



**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  
www.buildingcodeonline.com**

**NOTICE OF ACCEPTANCE (NOA)**

**E.S. Windows, LLC  
10653 NE Quaybridge Ct.  
Miami, FL 33138**

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

**DESCRIPTION:** Series "6100" Aluminum Sliding Glass Doors w/ reinforcements-SMI

**APPROVAL DOCUMENT:** Drawing No. **W07-26**, titled "series -6100 Alum Sliding Glass Door(SMI)", sheets 1 through 9 of 9, dated April 09, 2007 prepared by Al-Farooq Corporation, signed and sealed by Dr. 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.

**MISSILE IMPACT RATING: Small Missile Impact Resistant**

**Limitation:** 1. OC min spacing of Elco Tapcon anchor clusters at head =2.312" & clusters at sill =3.0"

**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 page as well as approval document mentioned above.

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



5/21/17

**NOA No 07-0411.12  
Expiration Date: June 14, 2012  
Approval Date: June 14, 2007  
Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W07-26**, titled "series -6100 Alum Sliding Glass Door(SMI)", sheets 1 through 9 of 9, dated April 09, 2007 prepared by Al-Farooq Corporation, signed and sealed by Dr. 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 aluminum SGD, prepared by Fenestration Testing Laboratories, Test Report No. **FTL- 5076(FTL06165)**, dated 02/22/07, **FTL- 5157(FTL061116)**, dated 02/14/07 and **FTL- 5158(FTL061115)** dated 02/13/07, all signed and sealed by Michael Wenzel, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, prepared by Al Farooq Corporation, dated 04/09/07 signed and sealed by Dr. Humayoun Farooq, P.E.
2. Glazing complies w/ ASTME-1300-02

**D. QUALITY ASSURANCE BY:**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours for "Butacite PVB Interlayer", expiring on 12-11-2010

**F. STATEMENTS**

1. Statement letter of conformance and "No financial interest", dated 04/03/07, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Laboratory compliance statements, part of respective test reports.

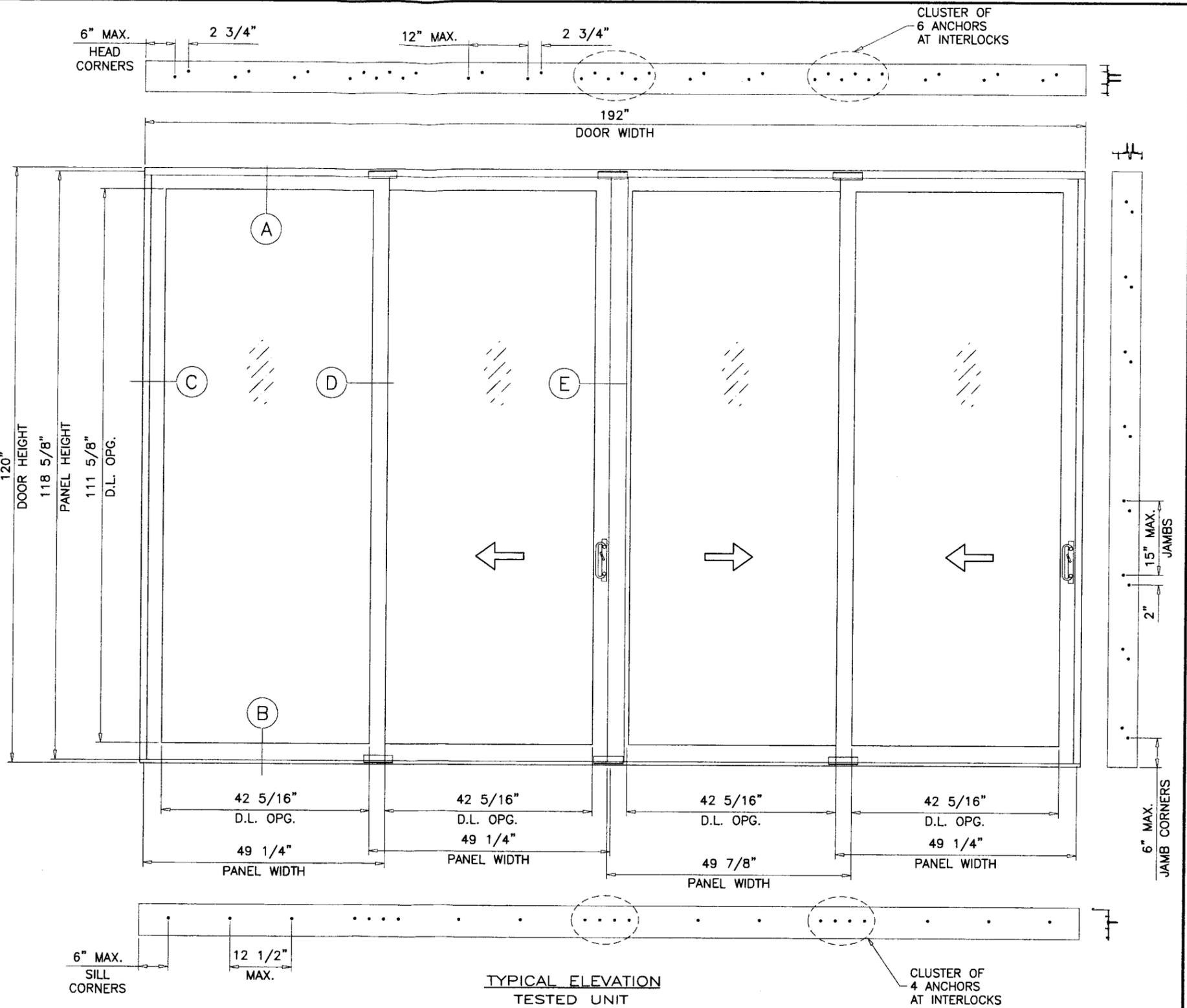
**G. OTHER**

1. None

*Ishaq I. Chanda*

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Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 07-0411.12  
Expiration Date: June 14, 2012  
Approval Date: June 14, 2007



DOORS ARE RATED FOR SMALL MISSILE IMPACT. MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS ARE REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

**SERIES-6100 ALUMINUM SLIDING GLASS DOOR**

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHART SHOWN ON SHEET 2.

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.

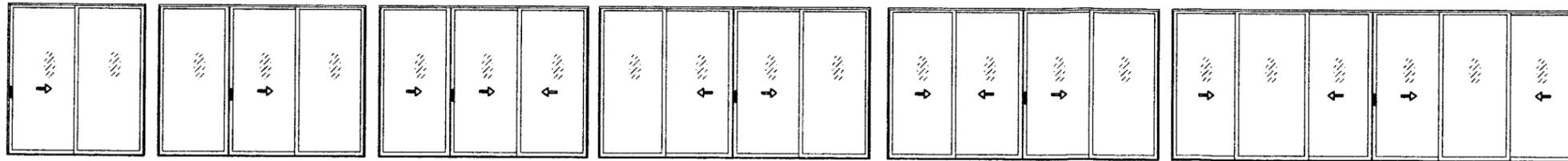
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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.

TYPICAL ELEVATION TESTED UNIT



XO (SHOWN) OX OX  
 OXO (SHOWN) XXX  
 XXX (SHOWN)  
 OXXO  
 XXXO (SHOWN) XXXX  
 XOXXOX (SHOWN)

APPROVED CONFIGURATIONS

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

APR 09 2007

Approved as complying with  
 Florida Building Code  
 Date JUNE 14, 2007  
 NOA# 07-0411-12  
 Miami Dade Product Control  
 Division  
 By Ismael Chande

**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W07-26ES

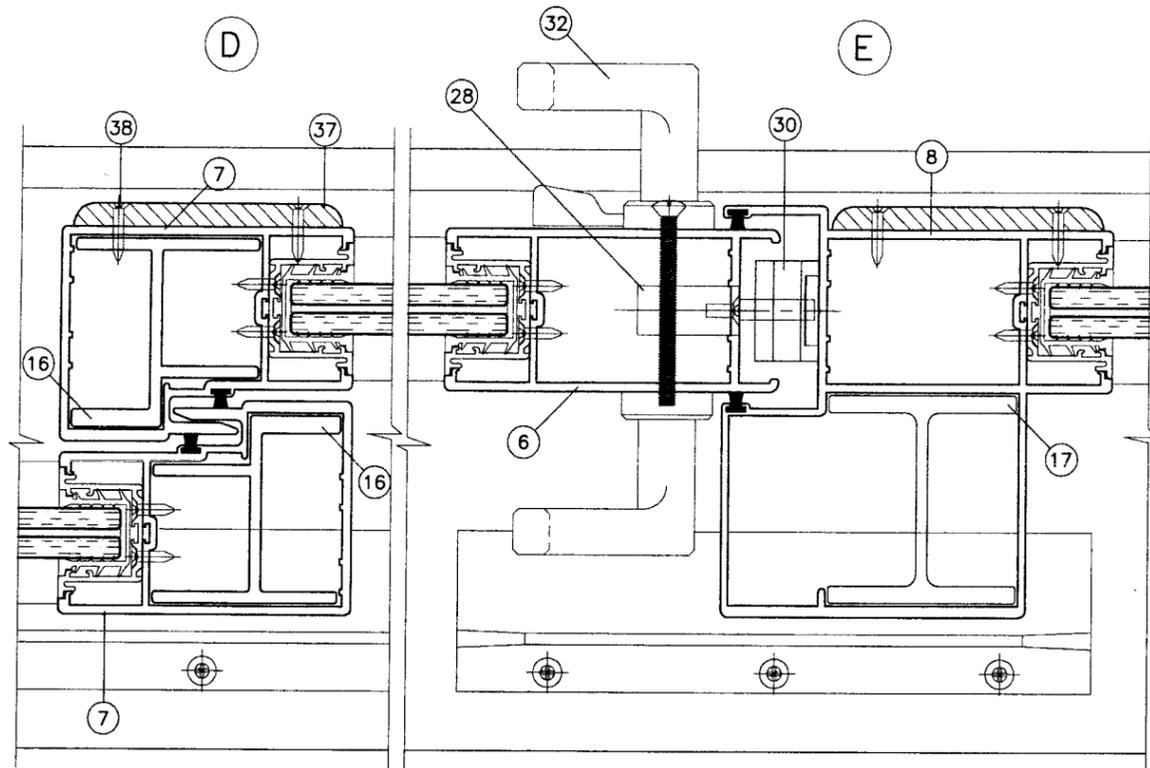
SERIES-6100 ALUM SLIDING GLASS DOOR (S.M.I.)  
**E.S. WINDOWS**  
 5220 N.W. 72 AVE. BAY #4  
 MIAMI, FL. 33166  
 TEL. (305) 640-9857 FAX. (305) 593-2074

no	date	description

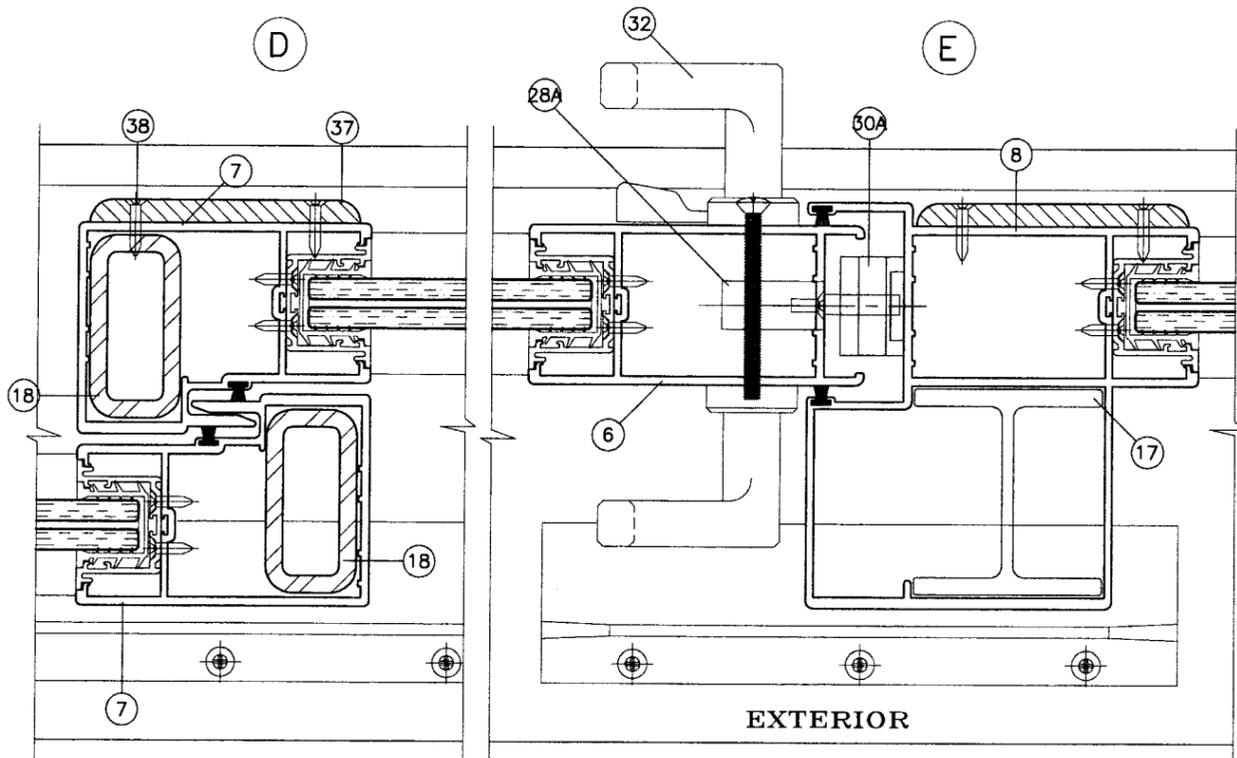
revisions:

date: 04-04-07  
 scale: 1/2"=1'-0"  
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 chk. by:

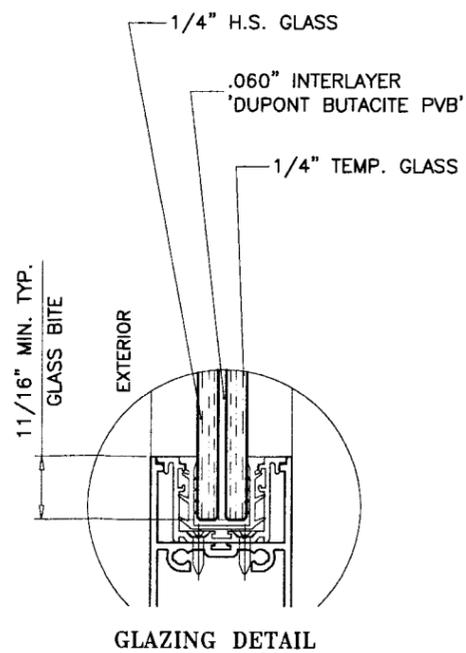
drawing no.  
**W07-26**  
 sheet 1 of 9



ALUM REINFORCING



STEEL REINFORCING



NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-02 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

DESIGN LOAD CAPACITY - PSF						
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	ALUM REINFOR'G		STEEL REINFOR'G		
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	
36	80	85.0	140.0	85.0	110.0	
40		85.0	140.0	85.0	110.0	
44		85.0	140.0	85.0	110.0	
48		85.0	140.0	85.0	110.0	
50		85.0	140.0	85.0	110.0	
53		85.0	140.0	85.0	110.0	
56		85.0	140.0	85.0	110.0	
60	85.0	100.0	85.0	110.0		
36	96	85.0	140.0	85.0	110.0	
40		85.0	136.4	85.0	110.0	
44		85.0	127.4	85.0	110.0	
48		85.0	120.0	85.0	110.0	
50		85.0	100.0	85.0	110.0	
53		85.0	100.0	85.0	110.0	
56		85.0	100.0	85.0	110.0	
60	85.0	100.0	85.0	110.0		
36	102	85.0	100.0	85.0	110.0	
40		85.0	100.0	85.0	110.0	
44		85.0	100.0	85.0	110.0	
48		85.0	100.0	85.0	110.0	
50		85.0	100.0	85.0	110.0	
53		85.0	100.0	85.0	110.0	
56		85.0	100.0	85.0	110.0	
36	108	85.0	100.0	85.0	110.0	
40		85.0	100.0	85.0	110.0	
44		85.0	100.0	85.0	110.0	
48		85.0	100.0	85.0	110.0	
50		85.0	99.9	85.0	110.0	
53		85.0	96.0	85.0	110.0	
36		114	85.0	100.0	85.0	110.0
40	85.0		100.0	85.0	110.0	
44	85.0		100.0	85.0	110.0	
48	85.0		96.0	85.0	110.0	
50	85.0		93.2	85.0	108.2 *	
36	120		85.0	100.0	85.0	110.0
40			85.0	100.0	85.0	110.0
44		85.0	96.2	85.0	110.0	
48		85.0	90.0	85.0	104.5 *	

\* THESE SIZES QUALIFY FOR +85.0, -110.0 PSF  
USING 5/16" TAPCONS AT SILL CLUSTERS ONLY.

Approved as complying with the  
Florida Building Code  
Date June 14, 2007  
NOA# 07-0411-12  
Miami Dade Product Control  
Division  
By Ismael L. Llanos

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

APR 09 2007

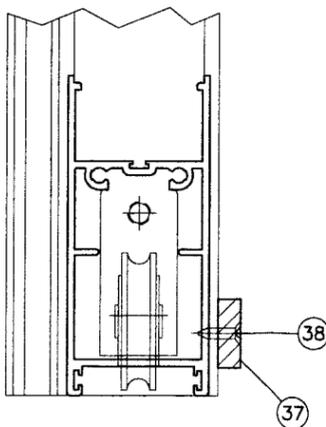
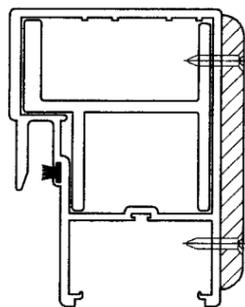
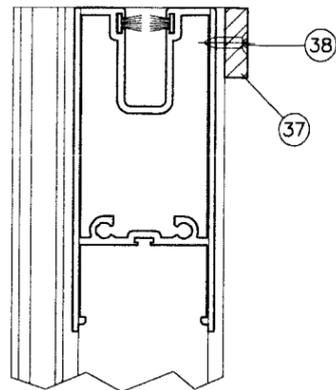
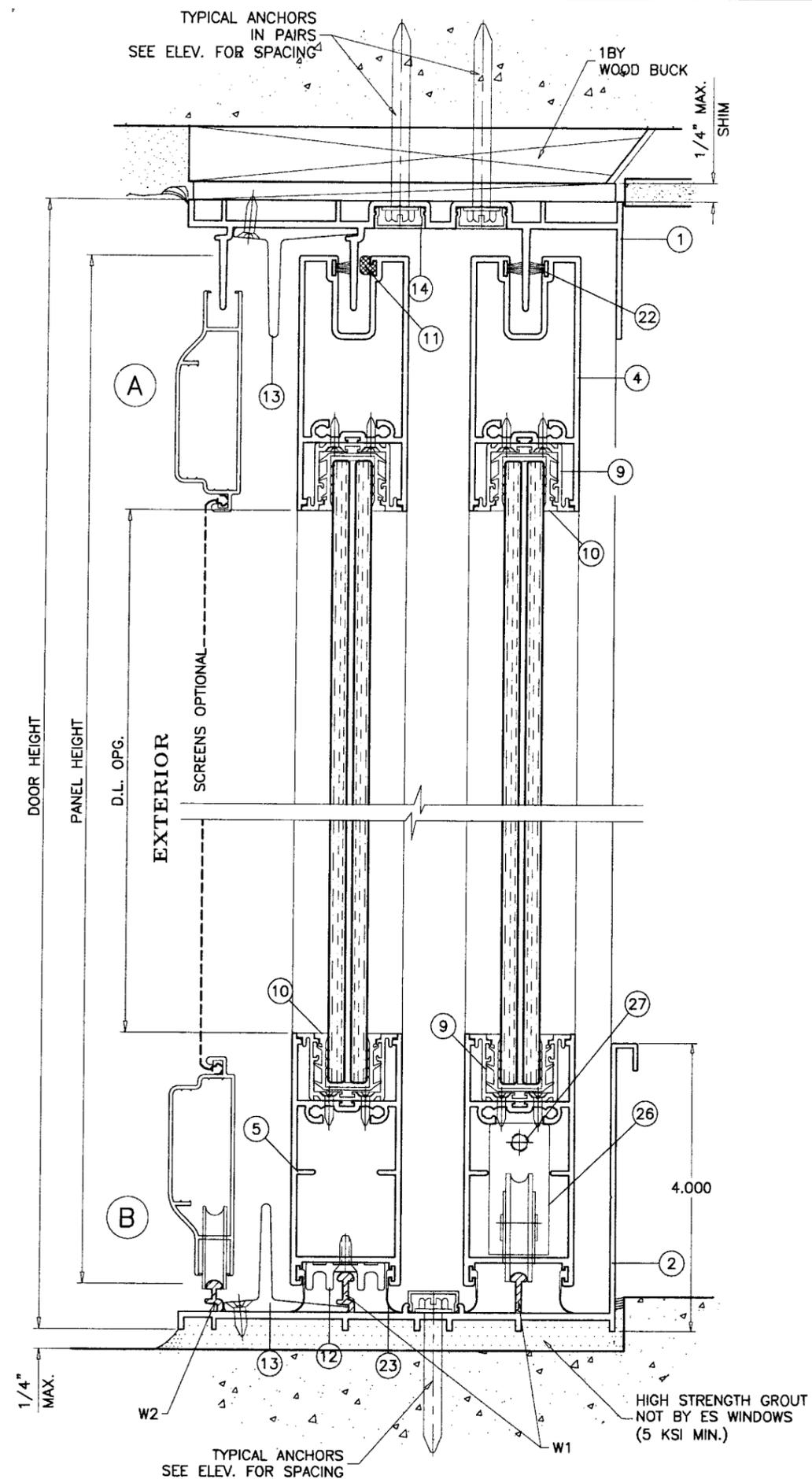
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**AL-FAROOQ CORPORATION**  
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no	date	by	description

date: 04-04-07  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W07-26**



WOOD BUCKS AND METAL STRUCTURE NOT BY E.S. WINDOWS  
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM  
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

**1/4" TAPCONS OR 5/16" TAPCONS**

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-3/8" MIN. PENETRATION INTO WOOD

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

DIRECTLY INTO CONC. OR MASONRY  
1-3/4" MIN. EMBED INTO CONC. OR MASONRY

**1/4" TEKS OR 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)

**#12 SMS OR SELF DRILLING SCREWS**

INTO DADE COUNTY APPROVED MULLIONS  
(NO SHIM SPACE)

**MIN. EDGE DISTANCES**

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

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD & SILL = fc' = 3000 PSI MIN.

MASONRY BLOCK AT JAMBS = fm' = 1500 PSI MIN.

**SEALANT:**

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH  
WHITE/ALUMINUM COLORED SILICONE.

**WEEPHOLES:**

W1 = 2-5/8" LONG WEEP NOTCH AT EACH END

W2 = 1" LONG WEEP NOTCH AT EACH END

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Miami Dade Product Control  
Division  
By Shag I. Ghande

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

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**afc**  
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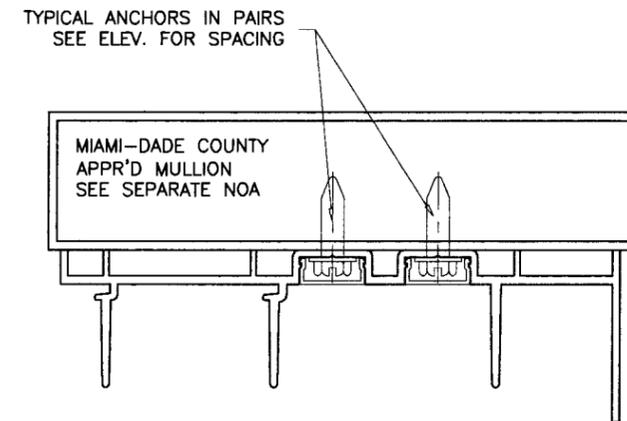
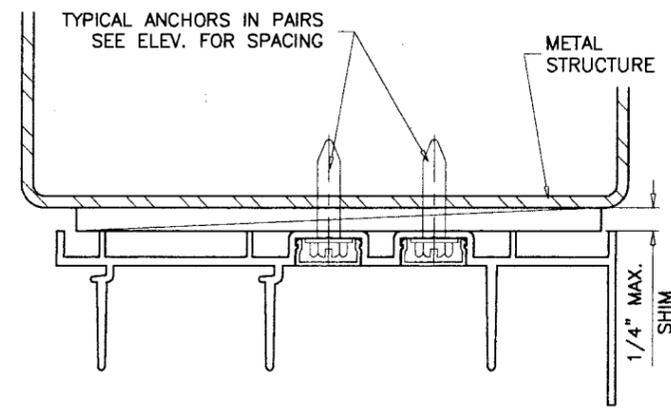
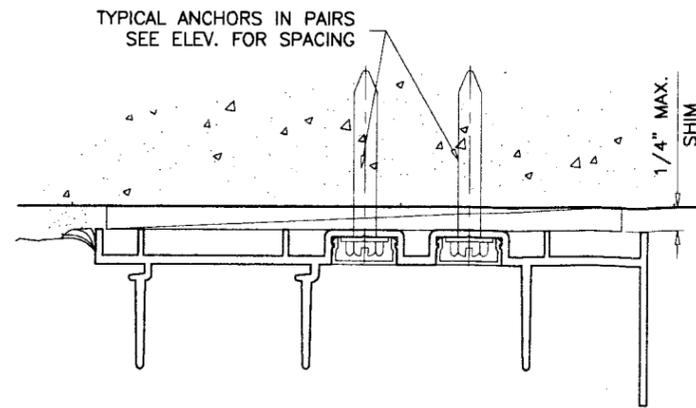
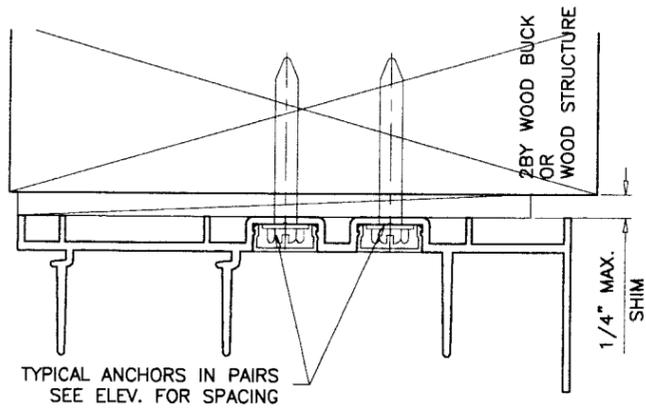
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no	date	by	description

date: 04-04-07  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W07-26**

sheet 3 of 9



Approved as complying with the  
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 Date JUNE 14, 2007  
 NOA# 07-0411.12  
 Miami Dade Product Control  
 Division  
 By Shaqi Chande

Engr. DR. HUMAYOUN FAROOQ  
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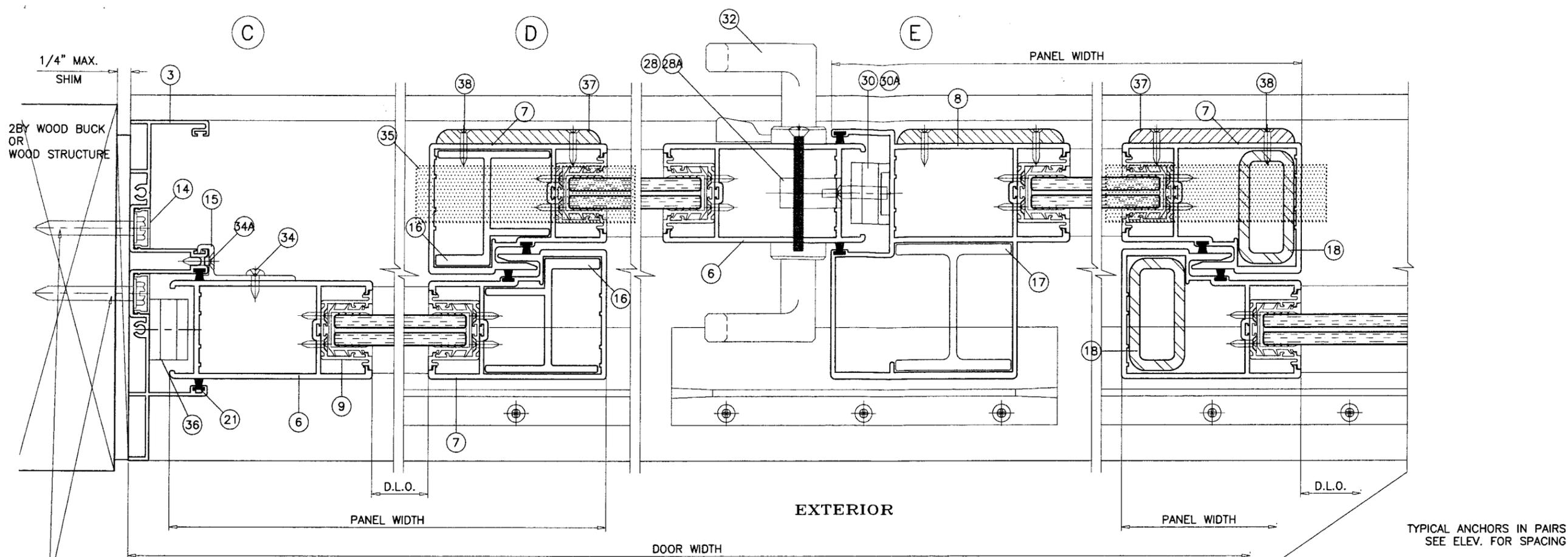
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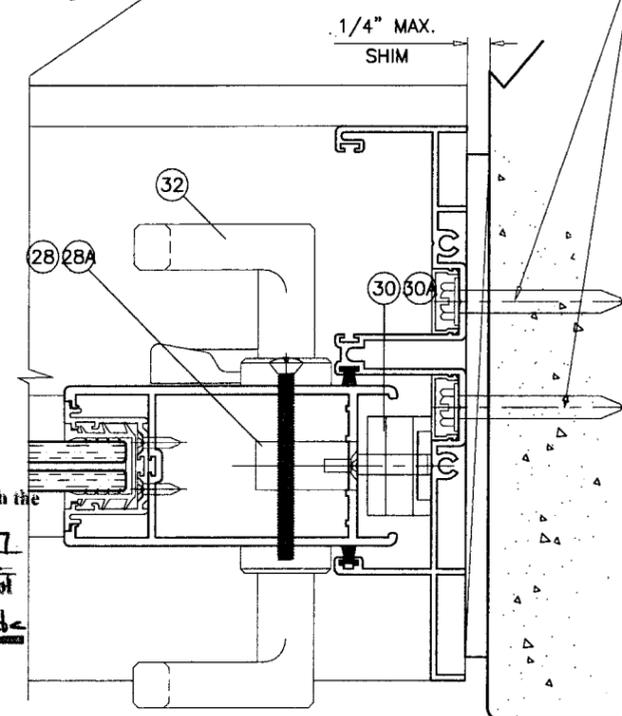
drawing no.  
**W07-26**

sheet 4 of 9



EXTERIOR

SEE SHEET 2 FOR REINFORCING DETAILS



Approved as complying with the  
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 NOA# 07-2411-12  
 Miami Dade Product Control  
 Division  
 By Isaac I. Chande

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

APR 10 2007

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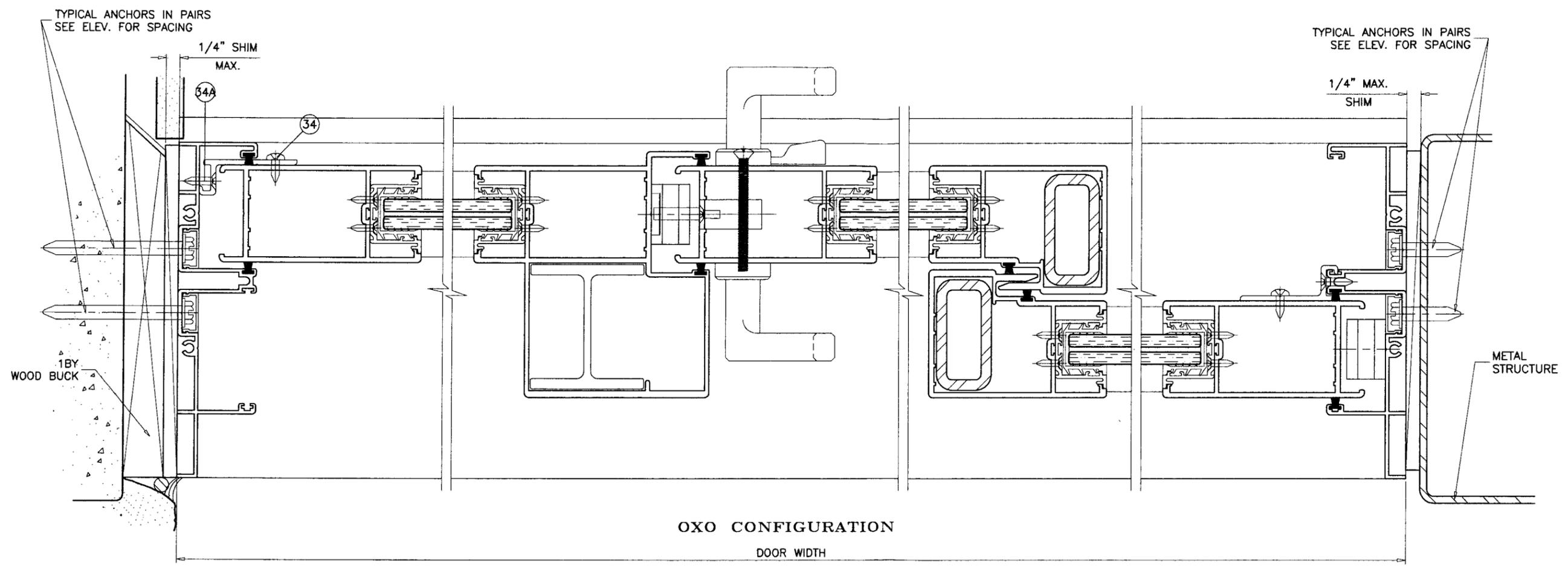
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Revisions:	
no	date by description

date: 04-04-07  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W07-26**

sheet 5 of 9



SEE SHEET 2 FOR REINFORCING DETAILS

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 Miami Dade Product Control  
 Division  
 By Ishaq I. Chaudhry

Engr: DR. HUMAYOON FAROOQ  
 STRUCTURES  
 FLA. PE # 18557  
 C.A.N. 3533

*[Signature]*

APR 09 2007

revisions:	
no.	date by description

date: 04-04-07	scale: 1/2" = 1"
dr. by: HAMID	chk. by:

drawing no.	W07-26
sheet 6 of 9	

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES6001	1	FRAME HEAD	6005-T5	-
2	ES6002	1	FRAME SILL	6005-T5	-
3	ES6003	1	FRAME JAMB	6063-T6	-
4	ES6004	2/ PANEL	TOP RAIL	6063-T6	-
5	ES6005	2/ PANEL	BOTTOM RAIL	6063-T6	-
6	ES6006	AS REQD.	LOCK STILE	6063-T6	-
7	ES6007	AS REQD.	INTERLOCK	6063-T6	-
8	ES6008	AS REQD.	FEMALE ASTRAGAL	6063-T6	-
9	ES6009	AS REQD.	GLAZING ADAPTER	6063-T6	-
10	ES6018	AS REQD.	GLAZING GASKET	NEOPRENE	-
11	ES6016	4/ PANEL	PANEL GUIDE (TOP ONLY)	CELCON	-
12	ES6015	2/ PANEL	FIXED PANEL BOTTOM GUIDE	6063-T6	SECURE W/ (2) #10 FH SMS
13	ES6010	2/ PANEL	RETAINER CLIP, 6" LONG	6005-T5	AT MTG. RAIL HEAD & SILL ENDS
14	ES6011	2/ JAMB	JAMB SCREW COVER	6063-T5	OPTIONAL
15	ES6014	3/ FIX. PANEL	FIXED PANEL CLIP	6063-T6	AT 7" FROM EACH END AND AT MIDSPAN
16	ES6012	AS REQD.	INTERLOCK STIFFENER	6063-T6	-
17	ES6013	AS REQD.	ASTRAGAL STIFFENER	6063-T6	-
18	1" X 2" X 3/16"	AS REQD.	STEEL TUBE REINFORCING	-	TO BE PAINTED
21	W222521K	AS REQD.	STILE & JAMB W'STRIPPING	-	ULTRAFAB
22	W223221K	AS REQD.	TOP RAIL W'STRIPPING	-	ULTRAFAB
23	ES6027	AS REQD.	BOTTOM RAIL W'STRIPPING	VINYL	GLASS PANELS
24	#10X1-1/2" PH SMS	8/ PANEL	PANEL ASSY SCREWS	-	-
25	#10X1-1/2" PH SMS	2/ CORNER	FRAME ASSY SCREWS	-	-
26	1939-7585-55	2/ MOV. PANEL	GLASS PANEL ROLLER ASSY.	ST. STEEL	1-1/4" O.D. WHEELS
27	1/4-20 X 3/4" PH MS	1/ ROLLER	ROLLER INST. SCREWS	-	-
28	2300-10SS	1/ MOV. PANEL	STD. MORTISE LOCK	ST. STEEL	-
28A	2468T-00	1/ MOV. PANEL	MULTI POINT MORTISE LOCK	ST. STEEL	WITH 2448 TRIM PLATE
29	#6-32 X 1/2" FH SMS	2/ LOCK	LOCK INSTALLATION SCREW	ST. STEEL	-
30	ES6017-1	1/ LOCK	LOCK KEEPER (STD. LOCK)	PLATED STEEL	-
30A	2447-00	1/ LOCK	LOCK KEEPER (MULTI POINT LOCK)	ST. STEEL	-
31	#10 X 5/8" PH SMS B	2/ LOCK	LOCK KEEPER MOUNT. SCREW (STD. LOCK)	ST. STEEL	-
31A	#10 X 3/4" PH SMS B	4/ LOCK	LOCK KEEPER MOUNT. SCREW (MULTI POINT LOCK)	ST. STEEL	-
32	#623Z	1/ LOCK	INTERIOR AND EXTERIOR PULL	-	(3) #6-32 X 1/2" FH MS, ST. STEEL
34	#10X1/2" PH SMS	2/ CLIP	FIXED PANEL CLIP FASTENER	ST. STEEL	-
34A	#8X1" FH SMS	2/ CLIP	FIXED PANEL CLIP FASTENER	ST. STEEL	-
35	-	AS REQD.	1"X4" LONG SELF ADHESIVE PILE PAD	WOOLPILE	AT HEAD AND SILL
36	-	AS REQD.	PANEL BUMPER	NEOPRENE	-
37	ES6019	AS REQD.	RESTRAINING PLATE	NYLON	AT TOP & BOT. INTERLOCKS & ASTRAGAL
38	#8 X 5/8" FH SMS	2/ PLATE	RESTRAINING PLATE FASTENER	-	-

**LATCHES:**

ITEMS 28A AND 30A USED FOR DOORS WITH STEEL REINFORCING ONLY  
 ITEMS 28 AND 30 USED FOR ALL OTHER DOORS.

Approved as complying with the  
 Florida Building Code  
 Date JUNE 14, 2007  
 NOA# 07-0411-12  
 Miami Dade Product Control  
 Division  
 By Ishaq I. Chauda

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

APR 09 2007

**afC**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
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 COMP-ANL\W07-26ES

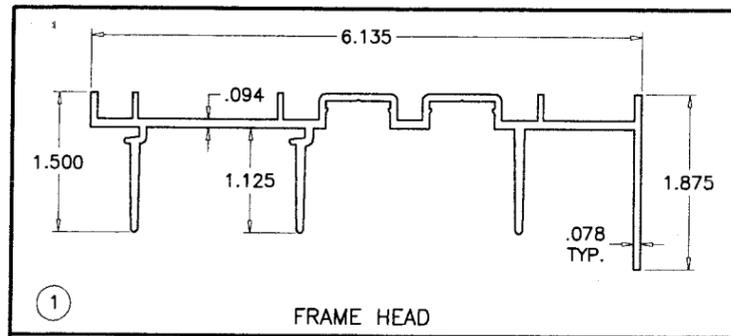
SERIES-6100 ALUM SLIDING GLASS DOOR (S.M.I.)  
**E.S. WINDOWS**  
 5220 N.W. 72 AVE. BAY #4  
 MIAMI, FL. 33166  
 TEL. (305) 640-9857 FAX. (305) 593-2074

no	date	by	description

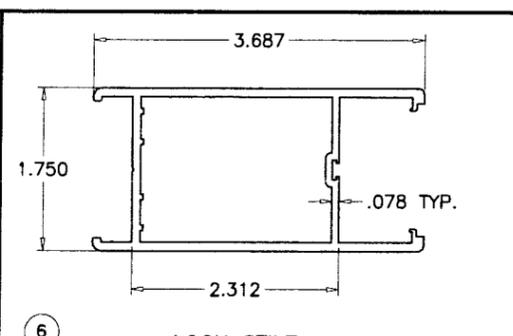
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 chk. by:

drawing no.  
**W07-26**

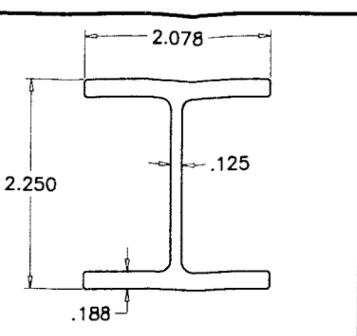
sheet 7 of 9



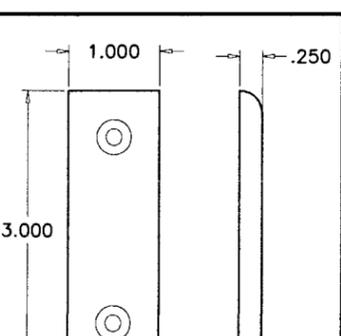
1 FRAME HEAD



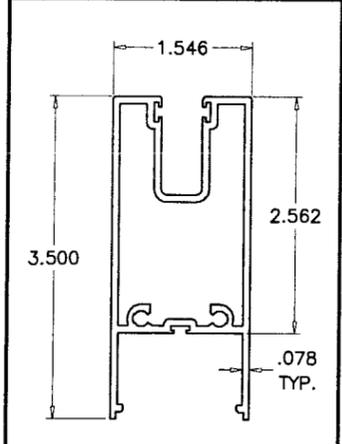
6 LOCK STILE



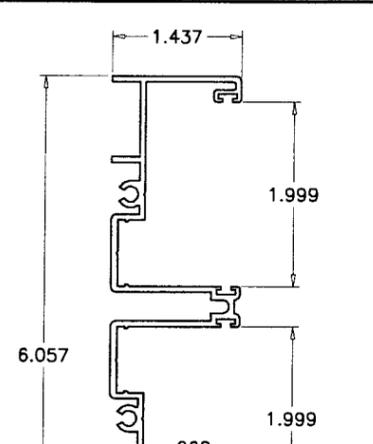
17 ASTRAGAL STIFFENER



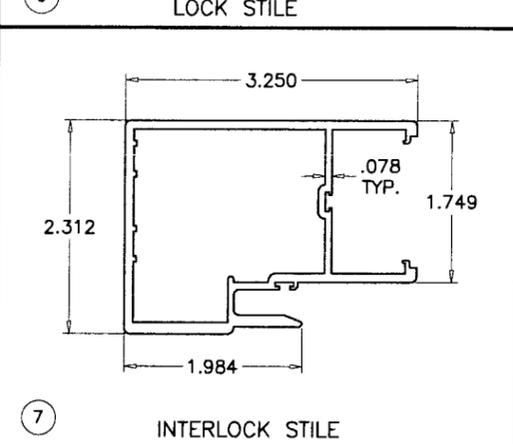
37 RESTRAINING PLATE



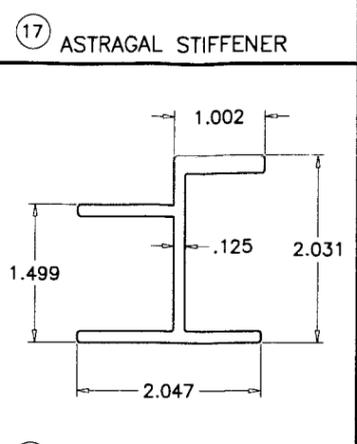
4 PANEL TOP RAIL



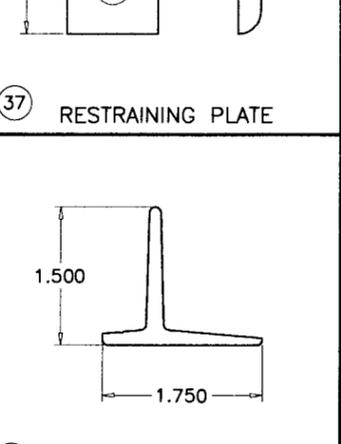
3 FRAME JAMB



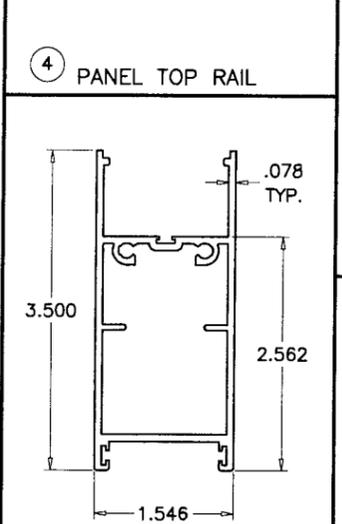
7 INTERLOCK STILE



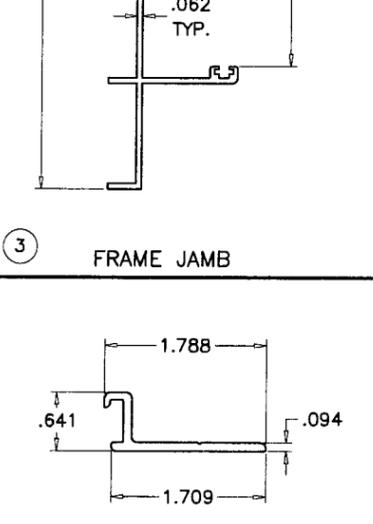
16 INTERLOCK STIFFENER



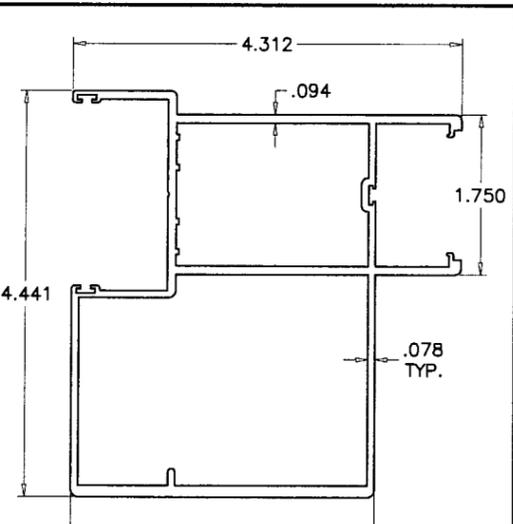
13 RETAINER CLIP



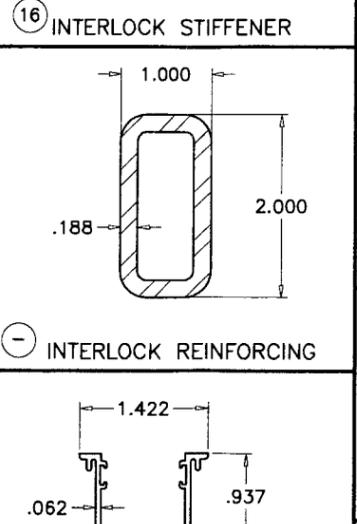
5 PANEL BOTTOM RAIL



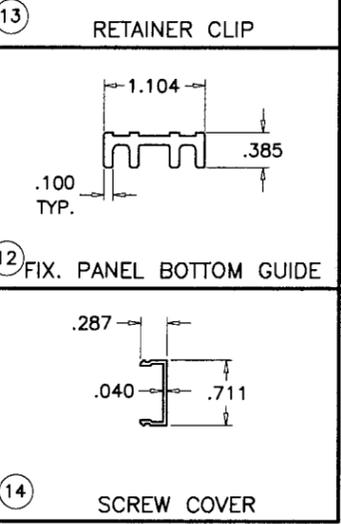
15 FIXED PANEL CLIP



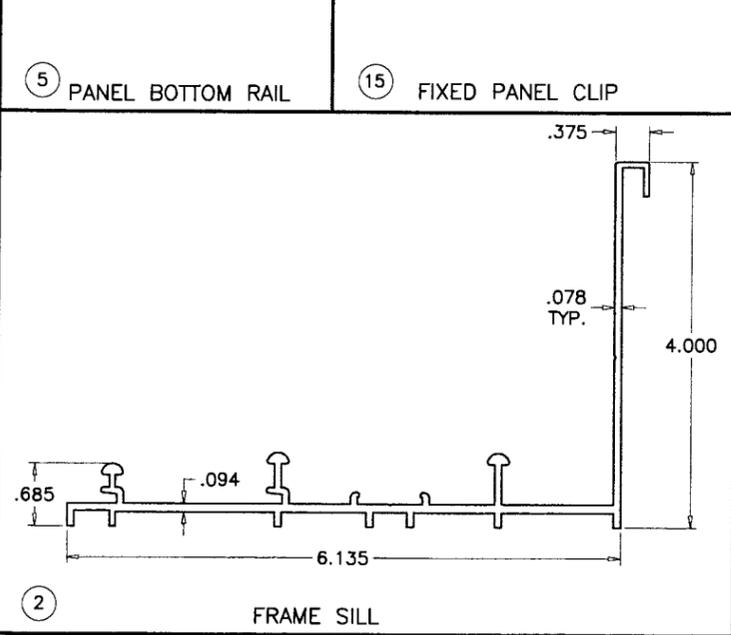
8 ASTRAGAL STILE



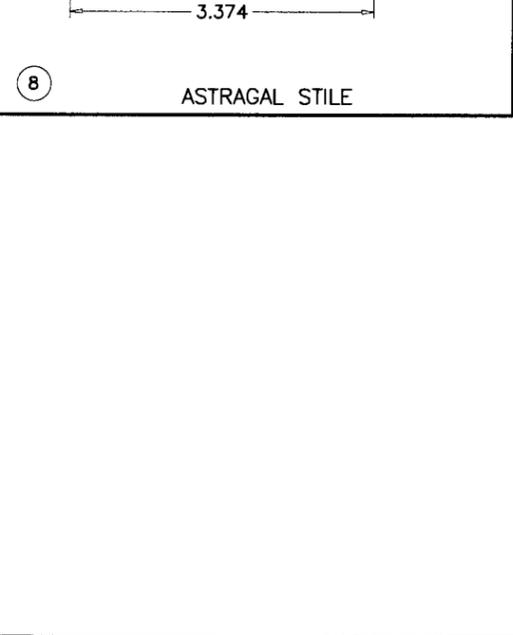
11 INTERLOCK REINFORCING



12 FIX. PANEL BOTTOM GUIDE



2 FRAME SILL



9 GLAZING ADAPTER

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
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NOA# 07-6411-12  
Miami Dade Product Control  
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By Shaq I. Chaudhry

**af c**  
**AL-FAROOQ CORPORATION**  
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COMP-ANL\W07-26ES

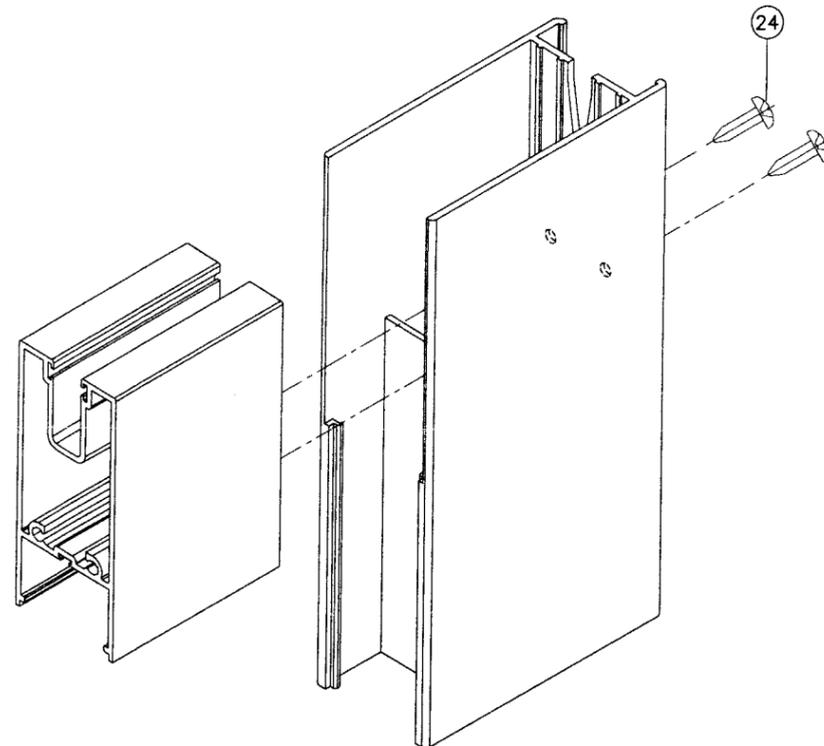
SERIES-6100 ALUM SLIDING GLASS DOOR (S.M.I.)  
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5220 N.W. 72 AVE. BAY #4  
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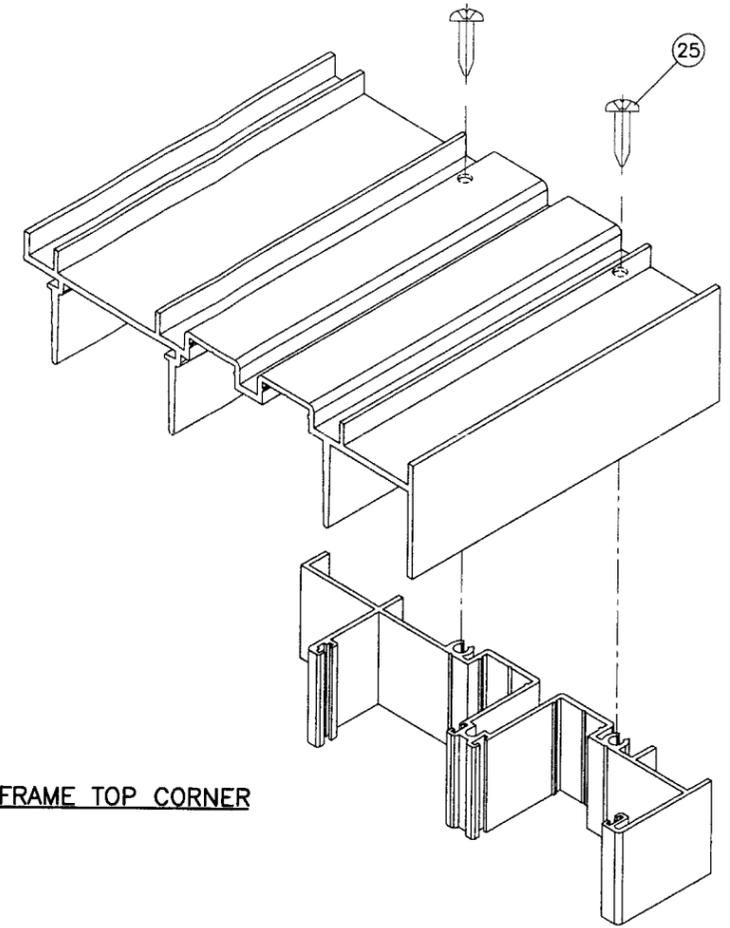
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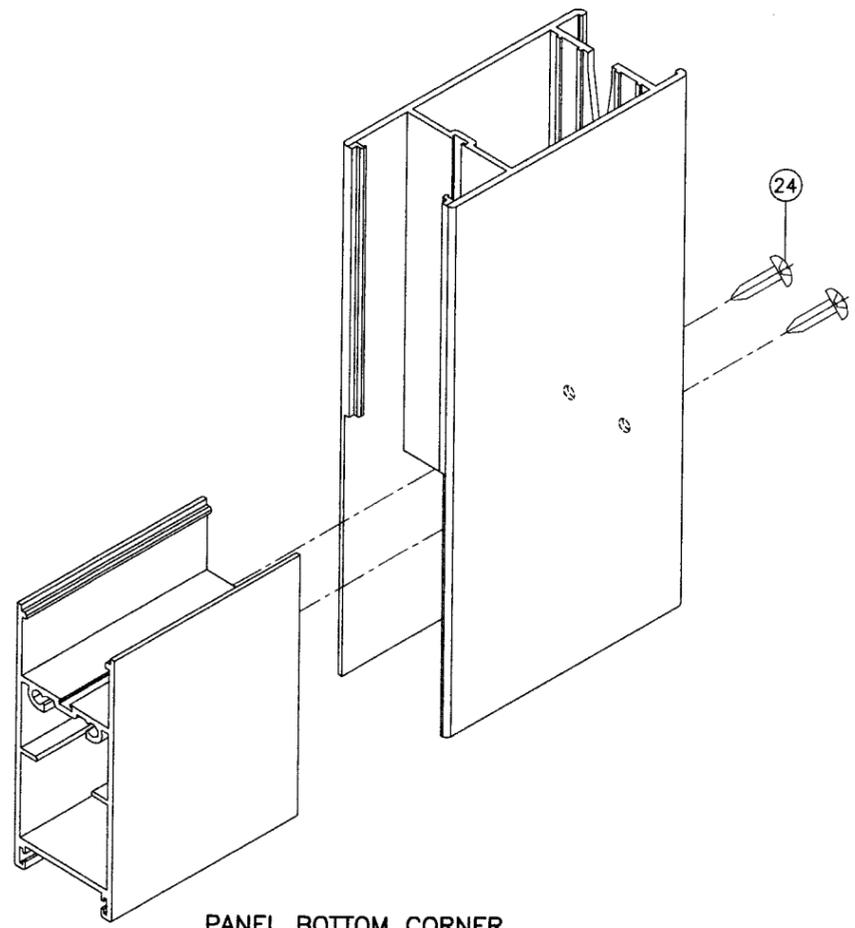
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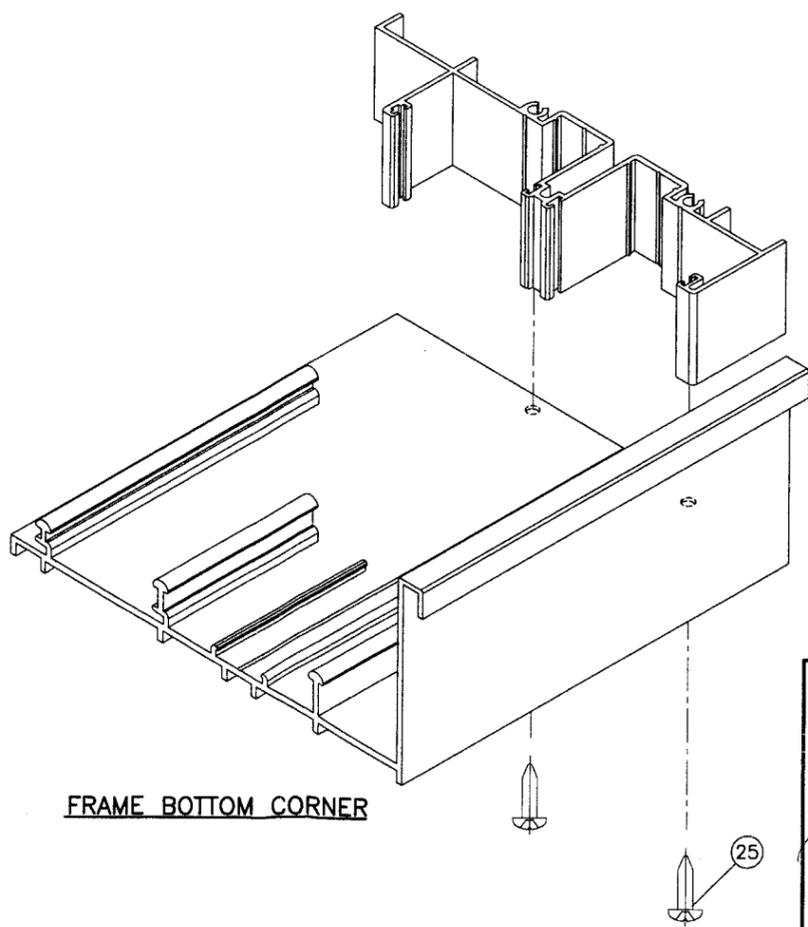
PANEL TOP CORNER



FRAME TOP CORNER



PANEL BOTTOM CORNER



FRAME BOTTOM CORNER

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**a f c**

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**W07-26**

sheet 9 of 9