



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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buldingcode

E.S. Windows, LLC.
10653 N.E. Quaybridge Court
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 the High Velocity Hurricane Zone.

DESCRIPTION: Series "ES 4000" Aluminum Sliding Glass Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. W03-100, titled "Series-4000 Aluminum Sliding Glass Door (L.M.I.), sheets 1 through 8 of 8, dated 11/08/03, with revision E dated 02/15/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun 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 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 revises NOA # 06-0606.02 and 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 **Carlos M. Utrera, P.E.**



[Handwritten Signature]
5/3/08

NOA No 08-0417.03
Expiration Date: March 18, 2009
Approval Date: May 29, 2008
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-100**, titled "Series-4000 Aluminum Sliding Glass Door (L.M.I.), sheets 1 through 8 of 8, dated 11/08/03, with revision E dated 02/15/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on 4) Large 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 an Aluminum Sliding Glass Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5471**, dated 01/18/08, signed and sealed by Michael Wenzel, 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) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
Along with marked-up drawings and installation diagram of an Aluminum Sliding Glass Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No(s). **FTL-3908**, dated 10/09/03, **FTL-3909**, dated 09/26/03, **FTL-3910**, dated 09/30/03 and **FTL-4287**, dated 09/22/04, signed and sealed by Joseph Chan, P.E. and Test Report No. **FTL-4287**, dated 09/22/04, signed and sealed by Edmundo Largaespada, P.E.
"Evidence submitted under NOA # 04-1117.05"

C. CALCULATIONS

1. Anchor verification calculation dated 06-03-06, complying w/ FBC 2004, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.
2. Calculations, and structural analysis, prepared by Al-Farooq Corporation, dated 11/07/03, signed and sealed by Humayoun Farooq, P.E.
"Evidence submitted under NOA # 04-1117.05"
3. **Glazing complies with ASTM E-1300-02/04.**

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 08-0417.03
Expiration Date: March 18, 2009
Approval Date: May 29, 2008

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

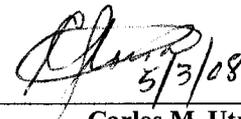
1. Notice of Acceptance No. **06-1205.01** issued to “E.I. DuPont DeNemours” for “Sentry Glass ® Plus” dated 01/17/02, expiring on 01/14/07.
2. Notice of Acceptance No. **05-1208.02** issued to “E.I. DuPont DeNemours” for “Dupont Butacite ® PVB”, expiring on 12/11/10.

F. STATEMENTS

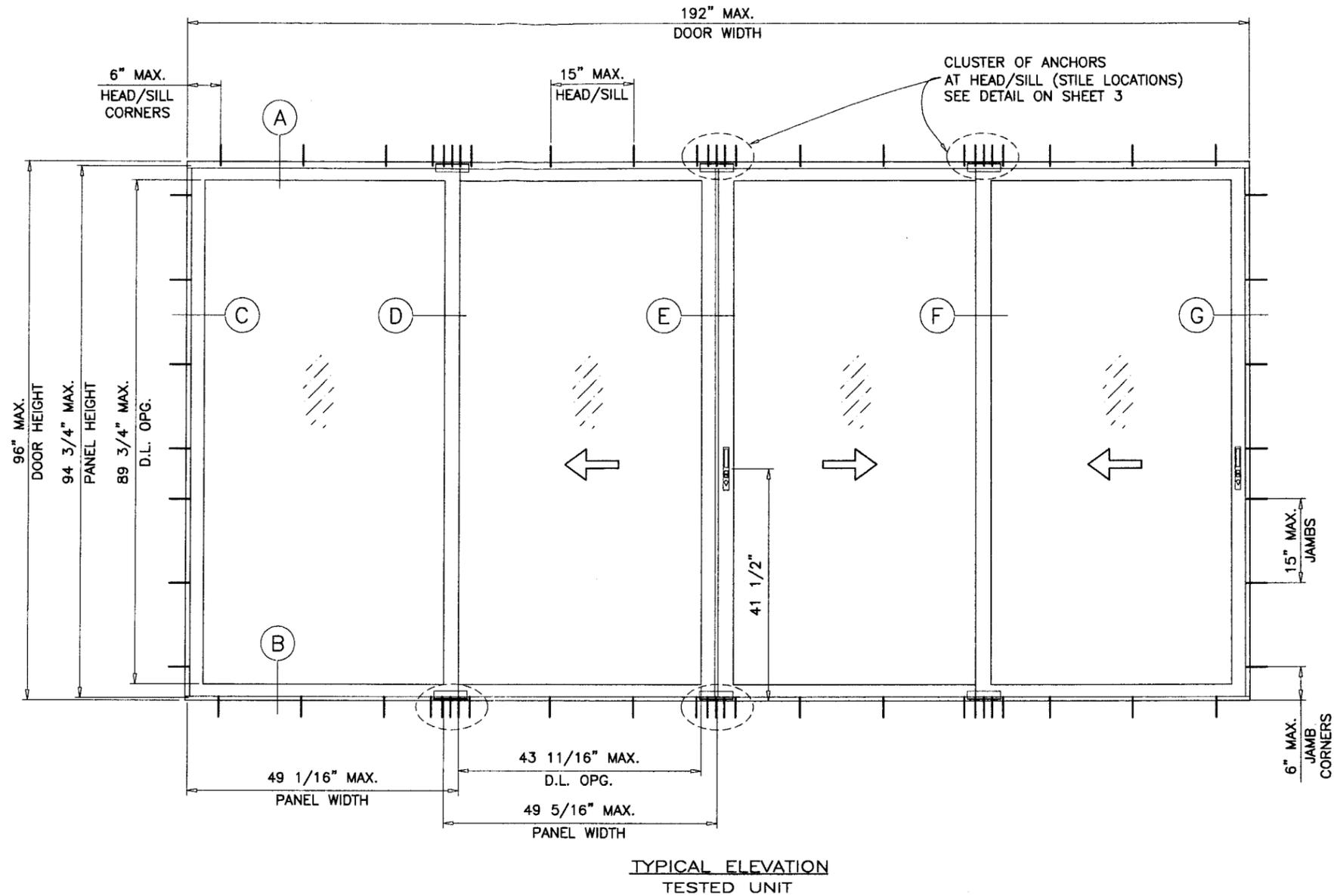
1. Statement letter of code conformance, issued by Al-Farooq Corporation, dated 02/14/08, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, issued by Al-Farooq Corporation, dated 02/14/08, signed and sealed by Humayoun Farooq, P.E.
3. Laboratory compliance letter issued by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5471**, dated 01/23/08, signed and sealed by Michael Wenzel, P.E.

G. OTHER

1. Notice of Acceptance No. **06-0606.02**, issued to E.S. Windows LLC., approved on 10/12/06 and expiring on 03/18/09.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 08-0417.03
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TYPICAL ELEVATION
TESTED UNIT

SERIES-4000 ALUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHARTS SHOWN ON SHEETS 2 AND 3.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004/2007 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.

DOORS GLAZED WITH LAMINATED GLASS RATED FOR LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

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

[Signature]
APR 16 2008

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-041703
Expiration Date 03/18/2009
By *[Signature]*
Miami/Dade Product Control
Division

revisions:

no	date	description
A	01.22.04	NO CHANGE THIS SHEET
B	11.02.04	NOTE REV.
C	05.17.06	UPDATED FOR 2004 FBC
D	09.14.06	REV. PER BCCO COMMENTS
E	02.15.08	GLASS TYPE C ADDED

date: 11-08-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-100
sheet 1 of 8

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\W03-100ES

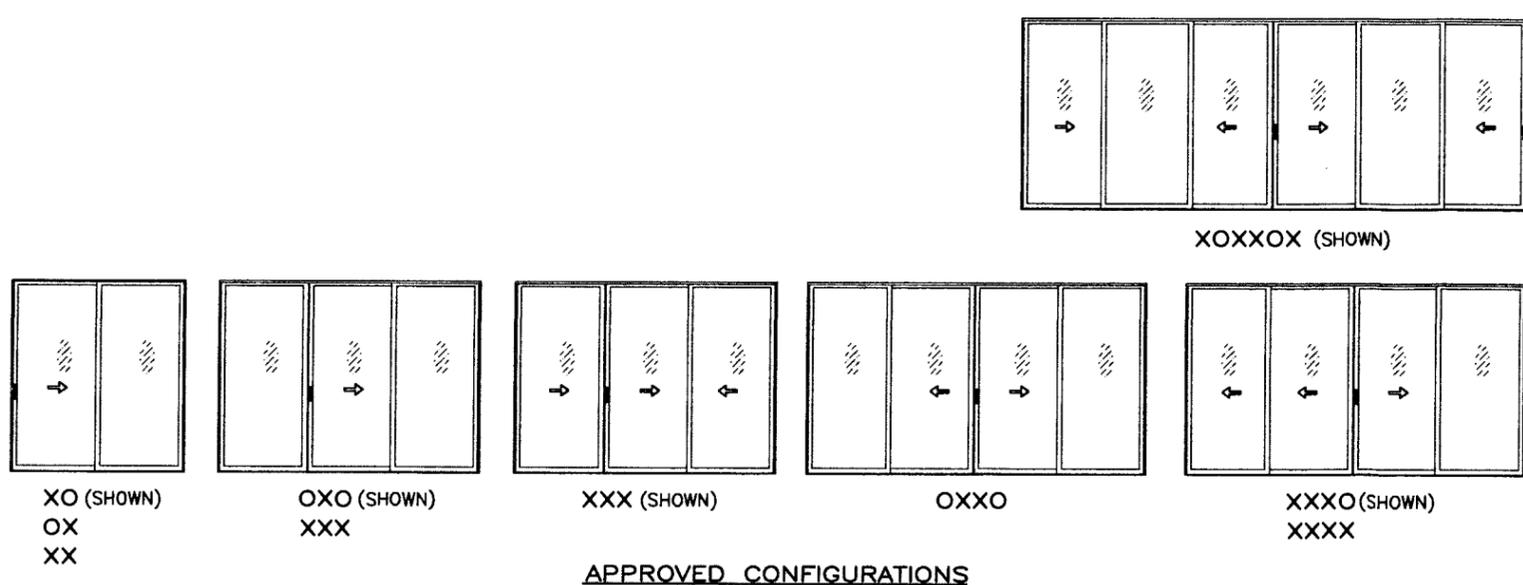
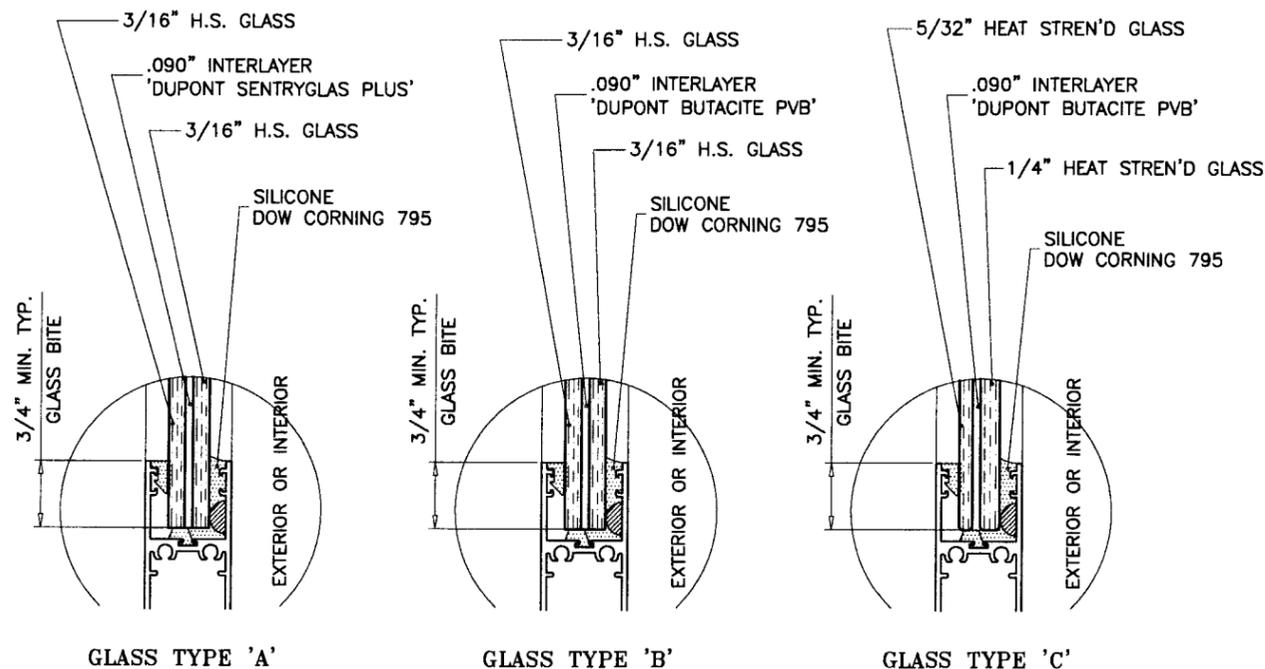
SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)
E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 640-9857 FAX. (305) 593-2074

SEE SHEET 3 FOR XO OR XX DOORS WITH HEAVY REINFORCING

DESIGN LOAD CAPACITY - PSF
(ALL CONFIGURATIONS SHOWN ON THIS SHEET)
GLASS TYPES 'A', 'B' OR 'C'

PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	HEAVY REINF'G				MEDIUM REINFOR'G		NO REINFOR'G	
		SCHEDULE 'A'		SCHEDULE 'B'		SCHEDULE 'A'		SCHEDULE 'A'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30	80	70.0	80.0	70.0	80.0	70.0	80.0	70.0	80.0
36		70.0	80.0	70.0	80.0	70.0	80.0	70.0	80.0
42		70.0	80.0	70.0	80.0	70.0	80.0	-	-
48		70.0	80.0	70.0	80.0	-	-	-	-
54		70.0	78.4	70.0	80.0	-	-	-	-
30	96	70.0	80.0	70.0	80.0	70.0	80.0	-	-
36		70.0	79.9	70.0	80.0	70.0	79.9	-	-
42		70.0	71.2	70.0	80.0	-	-	-	-
48		64.9	64.9	70.0	80.0	-	-	-	-

NOTE:
USE ANCHOR CHART ON SHEET 3 FOR SCHEDULE A & B



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

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

APR 16 2008

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-0417-03
Expiration Date 03/18/2009
By: *[Signature]*
Miami Dade Product Control
Division

afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W03-100ES

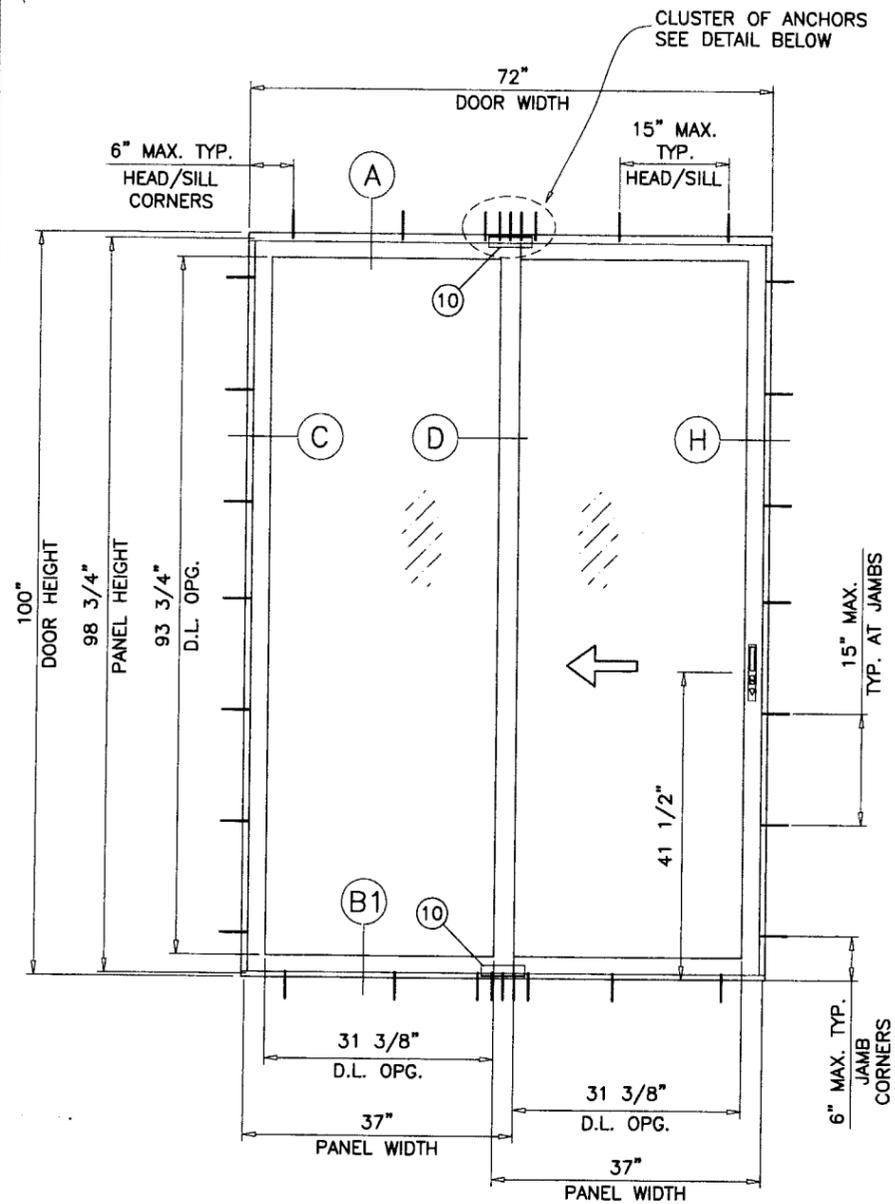
SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)
E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 640-9857 FAX. (305) 593-2074

revisions:

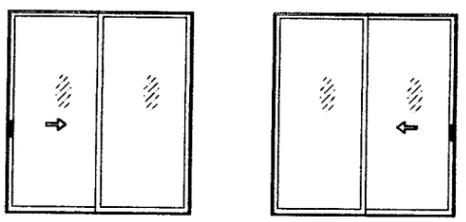
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A	01.22.04	NO CHANGE THIS SHEET
B	11.02.04	SHEET ADDED
C	05.17.06	UPDATED FOR 2004 FBC
D	09.14.06	REV. PER BCCO COMMENTS
E	02.15.08	GLASS TYPE C ADDED

date: 11-08-03
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-100
sheet 2 of 8



TYPICAL ELEVATION



APPROVED CONFIGURATIONS

SEE SHEET 2 FOR DOORS WITH MEDIUM OR NO REINFORCING

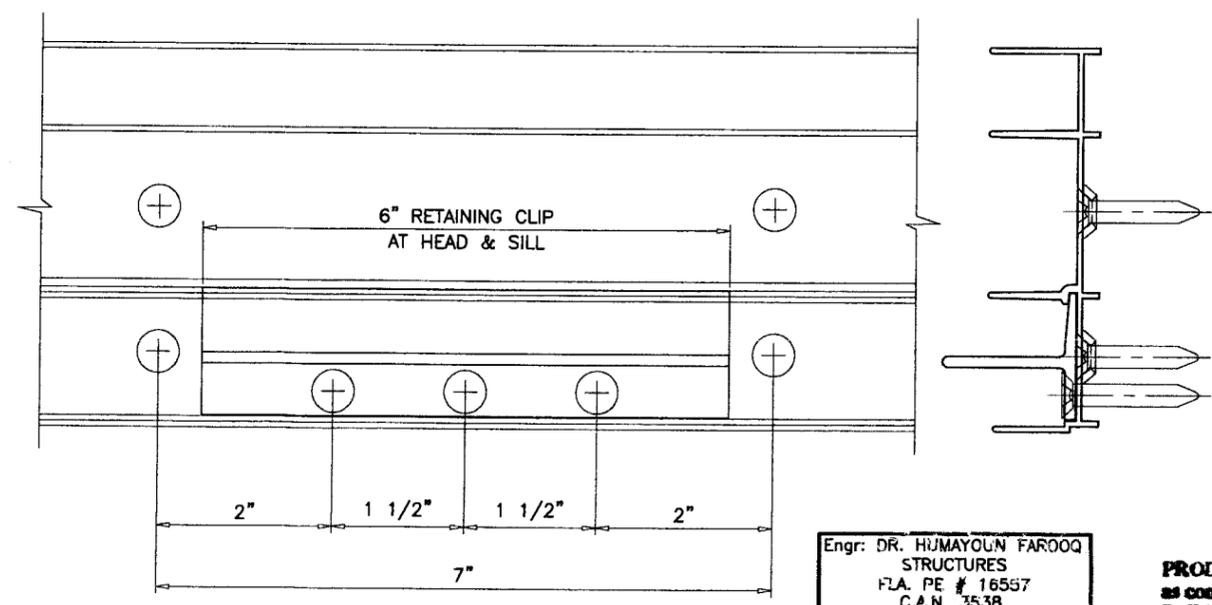
DESIGN LOAD CAPACITY - PSF (OX OR XO ONLY) GLASS TYPES 'A' OR 'B'					
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	HEAVY REINF'G (SEE DETAIL SHEET 5)			
		SCHEDULE 'A'		SCHEDULE 'B'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30	80	80.0	103.0	80.0	103.0
		80.0	100.5	80.0	103.0
		80.0	90.5	80.0	103.0
		80.0	86.7	80.0	103.0
30	96	80.0	92.3	80.0	103.0
		79.9	79.9	80.0	103.0
30	100	80.0	88.0	80.0	103.0
		76.0	76.0	80.0	103.0

THE SHOWN EXT. (+) LOADS REQUIRE
3-1/4" SILL HEIGHT (DTL. B1 ON SHEET 4).
REDUCE EXT. (+) LOAD CAPACITY TO
+70.0 PSF IF 2-1/2" SILL HEIGHT IS USED
INT. (-) LOADS REMAIN UNCHANGED.

ANCHOR CHART			
SUBSTRATE		SCHEDULE 'A'	SCHEDULE 'B'
WOOD	HEAD	1/4" TAPCONS	5/16" TAPCONS
	SILL	1/4" TAPCONS	1/4" TAPCONS
	JAMB	1/4" TAPCONS	1/4" TAPCONS
CONCRETE	HEAD	1/4" TAPCONS	5/16" TAPCONS
	SILL	1/4" TAPCONS	1/4" TAPCONS
BLOCK	JAMB	1/4" TAPCONS	1/4" TAPCONS

NOTE: ALL CLIP ANCHORS = 1/4" DIA. (ITEM #10)
MULLION ANCHORS = #12 SMS (NO SHIM SPACE)

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



DETAIL CLUSTER OF ANCHORS AT STILE ENDS

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

APR 16 2008

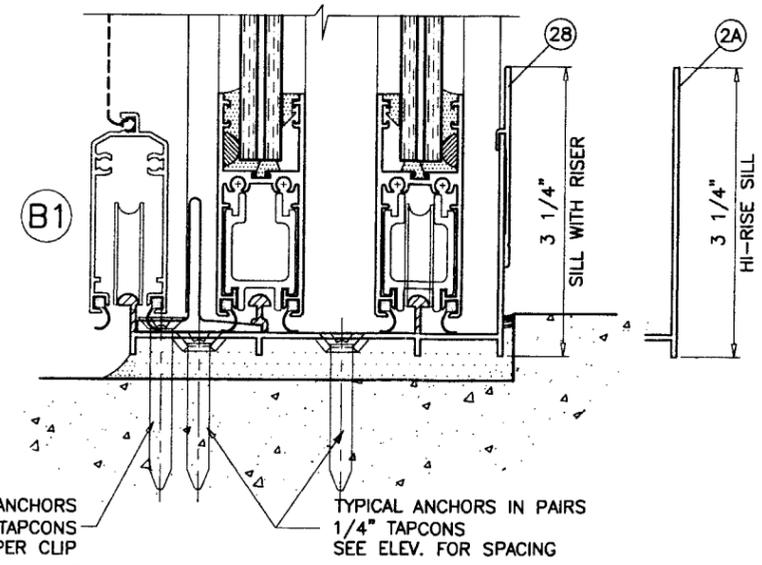
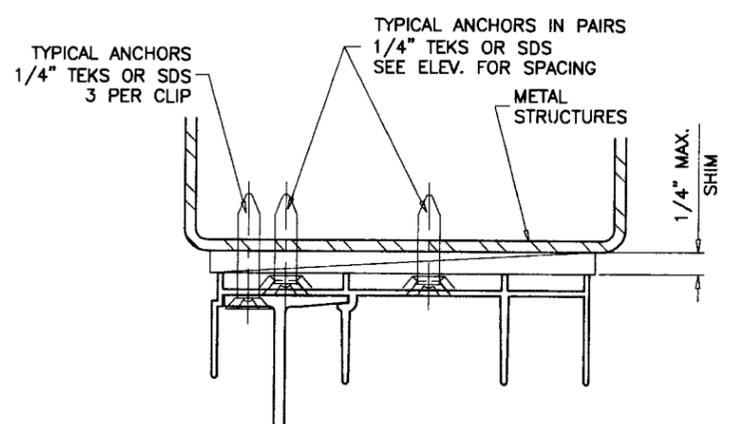
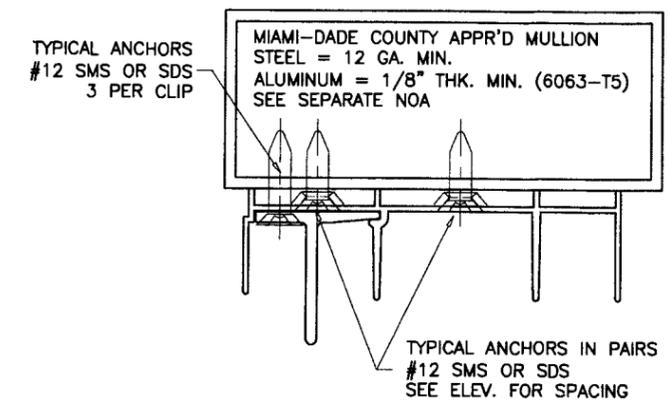
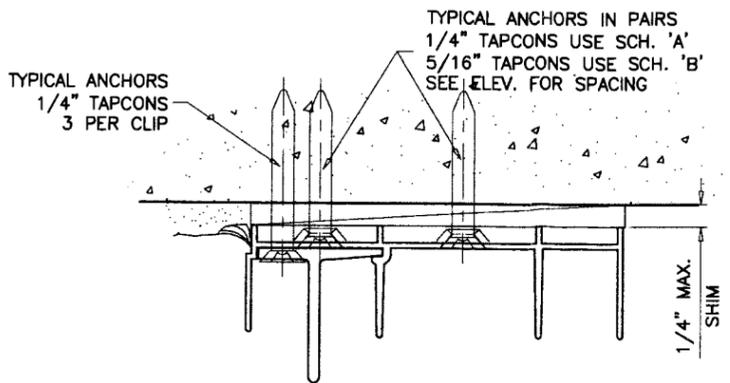
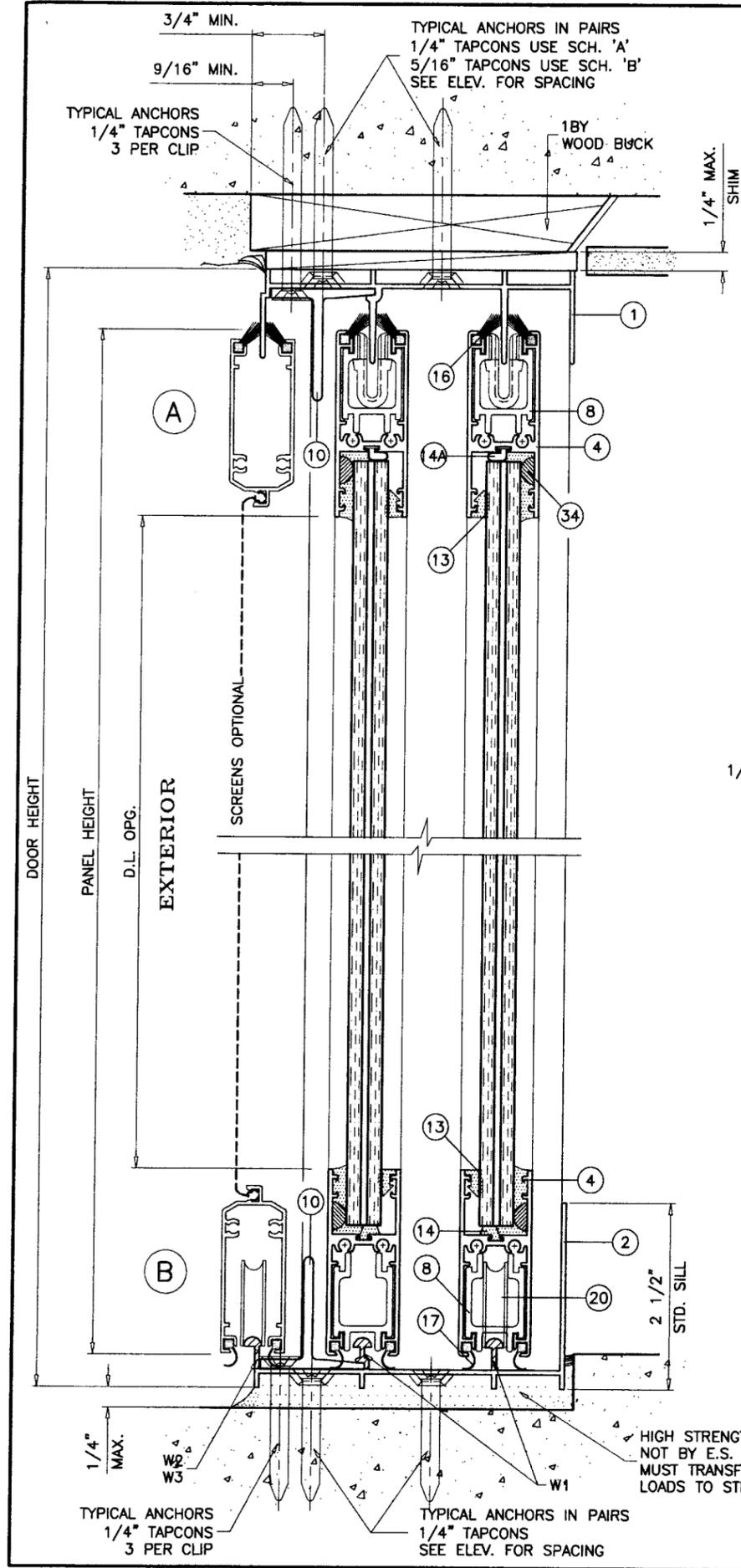
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as complying with the Florida
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Expiration Date 03/18/2009
By *[Signature]*
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SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)
E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 640-9857 FAX. (305) 593-2074

no	date	by	description
A	01.22.04		NO CHANGE THIS SHEET
B	11.02.04		SHEET ADDED
C	05.17.06		UPDATED FOR 2004 FBC
D	09.14.06		REV. PER BCCO COMMENTS
E	02.15.08		CHART REV.

date: 11-08-03
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:
drawing no. **W03-100**
sheet 3 of 8



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
1-1/2" 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 = SEE DETAIL (A)

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 = 1-3/4" WEEP NOTCH AT EACH END

W2 = 3/4" WEEP NOTCH AT EACH END

W3 = 3" X 1/4" WEEP HOLES AT 2" FROM EACH END

Engr. DR. HUMAYOUN FAROOQ
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By *[Signature]*
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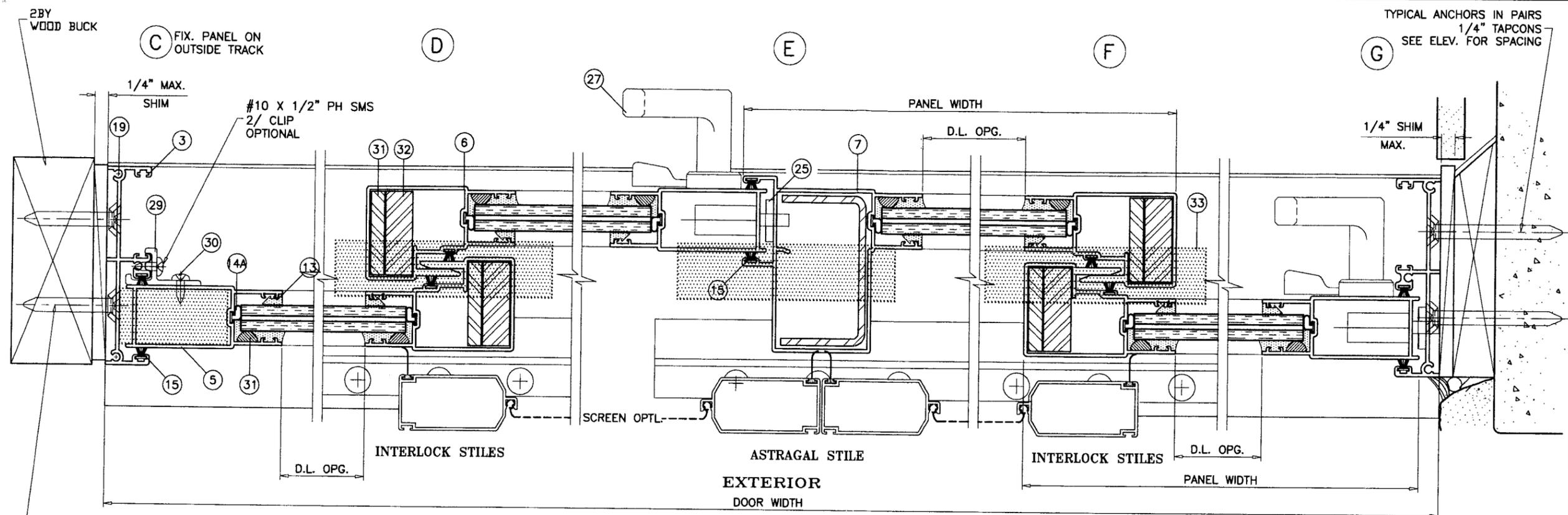
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no	date	by	description
A	01.22.04	TAPCON MANUF. SPECIFIED	
B	11.02.04	SILL DTL. REV.	
C	05.17.06	UPDATED FOR 2004 FBC	
D	09.14.06	REV. PER BCCO COMMENTS	
E	02.15.08	NO CHANGE THIS SHEET	

date: 11-08-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

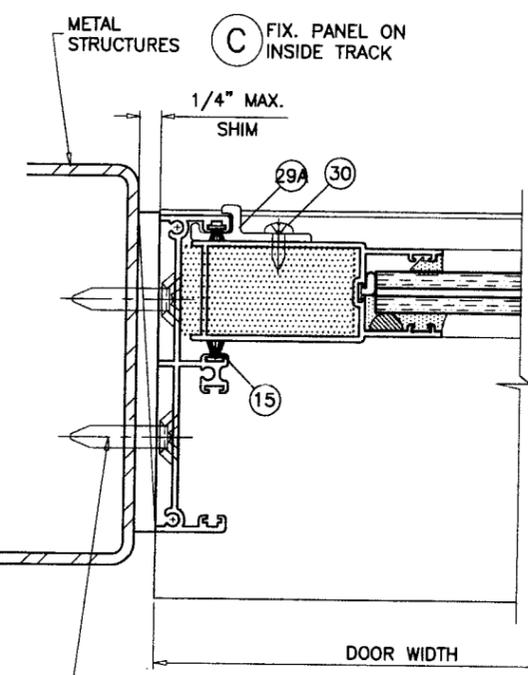
drawing no.
W03-100
sheet 4 of 8



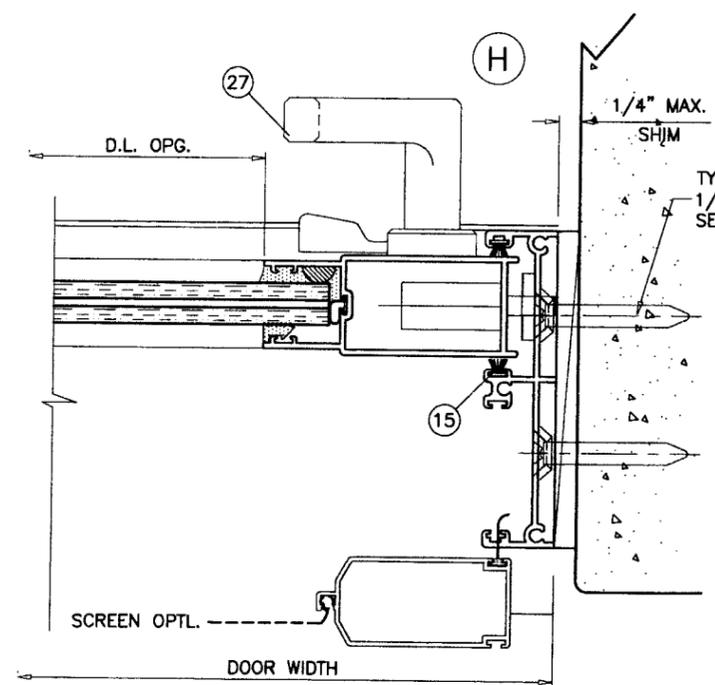
TYPICAL ANCHORS IN PAIRS
1/4" TAPCONS
SEE ELEV. FOR SPACING

TYPICAL ANCHORS IN PAIRS
1/4" TAPCONS
SEE ELEV. FOR SPACING

**HEAVY REINFORCING
AT INTERLOCK & ASTRAGAL STILES**



TYPICAL ANCHORS IN PAIRS
#14 SMS OR SDS
SEE ELEV. FOR SPACING



TYPICAL ANCHORS IN PAIRS
1/4" TAPCONS
SEE ELEV. FOR SPACING

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
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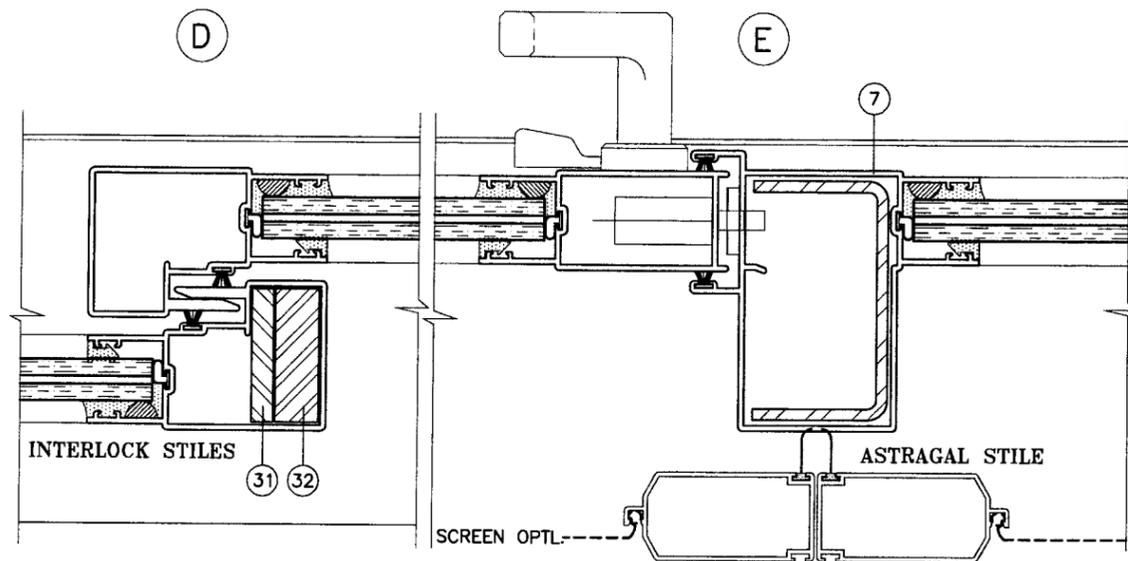
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afc
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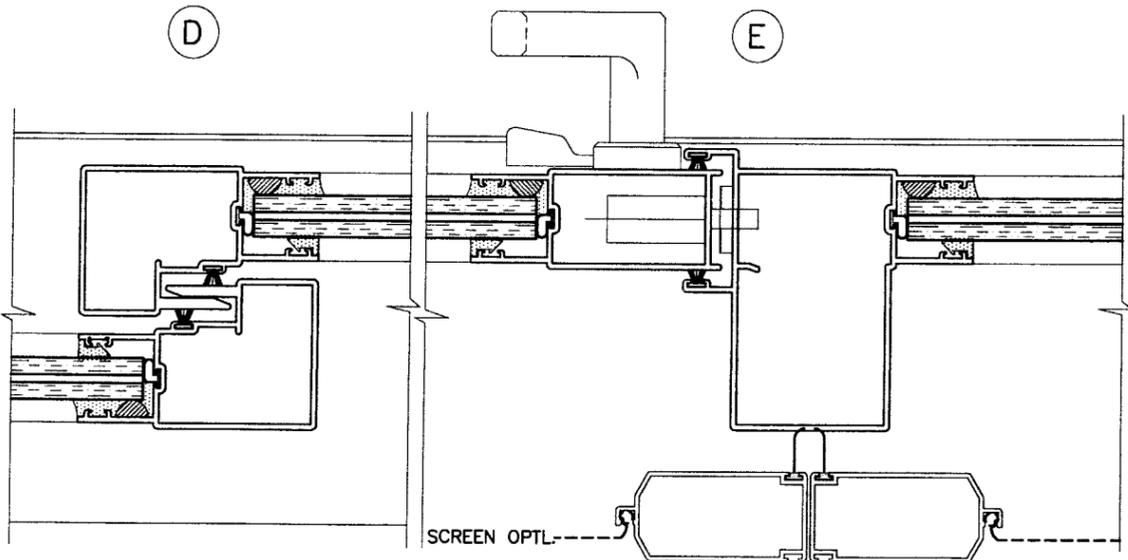
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no.	date	by	description
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C	05.17.06		UPDATED FOR 2004 FBC
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E	02.15.08		DTL. ADDED

date: 11-08-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no. **W03-100**
sheet 5 of 8



MEDIUM REINFORCING
AT EXT. INTERLOCK & ASTRAGAL STILES



NO REINFORCING

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES-4001-1	1	FRAME HEAD	6063-T5	-
2	ES-4002-1	1	STD. FRAME SILL	6063-T5	-
2A	-	1	HI-RISE FRAME SILL	6063-T5	-
3	ES-4003-1	1	FRAME JAMB	6063-T5	-
4	ES-4004-1	2/ PANEL	TOP AND BOTTOM RAIL	6063-T5	-
5	ES-4005-1	AS REQD.	LOCK STILE	6063-T5	-
6	ES-4006-1	AS REQD.	INTERLOCK	6063-T5	-
7	ES-4007-1	AS REQD.	FEMALE ASTRAGAL	6063-T5	-
8	ES-4008	AS REQD.	TOP & BOTTOM RAIL STIFFENER	6063-T6	-
9	ES-4009	2/ PANEL	PANEL GUIDE (TOP ONLY)	CELCON	NOT SHOWN
10	ES-4010	2/ PANEL	RETAINER CLIP, 6" LONG	6063-T5	-
13	ES-4013	AS REQD.	GLAZING WEDGE	-	-
14	ES-4014	AS REQD.	BOTTOM RAIL GLASS STOP	NEOPRENE	-
14A	ES-4019	AS REQD.	SILICONE STOP	NEOPRENE	-
15	W23241NK	AS REQD.	STILE & JAMB W'STRIPPING	-	GLASS PANELS, ULTRAFAB
16	Q26647DK	AS REQD.	TOP RAIL W'STRIPPING	-	GLASS PANELS, ULTRAFAB
17	ES-4015	AS REQD.	BOTTOM RAIL W'STRIPPING	VINYL	GLASS PANELS
19	#10X1-1/4" PH SMS	8/ PANEL	PANEL ASSY SCREWS	-	GLASS PANELS
19A	#10X1" FH SMS	2/ CORNER	FRAME ASSY SCREWS	-	-
20	TA-35-1935-4281	2/ MOV. PANEL	GLASS PANEL ROLLER ASSY.	ST. STEEL	1-1/4" O.D. WHEELS
21	#10X1-1/4" PH SMS	1/ ROLLER	ROLLER INST. SCREWS	-	GLASS PANELS ONLY
23	2300-10SS	1/ MOV. PANEL	MORTISE LOCK	ST. STEEL	-
24	-	2/ LOCK	LOCK INSTALLATION SCREW	-	#6-32 X 1/2" FH MS, ST. STEEL
25	537	1/ LOCK	LOCK STRIKE PLATE	PLATED STEEL	-
26	#10 PH SMS	2/ LOCK	STRIKE PLATE MOUNT. SCREW	-	NOT SHOWN
27	#623Z	1/ LOCK	INTERIOR AND EXTERIOR PULL	-	(3) #6-32 X 1/2" FH MS, ST. STEEL
28	ES4028	AS REQD.	SILL RISER	6063-T5	-
29	ES-4017	2/ PANEL	FIXED PANEL CLIP (OUTSIDE PANEL)	6063-T5	-
29A	ES-4020	2/ PANEL	FIXED PANEL CLIP (INSIDE PANEL)	6063-T5	FOR OXO DOORS
30	#10X1/2" PH SMS	2/ CLIP	FIXED PANEL CLIP FASTENER	-	-
31	-	AS REQD.	1/4" X 1-1/2" REINFORCING BAR	STEEL	-
32	-	AS REQD.	1/2" X 1-1/2" REINFORCING BAR	STEEL	-
33	P38024FK	AS REQD.	3" LONG SELF ADHESIVE PILE PAD	WOOL	AT HEAD AND SILL
34	-	2/ SIDE	BUMPON	NEOPRENE	-

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 18557
C.A.N. 3538

APR 16 2008

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Acceptance No. 08-0417.03
Expiration Date 03/18/2009

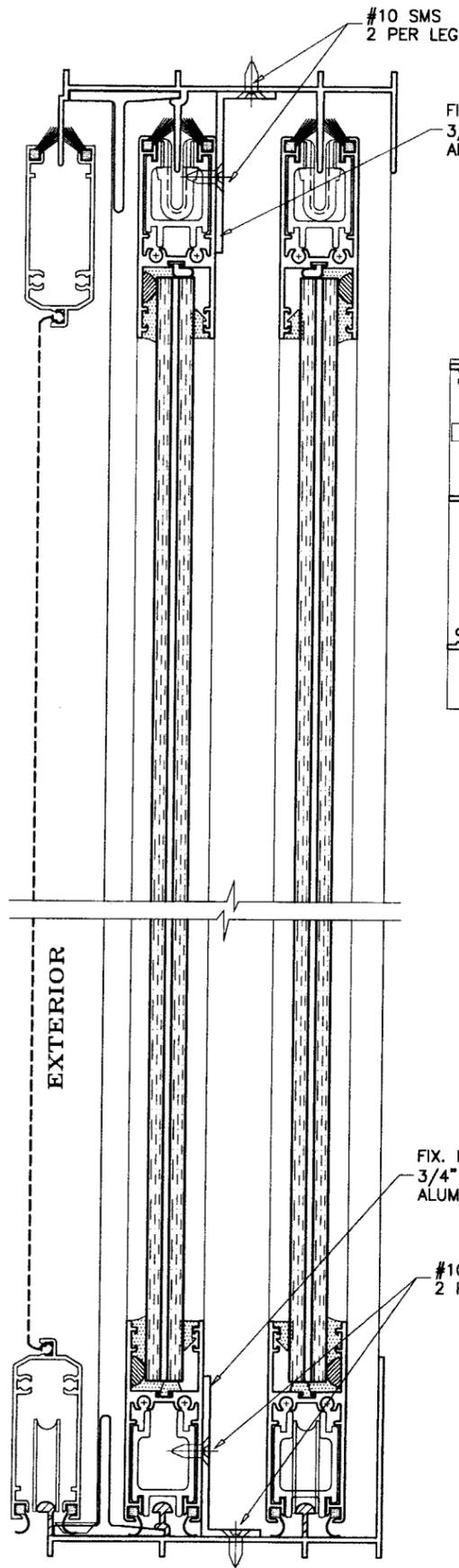
By: *[Signature]*
Miami Dade Product Control
Division

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W03-100ES

SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)
E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 640-9857 FAX. (305) 593-2074

no	date	description	by
A	01.22.04	NO CHANGE THIS SHEET	
B	11.02.04	HI-RISE SILL ADDED	
C	05.17.06	NO CHANGE THIS SHEET	
D	09.14.06	REV. PER BCCO COMMENTS	
E	02.15.08	BILL OF MATERIALS REV.	

date: 11-08-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no. **W03-100**
sheet 6 of 8



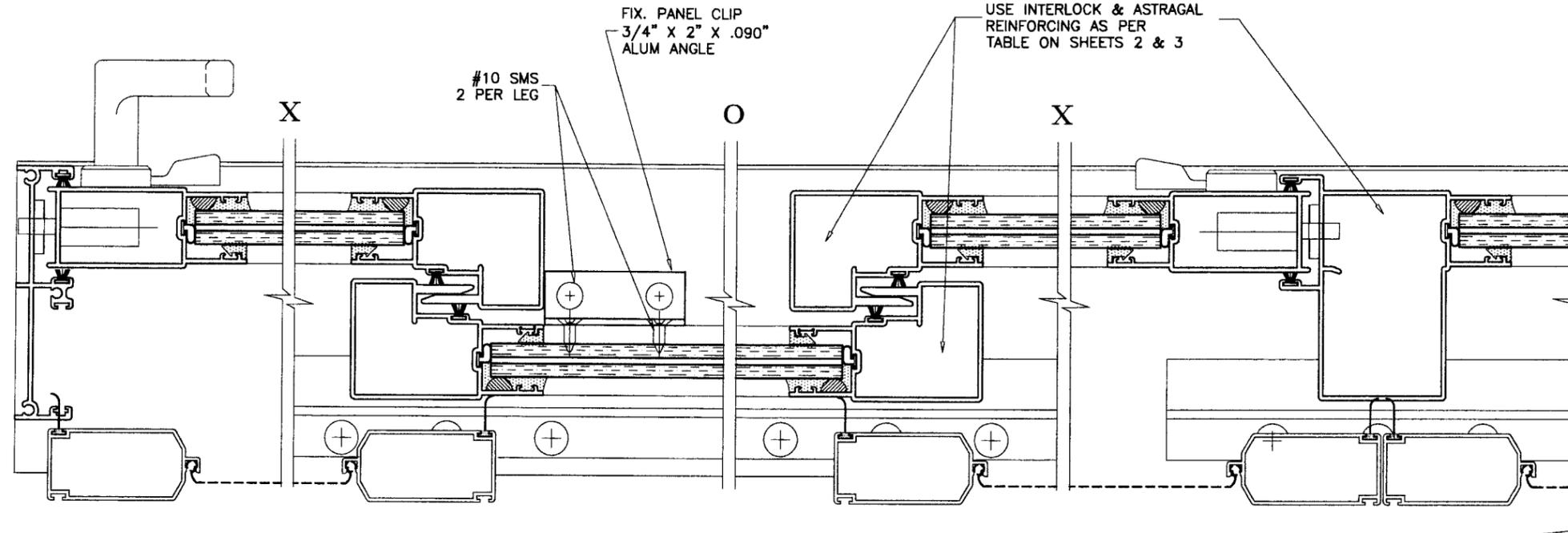
FIX. PANEL CLIP
3/4" X 2" X .090"
ALUM ANGLE

FIX. PANEL CLIP
3/4" X 2" X .090"
ALUM ANGLE

#10 SMS
2 PER LEG

#10 SMS
2 PER LEG

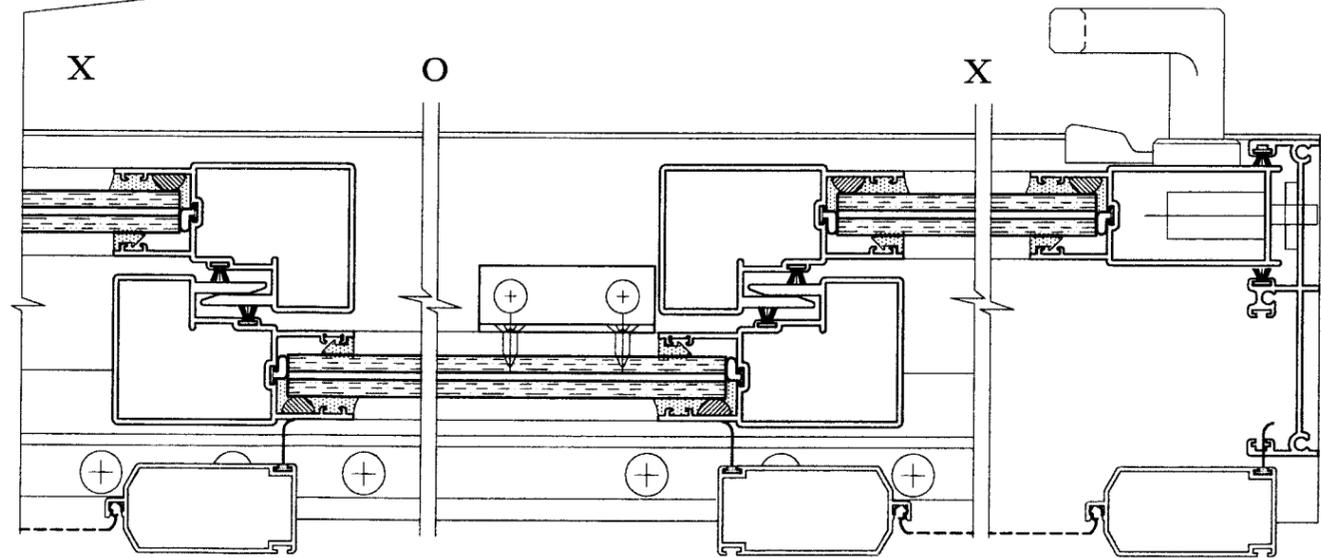
EXTERIOR



#10 SMS
2 PER LEG

FIX. PANEL CLIP
3/4" X 2" X .090"
ALUM ANGLE

NOTE:
USE INTERLOCK & ASTRAGAL
REINFORCING AS PER
TABLE ON SHEETS 2 & 3



XOXXOX CONFIGURATION

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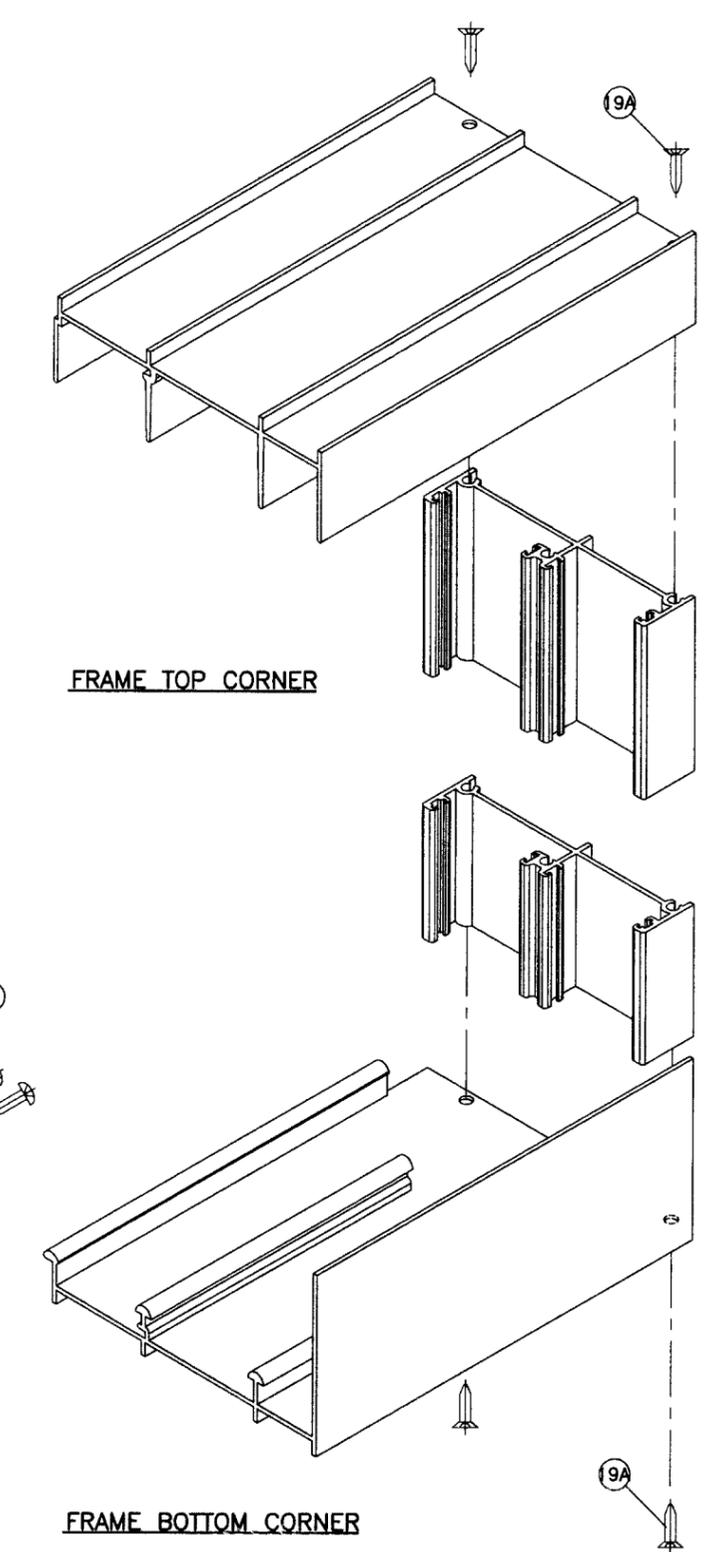
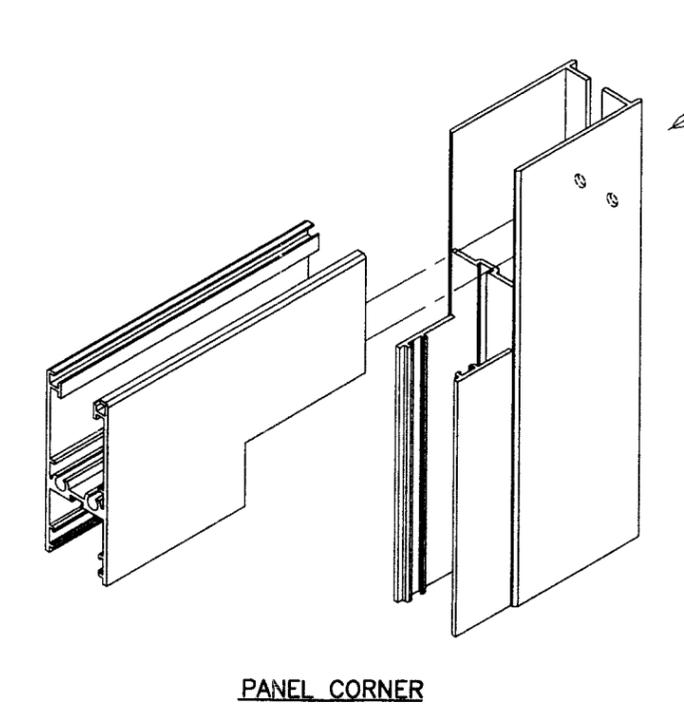
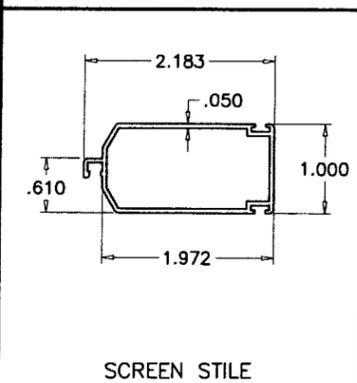
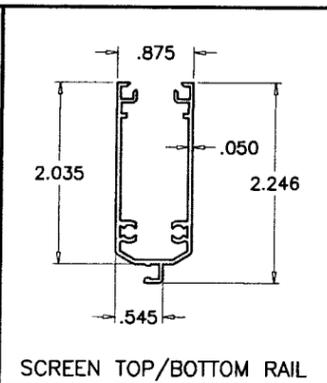
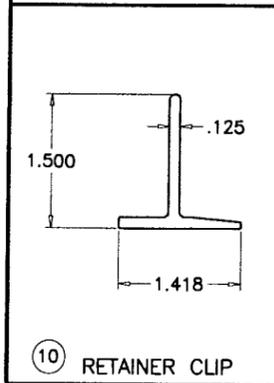
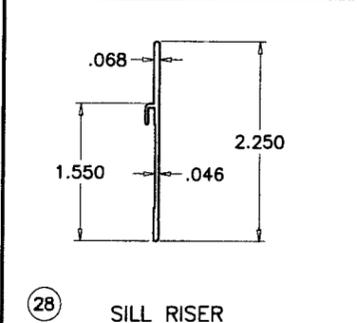
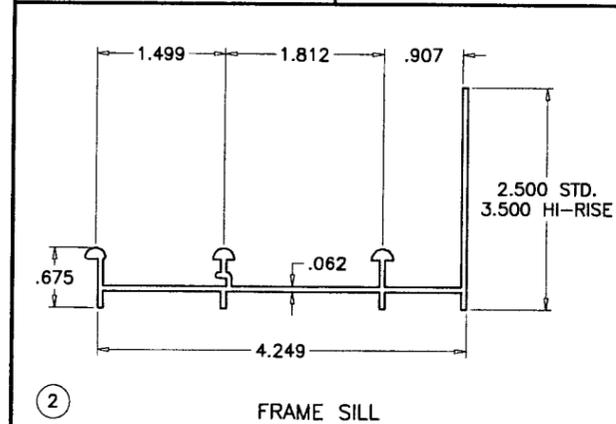
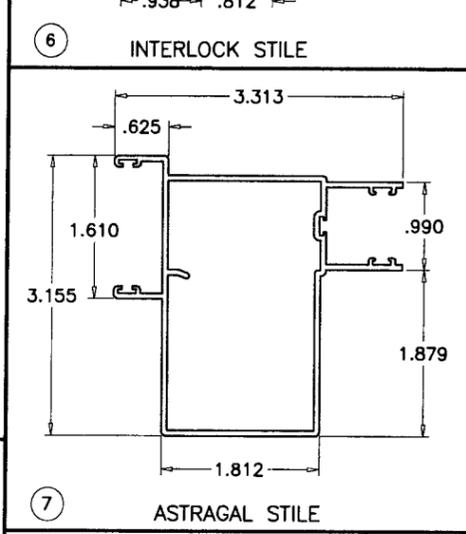
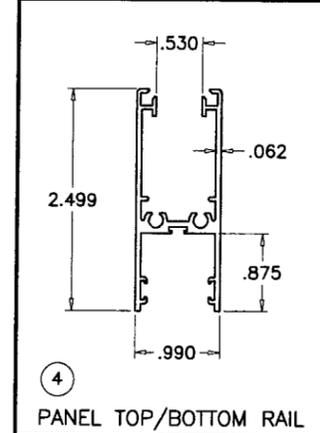
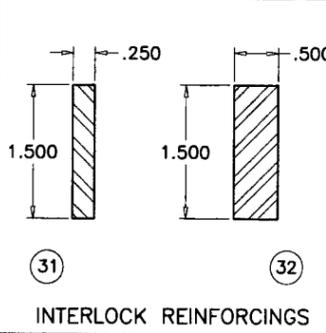
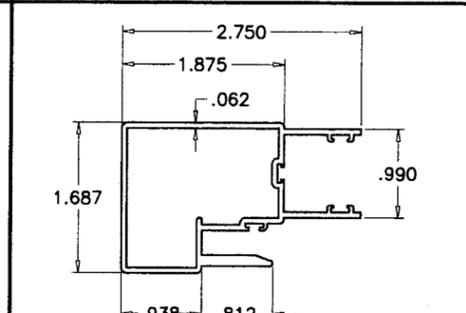
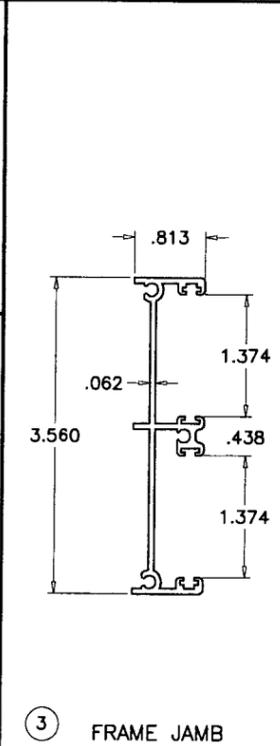
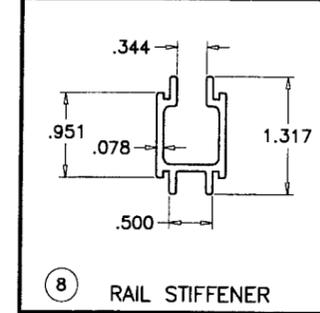
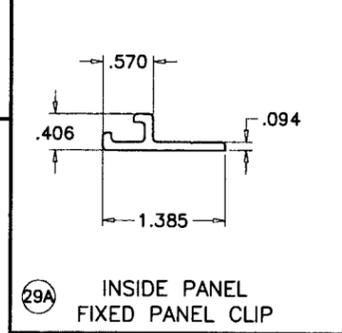
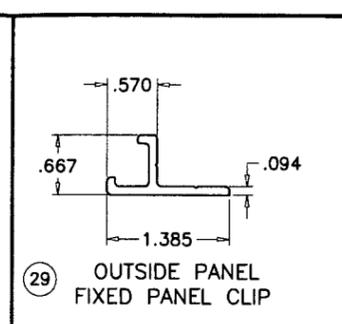
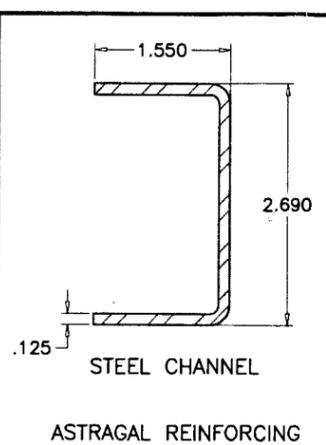
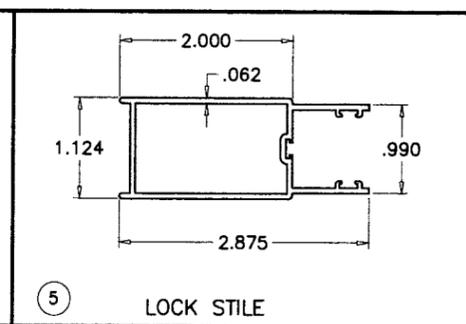
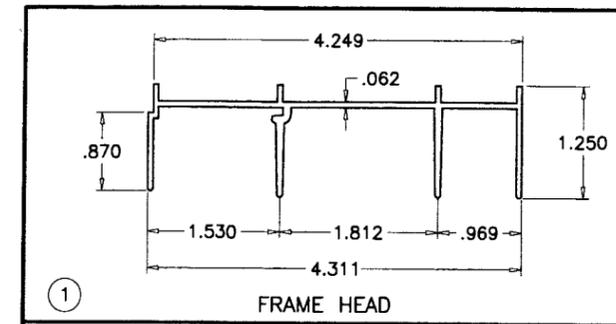
af c
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revisions:	no	date	by	description
	D	09.14.06		REV. PER BCCO COMMENTS
	E	10.2.15.08		NO CHANGE THIS SHEET

date: 11-08-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-100
sheet 7 of 8



Engr: DR. HUMAYOUN FAROOQ
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B	11.02.04	HI-RISE SILL ADDED
C	05.17.06	NO CHANGE THIS SHEET
D	09.14.06	REV. PER BCCO COMMENTS
E	02.15.08	CLIP ADDED

revisions:

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dr. by: HAMID
chk. by:

drawing no.
W03-100
sheet 8 of 8