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-RL3060" Aluminum Base Shoe Glass Railing System.

APPROVAL DOCUMENT: Drawing No. **JA-1337-26-3**, titled **ES-RL3060 Aluminum Base Shoe Glass Railing System,** sheets 1 through 9 of 9, 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 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.**

MIAMI-DADE COUNTY APPROVED

Helmy A. Makar
10/15/26

NOA No. 26-0724.06
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-1337-26-3**, titled **ES-RL3060 Aluminum Base Shoe Glass Railing System,** sheets 1 through 9 of 9, 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-RL3060 Aluminum Glass Railing System-**LMI**, prepared by Blackwater Technical Services, Inc., Test Report No. **BT-ESW-24-056**, dated 04/22/25, 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 07/09/26, 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. 26-0724.06
Expiration Date: 10/15/2031
Approval Date: 10/15/2026

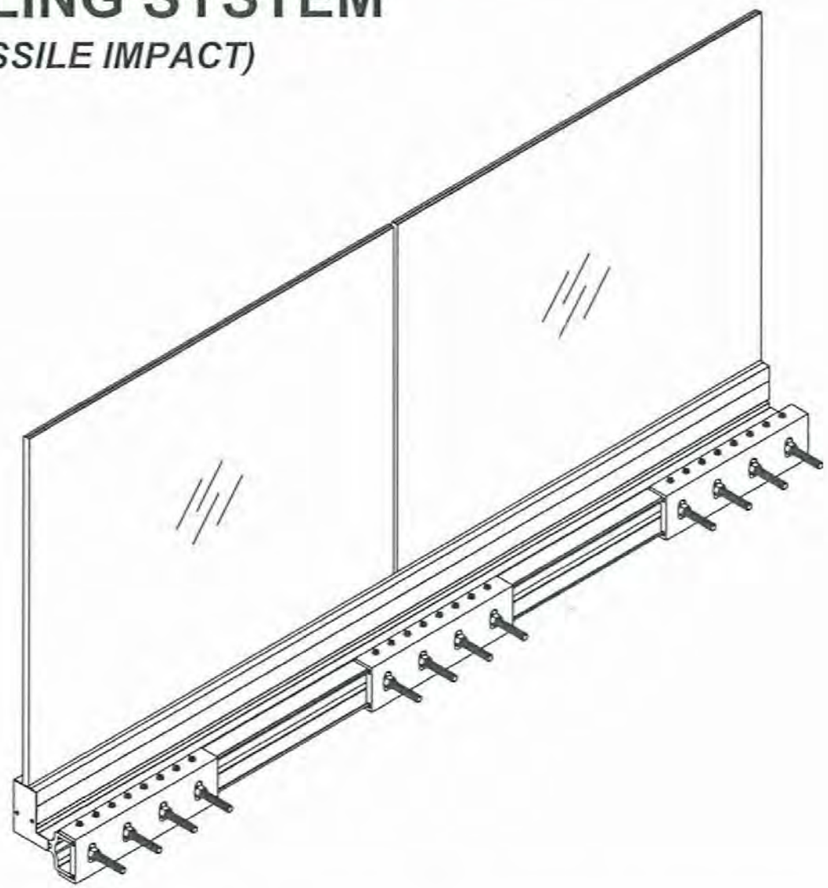
The following pages in this document were submitted by the manufacturer (third party) to represent the product being approved and establish the limits of use. The pages may include technical drawings, schematics and installation details.

SHEET INDEX	
01	COVER PAGE
02	TYPICAL ELEVATION / GLASS DETAIL
03	SECTION DETAIL / ANCHOR DETAIL
04	SECTION DETAIL
05	SECTION DETAIL
06	SECTION DETAIL
07	PROFILE / BILL OF MATERIAL
08	INSTALLATION DETAILS
09	INSTALLATION 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-RL3060 ALUMINUM GLASS RAILING SYSTEM

(LARGE 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# 26-0724.06
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-RL3060 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

date:	6/25/2026
scale:	N/A
drawn by:	M.S.
check by:	
Drawing no.	JA-1337-26-3

Eng: JAVAD AHMAD, PE
CIML FLA. PE LICENSE NO. 70592 | F.A.N. 34254

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER
JUL 2 0 2026

COVER PAGE | SHEET No. 1 OF 9

INSTRUCTIONS:

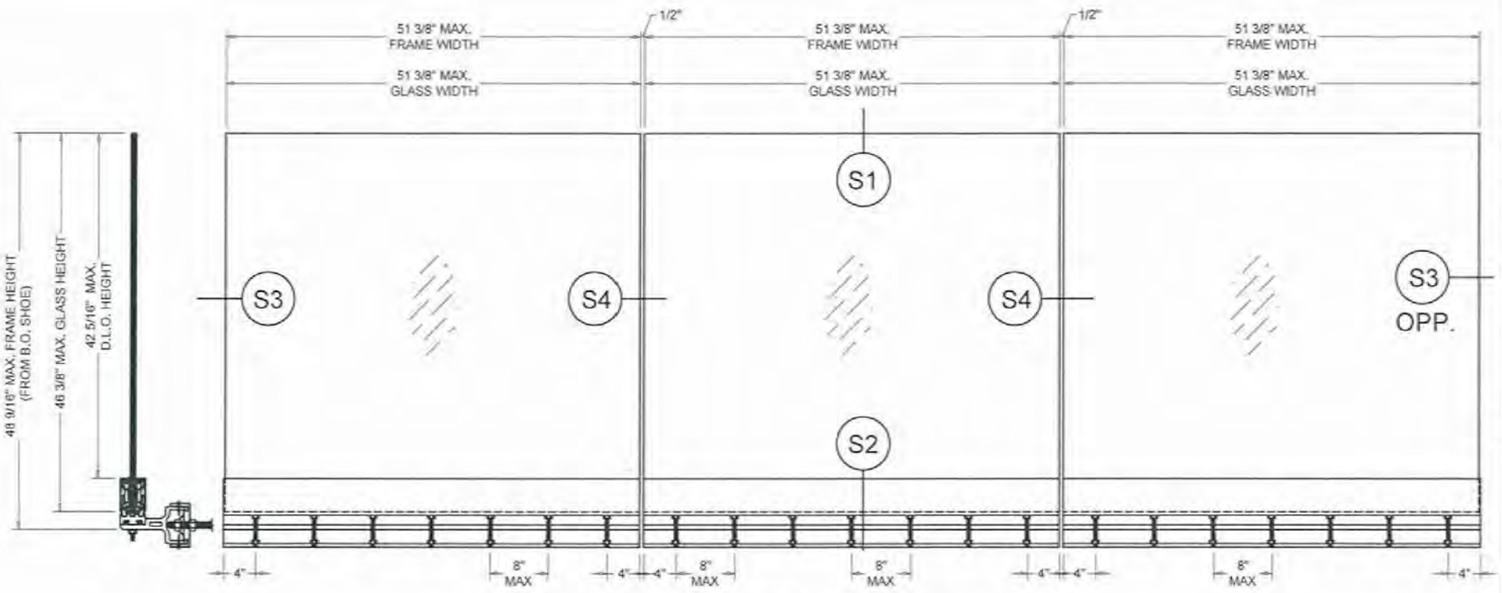
STEP 1
DETERMINE THE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT AND WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

STEP 2
USE ANCHOR PERFORMANCE CHART TO VERIFY THE ANCHOR CAPACITY (SEE SEET 2).

STEP 3
CHECK THE GLASS CAPACITY FOR THE REQUIRED DESIGN LOAD (SEE GLAZING DETAIL, SHEET 2)

STEP 4
COMPARE THE PROJECT RAILING HEIGHT AND WIDTH DIMENSIONS WITH THE MAX. ALLOWABLE IN THIS DOCUMENT.

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

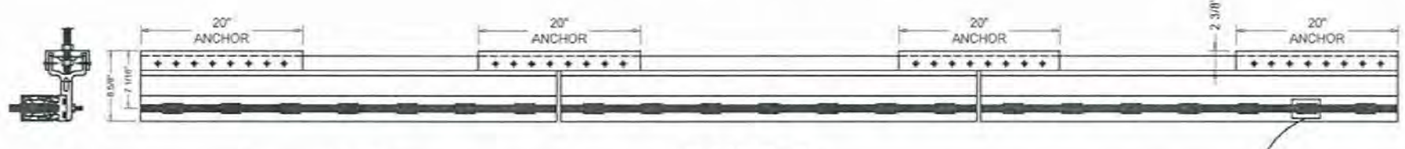


RAILING ELEVATION

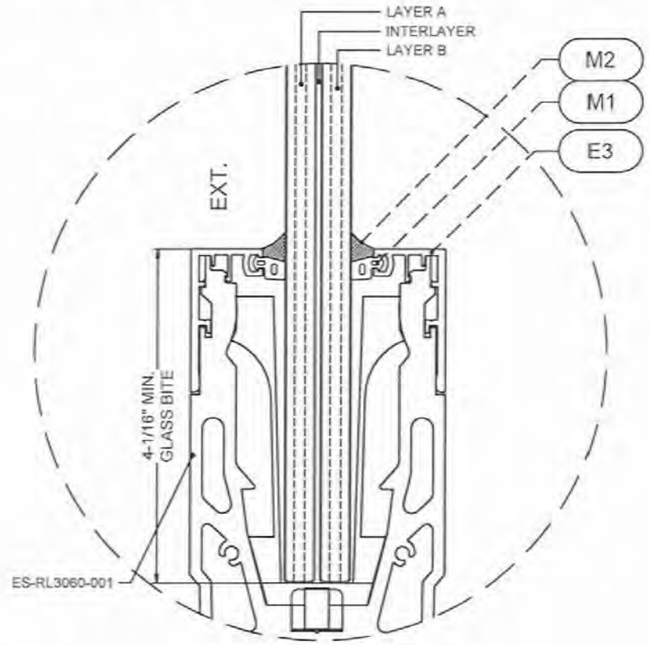
GUARD / RAILING STRUCTURAL LOAD RATINGS:

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.



PLAN VIEW



GLASS TYPE 'A'
13/16" OVERALL LAMINATED GLASS

CLAMP SPACING CHART		
O.C. FROM GLASS ENDS	BALANCE O.C.	ALLOWABLE PRESSURE
6"	12"	+/-90 PSF
5"	8"	+/-102 PSF

GLAZING DETAILS / PRESSURE				
GLASS TYPE	LAYER A	INTERLAYER	LAYER B	ALOWABLE PRESSURE
A	3/8" TEMPERED GLASS	0.060" SENTRYGLAS INTERLAYER BY KURARAY AMERICA INC.	3/8" TEMPERED GLASS	+/- 102.0 PSF

Approved as complying with the Florida Building Code
Date 15 OCT 2026
NOA# 26-0724.06
Miami Dade Product Control
By

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

PROJECT :

SERIES ES-RL3060
ALUMINUM GLASS
RAILING SYSTEM

CLIENT :

ES WINDOWS, LLC
3550 NW 48TH STREET
MIAMI, FL 33142
TEL. (305) 638-5151 | FAX. (305) 638-5158

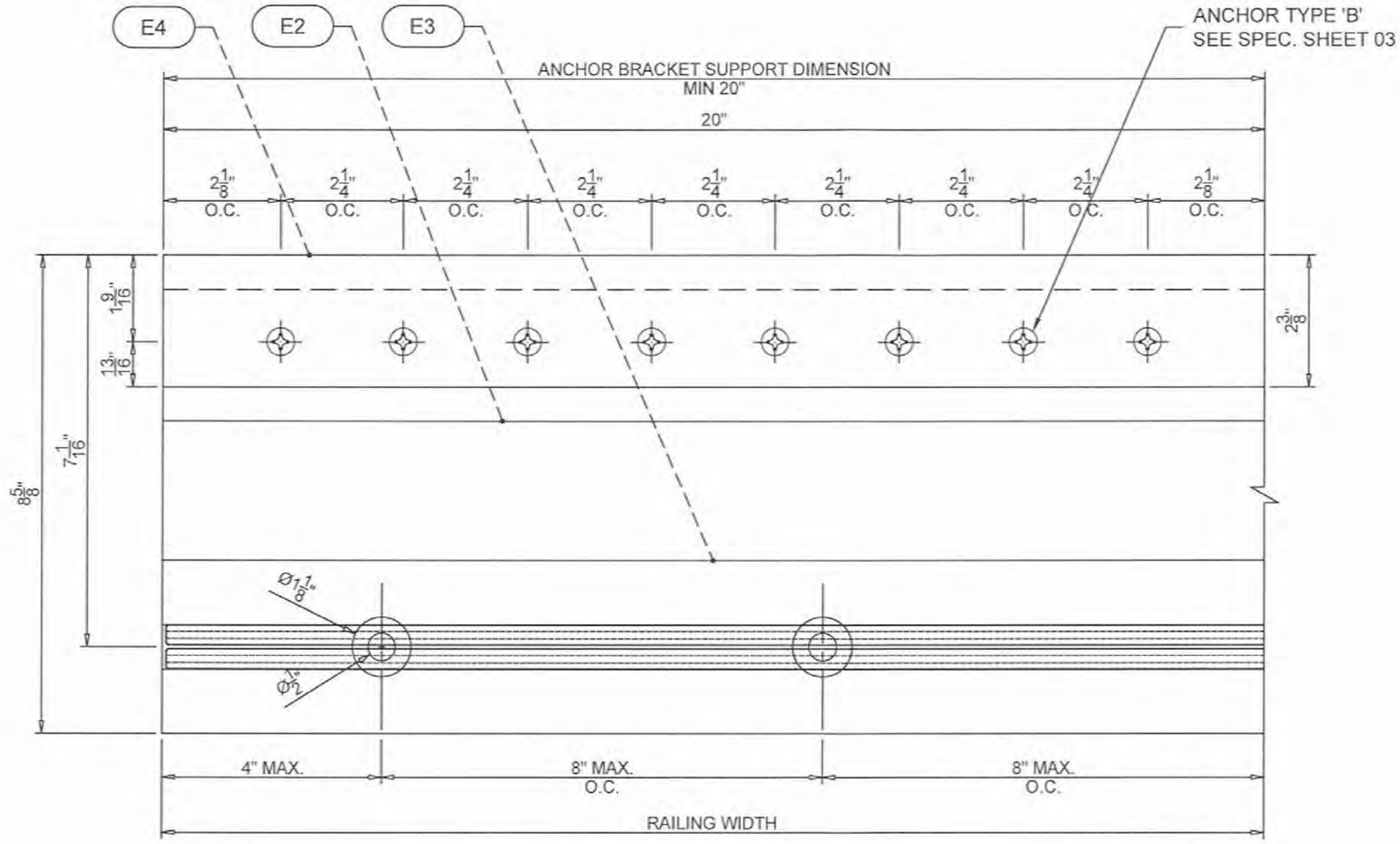
REVISION			
No.	DATE	BY	DESCRIPTION

date:	6/25/2026
scale:	N/A
drawn by:	M.S.
check by:	
Drawing no.	JA-1337-26-3

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

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

ELEVATION / GLASS | SHEET No. 2 OF 9



EXTERIOR

S3 POST DETAIL

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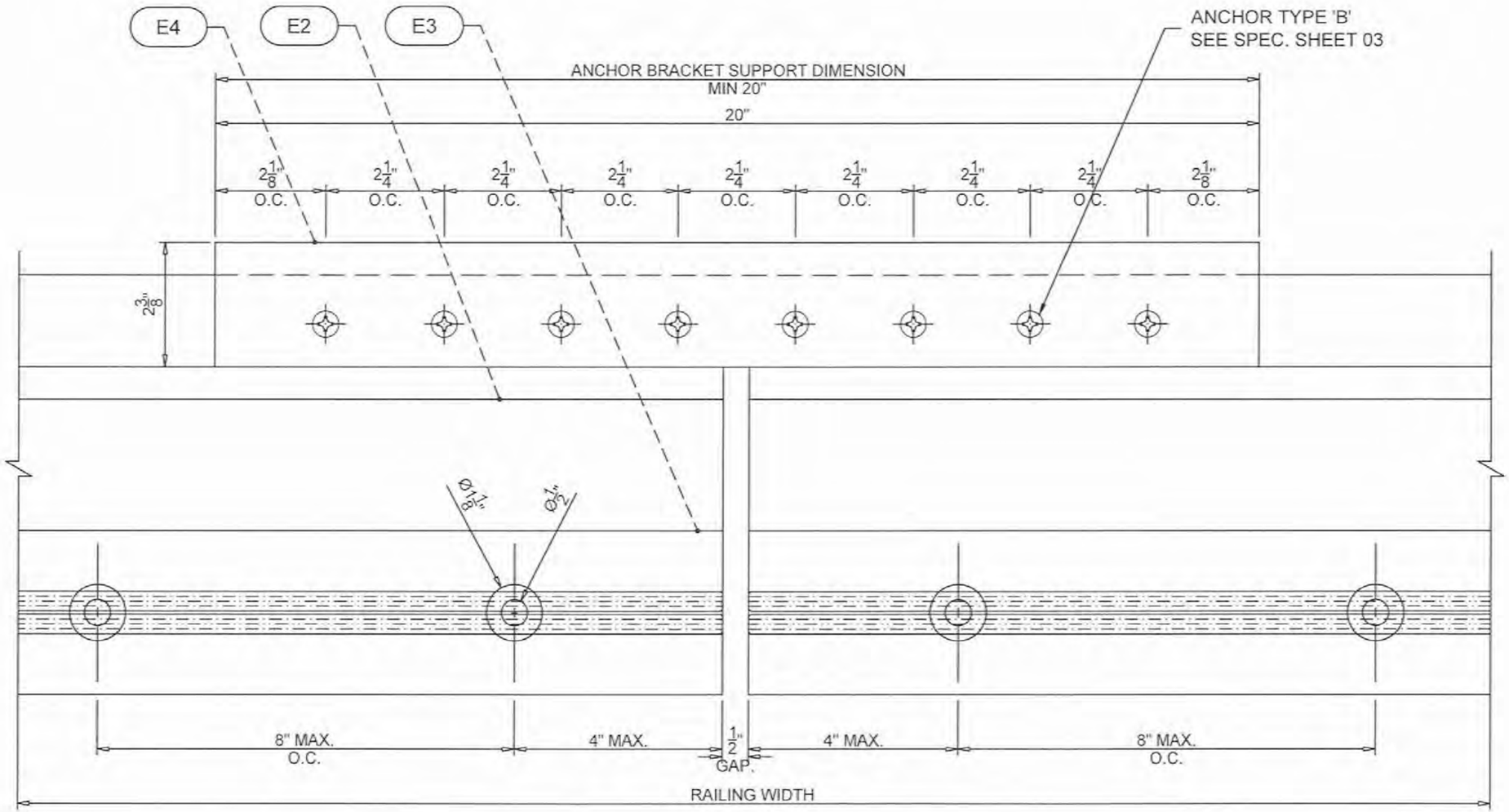
REVISION			
No.	DATE	BY	DESCRIPTION

date:	6/25/2026
scale:	N/A
drawn by:	M.S.
check by:	
Drawing no.	JA-1337-26-3

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 [illegible], 34254

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

SECTION DETAIL | SHEET No. 4 OF 9



S4 POST DETAIL

Approved as complying with the Florida Building Code
Date 15 OCT 2026
NOA# 26-0724.06
Miami Dade Product Control
By

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REVISION

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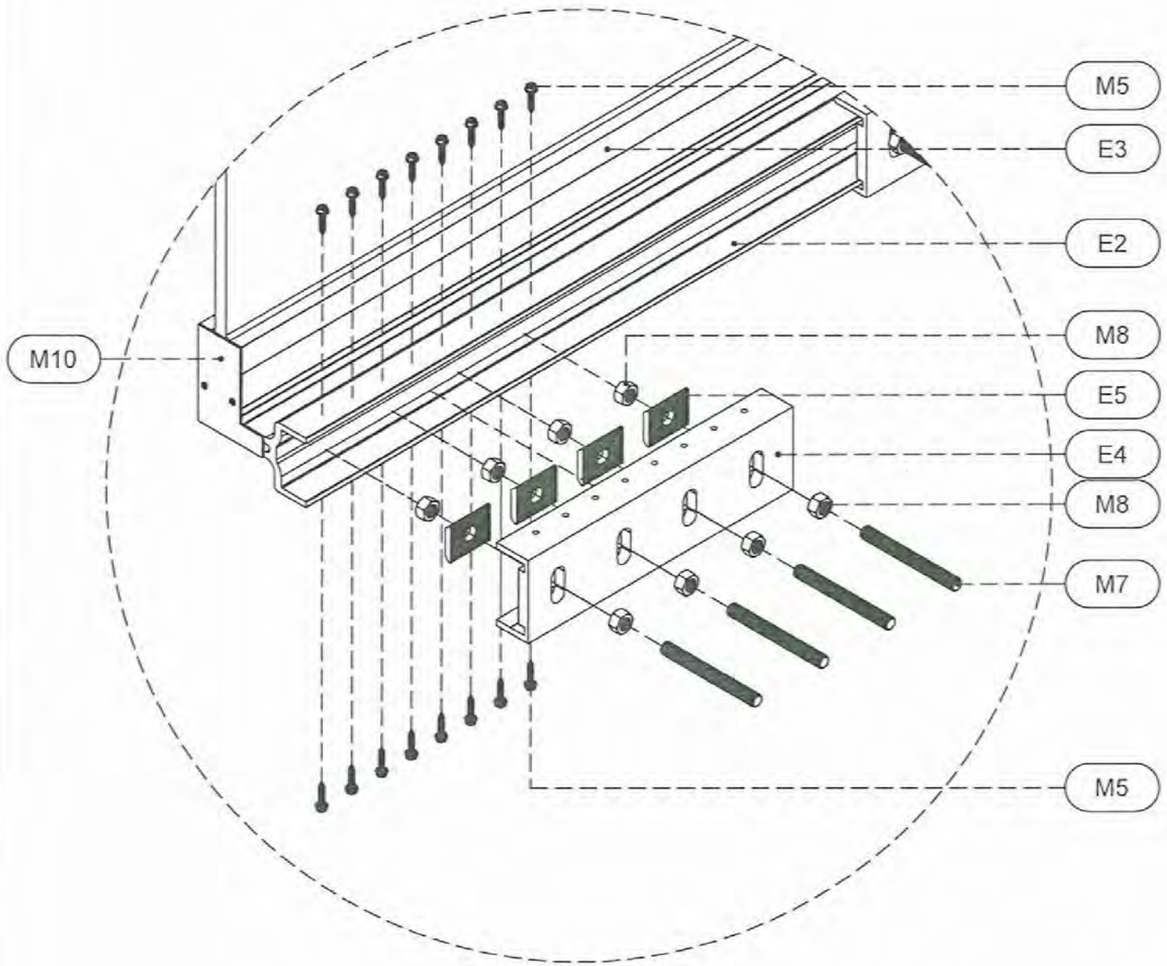
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scale:	N/A
drawn by:	M.S.
check by:	
Drawing no.	JA-1337-26-3

Eng: JAVAD AHMAD, PE
CIML. FLA. PE # 70592 | C.A.N. 34254

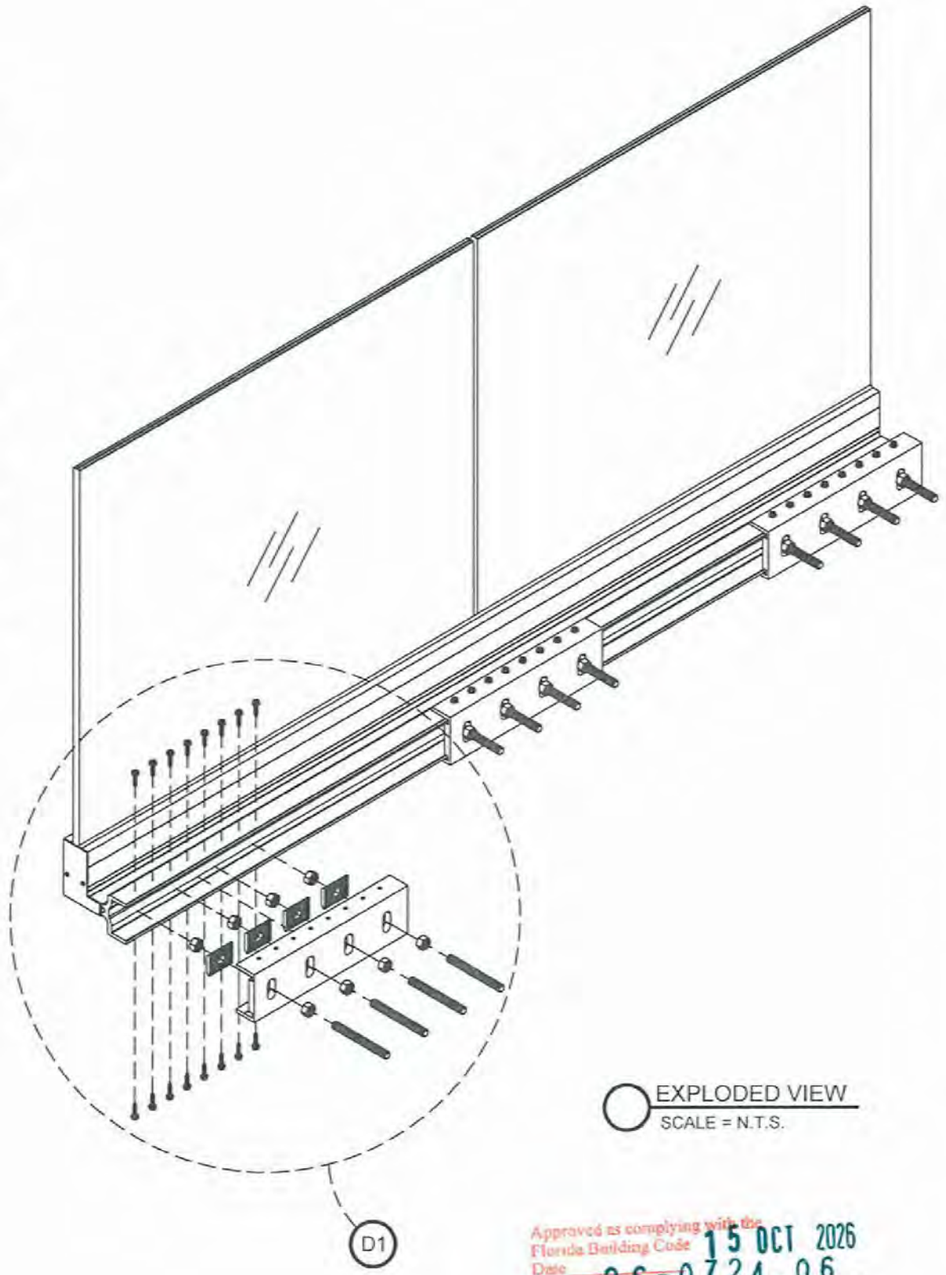
JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER
JUL 2 8 2026

SECTION DETAIL

SHEET No. 5 OF 9



D1 ANCHOR SUPPORT ASSEMBLY DETAIL
SCALE = N.T.S.



EXPLODED VIEW
SCALE = N.T.S.

Approved as complying with the Florida Building Code
Date 15 OCT 2026
NOA# 26-0724.06
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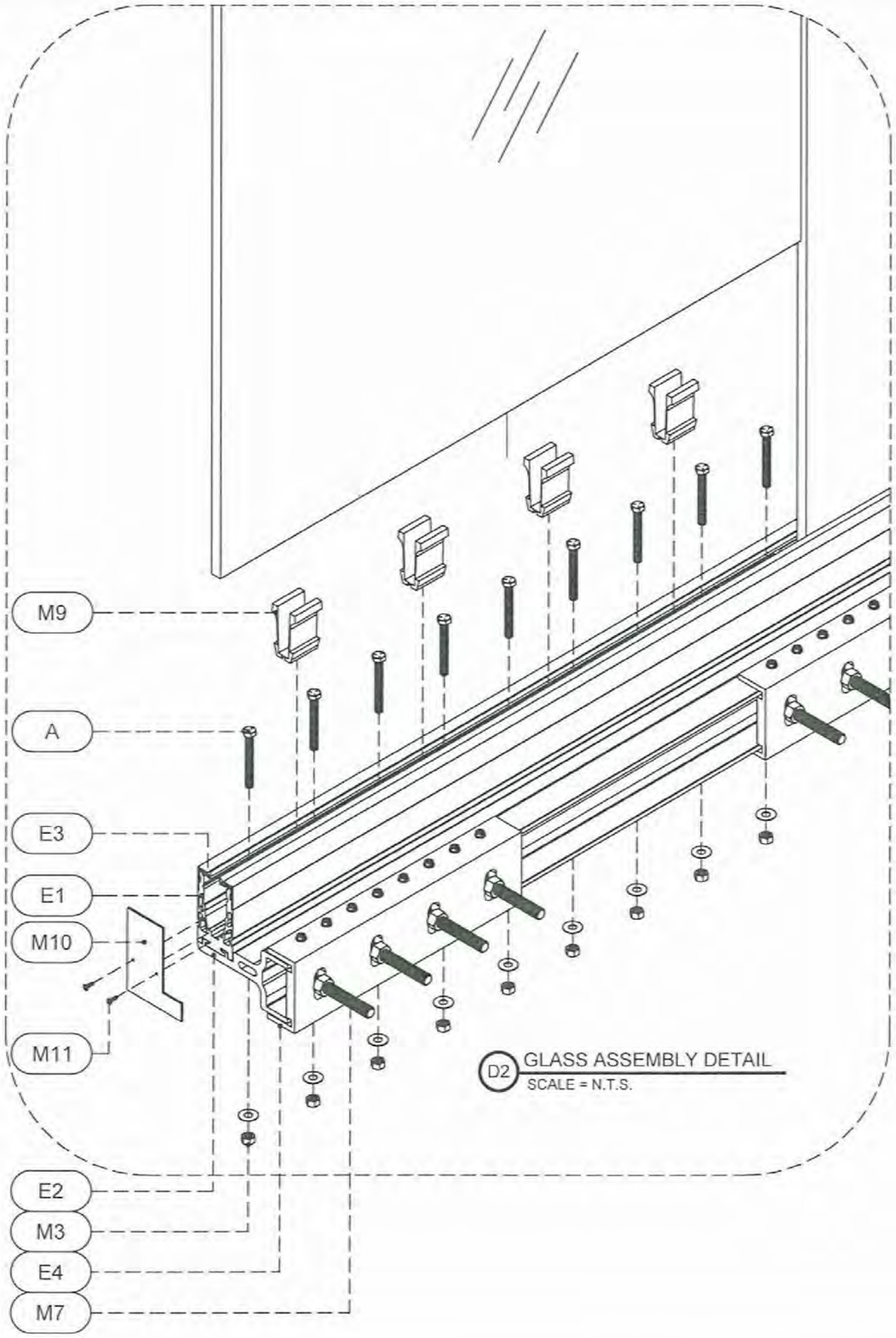
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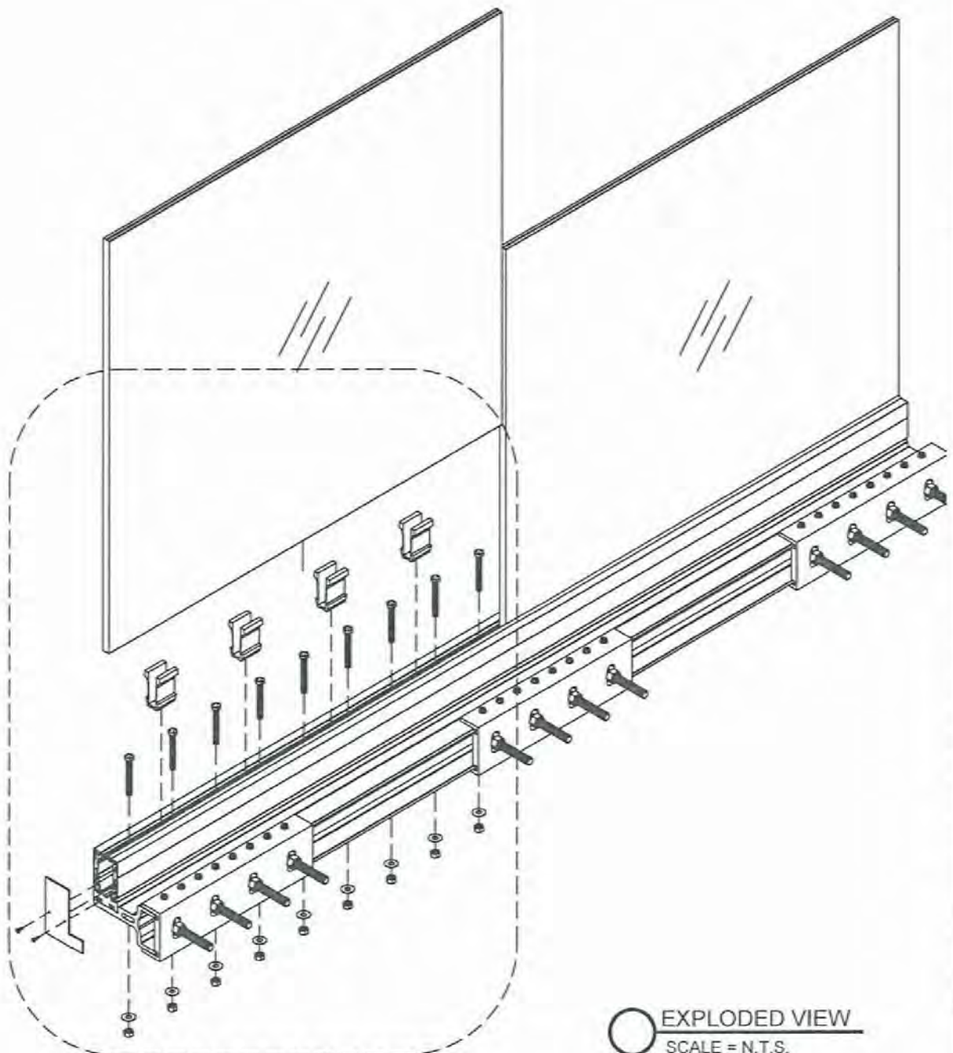
JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER
JUL 2 0 2026

INSTALLATION DETAIL

SHEET No.
8 OF 9



D2 GLASS ASSEMBLY DETAIL
SCALE = N.T.S.



EXPLODED VIEW
SCALE = N.T.S.

D2

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JAVAD AHMAD LICENSE No. 70592 JUL 2 0 2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

INSTALLATION DETAIL

SHEET No. 9 OF 9