



**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)

**Lawson Industries, Inc.
8501 NW 90th Street
Medley, FL 33166**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "8500" Aluminum Horizontal Rolling Window

APPROVAL DOCUMENT: Drawing No. W99-60, titled "Series-8500 Horiz. Rolling Window", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, Inc., dated 8/19/99 with revision on 12/9/02, 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: None

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 **renews and revises** NOA # 99-0830.03 and, consists of this page 1 as well as approval document mentioned above.

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



**NOA No 02-1216.14
Expiration Date: February 18, 2008
Approval Date: February 06, 2003
Page 1**

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W99-60**, titled "Series-8500 Horiz. Rolling Window", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, Inc., dated 8/19/99 with revision on 12/9/02, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

Submitted under NOA #99-0830.03

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of a series 8500 aluminum horizontal sliding window (XOX), prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2361**, dated July 12, 1999, signed and sealed by Jose D. Mitrani, P.E.

C. CALCULATIONS

1. Anchor calculations and comparative analysis, prepared by Al-Farooq Corporation, dated 12/10/02, signed and sealed by Humayoun Farooq, P.E.
Submitted under NOA #99-0830.03
2. Anchor calculations and comparative analysis, prepared by Al-Farooq Corporation, dated August 20, 1999, signed and sealed by Humayoun Farooq, P.E.

D. MATERIAL CERTIFICATIONS

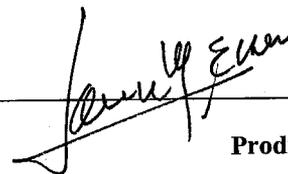
1. None

E. STATEMENTS

1. Statement letter of no change, issued by Lawson Industries, Inc., signed by Nelson Erazo, dated 12/13/02.

F. OTHER

1. Notice of Acceptance No. **99-0830.03**, issued to Lawson Industries, Inc. for their Series 8500 Aluminum Horizontal Rolling Window, approved on 2/18/00 and expiring on 2/18/03.

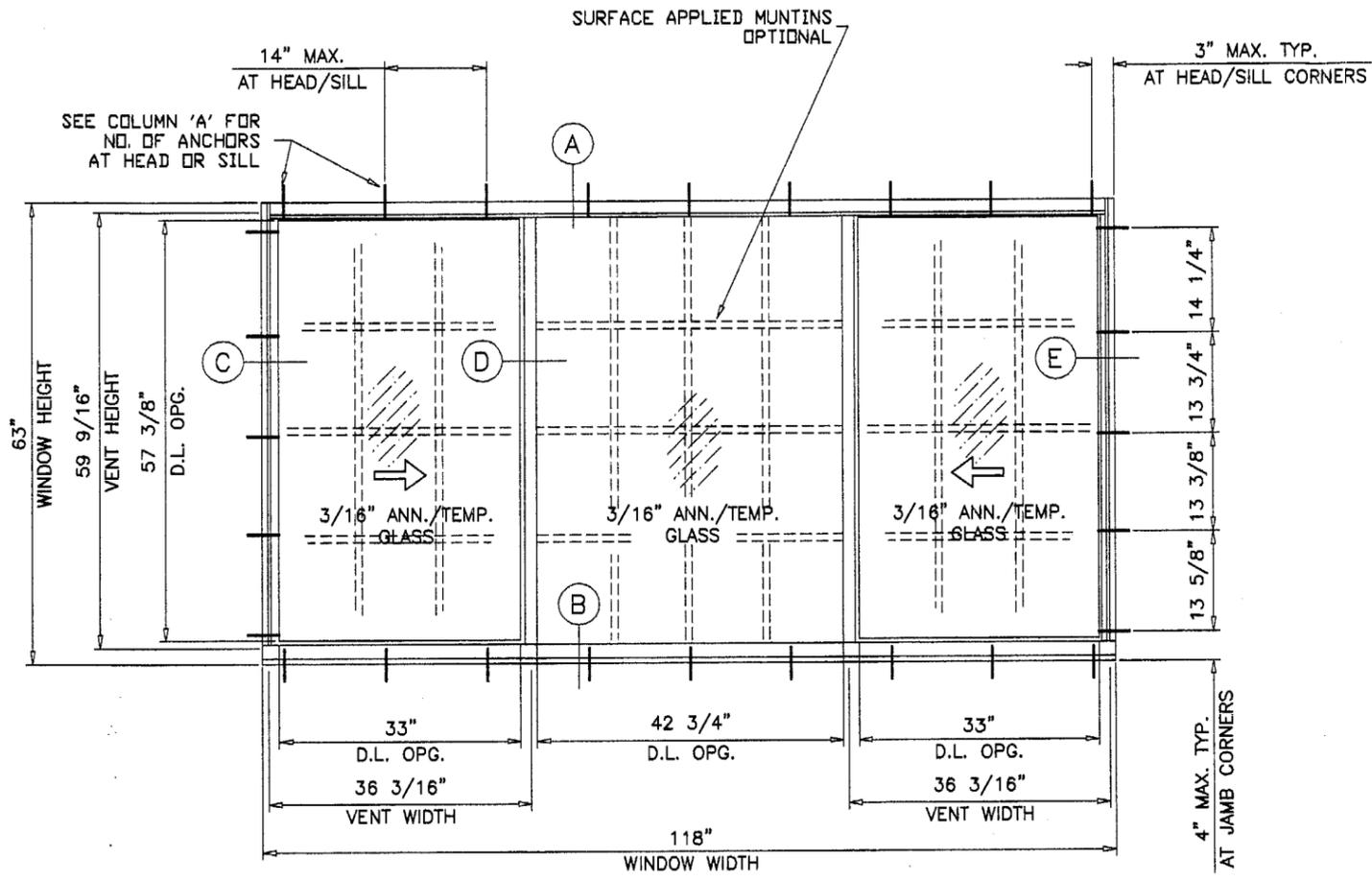


Jaime Eisen, P.E.
Product Control Division
NOA No 02-1216.14

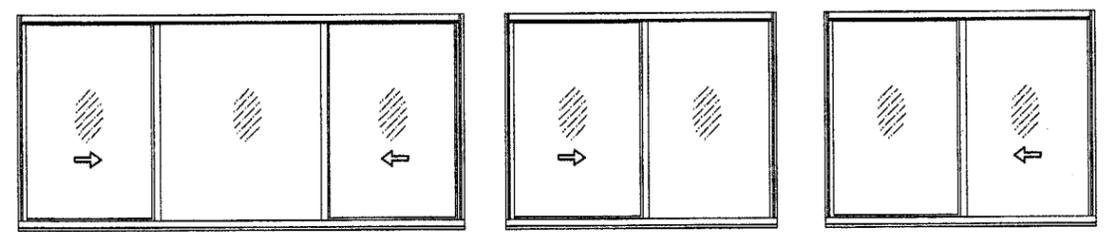
Expiration Date: February 18, 2008
Approval Date: February 06, 2003

revisions:	no	date	description
	A	12.09.02	ADDRESS REV. CHART REV. PER ASTM E-1300

date: 08-19-99	scale: 1/2" = 1"
dr. by: HAMID	chk. by:



TYPICAL ELEVATION
 TESTED UNIT



XOX
 FOR XOX SIZES VENT TO BE
 ±1/4 OF OVERALL WIDTH

XO **OX**
 FOR XO OR OX SIZES VENT AND
 FIXED GLASS TO BE EQUAL WIDTHS

APPROVED CONFIGURATIONS

WINDOWS TO BE PROTECTED BY
 DADE COUNTY APPROVED
 IMPACT RESISTANT SHUTTERS

NOTES:

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE. ALSO FOR WIND LOADS AS PER ASCE 7-88, ASCE 7-93, ASCE 7-95 OR ASCE 7-98 AS REQUIRED BY PREVAILING BUILDING CODE.
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.

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 DEC 11 2002

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 02-1216.14
 Expiration Date 02/18/08
 By: *[Signature]*
 Miami Product Control
 Division

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)										
WINDOW DIMS. WIDTH HEIGHT		A	3/16"-ANN. GLASS				3/16"-TEMP. GLASS			
			# 10 SMS		3/16" TAPCONS		1/4" TAPCONS		1/4" TAPCONS	
			EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
26-1/2'	26' (3)	3	60.0	103.5	60.0	125.0	60.0	125.0	60.0	125.0
37'		4	60.0	98.8	60.0	125.0	60.0	125.0	60.0	125.0
53-1/8'		5	60.0	86.0	60.0	125.0	60.0	125.0	60.0	125.0
74'		6	60.0	74.1	60.0	90.4	60.0	90.4	60.0	125.0
26-1/2'	38-3/8' (4)	3	60.0	70.1	60.0	113.2	60.0	125.0	60.0	125.0
37'		4	60.0	66.9	60.0	108.1	60.0	125.0	60.0	125.0
53-1/8'		5	60.0	58.3	60.0	83.8	60.0	83.8	60.0	125.0
74'		6	60.0	50.2	60.0	63.9	60.0	63.9	60.0	117.6
26-1/2'	50-5/8' (5)	3	60.0	53.1	60.0	85.8	60.0	125.0	60.0	125.0
37'		4	60.0	50.7	60.0	81.9	60.0	109.5	60.0	113.0
53-1/8'		5	60.0	44.2	60.0	62.3	60.0	62.3	60.0	87.2
74'		6	49.7	38.1	49.7	49.7	49.7	49.7	60.0	72.8
26-1/2'	63' (5)	3	60.0	42.7	60.0	68.9	60.0	105.1	60.0	105.1
37'		4	60.0	40.8	60.0	65.8	60.0	87.0	60.0	87.0
53-1/8'		5	48.7	35.5	48.7	48.7	48.7	48.7	60.0	65.5
74'		6	38.2	30.6	38.2	38.2	38.2	38.2	52.5	52.5
24'	24' (3)	3	60.0	123.8	60.0	125.0	60.0	125.0	60.0	125.0
36'		4	60.0	110.0	60.0	125.0	60.0	125.0	60.0	125.0
48'		4	60.0	82.5	60.0	125.0	60.0	125.0	60.0	125.0
60'		5	60.0	82.5	60.0	125.0	60.0	125.0	60.0	125.0
72'		6	60.0	82.5	60.0	103.3	60.0	103.3	60.0	125.0
24'		36' (3)	3	60.0	82.5	60.0	125.0	60.0	125.0	60.0
36'	4		60.0	73.3	60.0	118.4	60.0	125.0	60.0	125.0
48'	4		60.0	55.0	60.0	88.8	60.0	99.0	60.0	125.0
60'	5		60.0	55.0	60.0	79.6	60.0	79.6	60.0	125.0
72'	6		60.0	55.0	60.0	68.9	60.0	68.9	60.0	125.0
24'	48' (4)		3	60.0	61.9	60.0	99.9	60.0	121.4	60.0
36'		4	60.0	55.0	60.0	88.8	60.0	119.8	60.0	123.2
48'		4	60.0	41.3	60.0	66.6	60.0	73.0	60.0	100.1
60'		5	59.2	41.3	59.2	59.2	59.2	59.2	60.0	87.4
72'		6	53.0	41.3	53.0	53.0	53.0	53.0	60.0	80.1
24'		60' (5)	3	60.0	49.5	60.0	79.9	60.0	121.8	60.0
36'	4		60.0	44.0	60.0	71.0	60.0	94.2	60.0	94.2
48'	4		60.0	33.0	60.0	53.3	60.0	60.6	60.0	75.1
60'	5		44.6	33.0	44.6	44.6	44.6	44.6	60.0	64.1
72'	6		41.0	33.0	41.0	41.0	41.0	41.0	57.2	57.2

A = NO. OF ANCHORS PER HEAD & SILL
() = NO. OF ANCHORS PER JAMB

COMPARATIVE ANALYSIS CHARTS:

BASED ON TEST REPORT FTL-2361 DATED 7-12-99
TEST SIZE = 118" X 63" (XOX)
DESIGN LOADS = +50.0, -50.0 PSF
WATER INFILTRATION TEST = 8.0 PSF (SMALL BAFFLE)
= 9.0 PSF (LARGE BAFFLE)
TESTED GLASS = 3/16" ANNEALED

DESIGN LOAD CAPACITY - PSF (XOX SIZES)										
WINDOW DIMS. WIDTH HEIGHT		A	3/16"-ANN. GLASS				3/16"-TEMP. GLASS			
			# 10 SMS		3/16" TAPCONS		1/4" TAPCONS		1/4" TAPCONS	
			EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
74'	26' (3)	6	60.0	74.1	60.0	95.2	60.0	95.2	60.0	125.0
106-1/4'		9	60.0	65.8	60.0	65.8	60.0	65.8	60.0	125.0
74'	38-3/8' (4)	6	60.0	50.2	60.0	66.5	60.0	66.5	60.0	123.5
106-1/4'		9	47.8	47.8	47.8	47.8	47.8	47.8	60.0	123.3
74'	50-5/8' (5)	6	51.3	38.1	51.3	51.3	51.3	51.3	60.0	88.5
106-1/4'		9	40.0	39.8	40.0	40.0	40.0	40.0	60.0	76.1
74'	63' (5)	6	39.4	30.6	39.4	39.4	39.4	39.4	60.0	65.5
		9	32.9	31.9	32.9	32.9	32.9	32.9	53.1	53.1
84'	24' (3)	7	60.0	82.5	60.0	91.7	60.0	91.7	60.0	125.0
96'		8	60.0	81.8	60.0	81.8	60.0	81.8	60.0	125.0
108'		9	60.0	76.5	60.0	76.5	60.0	76.5	60.0	125.0
84'	36' (3)	7	60.0	55.0	60.0	62.3	60.0	62.3	60.0	125.0
96'		8	54.7	54.7	54.7	54.7	54.7	54.7	60.0	125.0
108'		9	46.8	46.8	46.8	46.8	46.8	46.8	60.0	125.0
84'	48' (4)	7	49.3	41.3	49.3	49.3	49.3	49.3	60.0	90.0
96'		8	48.2	41.3	48.2	48.2	48.2	48.2	60.0	85.8
108'		9	41.9	41.3	41.9	41.9	41.9	41.9	60.0	83.0
84'	60' (5)	7	41.9	33.0	41.9	41.9	41.9	41.9	60.0	64.6
96'		8	36.6	33.0	36.6	36.6	36.6	36.6	60.0	60.1
108'		9	33.9	33.0	33.9	33.9	33.9	33.9	57.0	57.0

A = NO. OF ANCHORS PER HEAD & SILL
() = NO. OF ANCHORS PER JAMB

EXTERIOR LOADS SHOWN ARE WITH 9.0 PSF BAFFLE.
WHEN 8.0 PSF BAFFLE IS USED REDUCE MAX. EXT.(+) LOADS TO 53.3 PSF.

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
DEC 11 2002

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 02-1216-14
Expiration Date 02/18/08
By: *[Signature]*
Miami Dade Product Control
Division

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL W99 - 60LI

LAWSON INDUSTRIES
8501 N.W. 90TH STREET
MEDLEY, FL. 33160
TEL. (305) 696-8660 FAX (305) 696-6006

SERIES-8500 HORIZ. ROLLING WINDOW

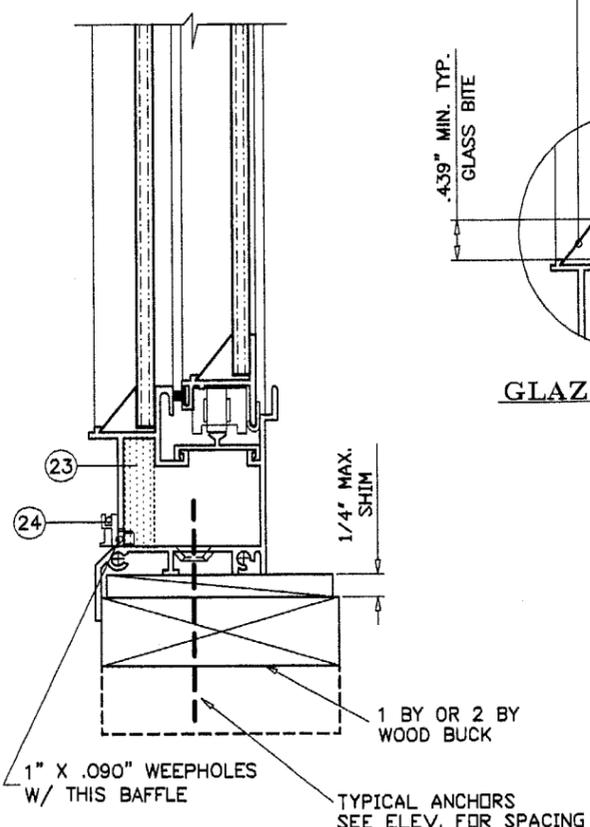
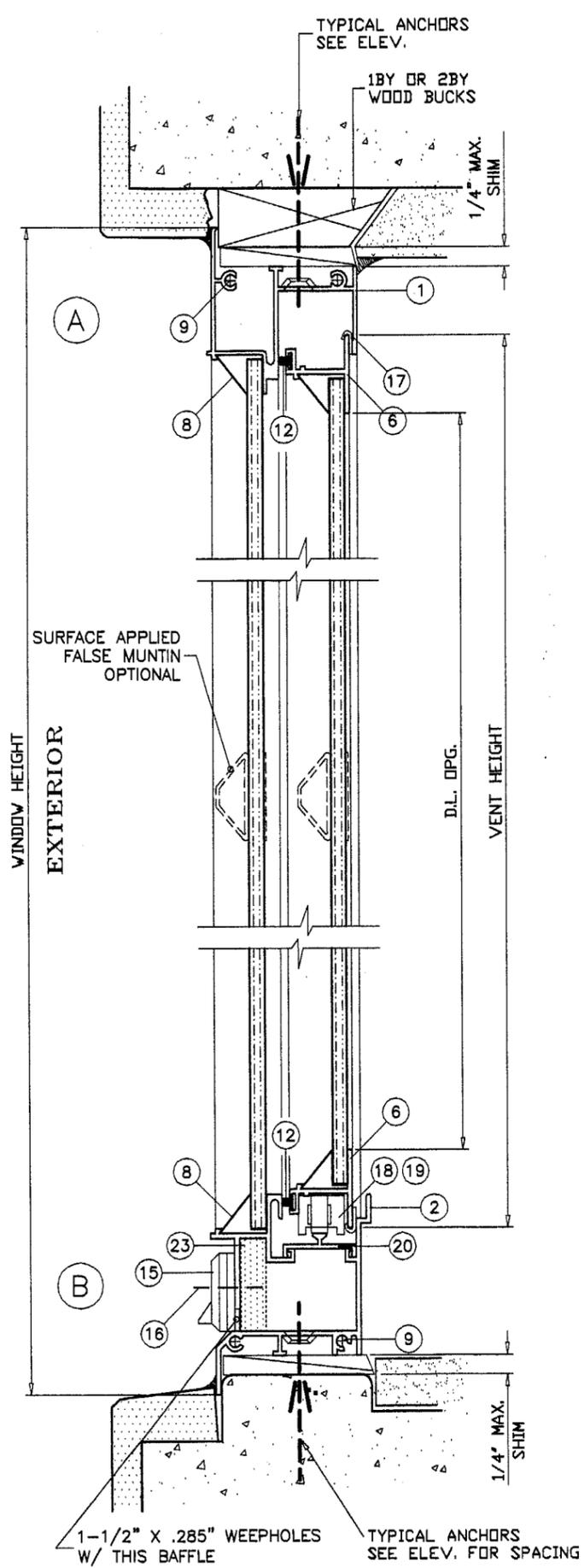
revisions:	no	date	description
	A	12.09.02	ADDRESS REV. CHART REV. PER ASTM E-1300

date: 08-19-99
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W99-60
sheet 2 of 5

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	L-7504	1	FRAME HEAD	6063-T5	-
2	L-8502	1	FRAME SILL	6063-T6	-
3	L-8503	2	FRAME JAMB	6063-T6	-
4	L-7508	1/ VENT	FIXED RAIL	6063-T6	-
5	L-7509	1/ VENT	VENT MEETING RAIL	6063-T6	-
6	L-7507	2/ VENT	TOP AND BOTTOM RAIL	6063-T6	-
7	L-7506	1/ VENT	JAMB STILE	6063-T6	-
8	L-767	AS REQD.	GLAZING BEAD	ALUMINUM	ROLL FORMED
9	FS-006	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	-	# 8 X 3/4" P.H. PHILLIPS SMS
10	-	2	FIX. RAIL SILL SCREWS (SILL END)	-	# 8 X 2" P.H. PHILLIPS SMS
11	L-770	AS REQD.	VENT JAMB RAIL W/STRIPPING	VINYL	1/4" DIA. BULB
12	PWS-003	AS REQD.	FIN SEAL WEATHERSTRIPPING	-	.187" X .210" (7820-6001-9)
13	PWS-005	AS REQD.	FIN SEAL WEATHERSTRIPPING	-	.187" X .350" (7834-6001-7)
14	PWS-004	AS REQD.	FIN SEAL WEATHERSTRIPPING	-	.187" X .310" (7930-6001-9)
15	WFC-001	1/ WEEP	BAFFLE	NYLON	-
16	-	2/ BAFFLE	BAFFLE SCREW	-	# 6 X 3/8" PH SMS
17	L-722	4/ VENT	VENT FACE GUIDE	PLASTIC	AT 2-7/8" FROM ENDS
18	L-763	4/ VENT	VENT ROLLER HOUSING	PLASTIC	AT EACH END
19	L-764	2/ VENT	VENT ROLLER/WHEEL	BRASS	-
20	L-8502-1	1	SILL TRACK INSERT	6063-T6	-
21	L-7539	2/ VENT	VENT LATCH	6063-T6	AT 12" FROM ENDS
22	L-7523	1/ LATCH	VENT LATCH SPRING	ST. STEEL	-
23	-	1/ WEEP	ADHESIVE BACK OPEN CELL FOAM	-	1/2" X 1-3/8" X 2" LONG
24	WFC-002	1/ WEEP	BAFFLE	NYLON	ALTERNATE TO (15)
25	-	4	ADHESIVE BACK CLOSED CELL FOAM	-	3/8" X 1/4" X 1/2" LONG

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



TYPICAL ANCHORS: SEE ELEV./CHART FOR SPACING INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 # 10 SMS OR
 3/16" TAPCONS OR
 1/4" TAPCONS
 1-1/4" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
 3/16" TAPCONS OR
 1/4" TAPCONS
 1-1/4" MIN. EMBED INTO MASONRY OR CONC.

SEALANTS:
 FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

WEEPHOLES:
 1-1/2" X .285" WEEPS WITH 9.0 PSF BAFFLE
 1" X .090" WEEPS WITH 8.0 PSF BAFFLE
 AT 3-1/2" AND 34-5/8" FROM EACH END OF FRAME

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

Handwritten signature and date: UEV 11/2002

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 02-1216.14
 Expiration Date 02/18/08

By *[Signature]*
 Miami Dade Product Control Division

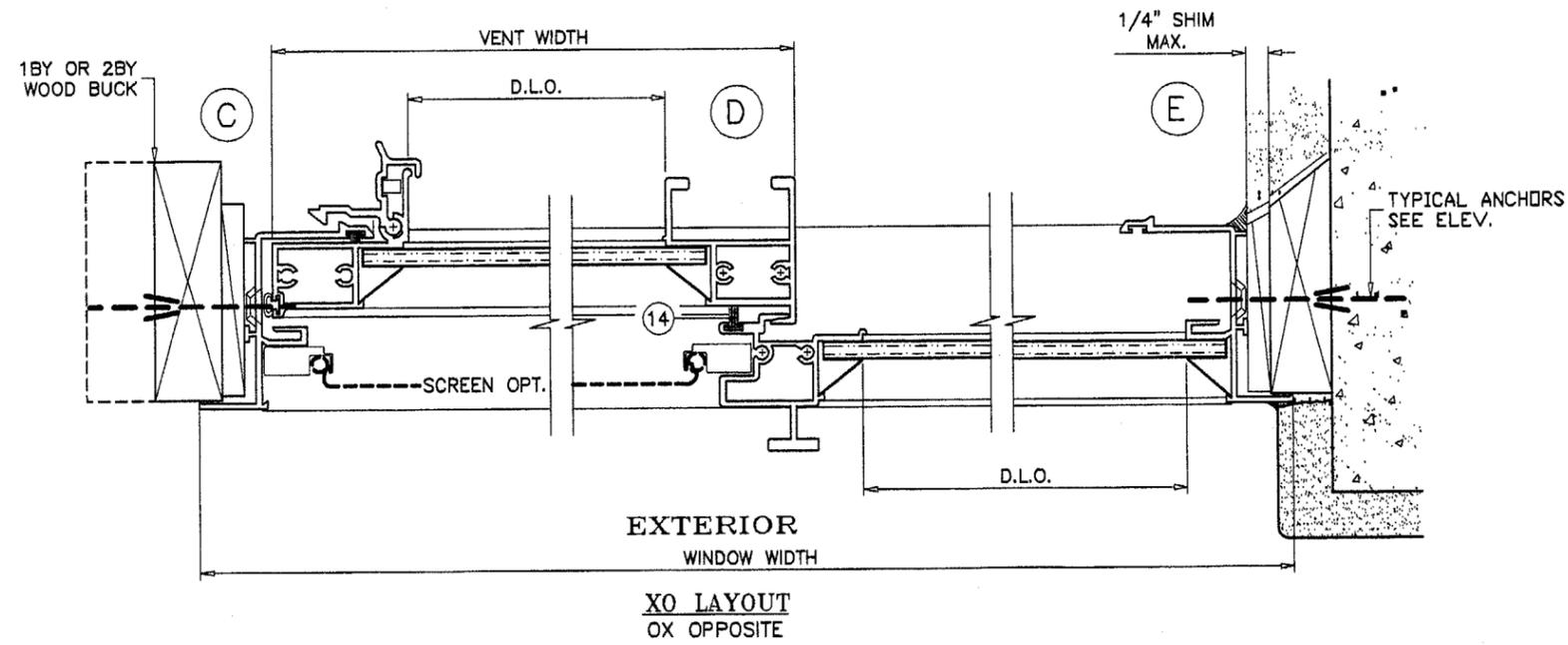
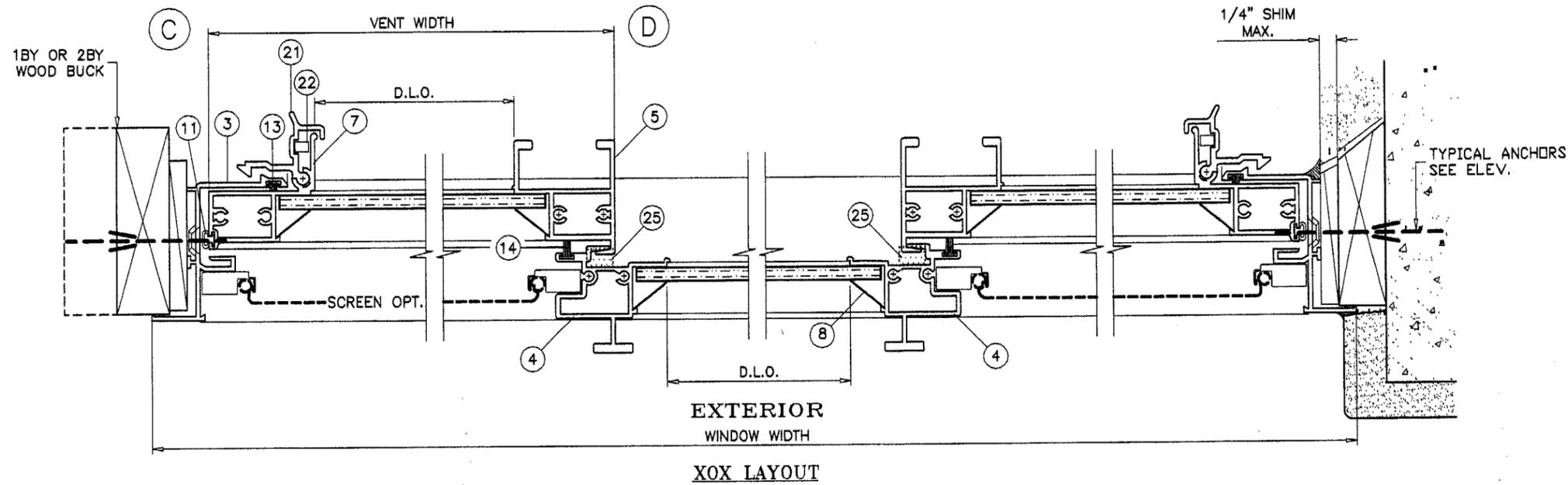
AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL (305) 264-8100 FAX (305) 262-6978
 COMP-ANI\W99-60LJ

LAWSON INDUSTRIES
 SERIES-8500 HORIZ. ROLLING WINDOW
 8501 N.W. 90TH STREET
 MEDLEY, FL. 33160
 TEL (305) 696-8660 FAX (305) 696-6006

revisions: by description
 no date ADDRESS REV.
 A 12.09.02

date: 08-19-99
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W99-60
 sheet 3 of 5



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

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Expiration Date 02/18/05

By *[Signature]*
Miami Dade Product Control
Division

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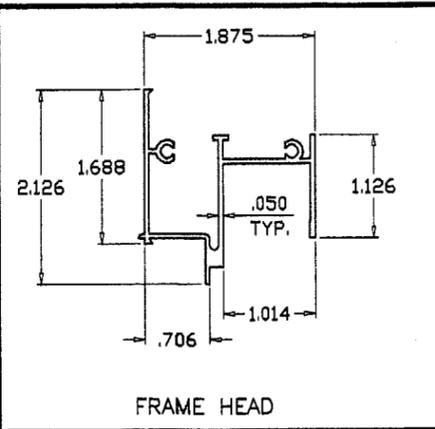
SERIES-8500 HORIZ. ROLLING WINDOW
LAWSON INDUSTRIES
8501 N.W. 90TH STREET
MEDLEY, FL. 33160
TEL. (305) 696-8660 FAX (305) 696-6006

no	date	by	description
A	12.09.02		ADDRESS REV.

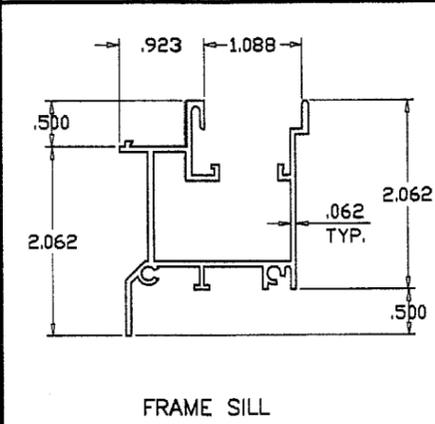
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drawing no.
W99-60
sheet 4 of 5

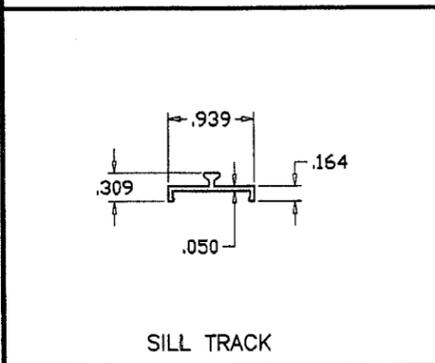
COMP-ANL W99-60LI



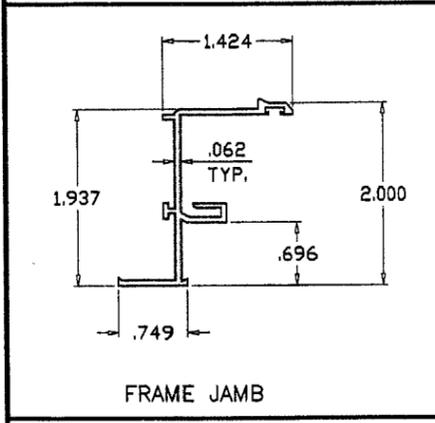
FRAME HEAD



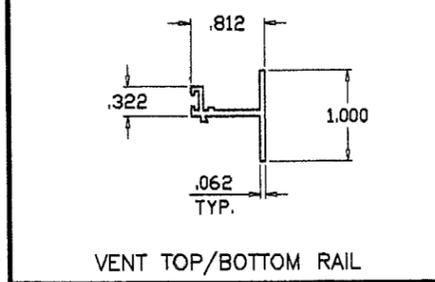
FRAME SILL



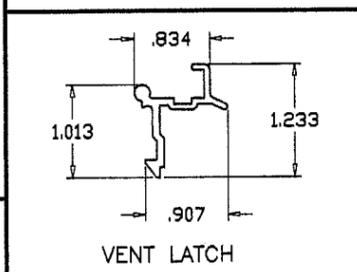
SILL TRACK



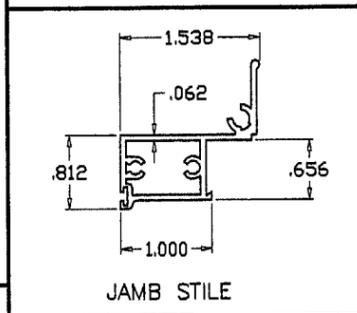
FRAME JAMB



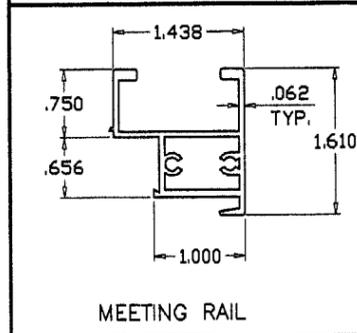
VENT TOP/BOTTOM RAIL



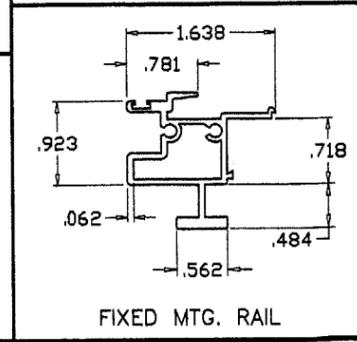
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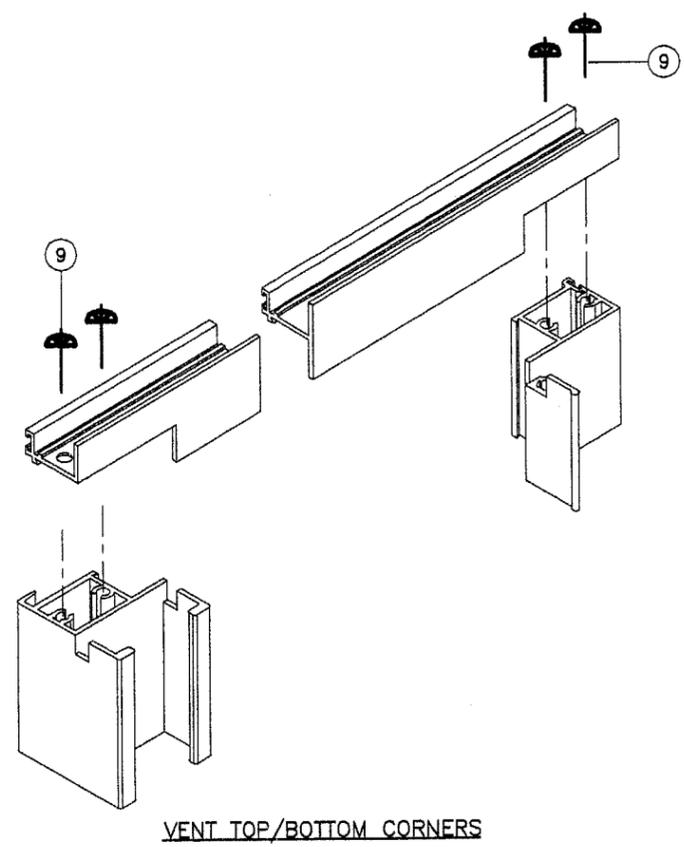
JAMB STILE



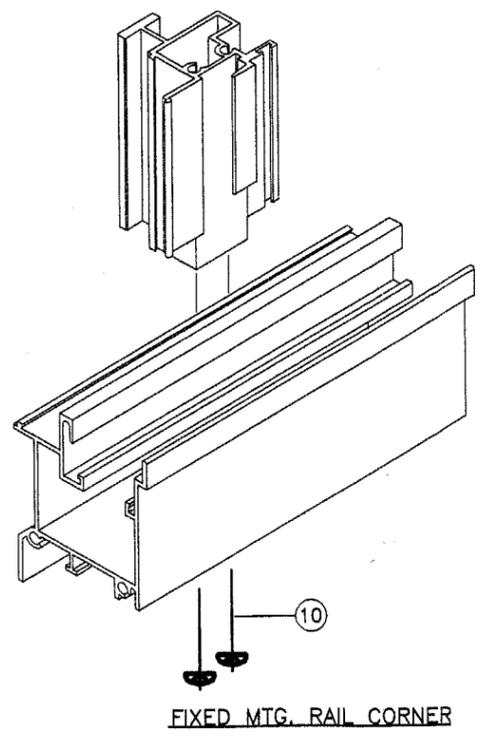
MEETING RAIL



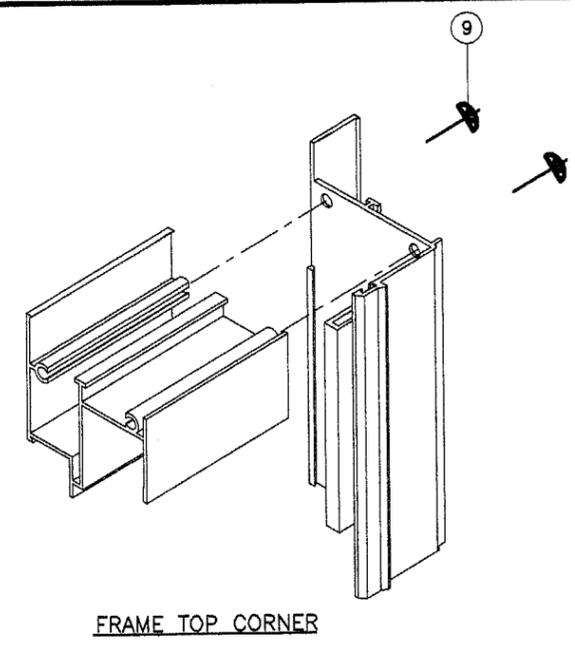
FIXED MTG. RAIL



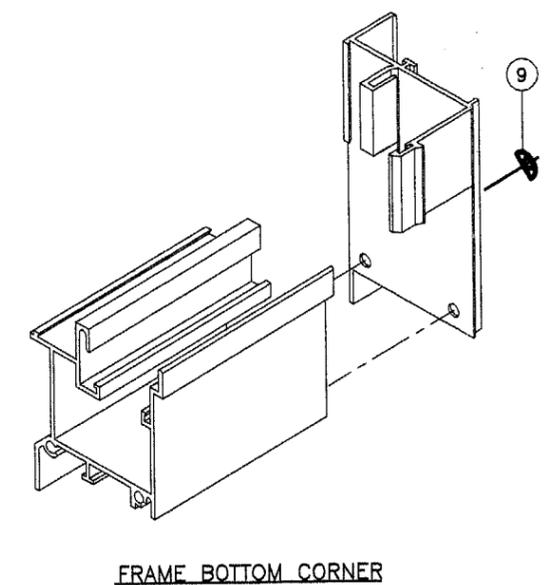
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
DEC 11 2002

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-1216.14
Expiration Date 02/18/08
By *[Signature]*
Miami Dade Product Control
Division

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AL-FAROOQ CORPORATION
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revisions:	no	date	by	description
	A	12.09.02		ADDRESS REV.

date: 08-19-99
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W99-60
sheet 5 of 5