SHOP DRAWING / SUBMITTAL REVIEW

☑ APPROVED ☐ APPROVED AS NOTED

☐ REVISE AND RESUBMIT ☐ REJECTED

SUBMITTAL WAS REVIEWED FOR DESIGN CONFORMITY AND GENERAL CONFORMANCE TO CONTRACT DOCUMENTS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT JOBSITE FOR TOLERANCE, CLEARANCE, QUANTITIES, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF HIS WORK WITH OTHER TRADES, AND FULL COMPLIANCE WITH CONTRACT DOCUMENTS.

By: C.O. Date: 06/08/2026

ALAYM AGUILAR, P.E.

LIC# 92154

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND E
BOARD AND CODE ADMINISTRATION D

MIAMI-DADE COUNTY
ODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
86) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

# NOTICE OF ACCEPTANC

**ES Windows, LLC**
**3550 NW 49th Street**
**Miami, FL 33142**

## 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 "ES-EL300-9' Aluminum Outswing Door w/wo Sidelites - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W21-06D Rev B**, titled "ES-EL300-9' Aluminum Outswing Door (L.M.I.)", sheets 1 through 12 of 12, dated 03/10/22 and last revised on 07/07/2023, 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 and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, **Baranquilla, Columbia, S.A.**, series, and the 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 # 22-0328.03 (spin-off)** consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

Ishaq I. Chanda

**ES Windows, LLC**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**1. EVIDENCE SUBMITTED**

**A. DRAWINGS**

**1.** Manufacturer's die drawings and sections.

**2.** Drawing No. **W21-06D Rev A**, titled "ES-EL300-9' Aluminum Outswing Door (L.M.I.)", sheets 1 through 12 of 12, dated 03/10/22 and last revised on 03/17/2022, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

**B. TESTS**

**1.** Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC, and TAS 202-94
6) Large Missile Impact Test per FBC, TAS 201-94
7) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum outswing door, prepared by Blackwater Testing, Inc., Test Report No. **BT-ESW-18-006**, dated 10/11/18, signed and sealed by Constantin Bortes, P.E. with Letter of Clarification dated 08/03/17and 02/16/22 issued by Black Water Testing Lab.

**C. CALCULATIONS**

**1.** Anchor verification calculations and structural analysis, complying with **FBC 2020 (7th Edition)**, dated 03/17/22, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

**2.** Glazing complies with **ASTM E1300-09 &-16.**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

**1.** Notice of Acceptance No. **20-0915.21** issued to **Kuraray America, Inc.** for their **"Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 02/08/23.

**F. STATEMENTS**

**1.** Statement letter of conformance to and **FBC-7th Edition (2020)** and of no financial interest dated 03/21/22, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

**G. OTHERS**

**1.** This NOA **revises # 19-0918.03 (spin-off),** expiring 01/04/28.

**2.** Distributor Agreement, signed by Carlos Garcia and by Evelyn Daes (Documents in various ES files).

Ishaq I. Chanda

**Ishaq I. Chanda, P.E.**
**Product Control Unit Supervisor**
**NOA No. 23-0714.10**
**Expiration Date: January 04, 2028**
**Approval Date: August 10, 2023**

**ES Windows, LLC**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**1. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

**1**. Drawing No. **W21-06D Rev B**, titled "ES-EL300-9' Aluminum Outswing Door (L.M.I.)", sheets 1 through 12 of 12, dated 03/10/22 and last revised on 07/07/2023, 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. **20-0915.21** issued to **Kuraray America, Inc.** for their **"Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 02/08/23.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 8th** Edition (**2023**), dated 07/14/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Statement letter of conformance to and **FBC-7th Edition (2020)** and of no financial interest dated 03/21/22, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

**G. OTHERS**

**1.** This NOA **revises 22-0328.03 (spin-off),** expiring 01/04/28.

**2.** Distributor Agreement, signed by Carlos Garcia and by Evelyn Daes (Documents in various ES files).

Ishaq I. Chanda

**Ishaq I. Chanda, P.E.**
**Product Control Unit Supervisor**
**NOA No. 23-0714.10**
**Expiration Date: January 04, 2028**
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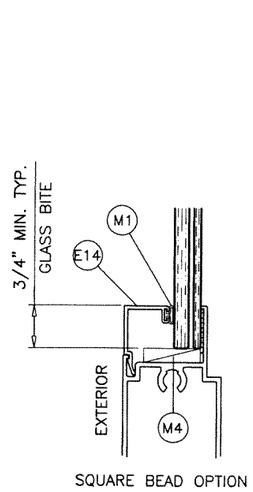
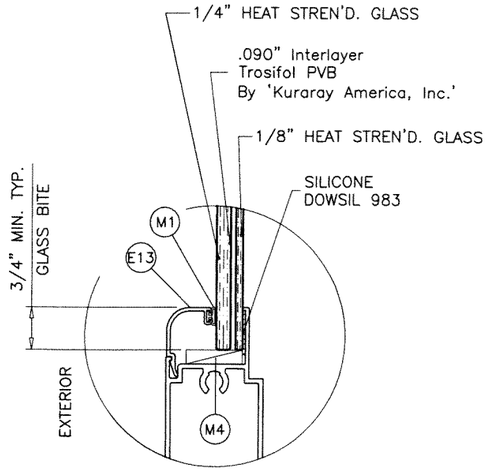
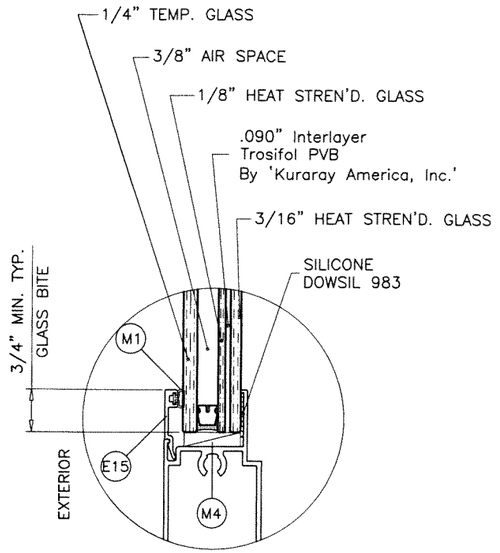



SQUARE BEAD OPTION




GLASS TYPE 'A'
7/16" OVERALL LAM. GLASS




GLASS TYPE 'Ai'
1" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

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

## ES-EL300-9
## ALUMINUM OUTSWING ENTRANCE DOOR

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH OR WITHOUT SIDELITES.
SIDE LITES CAN BE ON ONE OR BOTH SIDES OF DOOR.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/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 2020/2023 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)'.

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No.** 23-0714.10
**Expiration Date** 01/04/2028
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

### INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1 DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

STEP 2 FOR SINGLE (X) AND DOUBLE (XX) DOOR CAPACITIES SEE SHEET 2.

STEP 3 FOR SIDELITE PANEL (O) CAPACITY SEE SHEET 3.

STEP 4 FOR SIDELITE COMBINATION WITH DOOR SEE MULLION CAPACITY CHART ON SHEET 4.

STEP 5 THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

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

GLASS TYPES 'A' & 'Ai' COMPLY WITH REQUIREMENTS OF ANSI Z97.1.
SAFEGUARD REQUIREMENTS TO BE VERIFIED.

JUL 07 2023

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978


COMP-ANL\21-06D-ES

ES-EL300-9 ALUMINUM OUTSWING DOOR (L.M.I.)

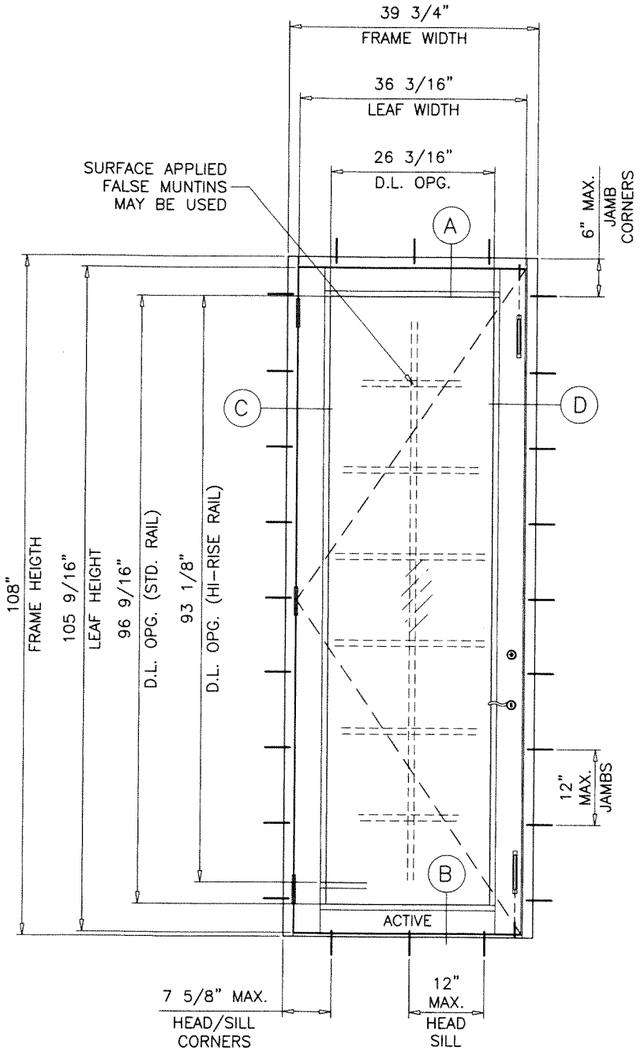

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158


| revisions: | | | |
|---|---|---|---|
| no | date | by | description |
| A | 03.10.22 | | NO CHANGE THIS SHEET |
| B | 06.29.23 | | UPDATED TO 2023 FBC |

date: 09-17-21
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

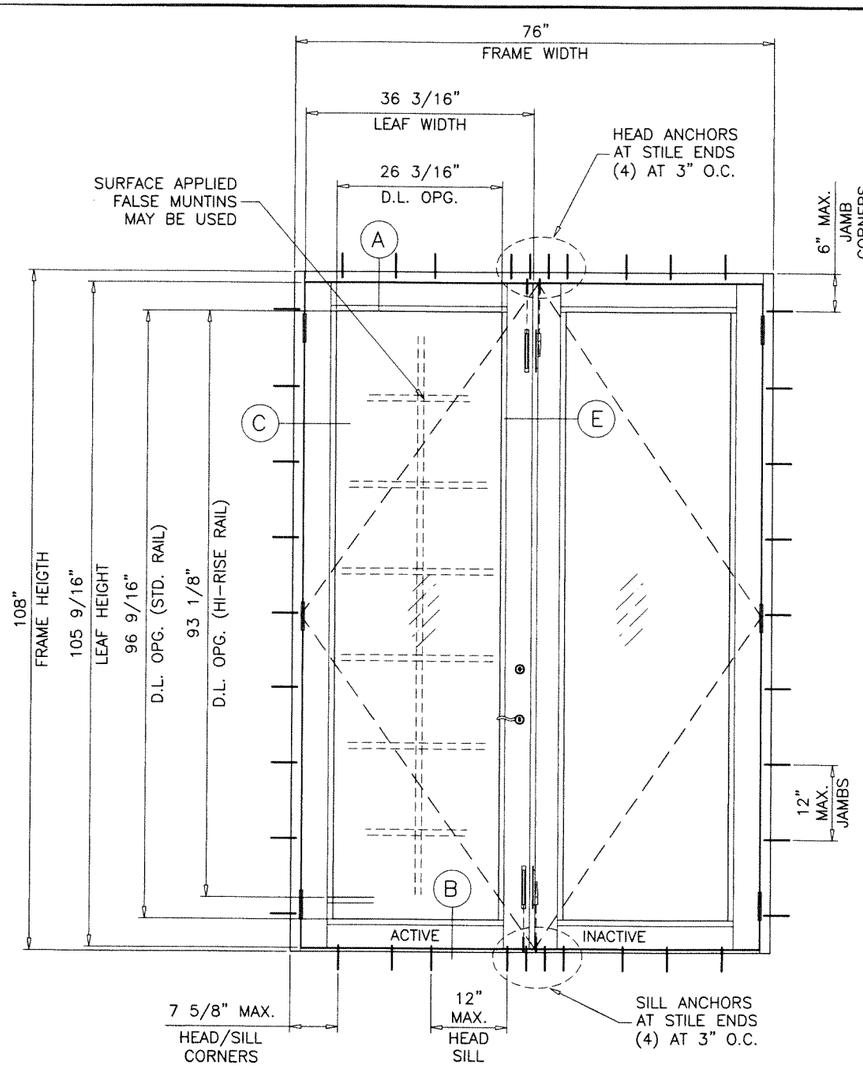
drawing no. 21-06D

sheet 1 of 12




TYPICAL ELEVATION

( X )




TYPICAL ELEVATION

( XX )

| SINGLE DOORS LOAD CAPACITY - PSF | | | | | |
|---|---|---|---|---|---|
| FRAME | | LEAF | | EXT.(+) | INT.(-) |
| WIDTH | HEIGHT | WIDTH | HEIGHT | | |
| 39-3/4" | 108" | 36-3/16" | 105-9/16" | 80.0 | 80.0 |

| DOUBLE DOORS LOAD CAPACITY - PSF | | | | | |
|---|---|---|---|---|---|
| FRAME | | LEAF | | EXT.(+) | INT.(-) |
| WIDTH | HEIGHT | WIDTH | HEIGHT | | |
| 76" | 108" | 36-3/16" | 105-9/16" | 80.0 | 80.0 |

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No.** 23-0714.10
**Expiration Date** 01/04/2028
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

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

GLASS D.L.O. FORMULAE:
D.L.O. WIDTH = FRAME WIDTH - 13.563" (X DOORS)
= (FRAME WIDTH - 23.625")/2 (XX DOORS)
D.L.O. HEIGHT = FRAME HEIGHT - 11.438" (STD. BOT. RAIL)
= FRAME HEIGHT - 14.875" (HI-RISE BOT. RAIL)

JUL 07 2023

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER


afc
**AL-FAROOQ CORPORATION**
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COMP-ANL\21-06D-ES


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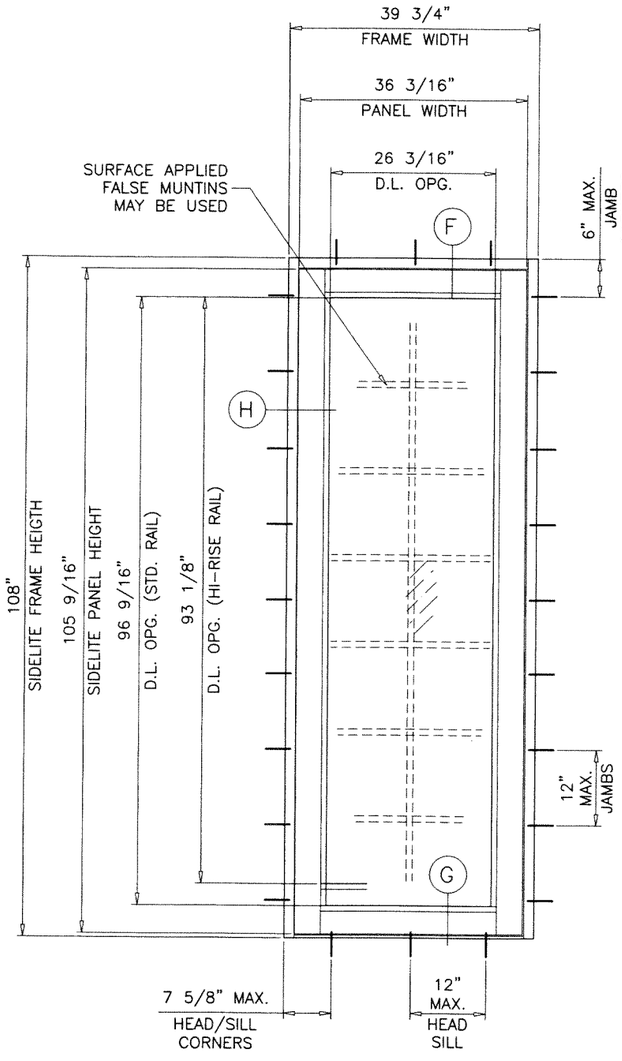
revisions:

| no | date | by | description |
|---|---|---|---|
| A | 03.10.22 | | NO CHANGE THIS SHEET |
| B | 06.29.23 | | NO CHANGE THIS SHEET |

date: 09-17-21
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

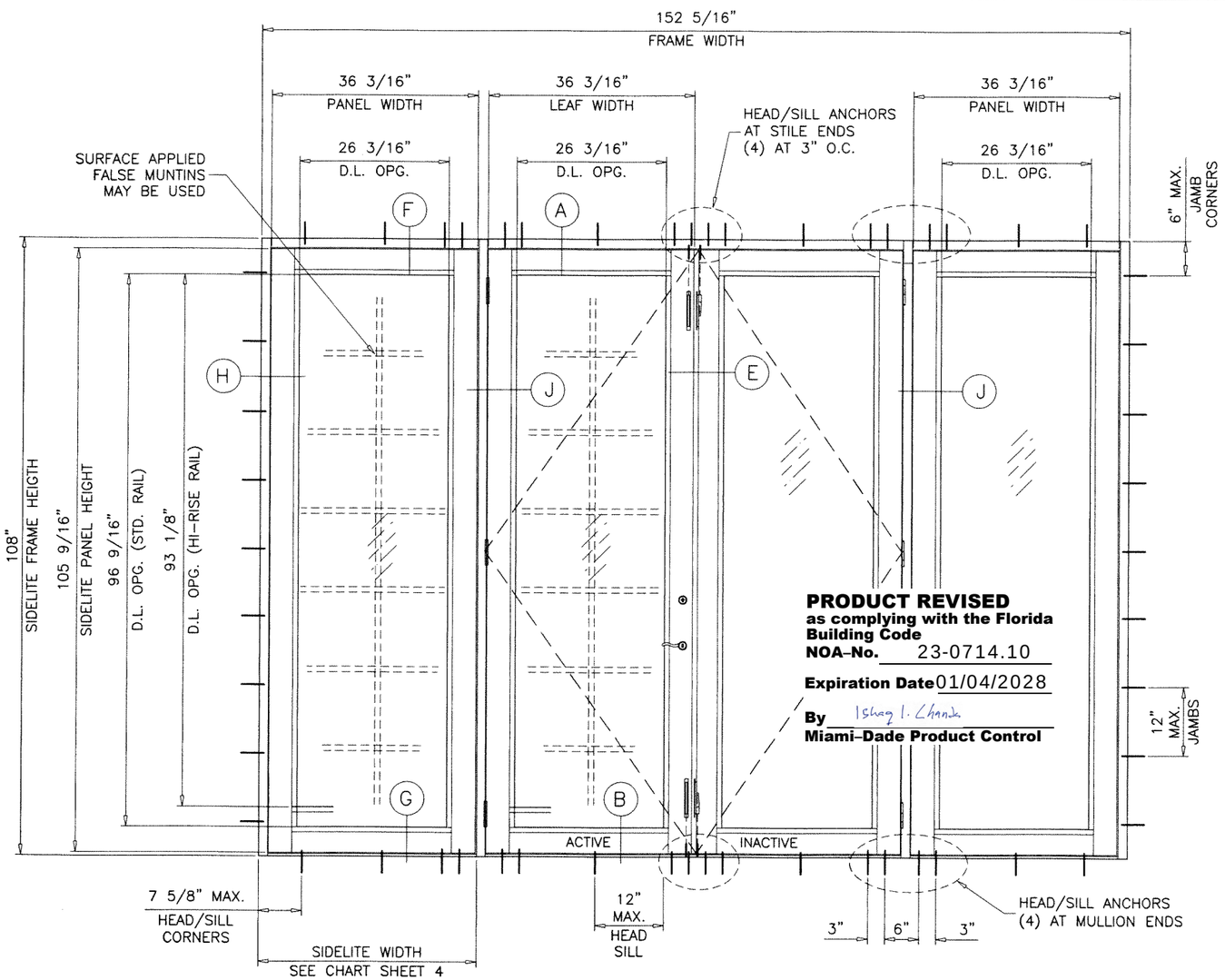
drawing no. 21-06D

sheet 2 of 12




TYPICAL ELEVATION

( O )




TYPICAL ELEVATION

( O-XX-O )

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No.** 23-0714.10
**Expiration Date** 01/04/2028
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

NOTE:
THE FRAME AREA OF ALTERNATE SIZE MUST NOT EXCEED TESTED FRAME AREA = 98.7 SQ. FT.

| SIDELITE LOAD CAPACITY - PSF OR STAND ALONE STATIONARY PANEL (O) | | | | | |
|---|---|---|---|---|---|
| FRAME | | PANEL | | EXT.(+) | INT.(-) |
| WIDTH | HEIGHT | WIDTH | HEIGHT | | |
| 39-3/4" | 108" | 36-3/16" | 105-9/16" | 80.0 | 80.0 |

SIDELITE WIDTH = FRAME WIDTH - 1-5/8"
(SEE CHART ON SHEET 4)

D.L.O. HEIGHT (SIDELITE) = FRAME HEIGHT - 11.438" (STD. BOT. RAIL)
= FRAME HEIGHT - 14.875" (HI-RISE BOT. RAIL)
D.L.O. WIDTH (SIDE LITE) = FRAME WIDTH - 13.563"

JUL 07 2023

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER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COMP-ANL\21-06D-ES

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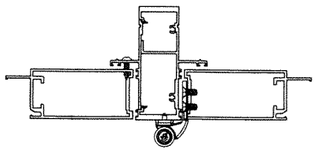
| B | 06.29.23 | | NO CHANGE THIS SHEET |

date: 09-17-21
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no. 21-06D

sheet 3 of 12

| DESIGN LOAD CAPACITY – PSF<br>DOOR TO SIDELITE MULLION | | |
|---|---|---|
| SIDELITE WIDTH INCHES | FRAME HEIGHT INCHES | EXT. (+)<br>INT. (–) |
| 18 | 84 | 80.0 |
| 24 | | 80.0 |
| 30 | | 80.0 |
| 38 | | 80.0 |
| 42 | | 80.0 |
| 18 | 90 | 80.0 |
| 24 | | 80.0 |
| 30 | | 80.0 |
| 38 | | 80.0 |
| 42 | | 80.0 |
| 18 | 96 | 80.0 |
| 24 | | 80.0 |
| 30 | | 80.0 |
| 38 | | 76.8 |
| 42 | | 73.0 |
| 18 | 108 | 73.2 |
| 24 | | 66.2 |
| 30 | | 60.3 |
| 38 | | 54.0 |



DOOR TO SIDELITE MULLION

NOTE:
FOR DOORS CAPACITY SEE SHEET 2
FOR SIDELITE CAPACITIES SEE SHEET 3.
FOR SIDELITE MULLION CAPACITY SEE CHART ABOVE
LOWER VALUES FROM DOORS, SIDELITE OR DOOR/SIDELITE MULLION CHART WILL APPLY TO ENTIRE SYSTEM.

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA–No.** 23-0714.10
**Expiration Date** 01/04/2028
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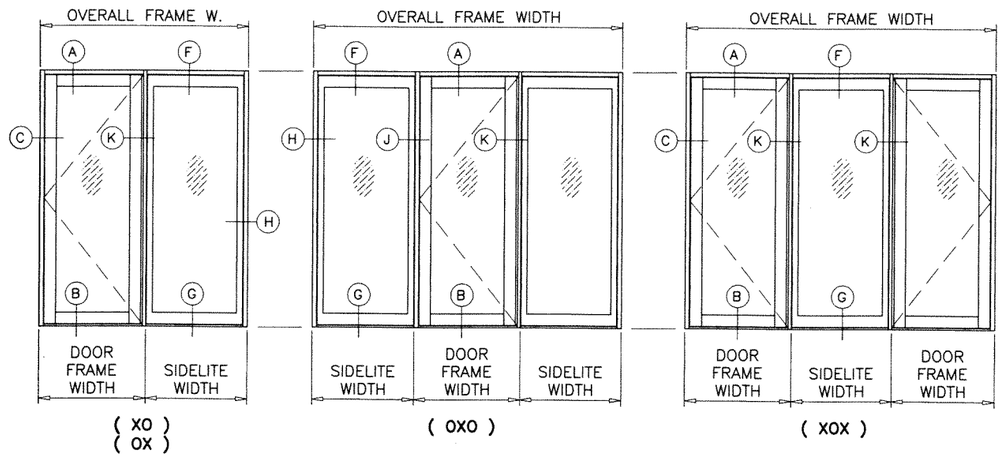
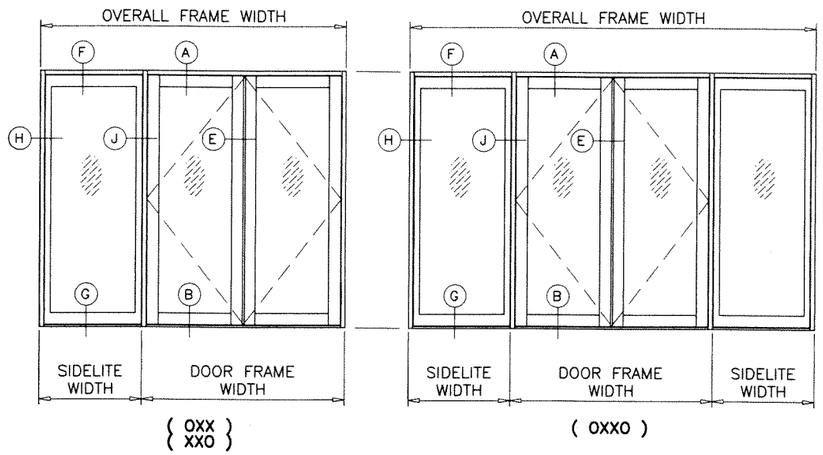
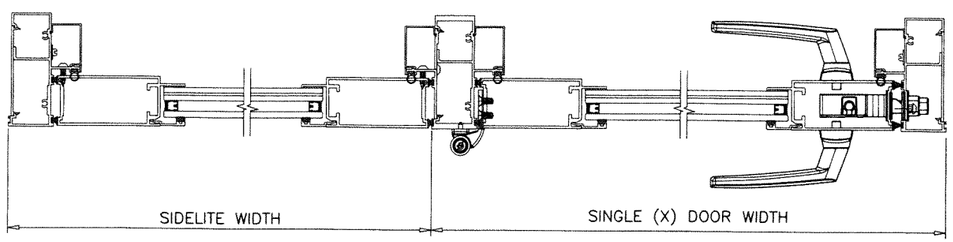
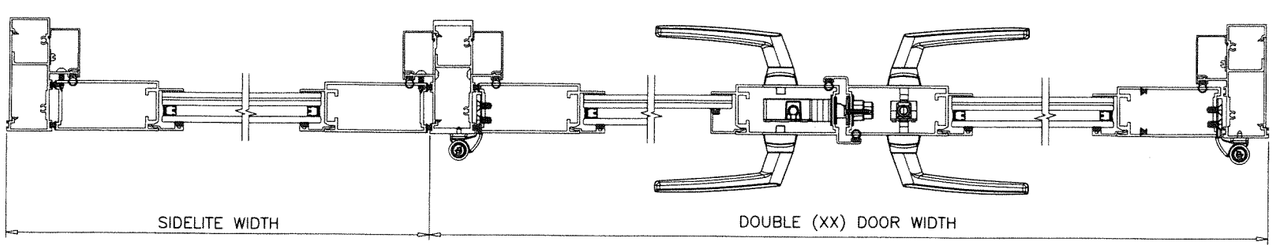
**Miami–Dade Product Control**




APPROVED CONFIGURATIONS




JUL 07 2023

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER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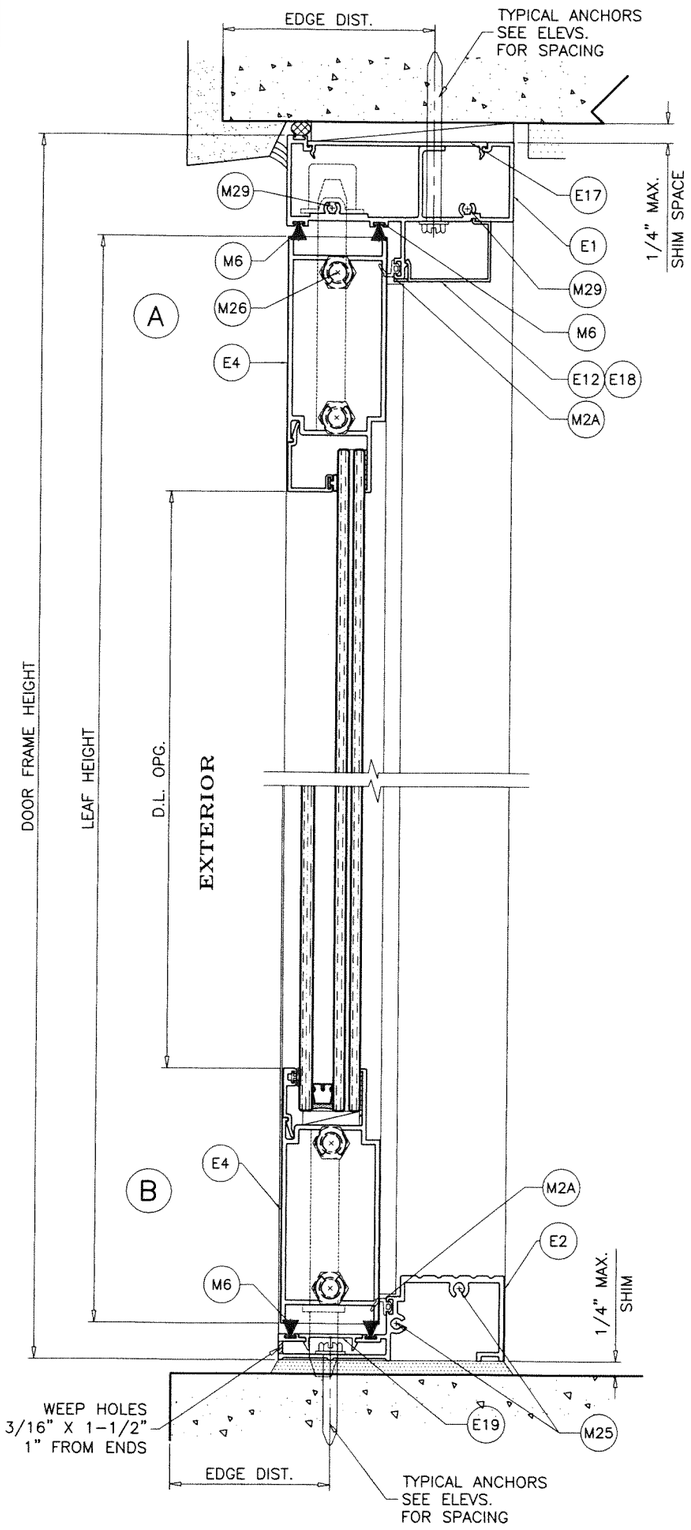


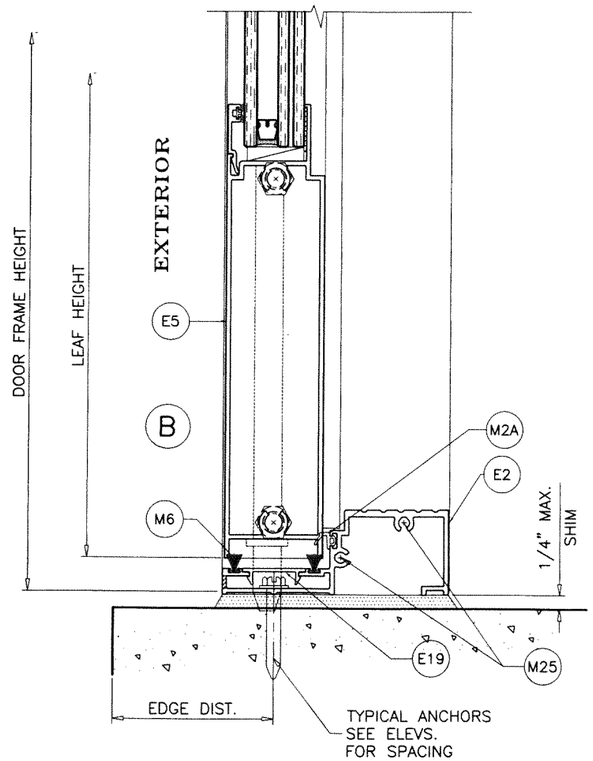


**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No.** 23-0714.10
**Expiration Date** 01/04/2028
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

DOOR DETAILS

JUL 07 2023

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER


**AL-FAROOQ CORPORATION**
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978


COMP-ANL\21-06D-ES

ES-EL300-9 ALUMINUM OUTSWING DOOR (L.M.I.)


E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158


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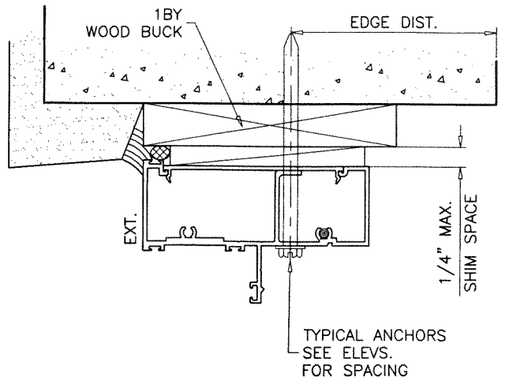
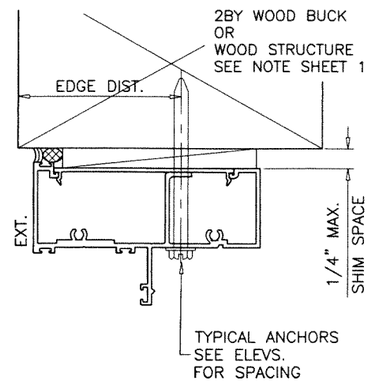
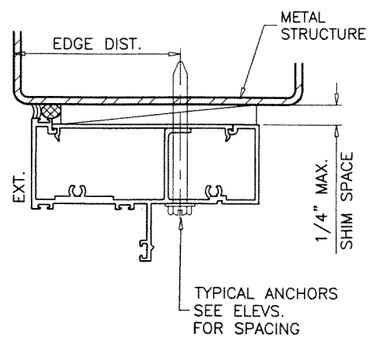
dr. by: TARIQ
chk. by:

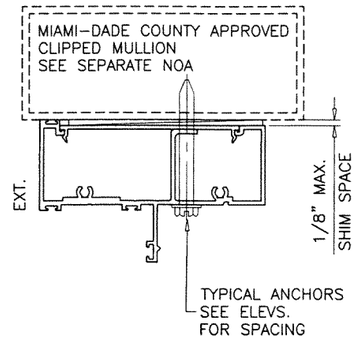
drawing no. 21-06D

sheet 5 of 12




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" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR GROUT FILLED BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

**1/4" DIA. 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)

**TYPICAL EDGE DISTANCE**

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" 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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**Expiration Date** 01/04/2028
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

JUL 07 2023

DOOR DETAILS

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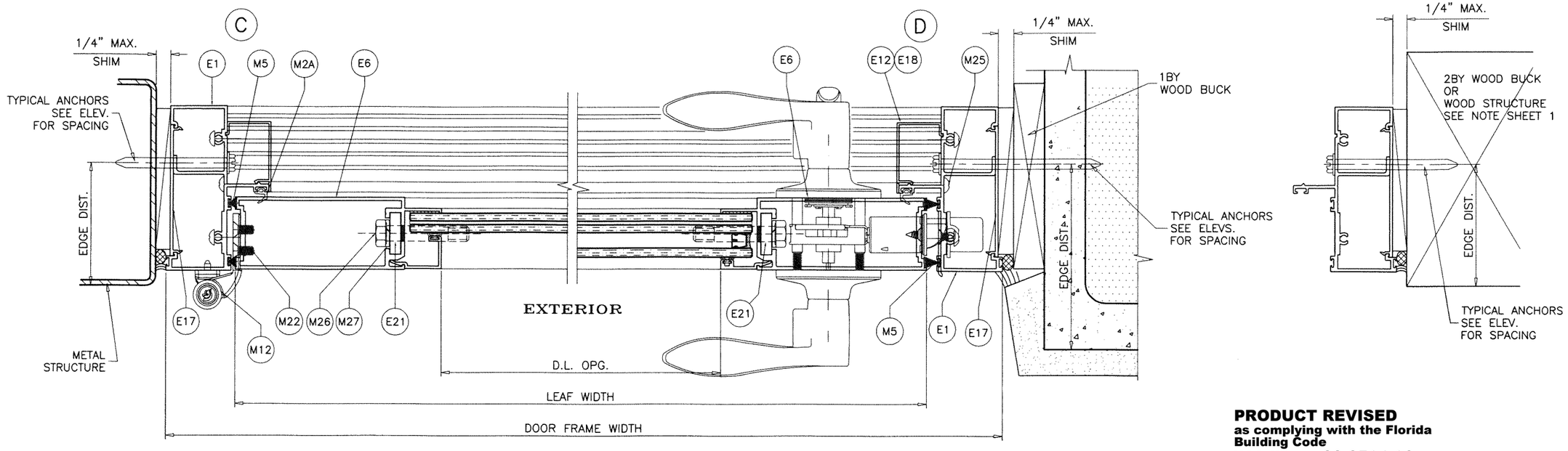





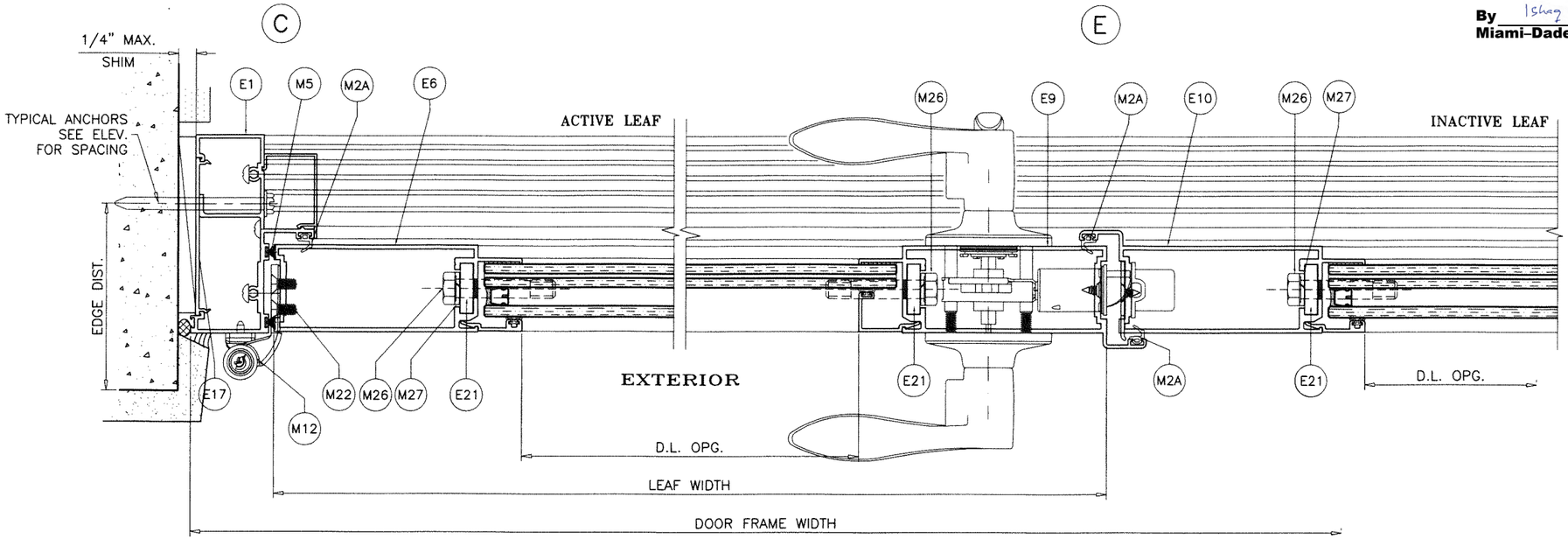


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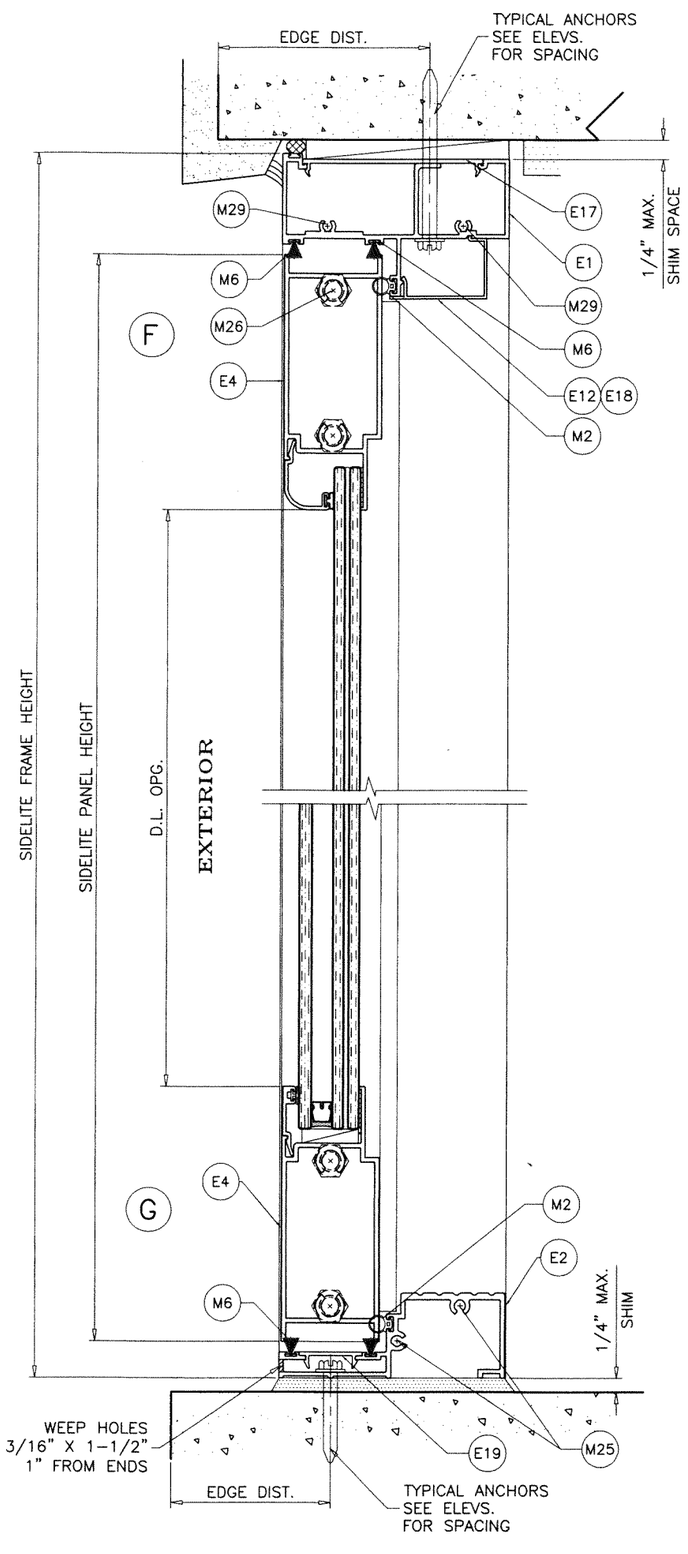
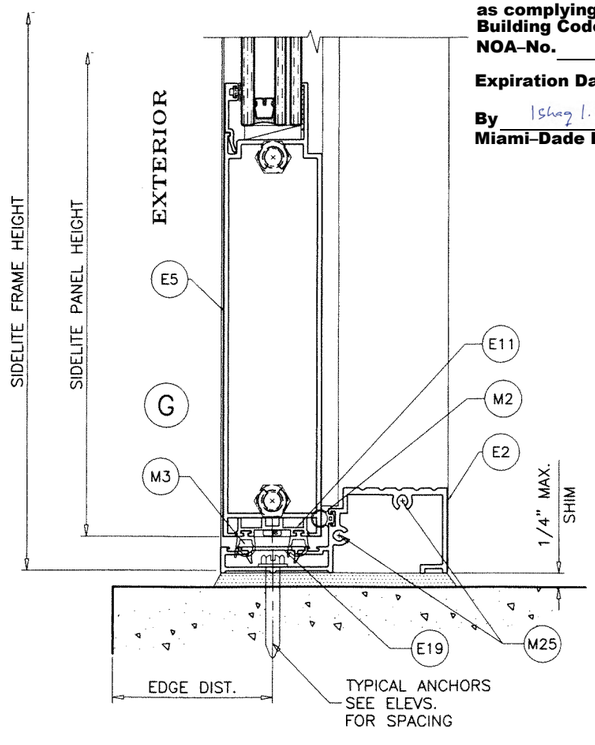
sheet 7 of 12

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SIDELITE DETAILS

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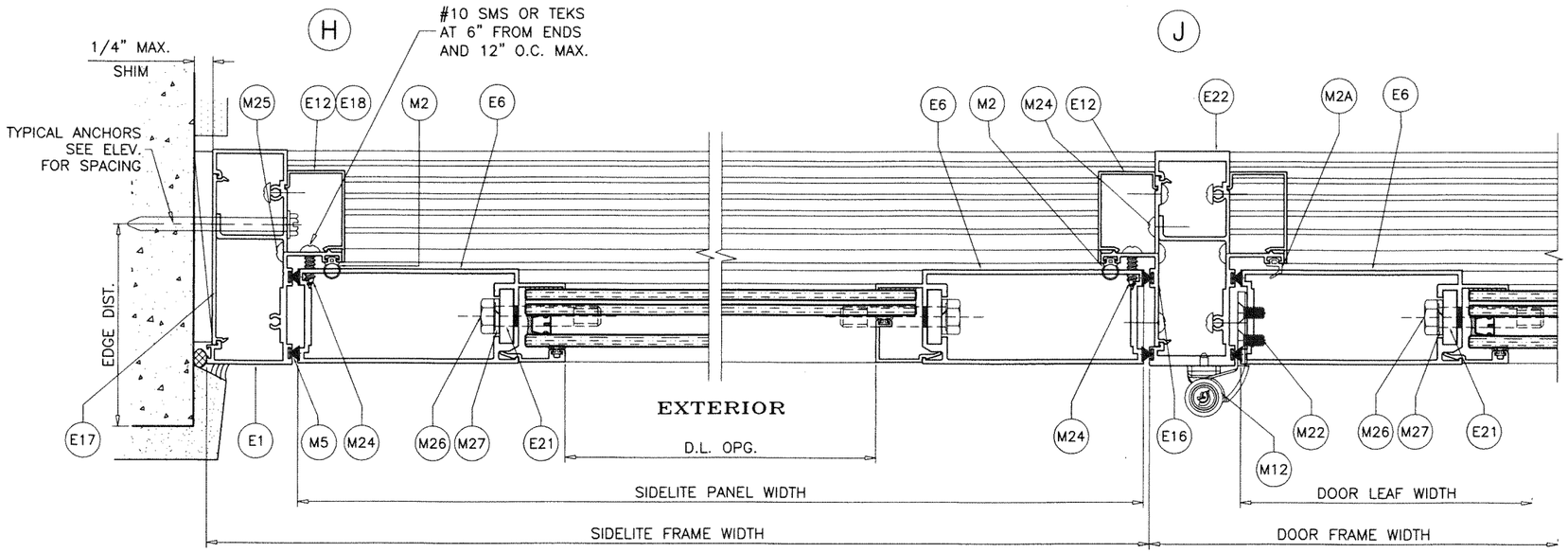


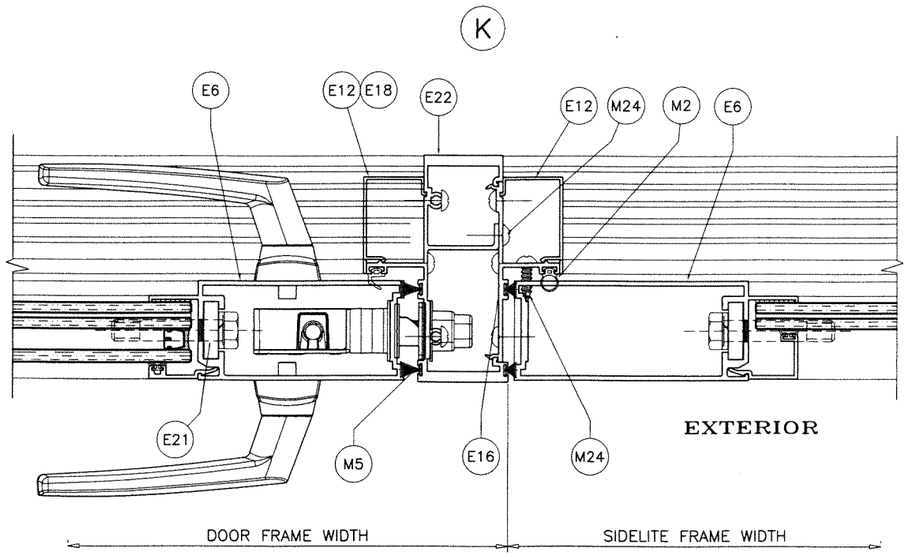


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| ITEM # | PART # | REQD. | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|---|---|---|---|---|---|
| E1 | ES-EL300-001 | 3 | FRAME HEAD/JAMB | 6063-T6 | - |
| E2 | ES-EL300-002 | 1 | FRAME SILL (STD.) | 6063-T6 | - |
| E4 | ES-EL300-004 | 2/ LEAF | TOP AND BOTTOM RAIL | 6063-T6 | - |
| E5 | ES-EL300-005 | 1/ LEAF | HI-RISE BOTTOM RAIL | 6063-T6 | - |
| E6 | ES-EL300-020 | 1/ LEAF | JAMB STILE | 6063-T6 | - |
| E9 | ES-EL300-021 | 1 | ASTRAGAL STILE (ACTIVE) | 6063-T6 | - |
| E10 | ES-EL300-022 | 1 | ASTRAGAL STILE (INACTIVE) | 6063-T6 | - |
| E12 | ES-EL300-012 | 1 | FRAME COVER | 6063-T5 | - |
| E13 | ES-EL300-013 | 4/ LEAF | GLASS STOP (LAM. GLASS) | 6063-T5 | - |
| E14 | ES-EL300-014 | 4/ LEAF | GLASS STOP (LAM. GLASS) | 6063-T5 | - |
| E15 | ES-EL300-015 | 4/ LEAF | GLASS STOP (INSUL. LAM. GLASS) | 6063-T5 | - |
| E16 | ES-EL300-016 | AS REQD. | SNAP IN FILLER | 6063-T6 | - |
| E17 | ES-EL300-017 | AS REQD. | EXTERIOR TRIM | 6063-T6 | - |
| E18 | ES-EL300-018 | AS REQD. | FRAME COVER | 6063-T5 | - |
| E19 | ES-EL300-019 | 1 | COVER STD. SILL | 6063-T6 | - |
| E21 | ACC-PL-020 | 1 | BACK UP PLATE | 6063-T6 | - |
| E22 | ES-EL300-026 | 1 | MULLION | 6063-T6 | - |
| | | | | | |
| M1 | ES-5008A | AS REQD. | GLAZING GASKET | SILICONE | DUROMETER 65±5 SHORE A |
| M2 | ES-P251-G05A | AS REQD. | SIDELITE GASKET | SILICONE | DUROMETER 70±5 SHORE A |
| M2A | ES-EL300-G01 | AS REQD. | DOOR LEAF GASKET | SILICONE | DUROMETER 65±5 SHORE A |
| M4 | ES-21-B04A | 2/ LITE | SETTING BLOCKS AT 1/4 POINTS | SILICONE | DUROMETER 80±5 SHORE A |
| M5 | W23221NG | AS REQD. | PILE W'STRIPPING | POLYPROPYLENE | - |
| M6 | W23221NK | AS REQD. | PILE W'STRIPPING | POLYPROPYLENE | - |
| M7 | W23381NK | AS REQD. | PILE W'STRIPPING | POLYPROPYLENE | - |
| M12 | DH01-6005 | 4/ LEAF | ATHENA HINGE | - | - |
| M22 | #12-24 X 1/2" | - | HINGE FASTENERS | ST/ST | FH SMS |
| M24 | #10 X 3/4" | - | FIX. PANEL FASTENERS, AT 6" FROM ENDS & 12" O.C. | ST/ST | PH SMS |
| M25 | #12 X 1-3/4" | - | FRAME ASSEMBLY FASTENERS | ST/ST | PH SMS |
| M26 | 3/8-16 X 2" | - | LEAF/PANEL ASSEMBLY FASTENERS | ST/ST | HEX CAP FULL THREAD 18-8 |
| M27 | - | - | 3/8" WASHER | ST/ST | HEX CAP FULL THREAD 18-8 |
| M29 | #10 X 1-3/4" | AS REQD. | HEAD ASSEMBLY FASTENERS | ST/ST | PH SMS |

## LOCKS:

**ACTIVE LEAF:**

CONVENTIONAL DOOR LOCKSET WITH HANDLE
BY 'BALDWIN' LOCATED AT 37" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR THROW BOLT LOCATED AT 45" FROM BOTTOM

CONCEALED FLUSH BOLTS FB-1202 BY 'SULLIVAN & ASSOCIATES'
1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON STILE FACE
LOCATED AT 12" FROM TOP AND BOTTOM
LOCK FASTENED TO STILE WITH (2) #8-32 X 1/2" FH MS

**INACTIVE LEAF:**

CONCEALED FLUSH BOLTS FB-1202 BY 'SULLIVAN & ASOCIATES'
1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE
OF LEAF STILE LOCATED AT 12" FROM TOP AND BOTTOM
LOCK FASTENED TO STILE WITH (2) #8-32 X 1/2" FH MS

## HINGES:

STAINLESS STEEL ATHENA HINGES BY 'SECURISTYLE'
FASTENED WITH 12-24 X 1/2" FH MACHINE SCREWS
FOUR PER HASP(LEAF).
TOP HINGES AT 9" FROM TOP
BOTTOM HINGES AT 7-1/2" FROM BOTTOM
(1) HINGE AT MIDSPAN

## SEALANTS:

ALL FRAME AND LEAF JOINTS AND SEAMS SEALED
WITH DOWSIL 791 SILICONE.

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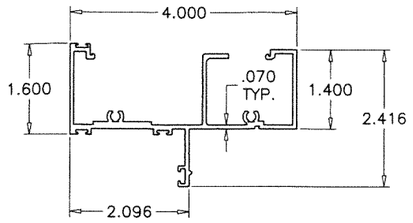
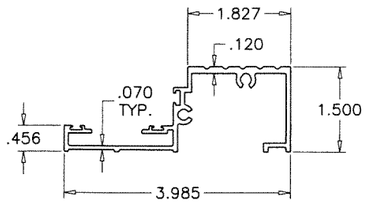
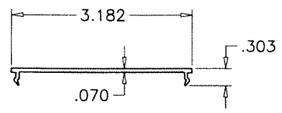


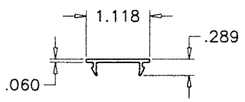

E1 FRAME HEAD/JAMB



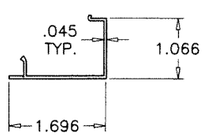

E2 FRAME SILL (STD.)



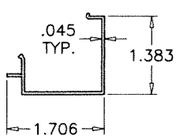

E17 EXTERIOR TRIM



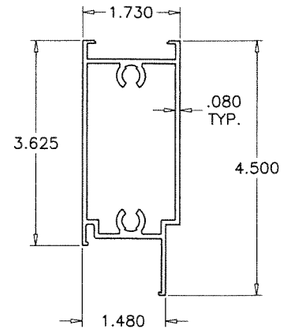

E19 COVER STD. SILL



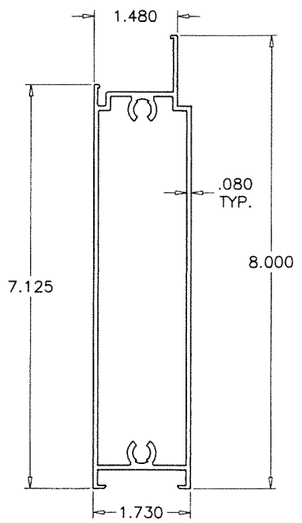

E12 FRAME COVER



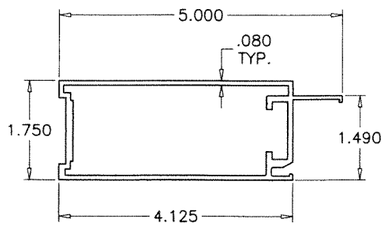

E18 FRAME COVER



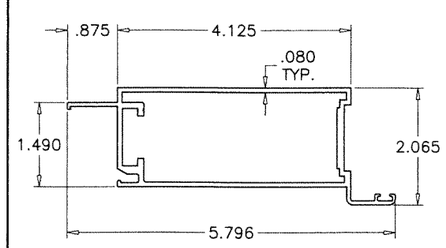

E4 TOP AND BOTTOM RAIL



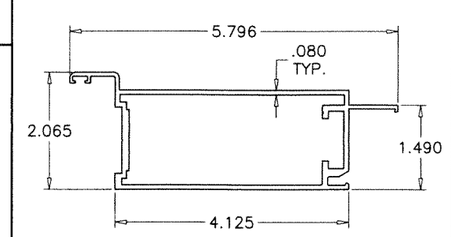

E5 HI-RISE BOTTOM RAIL



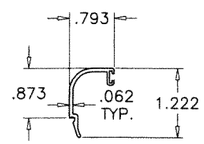

E6 JAMB STILE



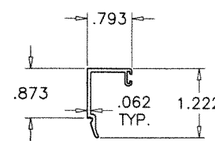

E9 ASTRAGAL STILE (ACTIVE)



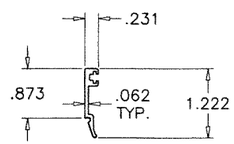

E10 ASTRAGAL STILE (INACTIVE)



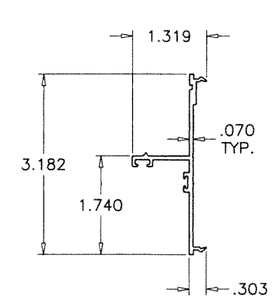

E13 GLASS STOP (LAM. GLASS)



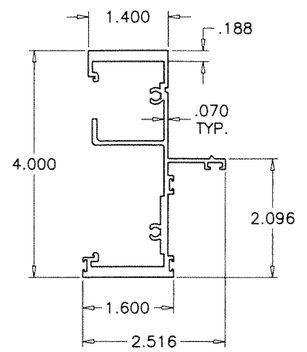

E14 GLASS STOP (INSUL. LAM. GLASS)




E15




E16 SNAP IN FILLER




E22 MULLION

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No.** 23-0714.10
**Expiration Date** 01/04/2028
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

JUL 07 2023

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER


**AL-FAROOQ CORPORATION**
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978


COMP-ANL\21-06D-ES

ES-EL300-9 ALUMINUM OUTSWING DOOR (L.M.I.)


E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5158 FAX. (305) 638-5151

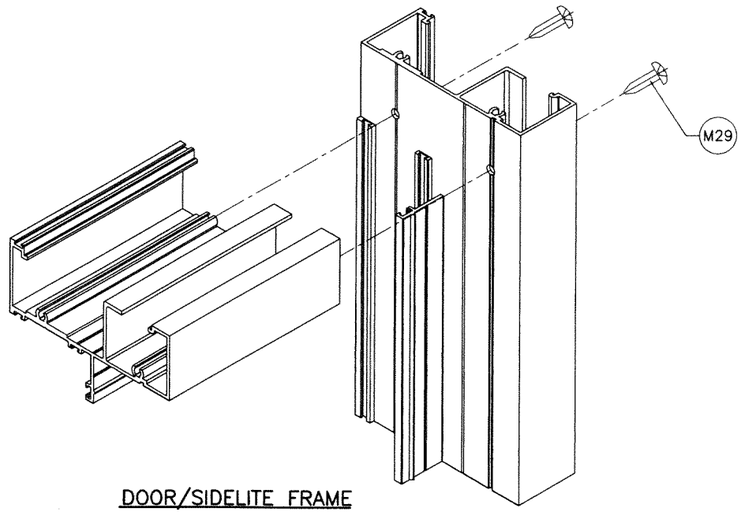

revisions:

| no | date | by | description |
|---|---|---|---|
| A | 03.10.22 | | NO CHANGE THIS SHEET |
| B | 06.29.23 | | NO CHANGE THIS SHEET |

date: 09-17-21
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

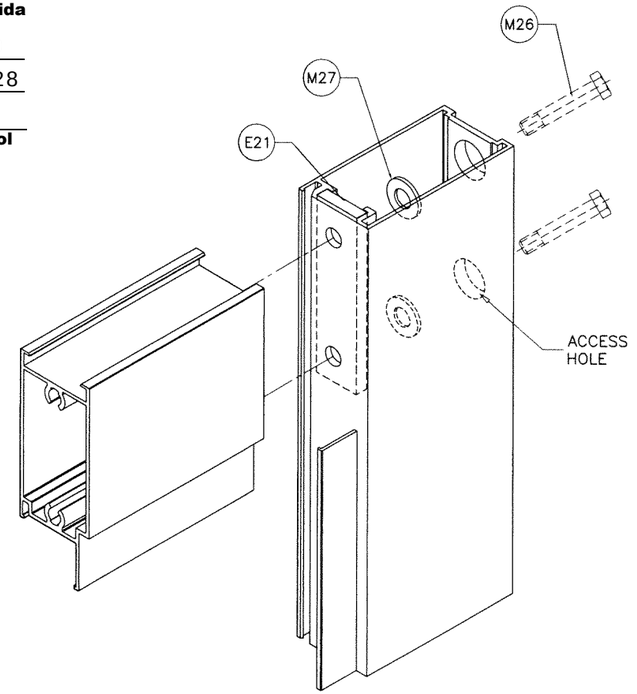
drawing no. 21-06D

sheet 11 of 12

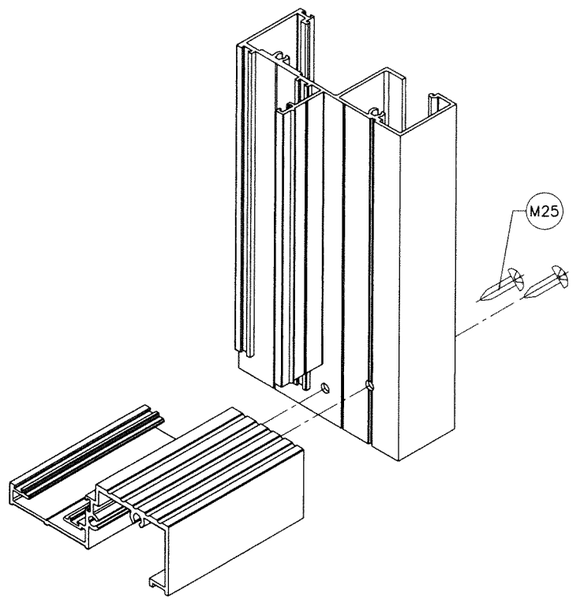



DOOR/SIDELITE FRAME
TOP CORNER

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA-No.** 23-0714.10
**Expiration Date** 01/04/2028
**By** Ishaq I. Chanda
**Miami-Dade Product Control**




DOOR LEAF CORNER
SIDELITE PANEL CORNER




DOOR/SIDELITE FRAME
BOTTOM CORNER

JUL 07 2023

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER


**AL-FAROOQ CORPORATION**
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9360 SUNSET DRIVE, SUITE 220
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