

SHEET INDEX	
101	COVER PAGE
102	TYPICAL ELEVATIONS
103	GLAZING DETAIL
104	PANEL SECTIONAL DETAILS - THERMALLY BROKEN
105	SECTIONAL DETAILS - THERMALLY BROKEN
106	SECTIONAL DETAILS - THERMALLY BROKEN
107	PANEL SECTIONAL DETAILS - THERMALLY BROKEN
108	SECTIONAL DETAILS - THERMALLY BROKEN
109	SECTIONAL DETAILS - THERMALLY BROKEN
110	PANEL SECTIONAL DETAILS - NON-THERMALLY BROKEN
111	SECTIONAL DETAILS - NON-THERMALLY BROKEN
112	SECTIONAL DETAILS - NON-THERMALLY BROKEN
113	PANEL SECTIONAL DETAILS - NON-THERMALLY BROKEN
114	SECTIONAL DETAILS - NON-THERMALLY BROKEN
115	SECTIONAL DETAILS - NON-THERMALLY BROKEN
116	ANCHORAGE LAYOUT
117	ANCHORAGE DETAIL
118	PARTS LIST
119	FRAME ASSEMBLY DETAILS

NOTE: THIS PRODUCT CAN BE COMBINED WITH OTHER FBC APPROVED AMERICAN STEEL MANUFACTURING PRODUCTS. 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.

DESIGN PRESSURES:

PLEASE SEE SHEET 103 FOR PRESSURES

GENERAL NOTES

1. THIS 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. GLASS CAPACITIES FOUND IN THE CHARTS HEREIN THIS CERTIFICATION ARE BASED ON ASTM E1300-16 (3 SEC. GUSTS).
3. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
4. PRESSURES PROVIDED IN THE CERTIFICATION ARE BASED ON THE ALLOWABLE STRESS DESIGN METHOD (ASD).
5. 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.
6. 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.
7. 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.

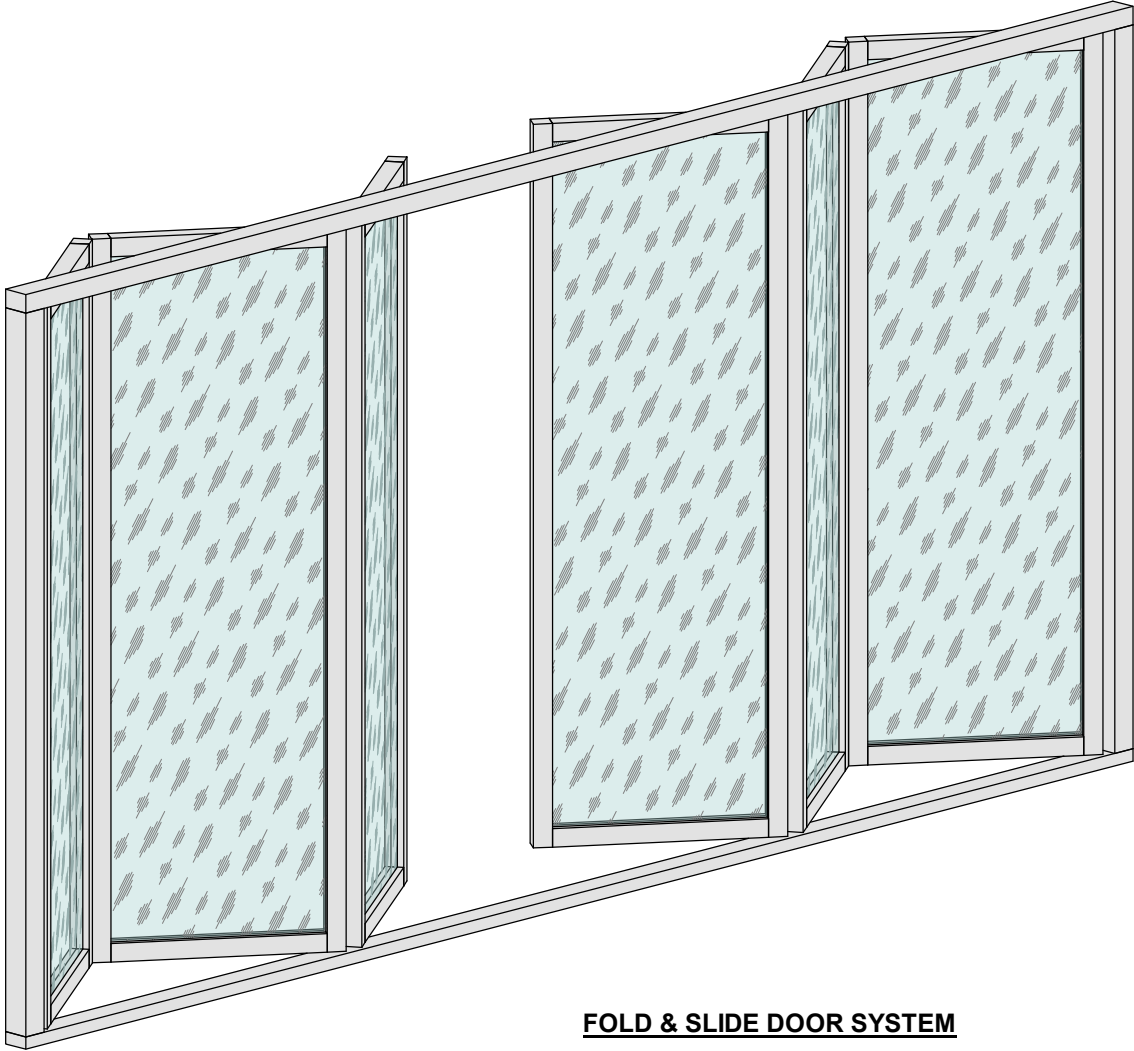
8. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
9. THE CONTRACTOR IS RESPONSIBLE FOR INSULATING ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
10. 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.
11. 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.
12. 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.
13. THIS PRODUCT IS APPROVED FORCED ENTRY RESISTANCE FOR AS PER ASTM F588.

14. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
15. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
16. SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION).
17. PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:

AMERICAN STEEL MANUFACTURING, LLC
280 W. HILLSBORO BLVD / DEERFIELD BEACH, FL 33441
APPROVED BY FLORIDA BUILDING COMMISSION
FLORIDA PRODUCT APPROVAL NUMBER FL# 47349.1

THIS SYSTEM IS APPROVED FOR INSTALLATION WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

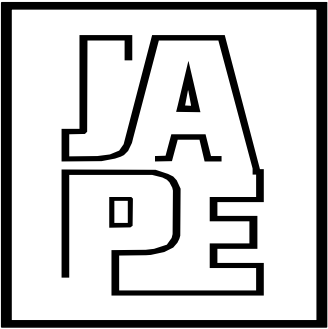
THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT.



FOLD & SLIDE DOOR SYSTEM

AMERICAN STEEL MANUFACTURING, LLC
FOLD & SLIDE DOOR SYSTEM
(LARGE AND SMALL MISSILE IMPACT RATED)

FL# 47349.1



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 :

FOLD & SLIDE DOOR SYSTEM

CLIENT :

AMERICAN STEEL
MANUFACTURING, LLC

280 W. HILLSBORO BLVD /
DEERFIELD BEACH, FL 33441

REVISION

No.	DATE	BY	DESCRIPTION

Date: 02-14-2025

Scale: N/A

Drawn by: SA

Check by: AI

Drawing no. JA-1582-23

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



SEALED: 02-14-2025

TYPICAL ELEVATIONS

FL# 47349.1



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7875 NW 12 Street, Suite 102
Doral, FL 33126

Ph: (305) 424-8000
support@ja-pe.com

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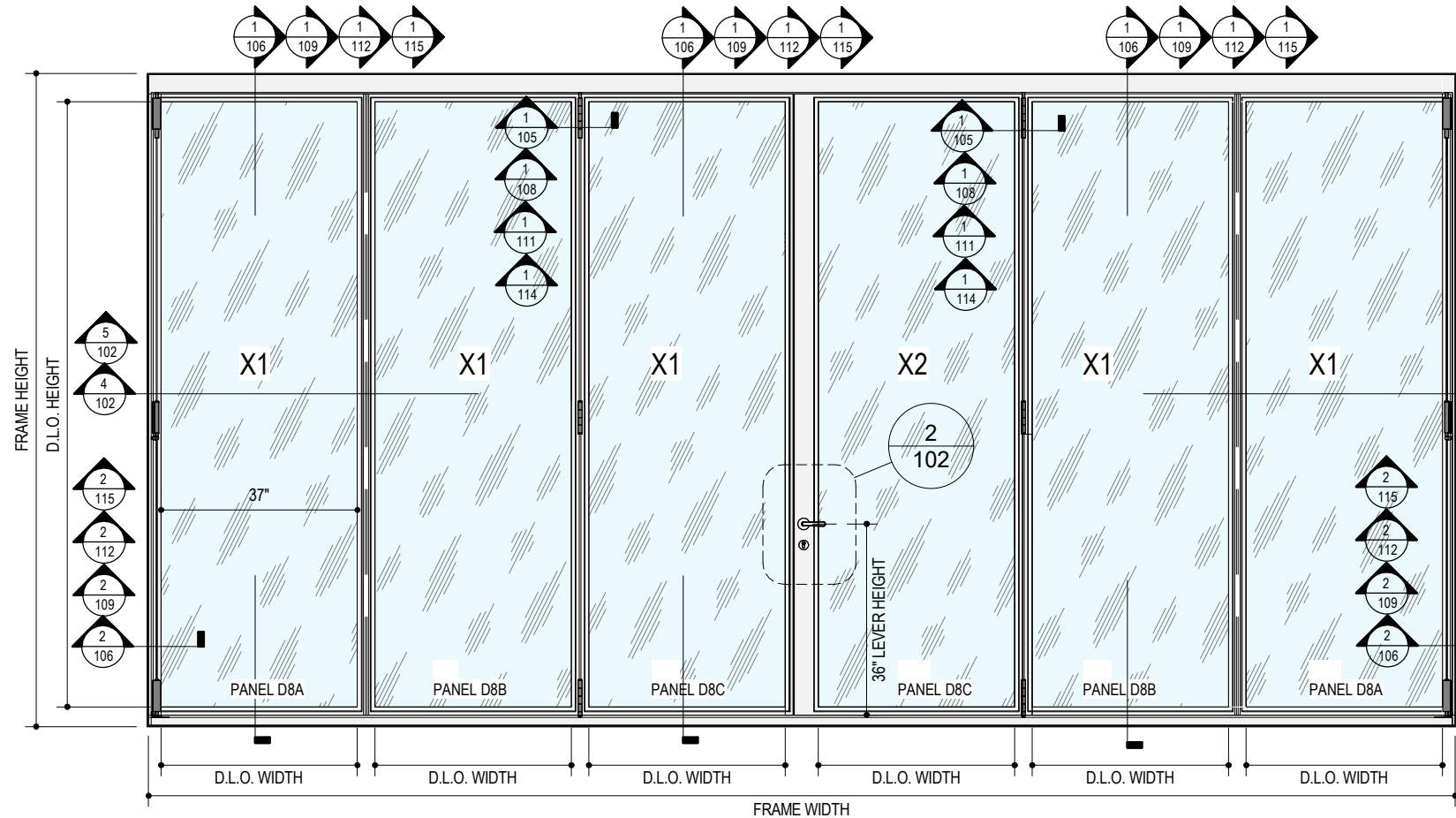
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



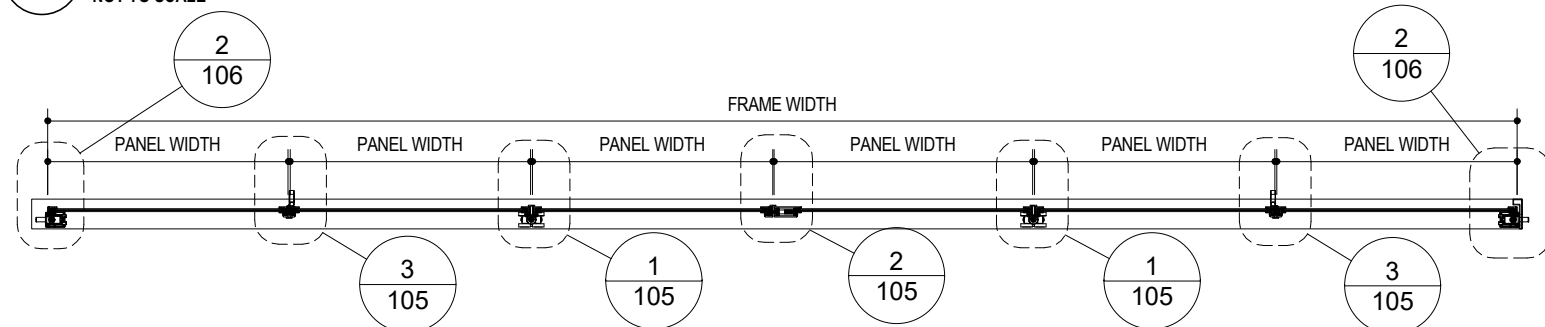
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102

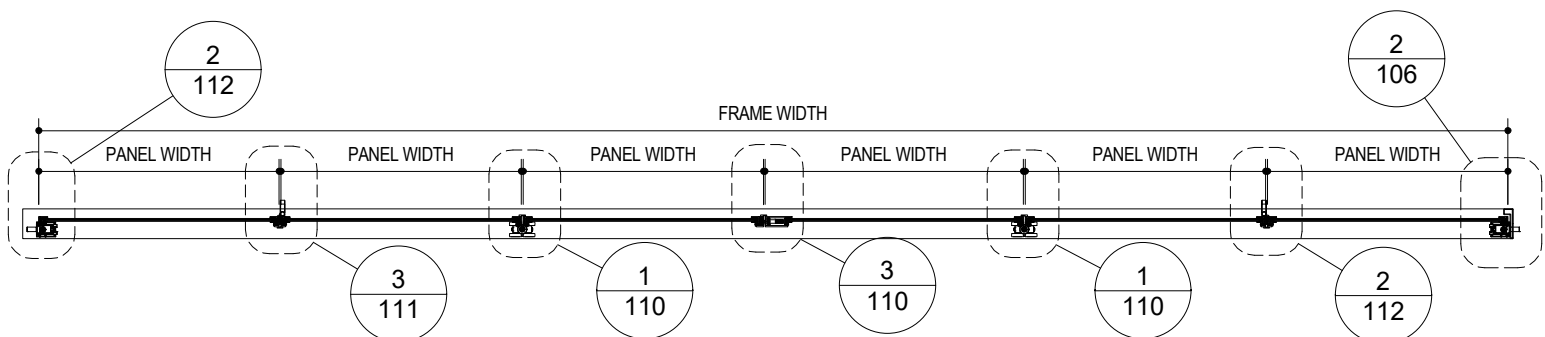
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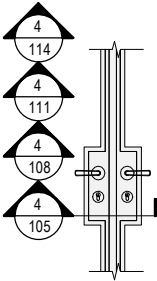
1 TYPICAL ELEVATION
102 NOT TO SCALE



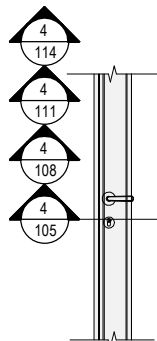
4 HORIZONTAL SECTION THERMALLY BROKEN
102 NOT TO SCALE



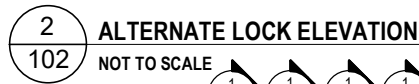
5 HORIZONTAL SECTION NON-THERMALLY BROKEN
102 NOT TO SCALE



DOOR LOCK TYPE



DOOR LOCK TYPE

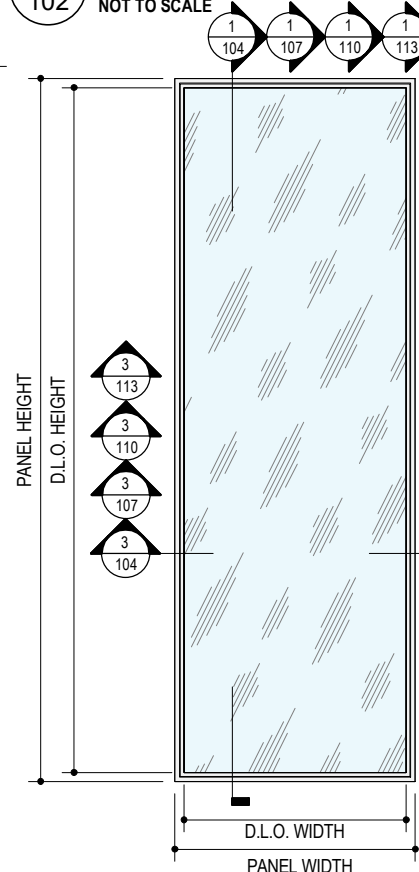


2
102

ALTERNATE LOCK ELEVATION

NOT TO SCALE

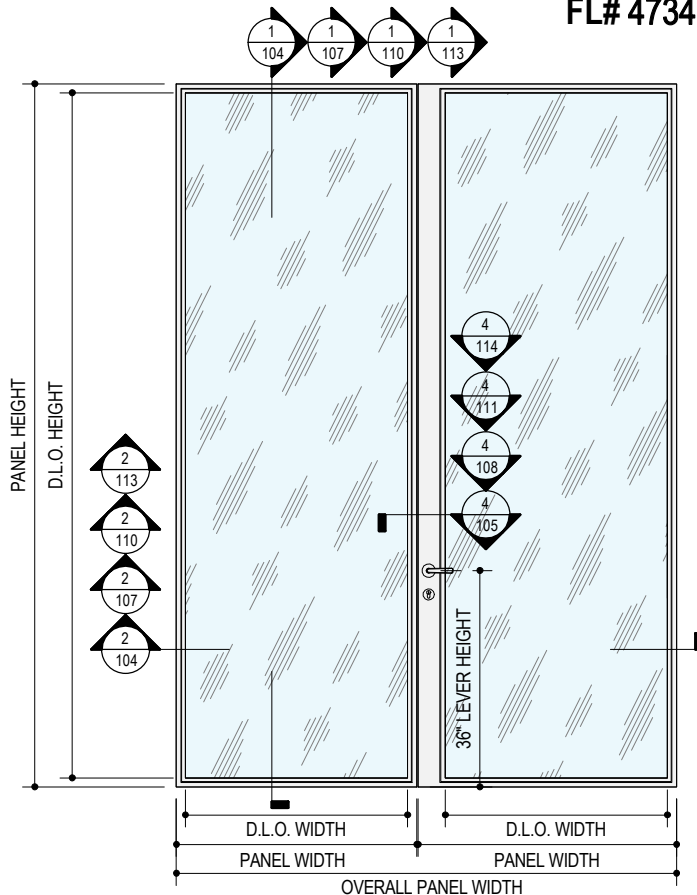
1 1 1 1



6
102

TYPICAL PANEL ELEVATION-D8A

NOT TO SCALE

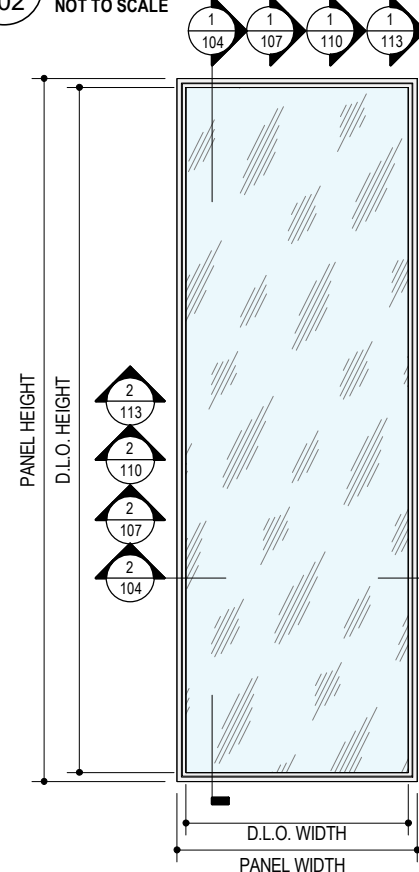


3
102

TYPICAL PANEL ELEVATION-D80

NOT TO SCALE

1 1 1



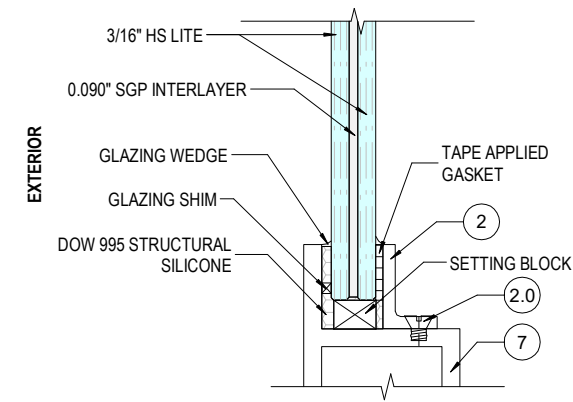
7
102

TYPICAL PANEL ELEVATION-D8E

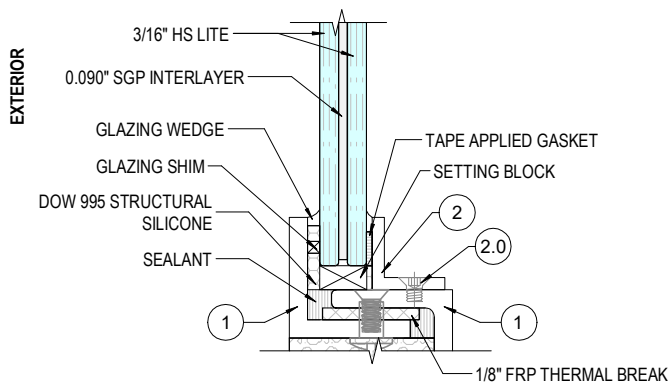
NOT TO SCALE

GLAZING DETAIL

FL# 47349.1



1
103
TYPICAL GLAZING DETAIL NON-THERMALLY BROKEN
NOT TO SCALE



2
103
TYPICAL GLAZING DETAIL THERMALLY BROKEN
NOT TO SCALE

SYSTEM	MAX. D.L.O. WIDTH	MAX. D.L.O. HEIGHT	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
FOLD AND SLIDE 1. D8A 2. D8B 3. D8C	40"	119-9/16"	43-1/4"	122-9/16"

D.L.O. CALCULATION

- DLO WIDTH = PANEL WIDTH - 3"
- DLO HEIGHT = PANEL HEIGHT - 3"

PANEL WIDTH CALCULATION

- PANEL WIDTH (X1) = (FRAME WIDTH - 5-1/4")/6
- PANEL WIDTH (X2) = X1 + 3"

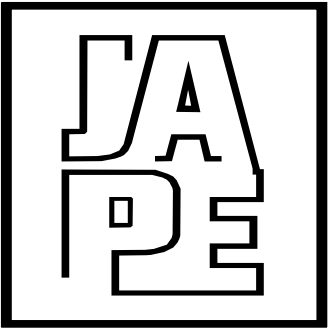
NOTE:

- SCREWS OPTIONAL AT GLASS STOP

ALLOWABLE DESIGN LOAD CAPACITY - PSF									
D.L.O. WIDTH (IN.)	D.L.O. HEIGHT (IN.)	PRESSURE CAPACITY			D.L.O. WIDTH (IN.)	D.L.O. HEIGHT (IN.)	PRESSURE CAPACITY		
		BRONZE	ALUMINUM	STEEL			BRONZE	ALUMINUM	STEEL
18	64	+/- 45	+/- 50	+/- 55	30	64	+/- 45	+/- 50	+/- 55
	70	+/- 45	+/- 50	+/- 55		70	+/- 45	+/- 50	+/- 55
	76	+/- 45	+/- 50	+/- 55		76	+/- 45	+/- 50	+/- 55
	82	+/- 45	+/- 50	+/- 55		82	+/- 45	+/- 50	+/- 55
	88	+/- 45	+/- 50	+/- 55		88	+/- 45	+/- 50	+/- 55
	94	+/- 45	+/- 50	+/- 55		94	+/- 45	+/- 50	+/- 55
	100	+/- 45	+/- 50	+/- 55		100	+/- 45	+/- 50	+/- 55
	106	+/- 45	+/- 50	+/- 55		106	+/- 45	+/- 50	+/- 55
	114	+/- 45	+/- 50	+/- 55		114	+/- 45	+/- 50	+/- 55
	119-9/16	+/- 45	+/- 50	+/- 55		119-9/16	+/- 45	+/- 50	+/- 55
22	64	+/- 45	+/- 50	+/- 55	34	64	+/- 45	+/- 50	+/- 55
	70	+/- 45	+/- 50	+/- 55		70	+/- 45	+/- 50	+/- 55
	76	+/- 45	+/- 50	+/- 55		76	+/- 45	+/- 50	+/- 55
	82	+/- 45	+/- 50	+/- 55		82	+/- 45	+/- 50	+/- 55
	88	+/- 45	+/- 50	+/- 55		88	+/- 45	+/- 50	+/- 55
	94	+/- 45	+/- 50	+/- 55		94	+/- 45	+/- 50	+/- 55
	100	+/- 45	+/- 50	+/- 55		100	+/- 45	+/- 50	+/- 55
	106	+/- 45	+/- 50	+/- 55		106	+/- 45	+/- 50	+/- 55
	114	+/- 45	+/- 50	+/- 55		114	+/- 45	+/- 50	+/- 55
	119-9/16	+/- 45	+/- 50	+/- 55		119-9/16	+/- 45	+/- 50	+/- 55
26	64	+/- 45	+/- 50	+/- 55	40	64	+/- 45	+/- 50	+/- 55
	70	+/- 45	+/- 50	+/- 55		70	+/- 45	+/- 50	+/- 55
	76	+/- 45	+/- 50	+/- 55		76	+/- 45	+/- 50	+/- 55
	82	+/- 45	+/- 50	+/- 55		82	+/- 45	+/- 50	+/- 55
	88	+/- 45	+/- 50	+/- 55		88	+/- 45	+/- 50	+/- 55
	94	+/- 45	+/- 50	+/- 55		94	+/- 45	+/- 50	+/- 55
	100	+/- 45	+/- 50	+/- 55		100	+/- 45	+/- 50	+/- 55
	106	+/- 45	+/- 50	+/- 55		106	+/- 45	+/- 50	+/- 55
	114	+/- 45	+/- 50	+/- 55		114	+/- 45	+/- 50	+/- 55
	119-9/16	+/- 45	+/- 50	+/- 55		119-9/16	+/- 45	+/- 50	+/- 55

NOTES:

- MAXIMUM THICKNESS OF THERMAL BREAK IS 0.5"



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PROJECT :

FOLD & SLIDE DOOR SYSTEM

CLIENT :

AMERICAN STEEL
MANUFACTURING, LLC

280 W. HILLSBORO BLVD /
DEERFIELD BEACH, FL 33441

REVISION

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Date: 02-14-2025

Scale: N/A

Drawn by: SA

Check by: AI

Drawing no. JA-1582-23

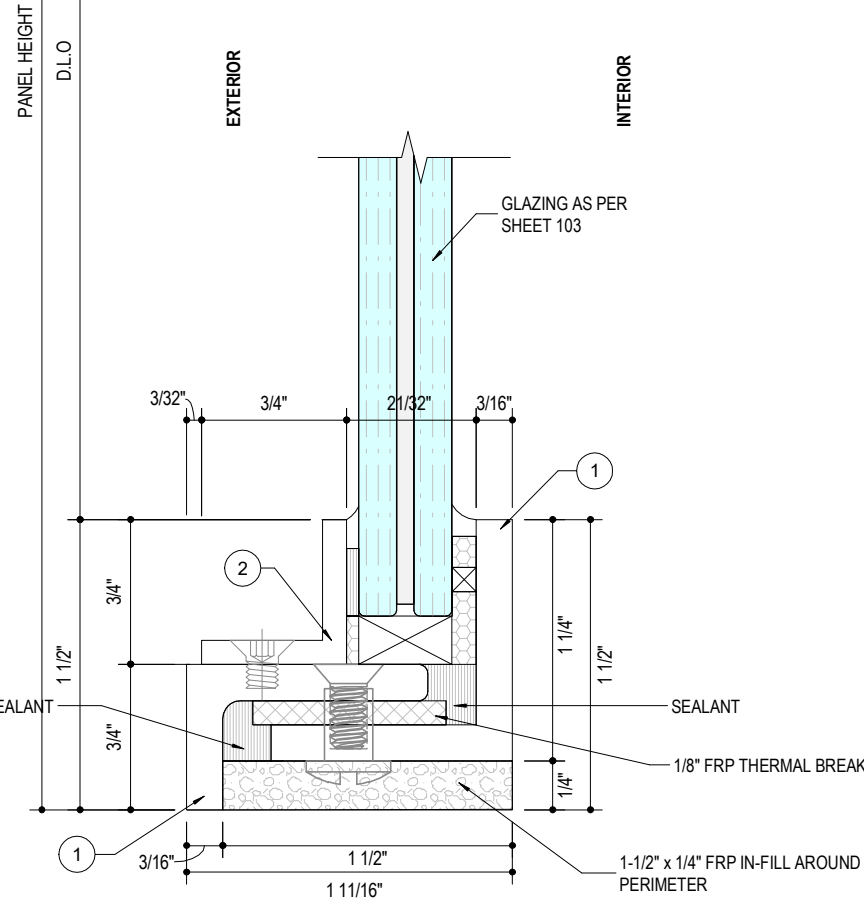
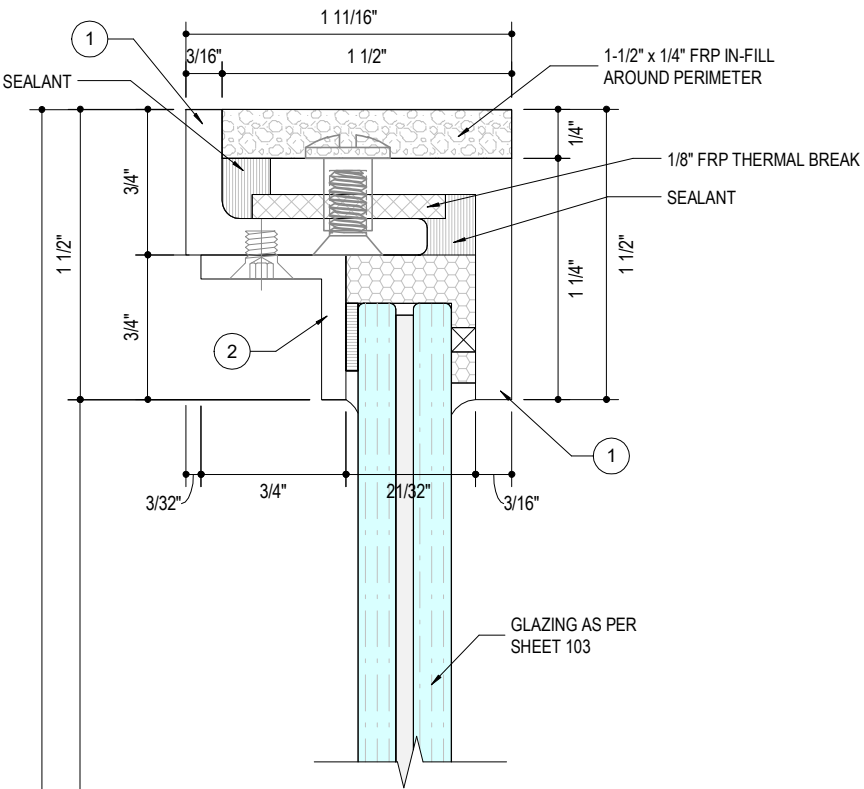
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CIVIL FLA. PE # 70592 - C.A.N.34254



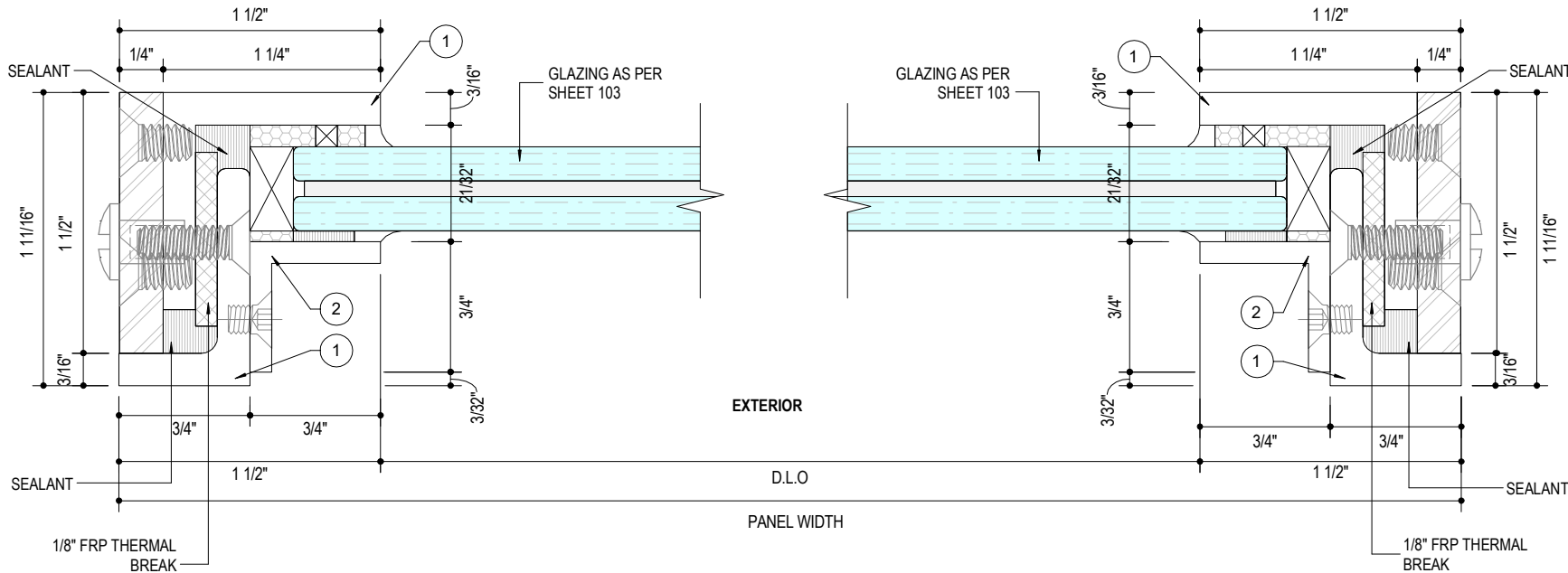
SEALED: 02-14-2025

PANEL SECTIONAL DETAILS - THERMALLY BROKEN

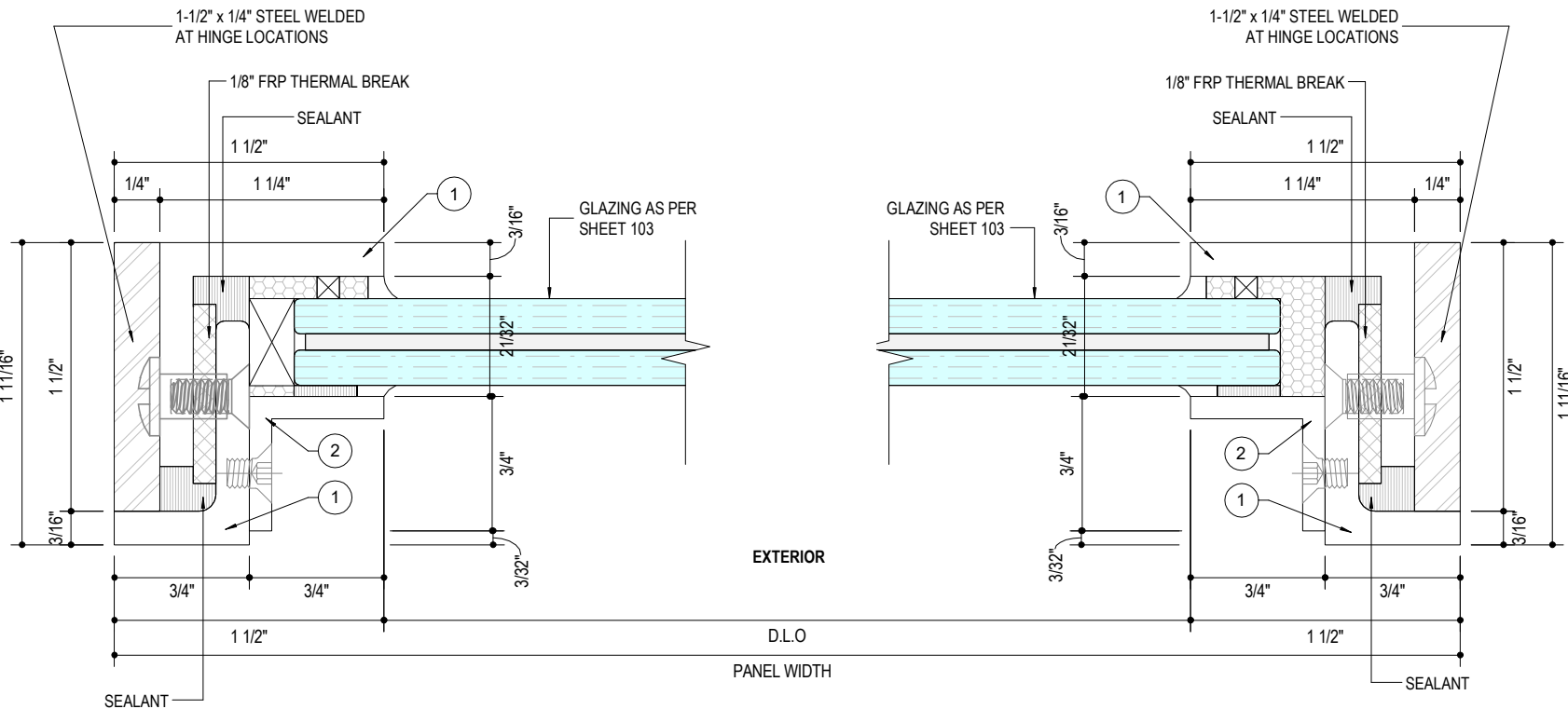
FL# 47349.1



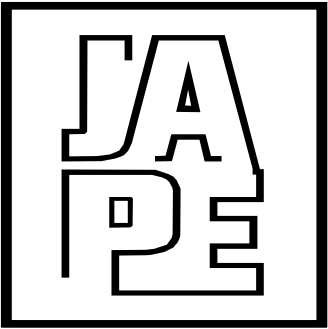
1
104 FOLD & SLIDE PANEL SILL AND HEAD DETAIL (D8A/D8B/D8C)-OUTSWING
NOT TO SCALE



2
104 FOLD & SLIDE PANEL JAMB DETAIL (D8B/D8C)-OUTSWING
NOT TO SCALE



3
104 FOLD & SLIDE PANEL SS HINGE LOCATION DETAIL (D8A)-OUTSWING
NOT TO SCALE



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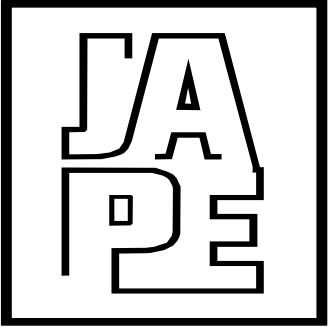
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SECTIONAL DETAILS - THERMALLY BROKEN

FL# 47349.1



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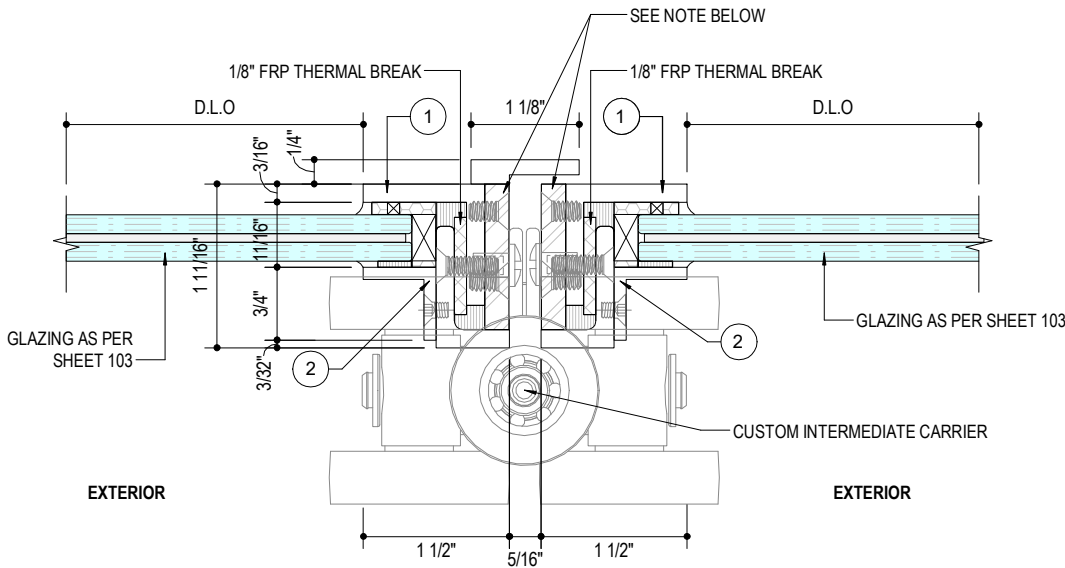
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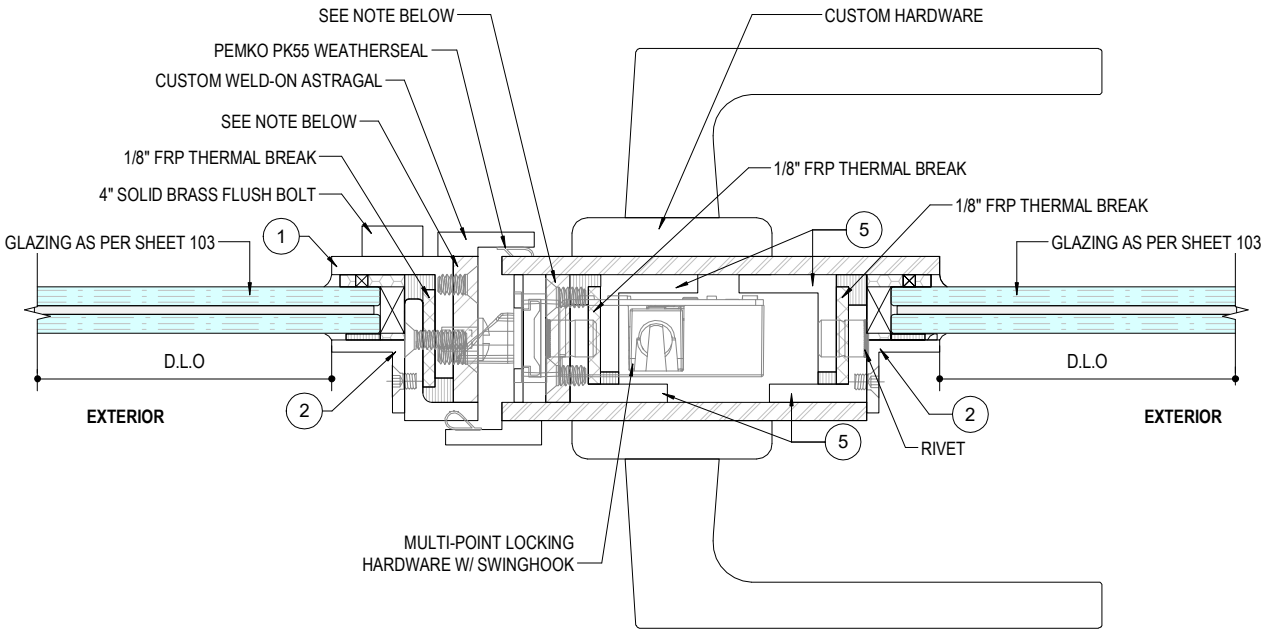
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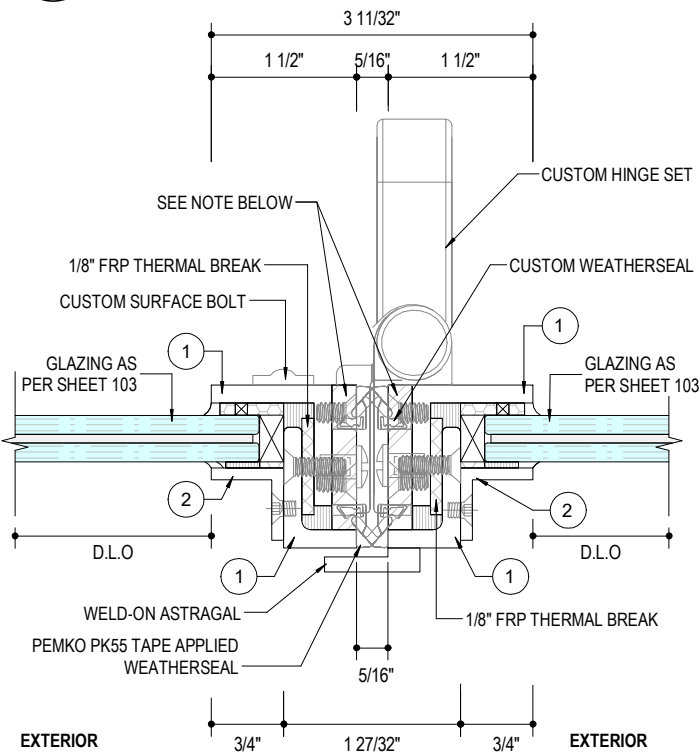


NOTE:
• 1/4" x 1-1/2" CARBON VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• SCREWS OPTIONAL AT GLASS STOP.



NOTE:
• 1/4" x 1-1/2" CARBON VERTICAL STEEL SUPPORTS WILL ONLY BE REQUIRED FOR BRONZE AND ALUMINUM PROFILE.
• SCREWS OPTIONAL AT GLASS STOP.

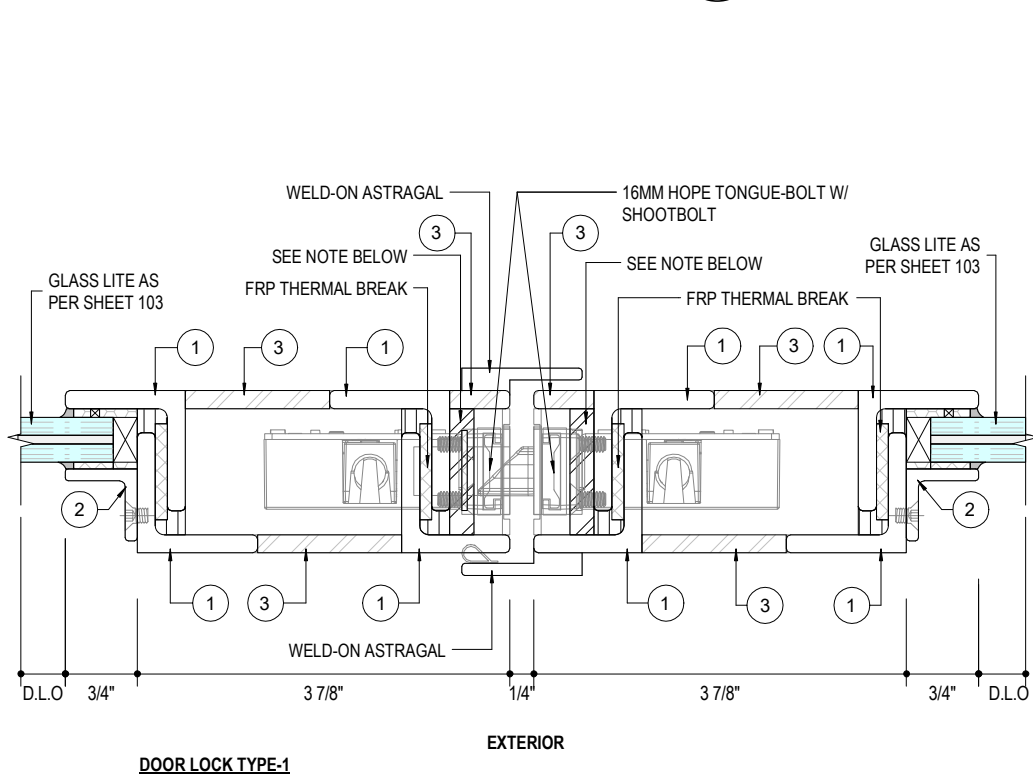
1
105 FOLD & SLIDE INTERMEDIATE CARRIER-OUTSWING
NOT TO SCALE



NOTE:
• 1/4" x 1-1/2" CARBON VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• SCREWS OPTIONAL AT GLASS STOP.

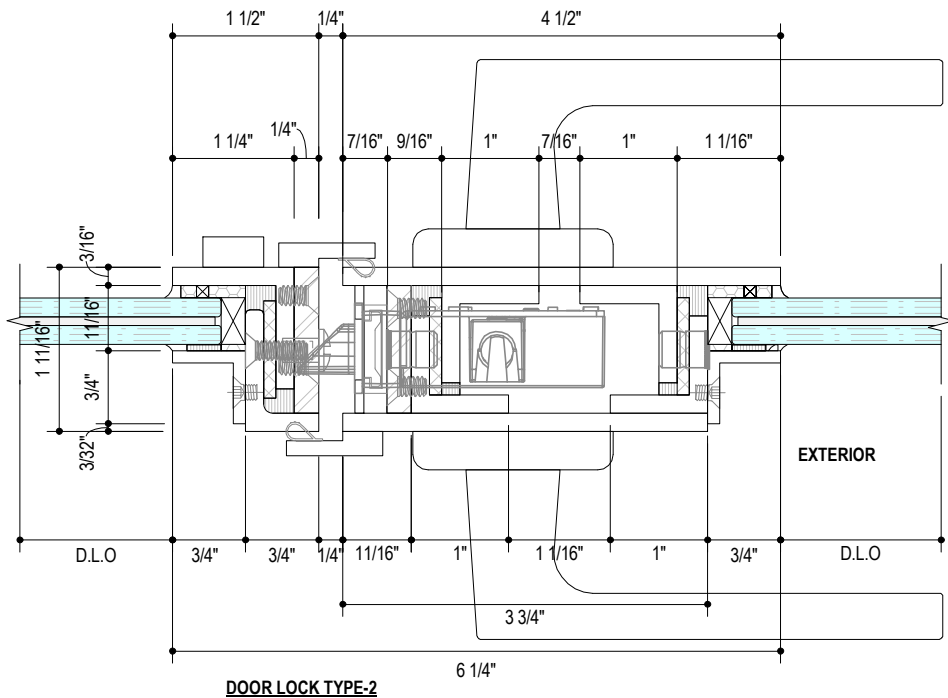
3
105 FOLD & SLIDE HINGE DETAIL @ INT. HANDLE-OUTSWING
NOT TO SCALE

2
105 FOLD & SLIDE MEETING STILE DETAIL-OUTSWING
NOT TO SCALE



NOTE:
• VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• SCREWS OPTIONAL AT GLASS STOP.

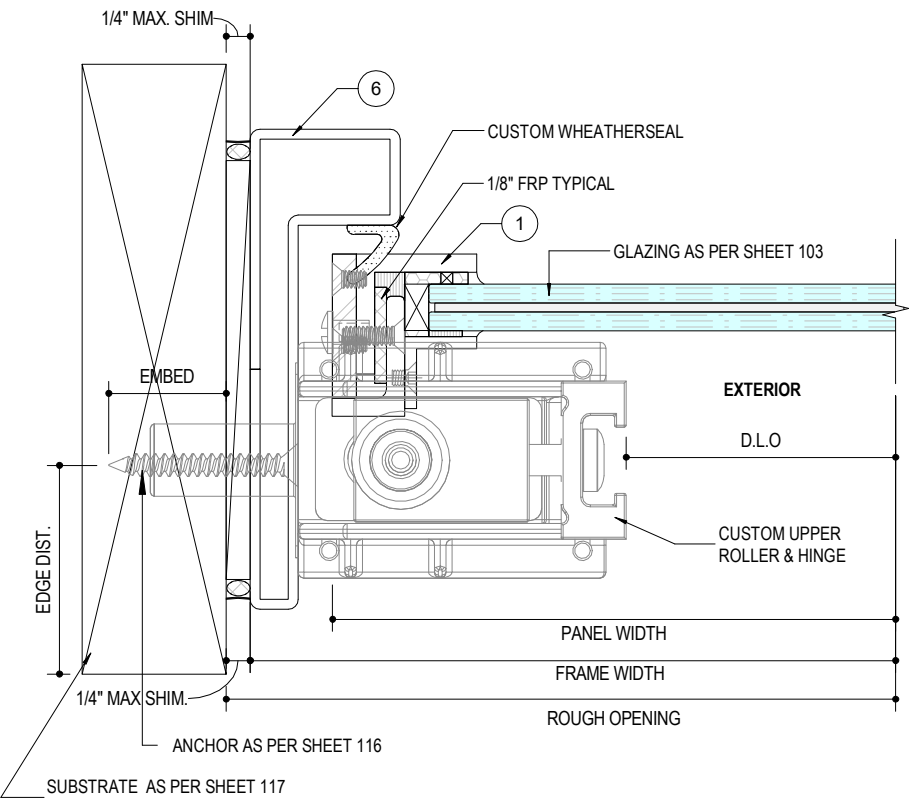
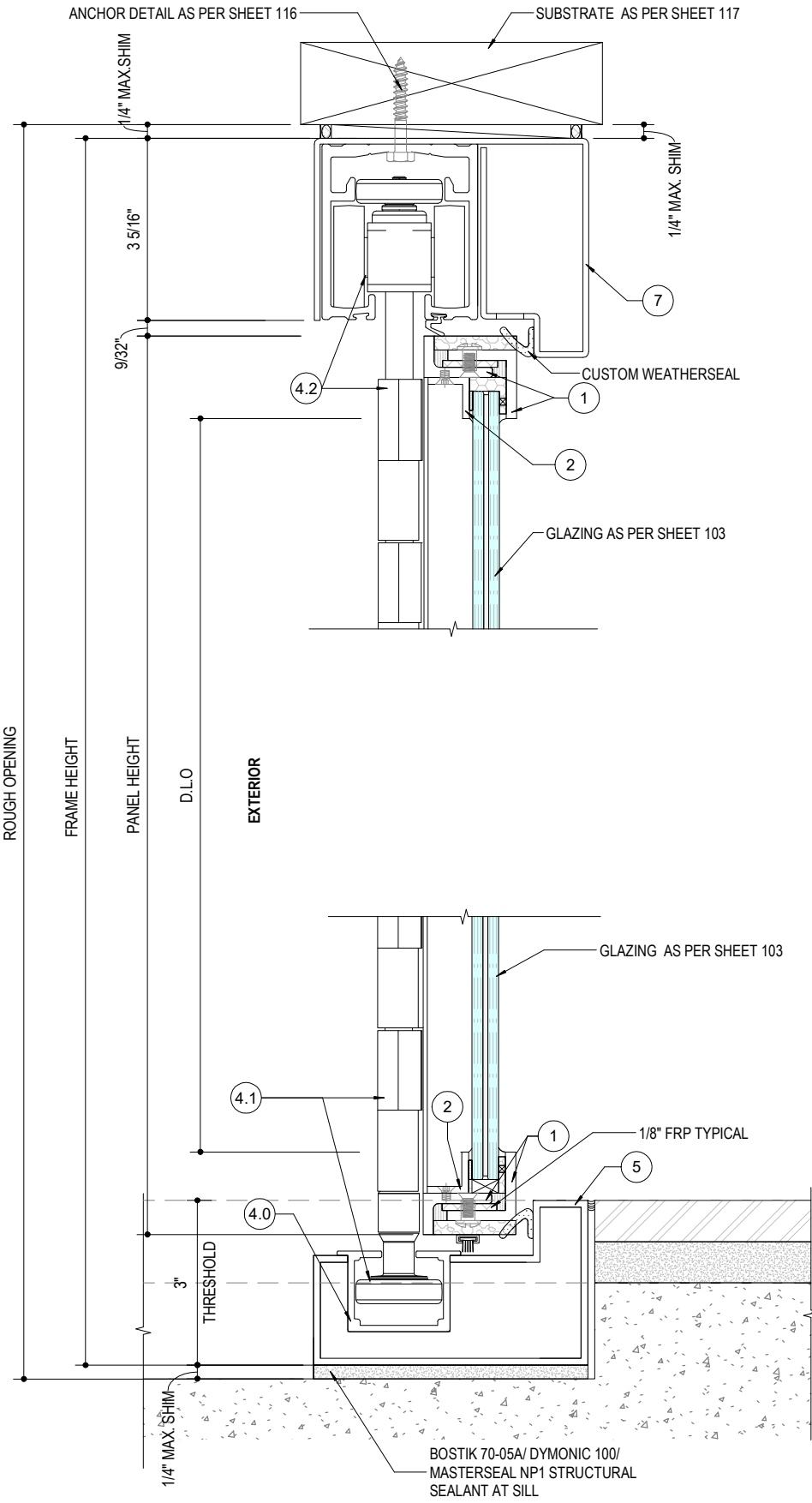
4
105 THERMALLY BROKEN - OUTSWING DOOR LOCK BOX DETAIL
NOT TO SCALE



NOTE:
• SCREWS OPTIONAL AT GLASS STOP.

SECTIONAL DETAILS - THERMALLY BROKEN

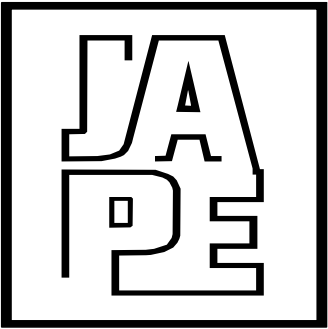
FL# 47349.1



2 FOLD & SLIDE JAMB DETAIL-OUTSWING
106 NOT TO SCALE

1 FRAME HEAD AND SILL DETAIL-OUTSWING
106 NOT TO SCALE

NOTE:
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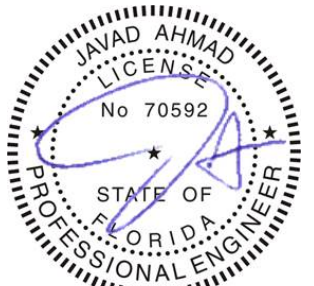
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Check by: AI

Drawing no. JA-1582-23

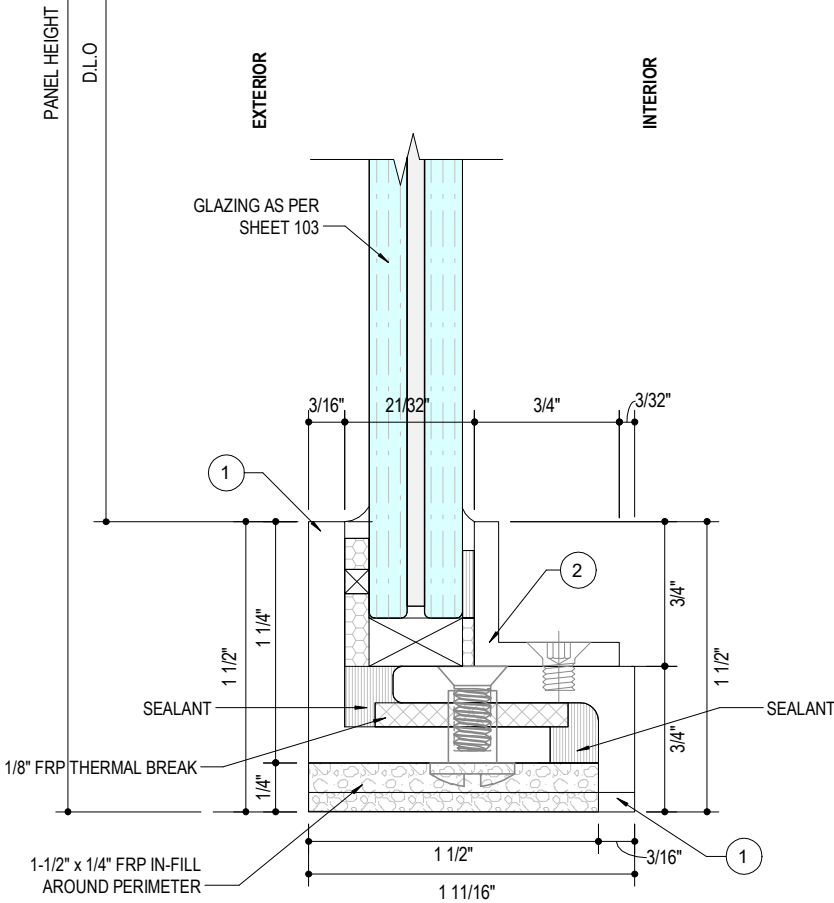
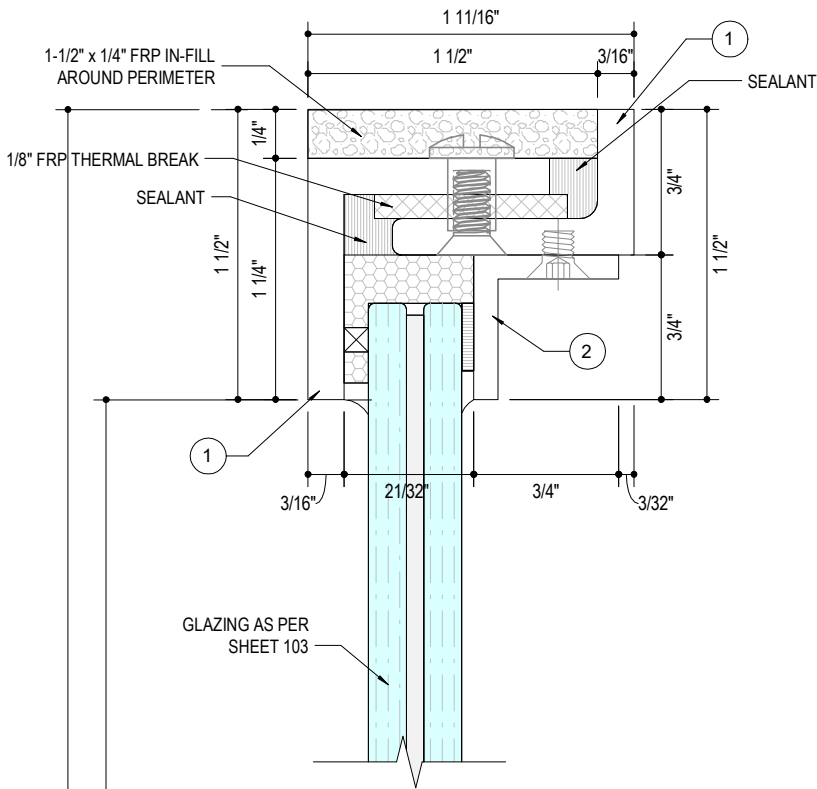
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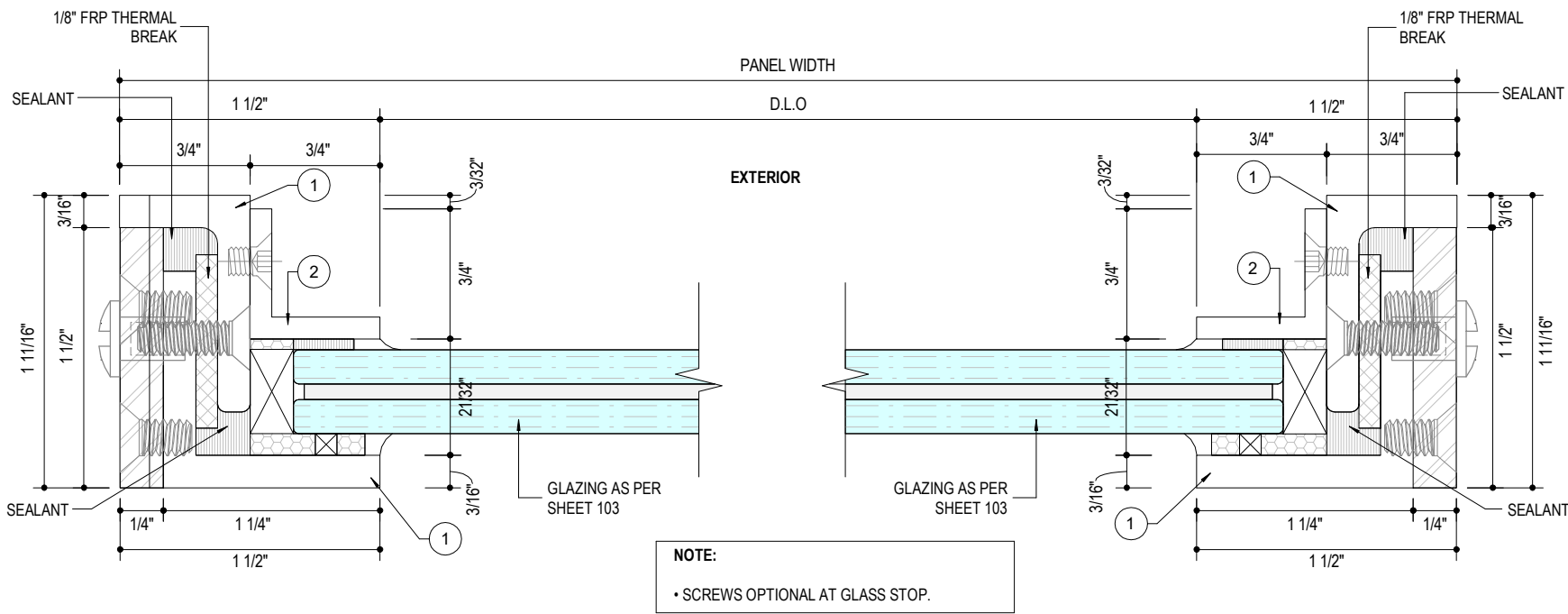
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PANEL SECTIONAL DETAILS - THERMALLY BROKEN

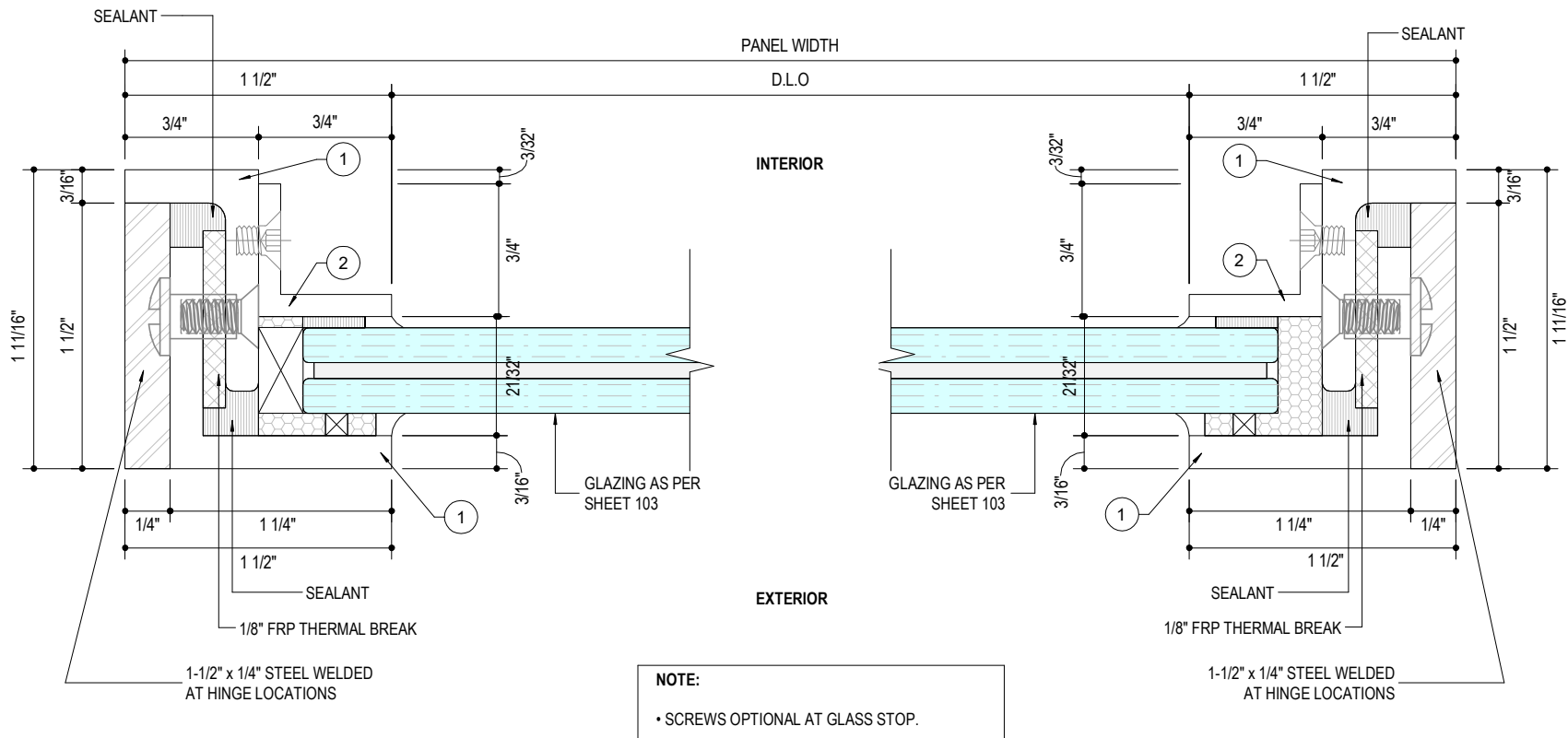
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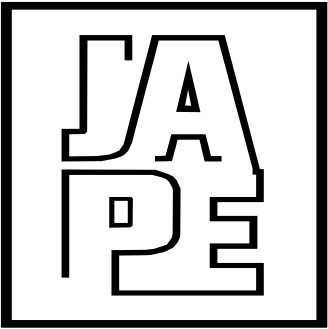
1
107 FOLD & SLIDE PANEL SILL AND HEAD DETAIL (D8A/D8B/D8C)-INSWING
NOT TO SCALE



2
107 FOLD & SLIDE PANEL JAMB DETAIL (D8B/D8C) INSWING
NOT TO SCALE



3
107 FOLD & SLIDE PANEL SS HINGE LOCATION DETAIL (D8A)-INSWING
NOT TO SCALE



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ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

FOLD & SLIDE DOOR SYSTEM

CLIENT :

AMERICAN STEEL
MANUFACTURING, LLC

280 W. HILLSBORO BLVD /
DEERFIELD BEACH, FL 33441

REVISION

No.	DATE	BY	DESCRIPTION

Date: 02-14-2025

Scale: N/A

Drawn by: SA

Check by: AI

Drawing no. JA-1582-23

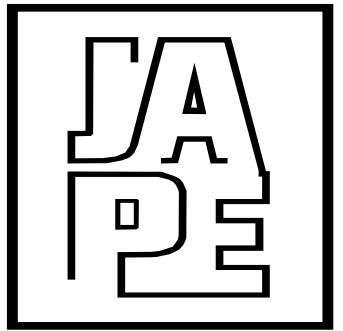
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



SEALED: 02-14-2025

SECTIONAL DETAILS - THERMALLY BROKEN

FL# 47349.1



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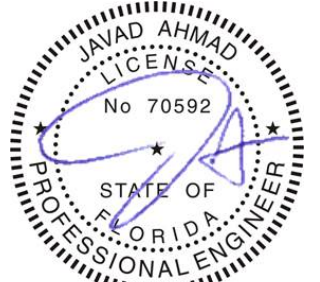
CLIENT :

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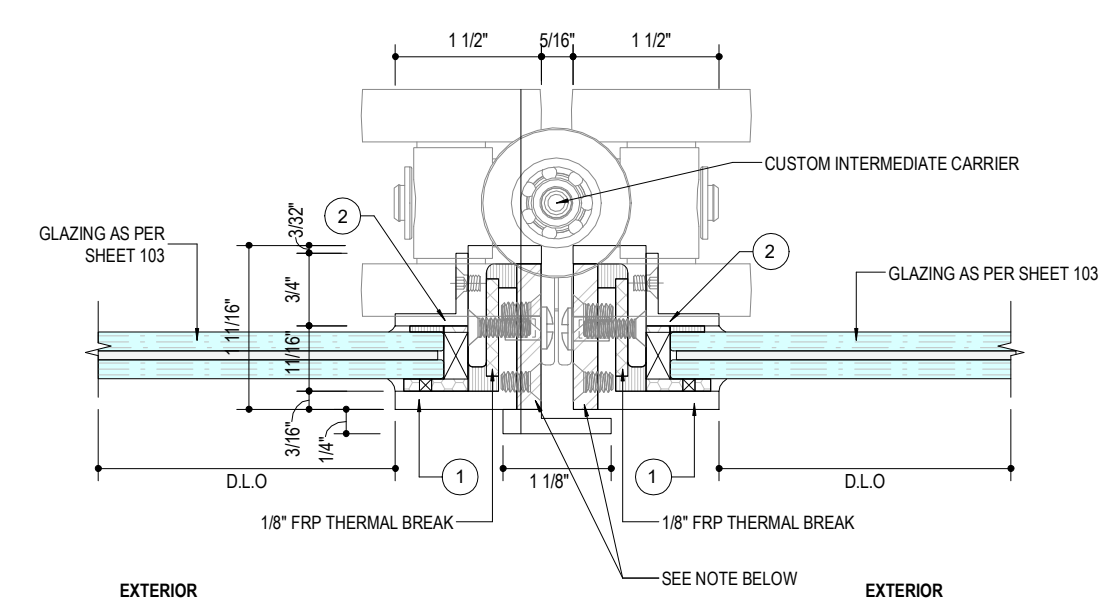
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



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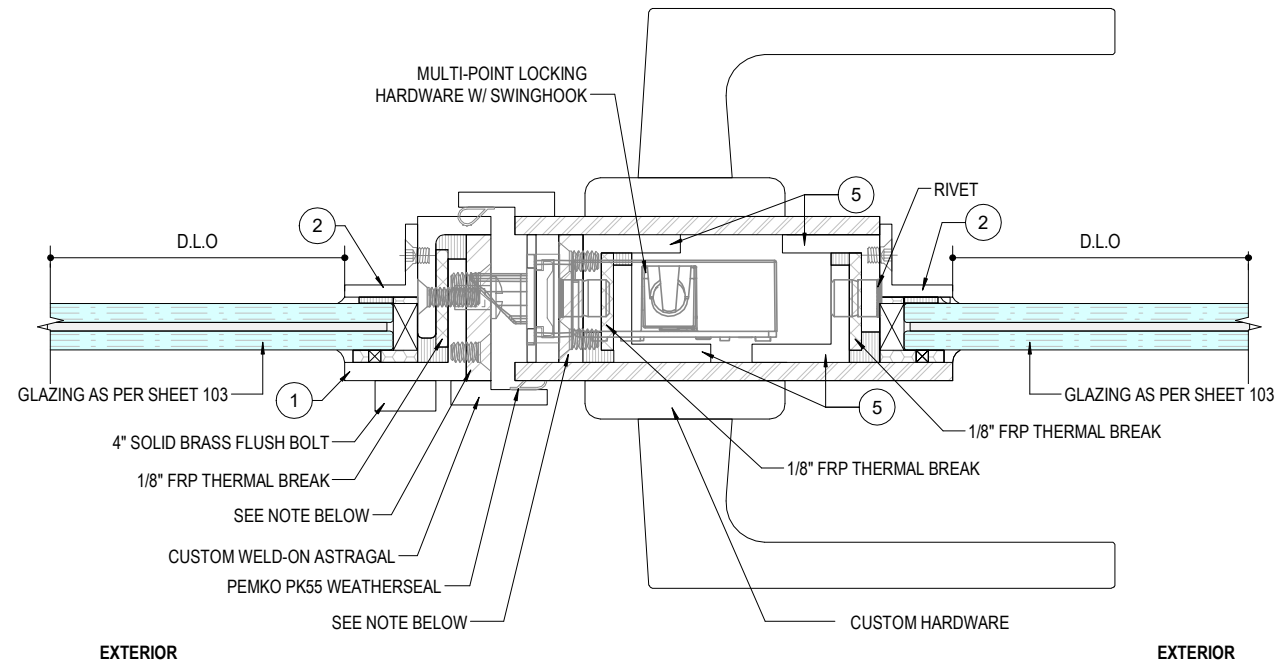
108

OF 119



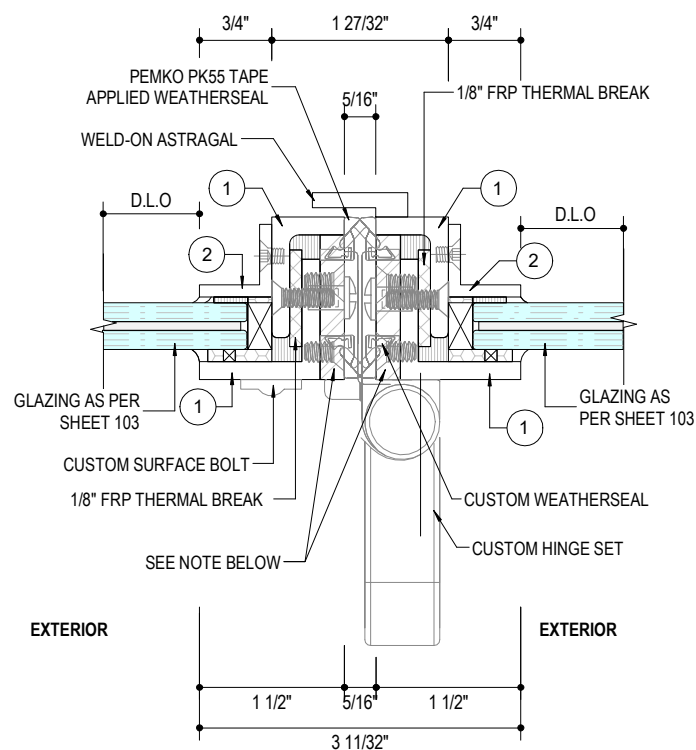
NOTE:

- 1/4" x 1-1/2" CARBON VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
- SCREWS OPTIONAL AT GLASS STOP



NOTE:

- 1/4" x 1-1/2" CARBON VERTICAL STEEL SUPPORTS WILL ONLY BE REQUIRED FOR BRONZE AND ALUMINUM PROFILE.
- SCREWS OPTIONAL AT GLASS STOP.

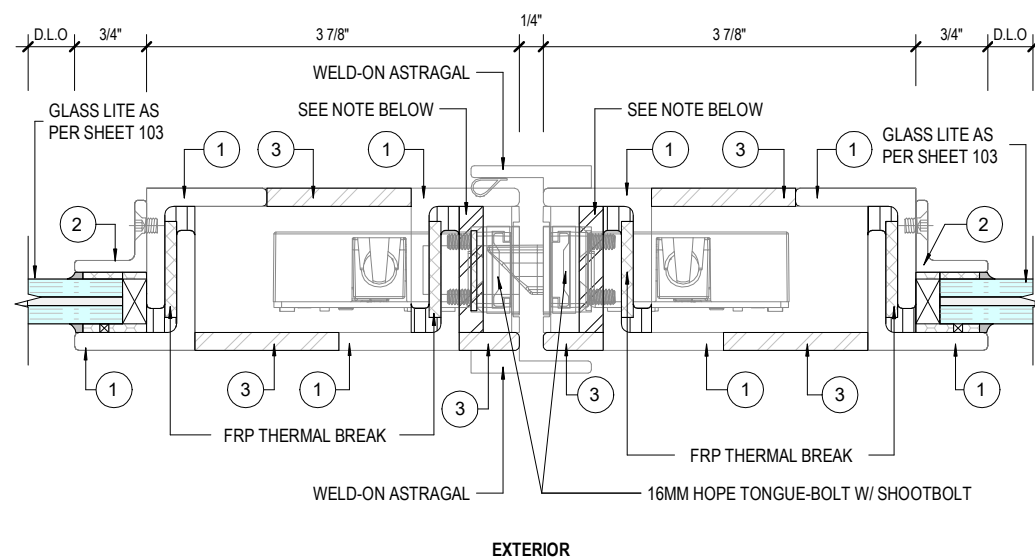


EXTERIOR

EXTERIOR

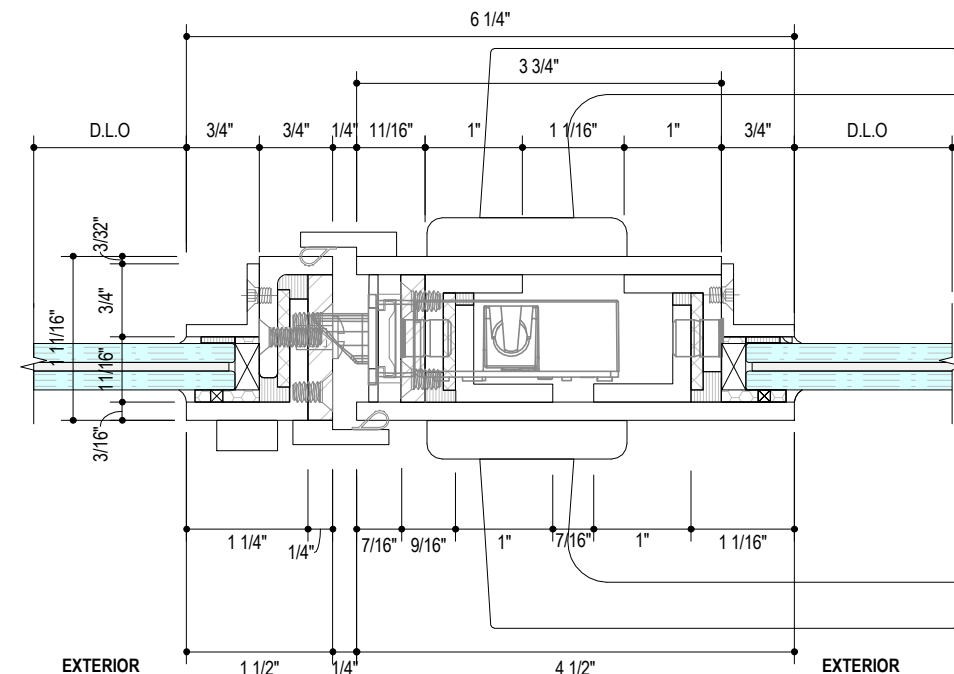
NOTE:

- NOTE:
- 1/4" x 1-1/2" CARBON VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
 - SCREWS OPTIONAL AT GLASS STOP.



EXTERIOR

DOOR LOCK TYPE-1



EXTERIOR

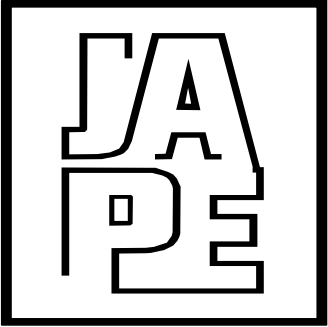
DOOR LOCK TYPE-2

NOTE:

- NOTE:
- VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
 - SCREWS OPTIONAL AT GLASS STOP.

SECTIONAL DETAILS - THERMALLY BROKEN

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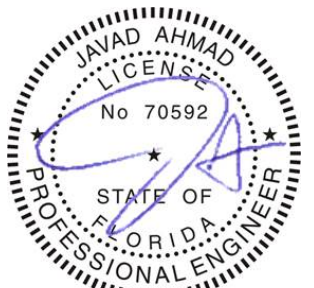
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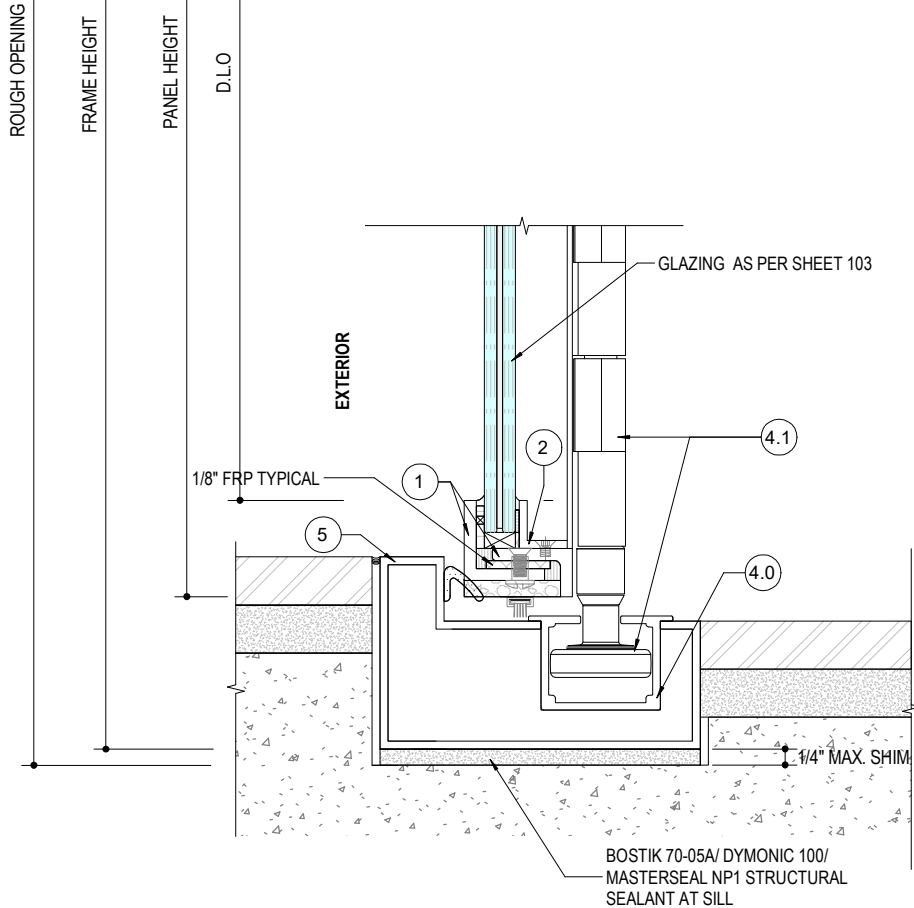
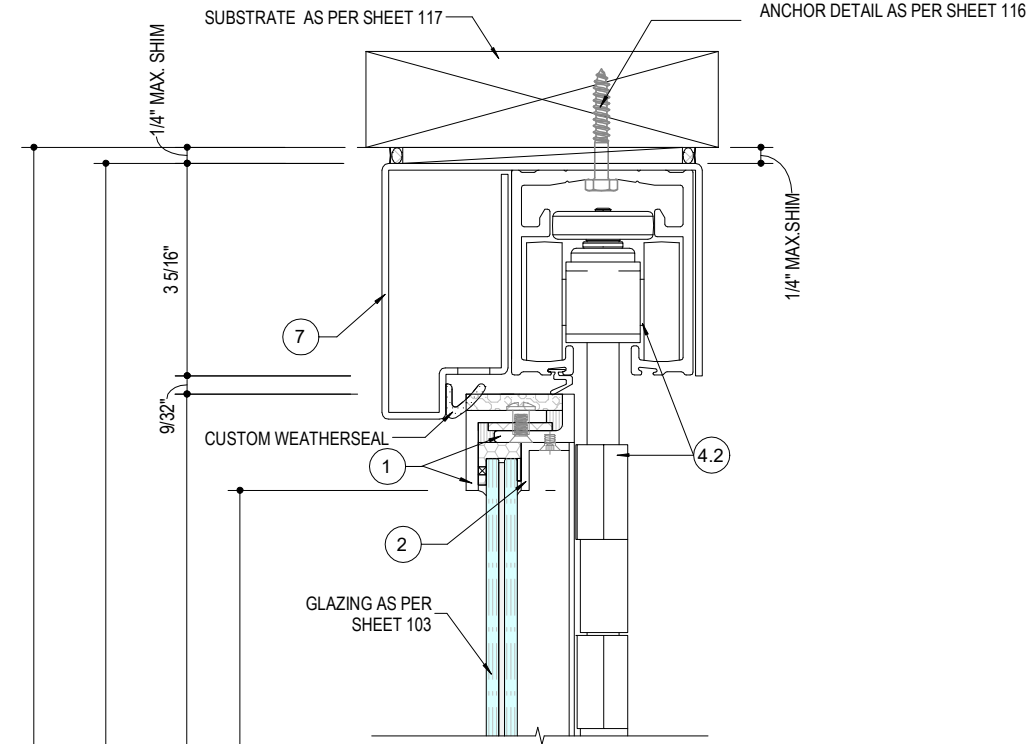
Check by: AI

Drawing no. JA-1582-23

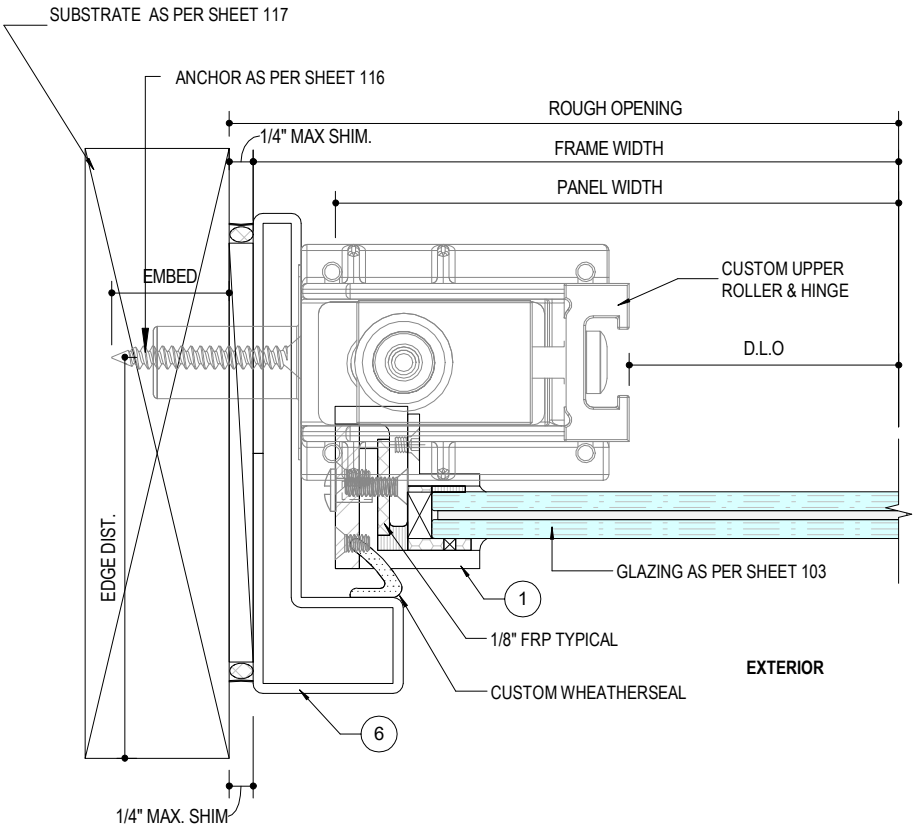
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1
109
FRAME HEAD AND SILL DETAIL-INSWING
NOT TO SCALE

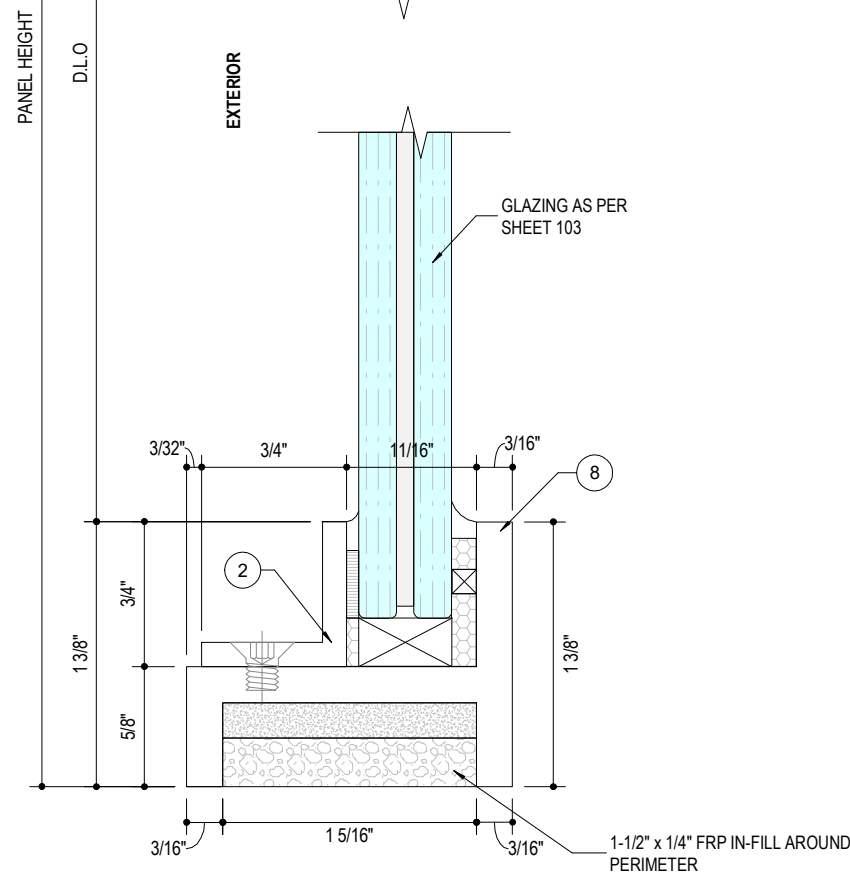
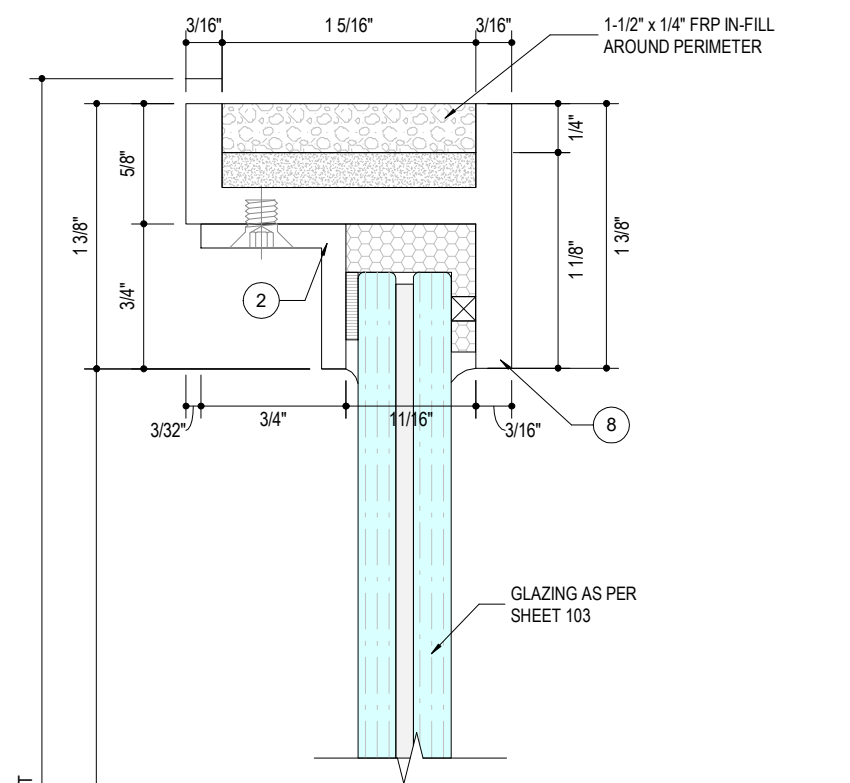


2
109
FOLD & SLIDE JAMB DETAIL-INSWING
NOT TO SCALE

NOTE:
• SCREWS OPTIONAL AT GLASS STOP.

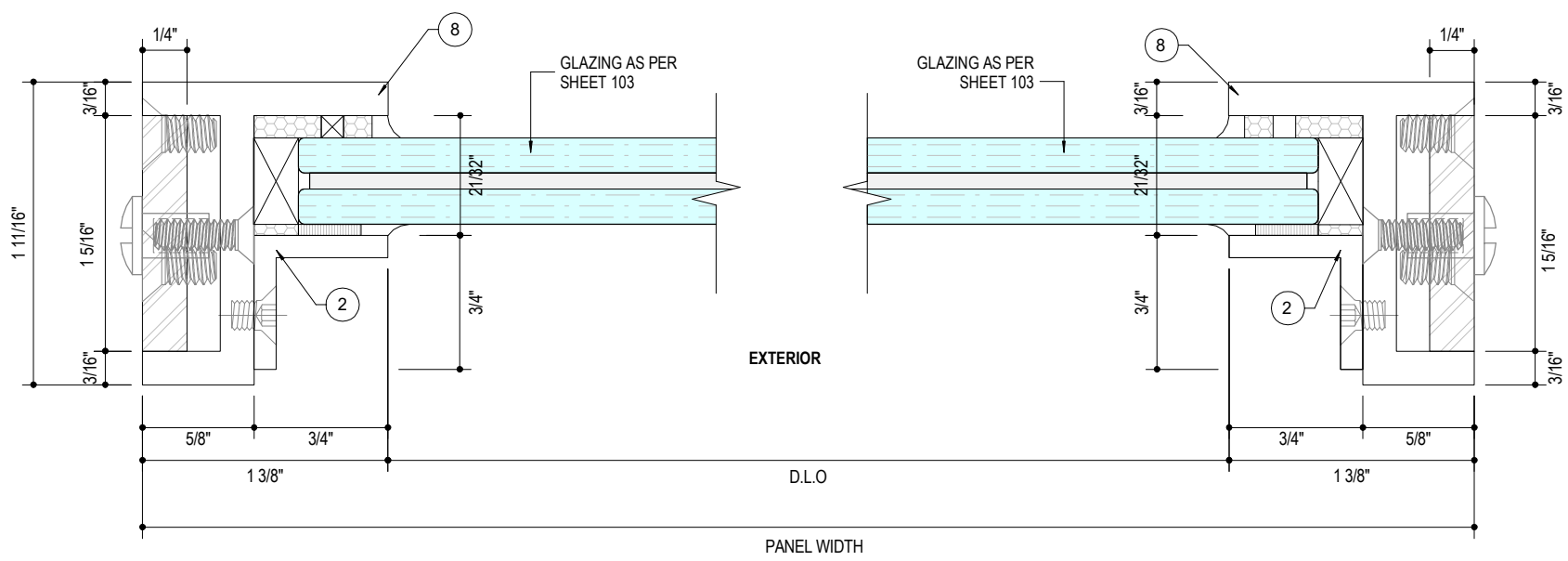
PANEL SECTIONAL DETAILS - NON-THERMALLY BROKEN

FL# 47349.1



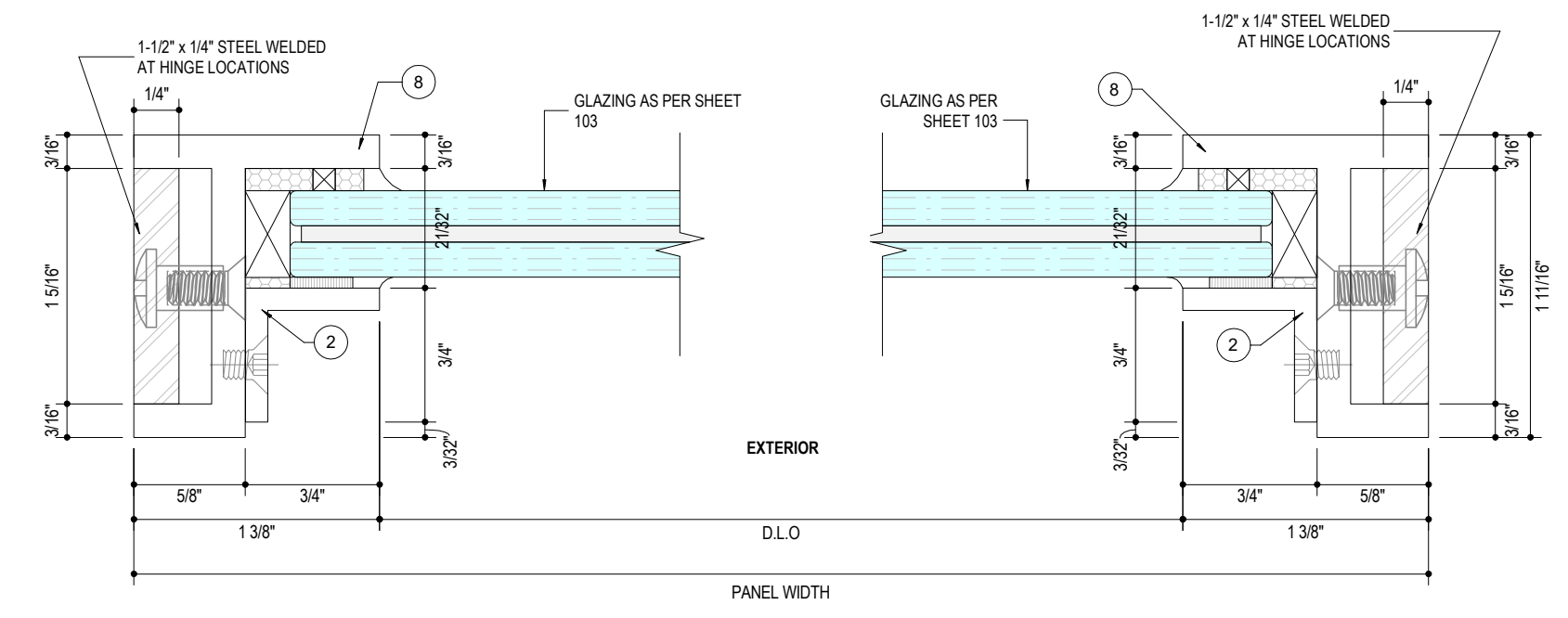
NOTE:
• SCREWS OPTIONAL AT GLASS STOP.

1 FOLD & SLIDE PANEL SILL AND HEAD DETAIL NON-THERMALLY (D8A/D8B/D8C)-OUTSWING
110 NOT TO SCALE



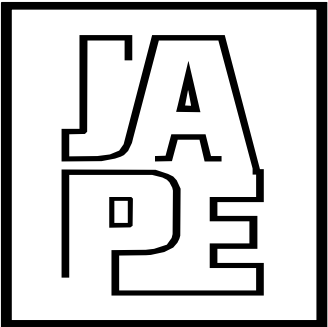
NOTE:
• SCREWS OPTIONAL AT GLASS STOP.

2 FOLD & SLIDE PANEL JAMB DETAIL NON-THERMALLY (D8B/D8C)-OUTSWING
110 NOT TO SCALE



NOTE:
• SCREWS OPTIONAL AT GLASS STOP.

3 FOLD & SLIDE PANEL SS HINGE LOCATION DETAIL NON-THERMALLY (D8A)-OUTSWING
110 NOT TO SCALE



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Check by: AI

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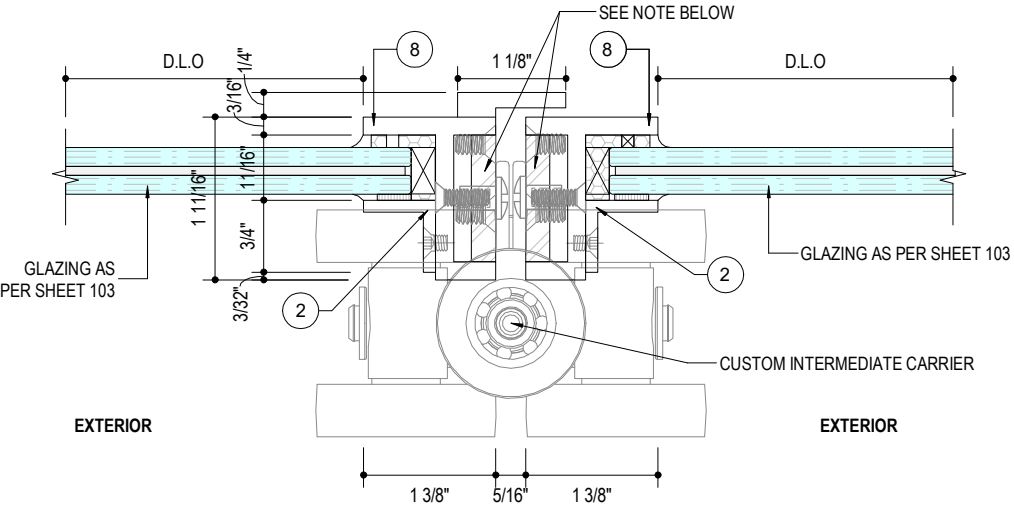
Eng: JAVAD AHMAD, PE
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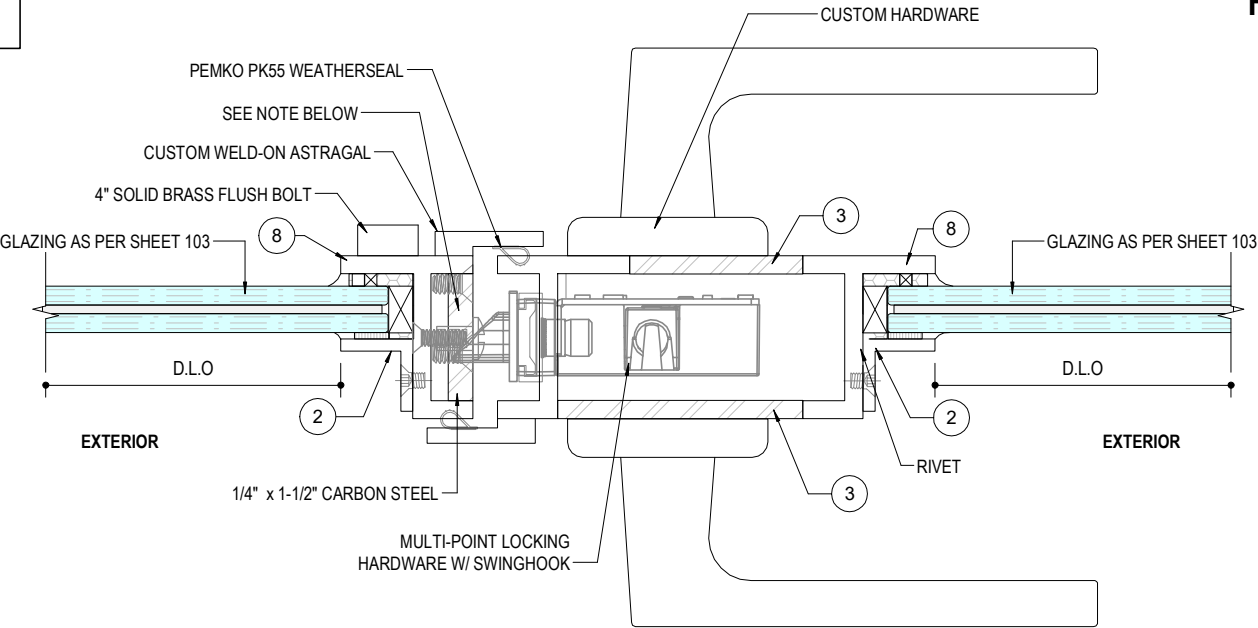
SEALED: 02-14-2025

SECTIONAL DETAILS - NON-THERMALLY BROKEN

FL# 47349.1



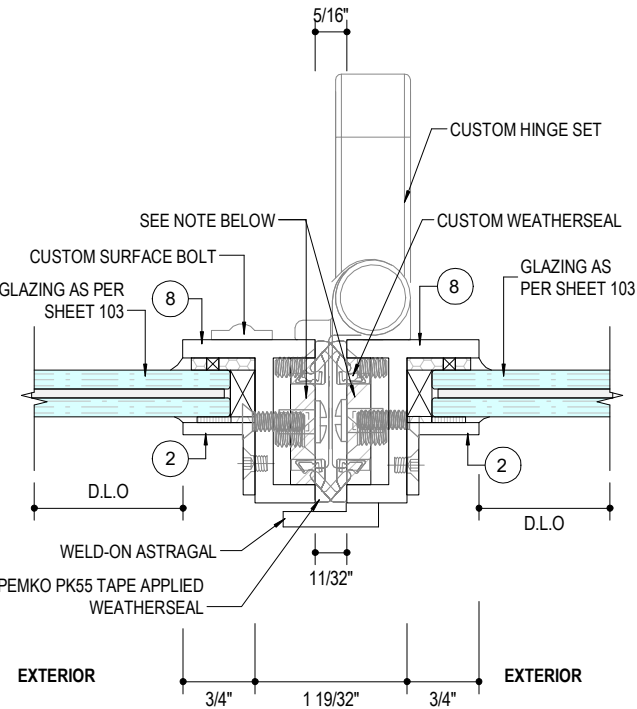
NOTE:
• 1/4" x 1-1/2" CARBON VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• SCREWS OPTIONAL AT GLASS STOP.



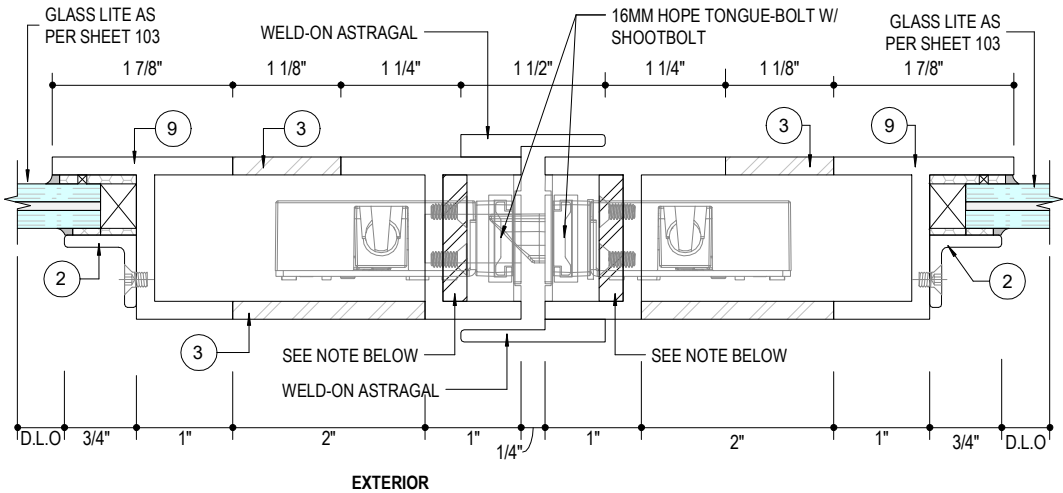
NOTE:
• 1/4" x 1-1/2" CARBON VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• SCREWS OPTIONAL AT GLASS STOP.

1 FOLD & SLIDE INTERMEDIATE CARRIER NON-THERMALLY-OUTSWING
111 NOT TO SCALE

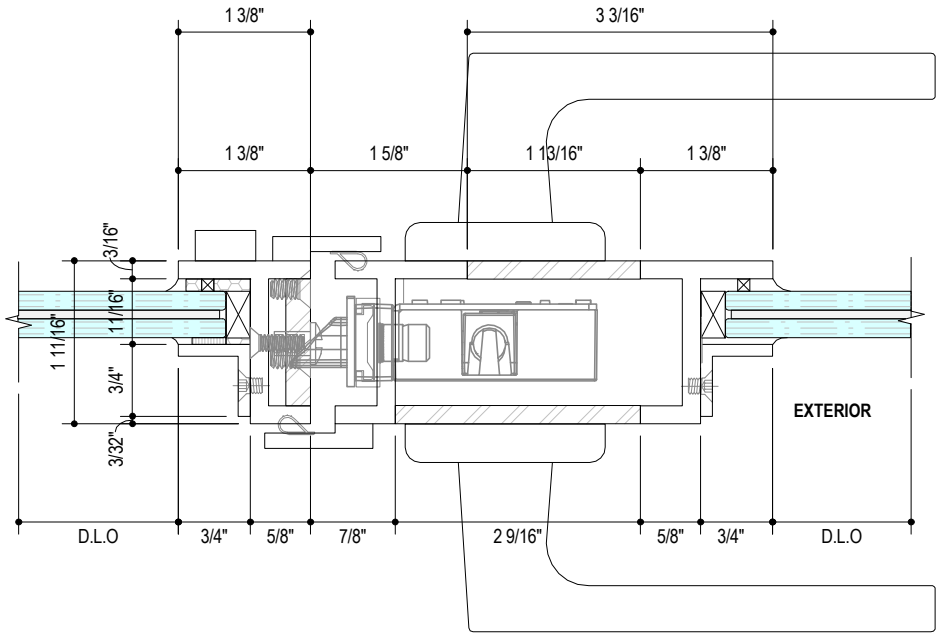
2 FOLD & SLIDE MEETING STILE DETAIL NON-THERMALLY-OUTSWING
111 NOT TO SCALE



NOTE:
• 1/4" x 1-1/2" CARBON VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• SCREWS OPTIONAL AT GLASS STOP.



DOOR LOCK TYPE-1

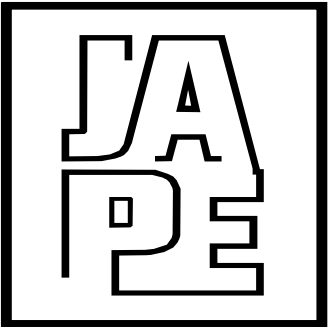


DOOR LOCK TYPE-2

NOTE:
• VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• SCREWS OPTIONAL AT GLASS STOP.

3 FOLD & SLIDE HINGE DETAIL @ INT. HANDLE NON-THERMALLY-OUTSWING
111 NOT TO SCALE

4 NON THERMALLY BROKEN - OUTSWING DOOR LOCK BOX DETAIL
111 NOT TO SCALE



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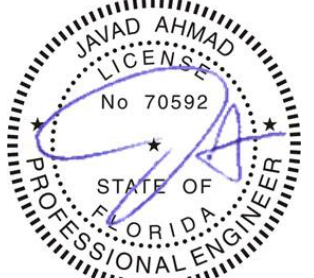
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Check by: AI

Drawing no. JA-1582-23

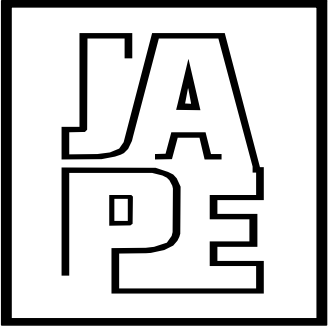
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SECTIONAL DETAILS - NON-THERMALLY BROKEN

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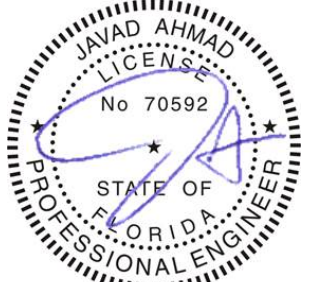
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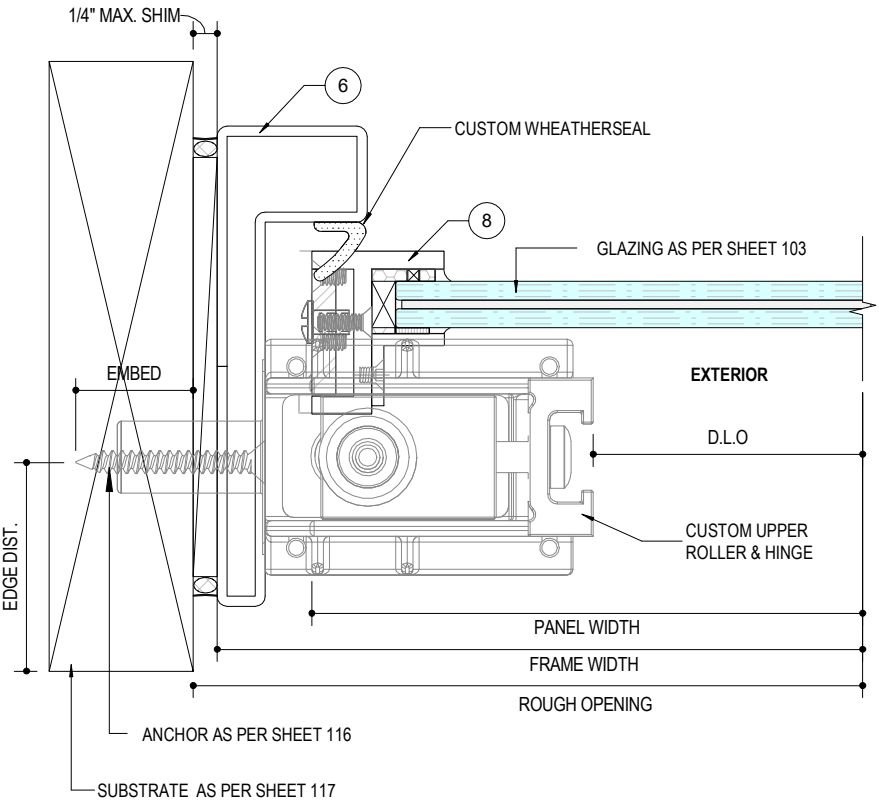
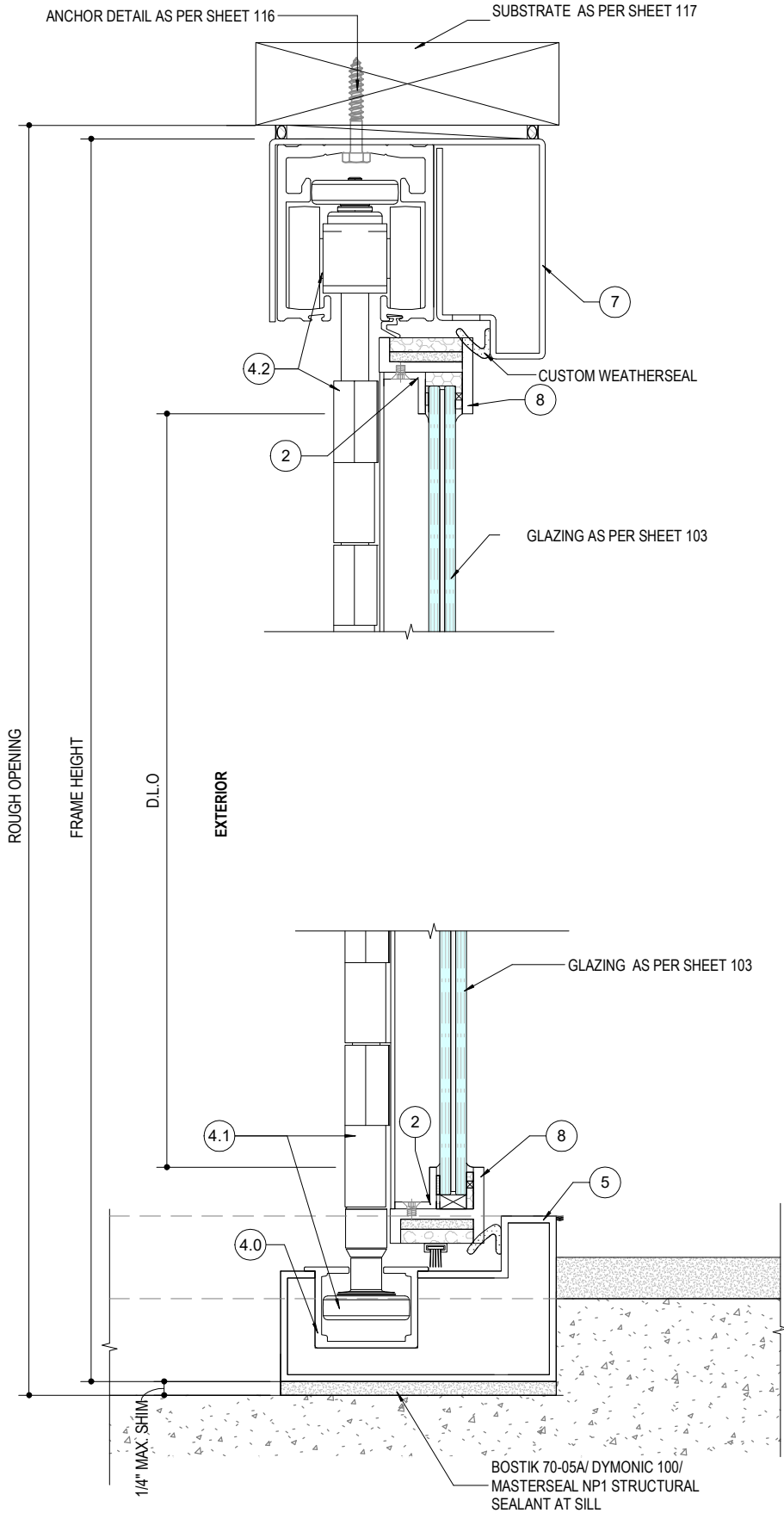
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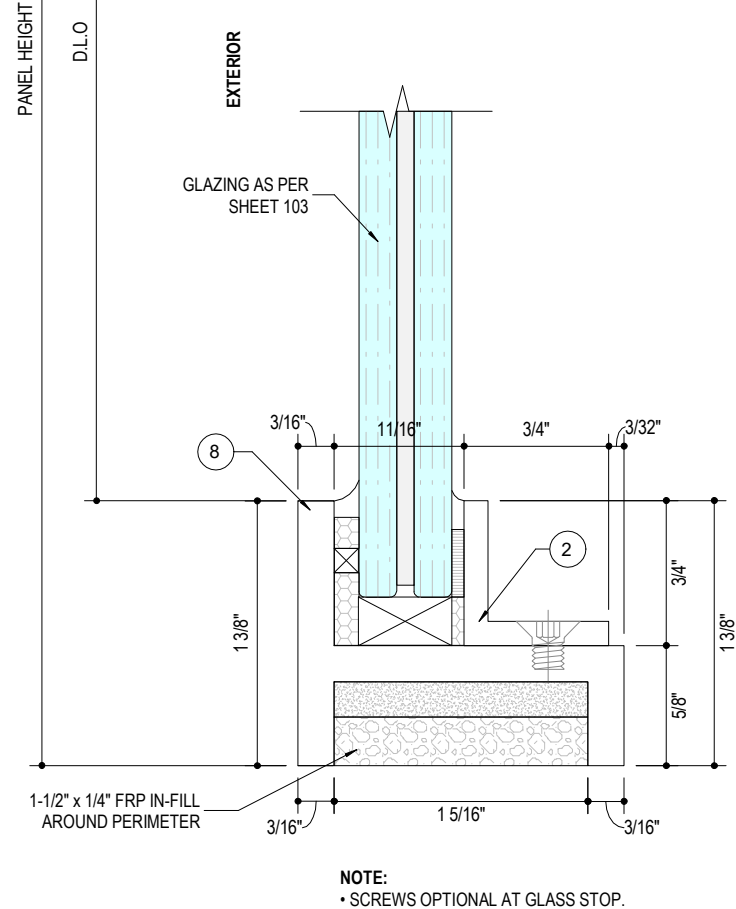
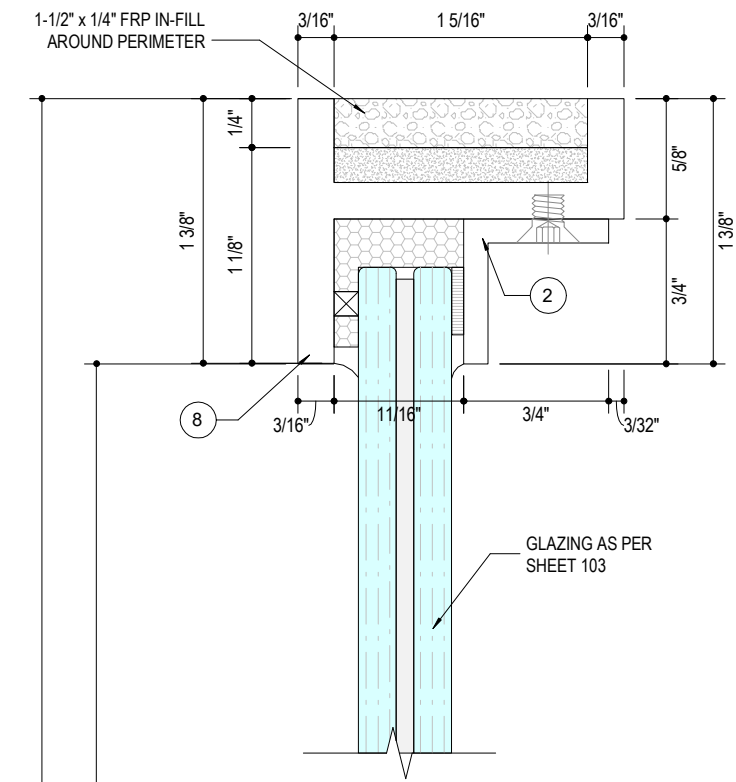
2 FOLD & SLIDE JAMB DETAIL NON-THERMALLY-OUTSWING
112 NOT TO SCALE

NOTE:
• SCREWS OPTIONAL AT GLASS STOP.

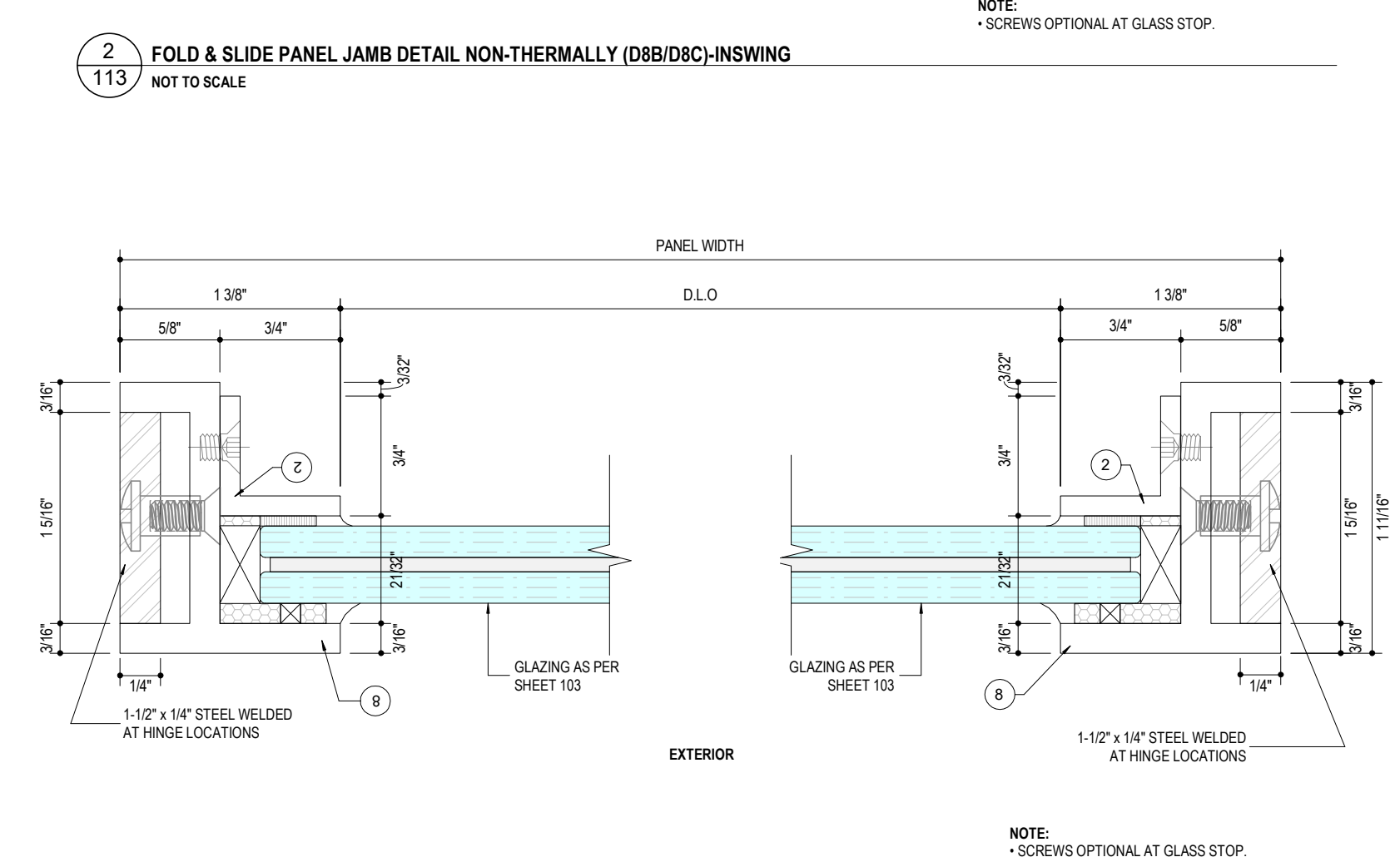
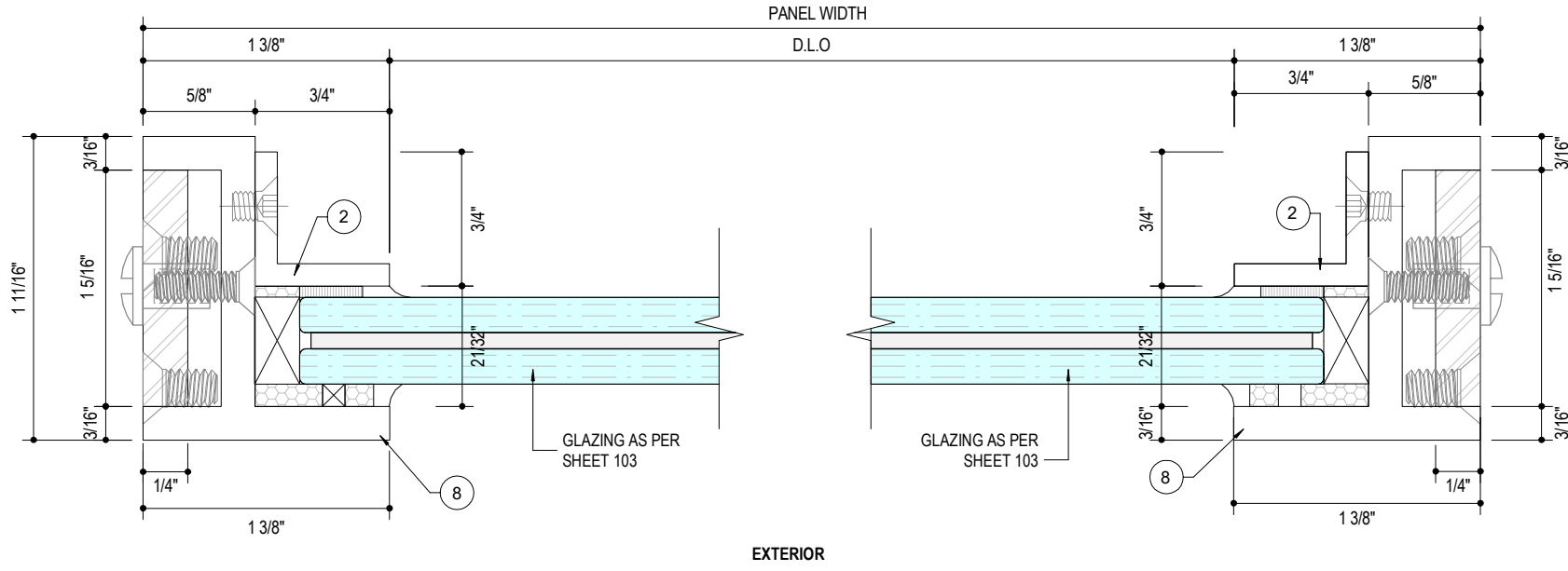
1 FRAME HEAD AND SILL DETAIL NON-THERMALLY-OUTSWING
112 NOT TO SCALE

PANEL SECTIONAL DETAILS - NON-THERMALLY BROKEN

FL# 47349.1



1 FOLD & SLIDE PANEL SILL AND HEAD DETAIL NON-THERMALLY (D8A/D8B/D8C)-INSWING
113 NOT TO SCALE

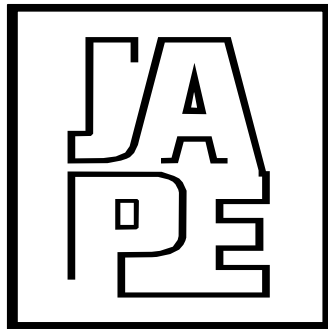


2 FOLD & SLIDE PANEL JAMB DETAIL NON-THERMALLY (D8B/D8C)-INSWING
113 NOT TO SCALE

3 FOLD & SLIDE PANEL SS HINGE LOCATION DETAIL NON-THERMALLY (D8A)-INSWING
113 NOT TO SCALE

NOTE:
• SCREWS OPTIONAL AT GLASS STOP.

NOTE:
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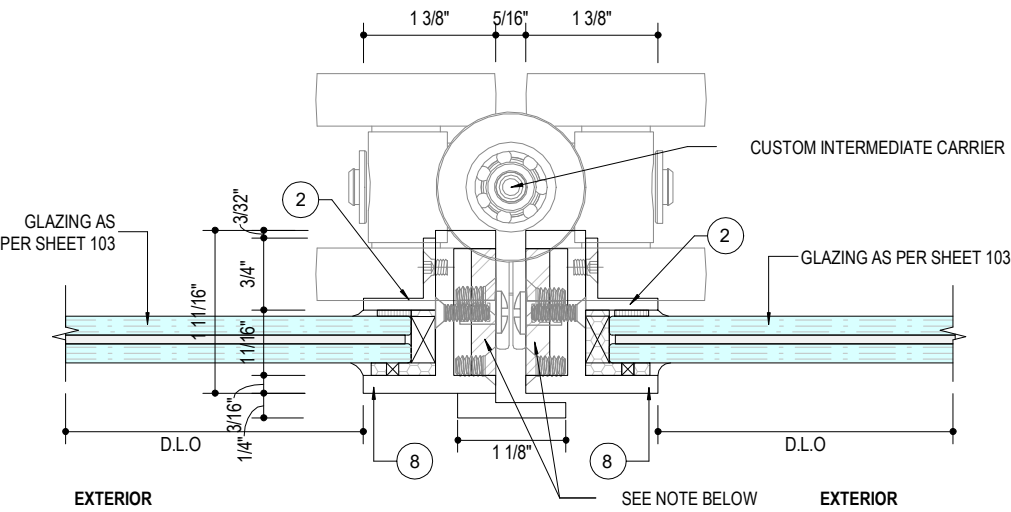
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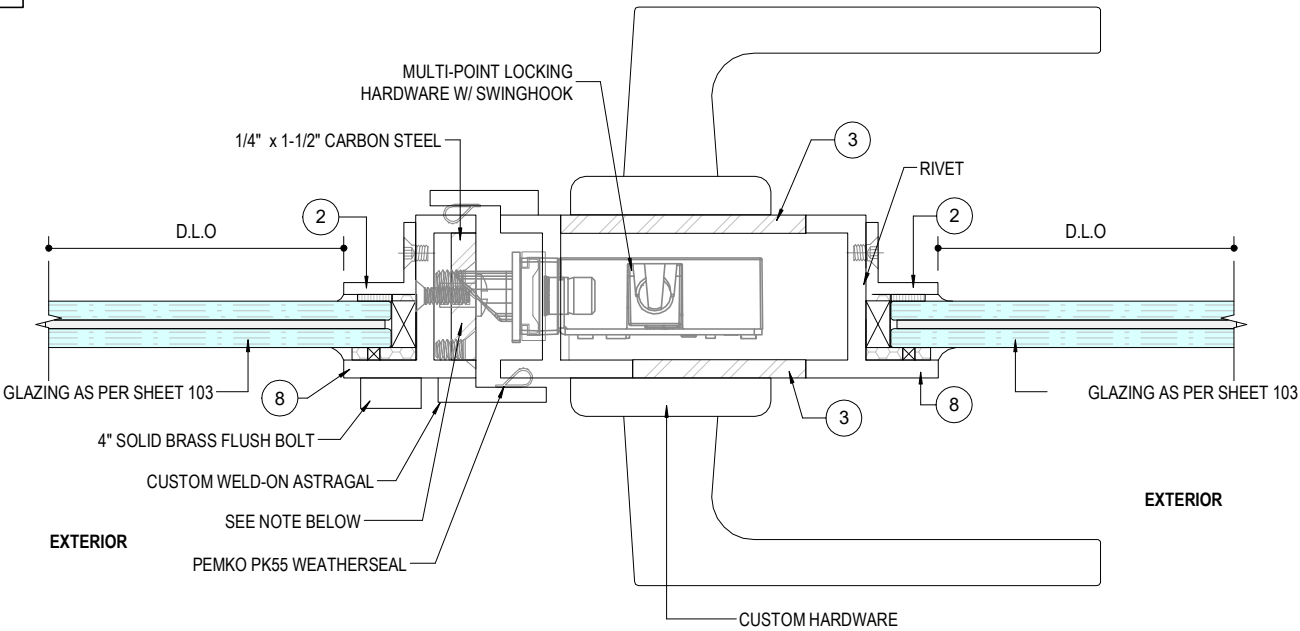
SECTIONAL DETAILS - NON-THERMALLY BROKEN

FL# 47349.1



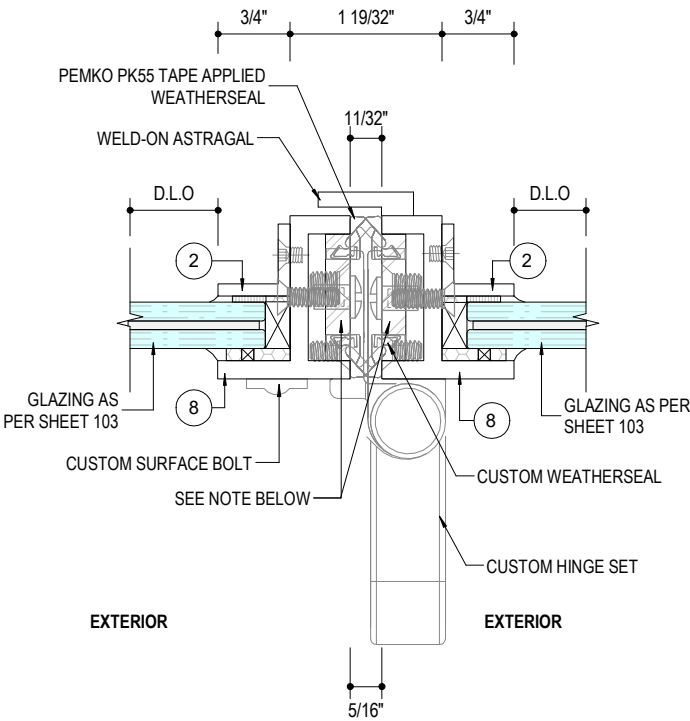
NOTE:
• 1/4" x 1-1/2" CARBON VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• SCREWS OPTIONAL AT GLASS STOP.

1
114 **FOLD & SLIDE INTERMEDIATE CARRIER NON-THERMALLY-INSWING**
NOT TO SCALE



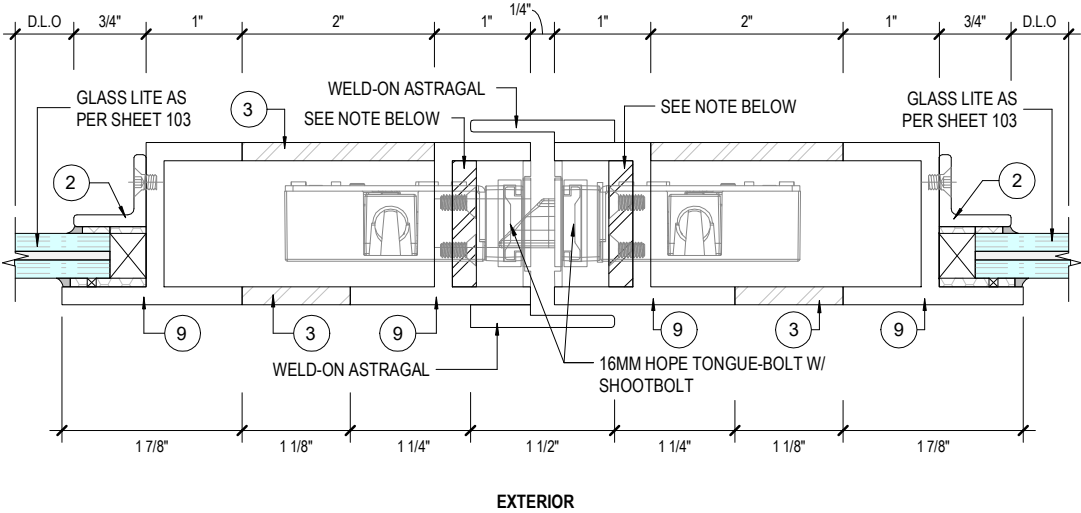
NOTE:
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• SCREWS OPTIONAL AT GLASS STOP.

2
114 **FOLD & SLIDE MEETING STILE DETAIL NON-THERMALLY-INSWING**
NOT TO SCALE



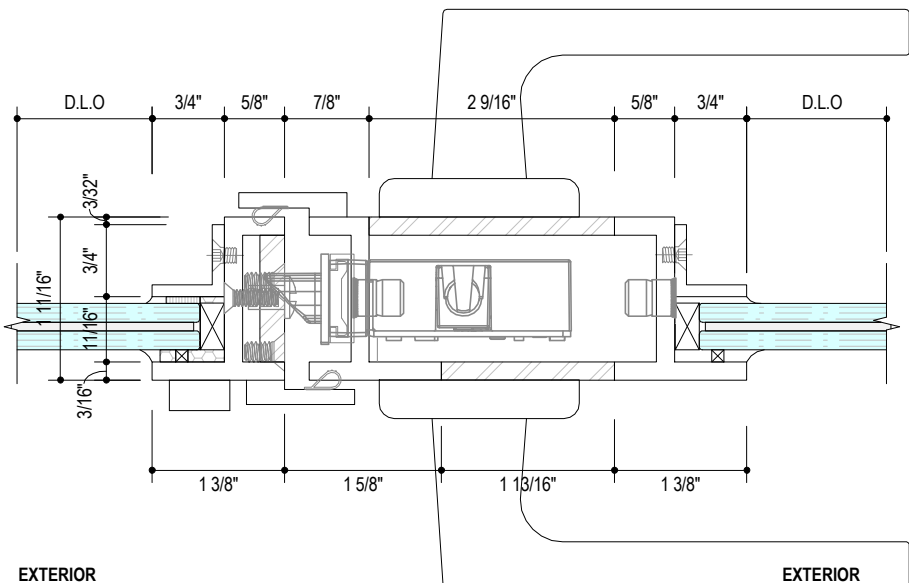
NOTE:
• 1/4" x 1-1/2" CARBON VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• SCREWS OPTIONAL AT GLASS STOP.

3
114 **FOLD & SLIDE HINGE DETAIL @ INT. HANDLE NON-THERMALLY-INSWING**
NOT TO SCALE



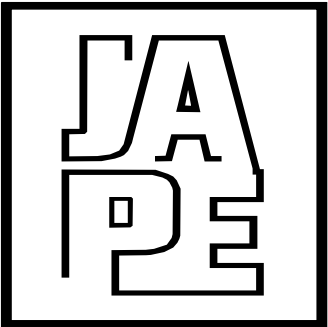
DOOR LOCK TYPE-1

4
114 **NON THERMALLY BROKEN - INSWING DOOR LOCK BOX DETAIL**
NOT TO SCALE



DOOR LOCK TYPE-2

NOTE:
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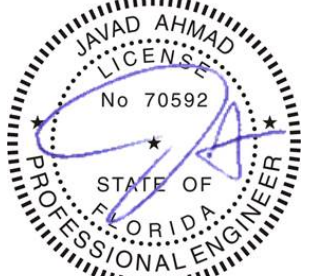
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Check by: AI

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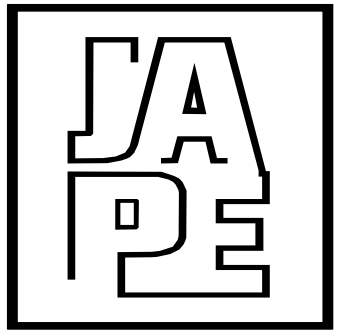
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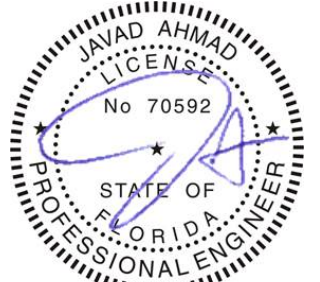
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Drawn by:	SA
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Check by:	AI
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Drawing no.	JA-1582-23
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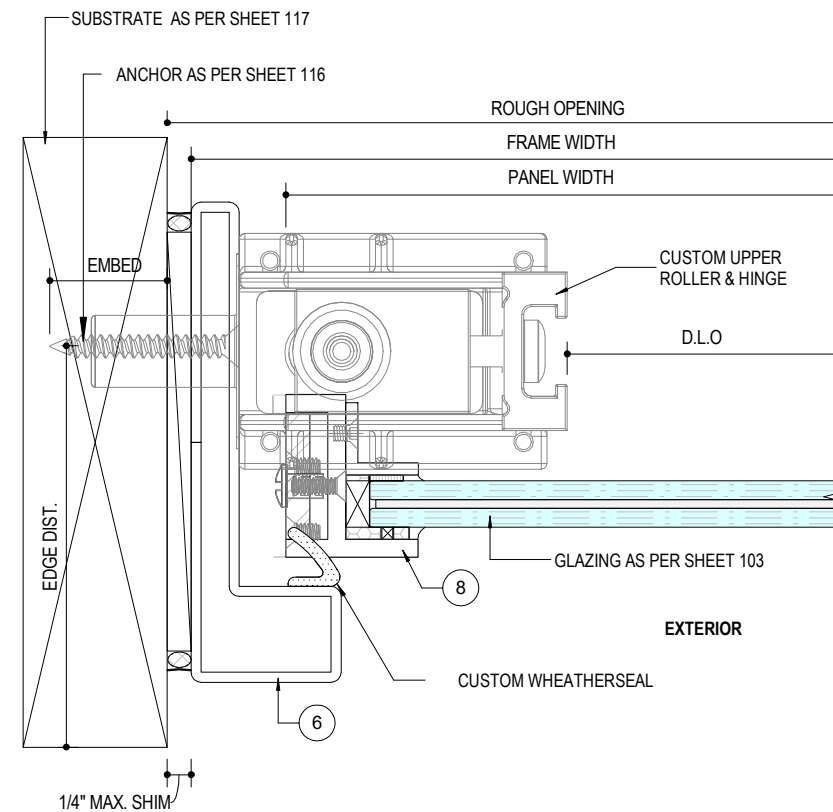
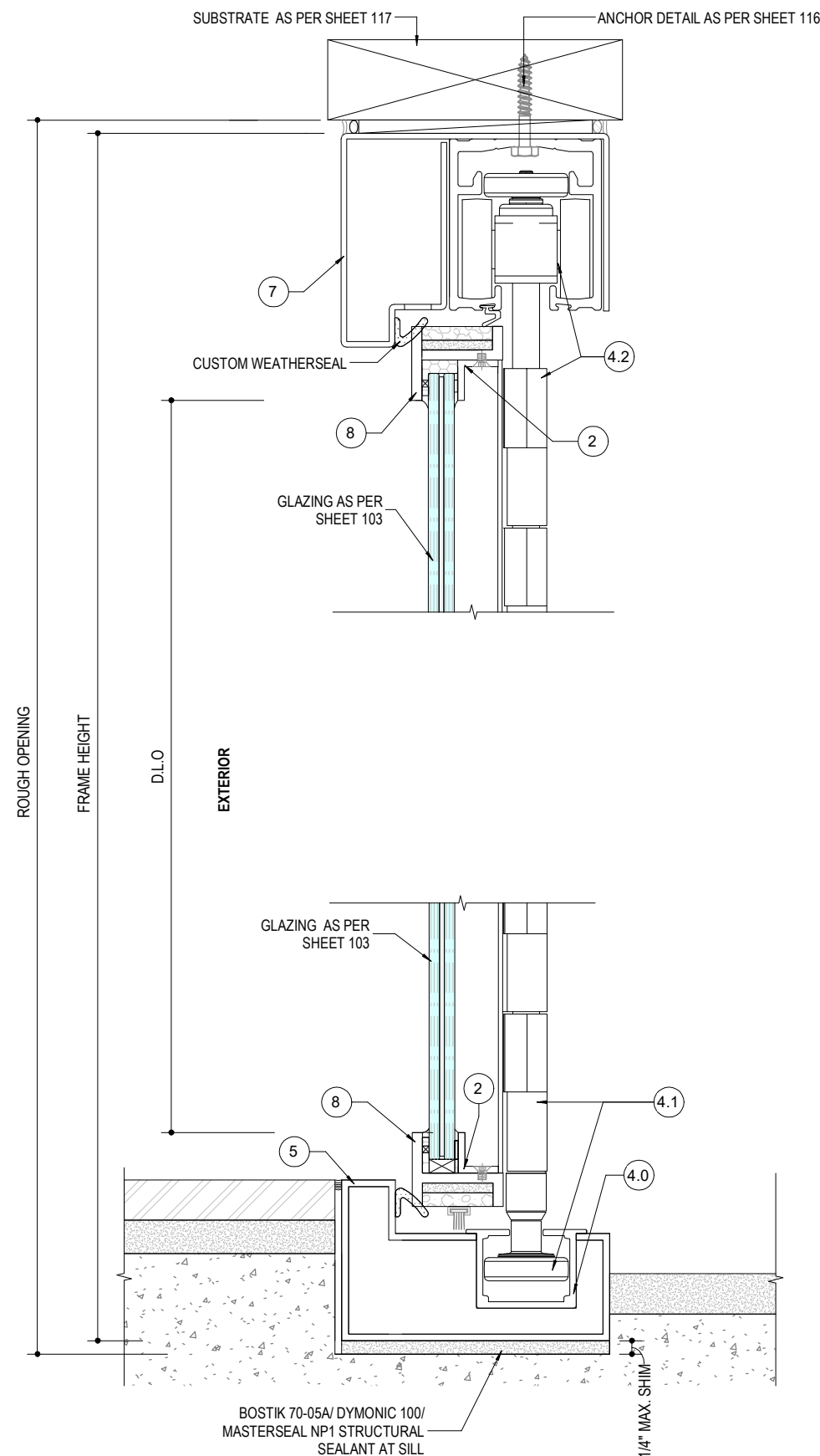
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CIVIL FLA. PE # 70592 - C.A.N.34254



SEALED: 02-14-2025

115

OF 119



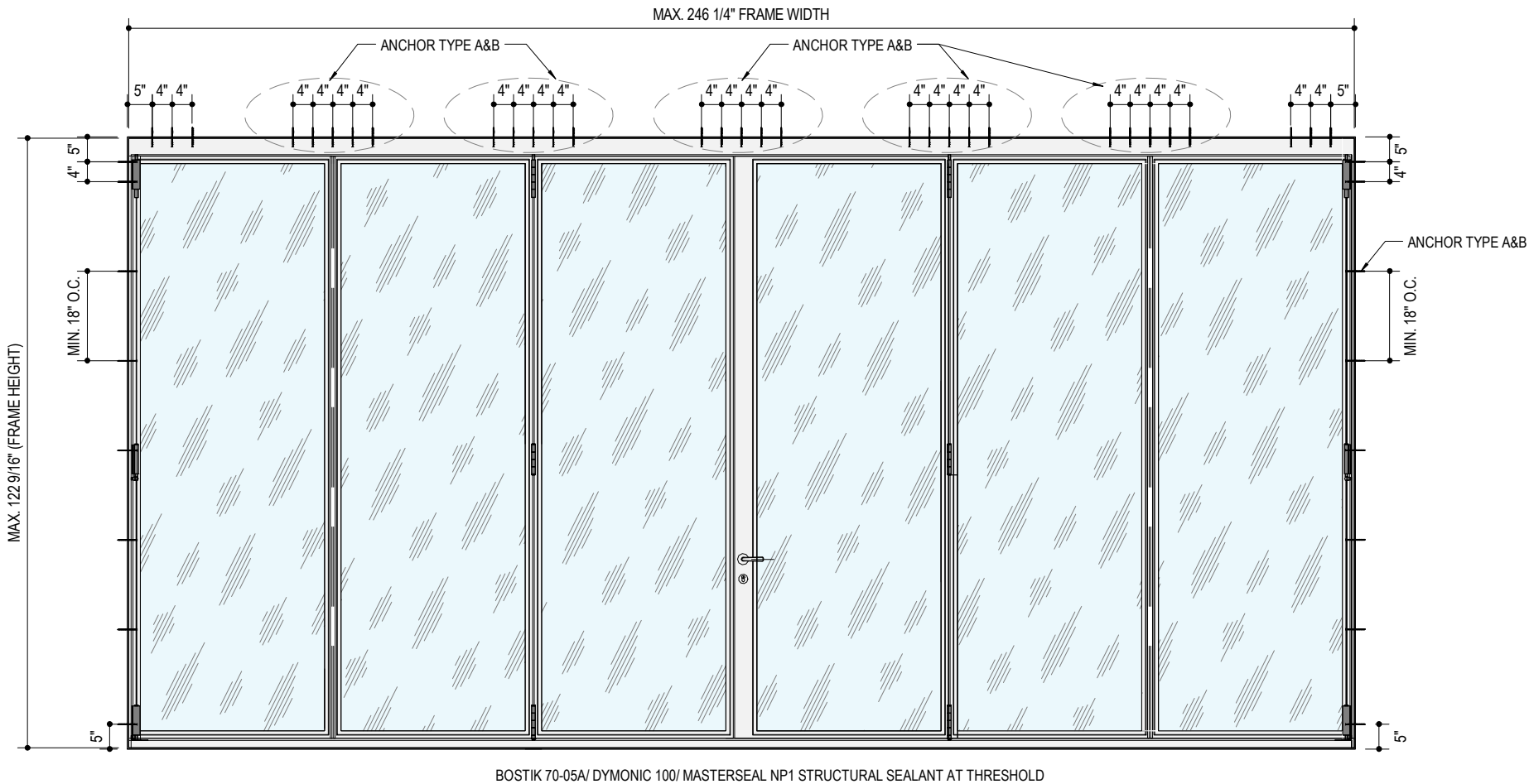
2 FOLD & SLIDE JAMB DETAIL NON-THERMALLY-INSWING
115 NOT TO SCALE

NOT TO SCALE

NOTE:
• SCREWS OPTIONAL AT GLASS STOP.

ANCHORAGE LAYOUT

FL# 47349.1



BOSTIK 70-05A/ DYMONIC 100/ MASTERSEAL NP1 STRUCTURAL SEALANT AT THRESHOLD

1
116 ANCHORAGE LAYOUT
NOT TO SCALE

TYPICAL ANCHOR TYPES:

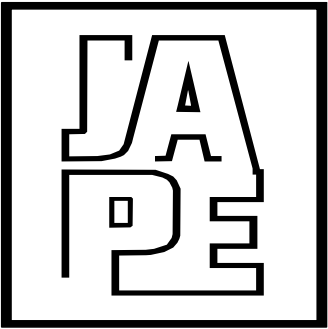
- TYPE A -1/4" DEWALT ULTRACON+ (Fu = 177,000 PSI, Fv = 155,000 PSI)**
- INTO 2BY WOOD WITH 1-1/2"MIN PENETRATION, AND 1-3/4" MIN EDGE DISTANCE AND 18" O.C. SPACING.
 - DIRECTLY INTO CONCRETE OR GROUT FILLED MASONRY WITH 1-3/4" EMBEDMENT, 2-1/2" MIN EDGE DISTANCE AND 18" O.C. SPACING
 - DIRECTLY INTO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

- TYPE B - #12-24 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 12" 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 12" O.C. SPACING

- ANCHOR / SUBSTRATE NOTES:**
- WOOD AT HEAD OR JAMBS SHOULD BE MIN. SOUTHERN YELLOW PINE #2 (SG=0.55 MIN.) OR EQ.
 - CONCRETE AT HEAD OR JAMBS SHOULD BE MIN. f'c= 3000 PSI
 - C-90 HOLLOW/GROUT FILLED MASONRY UNITS AT JAMBS f'm= 1500 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 BY OTHERS.

NOTE:
THE SUPPORTING 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.

SEALANTS:
ALL JOINTS AND FRAME CONNECTIONS SHALL BE SEALED WITH ALUMINUM COLOR SEALANT.



JAVAD AHMAD PE, inc

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Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

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ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

FOLD & SLIDE DOOR SYSTEM

CLIENT :

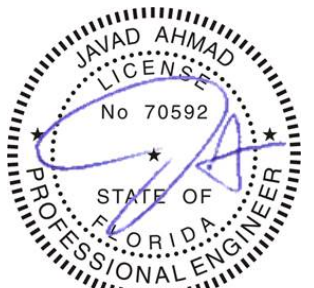
AMERICAN STEEL
MANUFACTURING, LLC

280 W. HILLSBORO BLVD /
DEERFIELD BEACH, FL 33441

REVISION

No.	DATE	BY	DESCRIPTION
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Drawn by:		SA	
Check by:		AI	
Drawing no.		JA-1582-23	

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



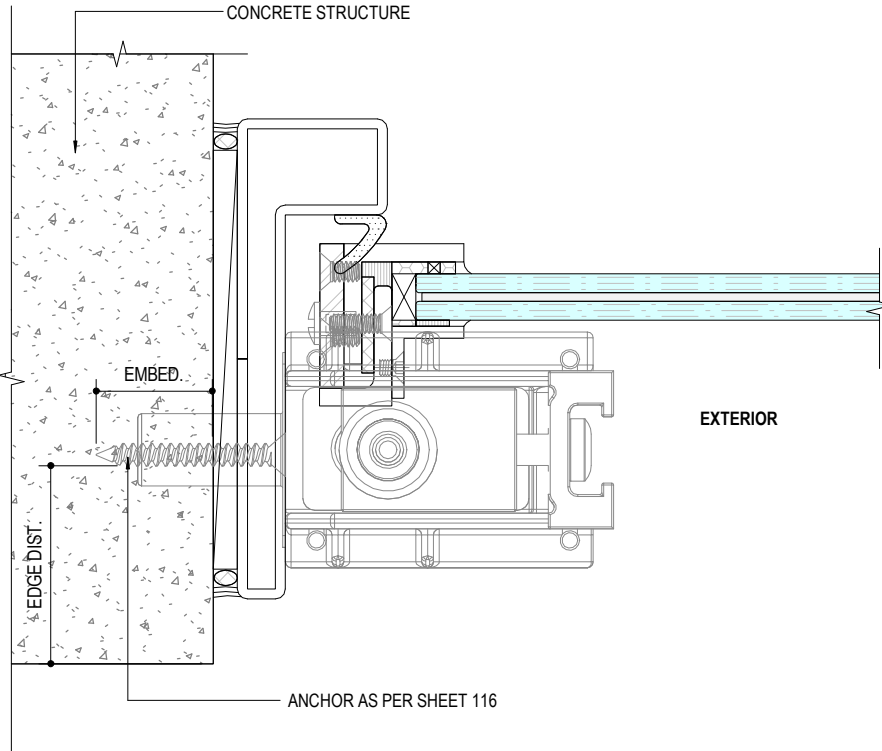
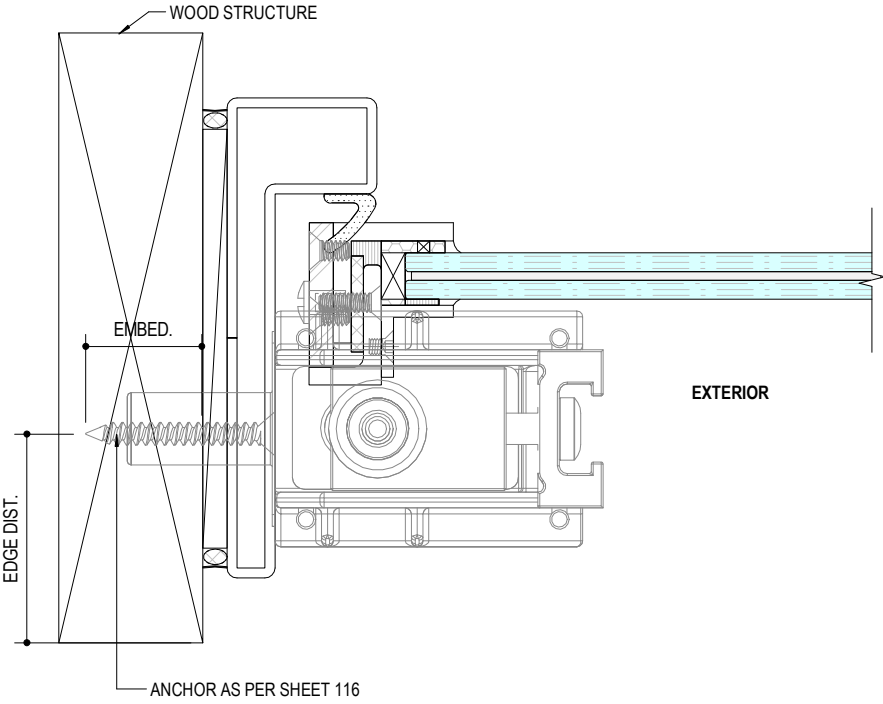
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116

OF 119

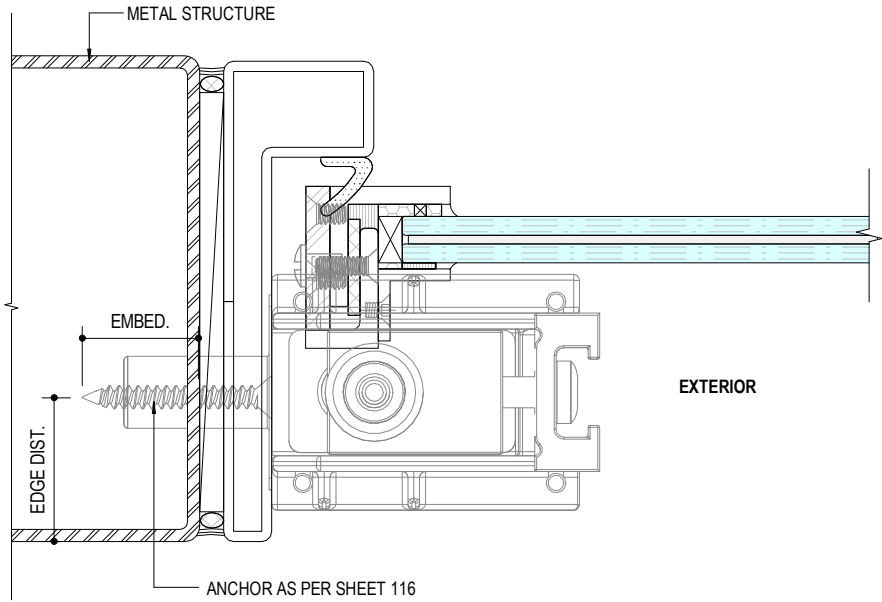
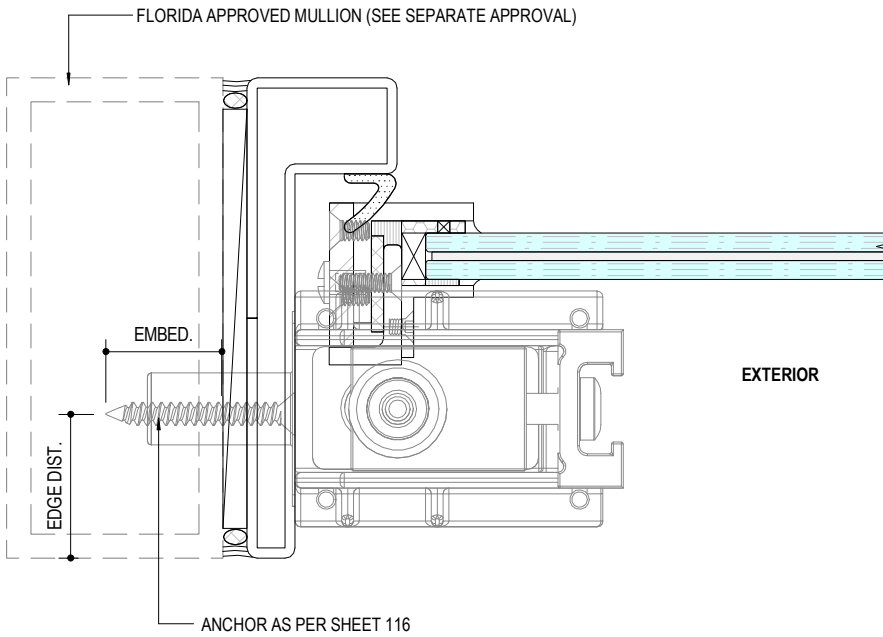
ANCHORAGE DETAIL

FL# 47349.1



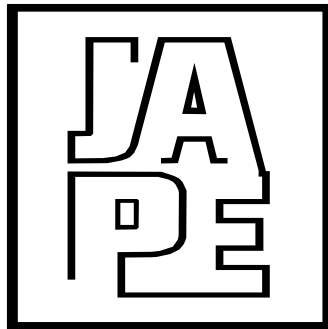
1 ANCHORAGE INTO WOOD STRUCTURE
117 NOT TO SCALE

2 ANCHORAGE INTO CONCRETE
117 NOT TO SCALE



3 ANCHORAGE INTO ALUMINUM MULLION
117 NOT TO SCALE

4 ANCHORAGE INTO METAL STRUCTURE
117 NOT TO SCALE



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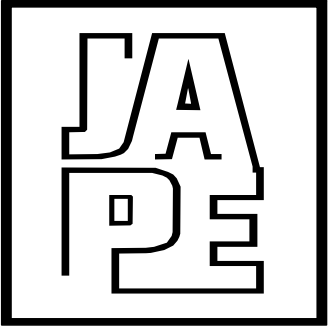
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PARTS LIST

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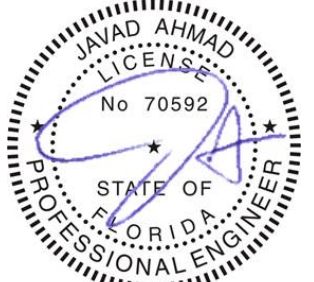
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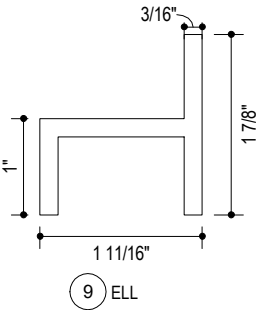
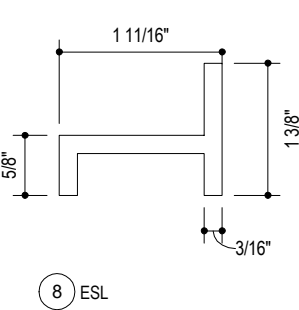
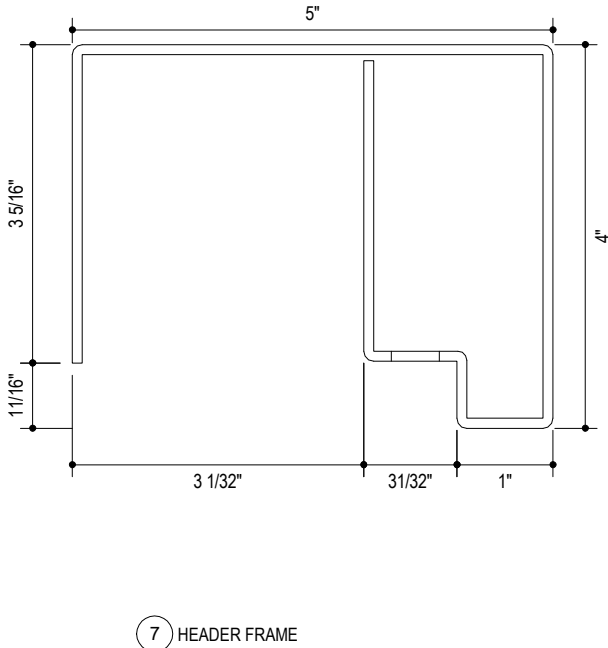
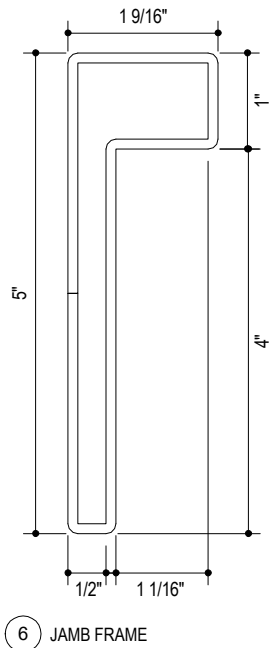
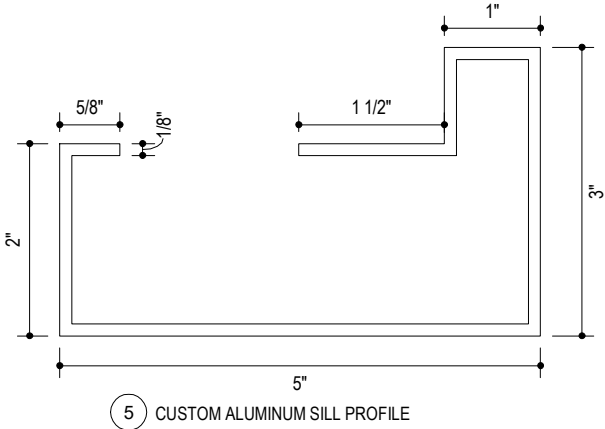
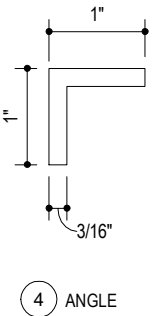
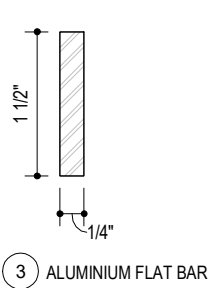
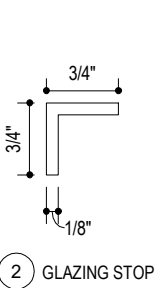
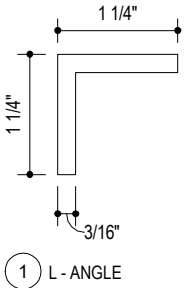
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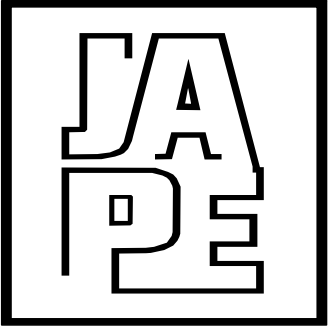


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BILL OF MATERIALS

ITEM #	QTY:	PART #	DESCRIPTION	MATERIAL
METAL				
1	AS REQD.	-	1 1/4" x 1 1/4" x 3/16" CUSTOM ANGLE	BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316
2	AS REQD.	-	3/4" x 3/4" x 1/8" CUSTOM ANGLE	BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316
3	AS REQD.	-	1/4" x 1 1/2" FLAT BAR	BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316
4	AS REQD.	-	1" x 1" x 3/16" CUSTOM ANGLE	BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316
5	AS REQD.	-	CUSTOM ALUMINUM SILL PROFILE	ALUMINIUM-6061
6	AS REQD.	-	JAMB FRAME	ALUMINIUM-6061
7	AS REQD.	-	HEADER FRAME	ALUMINIUM-6061
8	AS REQD.	-	ESL (CUSTOM PROFILE BY MANUFACTURE)	BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316
9	AS REQD.	-	ELL (CUSTOM PROFILE BY MANUFACTURE)	BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316
FASTENERS				
2.0	AS REQD.	-	#14 x 2 1/2" SS FLAT HEAD PHILLIPS OPTIONAL	STAINLESS STEEL
2.1	AS REQD.	99637A183	10-24 x 3/8" SS (18-8) BINDING BARREL	STAINLESS STEEL
2.2	AS REQD.	91771A241	10-24 x 3/8" SS (18-8) FLAT HEAD PHILLIPS SCREW	STAINLESS STEEL
2.3	AS REQD.	-	6-32 MACHINE SCREW	-
2.4	AS REQD.	-	4" SOLID BRASS FLUSH BOLT	-
2.5	AS REQD.	-	1/4" CONCRETE ANCHOR	-
CAULKING				
3.0	AS REQD.	-	LAZER BLOCK METAL	-
3.1	AS REQD.	-	PRO MS-50 WHITE	-
3.2	AS REQD.	-	DOW 995-BLACK	-
3.3	AS REQD.	-	3/8" CLOSED CELL BLACK ROD	-
3.4	AS REQD.	-	1/8" x 1/8" x 3" GLAZING SHIM	-
3.5	AS REQD.	-	1/4" x 3/4" x 3" SETTING BLOCK (CUSTOM)	-
3.6	AS REQD.	-	GLAZING TAPE - 60LF	-
3.7	AS REQD.	TBD	FRP 96 LF	-
3.8	AS REQD.	PK55	TAPE APPLIED GASKET 60LF NEEDED	-
3.9	AS REQD.	-	CUSTOM WEATHERSEAL	-
3.10	AS REQD.	-	BOSTIK 70-05A ADHEVIVE	SILYL MODIFIED POLYMER
3.11	AS REQD.	-	TREMCO DYMONIC 100 SEALANT	POLYURETHANE
3.12	AS REQD.	-	MASTERSEAL NP 1 SEALANT	POLYURETHANE
HARDWARE				
4.0	AS REQD.		CUSTOM LOWER TRACK @ 21'	-
4.1	AS REQD.		CUSTOM LOWER ROLLER SET	-
4.2	AS REQD.		CUSTOM UPPER ROLLER SET	-
4.3	AS REQD.		CUSTOM UPPER ROLLER & HINGE SET	-
4.4	AS REQD.		CUSTOM LEVER SET	-
4.5	AS REQD.		CUSTOM SURFACE BOLT	-
4.6	AS REQD.		CUSTOM 12 GAUGE FRAME @ JAMB @ 10'	-
4.7	1		CUSTOM 12 GAUGE FRAME @ HEADER @ 21'	-





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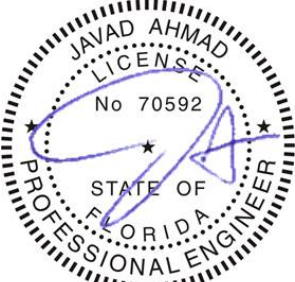
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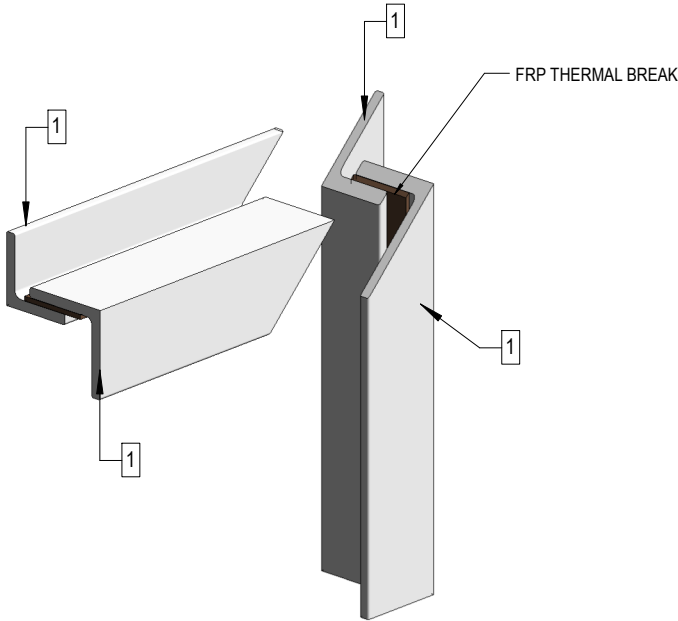
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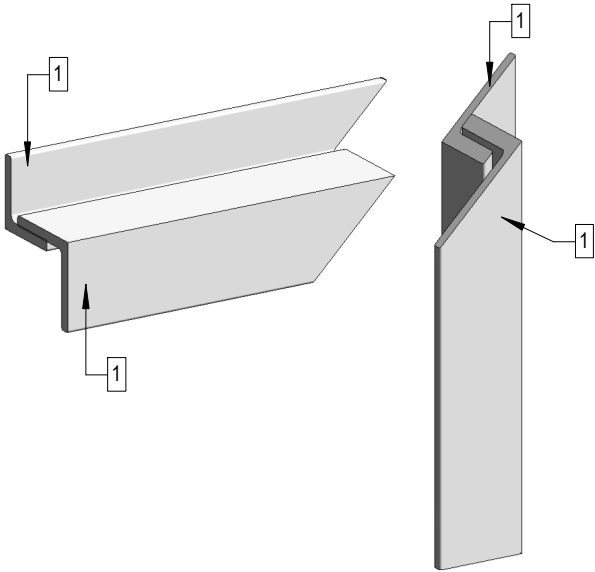
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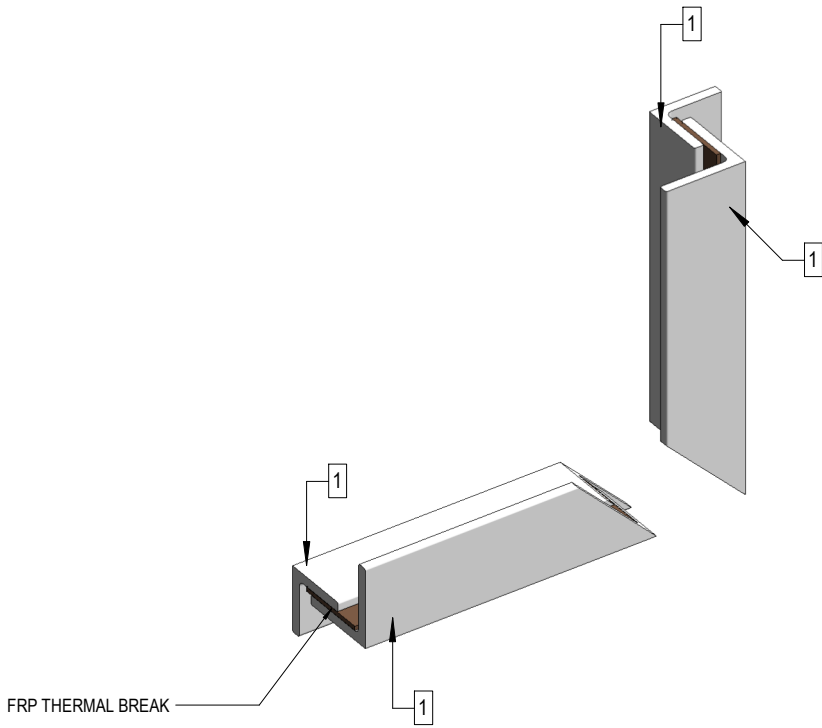
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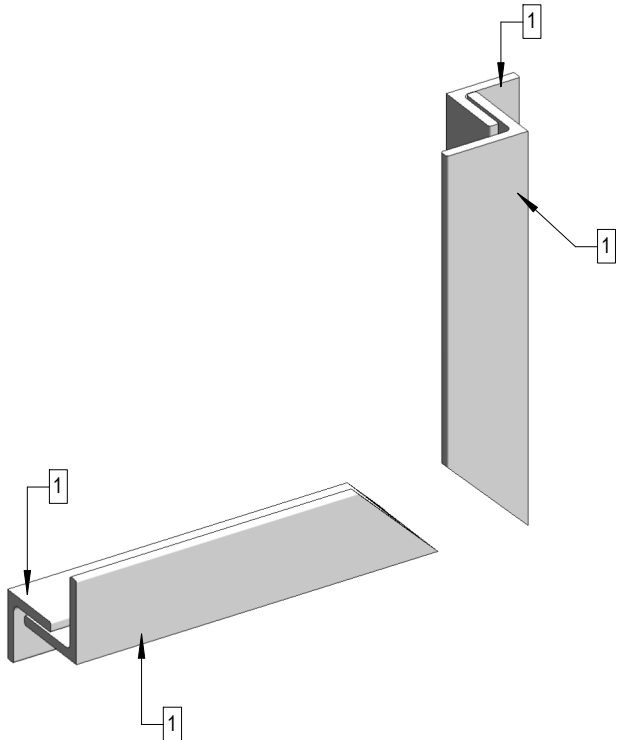
THERMALLY BROKEN - TOP CORNER SASH ASSEMBLY DETAILS



NON-THERMALLY BROKEN - TOP CORNER SASH ASSEMBLY DETAILS



THERMALLY BROKEN - BOTTOM CORNER SASH ASSEMBLY DETAILS



NON-THERMALLY BROKEN - BOTTOM CORNER SASH ASSEMBLY DETAILS