MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

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.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

E.S. 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-VT30" Aluminum Glass Railing System.

APPROVAL DOCUMENT: Drawing No. **JA-1337-26-2**, titled **ES-VT30 Aluminum Glass Railing System,** sheets 1 through 10 of 10, dated 06/25/26, prepared by Javad Ahmad PE, Inc., signed and sealed by Javad Ahmad, P.E., on 07/20/26, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval date by the Miami-Dade County Product Control Section.

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

LABELING: A permanent label with the manufacturer's name or logo, **Barranquilla, Colombia**, model/ series, and the statement reading: "Miami-Dade County Product Control Approved", is to be located on each unit.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**

Helmy A. Makar
10/15/26

MIAMI-DADE COUNTY APPROVED

NOA No. 26-0724.05
Expiration Date: 10/15/2031
Approval Date: 10/15/2026

E.S. Windows, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **JA-1337-26-2**, titled **ES-VT30 Aluminum Glass Railing System,** sheets 1 through 10 of 10, dated 06/25/26, prepared by Javad Ahmad PE, Inc., signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   2) Concentrated and Distributed Load Test per FBC, 1618.4.6
   3) Safety Performance Test, (class A) per ANSI Z97.1
   along with installation diagram of Series "ES-VT30 Aluminum Glass Railing System-**LMI**, prepared by Blackwater Technical Services, Inc., Test Report No. **BT-ESW-24-013**, dated 06/10/24, signed and sealed by Michael D. Caldwell, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 9th Edition (2026), dated 07/20/26, prepared by Javad Ahmad P.E., Inc., signed and sealed by Javad Ahmad, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **23-0717.30** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 08/31/23, expiring on 07/04/28.

F. STATEMENTS

1. Statement letter of code conformance to the **FBC 9th Edition (2026)** issued Javad Ahmad P.E., Inc., signed and sealed by Javad Ahmad, P.E.
2. Statement letter of no financial interest issued by Javad Ahmad P.E., Inc., signed and sealed by Javad Ahmad, P.E.

G. OTHERS

1. None.

Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 26-0724.05
Expiration Date: 10/15/2031
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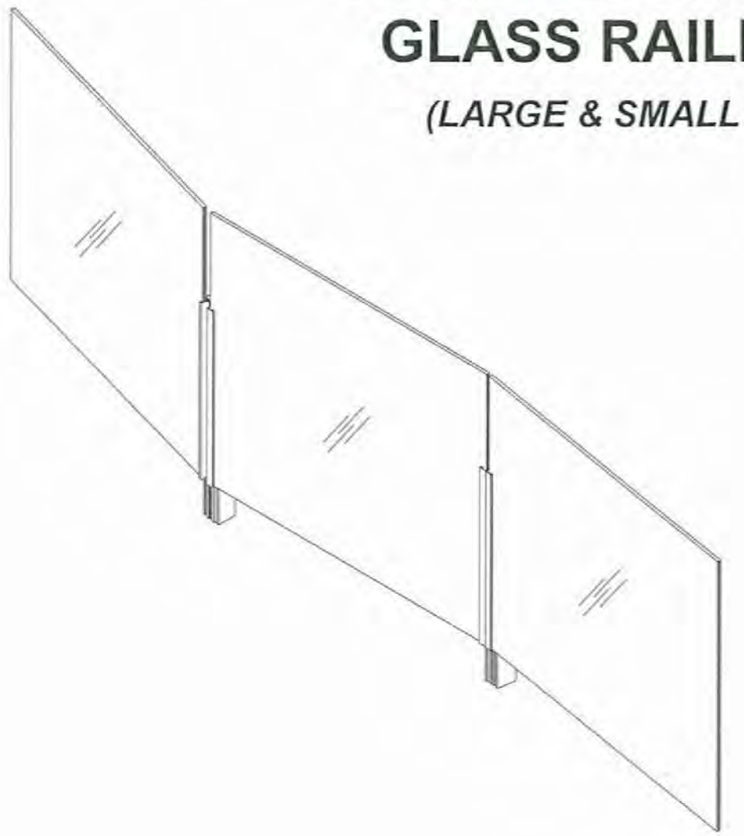
The following pages in this document were submitted by the manufacturer (third party) to represent the product being approved and establish the limits of use. The pages may include technical drawings, schematics and installation details.

SHEET INDEX	
01	COVER PAGE
02	TYPICAL PLAN & ELEVATION
03	GLAZING DETAIL
04	SECTION DETAILS
05	SECTION DETAILS
06	SECTION DETAILS
07	PROFILE
08	PROFILE / BILL OF MATERIAL
09	INSTALLATION / ASSEMBLY DETAILS
10	INSTALLATION / ASSEMBLY DETAILS

TO OBTAIN AUTOCAD/REVIT COMPATIBLE DETAILS OF THIS PRODUCT, KINDLY GET IN TOUCH WITH US CONTACTING US VIA OUR OFFICIAL EMAIL ADDRESS: CONTACT@JA-PE.COM.

SERIES ES-VT30 ALUMINUM GLASS RAILING SYSTEM

(LARGE & SMALL MISSILE IMPACT)



GENERAL NOTES

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 9TH EDITION (2026), INCLUDING THE REQUIREMENTS FOR THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. THIS PRODUCT IS APPROVED FOR LARGE MISSILE IMPACT (LMI) AND HAS BEEN TESTED IN ACCORDANCE WITH THE APPLICABLE TAS PROTOCOLS. NO IMPACT-RESISTANT SHUTTERS ARE REQUIRED WHERE PERMITTED BY THE APPLICABLE CODE.
3. DESIGN PRESSURES SHOWN HEREIN ARE BASED ON TESTED CAPACITIES AND INCLUDE THE APPLICABLE SAFETY FACTORS. DESIGN LOADS ARE ALLOWABLE STRESS DESIGN (ASD) VALUES. ULTIMATE LOADS DETERMINED IN ACCORDANCE WITH ASCE 7 SHALL BE MULTIPLIED BY 0.60 AND SHALL NOT EXCEED THE ALLOWABLE DESIGN PRESSURES SHOWN.
4. THIS PRODUCT COMPLIES WITH ANSI Z97.1 SAFETY GLAZING MATERIALS USED IN BUILDINGS – SAFETY PERFORMANCE SPECIFICATIONS AND METHODS OF TEST.
5. CURVED GLASS CONFIGURATIONS ARE PERMITTED WHERE SHOWN. GLASS SHALL COMPLY WITH ASTM E1300.
6. THE ARCHITECT/ENGINEER OF RECORD SHALL VERIFY THAT THE SUPPORTING STRUCTURE AND SUBSTRATE ARE CAPABLE OF RESISTING AND TRANSFERRING ALL LOADS IMPOSED BY THIS RAILING SYSTEM TO THE PRIMARY STRUCTURAL SYSTEM.
7. ANCHORS SHALL BE CORROSION RESISTANT, INSTALLED AS SHOWN, AND INSTALLED IN ACCORDANCE WITH THE ANCHOR MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. REQUIRED EMBEDMENT SHALL EXTEND BEYOND FLOOR FINISHES.
8. THE CONTRACTOR SHALL ISOLATE DISSIMILAR METALS AND MATERIALS TO PREVENT GALVANIC CORROSION/ELECTROLYSIS.
9. THE DETAILS SHOWN HEREIN ARE GENERIC AND ARE NOT INTENDED FOR ANY SPECIFIC PROJECT. CONDITIONS NOT SHOWN SHALL BE EVALUATED BY THE ENGINEER OR ARCHITECT OF RECORD AND APPROVED BY THE BUILDING OFFICIAL WHERE REQUIRED.
10. THIS PRODUCT APPROVAL DOES NOT VERIFY LIFE-SAFETY COMPLIANCE, ADEQUACY OF THE SUPPORTING STRUCTURE, OR PROJECT-SPECIFIC CONDITIONS BEYOND THE SCOPE OF THIS APPROVAL.
11. ALTERATIONS, REVISIONS, ADDITIONS, OR UNAUTHORIZED MARKINGS TO THESE DRAWINGS SHALL VOID THIS CERTIFICATION.
12. THE ENGINEER'S SEAL VALIDATES ONLY THE STRUCTURAL DESIGN PRESENTED HEREIN. FABRICATION, INSTALLATION METHODS, FIELD CONDITIONS, AND CONSTRUCTION PRACTICES REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
13. PROPER SAFETY PRECAUTIONS SHALL BE FOLLOWED DURING FABRICATION AND INSTALLATION, WHETHER OR NOT SPECIFICALLY SHOWN IN THESE DOCUMENTS.
14. NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED BEYOND WHAT IS EXPRESSLY PROVIDED IN THIS DOCUMENT.

Approved as complying with the Florida Building Code
Date 10/15/26
NOA# 26-0724.05
Miami Dade Product Control
By

JAVAD AHMAD PE, inc
7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com
CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

SERIES ES-VT30
ALUMINUM GLASS
RAILING SYSTEM

CLIENT :

ES imagine extraordinary
ES WINDOWS, LLC
3550 NW 49TH STREET
MIAMI, FL 33142
TEL. (305) 638-5151 | FAX. (305) 638-5158

REVISION			
No.	DATE	BY	DESCRIPTION

date:	6/25/2026
scale:	N/A
drawn by:	M.S.
check by:	
Drawing no.	JA-1337-26-2

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE 70592 C.A.N. 34254

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER
JUL 20 2026

COVER PAGE

INSTRUCTIONS:

STEP 1
DETERMINE THE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT AND WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

STEP 2
COMPARE PROJECT POST TO POST CL SPACING WITH THE MAX. SPACING IN THE APPROVAL.

STEP 3
CHECK THE GLASS CAPACITY FOR THE REQUIRED DESIGN LOAD (SEE GLAZING DETAIL, SHEET 3)

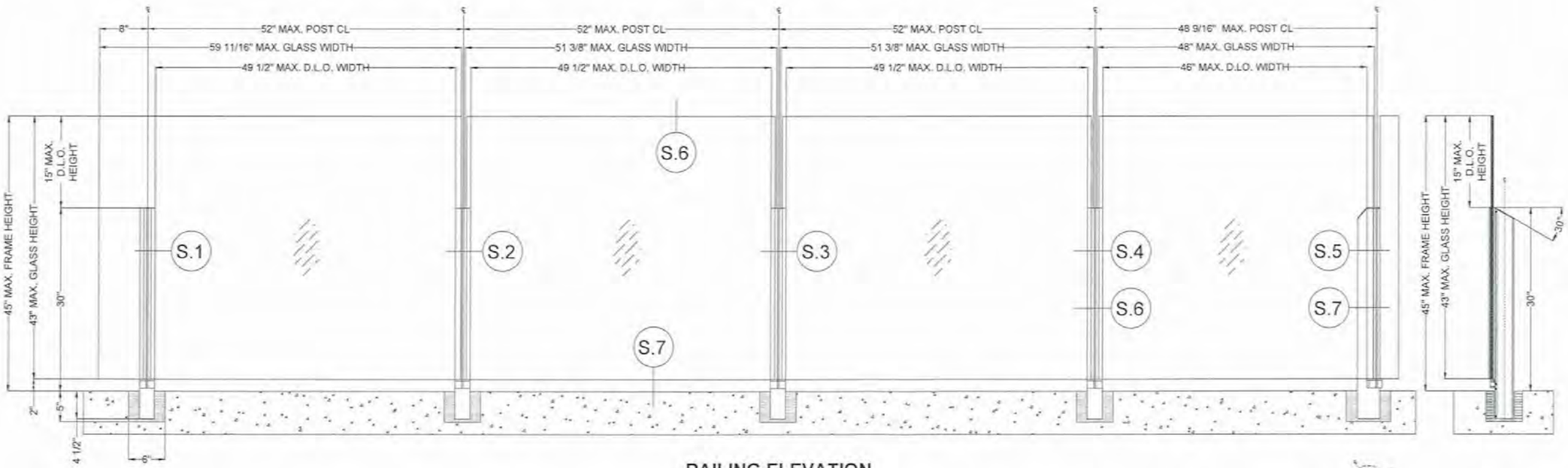
STEP 4
USE POST EMBEDMENT CHART TO CHECK POST SPACING AND REQUIRED EMBEDMENT (SEE SHEET 6).

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

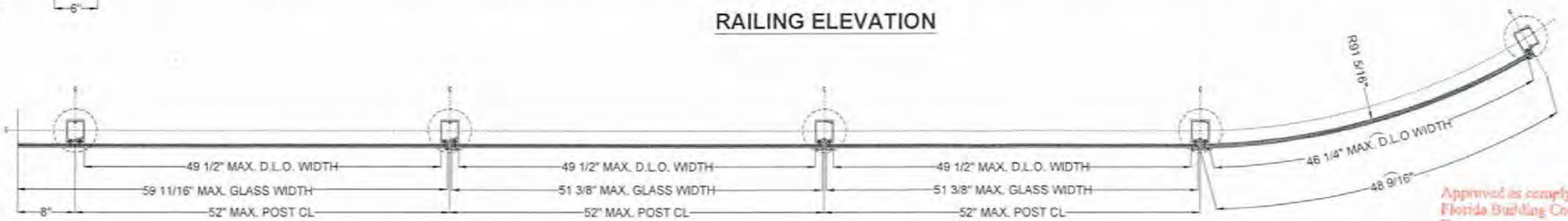
GUARD / RAILING STRUCTURAL LOAD RATINGS:

THE RAILING/GUARD SYSTEM HAS BEEN EVALUATED AND TESTED FOR THE FOLLOWING GUARD LOADING REQUIREMENTS.

- CONCENTRATED LOAD: 200 LB APPLIED AT THE TOP RAIL / CRITICAL LOCATIONS.
- UNIFORM DISTRIBUTED LOAD: 50 LB/FT APPLIED ALONG THE TOP RAIL.
- TESTED CONCENTRATED OVERLOAD: 800 LB.
- TESTED UNIFORM OVERLOAD: 200 LB/FT.
- WIND LOAD TESTING: TAS 202 UNIFORM STATIC AIR PRESSURE TESTING AS INDICATED IN THE APPROVED TEST REPORT.
- IMPACT TESTING: TAS 201 LARGE MISSILE IMPACT TESTING AS INDICATED IN THE APPROVED TEST REPORT.
- GLASS SAFETY TESTING: ANSI Z97.1 IMPACT/DROP BALL TESTING AS INDICATED IN THE APPROVED TEST REPORT.



RAILING ELEVATION



PLAN VIEW

Approved as complying with the Florida Building Code
Date 15 OCT 2026
NOA# 26-0724.05
Miami Dade Product Control
By

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7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph (305) 424-8001
support@ja-pe.com
CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

SERIES ES-VT30
ALUMINUM GLASS
RAILING SYSTEM

CLIENT :

ES WINDOWS, LLC
3550 NW 49TH STREET
MIAMI, FL 33142
TEL (305) 638-5151 | FAX. (305) 638-5158

REVISION

No.	DATE	BY	DESCRIPTION

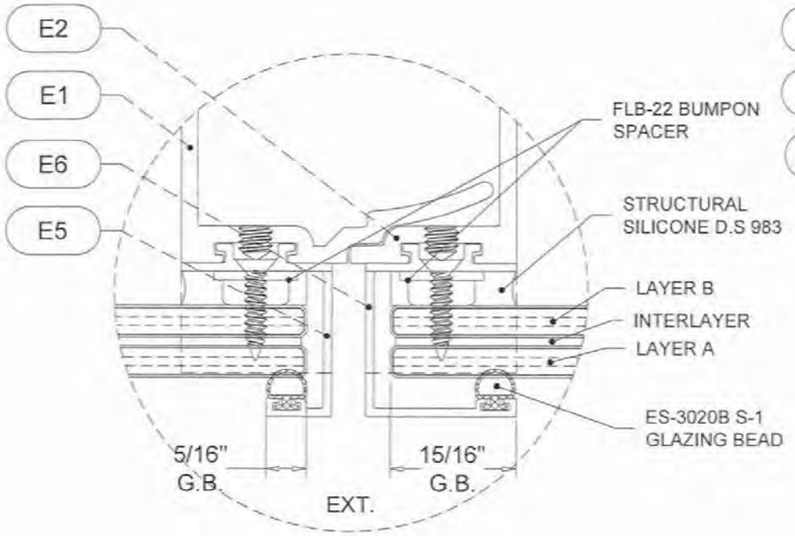
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scale:	N/A
drawn by:	M.S.
check by:	
Drawing no.	JA-1337-26-2

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE LICENSE No. 70592 CAN. 34254

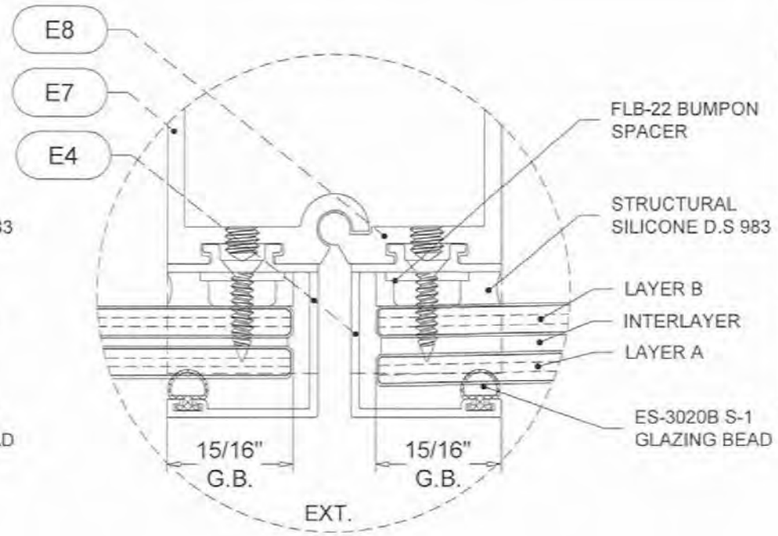
JAVAD AHMAD LICENSE No. 70592 JUL 2 8 2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

TYP. ELEVATION

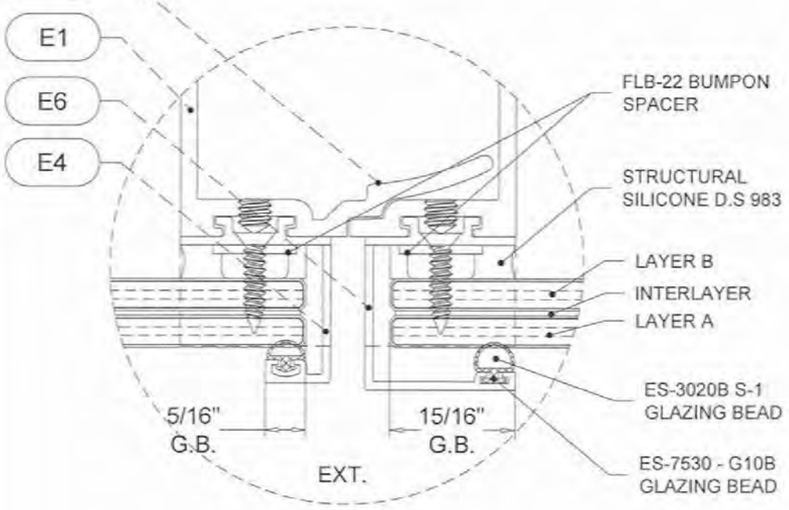
SHEET No. 2 OF 10



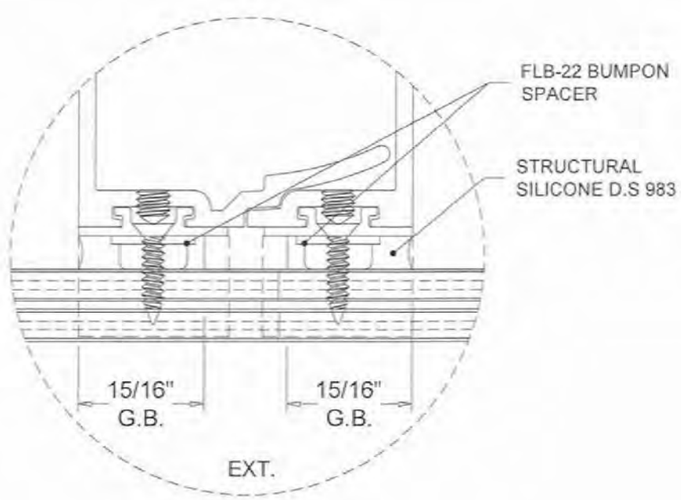
GLASS TYPE 'A'
9/16" OVERALL
LAMINATED GLASS



GLASS TYPE 'B'
9/16" OVERALL
LAMINATED GLASS



GLASS TYPE 'C'
1/2" OVERALL
LAMINATED GLASS



SSG OPTION
LAMINATED GLASS

GLAZING DETAILS / PRESSURE

GLASS TYPE	LAYER A	INTERLAYER	LAYER B	ALOWABLE PRESSURE
A	1/4" CLEAR FULLY TEMPERED GLASS	0.06" SENTRYGLAS PLUS INTERLAYER BY KURARAY AMERICA INC.	1/4" CLEAR FULLY TEMPERED GLASS	+/- 90.0 PSF
B	1/4" CLEAR FULLY TEMPERED GLASS	0.12" SENTRYGLAS PLUS INTERLAYER BY KURARAY AMERICA INC.	1/4" CLEAR FULLY TEMPERED GLASS	+/- 90.0 PSF
C	1/4" CLEAR FULLY TEMPERED GLASS	0.035" SENTRYGLAS PLUS INTERLAYER BY KURARAY AMERICA INC.	1/4" CLEAR FULLY TEMPERED GLASS	+/- 90.0 PSF

Approved as complying with the Florida Building Code
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Miami Dade Product Control
By

JAVAD AHMAD PE, inc
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Doral, FL 33126
Ph (305) 424-8001
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CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

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REVISION

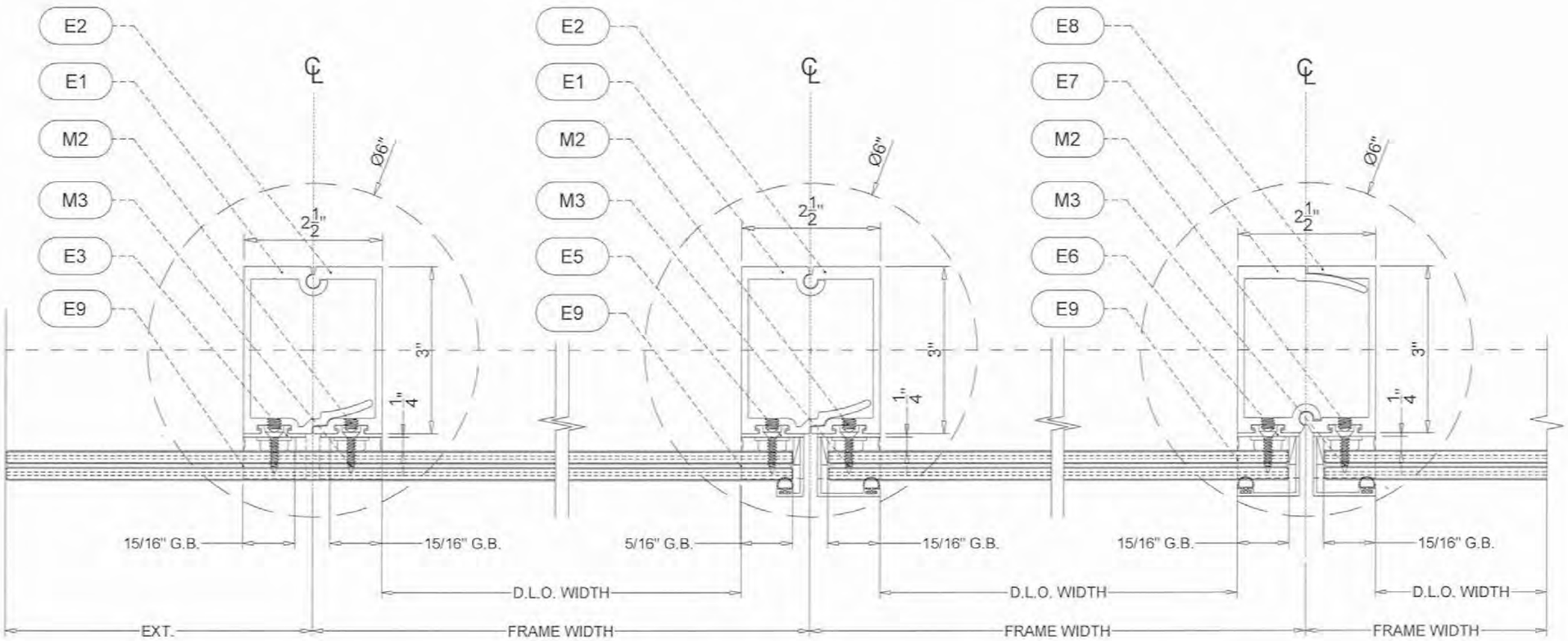
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scale:	N/A
drawn by:	M.S.
check by:	
Drawing no.	JA-1337-26-2

Eng: JAVAD AHMAD, PE
CIVIL FLA. LIC. 70592 - MIAMI 34254

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER
JUL 20 2026

GLAZING DETAILS | SHEET No. 3 OF 10



EXTERIOR

S1 POST DETAIL

S2 POST DETAIL

S3 POST DETAIL

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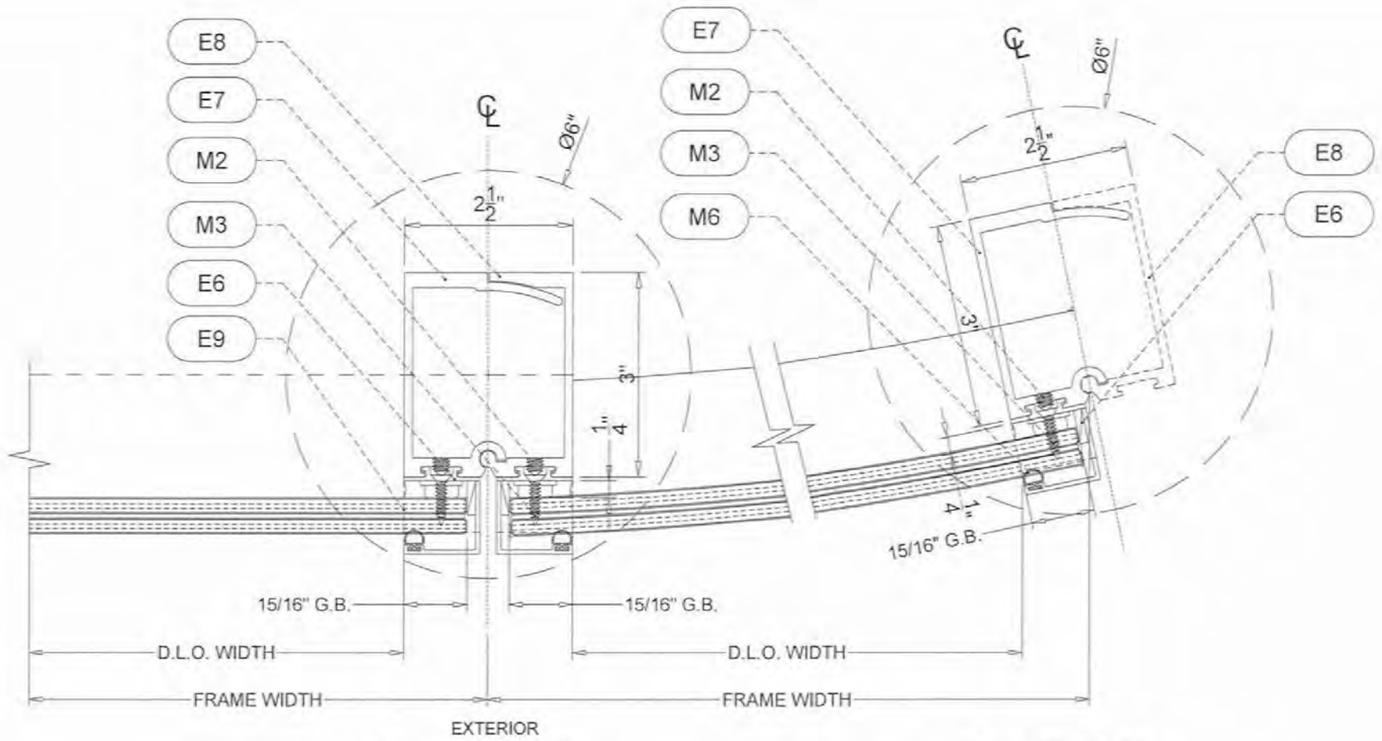
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scale:		N/A	
drawn by:		M.S.	
check by:			
Drawing no.		JA-1337-26-2	

Eng: JAVAD AHMAD, PE
CIVIL FLA. REG. NO. 70592

JAVAD AHMAD LICENSE No. 70592 JUL 28 2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

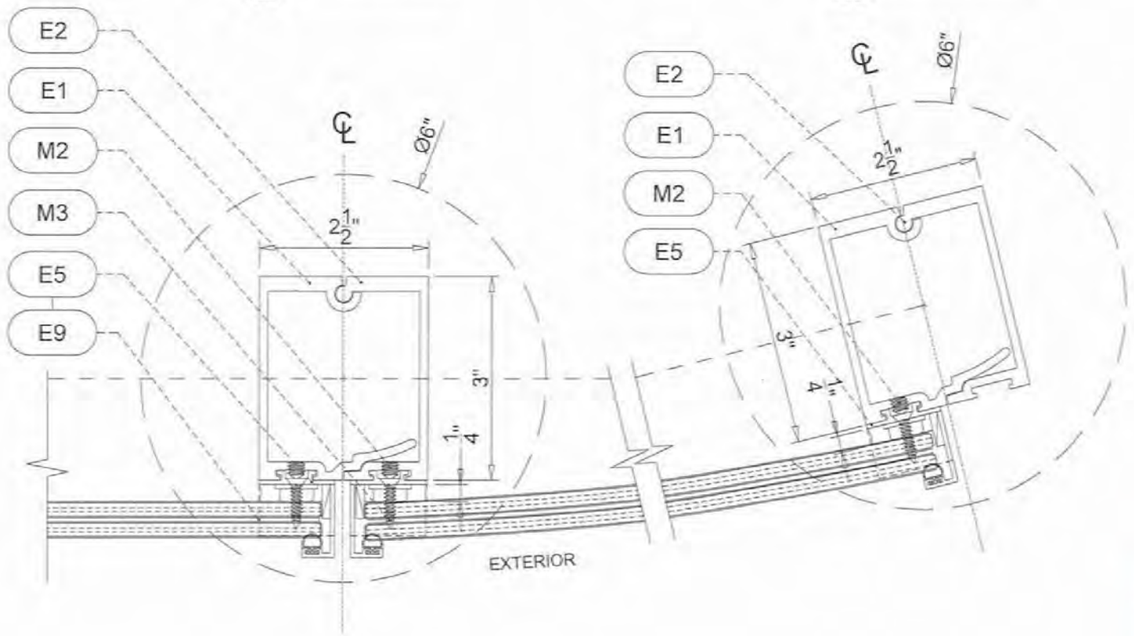
SEC. DETAILS

SHEET No. 4 OF 10



S4 POST DETAIL

S5 END DETAIL



S6 POST DETAIL

S7 END DETAIL

Approved as complying with the Florida Building Code
Date 15 OCT 2026
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Miami-Dade Product Control
By

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Drawing no.	JA-1337-26-2

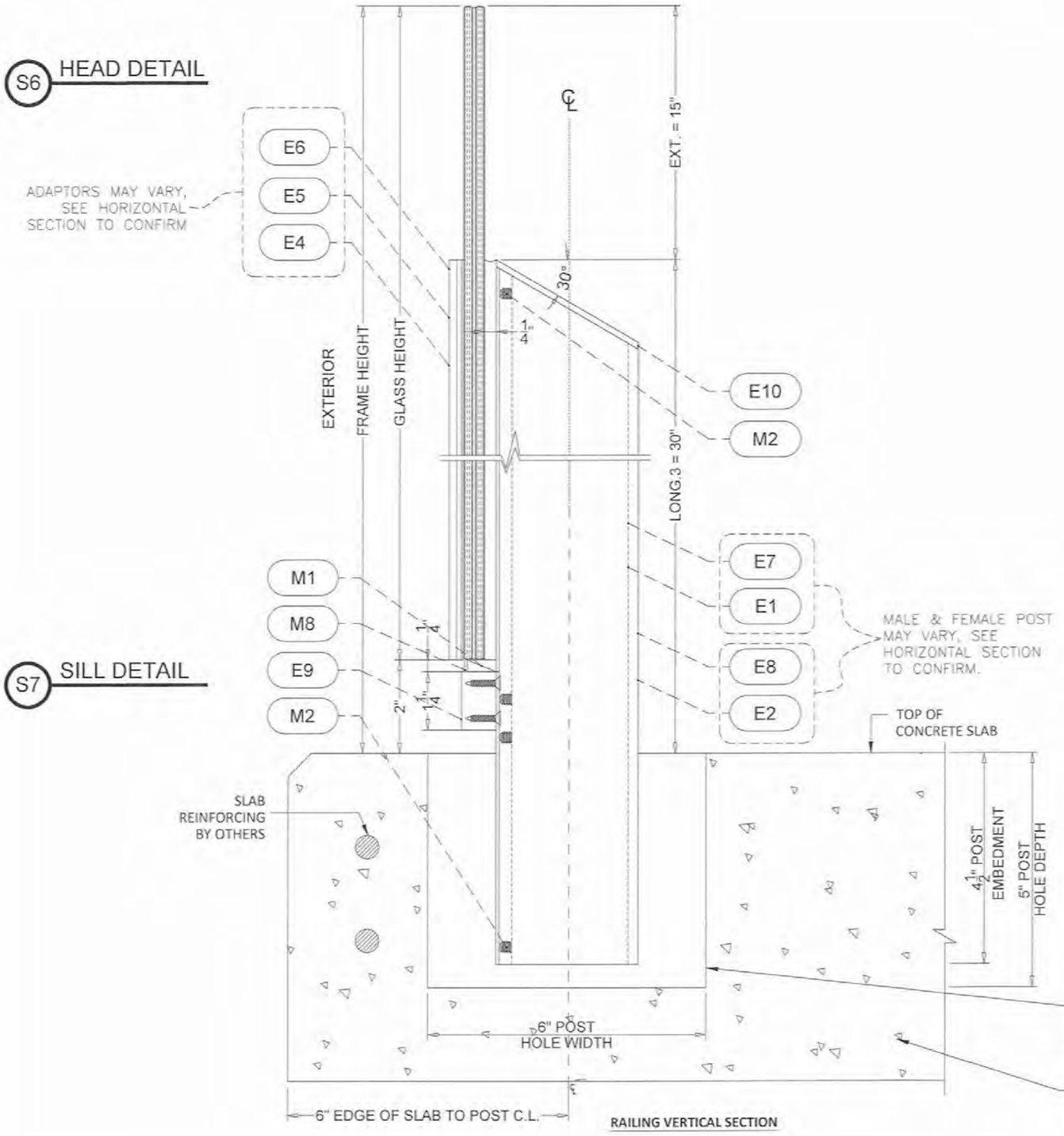
Eng: [illegible] PE
CIVIL FLA. [illegible] P.E. 34254

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER
JUL 20 2026

SEC. DETAILS

SHEET No. 5 OF 10

S6 HEAD DETAIL



RAILING VERTICAL SECTION

6" DIA POST HOLE TO CONCRETE SLAB. FILL POST HOLE AND POST CAVITY UP TO THE LEVEL OF TOP CONCRETE SLAB WITH PRO-FINISH® QUIKRETE® MIN. 6000 HIGH-STRENGTH CONCRETE MIX (ACHIEVES MAXIMUM COMPRESSIVE STRENGTH OF 6000 PSI AT 28-DAYS CURING)

CONCRETE COMPRESSIVE STRENGTH f'_c = 5000 PSI, MIN, THE LOAD-BEARING CONCRETE STRUCTURE, DESIGNED AND CONSTRUCTED BY OTHERS, MUST SUPPORT THE LOADS IMPOSED BY THE GLASS RAILING SYSTEM.

S7 SILL DETAIL

RAILING LOAD DESIGN CHARTS

POST / GROUT SPECS	POST EMBEDMENT CHART. RAILING HEIGHT = 45" MAX. MIN. GROUT OF 6,000 PSI		POST EMBEDMENT CHART. RAILING HEIGHT = 45" MAX. MIN. GROUT OF 12,000 PSI	
CONCRETE COMPRESSIVE STRENGTH [f'_c]	POST SPACING (in)	LOAD CAPACITY (PSF)	POST SPACING (in)	LOAD CAPACITY (PSF)
MIN 5000 PSI	36	85	36	90
	42	72	42	90
	48	62	48	90
	52	58	52	90

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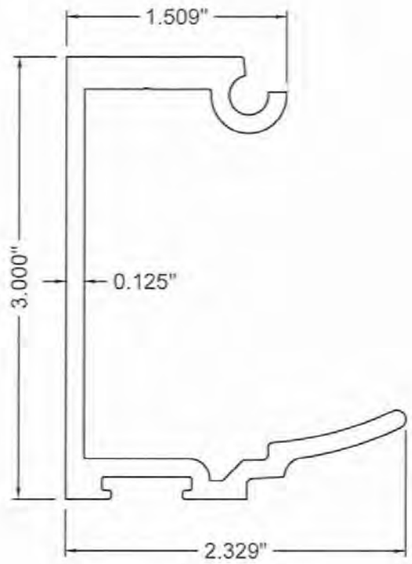
REVISION			
No.	DATE	BY	DESCRIPTION

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check by:	
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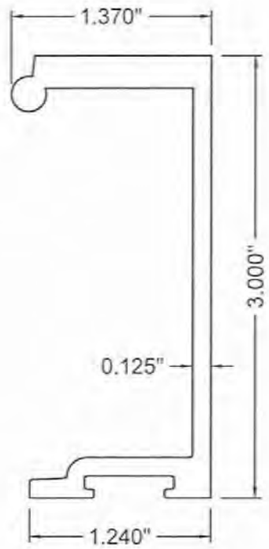
Engineer of Record: JAVAD AHMAD PE
CIVIL FL LICENSE NO. 34254

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER JUL 28 2026

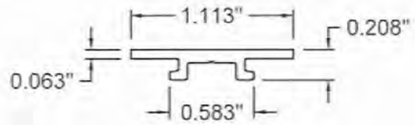
SEC. DETAILS | SHEET No. 6 OF 10



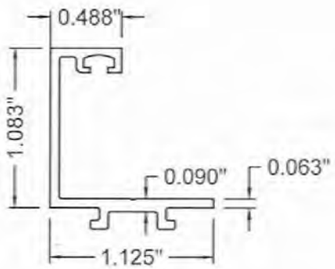
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SCALE = 1:1



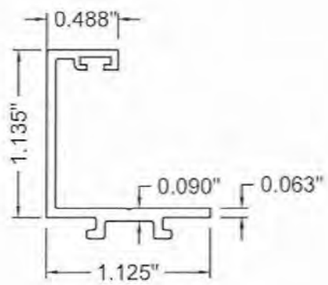
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SCALE = 1:1



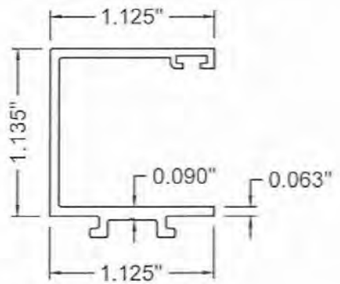
E3 FILLER ADAPTOR
SCALE = 1:1



E4 FILLER ADAPTOR CAP
SCALE = 1:1



E5 FILLER ADAPTOR CAP
SCALE = 1:1



E6 FILLER ADAPTOR CAP
SCALE = 1:1

Approved as complying with the Florida Building Code
Date 15 OCT. 2026.
NOA# 26-0724.05
Miami-Dade Product Control
By

JAVAD AHMAD PE, inc
7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com
CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

SERIES ES-VT30
ALUMINUM GLASS
RAILING SYSTEM

CLIENT :

ES WINDOWS, LLC
8550 NW 68TH STREET
MIAMI, FL 33142
TEL: (305) 638-5151 | FAX: (305) 638-5158

REVISION

No.	DATE	BY	DESCRIPTION

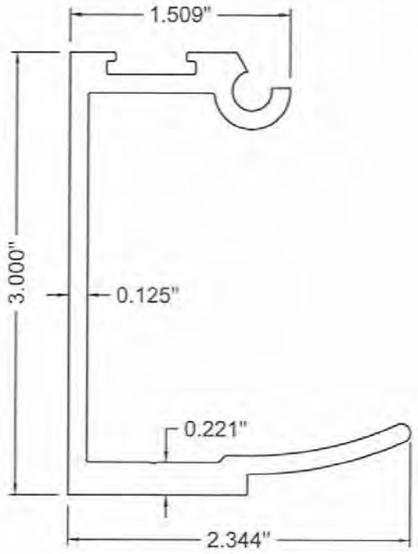
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check by:	
Drawing no.	JA-1337-26-2

Eng: JAVAD AHMAD, PE
CML FLA. REG # 70592 - CAA, 34254

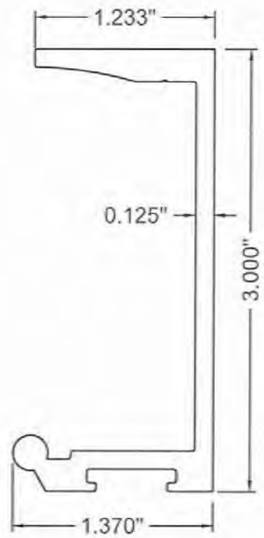
JAVAD AHMAD LICENSE No. 70592 JUL 28 2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

PROFILES

SHEET No.
7 OF 10

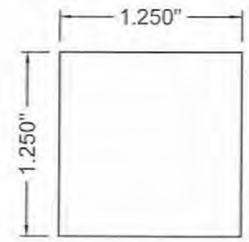


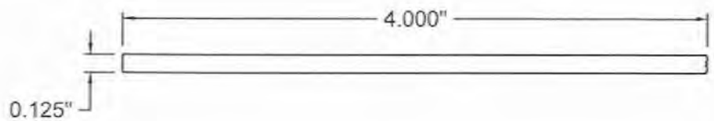
E7 MALE POST
SCALE = 1:1



E8 FEMALE POST
SCALE = 1:1

BILL OF MATERIALS			
ITEM #	PART	DESCRIPTION	MATERIAL
E1	ES-FS30-001	FEMALE POST	6005-T5
E2	ES-FS30-002	MALE POST	6005-T5
E3	ES-FS30-003	FILLER ADAPTOR	6005-T5
E4	ES-VT30-003	FILLER ADAPTOR CAP	6005-T5
E5	ES-VT30-004	FILLER ADAPTOR CAP	6005-T5
E6	ES-VT30-005	FILLER ADAPTOR CAP	6005-T5
E7	ES-VT30-001	MALE POST	6005-T5
E8	ES-VT30-002	FEMALE POST	6005-T5
E9	ALU-C-014	BARRA CUADADA 1-1/4"	6063-T6
E10	ALU-P-4X0.125	COVER PLATE	6063-T6
M1	80-339A S	SETTING BLOCK	SILICONE 80 SHORE A
M2	TORX DRIVE - 1/4"-20	HEADLESS CONE-POINT SET SCREW	STAINLESS STEEL
M3	#8 - 3/4" F.H. SMS SCREW	GRADE 5 SHEET METAL SCREWS	STAINLESS STEEL
M4	BUMPON SPACER FLB-22	FLB-22	SILICONE
M5	ES-7530-G10B	GLAZING BEAD BULB	SILICONE
M6	ES-3020B S-1	GLAZING BEAD BULB	SILICONE
M7	V2204	T-BOND 1/8" x 1/2" x 50' C1S	SILICONE
M8	D.S. 983	STRUCTURAL SILICONE	SILICONE





E9 BARRA CUADRADA 1-1/4"
SCALE = 1:1

E10 COVER PLATE
SCALE = 1:1

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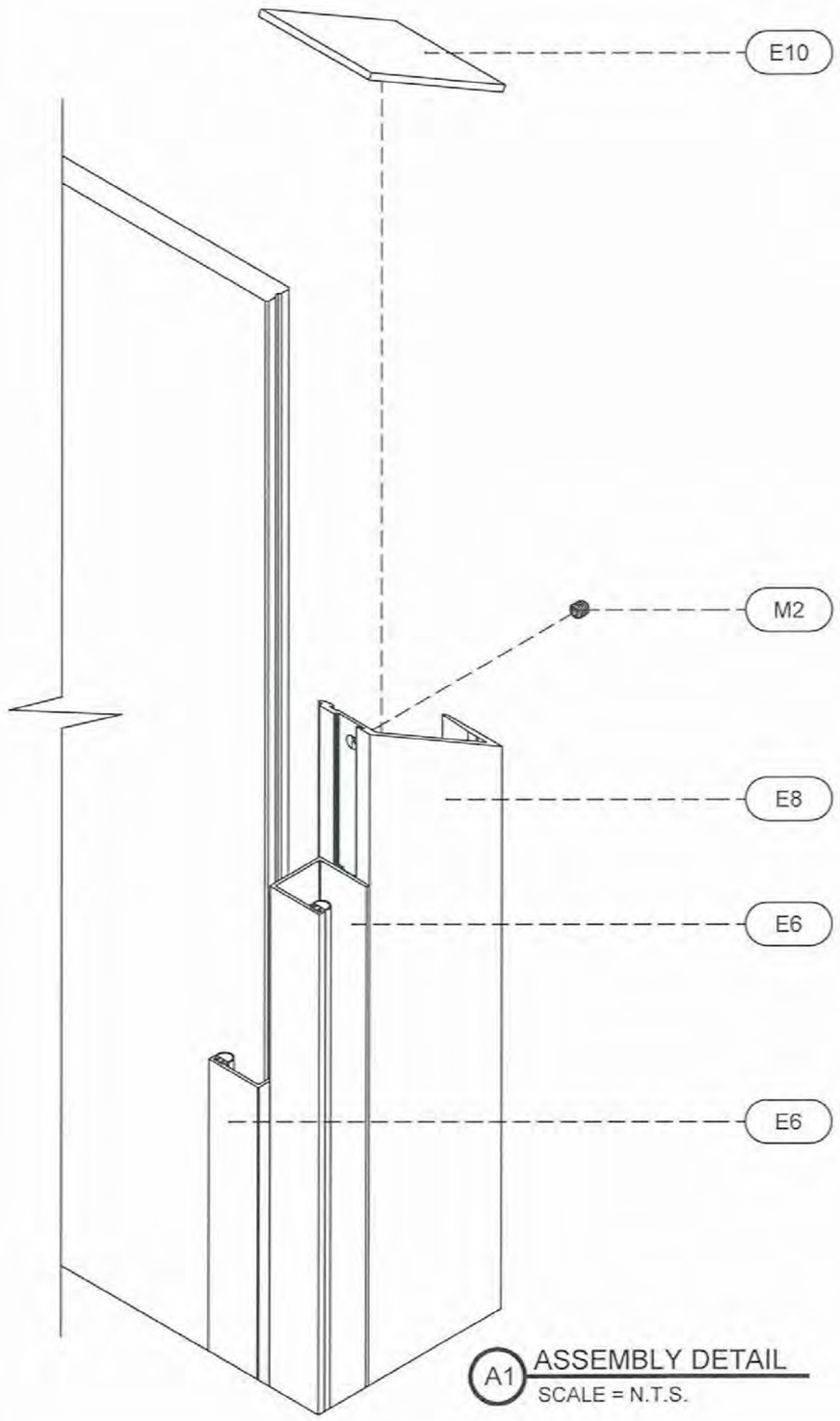
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drawn by:	M.S.
check by:	
Drawing no.	JA-1337-26-2

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 | J.A.N. 34254

JAVAD AHMAD LICENSE No. 70592 JUL 20 2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

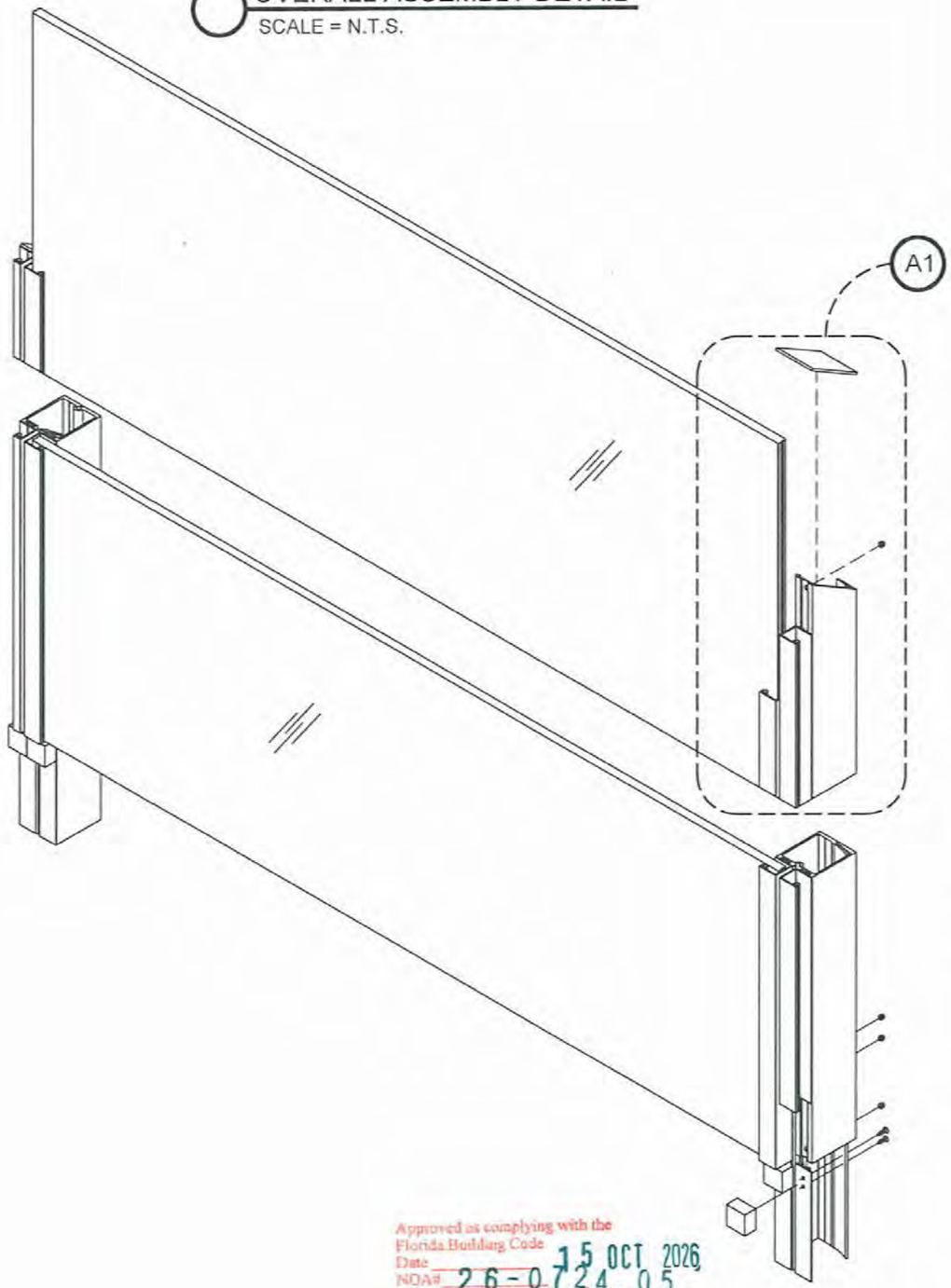
PROFILES/ B.O.M.

SHEET No.
8 OF 10



A1 ASSEMBLY DETAIL
SCALE = N.T.S.

OVERALL ASSEMBLY DETAIL
SCALE = N.T.S.



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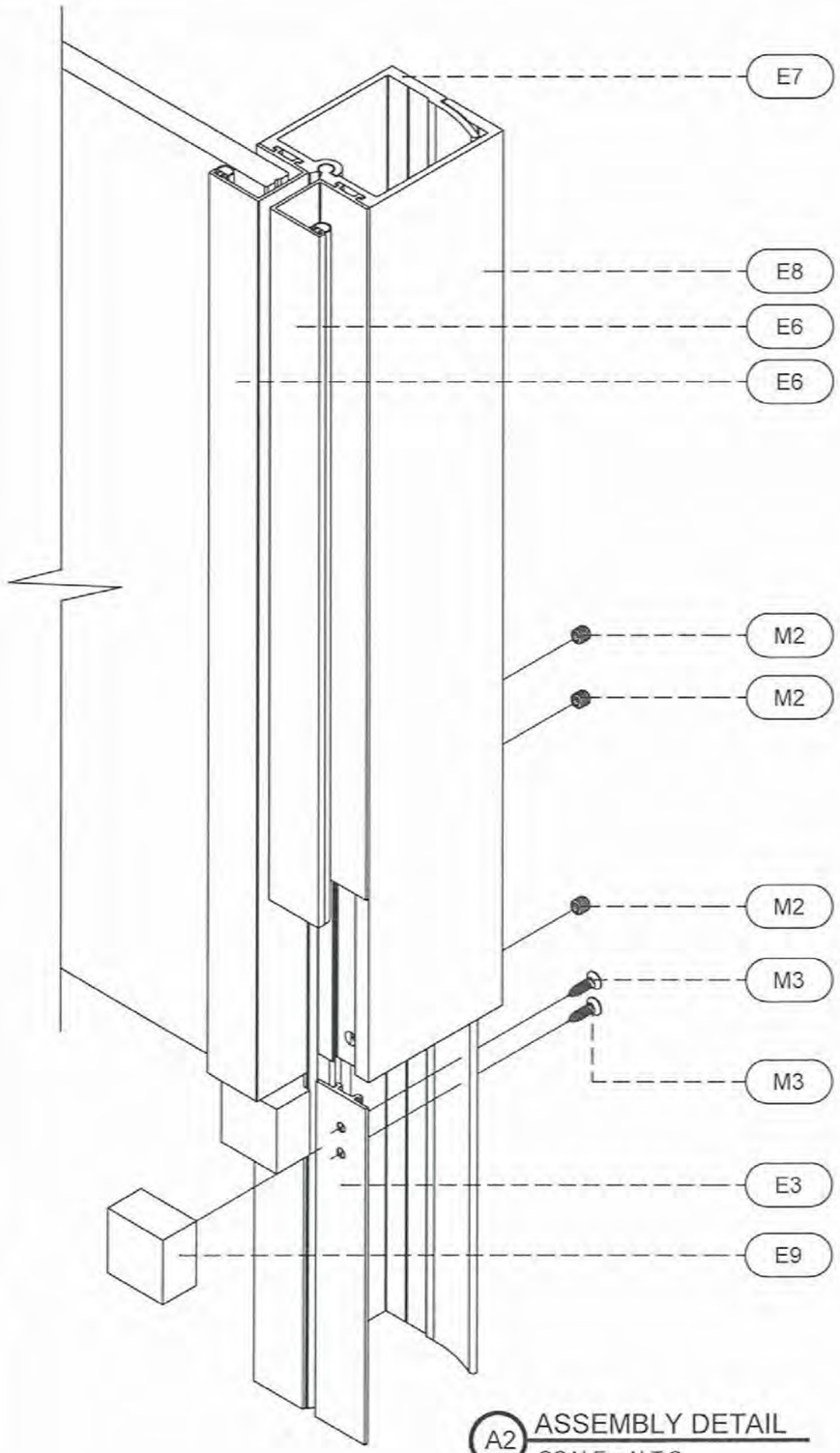
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check by:	
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Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 – CA#, 34254

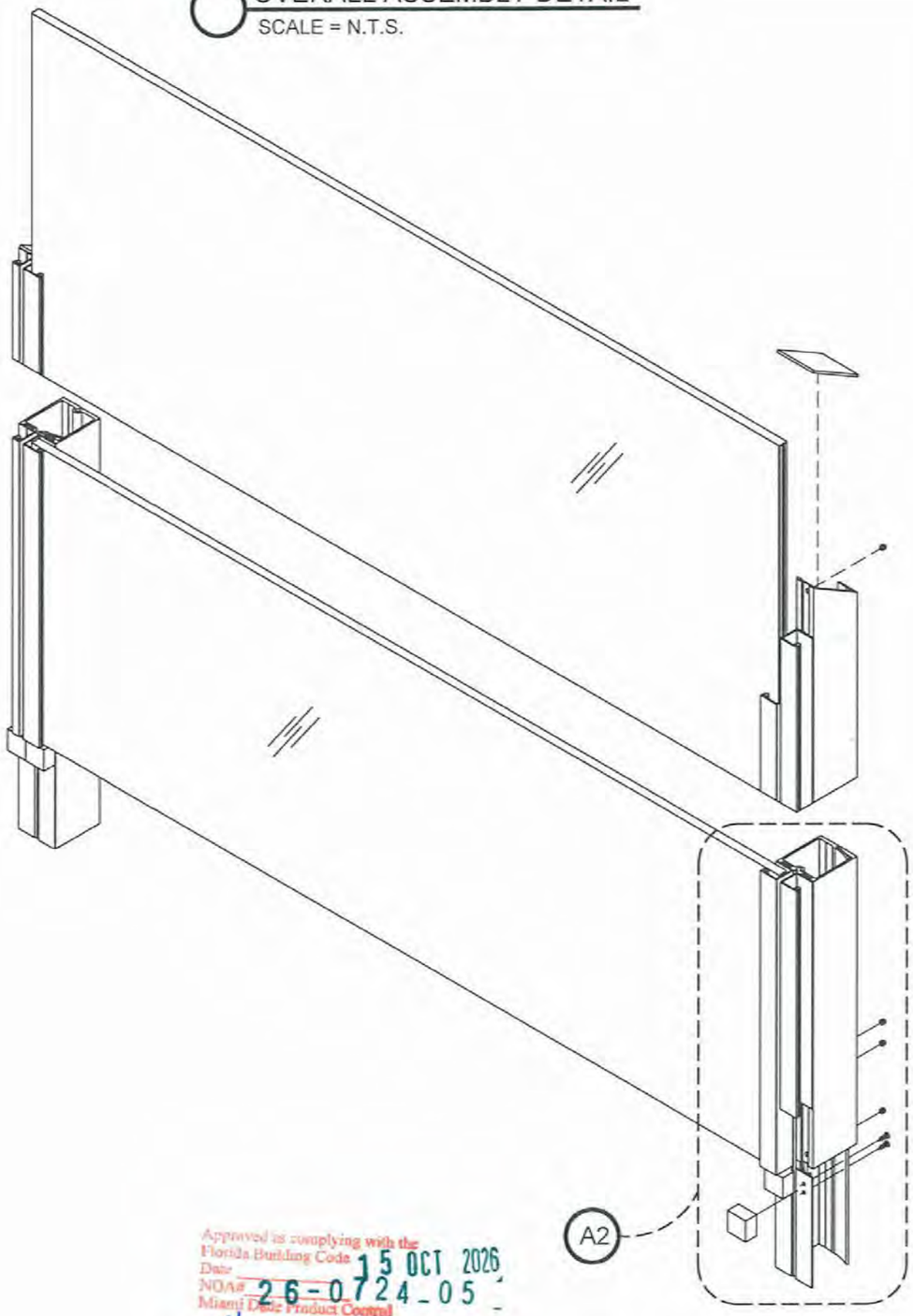
JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER
JUL 20 2026

INSTALLATION DET. | SHEET No. 9 OF 10



A2 ASSEMBLY DETAIL
SCALE = N.T.S.

OVERALL ASSEMBLY DETAIL
SCALE = N.T.S.



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JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER
JUL 20 2026

INSTALLATION DET.

SHEET No. 10 OF 10