

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidadecounty.gov/economy

ESR Impact System, LLC
12400 S.W. 134 Ct., Suite 8, Miami, FL. 33186

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 9000 Aluminum Outswing French Door w/ wo Transom-L.M.I.

APPROVAL DOCUMENT: Drawing No. **W 24-93D** (former **W08-66 Rev N**), titled "Series- 9000 Alum Outswing French Door (L.M.I.)", sheets 1 through 18 of 18, dated DEC 05, 2025, prepared by AL-Farooq Corporation, signed and sealed by Jalal 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 Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitations:

1. See sheets **2** thru **6** for Design Pressure charts for Single and/or Double door w/wo transom, glass, threshold type, lock type, hinges type and head, sill and jambs anchors. Lower Design Pressure shall apply to the entire assembly.
2. The Single Door w/ Transom is limited to Max. Design Pressure $DP = \pm 90$ PSF & Saddle threshold = ± 80 PSF.
3. Only Single Door w/ High Threshold option item **E-2B** (part # ES-9026) is rated for external Positive **+120 PSF**, Water Resistant Rating, all other thresholds, including item **E-2D** (part # ES9000-036) are not rated for water Resistant Ratings (See sheets **8 & 9**).
4. When doors are mullied to ES 8000 or 9500 series separate Storefront System NOA(s), lower design pressure of doors w/wo transom or storefront shall control for entire system, AHJ to review tributary end load and installations.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Barranquilla, Columbia, SA and series 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 # 23-0724.12 (DA Energia Solar, S.A. & PLA ES Windows, LLC)** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5 & E-6, as well as approval document mentioned above.

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



2/17/25

NOA No. 24-1219.03
Expiration Date: December 24, 2028
Approval Date: February 13, 2025
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files # below)
2. Drawing No. **W08-66 Rev G**, titled "Series- 9000 Alum Outswing French Door (L.M.I.)", sheets 1 through 10.1 of 10.1, dated 07-14-08 and last revised on FEB 27, 2012, prepared by AL-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS (Submitted under file #12-0306.07 / #10-0301.03)

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(Not performed)
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, TAS 202-94

Along with marked-up drawings and installation diagram of an Alum. Outswing Entrance Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5554**, dated 05/10/08, signed and sealed by Carlos S. Rionda, P.E.

2. Test reports on: 1) Uniform Static Air Pressure Test,
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings of an Alum. Outswing Entrance Door, prepared by FTL, Inc., Test Report No. **FTL-5556**, dtd 04/27/08, signed and sealed by Carlos S. Rionda, P.E.

3. Additional Test reports along with marked-up Dwg. of a single (X) aluminum outswing door per TAS 201, 202 (Full) and 203-94, issued by Fenestration Testing lab, Inc., Test Report No. **FTL-5992**, dtd 09/09/09, reissued on 2/2/11 signed & sealed by Marlin D. Brinson, P. E.

C. CALCULATIONS

1. Anchor verification calculations & structural analysis, complying with FBC-2014, prepared by Al-Farooq Corp., dated 05/29/15 and last revised on 03/14/16, signed & sealed by Javad Ahmad, P.E.
2. Glazing complies w/ ASTM E-1300-02 -04 & -09.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11**, issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Sentry Glass ® interlayer", expiring on 01/14/17.
2. Notice of Acceptance No. **14-0916.10**, issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite PVB, Interlayer", expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014 (5th edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 03/06/16, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test report

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 24-1219.03
Expiration Date: December 24, 2028
Approval Date: February 13, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER

1. This NOA **revises** NOA # **13-0617.29**, expiring 12/24/18.
2. Distribution agreement ES Windows-Energia Solar, S.A. and ES Windows, LLC, dated 10/20/10, signed by Ms. Carla G. Torrente and Andres Chamorro respectively.
3. Test proposals # **07-4070** & **09-0165**, approved by BCCO.

2. Evidence submitted under previous approval.

A. DRAWINGS

1. Drawing No. **W08-66 Rev L**, titled "Series- 9000 Alum Outswing French Door (L.M.I.)", sheets 1 through 18 of 18, dated 07-14-08 and last revised on JUL 27, 2018, prepared by AL-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS (Revised)

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(Not performed)
 - 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, TAS 202-94

Along with marked-up drawings and installation diagram of X & XX Alum. Outswing Entrance Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7242**, dated 05/03/13, signed and sealed by Idalmis Ortega, P.E.

(This test report revised and issued by Fenestration testing on 05/21/18, signed and sealed by Idalmis Ortega, 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(Not performed)
 - 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, TAS 202-94

Along with marked-up drawings of X and XX Alum. Outswing Entrance Door, prepared by Blackwater Testing Inc., Test Report No. **BT-ESW-17-020**, dated 06/14/178, signed and sealed by Constantin Bortes, P.E.

C. CALCULATIONS

1. Anchor verification calculations & structural analysis, complying with FBC 2017 (6th edition), prepared by Al-Farooq Corp., dated 03/16/18 and last revised on 07/27/18, signed & sealed by Javad Ahmad, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 24-1219.03
Expiration Date: December 24, 2028
Approval Date: February 13, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted (continue):

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the “**Sentry Glass ® Interlayer**”, expiring on 07/4/23.
2. Notice of Acceptance No. **16-117.01** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the “Kuraray Trofossil Ultra clear and color PVB Interlayer (Former Kuraray **Butacite ® PVB interlayer**)”, expiring on 07/08/19.

F. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 02/21/18, signed and sealed by Javad Ahmad, P.E.
2. Distribution agreement between ES Windows, LLC (distributor) and Energia Solar, S.A, (manufacturer, dated 08/01/18, signed by MS. Carla Garcia (MGR) and Ms. Evelyn Deas (MGR) respectively.

G. OTHER

1. This NOA **revises & renews NOA # 15-0602.09**, expiring 12/24/23.
2. Test proposal dated 12/20/12 approved by Jaime D. Gascon, P.E.
3. Reference PLA files # 18-0314.07 (Mr. Glass Doors & windows) and #18-0412.05 (Sunshine Windows).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 24-1219.03
Expiration Date: December 24, 2028
Approval Date: February 13, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted.

A. DRAWINGS

1. Drawing No. **W08-66 Rev M**, titled "Series- 9000 Alum Outswing French Door (L.M.I.)", sheets 1 through 18 of 18, dated 07-14-08 and last revised on APR 15, 2022, prepared by AL-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

Note: This Revision consists of FBC 2020 (7th Edition) and addition of non-Water rating Medium Threshold, **E-2D** (part # ES9000-036) and anchors update.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations & structural analysis, complying with FBC 2020 (7th edition), prepared by Al-Farooq Corp., 04/15/2022, signed & sealed by Jalal Farooq, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for the "**Sentry Glass ® Interlayer**", expiring on 07/4/23.
2. Notice of Acceptance No. **20-0915.21** issued to **Kuraray America, Inc.** (Former E.I. DuPont DE Nemours & Co., Inc. for the "Kuraray Trofossil Ultra clear and color PVB Interlayer (Former Kuraray **Butacite ® PVB interlayer**)", expiring on 02/08/23.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 04/15/22, signed and sealed by Jalal Farooq, P.E.

G. OTHER

1. This NOA revises **NOA # 18-0319.09**, expiring 12/24/23.
2. Distribution agreement between ES Windows, LLC (distributor) and Energia Solar, S.A, (manufacturer, dated 08/01/18, signed by MS. Carla Garcia (MGR) and Ms. Evelyn Deas (MGR) respectively (submitted under previous approvals).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 24-1219.03
Expiration Date: December 24, 2028
Approval Date: February 13, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence submitted under previous approval.

A. DRAWINGS

1. Drawing No. **W08-66 Rev N**, titled "Series- 9000 Alum Outswing French Door (L.M.I.)", sheets 1 through 18 of 18, dated 07-14-08 and last revised on JUL 10, 2023, prepared by AL-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/15/22, expiring on 07/04/28.

F. STATEMENTS

1. Statement letter of conformance to FBC 2023 (**8th** Edition), prepared by Al Farooq Corporation, dated 07/19/23, signed and sealed by Jalal Farooq, P.E.

G. OTHER

1. This NOA revises **NOA # 19-0708.04** and updates to FBC 2023, expiring 12/24/23.
2. Distribution agreement between ES Windows, LLC (distributor) and Energia Solar, S.A, (manufacturer, dated 08/01/18, signed by MS. Carla Garcia (MGR) and Ms. Evelyn Deas (MGR) respectively (submitted under previous approvals).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 24-1219.03
Expiration Date: December 24, 2028
Approval Date: February 13, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. New Evidence submitted.

A. DRAWINGS

1. Drawing No. **W 24-93D** (former **W08-66 Rev N**), titled "Series- 9000 Alum Outswing French Door (L.M.I.)", sheets 1 through 18 of 18, dated DEC 05, 2025, prepared by AL-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS (submitted under previous approvals)

1. None.

C. CALCULATIONS (submitted under previous approvals)

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

2. Notice of Acceptance No. **24-0205.06** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 11/19/20, expiring on 07/08/29.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/15/22, expiring on 07/04/28.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated 11/26/24, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E
2. Statement letter of conformance to FBC 2023 (**8th** Edition), prepared by Al Farooq Corporation, dated 07/19/23, signed and sealed by Jalal Farooq, P.E. (submitted under previous approvals).
3. Distribution Agreement dated JAN 22, 2025, between Energia Solar SA, Barranquilla, Columbia and ESR Impact System, LLC, Miami, USA, signed by Andrea Zanbrano, General Counsel and Raul Losada, President, on behalf of their companies.
4. Private Label agreement as is filed as part of application, retained as part of documentation.
5. Distribution agreement between ES Windows, LLC (distributor) and Energia Solar, S.A, (manufacturer, dated 08/01/18, signed by MS. Carla Garcia (MGR) and Ms. Evelyn Deas (MGR) respectively (submitted under previous approvals).

G. OTHER

1. This NOA **revises NOA #23-0724.12 (PVT ES Windows, LLC & DA Energia Solar, S.A.)**, expiring 12/24/2028.
2. Notice of Acceptance No. **23-0724.12**, issued to E. S. Windows, LLC, expiring 12/24/28.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 24-1219.03
Expiration Date: December 24, 2028
Approval Date: February 13, 2025

SERIES 9000

ALUMINUM OUTSWING ENTRANCE DOOR

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF SINGLE DOORS WITH OR WITHOUT TRANSOMS.

SEE SHEETS 3 & 4 FOR DESIGN LOAD CAPACITY OF DOUBLE DOORS WITH OR WITHOUT TRANSOMS.

SEE SHEET 5 FOR DESIGN LOAD CAPACITY OF SINGLE AND DOUBLE DOORS WITHOUT TRANSOMS WITH ADDITIONAL OPTIONS.

SEE SHEET 6 FOR DESIGN LOAD CAPACITY OF SINGLE DOORS WITHOUT TRANSOMS WITH HIGHER LOAD CAPACITY.

DOORS CAN ALSO BE USED WITH ESR IMPACT SYS. SERIES 8000 OR SERIES 9500 STOREFRONT SYSTEMS UNDER SEPARATE NOA. DOOR MULLION ATTACHMENT, END LOAD AND CAPACITY TO BE REVIEWED BY BUILDING OFFICIAL.

DOUBLE DOORS NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.
SINGLE DOORS WITH STD., SADDLE AND MEDIUM THRESHOLDS NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.
SINGLE DOORS USING ES-9026 (HIGH THRESHOLD) ARE APPROVED FOR WATER INFILTRATION RESISTANCE.
SEE SHEETS 8 & 9 FOR DETAILS.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

GLASS D.L.O. DIMS.

D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.250" (STD. THRESHOLD)
D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.625" (SADDLE THRESHOLD)
D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.750" (MEDIUM & HIGH THRESHOLD)
D.L.O. WIDTH (DOOR) = FRAME WIDTH - 14.0625"

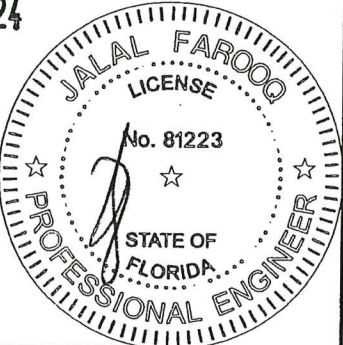
D.L.O. HEIGHT (TRANSOM) = FRAME HEIGHT - 5.125"
D.L.O. WIDTH (TRANSOM) = FRAME WIDTH - 7"

LEAF HEIGHT = FRAME HEIGHT - 2.938" (STD. THRESHOLD)
LEAF HEIGHT = FRAME HEIGHT - 2.563" (SADDLE THRESHOLD)
LEAF HEIGHT = FRAME HEIGHT - 2.438" (MEDIUM & HIGH THRESHOLD)
LEAF WIDTH = FRAME WIDTH - 5.188"

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

DEC 05 2024

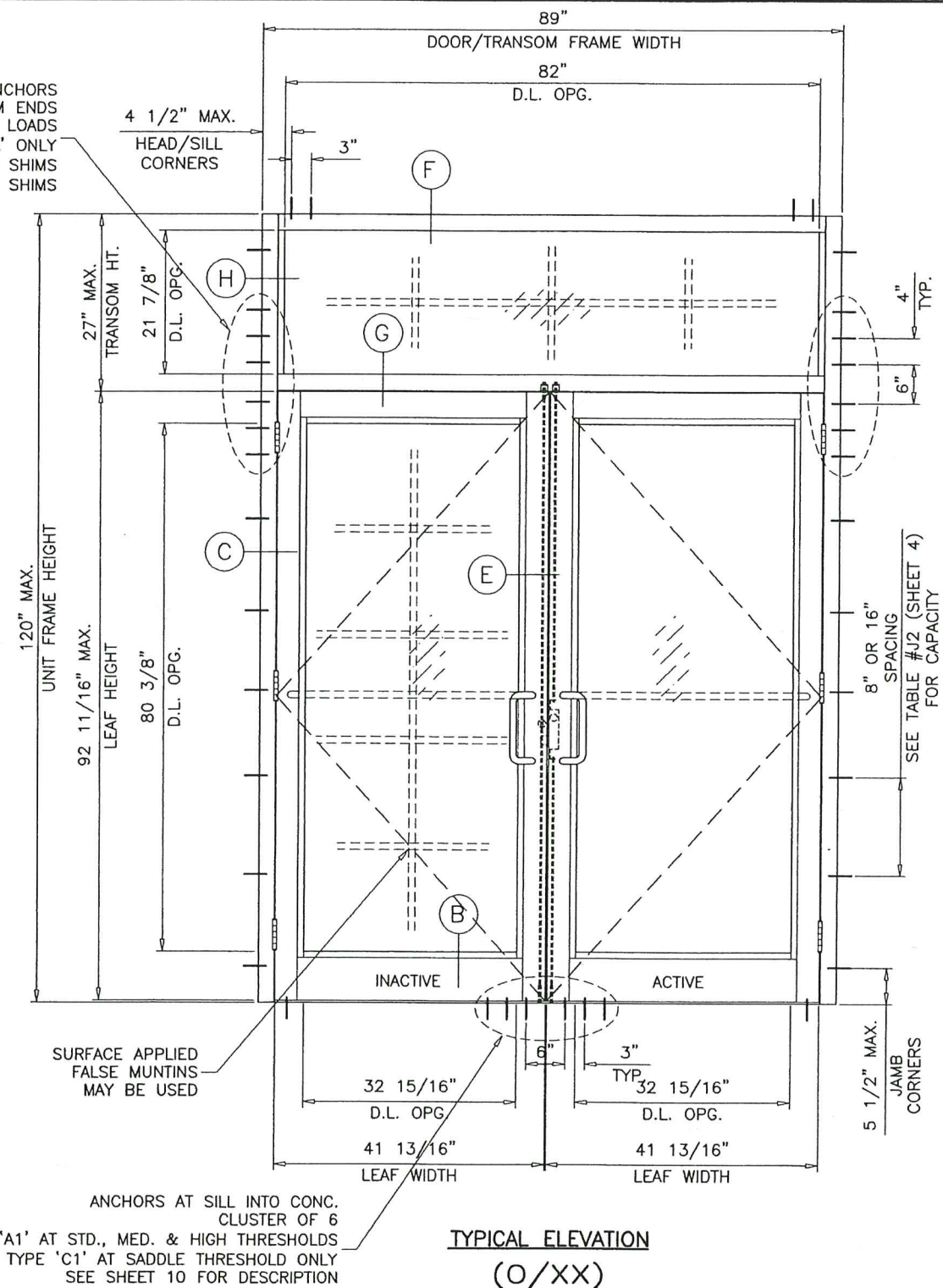
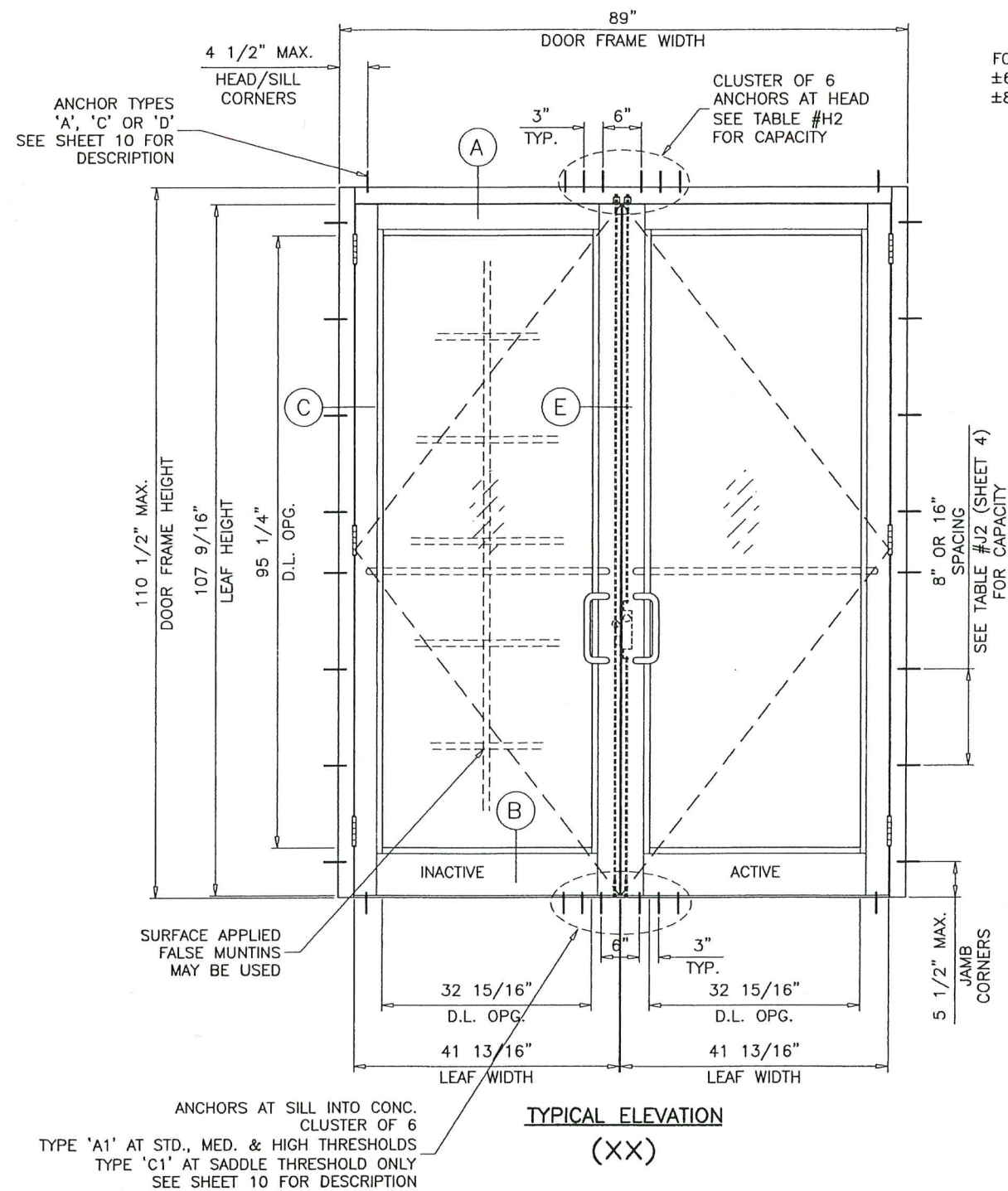
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-1219-03
Expiration Date 12/24/28
By Ishay L. Lander
Miami Dade Product Control



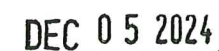
revisions:		date		by		description	
12-03-24		scale: -		dr. by: TARIQ		chk. by:	
drawing no.		24-93D		sheet		1 of 18	

SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)	
ESR Impact System LLC.	
12400 S.W. 134th Court, Suite 8	
Miami, FL 33186	
Phone: (305) 489-1608	
www.-	

AL-FAROOQ CORPORATION	
ENGINEERS & PRODUCT DEVELOPMENT	
9360 SUNSET DRIVE, SUITE 220	
MIAMI, FLORIDA 33173	
TEL (305) 264-8100	
WWW.AFCENG.COM	
FBPE #3538	
COMP-ANL\24-93D-ESR	



SEE CHARTS ON SHEET 4 FOR DOUBLE DOOR AND TRANSOM LOAD CAPACITY



SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

AL-FAROOQ CORPORATION

COMP-ANL\24-93D-FSR

- FOR GLASS TYPE, LOCK AND HINGE OPTIONS
OBTAIN LOAD CAPACITIES FROM TABLE #D2.
- SELECT THRESHOLD TYPE TO BE USED.
NON WATER RATED FOR DOUBLE DOORS
(STANDARD, SADDLE, MEDIUM OR HIGH THRESHOLD)
- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN
LOAD CAPACITIES FROM TABLE #J2.
SEE ELEVATION ON SHEET 3 FOR TRANSOM END ANCHORS.
(MIN. 6 ANCHORS REQD. IN ALL CASES)
- FOR HEAD ANCHORS, TYPE/SHIMSPACE OBTAIN
LOAD CAPACITIES FROM TABLE #H2.
THE LOWEST VALUES FROM STEPS 1, 2, 3
AND 4 WILL GOVERN.

TABLE #D2		DOORS LOAD CAPACITY - PSF DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX)						
		GLASS		LOCKS			HINGES	
DOOR DIMS.		TYPE 'A'	TYPE 'B'/'C'	OPTION #1	OPTION #2	OPTION #3	OPTION #1	OPTION #2
FRAME WIDTH	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
89"	98-1/2"	80.0	90.0	80.0	90.0	90.0	80.0	90.0
89"	110-1/2"	80.0	80.0	80.0	80.0	80.0	80.0	90.0

DOUBLE DOORS WITH SADDLE THRESHOLD LIMITED TO +80.0, -80.0 PSF
SEE SHEET 7 FOR GLASS TYPES DESCRIPTION
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

TABLE #J2		JAMB ANCHORS LOAD CAPACITY - PSF (NOT APPLICABLE AT TRANSOM ENDS SEE NOTE 3) DOUBLE DOORS WITHOUT TRANSOM (XX) OR WITH TRANSOM (0/XX)													
DOOR DIMS.		1/4" SHIM SPACE						3/8" SHIM SPACE				1/2" SHIM SPACE			
		SPACING AT 16" O.C.			SPACING AT 8" O.C.			AT 16" O.C.		AT 8" O.C.		AT 16" O.C.		AT 8" O.C.	
		ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'D'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'D'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'	ANCHOR 'C'
FRAME WIDTH	FRAME HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
75"	110-1/2"	90.0	90.0	90.0	90.0	90.0	90.0	88.0	90.0	90.0	90.0	68.4	90.0	90.0	90.0
89"	110-1/2"	90.0	88.7	90.0	90.0	90.0	90.0	74.2	88.7	90.0	90.0	57.7	83.3	90.0	90.0

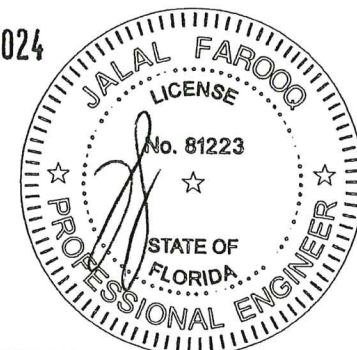
TABLE #H2		HEAD ANCHORS LOAD CAPACITY - PSF DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX)						
		1/4" SHIM SPACE			3/8" SHIM SPACE		1/2" SHIM SPACE	
DOOR DIMS.		ANCHOR TYPE 'A'	ANCHOR TYPE 'C'	ANCHOR TYPE 'D'	ANCHOR TYPE 'A'	ANCHOR TYPE 'C'	ANCHOR TYPE 'A'	ANCHOR TYPE 'C'
FRAME WIDTH	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
75"	98-1/2"	90.0	90.0	90.0	85.8	90.0	66.7	90.0
89"		90.0	90.0	90.0	72.3	90.0	56.2	81.2
75"	110-1/2"	90.0	90.0	90.0	76.5	90.0	59.5	85.9
89"		90.0	90.0	90.0	64.4	90.0	50.1	72.3

SILL ANCHORS DESIGN LOAD CAPACITY ALL SIZES = ± 90.0 PSF (STD., MEDIUM & HIGH THRESHOLDS)
= ± 80.0 PSF (SADDLE THRESHOLD)

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED
as complying with the Fla.
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Expiration Date 12/24/28
By Isabel L. Chandra
Miami Dade Product Control

DEC 05 2024



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538
COMP-ANL\24-93D-ESR

SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

ESR Impact System LLC.
12400 S.W. 134th Court, Suite 8
Miami, FL 33186
Phone: (305) 489-1608 [www. —](http://www.esr.com)

drawing no.		revisions:	
24-93D			
sheet 4 of 18			
date: 12-03-24		no	date by description
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dr. by: TARIQ			
chk. by:			

**SINGLE OR DOUBLE DOORS WITHOUT TRANSOMS
USE CHARTS AS FOLLOWS
FOR THE CORRESPONDING DOOR SIZE**

- 1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS
OBTAIN LOAD CAPACITIES FROM TABLE #D3.
 - 2- THESE DOORS APPROVED WITH STD. THRESHOLD ONLY.
 - 3- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN
LOAD CAPACITIES FROM TABLE #J3.
 - 4- FOR HEAD ANCHORS, TYPE/SHIMSPACE OBTAIN
LOAD CAPACITIES FROM TABLE #H3.
- THE LOWEST VALUES FROM STEPS 1, 3 AND 4
WILL GOVERN.

TABLE #D3 DOORS LOAD CAPACITY - PSF SINGLE(X) OR DOUBLE(X) DOORS WITHOUT TRANSOM				
SINGLE DOOR(X) DIMS.		DOUBLE DOOR(X) DIMS.		GLASS TYPE 'A.1'
FRAME WIDTH	FRAME HEIGHT	FRAME WIDTH	FRAME HEIGHT	LOCKS OPTION #3
40-1/4"	99"	75-1/2"	99"	HINGES OPTION #2.1
				EXT. (+) INT. (-)
				105.3

SEE SHEET 7 FOR GLASS TYPES DESCRIPTION
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

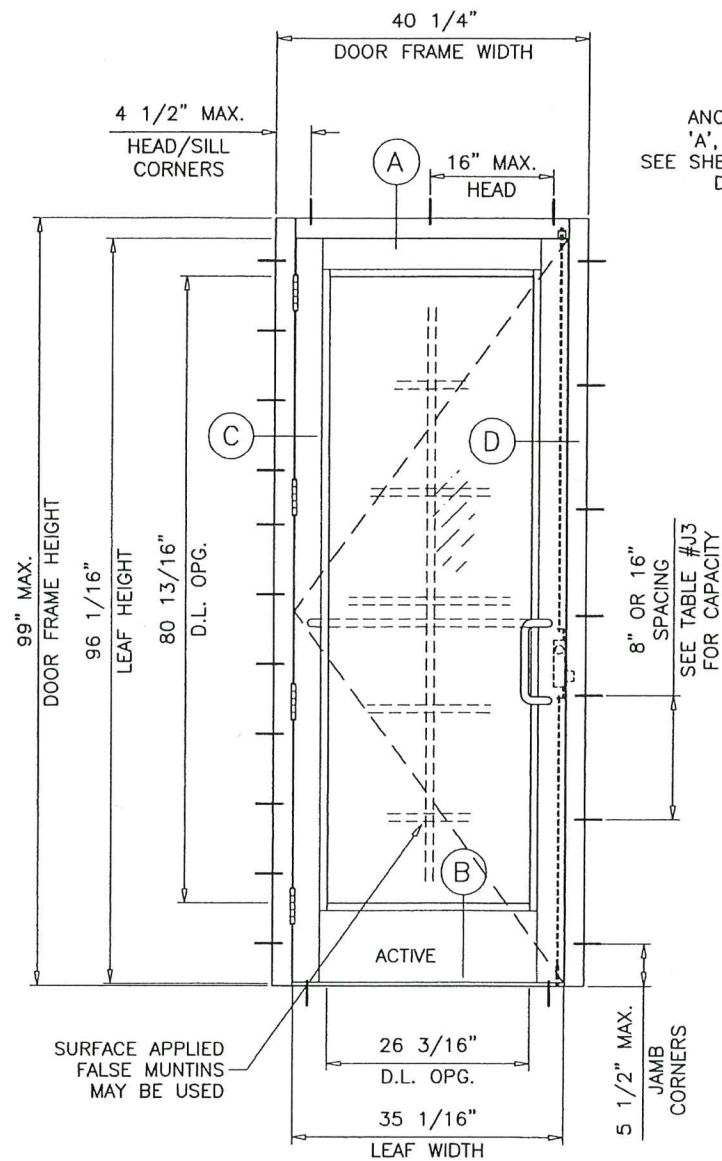
TABLE #J3 JAMB ANCHORS LOAD CAPACITY - PSF SINGLE(X) DOUBLE(X) DOORS WITHOUT TRANSOM									
SINGLE DOOR(X) DIMS.		DOUBLE DOOR(X) DIMS.		1/4" SHIM SPACE		3/8" SHIM SPACE		1/2" SHIM SPACE	
				SPACING AT 16" O.C.		AT 16"		AT 8" O.C.	
				ANCHOR 'A', 'C' & 'D'		ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A' & 'C'	
FRAME WIDTH	FRAME HEIGHT	FRAME WIDTH	FRAME HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
40-1/4"	99"	75-1/2"	99"	105.3	82.0	105.3	105.3	63.8	92.1

SEE SHEET 10 FOR ANCHOR DESCRIPTION

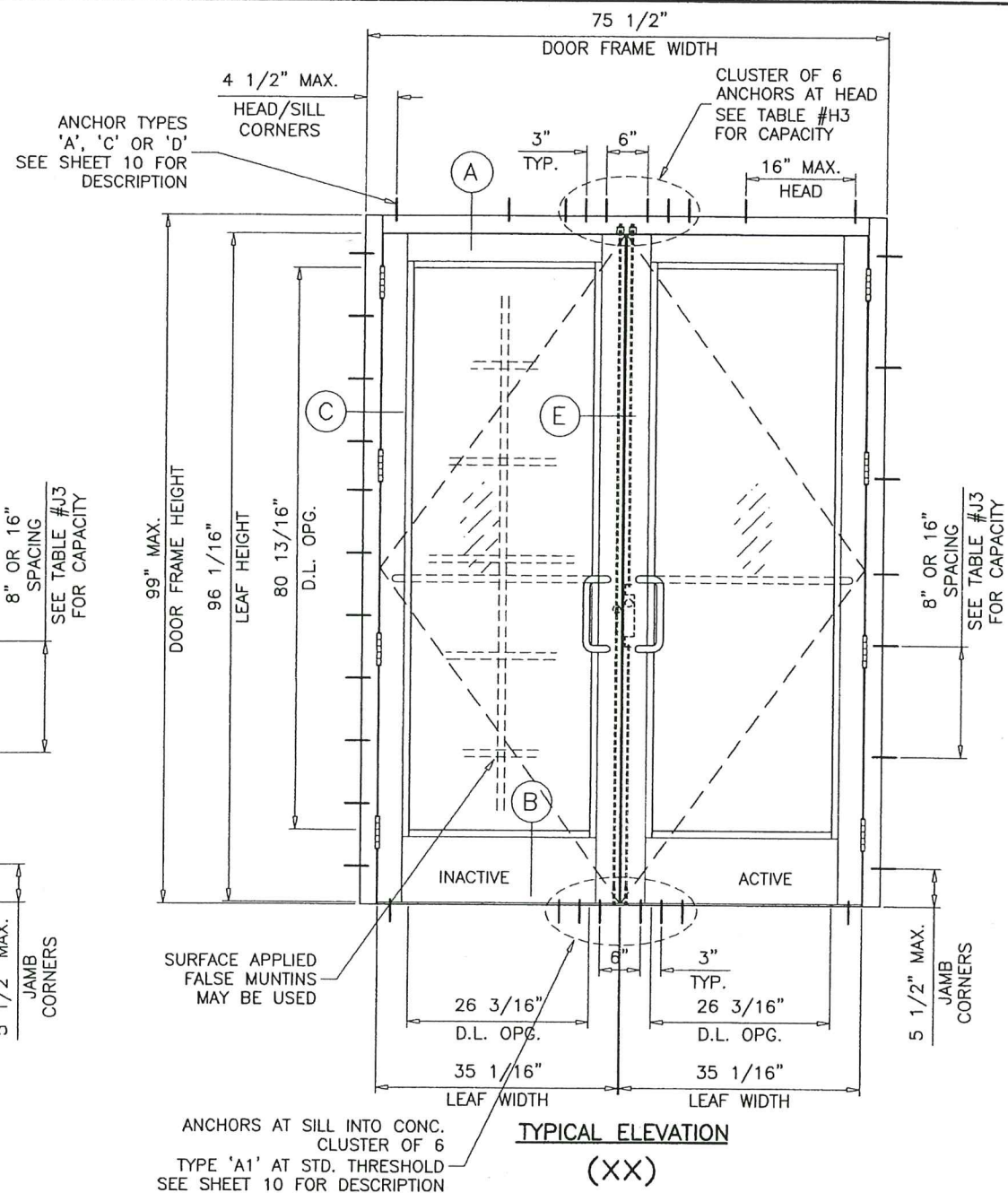
TABLE #H3 HEAD ANCHORS LOAD CAPACITY - PSF DOUBLE DOOR WITHOUT TRANSOM(X)					
DOOR DIMS.		1/4" SHIM SPACE		3/8" SHIM SPACE	
		ANCHOR 'A', 'C' & 'D'		ANCHOR TYPE 'A'	ANCHOR TYPE 'C'
FRAME WIDTH	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
75-1/2"	99"	105.3	98.9	105.3	76.9

SEE SHEET 10 FOR ANCHOR DESCRIPTION

SILL ANCHORS DESIGN LOAD CAPACITY ALL SIZES = ± 105.3 PSF (STD. THRESHOLD)



**TYPICAL ELEVATION
(X)**

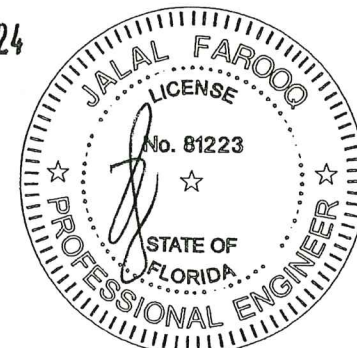


**TYPICAL ELEVATION
(XX)**

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By Ishag I. Khawaja
Miami Dade Product Control

NOTE:
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538

SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)
ESR Impact System LLC.
12400 S.W. 134th Court, Suite 8
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Phone: (305) 489-1608
www.-

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drawing no.		24-93D	
sheet 5 of 18			

**SINGLE DOORS WITHOUT TRANSOMS
USE CHARTS AS FOLLOWS
FOR THE CORRESPONDING DOOR SIZE**

- 1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS OBTAIN LOAD CAPACITIES FROM TABLES #D4.
- 2- THESE DOORS APPROVED WITH STD. THRESHOLD ONLY.
- 3- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN LOAD CAPACITIES FROM TABLE #J4.

THE LOWEST VALUES FROM STEPS 1 AND 3 WILL GOVERN.

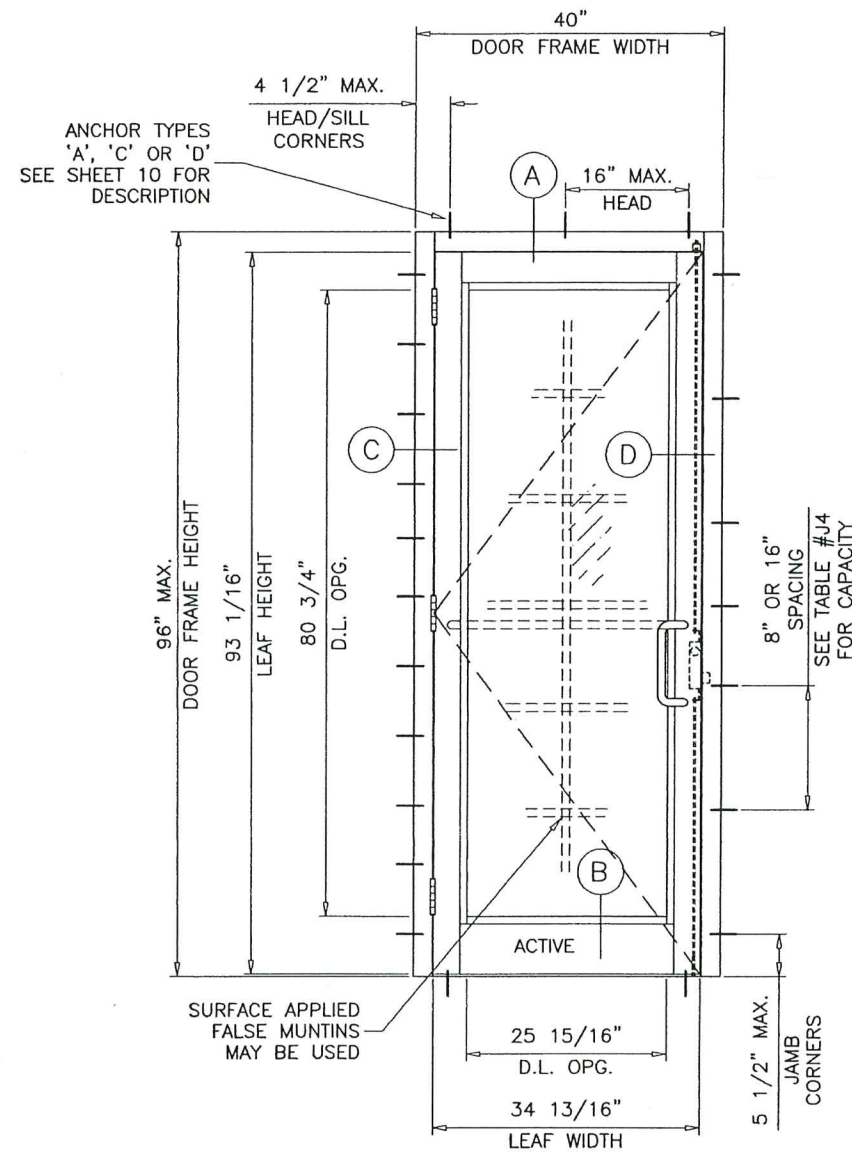
TABLE #D4		DOORS LOAD CAPACITY - PSF SINGLE(X) DOORS WITHOUT TRANSOM					
SINGLE DOOR(X) DIMS.		GLASS		LOCKS		HINGES	
		TYPE 'B.1'		OPTION #3		OPTION #2	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
40"	96"	120.0	130.0	120.0	130.0	120.0	130.0

SEE SHEET 7 FOR GLASS TYPES DESCRIPTION
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

TABLE #J4		JAMB ANCHORS LOAD CAPACITY - PSF SINGLE(X) DOORS WITHOUT TRANSOM									
SINGLE DOOR(X) DIMS.		1/4" SHIM SPACE			3/8" SHIM SPACE			1/2" SHIM SPACE			
		AT 16" O.C.			SPACING AT 8" O.C.			AT 16"		AT 8" O.C.	
		ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'D'	ANCHOR 'A', 'C' & 'D'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A' & 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A' & 'C'
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	EXT.(+)	EXT.(+)	EXT.(+)	EXT.(+)	EXT.(+)	EXT.(+)	EXT.(+)	EXT.(+)	EXT.(+)
40"	96"	112.5	130.0	130.0	130.0	82.5	117.5	130.0	64.2	92.7	128.3

SEE SHEET 10 FOR ANCHOR DESCRIPTION

SILL ANCHORS DESIGN LOAD CAPACITY = ± 130.0 PSF (STD. THRESHOLD)



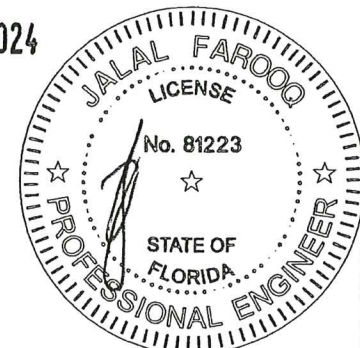
**TYPICAL ELEVATION
(X)**

DOORS WITH SERIES-9500 FRAMES ONLY.

NOTE:
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Miami Dade Product Control

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MIAMI, FLORIDA 33173
TEL (305) 264-8100
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FBPE #9538

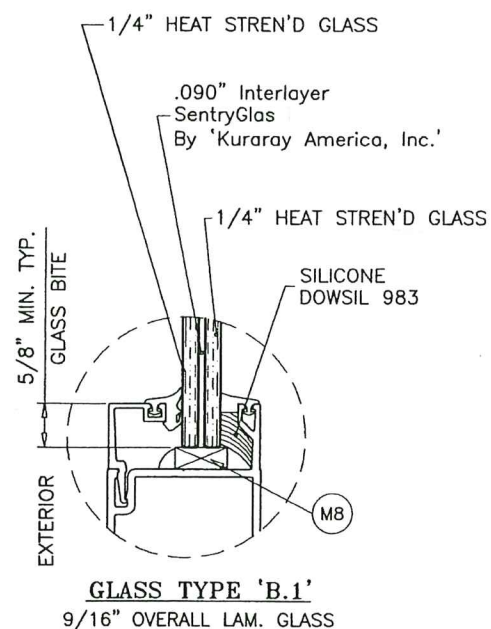
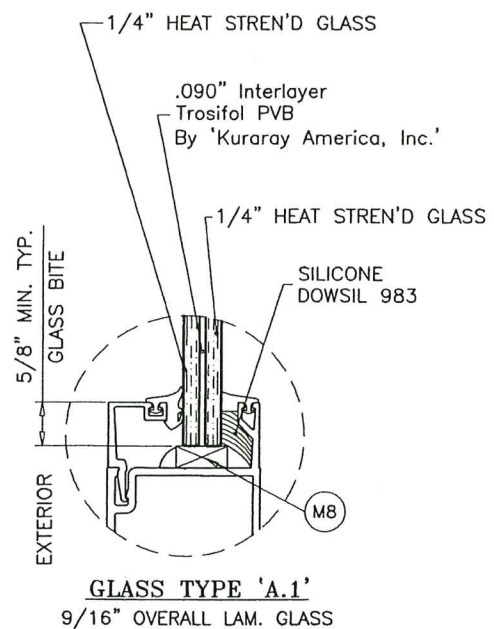
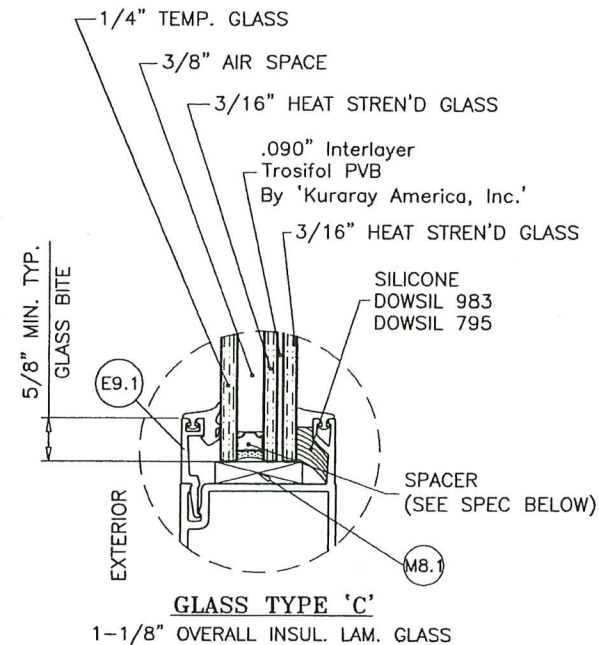
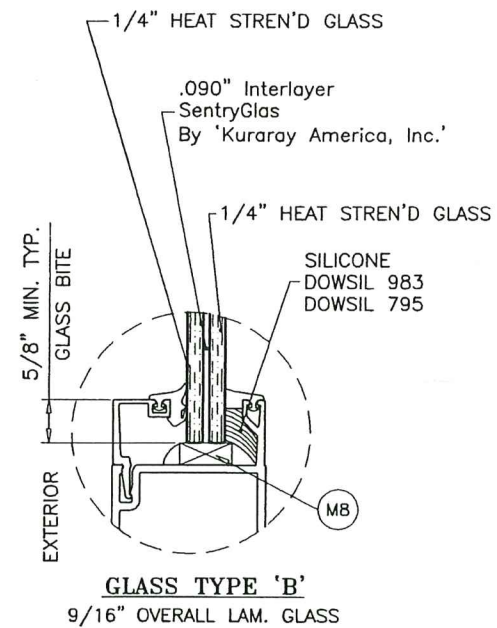
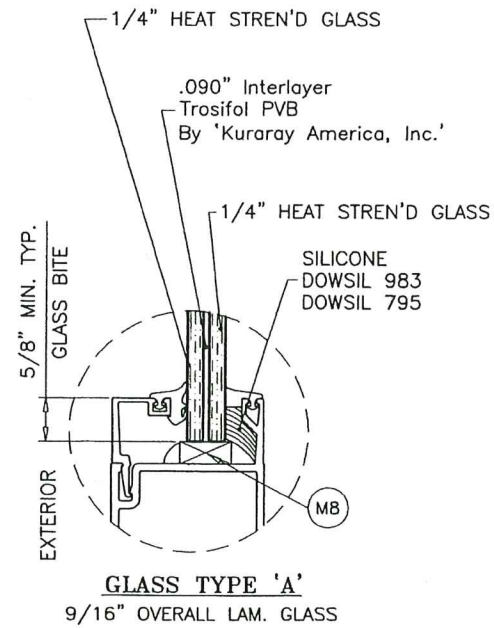
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ESR Impact System LLC.
12400 S.W. 134th Court, Suite 8
Miami, FL. 33186
Phone: (305) 489-1608
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dr. by: TARIO
chk. by:

drawing no.
24-93D

sheet 6 of 18



GLAZING OPTIONS

3/8" AIR SPACE CONSISTING OF:

SPACER:

'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.

PERIMETER SEALANT:

SILICONE
DOWSIL 791
GE 2000

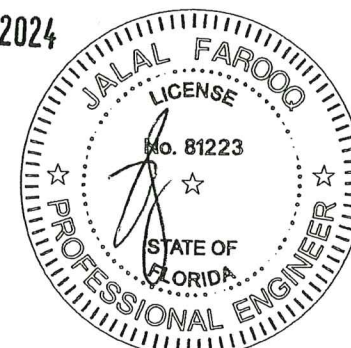
SILICONE

DOWSIL 791
GE 2000

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By [Signature]
Miami Dade Product Control

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SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

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www.—

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
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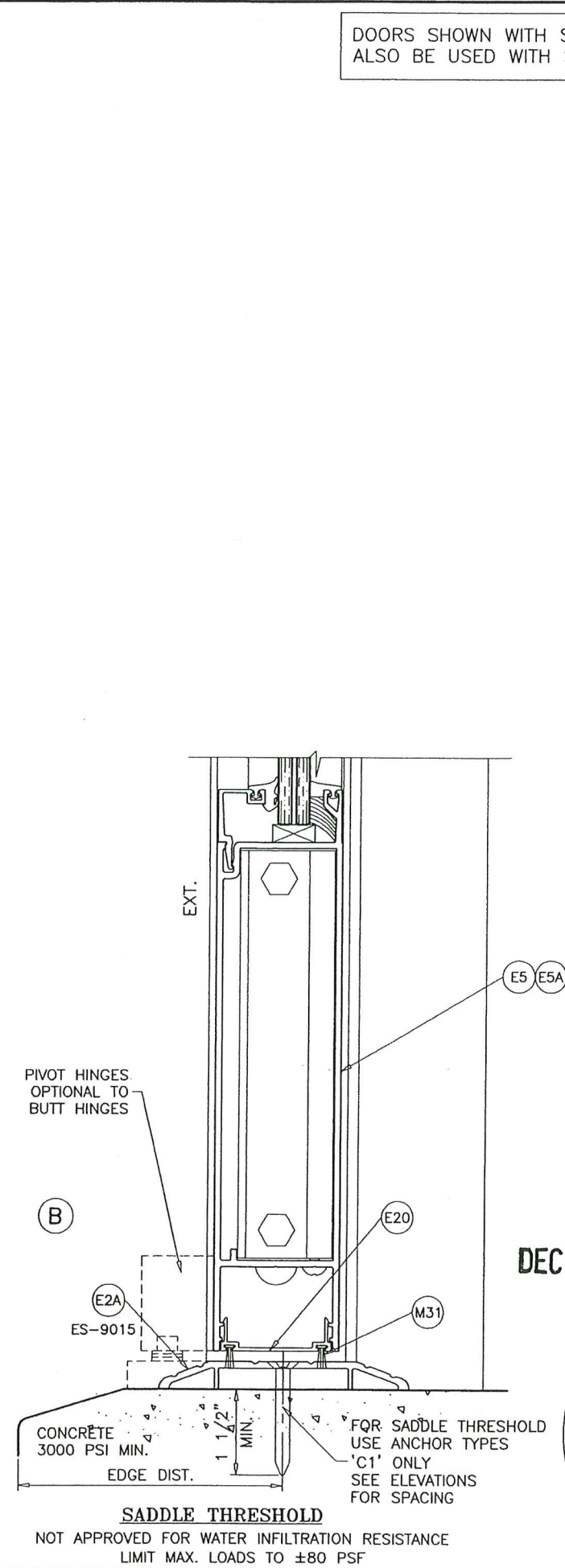
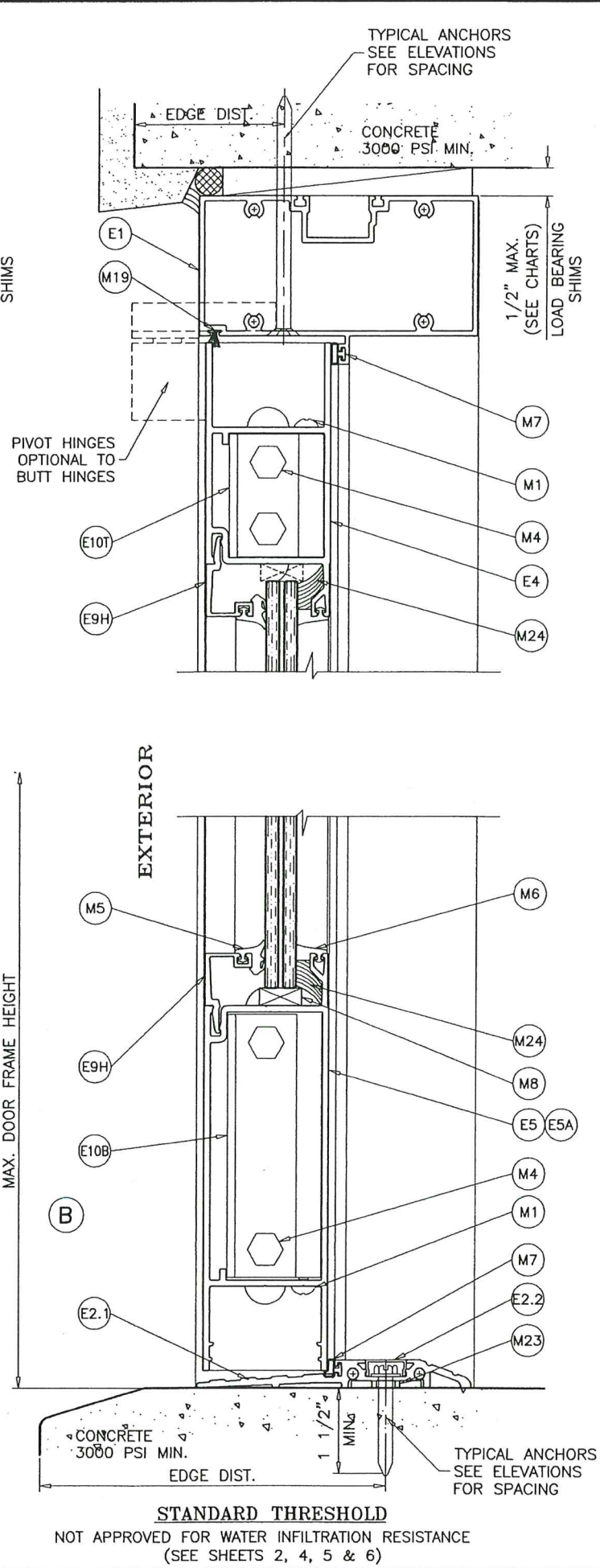
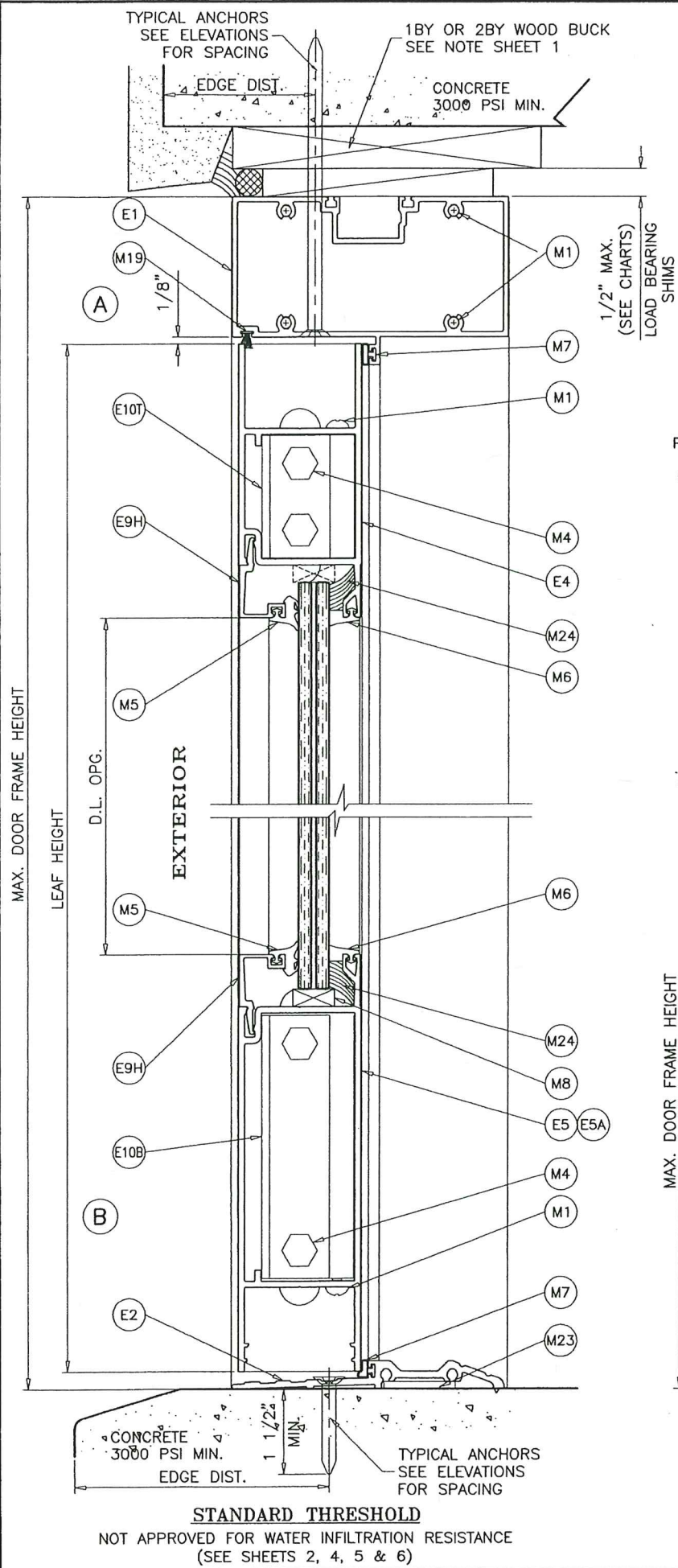
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TEL. (305) 264-8100
FBBE #2598

FBPE #3538

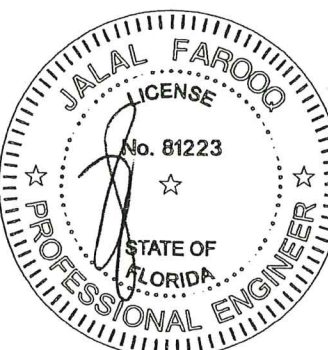
FBPE #3538

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COMP-ANI \ 24-03D ESP



DOORS SHOWN WITH SERIES-9500 FRAMES CAN ALSO BE USED WITH SERIES-8000 FRAMES.



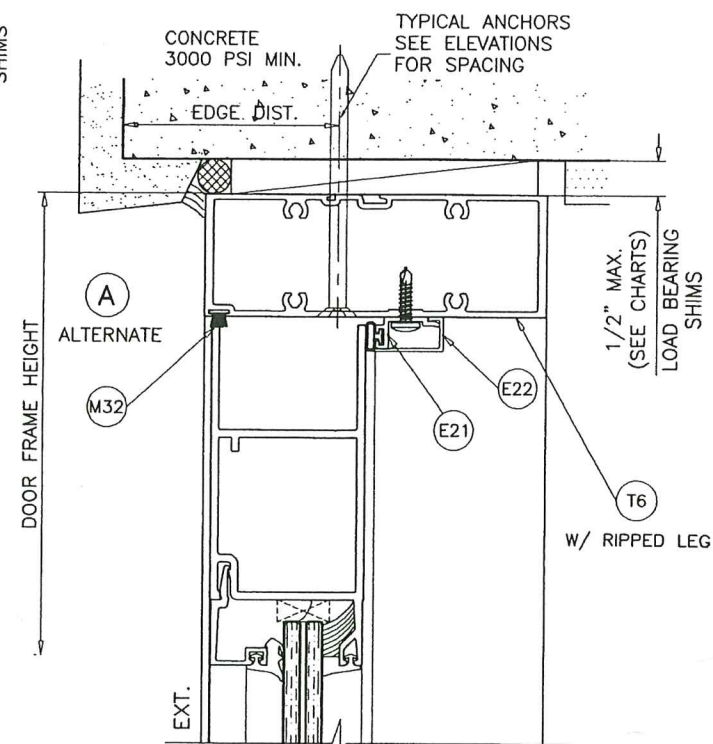
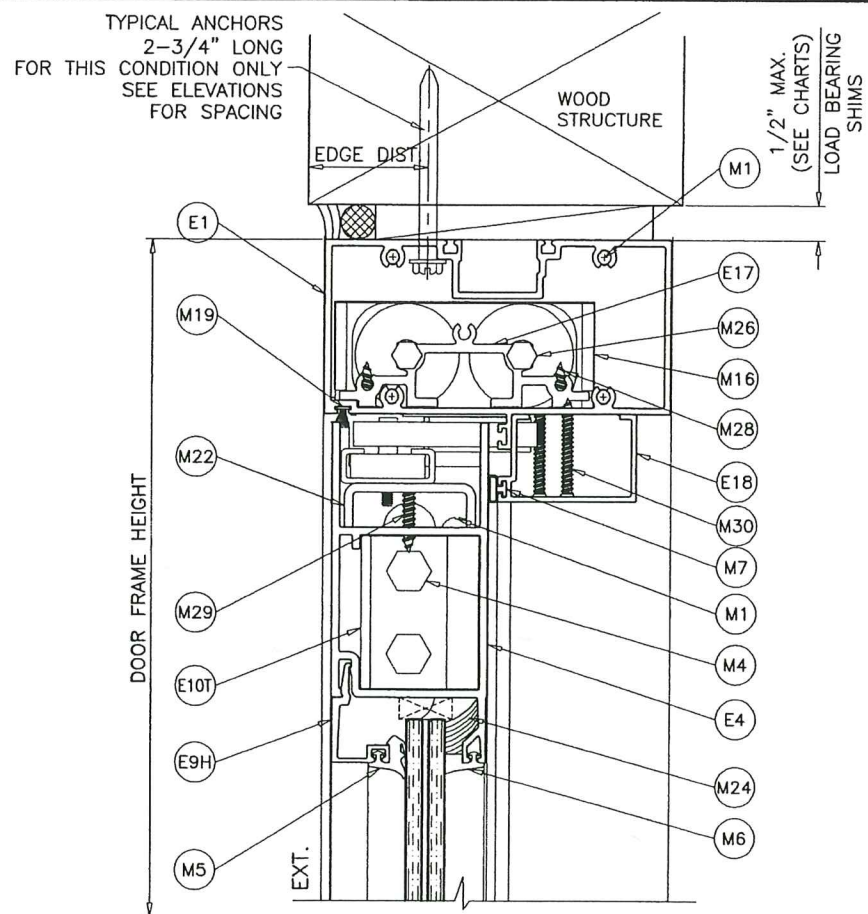
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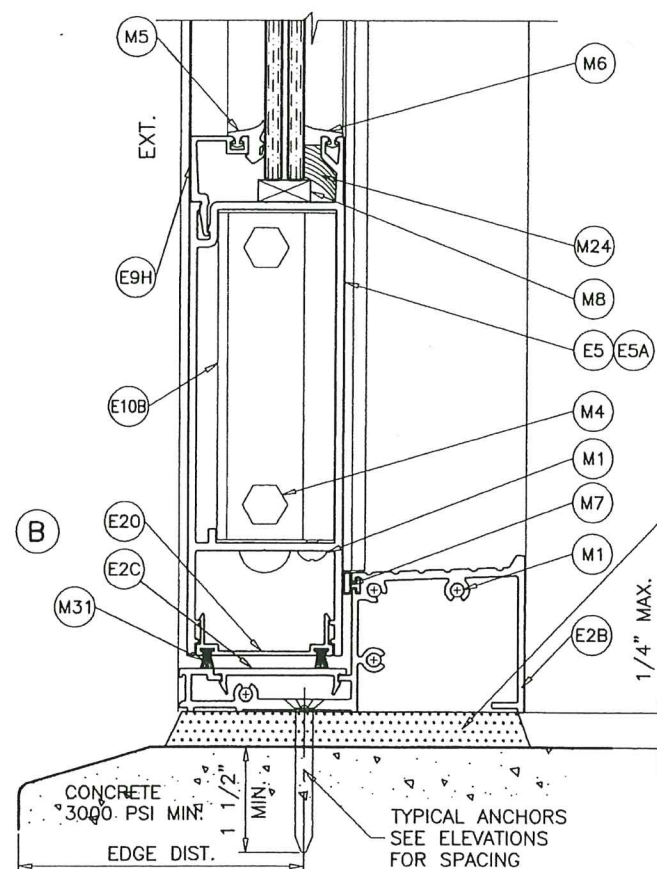
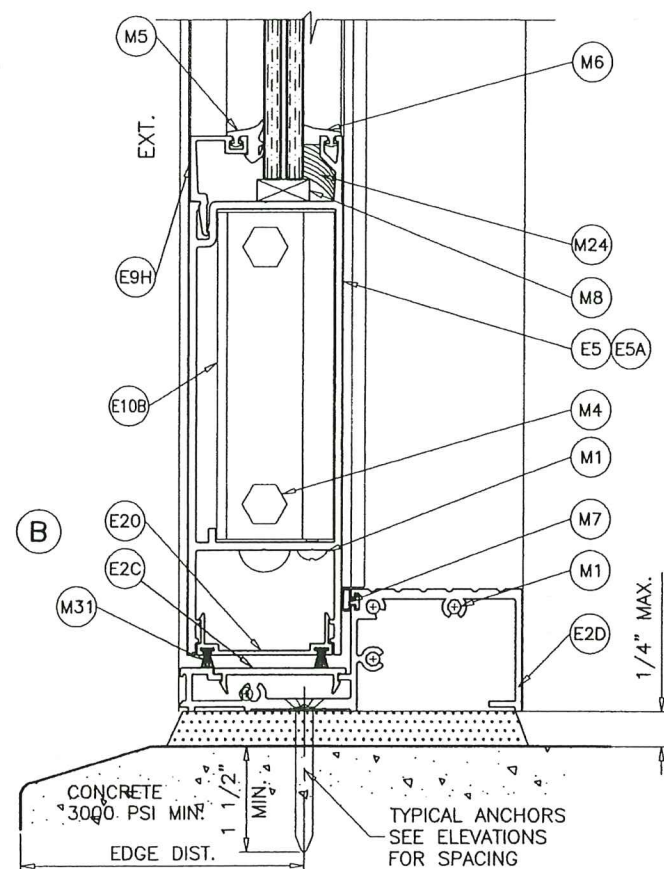
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TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538

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dr. by:	TARIQ			
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drawing no.	24-93D			
sheet	8 of 18			



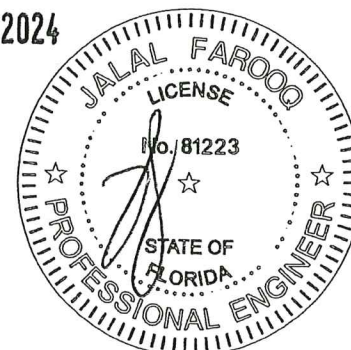
DOOR HEAD
SERIES-8000 FRAME OPTION



HIGH STRENGTH GROUT
POURED & HARDENED
 $f'_c = 5000$ PSI MIN.
NOT BY 'ESR IMPACT SYS.'
MUST TRANSFER SHEAR
LOADS TO STRUCTURE

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MEDIUM THRESHOLD
NOT APPROVED FOR WATER INFILTRATION RESISTANCE

HIGH THRESHOLD

APPROVED FOR WATER RESISTANCE WHEN USED WITH SINGLE DOORS (SEE SHEET 2)

NOT APPROVED FOR WATER RESISTANCE WHEN USED WITH DOUBLE DOORS

SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

ESR Impact System LLC.

12400 S.W. 134th Court, Suite 8
Miami, FL 33186

Miami, FL. 33186

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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL (305) 264-8100
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FRPE #9358

efc

1X OR 2X WOOD BUCKS AND METAL STRUCTURES NOT BY 'ESR IMPACT SYS.'
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

AT HEAD OR JAMBS

TYPE 'A'- 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)
DIRECTLY INTO CONCRETE OR BLOCKS
2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

AT HEAD OR JAMBS

TYPE 'C'- 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)
DIRECTLY INTO CONCRETE OR BLOCKS
2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 3-1/8" MIN.
INTO WOOD STRUCTURE = 1-1/4" MIN.

AT HEAD OR JAMBS

TYPE 'D'- 1/4" TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 1/2" MIN.

AT SILL

TYPE 'A1'- 1/4" X 1-3/4" ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE (FOR STD. AND HIGH THRESHOLD)
WITH 1-1/2" MIN. EMBED INTO CONCRETE

ANCHOR EDGE DISTANCES

INTO CONCRETE = 2-1/2" MIN.

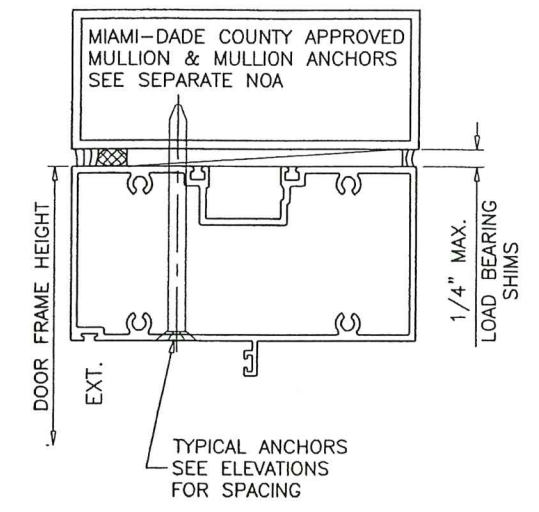
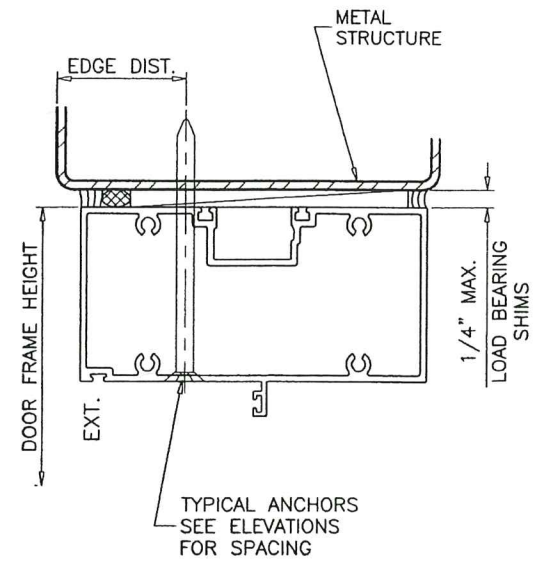
AT SILL

TYPE 'C1'- 5/16" X 2" ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE (FOR SADDLE THRESHOLD)
WITH 1-1/2" MIN. EMBED INTO CONCRETE

ANCHOR EDGE DISTANCES

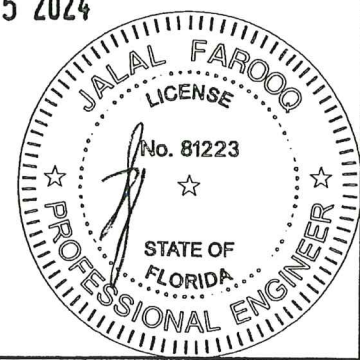
INTO CONCRETE = 3-1/8" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



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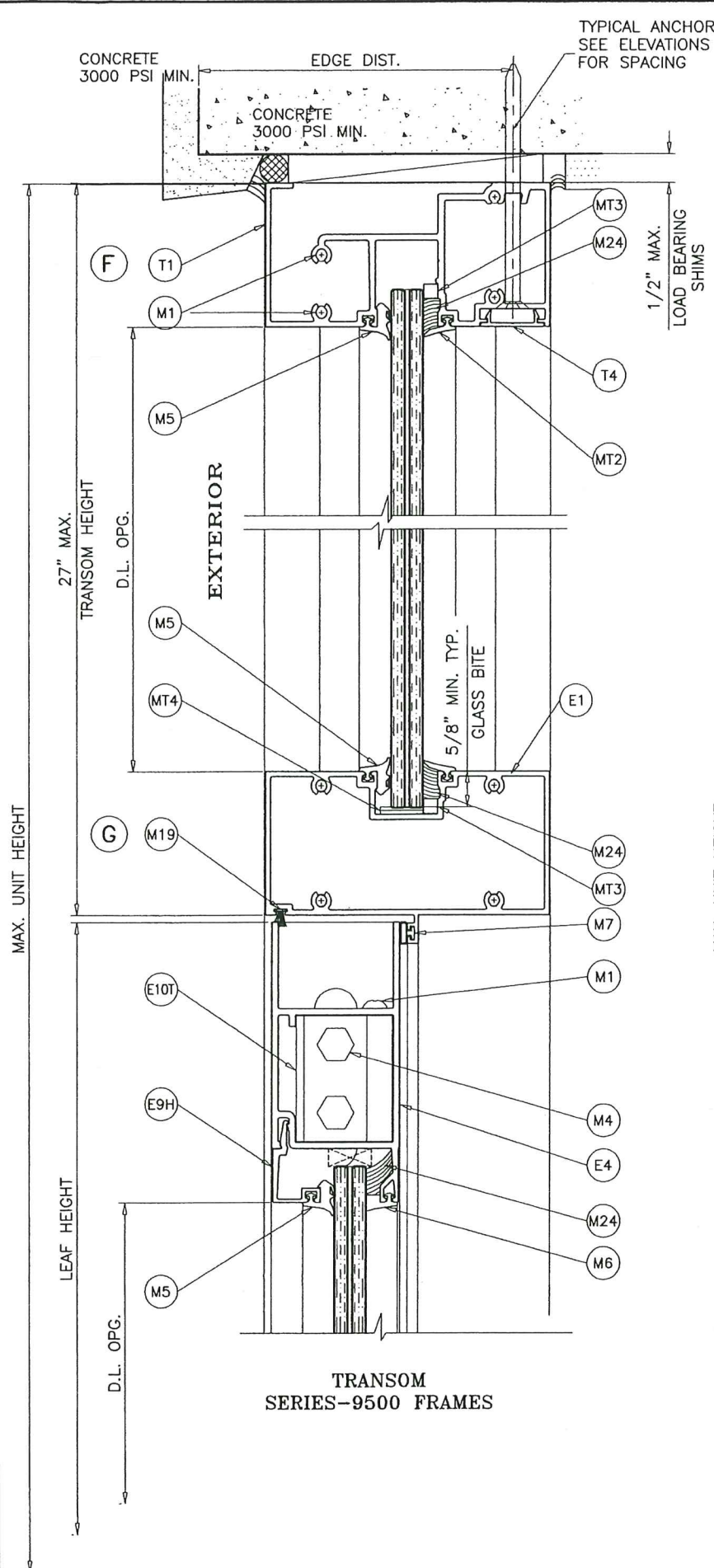
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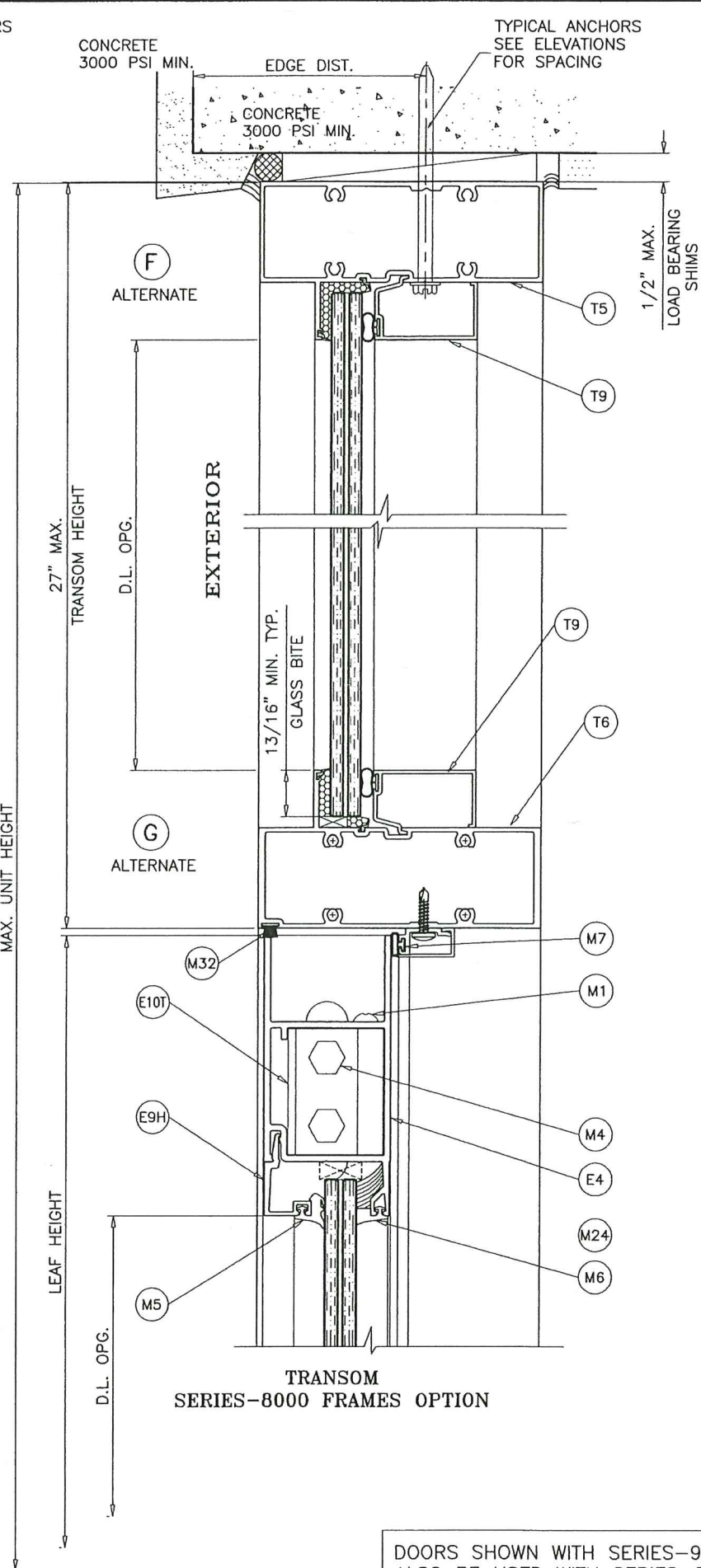
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sheet 10 of 18

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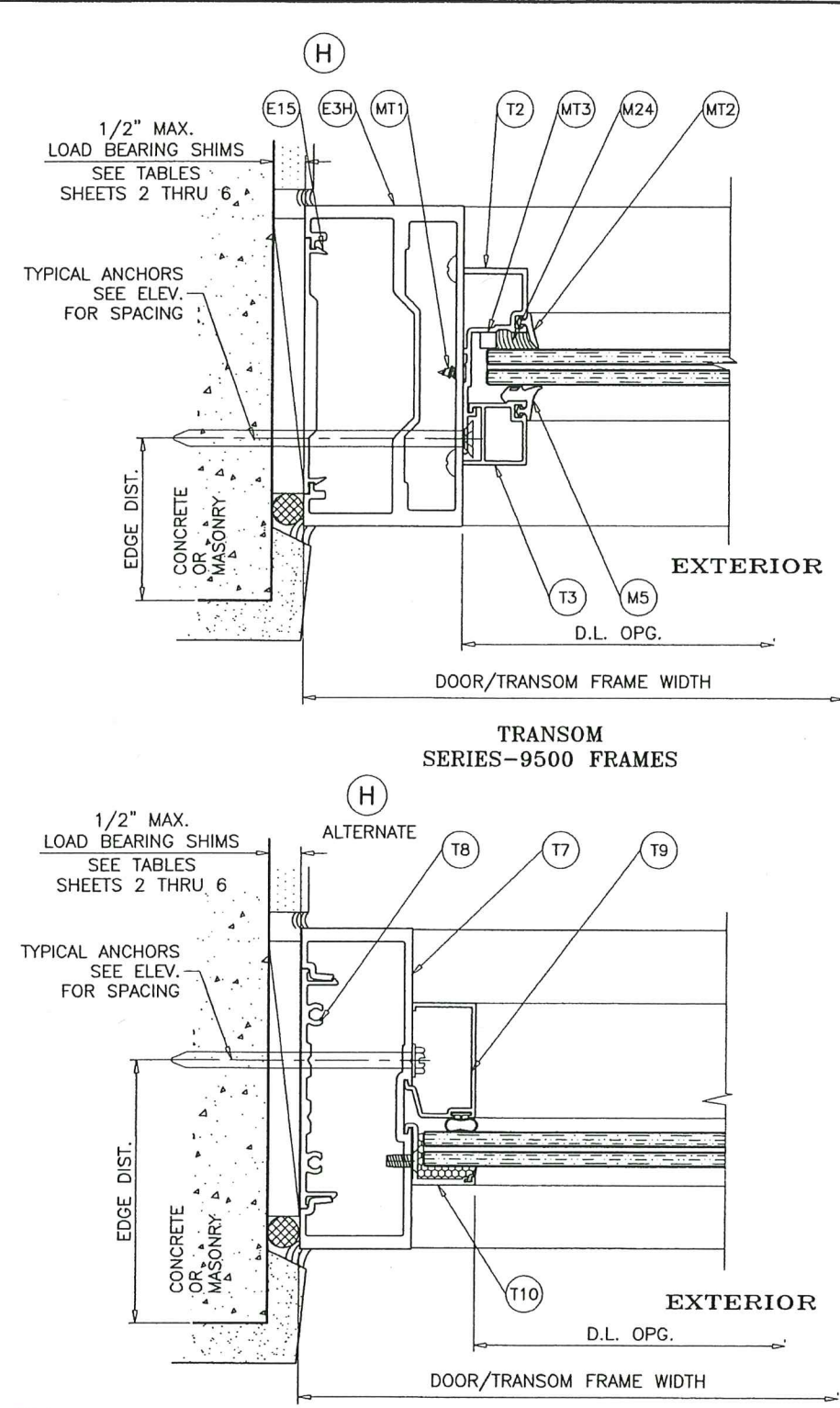


TRANSOM
SERIES-9500 FRAMES



TRANSOM
SERIES-8000 FRAMES OPTION

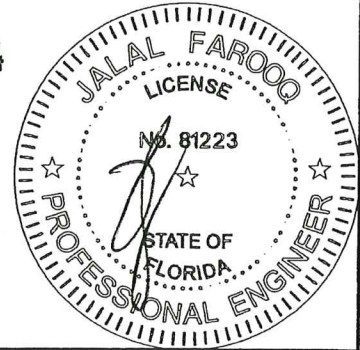
DOORS SHOWN WITH SERIES-9500 FRAMES CAN
ALSO BE USED WITH SERIES-8000 FRAMES.



TRANSOM JAMB
SERIES-8000 FRAMES OPTION

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-1219.03
Expiration Date 12/24/26
By Ismael L. Llanos
Miami Dade Product Center

DEC 05 2024

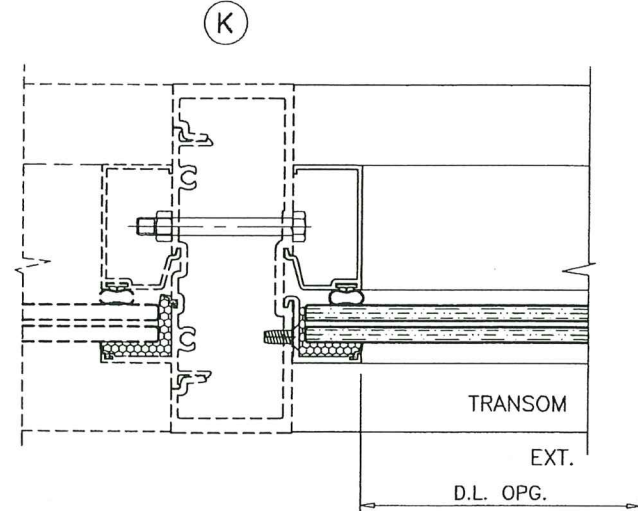
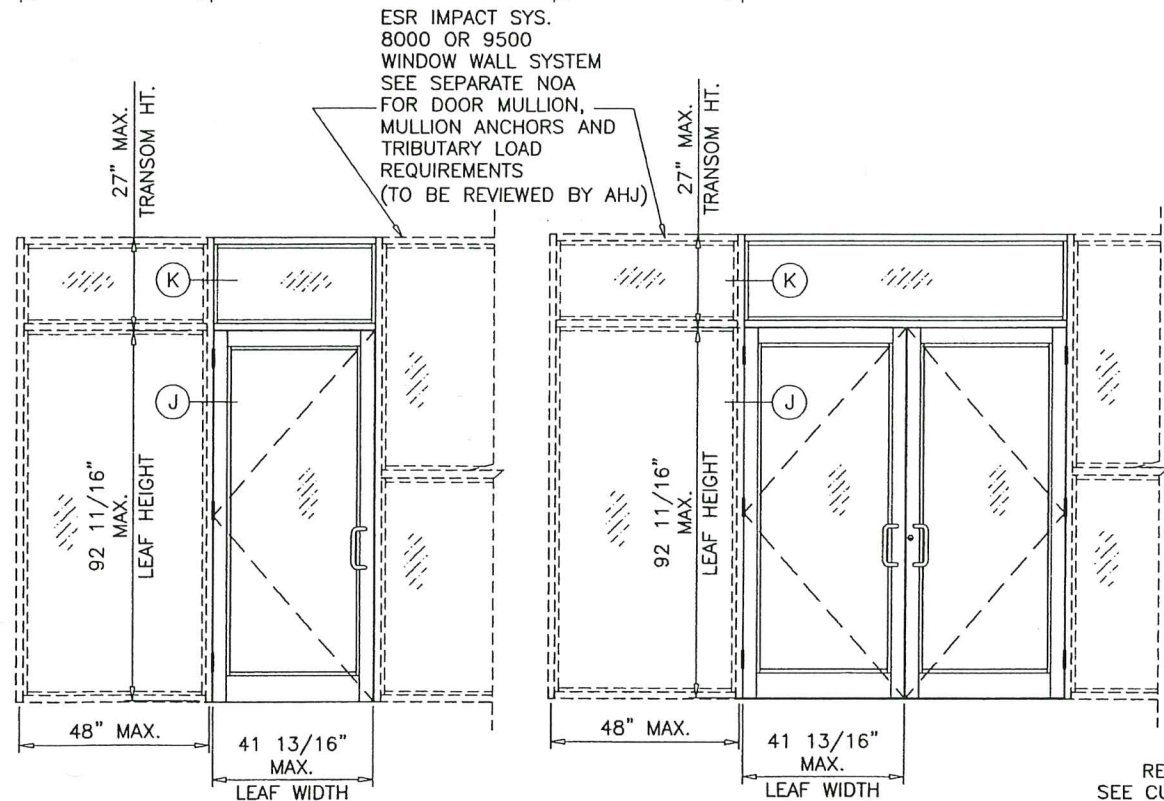
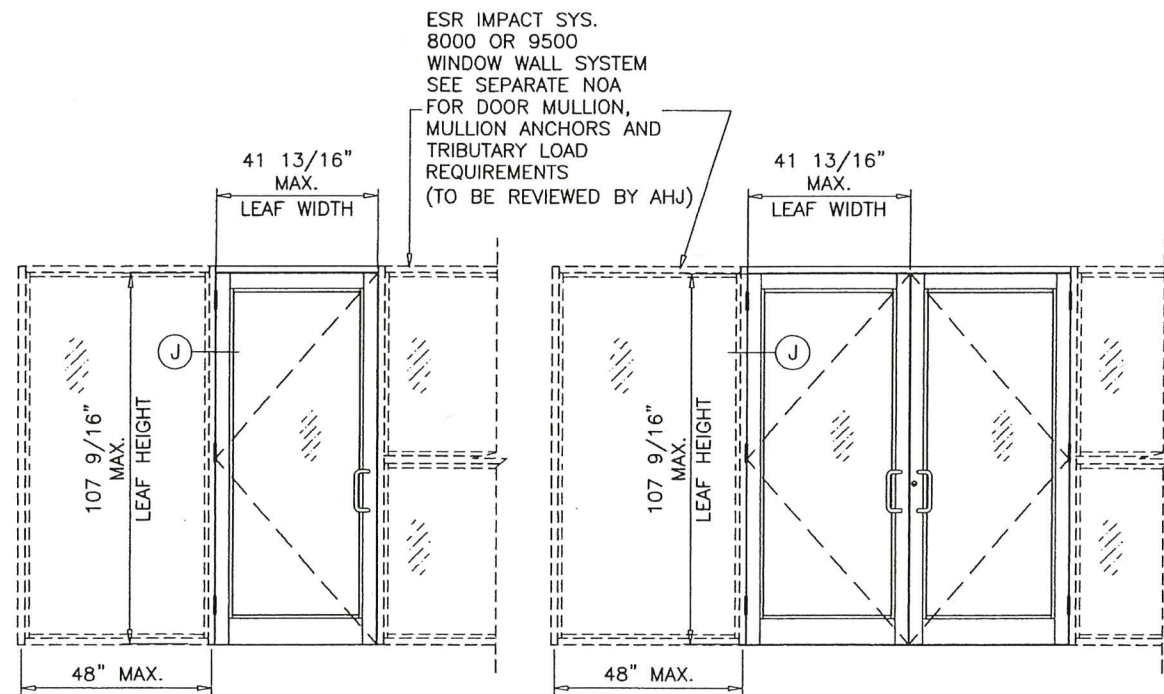


AL-FAROOQ CORPORATION
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FBPE #3538

COMP-ANL 24-93D-ESR

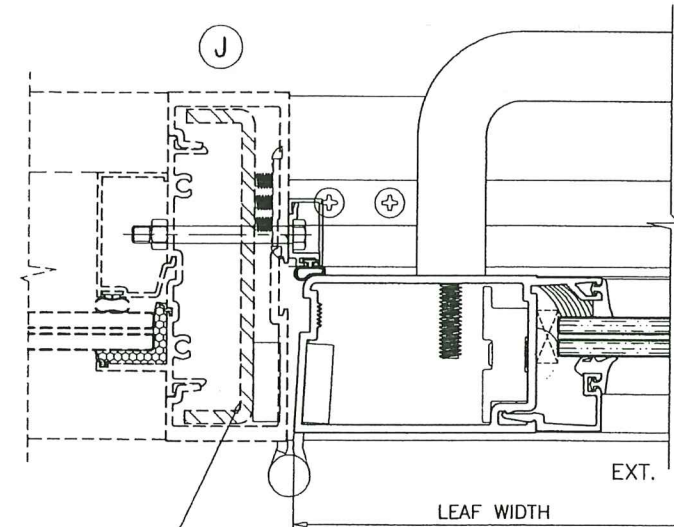
SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)
ESR Impact System LLC.
12400 S.W. 134th Court, Suite 8
Miami, FL 33186
Phone: (305) 489-1608
www.---

revisions:
no date by description
12-03-24
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dr. by: TARIQ
chk. by:
drawing no.
24-93D
sheet 12 of 18

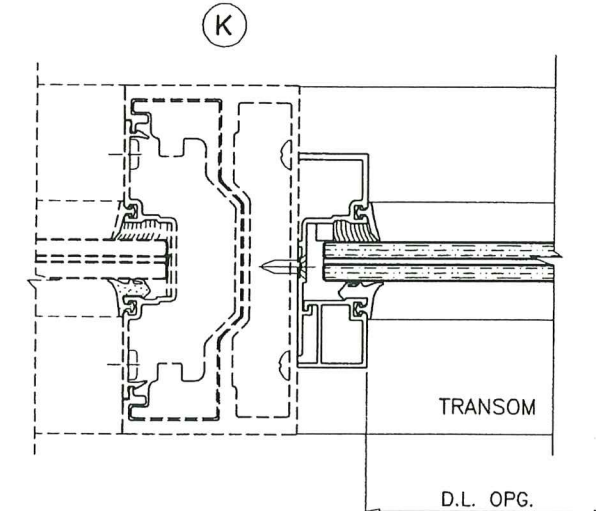


MIAMI-DADE COUNTY APPROVED
SERIES 8000 WINDOW WALL SYSTEM BY 'ESR IMPACT SYS.'
UNDER SEPARATE APPROVAL.

LOWER VALUES FROM DOOR CAPACITY CHARTS OR
WINDOW WALL APPROVAL WILL APPLY TO ENTIRE SYSTEM.

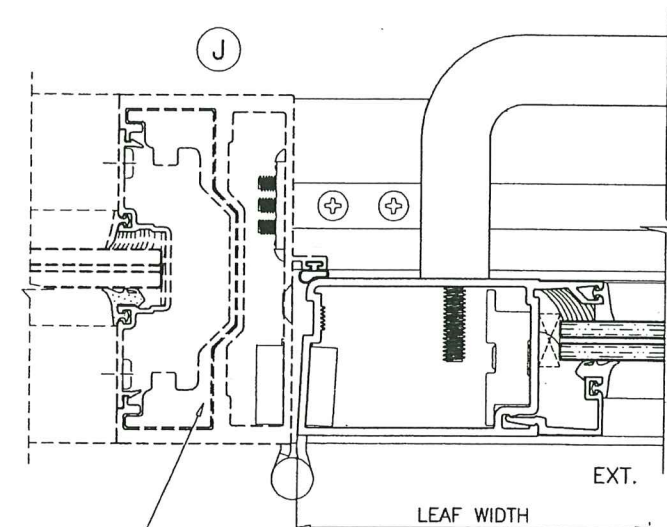


REINFORCING WILL VARY
SEE CURRENT APPROVAL OF
SERIES 8000
WINDOW WALL SYSTEM
FOR DETAILS



MIAMI-DADE COUNTY APPROVED
SERIES 9500 WINDOW WALL SYSTEM BY 'ESR IMPACT SYS.'
UNDER SEPARATE APPROVAL.

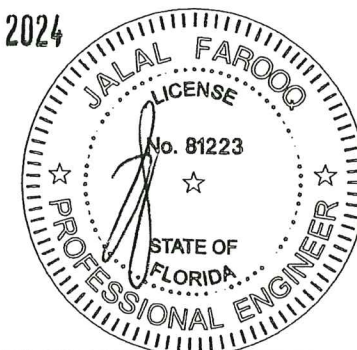
LOWER VALUES FROM DOOR CAPACITY CHARTS OR
WINDOW WALL APPROVAL WILL APPLY TO ENTIRE SYSTEM.



REINFORCING WILL VARY
SEE CURRENT APPROVAL OF
SERIES 9500
WINDOW WALL SYSTEM
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Building Code
Acceptance No. 24-1219.03
Expiration Date 12/24/28
By Ishug I. Chandra
Miami Dade Product Control

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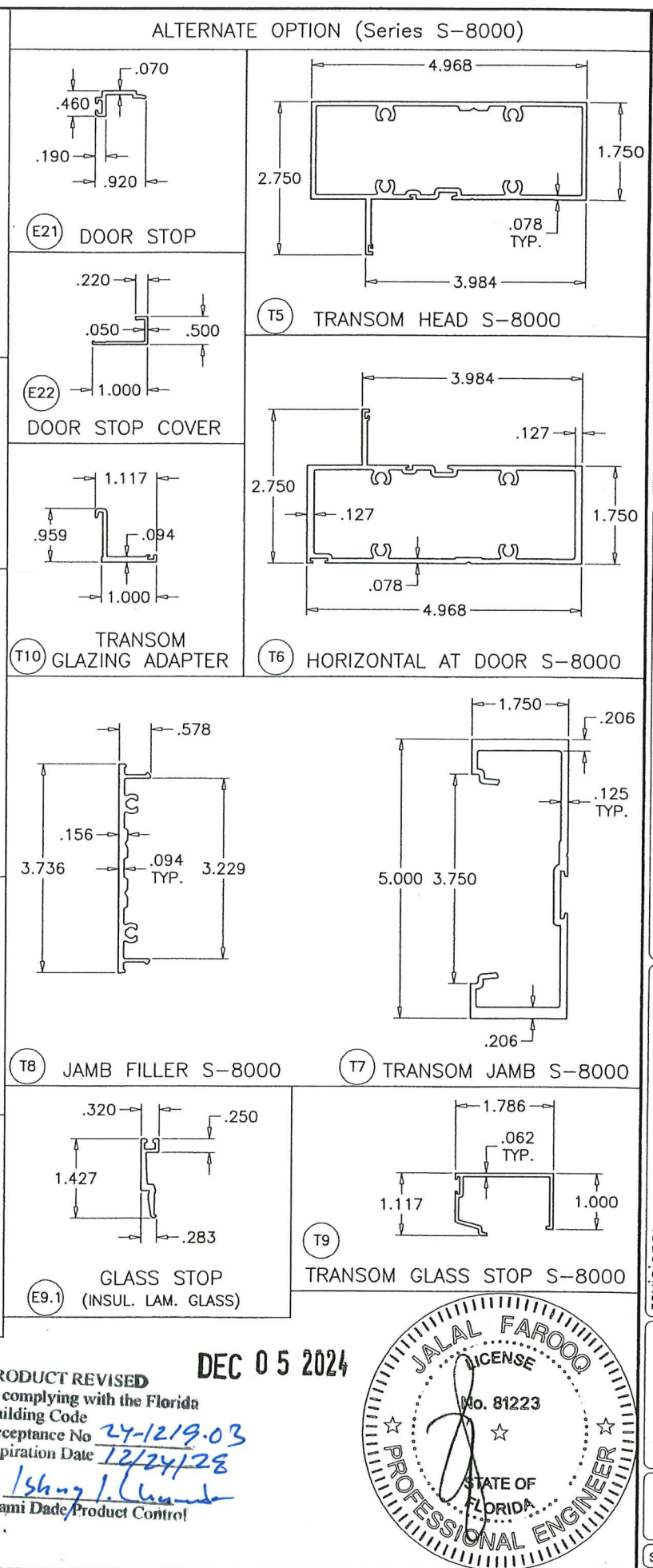
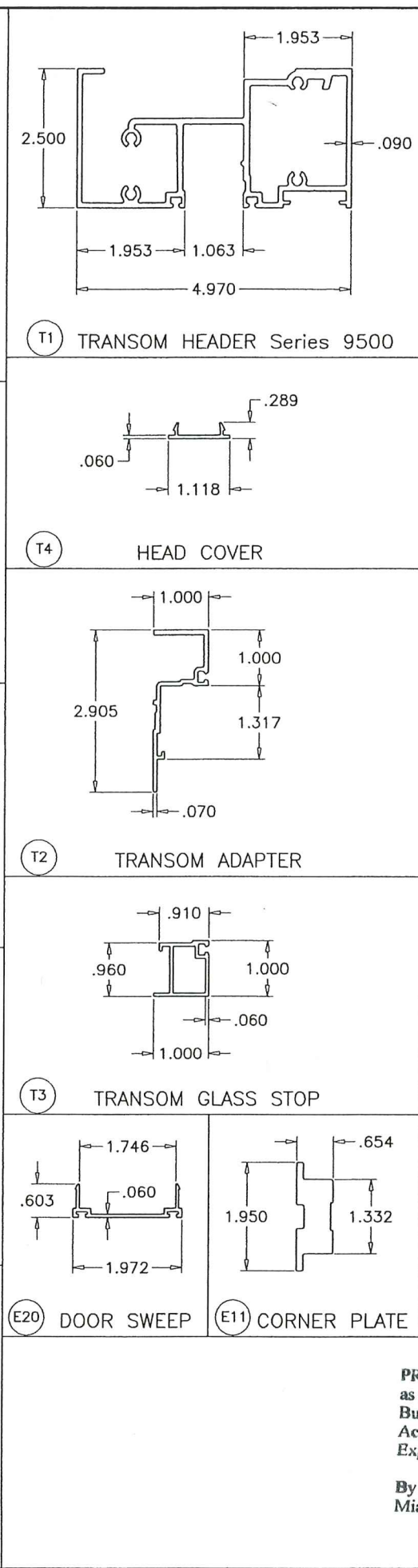
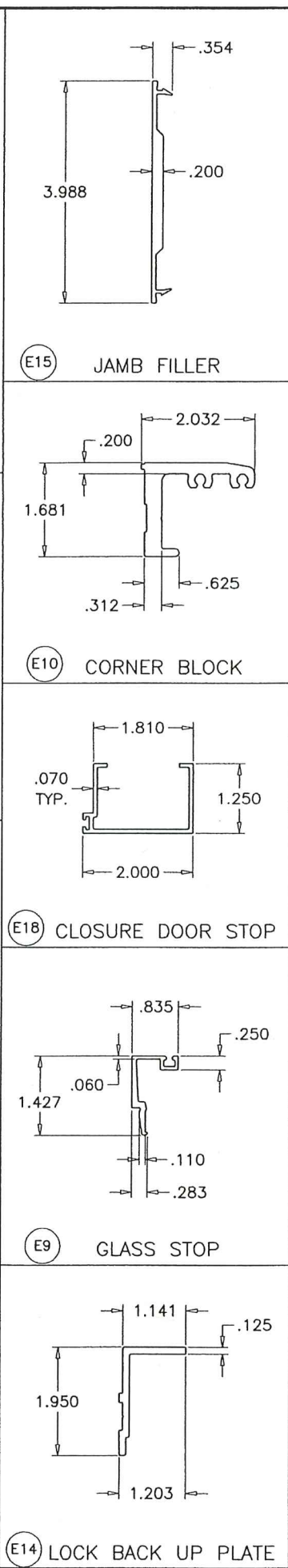
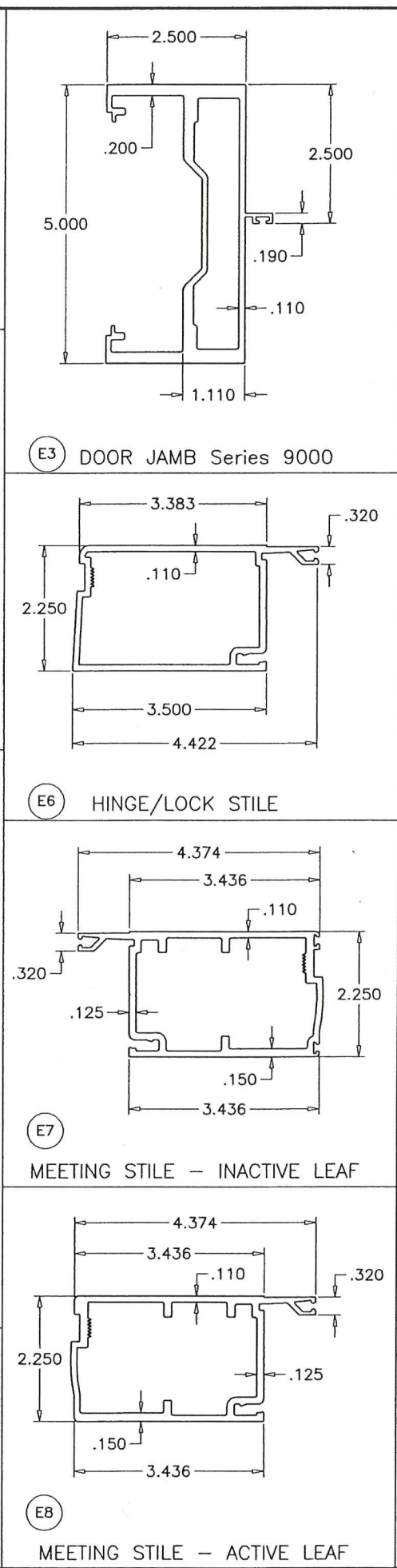
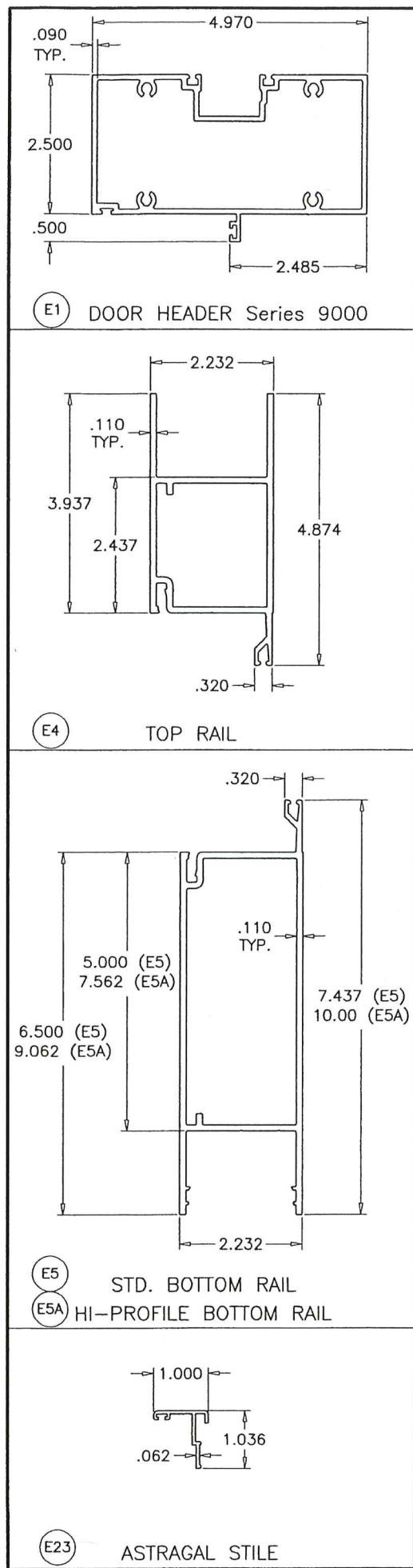


SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)
ESR Impact System LLC.
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www.---

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dr. by:	TARIQ			
chk. by:				

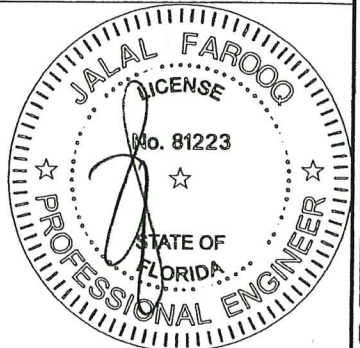
drawing no.
24-93D
sheet 13 of 18

AL-FAROOQ CORPORATION
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 By *Ishing J. [Signature]*
 Miami Dade Product Control!

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SERIES-9000 ALUM. OUTSWING FRENCH DOOR (L.M.I.)

ESR Impact System LLC.
 12400 S.W. 134th Court, Suite 8
 Miami, FL 33186
 Phone: (305) 489-1608
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drawing no.
24-93D
 sheet 14 of 18

E2 STD. THRESHOLD
ES9014

E2.1 ALT. STANDARD THRESHOLD

E2A SADDLE THRESHOLD
ES9015

E2B HIGH THRESHOLD
APPR'D FOR WATER RESISTANCE

E2D MEDIUM THRESHOLD
NOT APPR'D FOR WATER RESISTANCE

E2C THRESHOLD COVER
ES9027

E2.2 SCREW COVER

E13 HINGE BACKUP PLATE

E12 SUPPORT ANGLE

E3.1 NARROW DOOR JAMB

E3.2 NARROW JAMB
DOOR STOP

PRODUCT REVISED
as complying with the Florida
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Acceptance No 24-1219-03
Expiration Date 12/24/28
By [Signature]
Miami Dade Product Control

DEC 05 2024

JALAL FAROOQ
LICENSE
No. 81223
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
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WWW.-

revisions:	
no	date by description

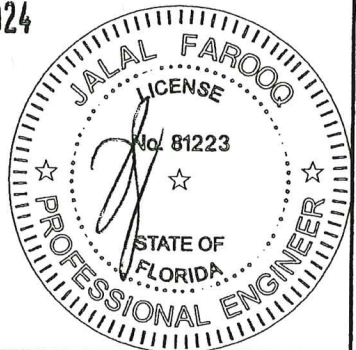
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drawing no. 24-93D			
sheet 14.1 of 18			

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	ES-9012	1	DOOR HEADER	6061-T6	-
E2	ES-9014	1	STANDARD THRESHOLD	6063-T6	-
E2.1	ES-9000-30	1	ALT. STANDARD THRESHOLD	6063-T6	-
E2.2	ES-6011	1	SCREW COVER	6063-T6	-
E2A	ES-9015	1	SADDLE THRESHOLD	6063-T6	-
E2B	ES-9026	1	HIGH THRESHOLD	6063-T6	-
E2C	ES-9027	1	THRESHOLD COVER	6063-T5	-
E2D	ES-9000-036	1	MEDIUM THRESHOLD	6063-T6	-
E3H	ES-9013	2	DOOR JAMB - HINGE	6063-T6	-
E4	ES-9001	2	TOP RAIL	6063-T5	-
E5	ES-9002	2	STD. BOTTOM RAIL	6063-T6	-
E5A	ES-9000-031	2	HI-PROFILE BOTTOM RAIL	6063-T6	-
E6H	ES-9003	2	HINGE/LOCK STILE	6063-T5	-
E7	ES-9006	1	MEETING STILE - INACTIVE LEAF	6063-T5	-
E8	ES-9007	1	MEETING STILE - ACTIVE LEAF	6063-T5	-
E9H	ES-9004	4	HORIZONTAL GLASS STOP	6063-T5	-
E9V	ES-9004	4	VERTICAL GLASS STOP	6063-T5	-
E9.1	ES-9029	4	GLASS STOP (INSUL. LAM. GLASS)	6063-T5	-
E10T	ES-9008	4	CORNER BLOCK -TOP	6063-T5	-
E10B	ES-9008	4	CORNER BLOCK - BOTTOM	6063-T5	-
E11T	ES-9009	4	CORNER PLATE - TOP	6063-T5	-
E11B	ES-9009	4	CORNER PLATE - BOTTOM	6063-T5	-
E12	ES-9010	4	SUPPORT ANGLE	6063-T5	3/4" X 1" X 1/8" X 9" LONG
E13	ES-9011	AS RQD.	HINGE BACKUP PLATE REINFORCEMENT	6063-T5	1-1/4" X 9" X 3/8" THK.
E13A	12-24 X 1/2"	4/ PLATE	HINGE BACKUP PLATE FASTENERS	ST. STEEL	FH MACHINE SCREWS
E14	ES-9020	1	LOCK BACKUP PLATE REINFORCEMENT	6063-T5	10" LONG
E14A	8-32 X 1/2"	3/ PLATE	LOCK PLATE FASTENERS	ST. STEEL	PH MACHINE SCREWS
E15	ES-9016	AS RQD.	JAMB FILLER	6063-T6	-
E16	ES-9017	AS RQD.	REINFORCEMENT	6063-T6	-
E17	ES-9021	1/ CLOSER	CLOSER SUPPORT CLIPS (PAIR)	6063-T5	-
E18	ES-9022	1	CLOSER DOOR STOP	6063-T5	-
E19	ES-9023	1/ CLOSER	CLOSER COVER PLATE	6063-T5	-
E20	ES-9005	-	DOOR SWEEP	-	-
E21	ES-9051	-	DOOR STOP	-	-
E22	ES-9052	-	DOOR STOP COVER	-	-
E23	ES-9060	-	ASTRAGAL STILE	6063-T5	SECURED WITH #8 X 1/2" SMS AT 12" O.C.
M1	-	28	#12 x 1" P.H. ST/ST SMS	-	-
M2	-	AS RQD.	#12 - 24 x 1" F.H. ST/ST MS	-	-
M3	-	18	#8 - 32 x 1/2" P.H. ST/ST MS	-	-
M4	-	16	3/8" - 16 x 1" HEX. BOLT	-	-
M5	ES-9000-G01	AS RQD.	WEDGE GASKET	EPDM	DUROMETER 70±5 SHORE A
M6	ES-9000-G02	AS RQD.	SPACER GASKET	EPDM	DUROMETER 70±5 SHORE A
M7	ES-9000-G03	AS RQD.	BULB VINYL, BASE-POLYPROPYLENE, BULB-TPE	-	ULTRAFAB, DUROMETER 73±5 SHORE A
M8	ES-9000-B01	AS REQD.	SETTING BLOCKS (LAM. GLASS) AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
M8.1	ES-9000-B02A	AS REQD.	SETTING BLOCKS (INSUL. LAM. GLASS) AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
M9	-	AS RQD.	HINGE 4 1/2" x 4"	-	-
M9A	-	AS RQD.	OFFSET PIVOT HINGE	ALUMINUM	-
M12	-	1	3 POINT LOCK	-	-
M13	-	1	KEY CYLINDER	-	-
M14	-	1	THUMBTURN	-	-
M15	-	1	2 POINT LOCK	-	-
M16	-	1/ LEAF	DOOR CLOSURE	-	-
M17	-	2	PUSH - PULL	-	-
M19	W13273NK	AS RQD.	PILE W'STRIPPING - HEADER	WOOL	-
M20	W23451NK	AS RQD.	PILE - MTG STILES	WOOL	-
M22	-	1/ CLOSER	CHANNEL SPACER 5/8" X 1-7/8"	-	-
M23	-	2	THRESHOLD CLIP	-	-
M24	-	AS RQD.	STRUCTURAL SILICONE	-	-
M25	-	AS RQD.	SILICONE	-	-

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
M26	-	2/ CLOSER	1/4 - 20 x 2" HEX. BOLT	-	-
M27	-	3/ CLOSER	#10 x 1" P.H. ST/ST SMS	-	-
M28	-	6/ CLOSER	#10 x 1" F.H. ST/ST SMS	-	-
M29	-	3/ CLOSER	#10 x 1" F.H. ST/ST SMS	-	-
M30	-	AS RQD.	#10 x 1 1/2" F.H. ST/ST SMS, AT 23" O.C.	ST. STEEL	-
M31	W13351NK	AS RQD.	PILE - DOOR SWEEP	WOOL	-
M32	W13275NK	AS RQD.	PILE - HEADER	WOOL	-
T1	ES-9506	-	TRANSOM HEADER Series 9500	6063-T6	-
T2	ES-9019	-	TRANSOM ADAPTER	6063-T5	-
T3	ES-9018	-	TRANSOM GLASS STOP	6063-T5	-
T4	ES-9502	-	HEAD COVER	6063-T5	-
MT1	-	-	#10 x 1/2" F.H. ST/ST SMS	-	-
MT2	-	-	TRIM GASKET	SILICONE	-
MT3	-	-	INTERIOR SPACER 1/4" x 1/4"	FOAM	-
MT4	-	AS REQD.	SETTING BLOCKS (1/16" x 3/4") AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
T5	ES-8005	AS REQD.	TRANSOM HEAD S-8000	6005-T6	-
T6	ES-8013	AS REQD.	HORIZONTAL AT DOOR S-8000	6061-T6	-
T7	ES-8012	AS REQD.	TRANSOM JAMB S-8000	6005-T6	-
T8	ES-8003	AS REQD.	JAMB FILLER S-8000	6005-T5	-
T9	ES-8006	AS REQD.	TRANSOM GLASS STOP S-8000	6063-T5	-
T10	ES-8014	AS REQD.	TRANSOM GLAZING ADAPTER	6063-T6	-

PRODUCT REVISED
as complying with the Florid..
Building Code
Acceptance No 24-219-03
Expiration Date 12/24/28
By Ishag I. Hamed
Miami Dade Product Control

DEC 05 2024



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
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drawing no.
24-93D
sheet 15 of 18

LOCKS: (See Tables On Sheets 2 Thru 6 For Load Capacities)

OPTION #1: LIMIT MAX. LOADS TO ± 80.0 PSF

ACTIVE & INACTIVE LEAF:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'JACKSON PANIC SYSTEM' #1285 LOCATED AT 41" FROM SILL AT EACH LEAF.

FASTENED WITH

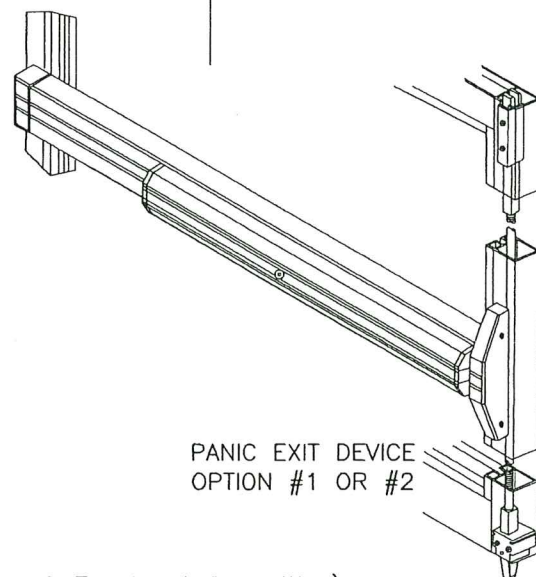
- (1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
- (2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END

OR

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'ADAMS RITE' LOCATED AT 40" FROM SILL AT EACH LEAF.

FASTENED WITH

- (2) #10-32 X 3/4" FH MACHINE SCREWS AT ONE END AND
- (2) #10-24 X 1/2" FH MACHINE SCREWS AT OTHER END



OPTION #2: LIMIT MAX. LOADS TO +80.0, -90.0 PSF

ACTIVE & INACTIVE LEAF:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'JACKSON PANIC SYSTEM' #2086 LOCATED AT 41" FROM SILL AT EACH LEAF.

FASTENED WITH

- (1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
- (2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END

OR

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'DOR-O-MATIC' LOCATED AT 40" FROM SILL AT EACH LEAF.

FASTENED WITH

- (2) #12-24 X 1/2" FH MACHINE SCREWS AT ONE END

OPTION #3:

ACTIVE LEAF:

KEY OPERATED THREE POINT LOCK SYSTEM 4015/4016 BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL

FASTENED WITH

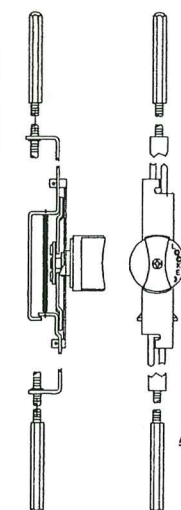
- (2) #12-24 X 1/2" FH MACHINE SCREWS

INACTIVE LEAF:

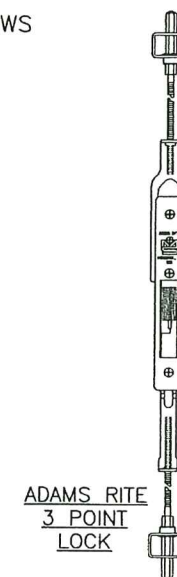
MANUALLY OPERATED TWO POINT LOCK SYSTEM 1880/81 BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL

FASTENED WITH

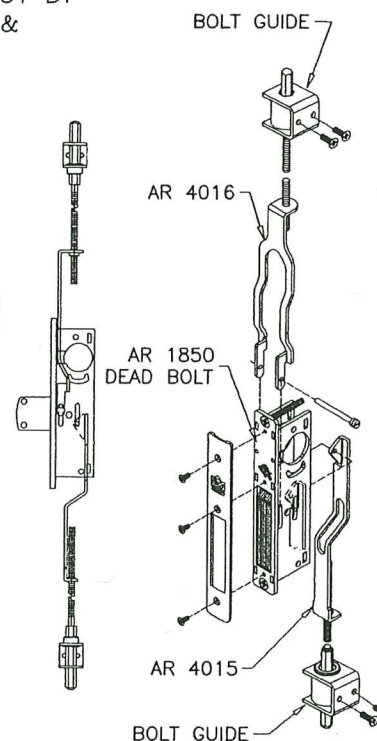
- (2) #8-32 X 1/4" PH MACHINE SCREWS



ADAMS RITE
2 POINT
LOCK



ADAMS RITE
3 POINT
LOCK



HINGES: (See Tables On Sheets 2 Thru 6 For Load Capacities)

OPTION #1:

OFFSET PIVOT HINGES

ALUMINUM AT TOP AND BOTTOM

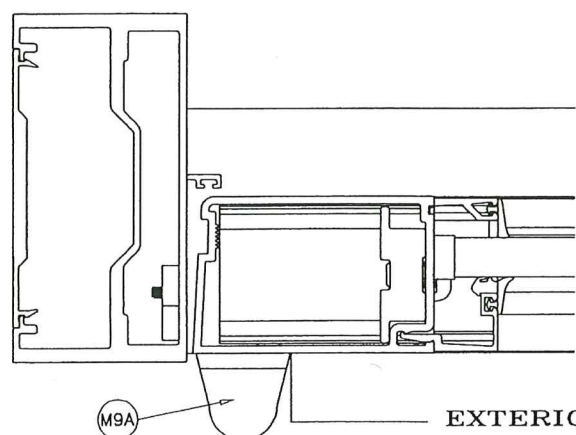
FASTENED TO FRAME AND THRESHOLD WITH #10-24 X 1/2" FH THREAD CUTTING SCREWS

- (2) AT THRESHOLD, (2) AT JAMB BOTTOM

- (3) AT FRAME HEAD

HEAVY DUTY BRASS OR BRONZE AT MIDSPAN FASTENED TO FRAME AND LEAF WITH

- (4) 1/4-20 X 5/8" MS



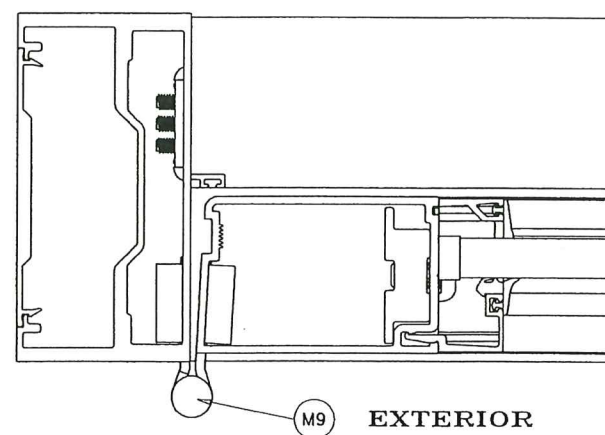
OPTION #2:

4 X 4-3/4" ST. STEEL BALL BEARING BUTT HINGES LOCATED AT

11" FROM TOP & BOTTOM AND AT MIDSPAN

FASTENED TO DOOR FRAME AND LEAF STILE WITH

- (4) #12-24 X 1/2" FH MACHINE SCREWS PER HASP



OPTION #2.1:

4 X 4-3/4" ST. STEEL BALL BEARING BUTT HINGES

(4) PER LEAF

- (1) AT 9-5/8" FROM TOP TO CL OF HINGE

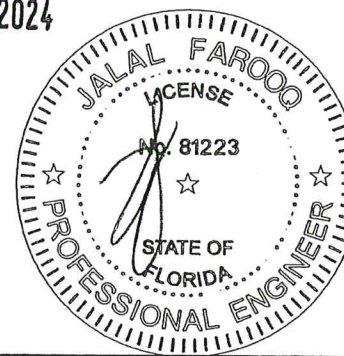
- (2) INTERMEDIATE HINGES EQUALLY SPACED FROM TOP AND BOTTOM HINGE

FASTENED TO DOOR FRAME AND LEAF STILE WITH

- (4) #12-24 X 1/2" FH MACHINE SCREWS PER HASP

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-1219-03
Expiration Date 12/24/28
By *Sheng L. Li*
Miami Dade Product Control

DEC 05 2024



SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

ESR Impact System LLC.

12400 S.W. 134th Court, Suite 8

Miami, FL. 33186

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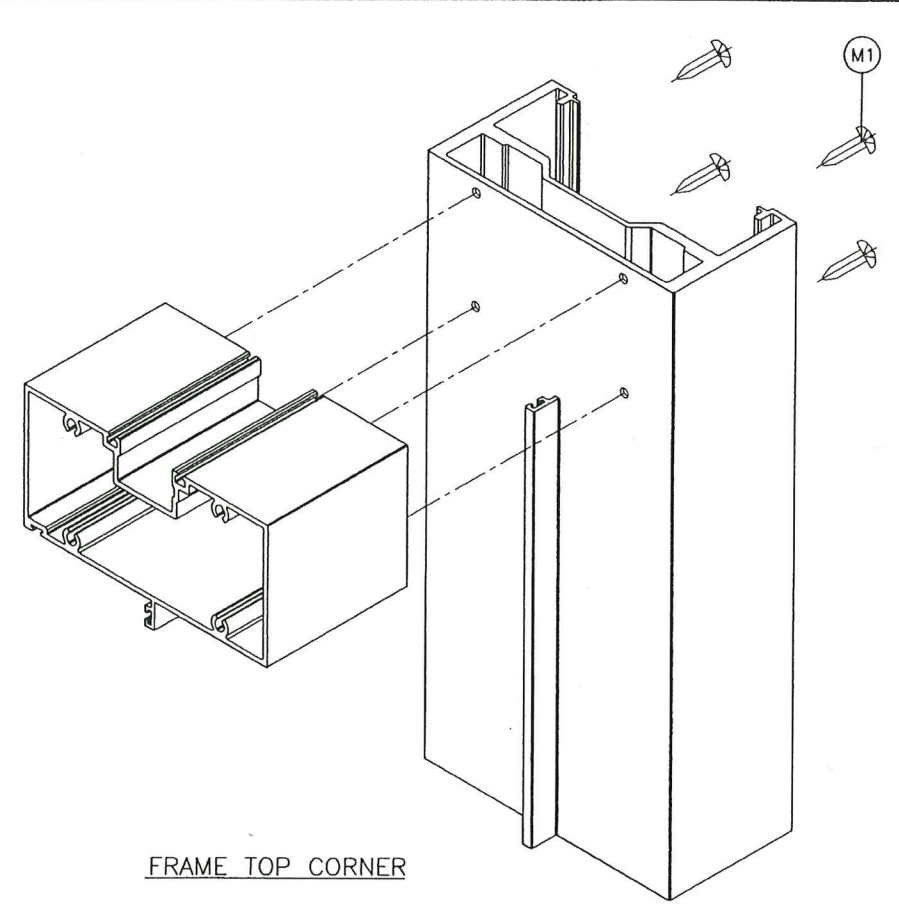
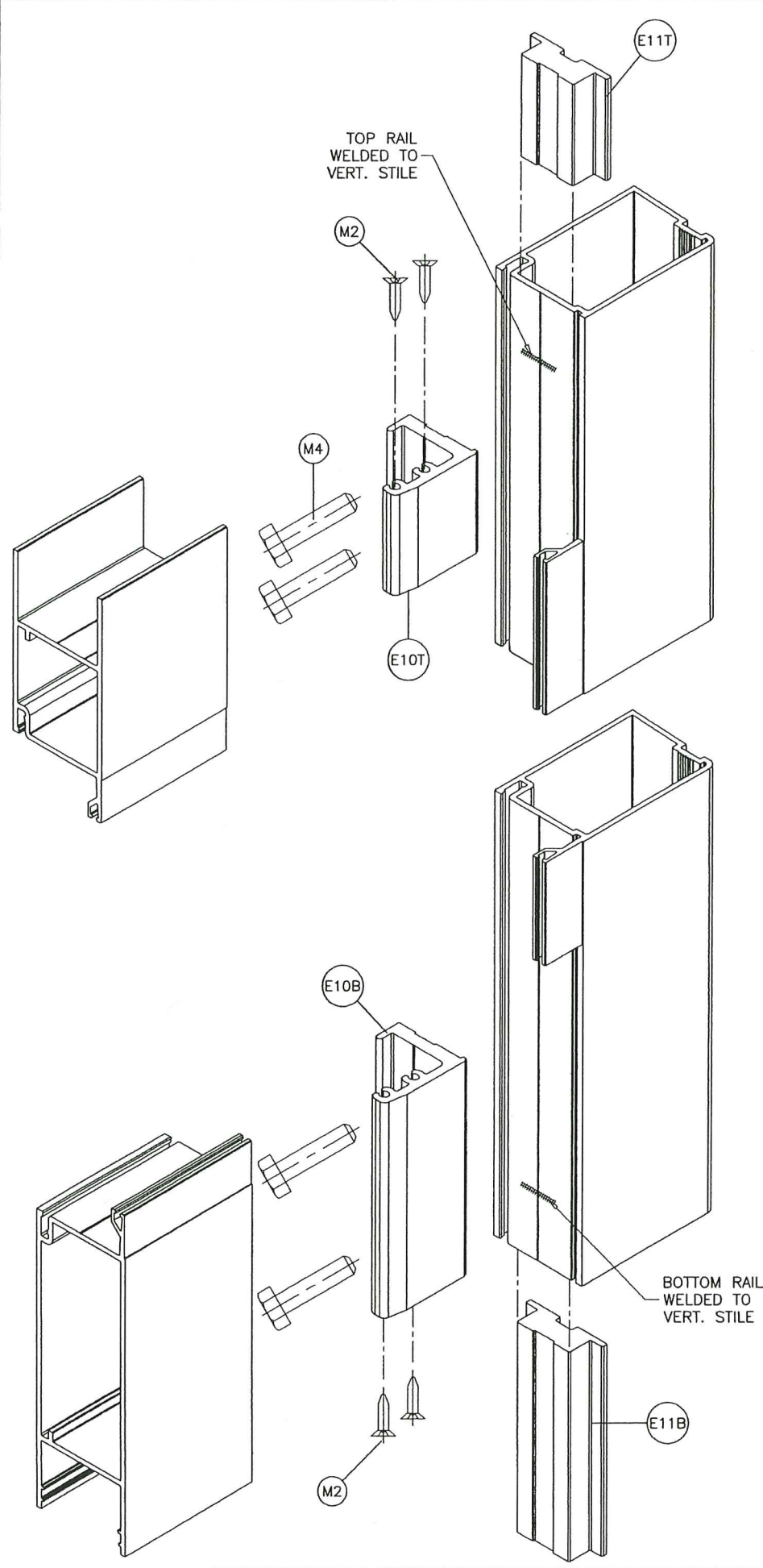
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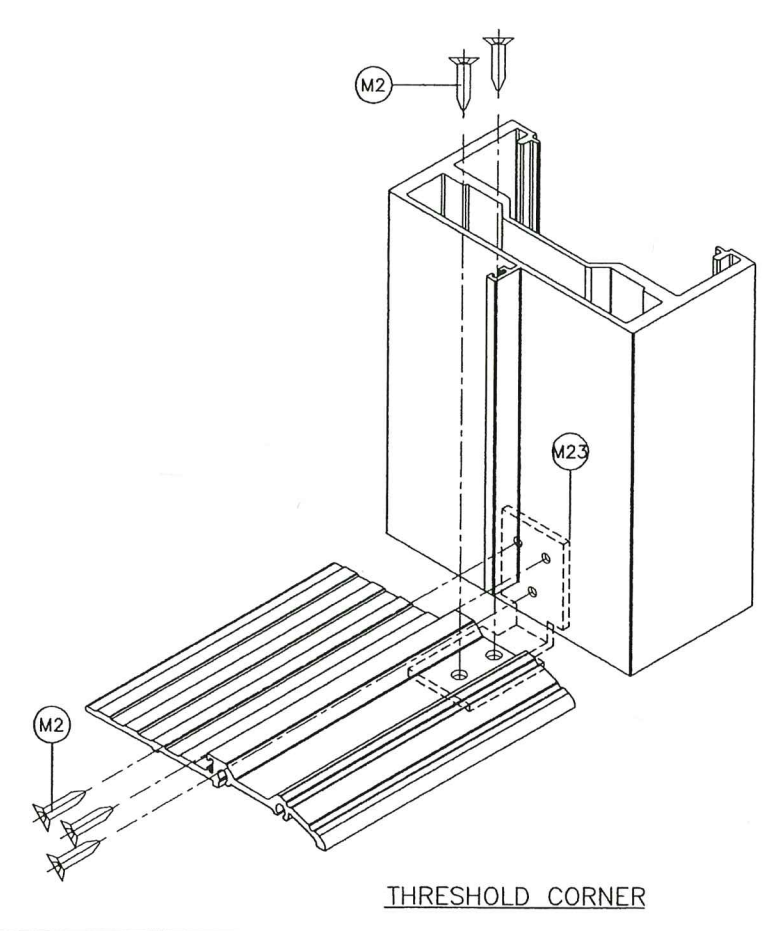
COMP-ANL 24-93D-ESR

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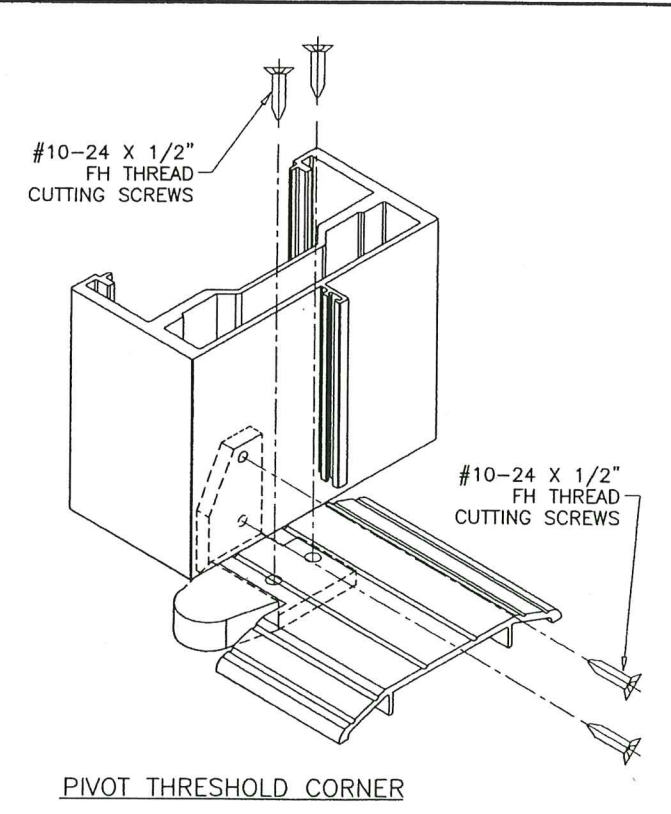
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sheet 16 of 18			



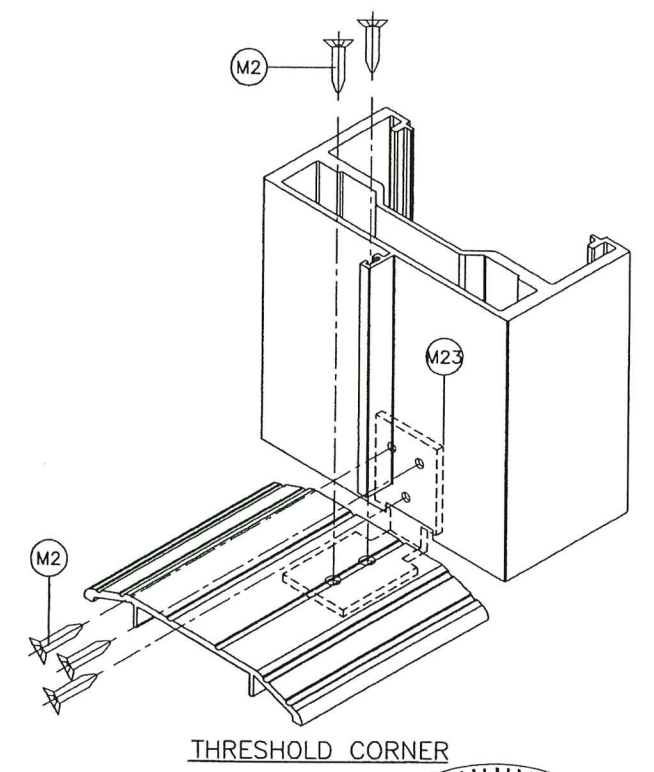
FRAME TOP CORNER



THRESHOLD CORNER



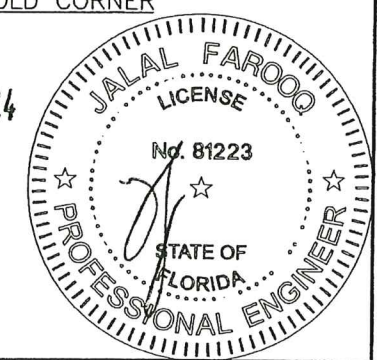
PIVOT THRESHOLD CORNER



THRESHOLD CORNER

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By Ishag I. Chander
Miami Dade Product Control

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MIAMI, FLORIDA 33173
TEL. (305) 264-8100
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FBPE #3538

COMP-ANL 24-93D-ESR

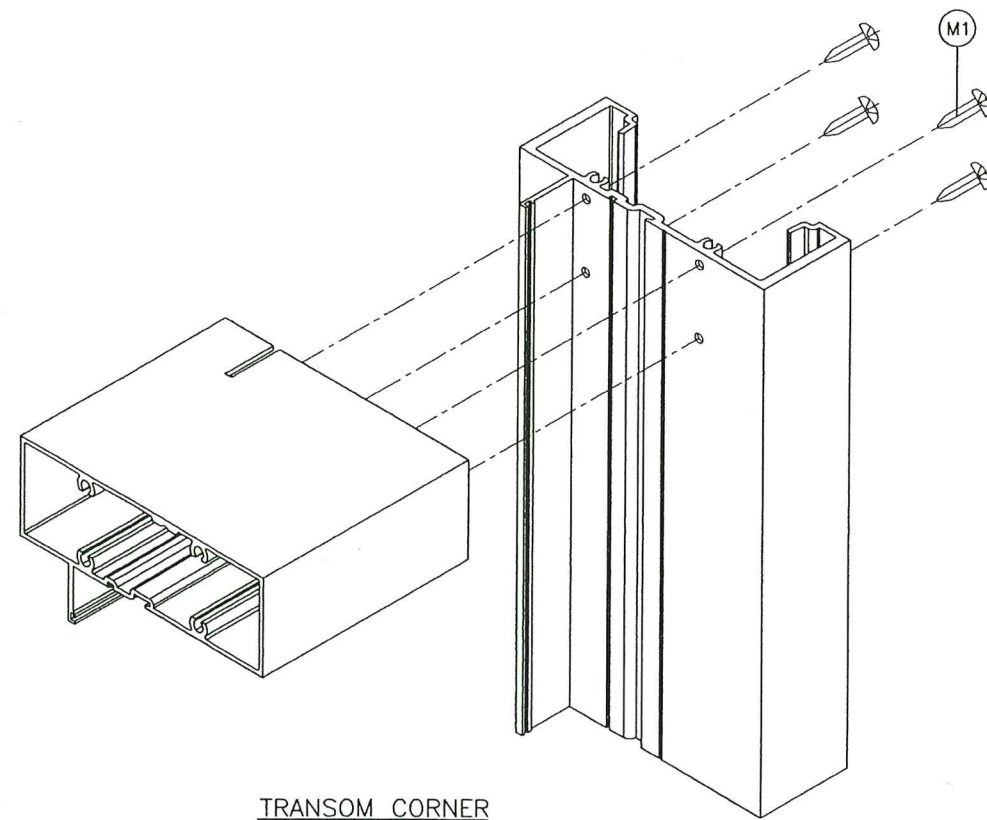
SERIES-9000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

ESR Impact System LLC.
12400 S.W. 134th Court, Suite 8
Miami, FL. 33186
Phone: (305) 489-1608
www. -

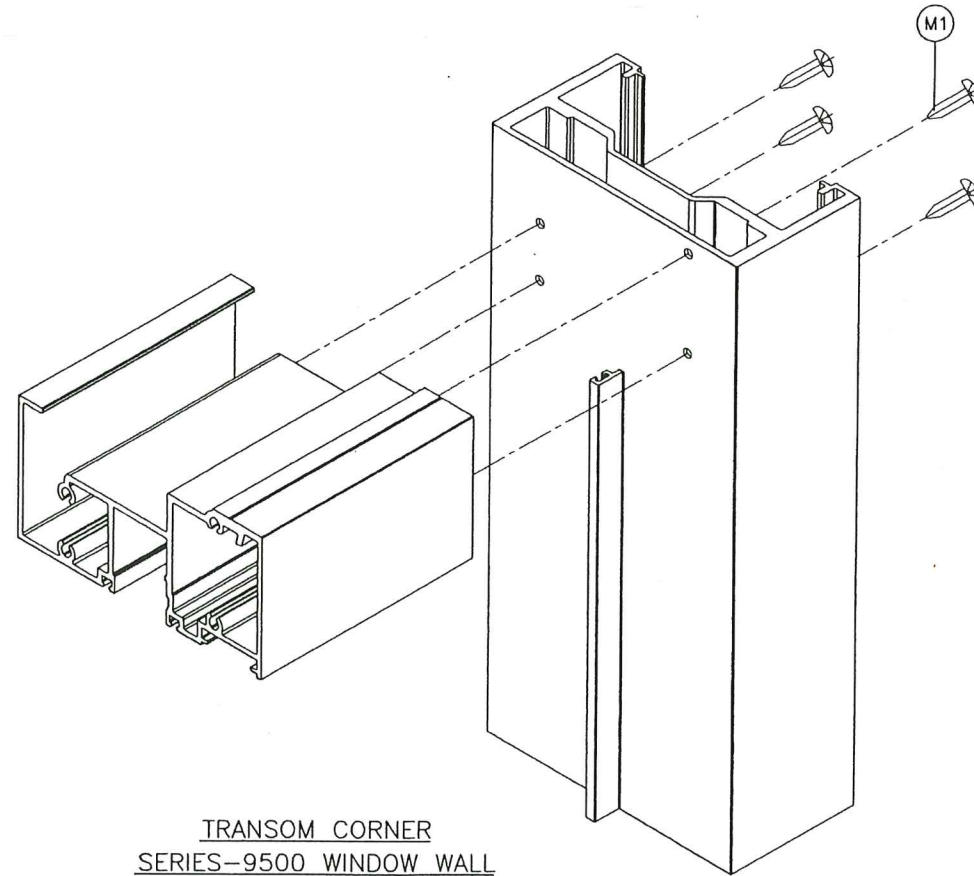
revisions:

no	date	description

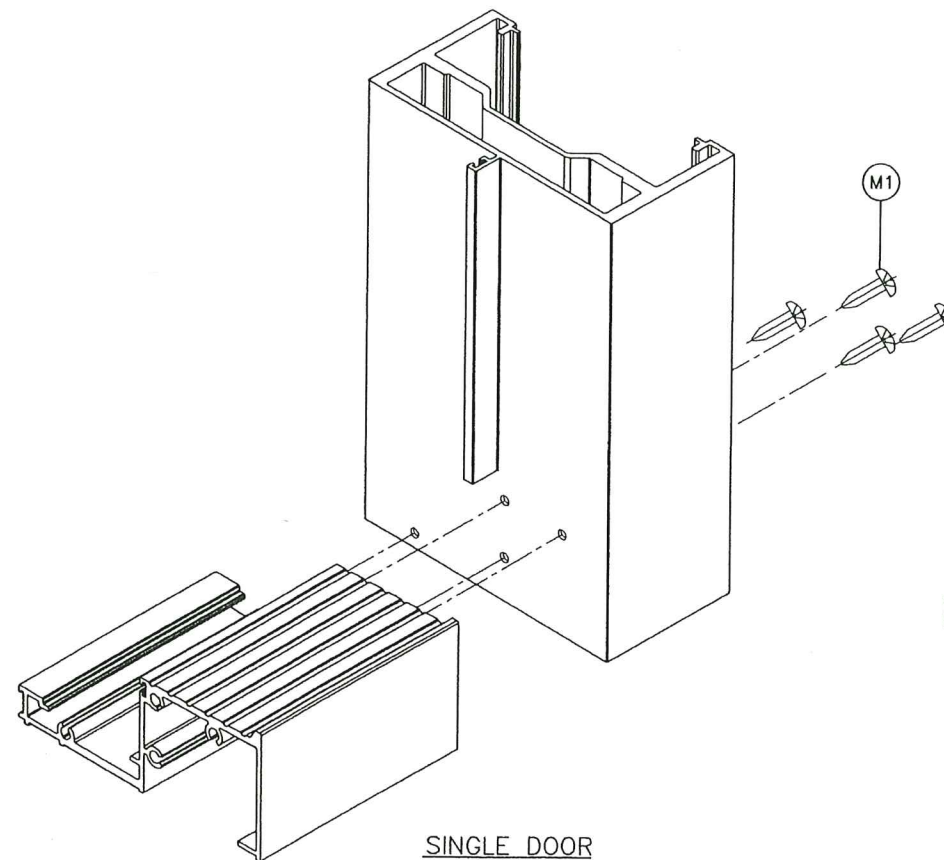
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dr. by: TARIQ
chk. by:
drawing no.
24-93D
sheet 17 of 18



TRANSOM CORNER
SERIES-8000 WINDOW WALL



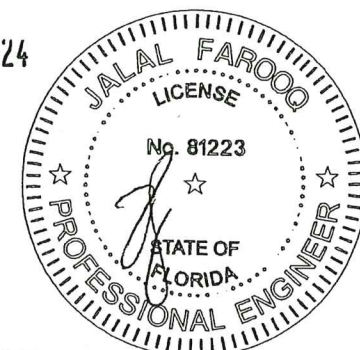
TRANSOM CORNER
SERIES-9500 WINDOW WALL



SINGLE DOOR
MEDIUM & HI-THRESHOLD CORNER

PRODUCT REVISED
as complying with the Florid.
Building Code
Acceptance No. 24-1219.03
Expiration Date 12/24/28
By Ismael J. Chavira
Miami Dade Product Co.

DEC 05 2024



af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538
COMP-ANL\24-93D-ESR

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Revisions:		no date by description	
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sheet 18 of 18			