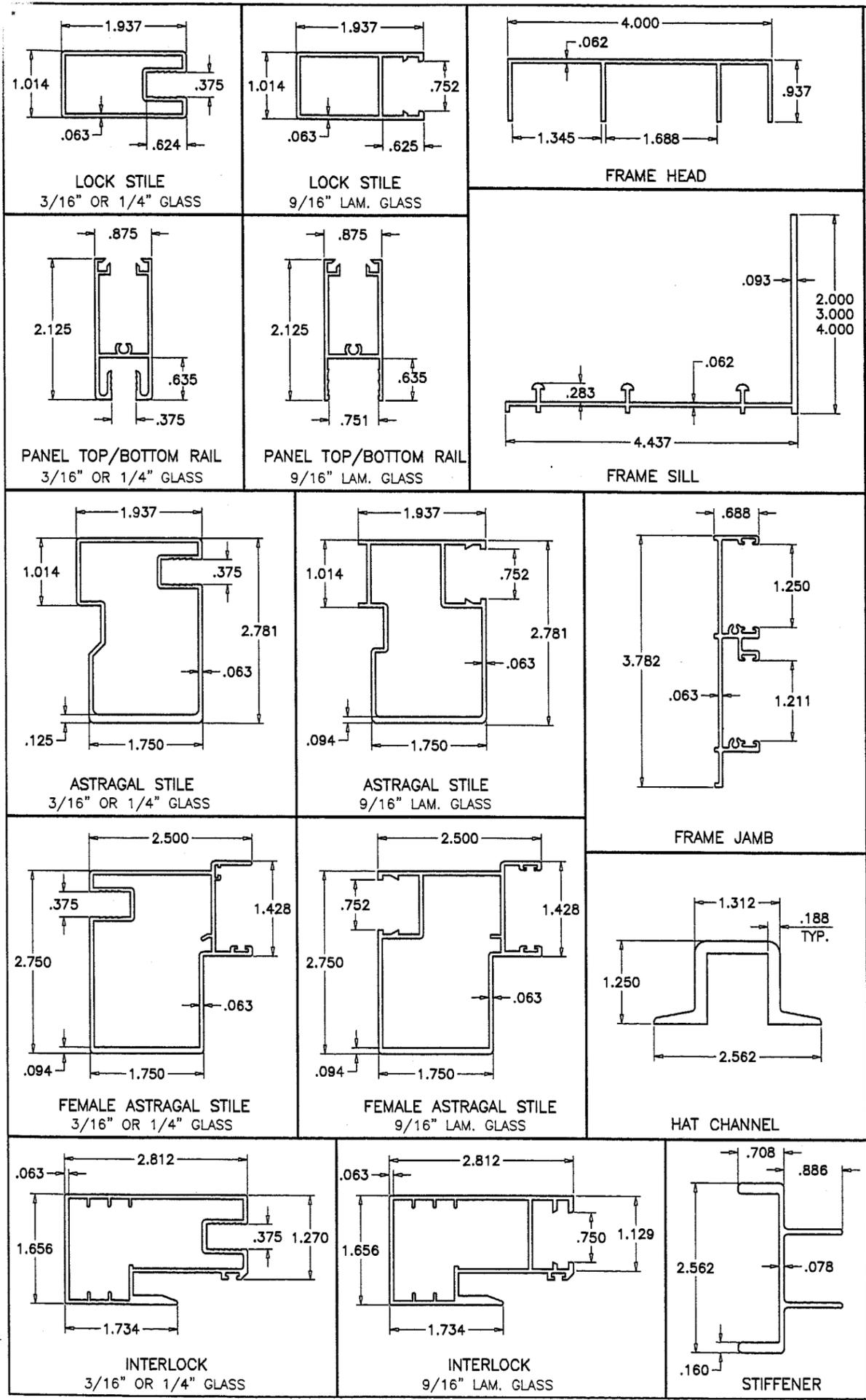
UNIVERSAL ALUMINUM WINDOWS
1675 W. 31ST PLACE
HIALEAH, FL. 33012
TEL (305) 825-7900 FAX (305) 825-5805

revisions:	no	date	by	description

date: 07-16-96
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W96-24

sheet 5 of 6



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

NOV 22 1999

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *April 21, 2000*
BY *Manuel Meg*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0208.02*

AL-FAROOQ CORPORATION
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1235 SW 87 AVE
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S-MONICA COASTAL ALUM. SLIDING GL. DOOR
UNIVERSAL ALUMINUM WINDOWS
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sheet 6 of 6