FL #	FL47317
Application Type	New
Code Version	2023
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	Mr-Glass Doors & Windows Manufacturing, LLC
Address/Phone/Email	8051 NW 79th Place Medley, FL 33166 (305) 470-8284 ulises@mrglasswindows.com
Authorized Signature	Ulises Senaris ulises@mrglasswindows.com
Technical Representative	
Address/Phone/Email	
Quality Assurance Representative	
Address/Phone/Email	
Category	Exterior Doors
Subcategory	Swinging Exterior Door Assemblies
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☐ Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Javad Ahmad
Florida License	PE-70592
Quality Assurance Entity	Keystone Certifications, Inc.
Quality Assurance Contract Expiration Date	04/30/2035
Validated By	Ammad Riaz, P.E. ☑ Validation Checklist - Hardcopy Received
Certificate of Independence	FL47317_R0_COI_Certificate_of_Independence_JA-PE.pdf

Referenced Standard and Year (of Standard)

Standard	Year
ASTM E1886	2019
ASTM E1996	2020
ASTM E283	2019
ASTM E330	2021
ASTM E331	2016
TAS 201	1994
TAS 202	1994
TAS 203	1994

Equivalence of Product Standards Certified By

Sections from the Code

Product Approval Method	Method 1 Option D
Date Submitted	10/22/2025
Date Validated	12/10/2025
Date Pending FBC Approval	10/24/2025
Date Approved	12/13/2025

Summary of Products

FL #	Model, Number or Name	Description
47317.1	MG-2500T - THERMALLY BROKEN ALUMINUM COPLANAR DOOR WITH CONCEALED HINGE - (Outswing/Inswing)(L.M.I./S.M.I.)	MG-2500T Thermally Broken Aluminum Coplanar Door with Concealed Hinge (Outswing/Inswing) (Large and Small Missile Impact Rated)
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** +70/-70 **Other:** See Installation Instructions (Drawing No. JA-1724-25) for product performance information, maximum sizes, anchorage details, installation requirements, and limits of use.		**Installation Instructions** FL47317_R0_II_MG-2500T_Thermally_Broken_Alum_Coplanar_Door-JA-1724-25-RA.pdf Verified By: Javad Ahmad PE# 70592 Created by Independent Third Party: Yes **Evaluation Reports** FL47317_R0_AE_MG-2500T_Thermally_Broken_Alum_Coplanar_Door-PA_EVR.pdf Created by Independent Third Party: Yes

Back Next

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:

Credit Card Safe securityMETRICS

October 20, 2025

Product Approval Administrator
Department of Business & Professional Regulations / Codes and Standards
2601 Blair Stone Road
Tallahassee, FL 32399

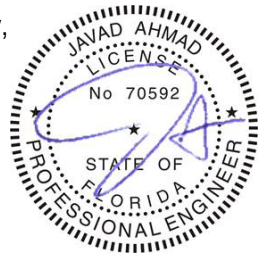
Ref: ***Certificate of Independence JA-PE / MR GLASS DOORS & WINDOWS, LLC***

To Whom It May Concern,

In accordance with Rule 61G20-3, as the design engineer responsible for preparing the Product Approval(s) associated with this letter, I hereby declare that:

1. JAVAD AHMAD PE, INC does not have, nor does intend to acquire, or will acquire a financial interest in any company manufacturing or distributing products for which this evaluation report is issued.
2. JAVAD AHMAD PE, INC is not owned, operated, or controlled by any company manufacturing or distributing products for which this evaluation report is issued.
3. JAVAD AHMAD, PE does not have, nor will acquire, a financial interest in any company manufacturing or distributing products for which this evaluation report is issued.
4. JAVAD AHMAD, PE does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the referenced product(s).

Sincerely,



Sealed: 10.20.2025

Javad Ahmad, PE
FL P.E.# 70592
EB C.A.N.# 34254

PRODUCT EVALUATION REPORT

- Florida Building Code - 8th Edition (2023) -
Per Rule 61G20-3 / Method 1 - D

FL #: 47317 **DATE:** 10/21/2025

Product Description

Manufacturer: **MR GLASS DOORS & WINDOWS MANUFACTURING LLC**
Address: 8051 NW 79th Pl, Medley, Miami, FL 33166
Model Name: **Thermally Broken Aluminum Coplanar Door with Concealed Hinge (Outswing/Inswing)**
Maximum Load: **+70.0 PSF / -70.0 PSF** (Large & Small Missile Impact)
Drawing No.: JA-1724-25, signed and sealed by Javad Ahmad, PE. - FL License No. 70592

This product COMPLIES with the 2023 Florida Building Code - 8th Edition (2023 FBC) for use in the High-Velocity Hurricane Zone (HVHZ) per TAS 201/202/203.

For maximum sizes and anchor type refer to installation drawings.

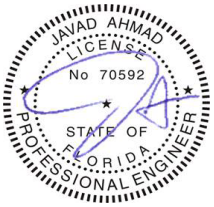
Comparative Analysis used: ○ YES ◉ NO

Mandatory Tests (Tested in accordance with AAMA 501 / 101 / I.S.2 / NAFS / TAS 202)					
TEST	**DESCRIPTION**	**TEST LOCATION**	**TEST REPORT DATE**	**TEST REPORT #**	**TEST REPORT SEALED BY**
ASTM E283/E283M-19	Air Infiltration Leakage	Hurricane Engineering & Testing Inc. (FL, 33178)	08/11/2025 10/15/2025	HETI-25-8346 HETI-25-8396	Ram N. Tewari Ph.D., P.E. FL PE# 46767
TAS 202-94	Uniform Static Test	Hurricane Engineering & Testing Inc. (FL, 33178)	08/11/2025 10/15/2025	HETI-25-8346 HETI-25-8396	Ram N. Tewari Ph.D., P.E. FL PE# 46767
ASTM E330-14(2021)	Structural Perf. by Uniform Static Air Pressure Dif.	Hurricane Engineering & Testing Inc. (FL, 33178)	08/11/2025 10/15/2025	HETI-25-8346 HETI-25-8396	Ram N. Tewari Ph.D., P.E. FL PE# 46767
ASTM E331-00(2016)	Water Penetration by Static Air Pressure Dif.	Hurricane Engineering & Testing Inc. (FL, 33178)	08/11/2025 10/15/2025	HETI-25-8346 HETI-25-8396	Ram N. Tewari Ph.D., P.E. FL PE# 46767
ASTM F588/AAMA 1302.5	Forced Entry Resistance	Hurricane Engineering & Testing Inc. (FL, 33178)	08/11/2025 10/15/2025	HETI-25-8346 HETI-25-8396	Ram N. Tewari Ph.D., P.E. FL PE# 46767
Supplemental Tests (Tested in accordance with TAS 201 and TAS-203)					
TEST	**DESCRIPTION**	**TEST LOCATION**	**TEST REPORT DATE**	**TEST REPORT #**	**TEST REPORT SEALED BY**
TAS 201-94	Impact Test (Large Missile Impact)	Hurricane Engineering & Testing Inc. (FL, 33178)	08/11/2025 10/15/2025	HETI-25-8346 HETI-25-8396	Ram N. Tewari Ph.D., P.E. FL PE# 46767
TAS 203-94	Cyclic Wind Pressure Load	Hurricane Engineering & Testing Inc. (FL, 33178)	08/11/2025 10/15/2025	HETI-25-8346 HETI-25-8396	Ram N. Tewari Ph.D., P.E. FL PE# 46767
ASTM E1886-19 / ASTM E1996-20	Large Missile Impact & Cyclic	Hurricane Engineering & Testing Inc. (FL, 33178)	08/11/2025 10/15/2025	HETI-25-8346 HETI-25-8396	Ram N. Tewari Ph.D., P.E. FL PE# 46767

Under the limitations of the attached installation drawings, to the best of my knowledge and ability, the above product conforms to the requirements of the 2023 Florida Building Code - 8th Edition (2023 FBC).

Evaluation Report Engineer:

Javad Ahmad, PE
FL P.E.# 70592
EB C.A.N. # 34254
JAVAD AHMAD PE, Inc.



Sealed: 10/21/2025

MG-2500T : THERMALLY BROKEN ALUMINUM COPLANAR DOOR WITH CONCEALED HINGE

(LARGE AND SMALL MISSILE IMPACT RATED)

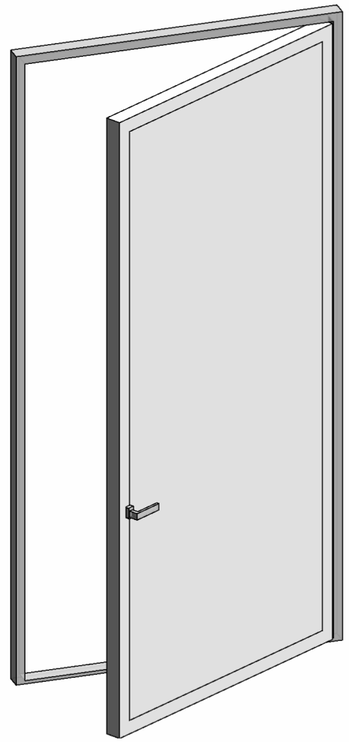
FL# 47317

SHEET INDEX

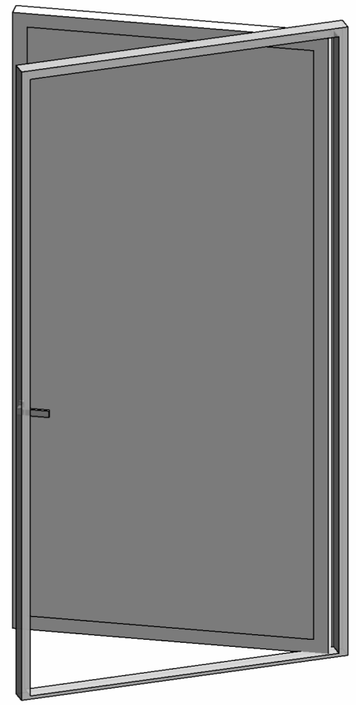
101	COVER PAGE
102	TYPICAL ELEVATION
103	SECTIONAL DETAILS
104	SECTIONAL DETAILS
105	SECTIONAL DETAILS
106	SECTIONAL DETAILS
107	ANCHORAGE LAYOUT
108	PARTS LIST
109	BILL OF MATERIAL

NOTE:

- THIS PRODUCT CAN BE COMBINED WITH OTHER FBC APPROVED MR GLASS DOORS & WINDOWS LLC. WHEN MULLED COMBINATIONS ARE USED, THE LOWER DESIGN PRESSURE FROM EACH PRODUCT WILL APPLY TO THE ENTIRE SYSTEM. FINAL APPROVAL OF ALL DESIGNS SHALL BE GRANTED BY THE GOVERNING MUNICIPALITY.
- IF THE DESIGN PRESSURES/ FRAME DIMENSIONS ON SITE EXCEEDS THE PRESSURES GIVEN IN THIS APPROVAL, PLEASE CONTACT MR GLASS DOORS & WINDOWS INC FOR SPECIAL APPROVALS.



OUT-SWING DOOR



IN-SWING DOOR

THERMALLY BROKEN COPLANAR DOOR

DESIGN PRESSURE RATING

PANEL SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
56-1/8" X117-5/8"	+/- 70 PSF	LARGE AND SMALL MISSILE IMPACT

GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023), FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ) PER TAS 201/202/203.
2. DESIGN PRESSURES MENTIONED IN THIS CERTIFICATION AS ALLOWABLE PRESSURES (ASD) BASED ON TESTED PRESSURE DIVIDED BY A FACTOR OF SAFETY OF 1.5.
3. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH THE STANDARDS IN NOTE 1 OF THE GENERAL NOTES AND IS LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE IMPACT RESISTANT SHUTTERS.
4. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
5. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE ANY SITE SPECIFIC INSTALLATION INFORMATION. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A QUALIFIED ENGINEER LICENSED IN THE STATE OF FLORIDA SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
7. THE CONTRACTOR IS RESPONSIBLE FOR INSULATING ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
8. FASTENERS DESCRIBED IN THIS CERTIFICATION ARE PERMITTED TO BE SUBSTITUTE PROVIDED THE STRENGTH OF THE ALTERNATIVE ANCHOR IS EQUAL TO OR GREATER THAN THE ORIGINALLY SPECIFIED ANCHOR. FINAL APPROVAL OF SUBSTITUTED ANCHORS SHALL BE BY OTHERS.
9. FASTENERS SHALL BE CADMIUM PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3 OF THE CURRENT CODE BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
10. ENGINEER'S SEAL AFFIXED HERE VALIDATES THE STRUCTURAL DESIGN AS SHOWN ONLY. THE USE OF THIS SPECIFICATION BY THE CONTRACTOR, ET AL., INDEMNIFIES AND SAVES HARMLESS THIS ENGINEER FROM ALL COSTS AND DAMAGES, INCLUDING LEGAL FEES AND APPELLATE FEES, RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, AND CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, AND FEDERAL CODES, AND FROM DEVIATIONS OF THIS PLAN.
11. THIS PRODUCT IS APPROVED FOR FORCED ENTRY RESISTANCE AS PER ASTM F588.
12. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
13. THIS PRODUCT IS APPROVED FOR FORCED ENTRY RESISTANCE AS PER ASTM F588 AND AAMA 1302.
14. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
15. SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION).
16. PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:
    MR GLASS DOORS & WINDOWS, LLC.
    8051 NW 79TH PL MEDLEY.MIAMI, FL 33166
    APPROVED BY FLORIDA BUILDING COMMISSION
    FLORIDA PRODUCT APPROVAL NUMBER FL# 47317

THIS SYSTEM IS APPROVED FOR INSTALLATION WHERE WATER INFILTRATION RESISTANCE IS REQUIRED UP TO +55 PSF (8.25 PSF WATER TEST)

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT.

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 :

MG-2500T : THERMALLY BROKEN ALUMINUM COPLANAR DOOR WITH CONCEALED HINGE

LARGE AND SMALL MISSILE IMPACT RATED

CLIENT :

MR GLASS DOORS & WINDOWS, LLC.

8051 NW 79TH PL MEDLEY
MIAMI, FL 33166

REVISION

No.	DATE	BY	DESCRIPTION

Date:	12-10-25
Scale:	N/A
Drawn by:	DK
Check by:	PK
Drawing no.	JA-1724-25

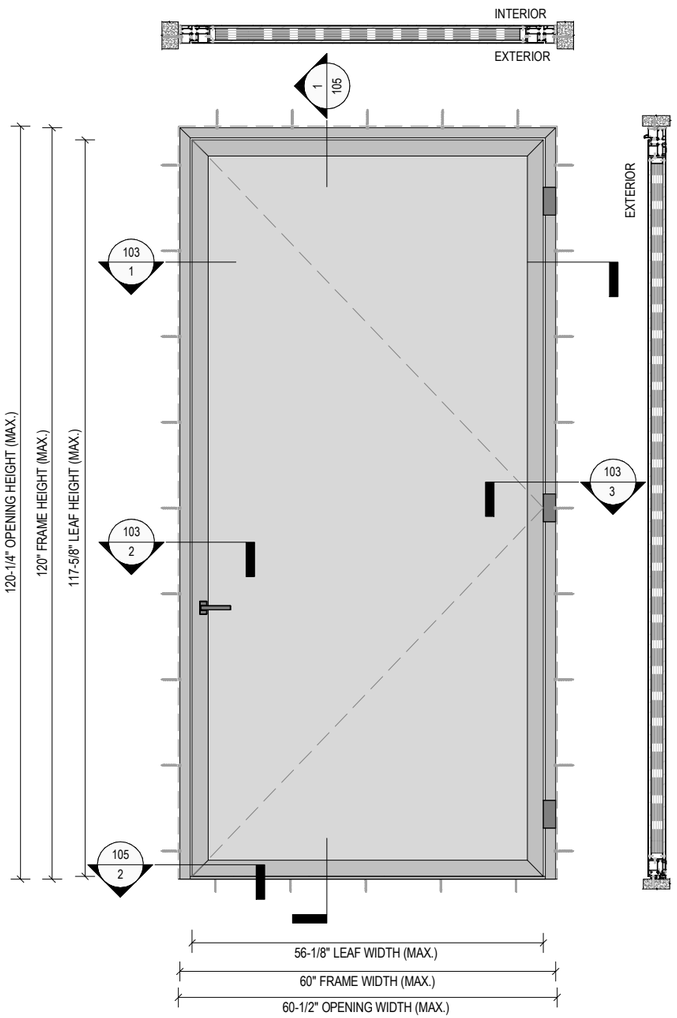
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

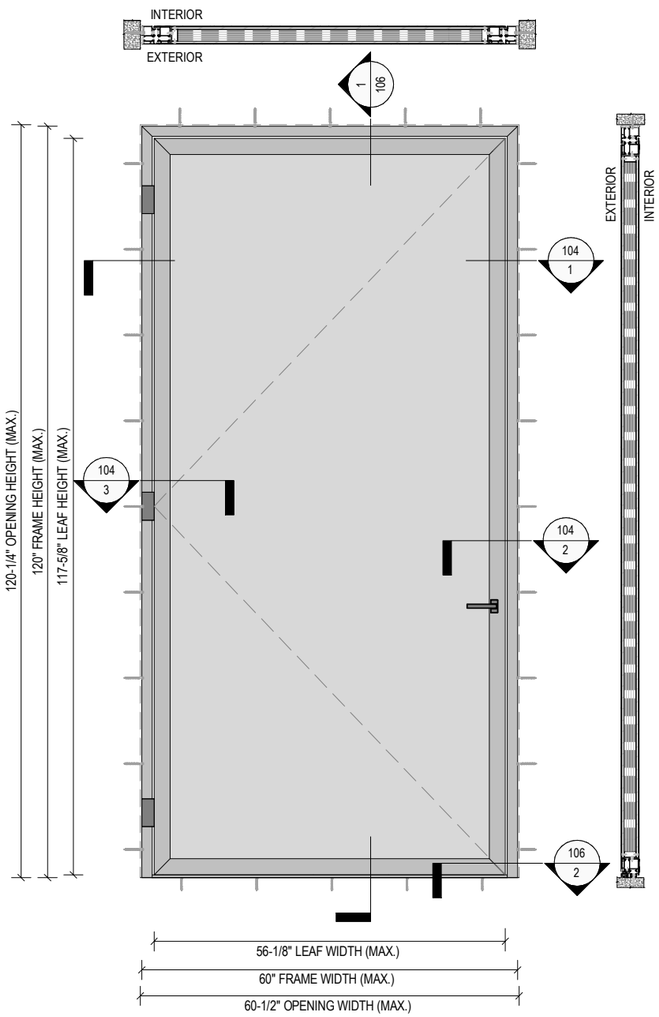
SEALED: 12-10-2025

TYPICAL ELEVATION

FL# 47317



1 / 102 **TYPICAL OUT-SWING DOOR**
NOT TO SCALE



2 / 102 **TYPICAL IN-SWING DOOR**
NOT TO SCALE

HARDWARE :

DOOR HANDLE : (1) ICONIC RECOVERABLE HANDLE MR. GLASS PART NO. 220067 LOCATED 43 ¼" FROM THE BOTTOM OF THE DOOR LEAF ATTACHED USING (2) #8X1" ST. ST. PFH SDS.

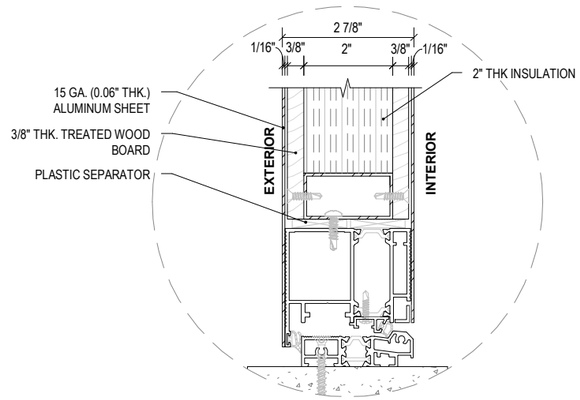
LOCK : CISA MULTITOP MATIC 4 POINT LOCKS MR. GLASS PART NO. 130206 ATTACHED USING (14) #8 X 1 ST. ST. PFH SELF-TAPPING SCREWS. THE LOCK ENGAGED THE LOCK STRIKES AT 15 ¾", 41 5/8", 72", AND 99 3/8" FROM THE BOTTOM OF THE DOOR LEAF.

KEYED LOCK : THE KEYED LOCK MR. GLASS PART NO130206 WAS LOCATED AT 39 ½" FROM THE BOTTOM AND ENGAGED THE STRIKES IN THE DOOR FRAME.

LOCK STRIKE PLATE: THE (4) STRIKE PLATES MR. GLASS PART NO. (1) 130200 & (3) 130201 MAIN STRIKE SINGLE POINT STRIKER RESPECTIVELY AND WERE ATTACHED TO THE LOCK STILE SIDE JAMB USING (2) #10 X 1" ST. ST. PHILIP FLAT HEAD SELF-TAPPING SCREWS WITH ONE SCREW AT EACH END.

HINGE : (3) CONCEALED HINGES; MR. GLASS PART NO. 285001 ATTACHED USING (2) #10-32 X 1 ½" FLAT HEAD MACHINE SCREWS AT EACH END USING A TOTAL OF EIGHT SCREWS AND WERE LOCATED AT 10 ¾", 58 ¾", 107 ½" FROM THE BOTTOM OF THE DOOR LEAF. THE HINGE DEPTH WAS INCREASED USING A BACKUP PLATE ON THE DOOR LEAF SIDE. THE BACKUP PLATE WAS ATTACHED TO THE HINGE USING (2) #10-32 X 3/8 FLAT HEAD MACHINE SCREW. THE ALUMINUM SHIMS WERE USED BOTH ON DOOR FRAME AND DOOR LEAF SIDE TO INSTALL THE HINGES.

WEEP/DRAIN HOLES : 3/16" X 1 ½" LONG DRAIN HOLES AT 7" FROM THE CORNER ON THE EXTERIOR SIZE & (1) IN THE SILL.



3 / 102 **PANEL DETAIL**
NOT TO SCALE

SYSTEM	MAX. LEAF WIDTH	MAX. LEAF HEIGHT	MAX. FRAME WIDTH	MAX. FRAME HEIGHT
THERMALLY BROKEN ALUMINUM COPLANAR DOOR	56-1/8"	117-5/8"	60"	120"

JAVAD AHMAD PE, inc
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support@ja-pe.com
CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MG-2500T : THERMALLY BROKEN ALUMINUM COPLANAR DOOR WITH CONCEALED HINGE

LARGE AND SMALL MISSILE IMPACT RATED

CLIENT :

MR GLASS DOORS & WINDOWS, LLC.

8051 NW 79TH PL MEDLEY
MIAMI, FL 33166

REVISION

No.	DATE	BY	DESCRIPTION

Date:	12-10-25
Scale:	N/A
Drawn by:	DK
Check by:	PK
Drawing no.	JA-1724-25

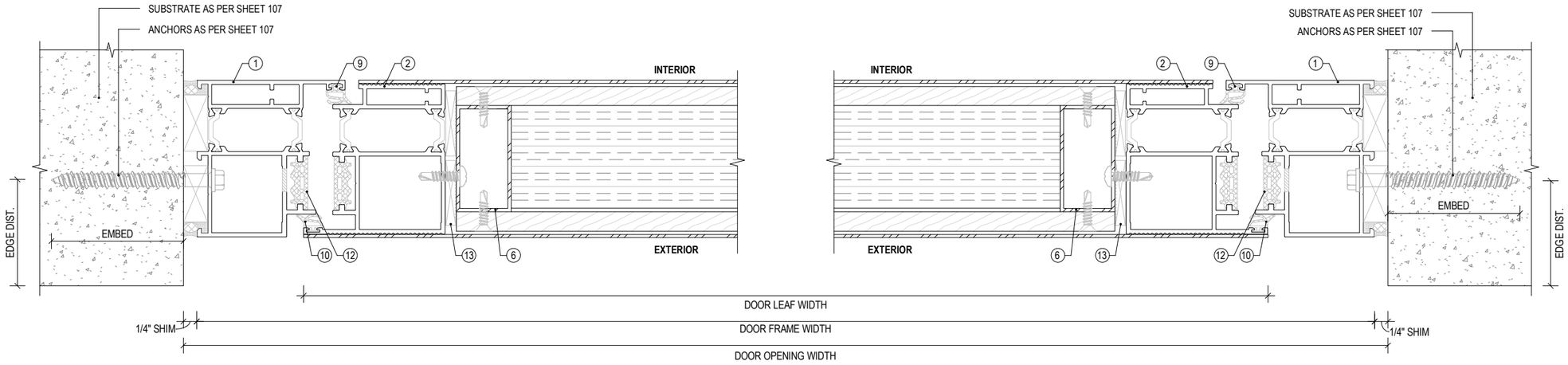
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 12-10-2025

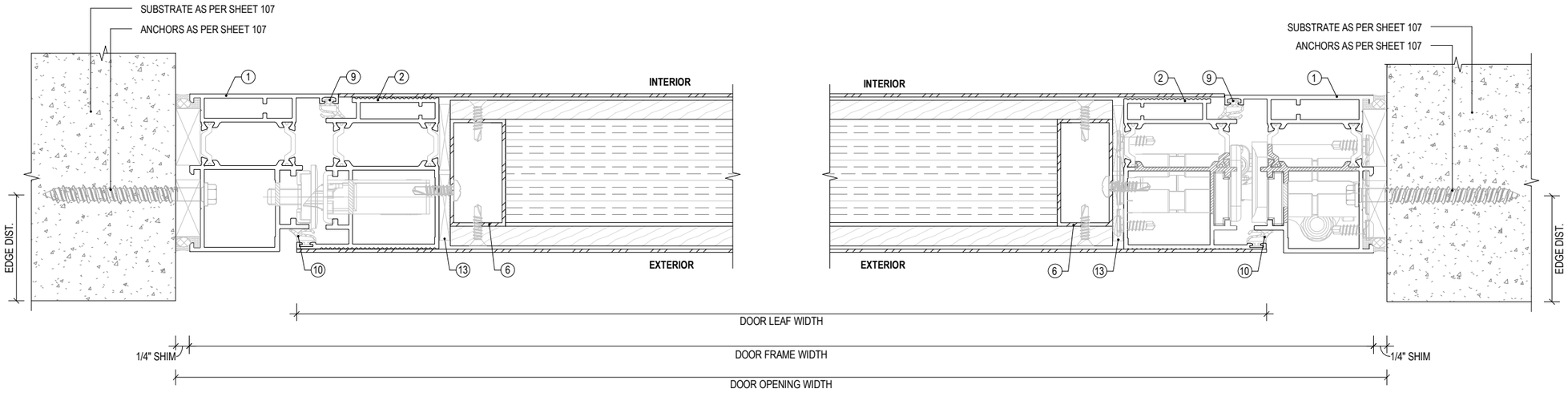
SECTIONAL DETAILS

FL# 47317



1/103 **TYPICAL HORIZONTAL SECTION DETAILS FOR OUT-SWING DOOR**

NOT TO SCALE



2/103 **HORIZONTAL SECTION DETAILS AT STRIKE LOCK FOR OUT-SWING DOOR**

NOT TO SCALE

3/103 **HORIZONTAL SECTION DETAILS AT HINGE FOR OUT-SWING DOOR**

NOT TO SCALE

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Ph: (305) 424-8001
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PROJECT :

MG-2500T : THERMALLY BROKEN ALUMINUM COPLANAR DOOR WITH CONCEALED HINGE

LARGE AND SMALL MISSILE IMPACT RATED

CLIENT :

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REVISION

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Drawn by:	DK
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Drawing no.	JA-1724-25

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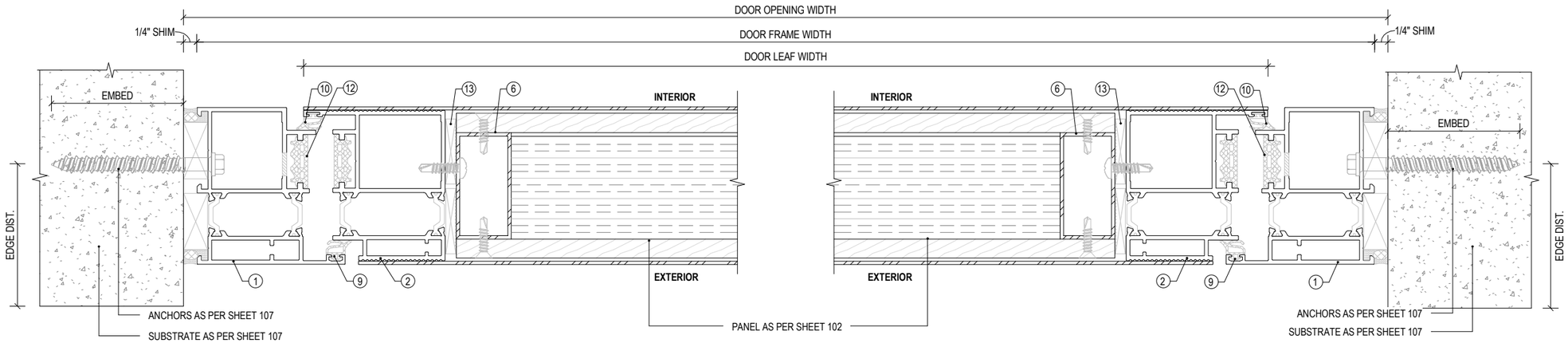
CIVIL FLA. PE # 70592 - C.A.N.34254

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 12-10-2025

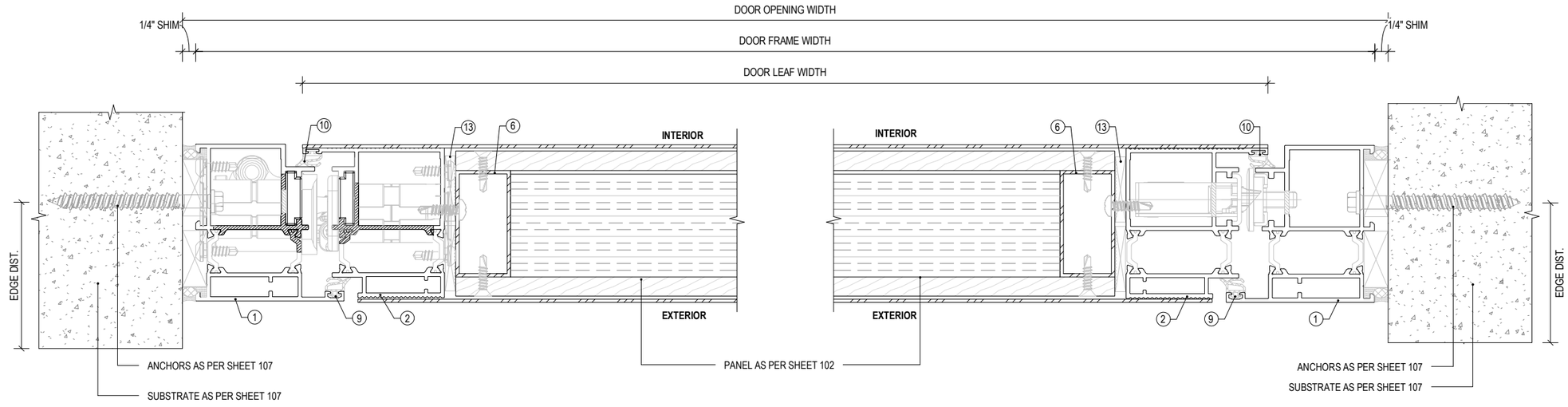
SECTIONAL DETAILS

FL# 47317



1/104 **TYPICAL HORIZONTAL SECTION DETAILS FOR IN-SWING DOOR**

NOT TO SCALE



2/104 **HORIZONTAL SECTION DETAILS AT STRIKE LOCK FOR IN-SWING DOOR**

NOT TO SCALE

3/104 **HORIZONTAL SECTION DETAILS AT HINGE FOR IN-SWING DOOR**

NOT TO SCALE

JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
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Ph: (305) 424-8001
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Date:	12-10-25
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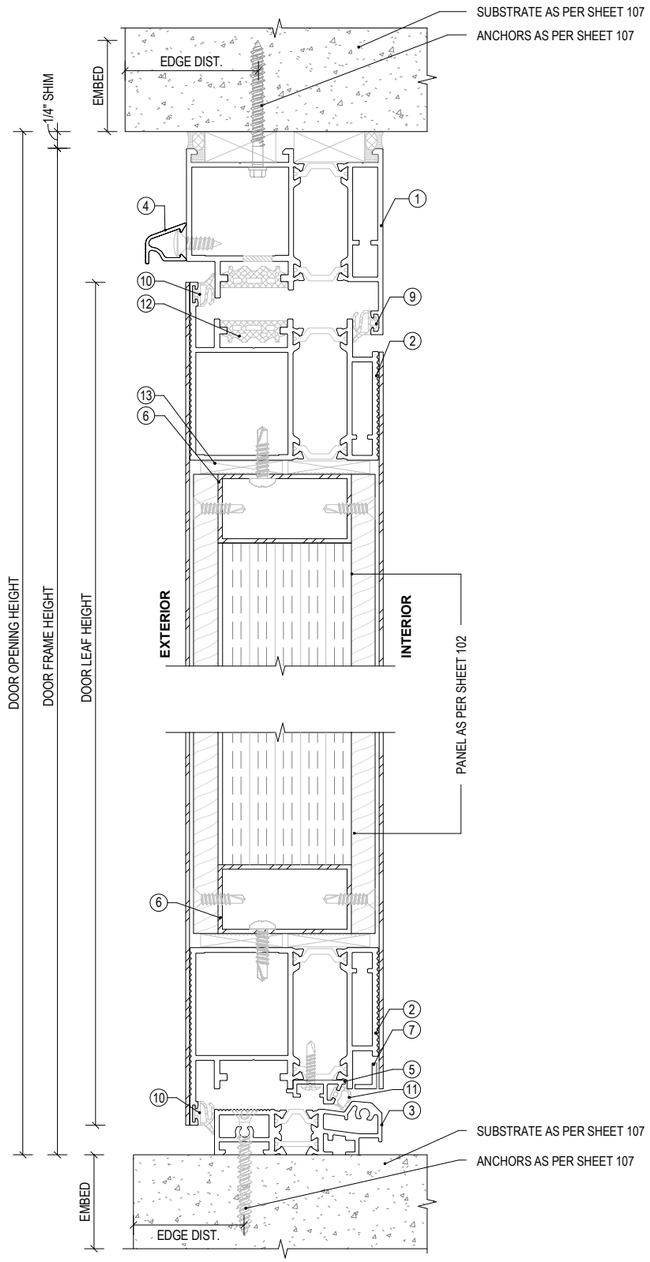
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 12-10-2025

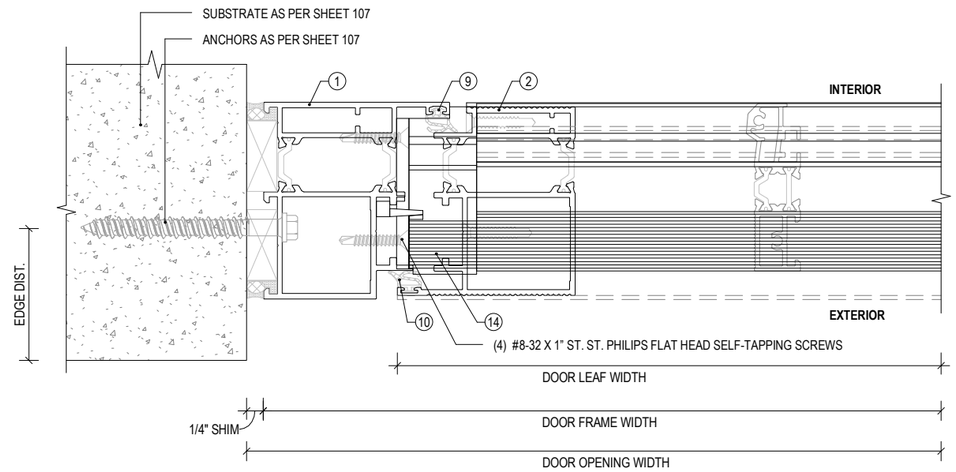
SECTIONAL DETAILS

FL# 47317



1 / 105 **VERTICAL SECTION DETAIL FOR OUT-SWING DOOR**

NOT TO SCALE



2 / 105 **HORIZONTAL SECTION DETAILS AT THRESHOLD FOR OUT-SWING DOOR**

NOT TO SCALE

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 :

MG-2500T : THERMALLY BROKEN ALUMINUM COPLANAR DOOR WITH CONCEALED HINGE

LARGE AND SMALL MISSILE IMPACT RATED

CLIENT :

MR GLASS DOORS & WINDOWS, LLC.

8051 NW 79TH PL MEDLEY
MIAMI, FL 33166

REVISION

No.	DATE	BY	DESCRIPTION

Date:	12-10-25
Scale:	N/A
Drawn by:	DK
Check by:	PK
Drawing no.	JA-1724-25

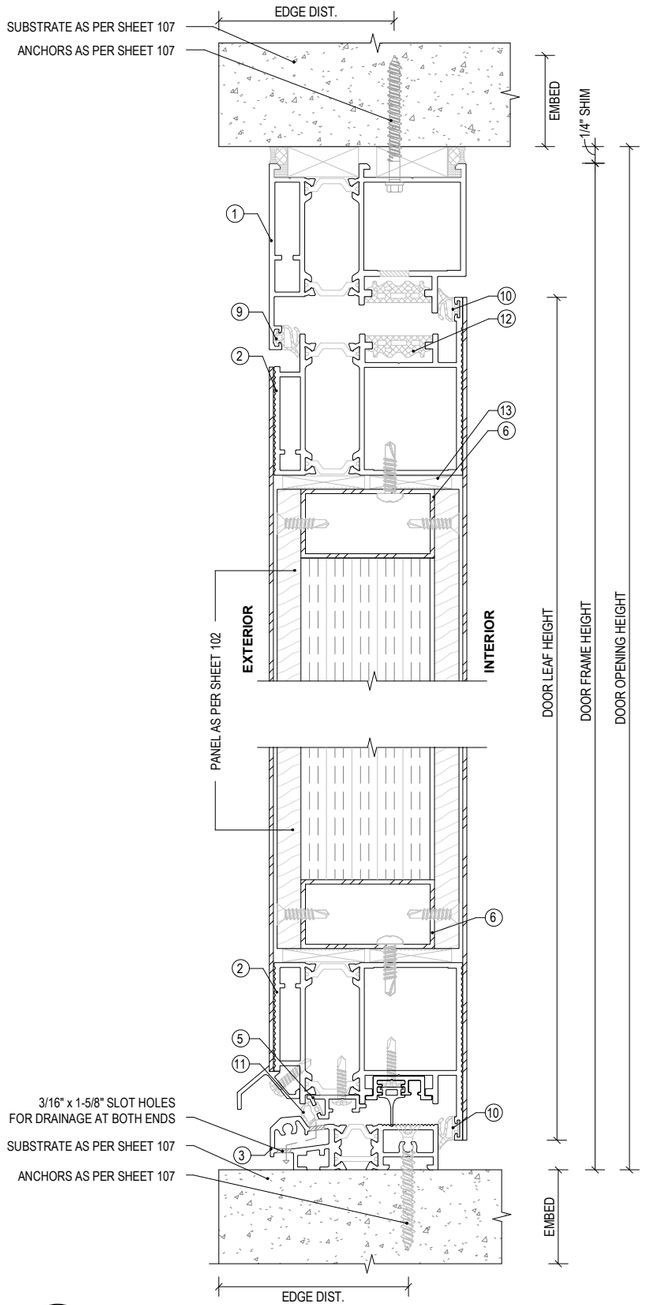
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 12-10-2025

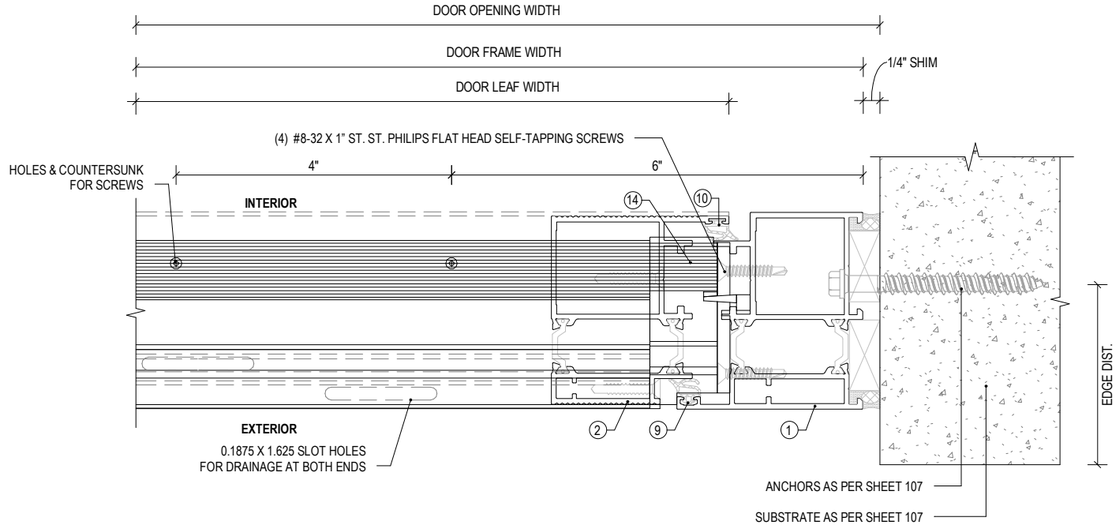
SECTIONAL DETAILS

FL# 47317



1/106 **VERTICAL SECTION DETAIL FOR IN-SWING DOOR**

NOT TO SCALE



2/106 **HORIZONTAL SECTION DETAILS AT THRESHOLD FOR IN-SWING DOOR**

NOT TO SCALE

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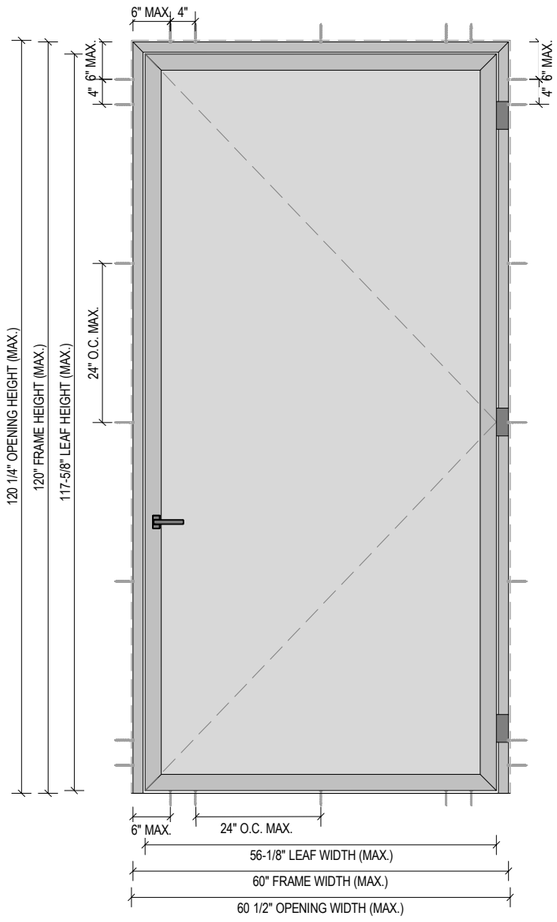
SEALED: 12-10-2025

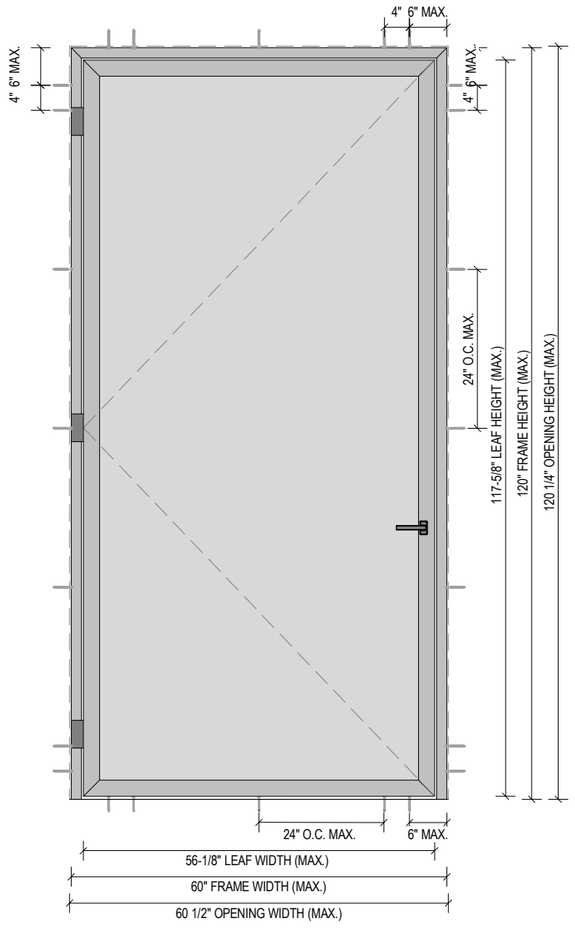
ANCHORAGE LAYOUT

FL# 47317



1 / 107 **ANCHORAGE LAYOUT OF OUTSWING DOOR**

NOT TO SCALE



2 / 107 **ANCHORAGE LAYOUT OF IN-SWING DOOR**

NOT TO SCALE

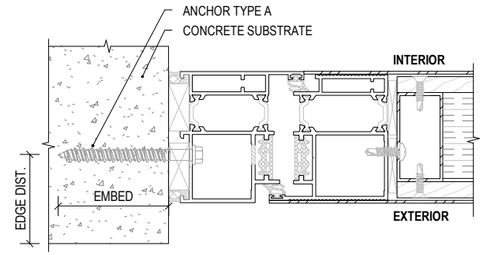
TYPICAL ANCHOR TYPES:

TYPE A -1/4" DEWALT ULTRACON+ (Fu = 177,000 PSI, Fv = 155,000 PSI)
- INTO 2BY WOOD WITH 1-1/2" MIN. PENETRATION, AND 1-3/4" MIN EDGE DISTANCE AND 18" O.C. SPACING.
- DIRECTLY INTO CONCRETE OR GROUT FILLED MASONRY WITH 1-3/4" EMBEDMENT, 2-1/2" MIN EDGE DISTANCE AND 24" O.C. SPACING.
- DIRECTLY INTO HOLLOW MASONRY WITH 1-1/4" EMBEDMENT, 2-1/2" MIN EDGE DISTANCE, AND 24" O.C. SPACING.

TYPE B - 1/4"-20 SS SCREWS (GRADE 5 MIN)
- INTO 1/8" MIN. THK. ALUMINUM / STEEL WITH (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS, AND 3/4" MIN EDGE DISTANCE AND 24" O.C. SPACING.
- INTO MIN. 1/8" THK. APPROVED MULLIONS WITH (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS, AND 3/4" MIN EDGE DISTANCE AND 24" O.C. SPACING.

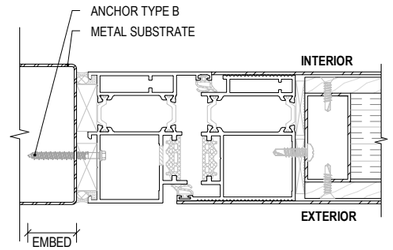
ANCHOR / SUBSTRATE NOTES:
- WOOD AT HEAD OR JAMBS IS SOUTHERN YELLOW PINE #2 (SG=0.55 MIN.)
- CONCRETE AT HEAD OR JAMBS f'c= 3000 PSI
- C-90 HOLLOW/GROUT FILLED MASONRY UNITS AT JAMBS f'M= 2000 PSI
- STEEL (1/8" THK., A36 MIN) AT HEAD OR JAMBS
- ALUMINUM (1/8" THK., 6063-T6 MIN) AT HEAD OR JAMBS
- STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED

NOTE:
THE WOOD BUCKS, CONCRETE AND METAL STRUCTURE SHOWN ON THIS SHEET SHALL BE DESIGNED BY OTHERS AND ARE NOT PART OF THIS APPROVAL. THEY MUST BE CAPABLE OF WITHSTANDING THE LOADS IMPOSED BY THE GLAZING SYSTEM AND TRANSFERRING THEM TO THE BUILDING STRUCTURE.



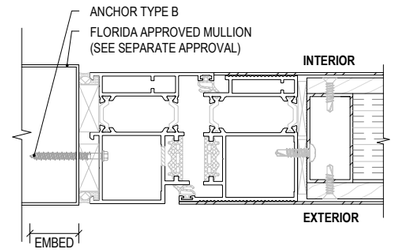
3 / 107 **ANCHORAGE INTO CONCRETE STRUCTURE**

NOT TO SCALE



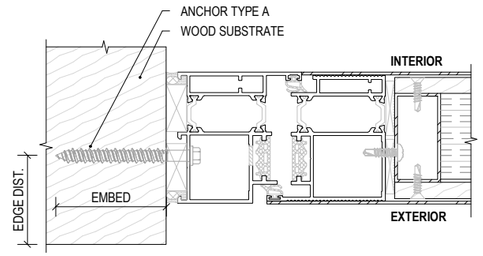
4 / 107 **ANCHORAGE INTO METAL STRUCTURE**

NOT TO SCALE



5 / 107 **ANCHORAGE INTO ALUMINUM STRUCTURE**

NOT TO SCALE



6 / 107 **ANCHORAGE INTO WOOD STRUCTURE**

NOT TO SCALE

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REVISION

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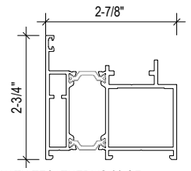
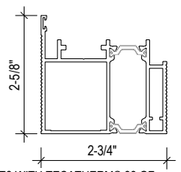
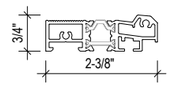
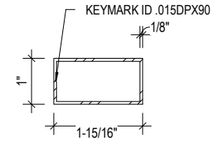
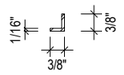
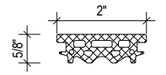
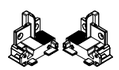
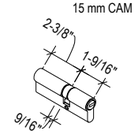
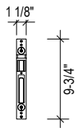
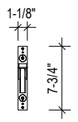
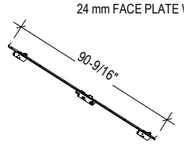
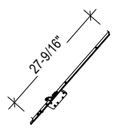
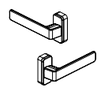
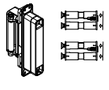
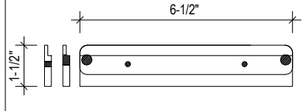
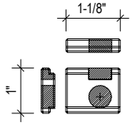
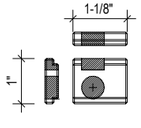
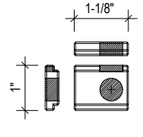
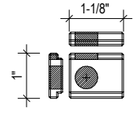
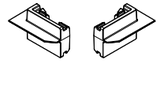
SEALED: 12-10-2025

PARTS LIST

FL# 47317

1 DOOR FRAME  ALLOY 6063-T6 WITH TECATHERM® 66 GF E 7270	2 DOOR LEAF  ALLOY 6063-T6 WITH TECATHERM® 66 GF E 7286	3 THRESHOLD  ALLOY 6063-T6 WITH TECATHERM® 66 GF E 7290	4 DRIP CAP ALLOY 6063-T6 E 10499	5 COUPLING FOR THRESHOLD SWING ALLOY 6063-T6 E 110109	6 ALUMINUM CHANNEL@ PANEL SANDWICH  ALLOY 6063-T6 A24TE-03
7 ALUMINUM ANGLE @ BOTTOM INT. DOOR PANEL  ALLOY 6063-T6 A24TE-05	8 DOOR CHANNEL COUPLING ALLOY 6063-T5 E 17101	9 SWING JOINT GASKET EPDM 110107	10 DOOR LEAF SWING JOINT GASKET EPDM 194184	11 THRESHOLD SEAL GASKET EPDM 194202	12 CHANNEL JOINT GASKET  EPDM 194173
13 SEPARATOR (100 x 20 x 4 mm) PLASTIC 144048	14 THRESHOLD ADAPTER  EPDM 241054	15 UNION SQUADRON @ 7270 ALUMINUM 112164	16 UNION SQUADRON @ 7270 ALUMINUM 112165	17 UNION SQUADRON @ 7286 ALUMINUM 112171	18 40 x 60 mm CYLINDER WITH 15 mm CAM  STAINLESS STEEL 130053
19 MAIN STRIKE  130200	20 STRIKE  130201	21 CISA 'MULTITOP MATIC' LOCK 24 mm FACE PLATE W/ 4 P LOCK  130206	22 SUPPLEMENT LOCK  130226	23 CONIC RECOVERABLE HANDLE  220067	24 ICONIC CYLINDER COVER 282020
25 CONCEALED HINGE  285001	26 ALUMINUM SHIM  A25T-03	27 ALUMINUM SHIM AT HINGE @ 7270  ALLOY 6063-T5 A25T-01L	28 ALUMINUM SHIM AT HINGE @ 7270  ALLOY 6063-T5 A25T-01R	29 ALUMINUM SHIM AT HINGE @ 7286  ALLOY 6063-T5 A25T-02L	30 ALUMINUM SHIM AT HINGE @ 7286  ALLOY 6063-T5 A25T-01L
31 SCREW FOR ATTACHING DRIP CAP STAINLESS STEEL 159047	32 LEAF FLASHING ALLOY 6063-T5 E 17103	33 CHANNEL COUPLING GASKET EPDM 110047	34 CHANNEL COUPLING CAPS  EPDM 241055		

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SEALED: 12-10-2025

BILL OF MATERIAL

FL# 47317

BILL OF MATERIAL				
ITEM #	REQUIREMENT	PART#	DESCRIPTION:	MATERIAL
1	AS REQD.	E 7270	DOOR FRAME	ALLOY 6063-T6 THERMALLY BROKEN WITH TECATHERM® 66 GF*
2	AS REQD.	E7286	DOOR LEAF	ALLOY 6063-T6 THERMALLY BROKEN WITH TECATHERM® 66 GF*
3	AS REQD.	E 7290	THRESHOLD	ALLOY 6063-T6 THERMALLY BROKEN WITH TECATHERM® 66 GF*
4	AS REQD.	E 10499	DRIP CAP	ALLOY 6063-T6
5	AS REQD.	E110109	COUPLING FOR THRESHOLD SWING	ALLOY 6063-T6
6	AS REQD.	E 17101	ALUMINUM CHANNEL@ PANEL SANDWICH	ALLOY 6063-T6
7	AS REQD.	A24TE-05	ALUMINUM ANGLE @ BOTTOM INT. DOOR PANEL	ALLOY 6063-T6
8	AS REQD.	A24TE-04	DOOR CHANNEL COUPLING	ALLOY 6063-T5
9	AS REQD.	110107	SWING JOINT GASKET	EPDM
10	AS REQD.	194184	DOOR LEAF SWING JOINT GASKET	EPDM
11	AS REQD.	194202	THRESHOLD SEAL GASKET	EPDM
12	AS REQD.	194173	CHANNEL JOINT GASKET	EPDM
13	AS REQD.	144048	SEPARATOR (100 x 20 x 4 mm)	PLASTIC
14	AS REQD.	241054	THRESHOLD ADAPTER	EPDM
15	AS REQD.	112164	UNION SQUADRON @ 7270	ALUMINUM
16	AS REQD.	112165	UNION SQUADRON @ 7270	ALUMINUM
17	AS REQD.	112171	UNION SQUADRON @ 7286	ALUMINUM
18	AS REQD.	130053	40 x 60 mm CYLINDER WITH 15 mm CAM	STAINLESS STEEL
19	AS REQD.	130200	MAIN STRIKE	-
20	AS REQD.	130201	STRIKE	-
21	AS REQD.	130206	CISA 'MULTITOP MATIC' LOCK 24 mm FACE PLATE W/ 4 P LOCK	-
22	AS REQD.	130226	SUPPLEMENT LOCK	-
23	AS REQD.	220067	CONIC RECOVERABLE HANDLE	-
24	AS REQD.	282020	ICONIC CYLINDER COVER	-
25	AS REQD.	285001	CONCEALED HINGE	-
26	AS REQD.	A25T-03	ALUMINUM SHIM	-
27	AS REQD.	A25T-01L	ALUMINUM SHIM AT HINGE @ 7270	ALLOY 6063-T5
28	AS REQD.	A25T-01R	ALUMINUM SHIM AT HINGE @ 7270	ALLOY 6063-T5
29	AS REQD.	A25T-02L	ALUMINUM SHIM AT HINGE @ 7286	ALLOY 6063-T5
30	AS REQD.	A25T-01L	ALUMINUM SHIM AT HINGE @ 7286	ALLOY 6063-T5
31	AS REQD.	159047	#6-20X1/2" LG, PH OVAL HEAD, SELF TAPPING SCREW DRIP CAP	STAINLESS STEEL
32	AS REQD.	E 17103	LEAF FLASHING	ALLOY 6063-T5
33	AS REQD.	110047	CHANNEL COUPLING GASKET	EPDM
34	AS REQD.	241055	CHANNEL COUPLING CAPS	EPDM
35	AS REQD.	S1	#6-20X 5/8" LG, PH PH SELF-DRILLING SCREW, SS 410	STAINLESS STEEL
36	AS REQD.	S2	#8-32X1" LG, PH PH SELF-TAPPING SCREW, SS 410	STAINLESS STEEL
37	AS REQD.	S3	#8-18X 1/2" LG, PH PH SELF-DRILLING SCREW	STAINLESS STEEL
38	AS REQD.	S4	#8-18X 3/4" LG, PH PH SELF-DRILLING SCREW	STAINLESS STEEL
39	AS REQD.	S5	#10-16X 3/4" LG, PH PH SELF-DRILLING SCREW	STAINLESS STEEL
40	AS REQD.	S6	#10-16X1" LG, PH PH SELF-DRILLING SCREW	STAINLESS STEEL

* POLYAMIDE 66 REINFORCED WITH 25% GLASS FIBER (PA66-GF25)

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8051 NW 79TH PL MEDLEY
MIAMI, FL 33166

REVISION

No.	DATE	BY	DESCRIPTION

Date:	12-10-25
Scale:	N/A
Drawn by:	DK
Check by:	PK
Drawing no.	JA-1724-25

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

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 12-10-2025