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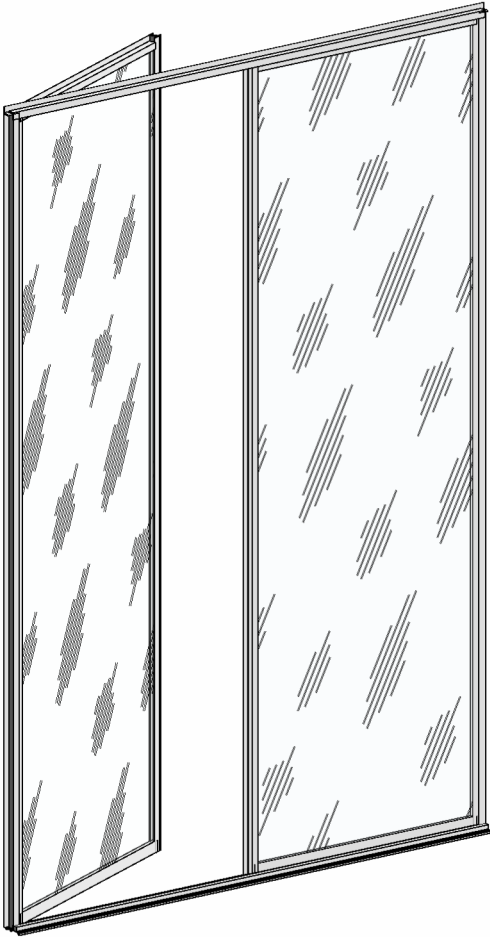
NOTE: THIS PRODUCT CAN BE COMBINED WITH OTHER FBC APPROVED AMERICAN STEEL MANUFACTURING, LLC PRODUCTS. WHEN MULLED COMBINATION ARE USED, THE LOWER DESIGN PRESSURE FROM EACH PRODUCT WILL APPLY TO THE ENTIRE SYSTEM. FINAL APPROVAL OF ALL DESIGNS SHALL BE GRANTED BY THE GOVERNING MUNICIPALITY.

DESIGN PRESSURES:

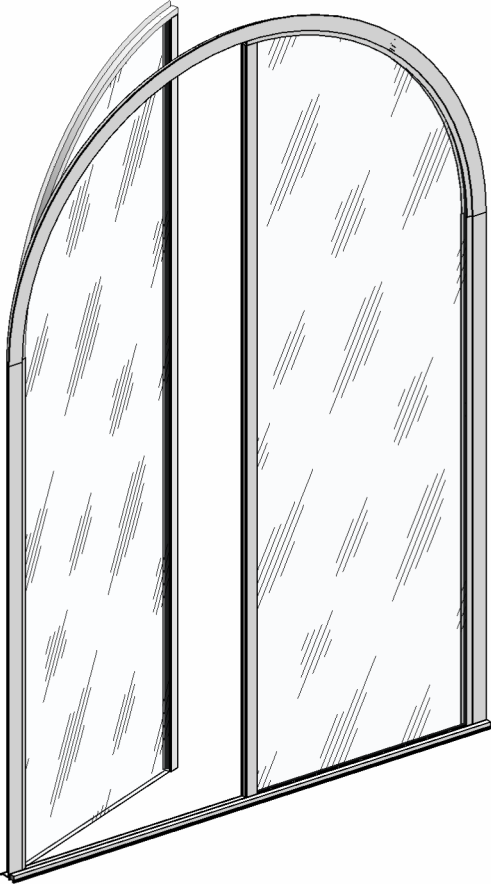
PLEASE SEE SHEET 103 FOR PRESSURES

AMERICAN STEEL MANUFACTURING, LLC
OUTSWING/ INSWING FRENCH DOOR SYSTEM
(LARGE AND SMALL MISSILE IMPACT RATED)

FL#47348.1



FRENCH DOOR



ARCHED FRENCH DOOR

GENERAL NOTES

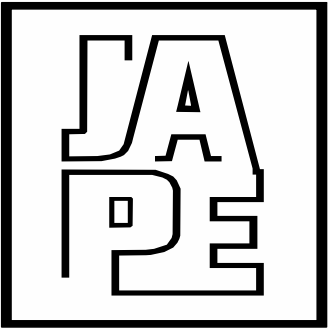
1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023), FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ) PER TAS 201/202/203.
2. GLASS CAPACITIES MENTIONED IN THE PRESSURE CHARTS THIS CERTIFICATION ARE BASED ON ASTM E1300-16 (3 SEC. GUSTS).
3. DESIGN PRESSURES MENTIONED IN THIS CERTIFICATION ARE ALLOWABLE PRESSURE (ASD) BASED ON TESTED PRESSURE DIVIDED BY A FACTOR OF SAFETY 1.5.
4. 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.
5. 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.
6. 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 ANY SITE SPECIFIC INSTALLATION INFORMATION. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A QUALIFIED ENGINEER IN THE STATE OF FLORIDA 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 (EXAMPLE: STEEL WITH ALUMINUM).
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 FOR FORCED ENTRY RESISTANCE 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# 47348.1

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

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 :

OUTSWING/INSWING FRENCH
DOOR SYSTEM

CLIENT :

AMERICAN STEEL
MANUFACTURING, LLC

280 W. HILLSBORO BLVD /
DEERFIELD BEACH, FL 33441

REVISION

No.	DATE	BY	DESCRIPTION

Date: 02-26-2025

Scale: N/A

Drawn by: SA

Check by: BS

Drawing no. JA-1582-23

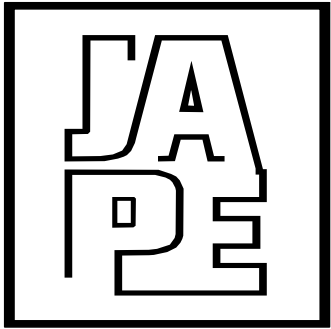
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CIVIL FLA. PE # 70592 - C.A.N.34254



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TYPICAL ELEVATION

FL#47348.1



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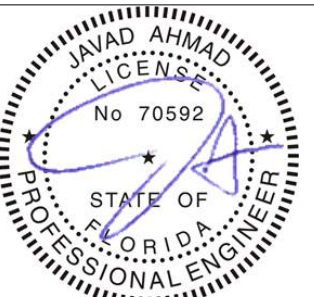
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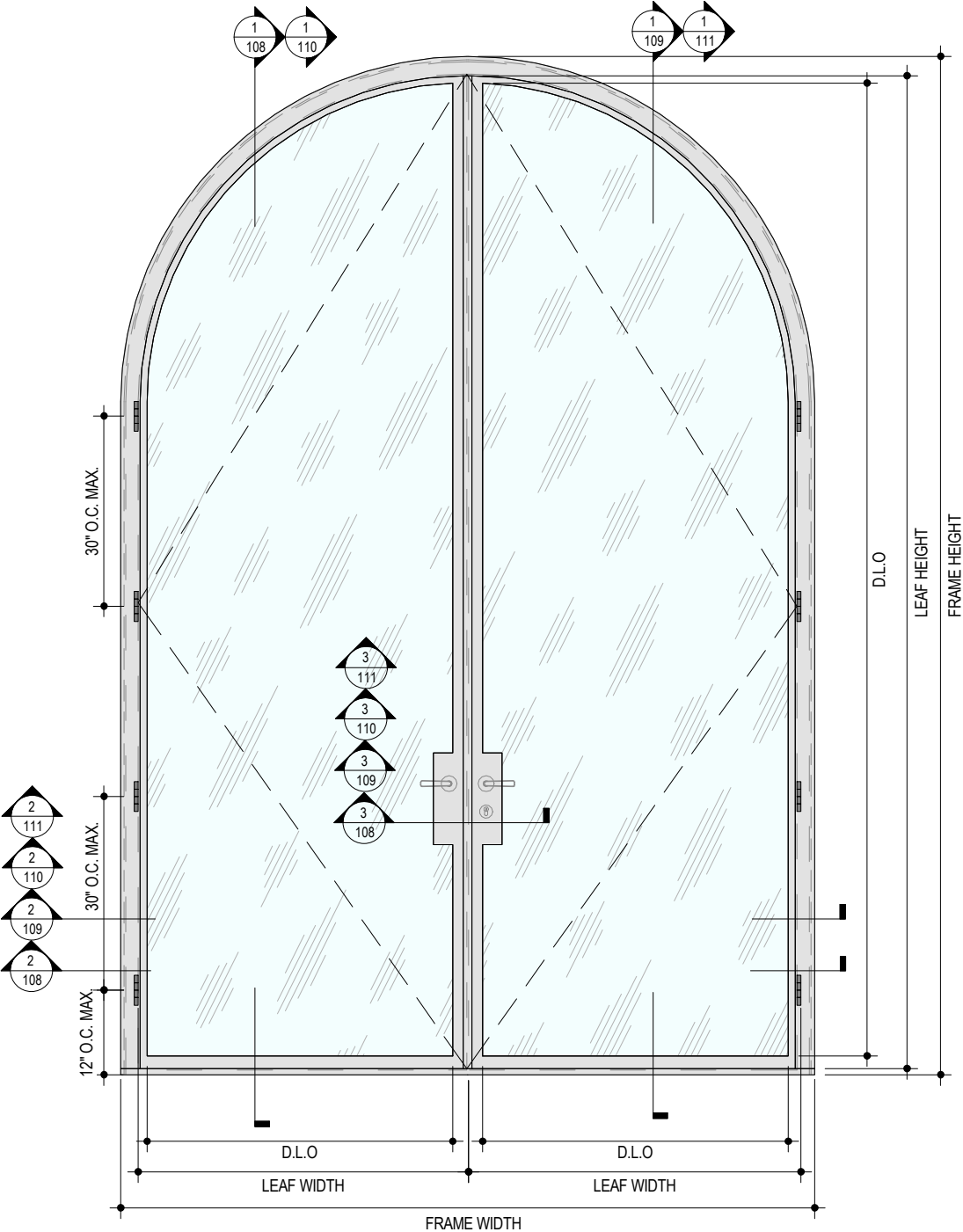
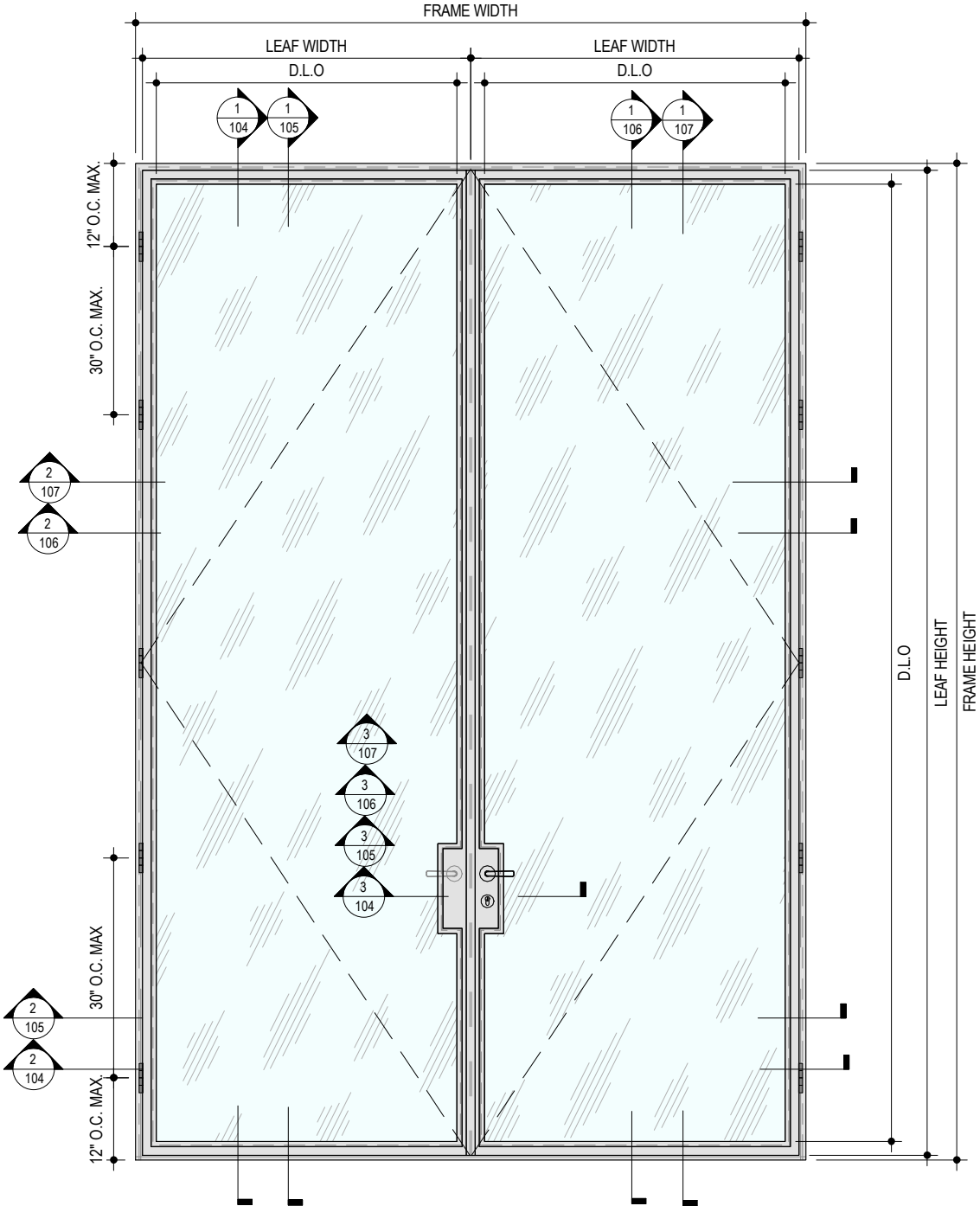
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1
102
TYPICAL FRENCH DOOR ELEVATION OUTSWING/ INSWING
NOT TO SCALE

2
102
TYPICAL ARCHED FRENCH DOOR ELEVATION OUTSWING/ INSWING
NOT TO SCALE

SYSTEM	MAX. D.L.O. WIDTH	MAX. D.L.O. HEIGHT	MAX. FRAME WIDTH	MAX. FRAME HEIGHT
THERMALLY BROKEN DOOR	43 3/8"	138 1/8"	96 3/4"	143 13/16"
NON-THERMALLY BROKEN DOOR	43 5/8"	139 3/8"	97 1/4"	143 15/16"
THERMALLY BROKEN ARCHED DOOR	43 3/8"	138 3/32"	98 1/2"	144 9/16"
NON-THERMALLY BROKEN ARCHED DOOR	43 5/8"	138 3/8"	98 1/2"	144 9/16"

D.L.O. CALCULATION

• THERMALLY BROKEN DOOR -

D.L.O. HEIGHT = FRAME HEIGHT - 5"
D.L.O. WIDTH = $\frac{\text{FRAME WIDTH} - 4-7/8"}{2}$

• NON-THERMALLY BROKEN DOOR -

D.L.O. HEIGHT = FRAME HEIGHT - 5-9/16"
D.L.O. WIDTH = $\frac{\text{FRAME WIDTH} - 5"}{2}$

• THERMALLY BROKEN ARCHED DOOR -

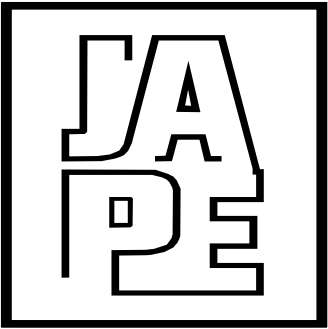
D.L.O. HEIGHT = FRAME HEIGHT - 6-7/16"
D.L.O. WIDTH = $\frac{\text{FRAME WIDTH} - 5-7/8"}{2}$

• NON-THERMALLY BROKEN ARCHED DOOR -

D.L.O. HEIGHT = FRAME HEIGHT - 6-3/16"
D.L.O. WIDTH = $\frac{\text{FRAME WIDTH} - 5-5/8"}{2}$

NOTE:

- THERMALLY BROKEN EXTERIOR GLAZED: SEE SHEET 104 & 109
- THERMALLY BROKEN INTERIOR GLAZED: SEE SHEET 105 & 108
- NON-THERMALLY BROKEN EXTERIOR GLAZED: SEE SHEET 106 & 111
- NON-THERMALLY BROKEN INTERIOR GLAZED: SEE SHEET 107 & 110



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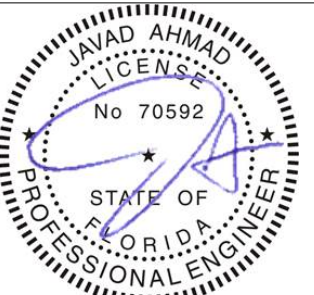
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Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254

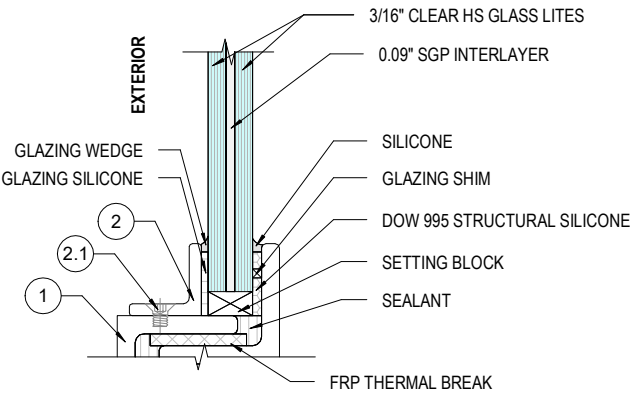


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ALLOWABLE DESIGN LOAD CAPACITY - PSF							
GLASS TYPE GL-1& GL-2							
D.L.O. WIDTH (IN.)	D.L.O. HEIGHT (IN.)	INSWING DOOR			OUTSWING DOOR		
		BRONZE	ALUMINUM	STEEL	BRONZE	ALUMINUM	STEEL
24	66	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	78	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	90	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	102	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	114	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	126	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	138-1/8	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
28	66	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	78	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	90	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	102	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	114	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	126	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	138-1/8	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
32	66	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	78	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	90	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	102	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	114	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	126	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	138-1/8	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
36	66	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	78	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	90	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	102	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	114	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	126	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	138-1/8	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
40	66	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	78	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	90	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	102	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	114	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	126	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	138-1/8	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
43-3/8	66	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	78	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	90	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	102	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	114	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	126	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65
	138-1/8	+/- 45	+/- 55	+/- 55	+/- 45	+/- 65	+/- 65

NOTES:

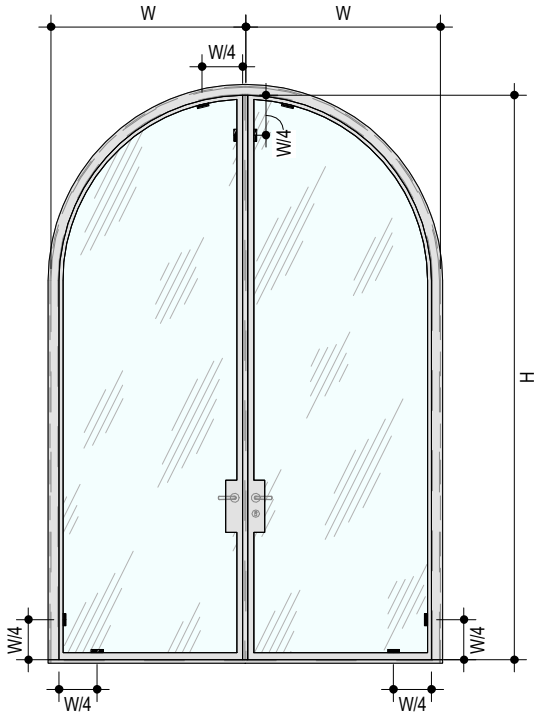
- MAXIMUM THICKNESS OF THERMAL BREAK IS 0.5.



1

GL1- 7/16" LAMINATED GLASS UNIT

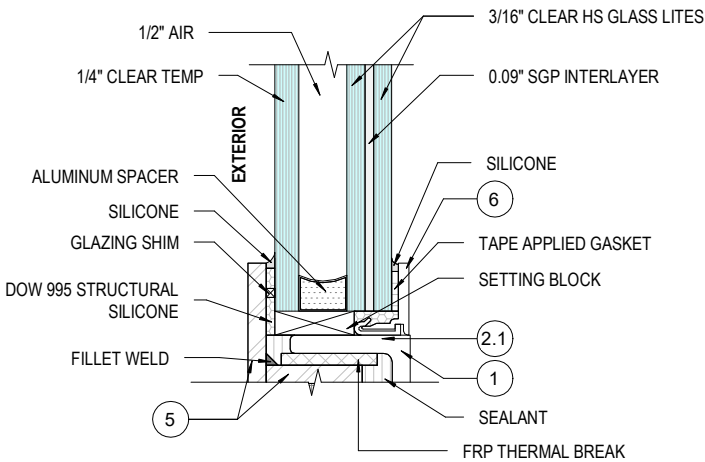
NOT TO SCALE



3

SETTING BLOCK LAYOUT

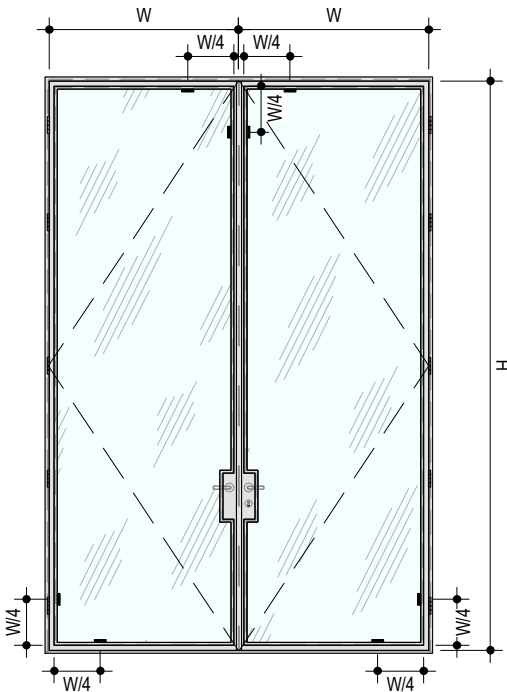
NOT TO SCALE



2

GL2- 1-3/16" INSULATED GLASS UNIT

NOT TO SCALE



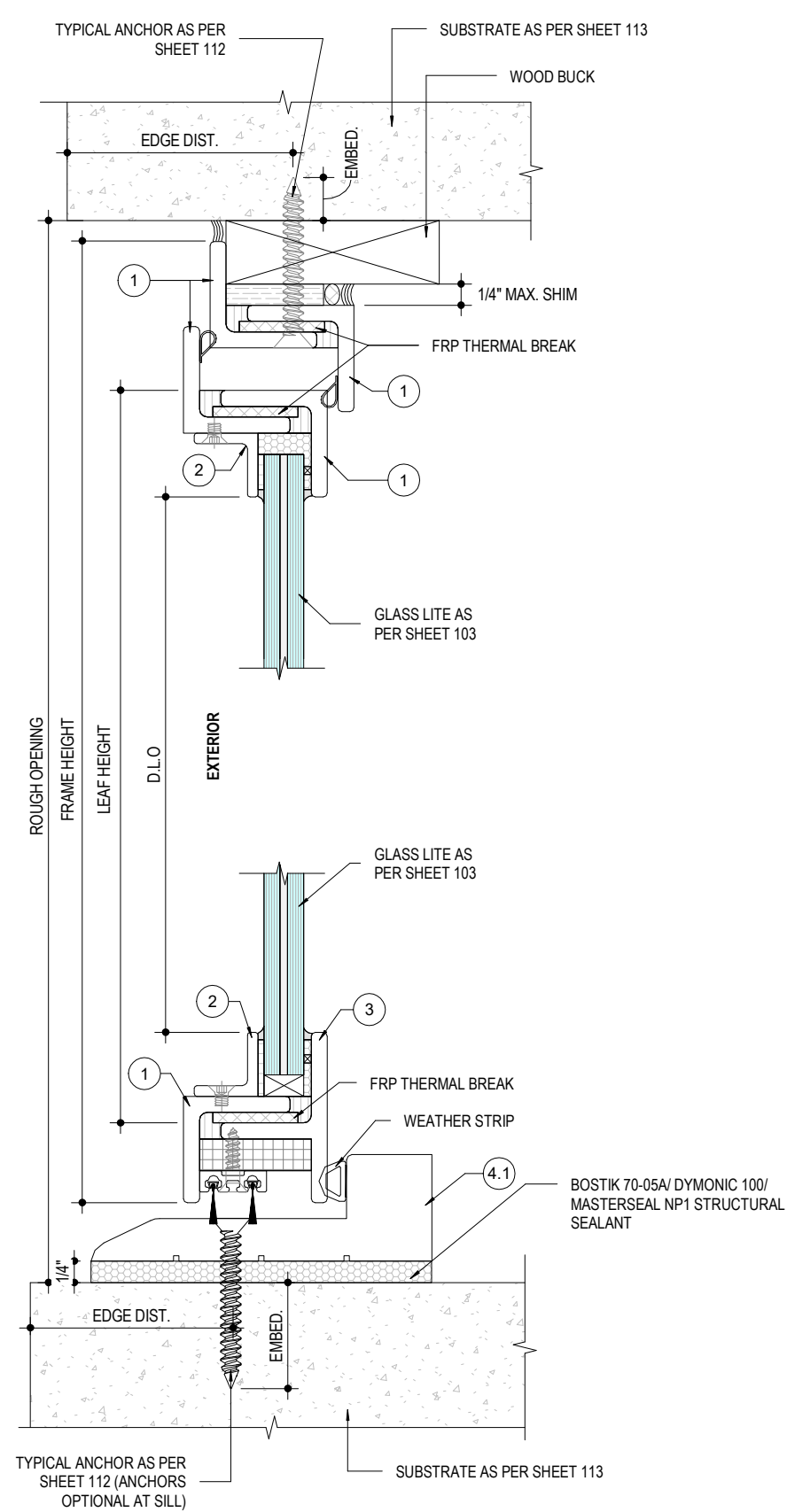
4

SETTING BLOCK LAYOUT

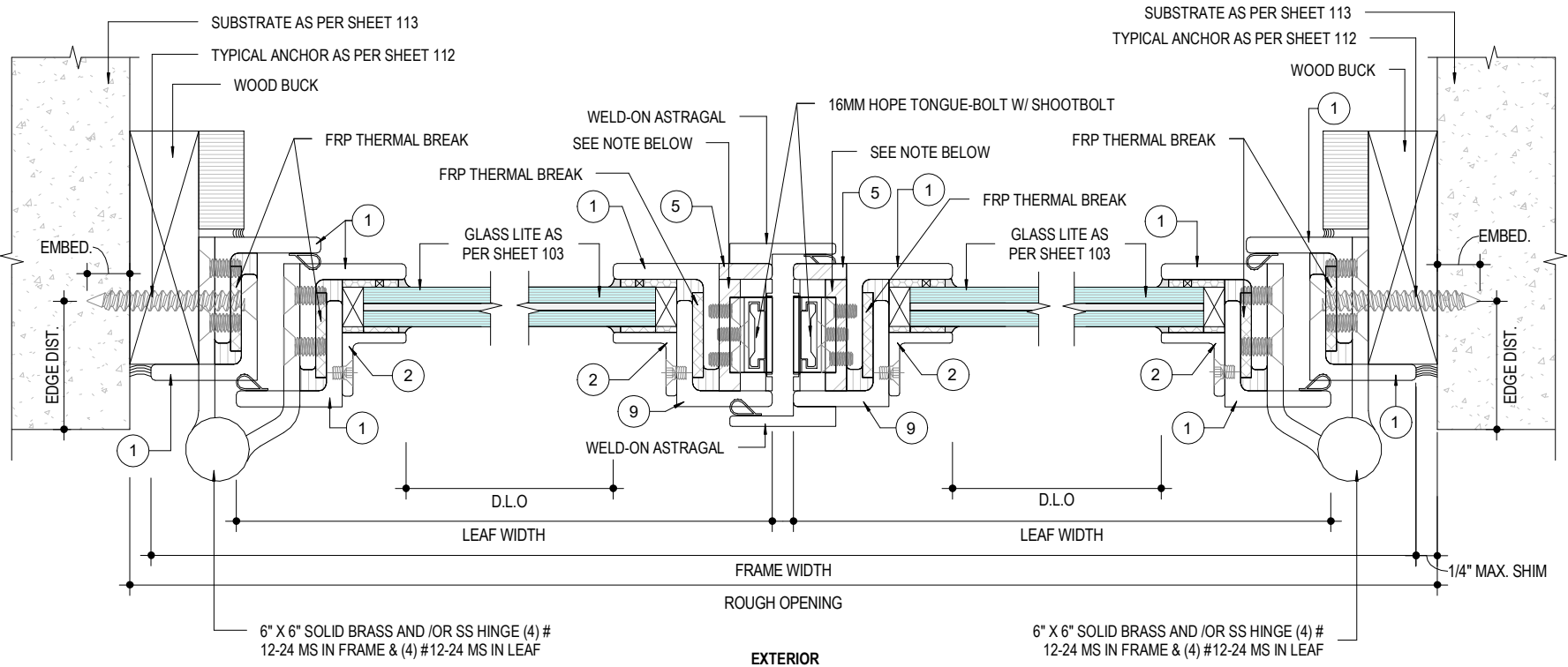
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SECTIONAL DETAILS - THERMALLY BROKEN

FL#47348.1

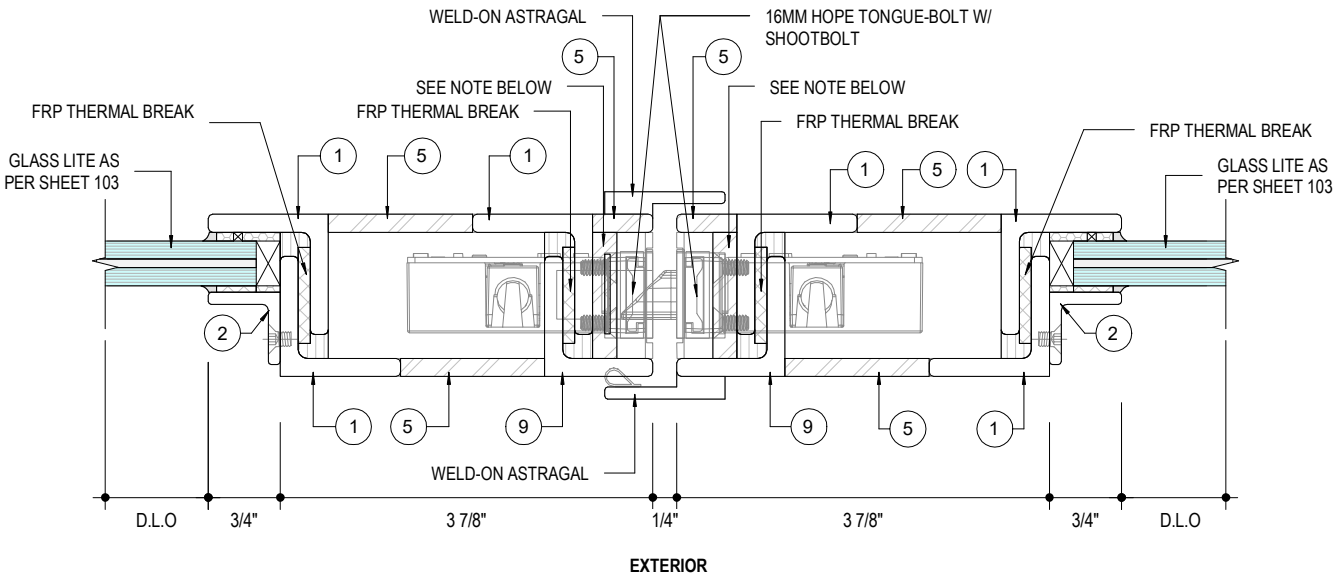


1 THERMALLY BROKEN - OUTSWING HEAD AND SILL DETAIL
104 NOT TO SCALE



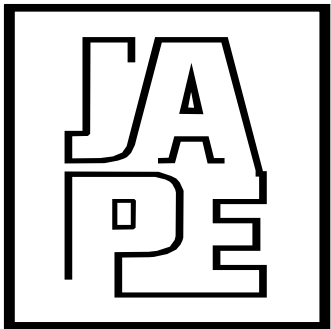
NOTE:
VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.

2 THERMALLY BROKEN - OUTSWING DOOR JAMB AND MEETING STILE DETAIL
104 NOT TO SCALE



NOTE:
• VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• ANCHORS LAYOUT AS SHOWN ON SHEET 112CAN BE USED IN LIEU OF STRUCTURAL SILICON.

3 THERMALLY BROKEN - OUTSWING DOOR LOCK BOX DETAIL
104 NOT TO SCALE



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DOOR SYSTEM

CLIENT :

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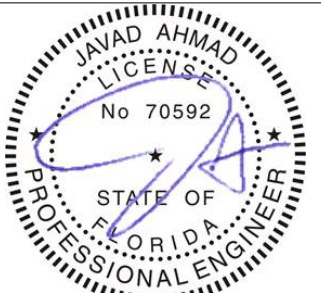
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Drawn by: SA

Check by: BS

Drawing no. JA-1582-23

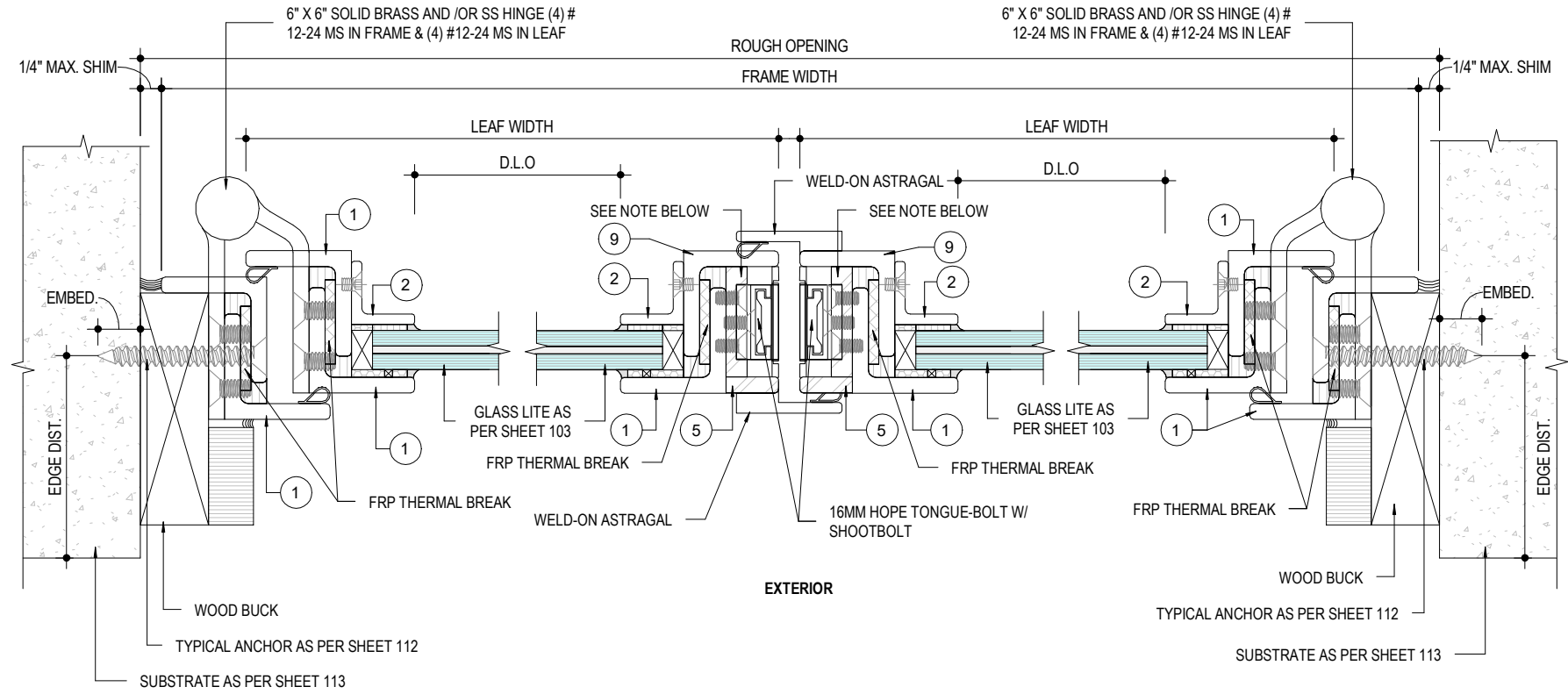
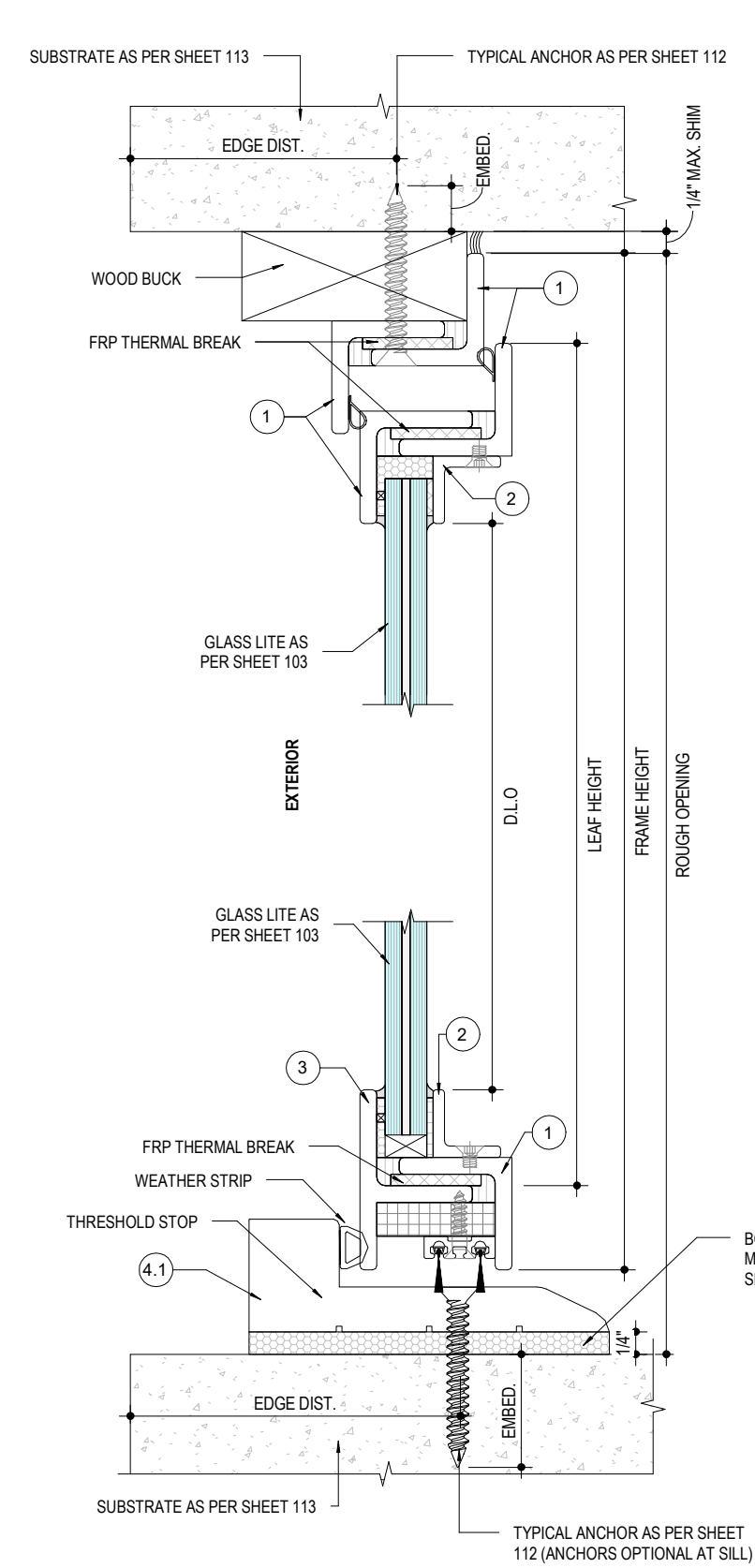
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CIVIL FLA. PE # 70592 - C.A.N.34254



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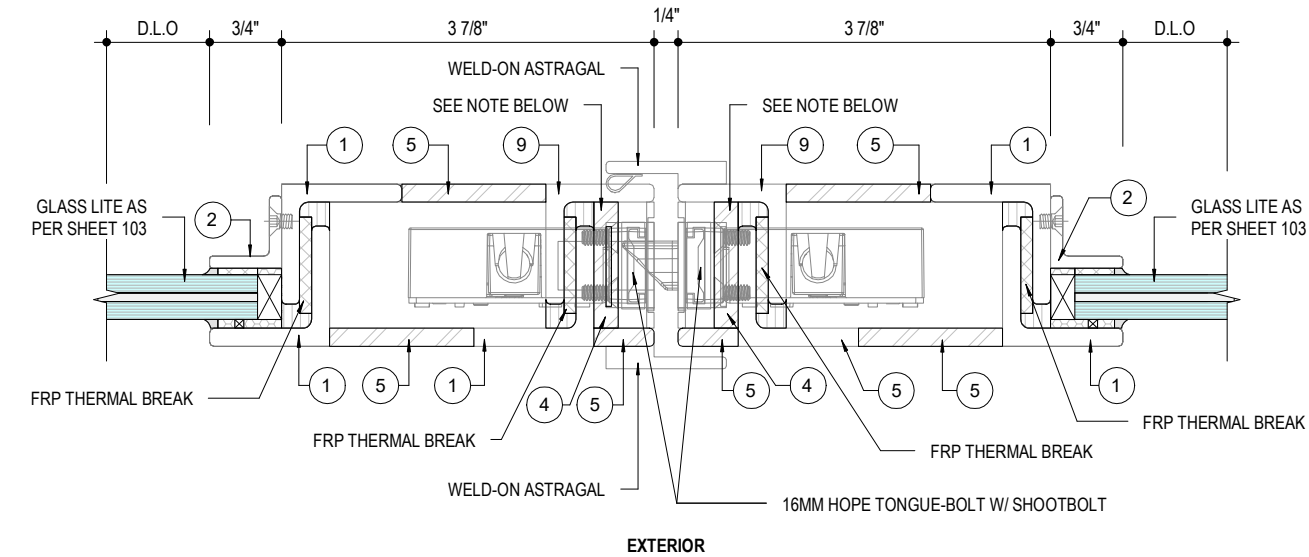
SECTIONAL DETAILS - THERMALLY BROKEN

FL#47348.1



NOTE:
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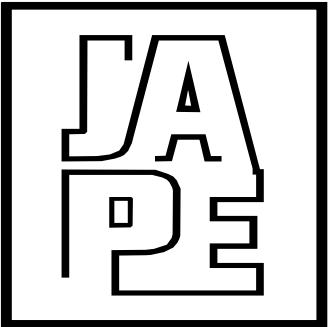
2 THERMALLY BROKEN - INSWING DOOR JAMB AND MEETING STILE DETAIL
105 NOT TO SCALE



NOTE:
• VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• ANCHORS LAYOUT AS SHOWN ON SHEET 112CAN BE USED IN LIEU OF STRUCTURAL SILICON.

1 THERMALLY BROKEN - INSWING DOOR HEAD AND SILL DETAIL
105 NOT TO SCALE

3 THERMALLY BROKEN - INSWING DOOR LOCK BOX DETAIL
105 NOT TO SCALE



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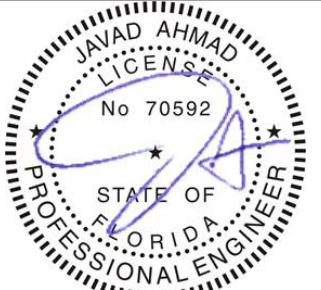
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Check by: BS

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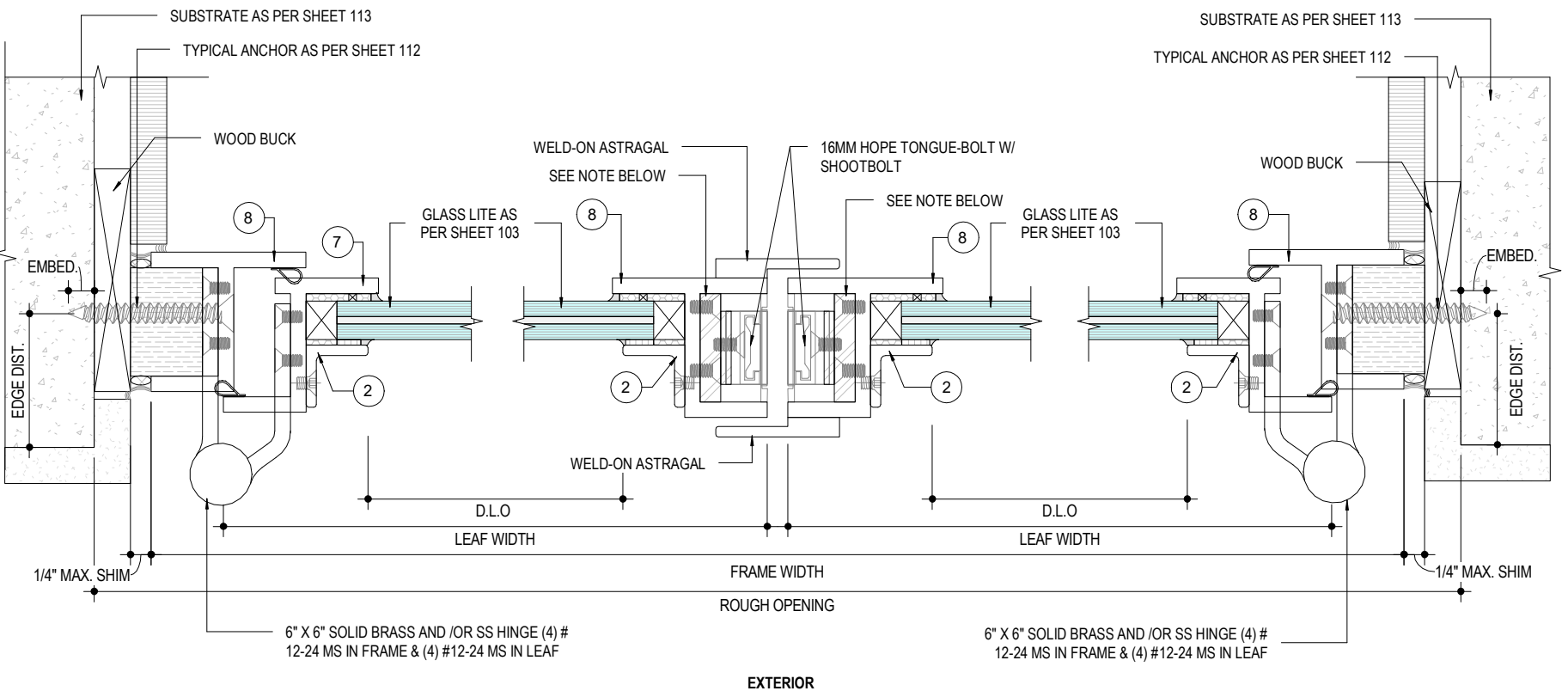
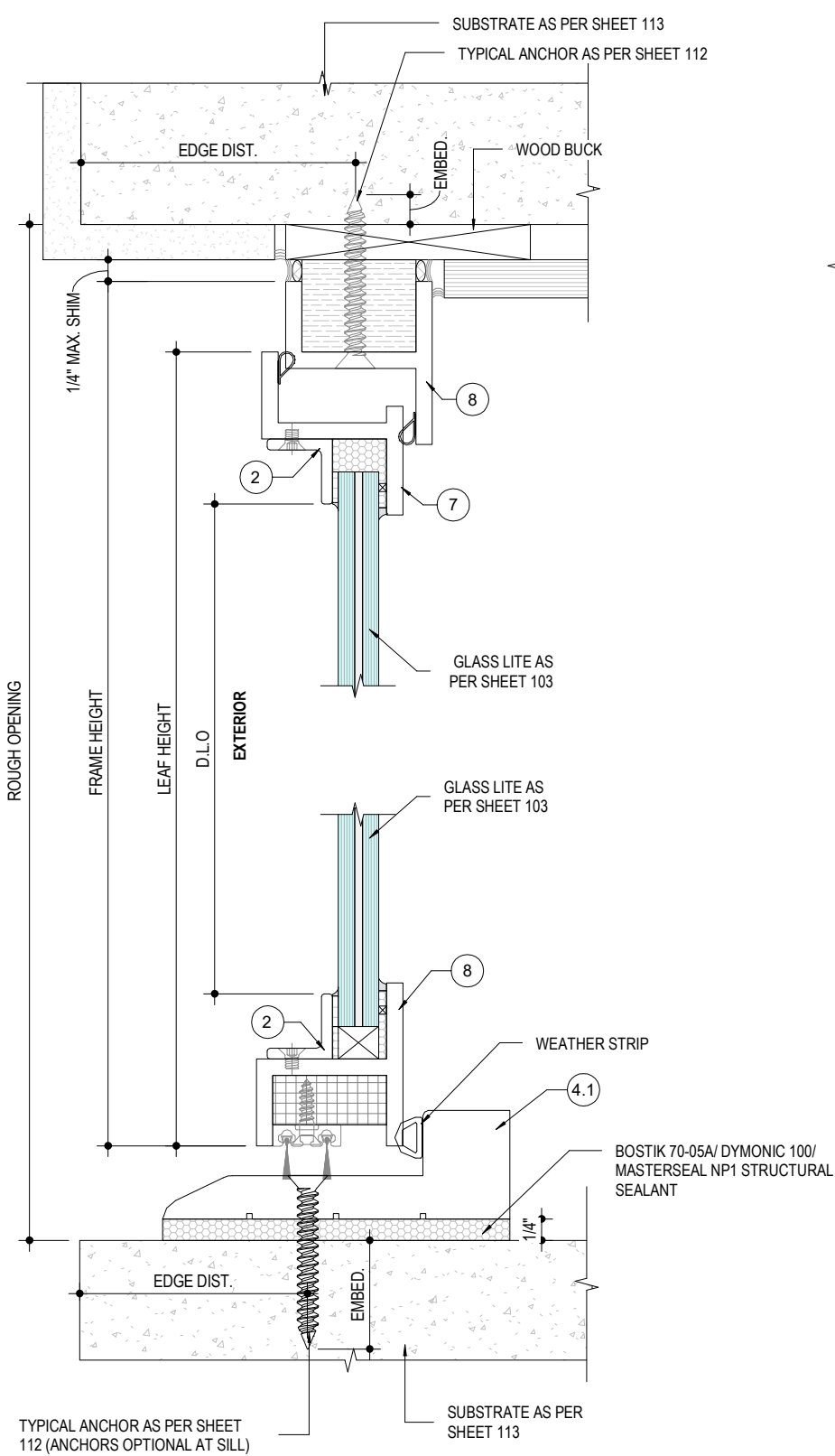
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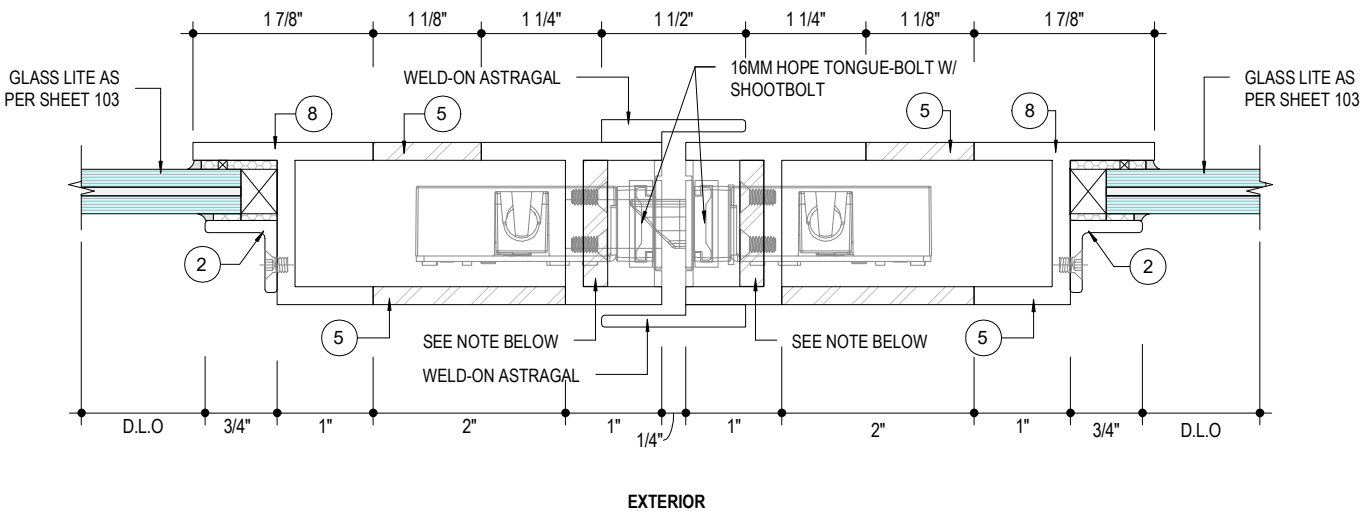
SECTIONAL DETAILS - NON THERMALLY BROKEN

FL#47348.1



NOTE:
VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.

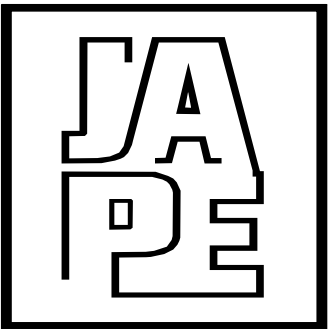
2
106
NON THERMALLY BROKEN - OUTSWING DOOR JAMB AND MEETING STILE DETAIL
NOT TO SCALE



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• VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• ANCHORS LAYOUT AS SHOWN ON SHEET 112CAN BE USED IN LIEU OF STRUCTURAL SILICON.

1
106
NON THERMALLY BROKEN - OUTSWING DOOR HEAD AND SILL DETAIL
NOT TO SCALE

3
106
NON THERMALLY BROKEN - OUTSWING DOOR LOCK BOX DETAIL
NOT TO SCALE



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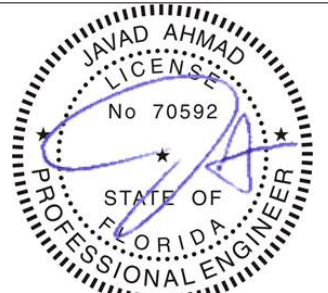
280 W. HILLSBORO BLVD /
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Check by:	BS
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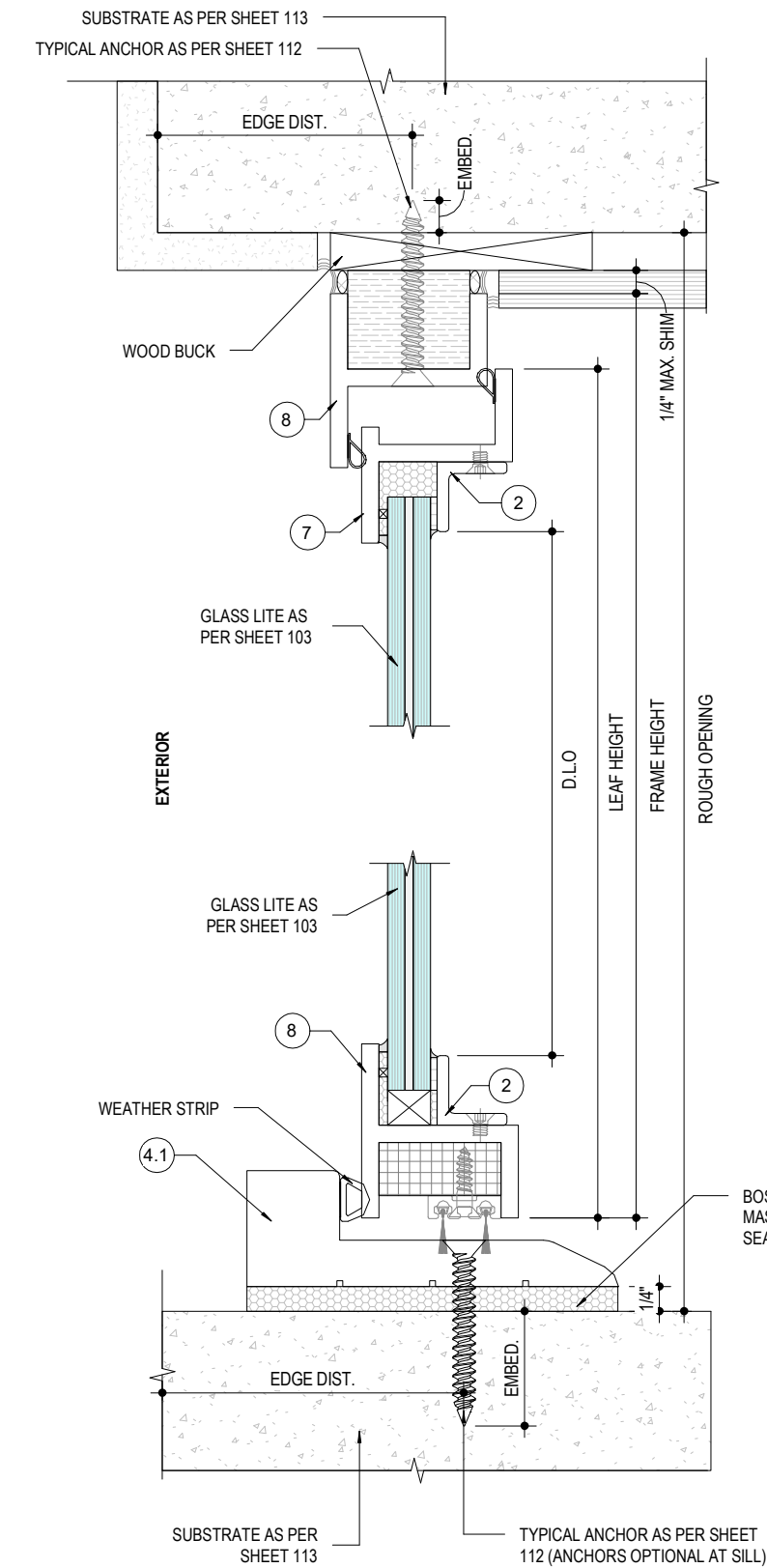
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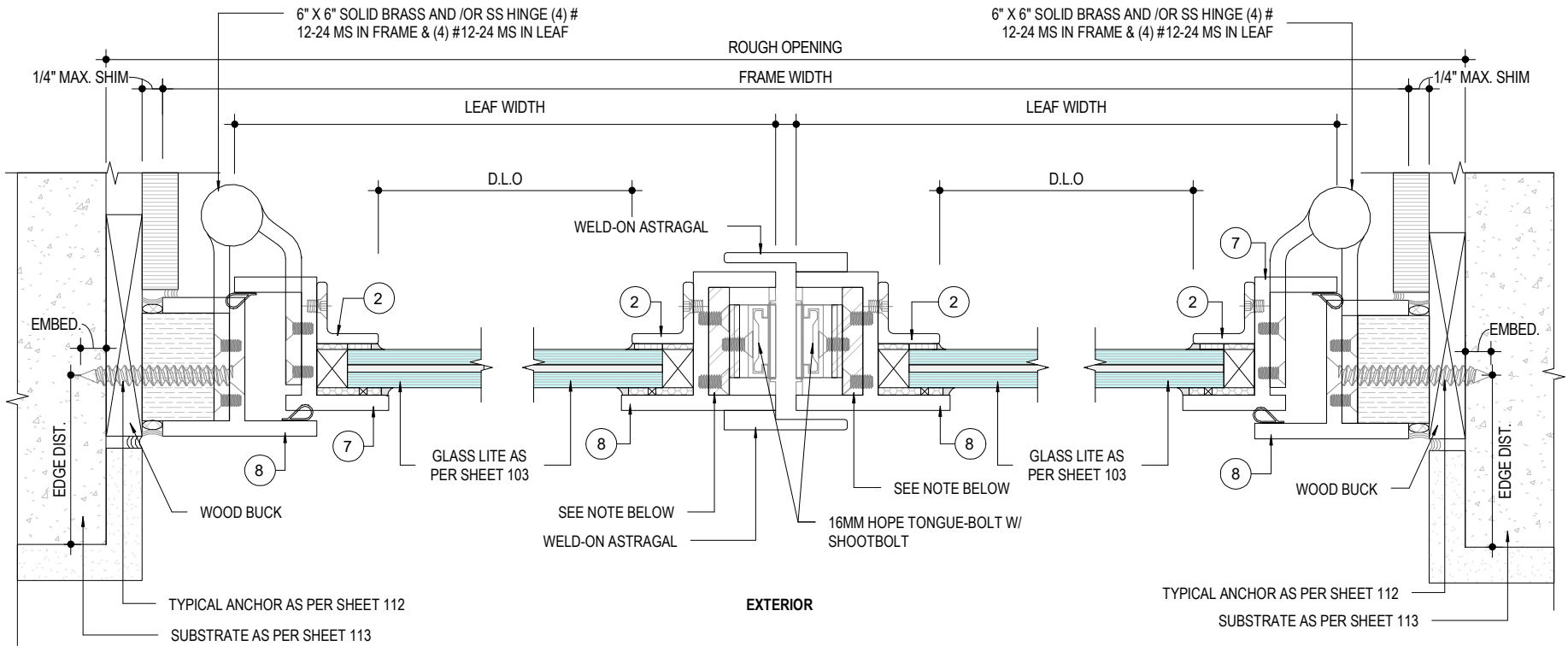
SEALED: 02-26-2025

SECTIONAL DETAILS - NON THERMALLY BROKEN

FL#47348.1

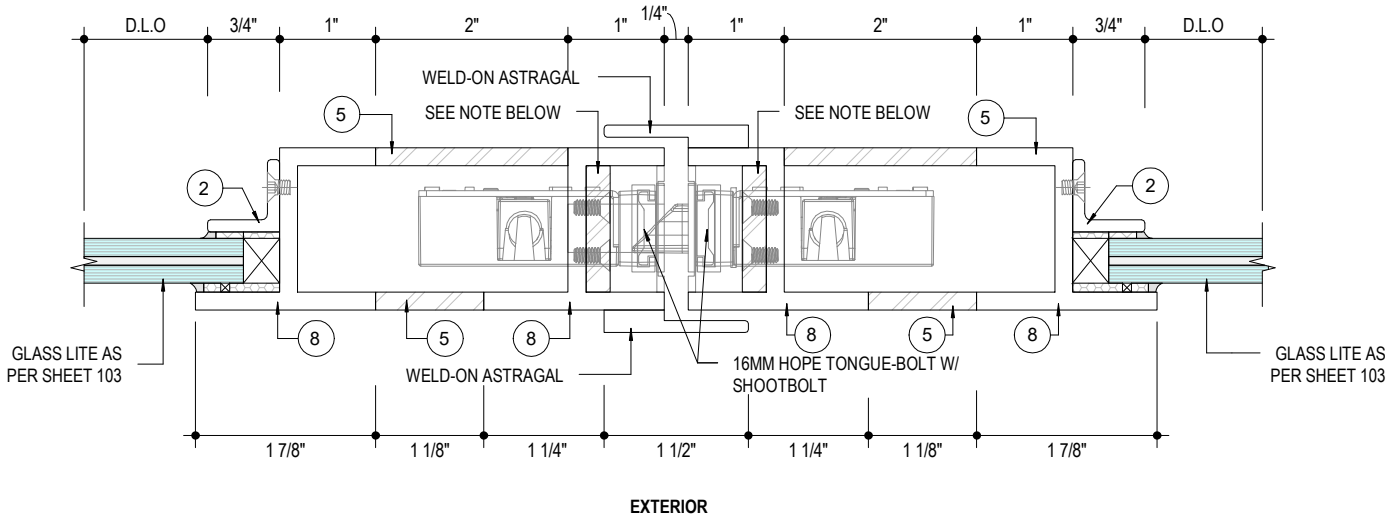


1
107
NON THERMALLY BROKEN - INTSWING DOOR HEAD AND SILL DETAIL
NOT TO SCALE



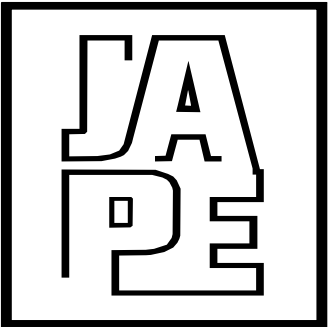
NOTE:
VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.

2
107
NON THERMALLY BROKEN - INSWING DOOR JAMB AND MEETING STILE DETAIL
NOT TO SCALE



NOTE:
• VERTICAL STEEL SUPPORTS WILL ONLY BE APPLICABLE FOR BRONZE AND ALUMINUM PROFILE.
• ANCHORS LAYOUT AS SHOWN ON SHEET 112CAN BE USED IN LIEU OF STRUCTURAL SILICON.

3
107
NON THERMALLY BROKEN - INSWING DOOR LOCK BOX DETAIL
NOT TO SCALE



JAVAD AHMAD PE, inc

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CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
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PROJECT :

OUTSWING/INSWING FRENCH
DOOR SYSTEM

CLIENT :

AMERICAN STEEL
MANUFACTURING, LLC

280 W. HILLSBORO BLVD /
DEERFIELD BEACH, FL 33441

REVISION

No.	DATE	BY	DESCRIPTION

Date: 02-26-2025

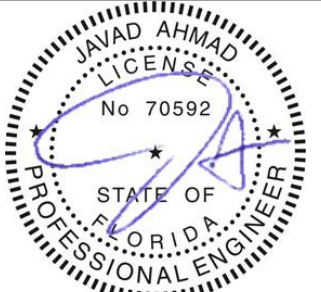
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Drawn by: SA

Check by: BS

Drawing no. JA-1582-23

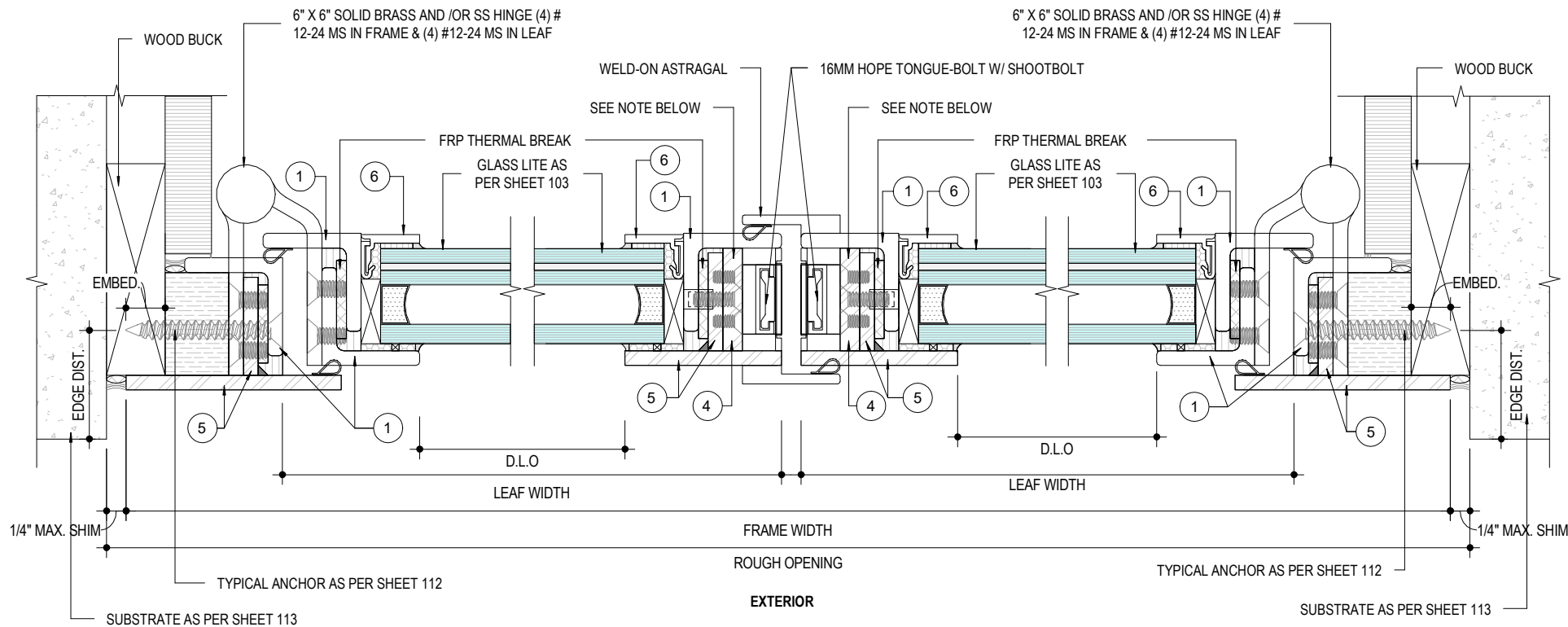
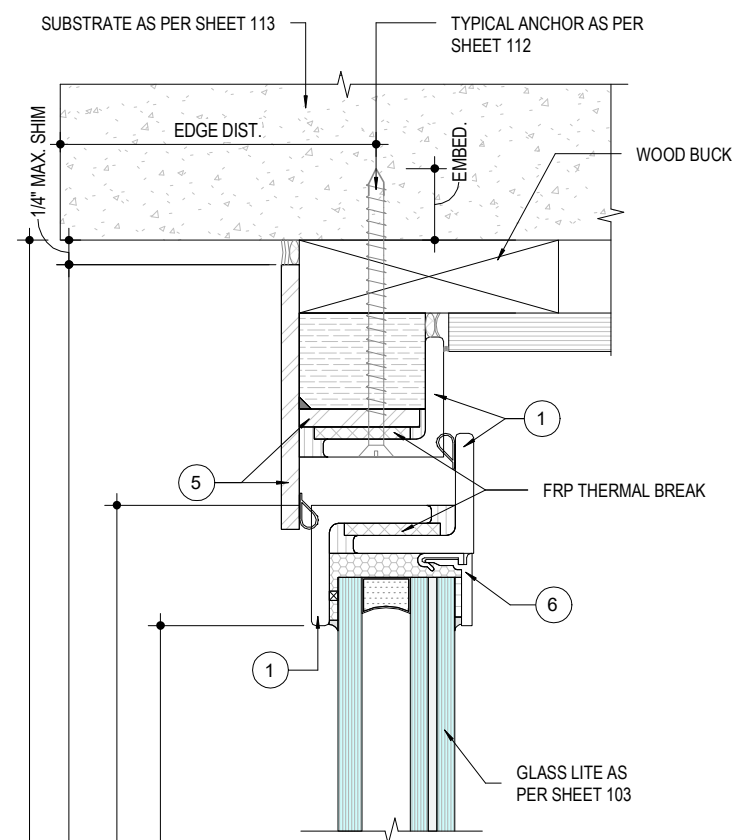
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



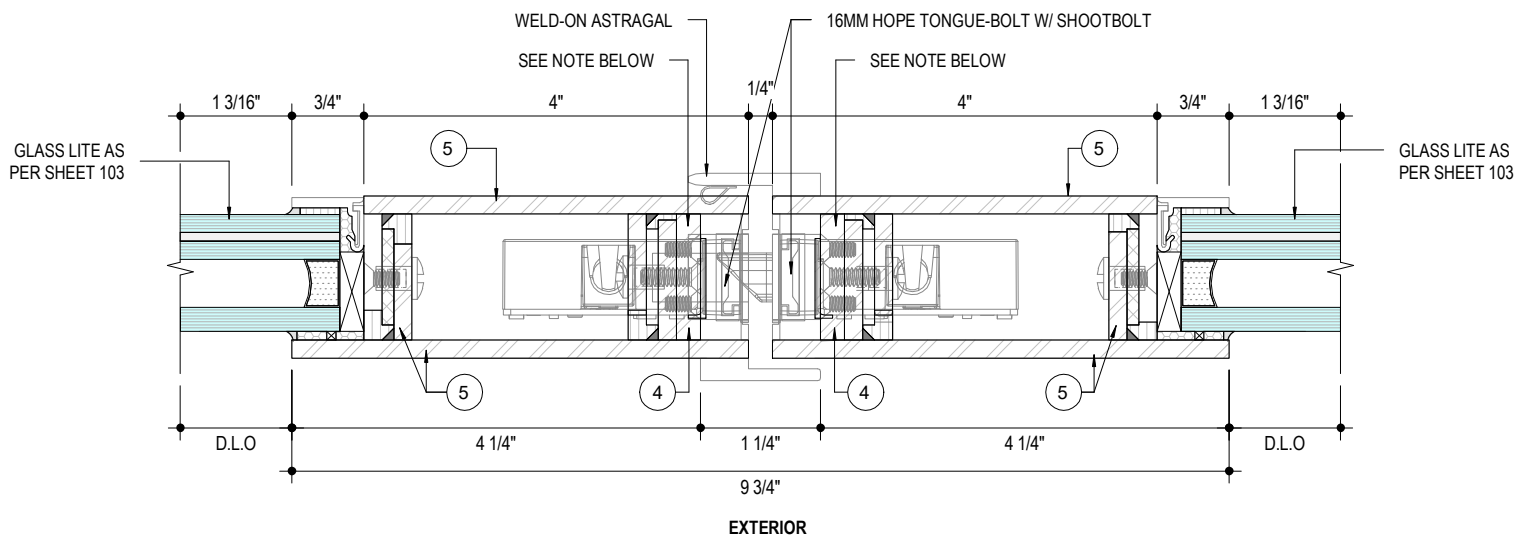
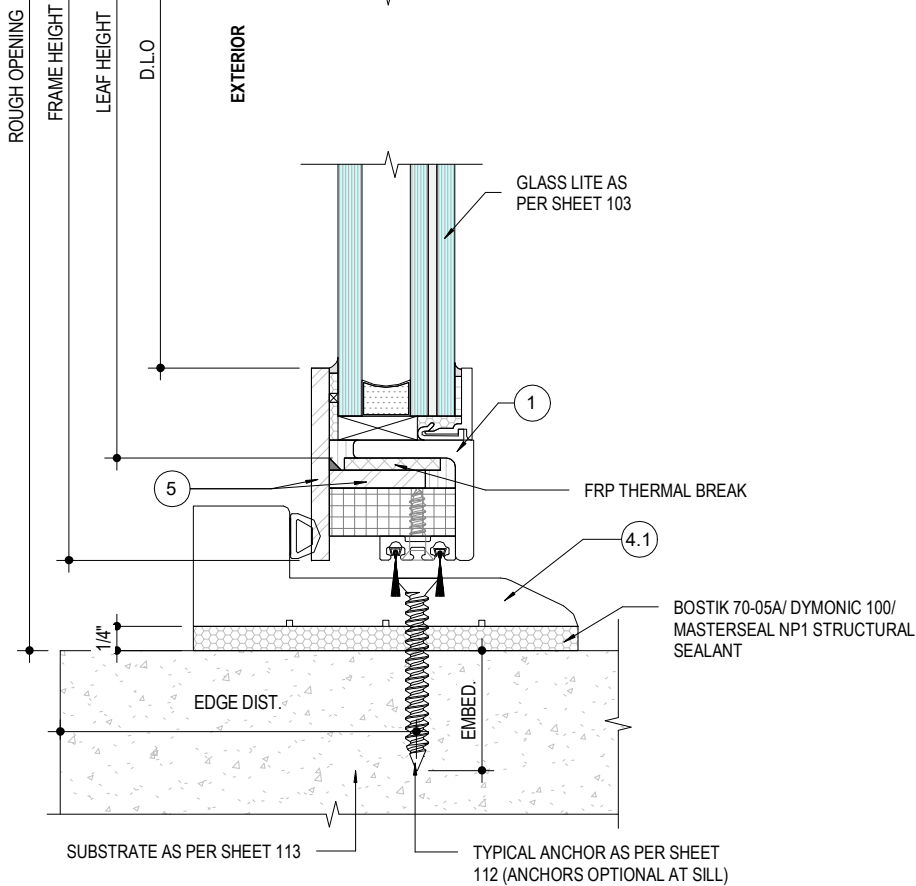
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SECTIONAL DETAILS - THERMALLY BROKEN

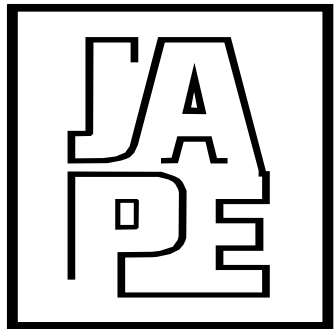
FL#47348.1



NOTE:
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NOTE:
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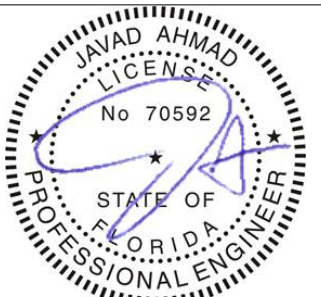
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Check by: BS

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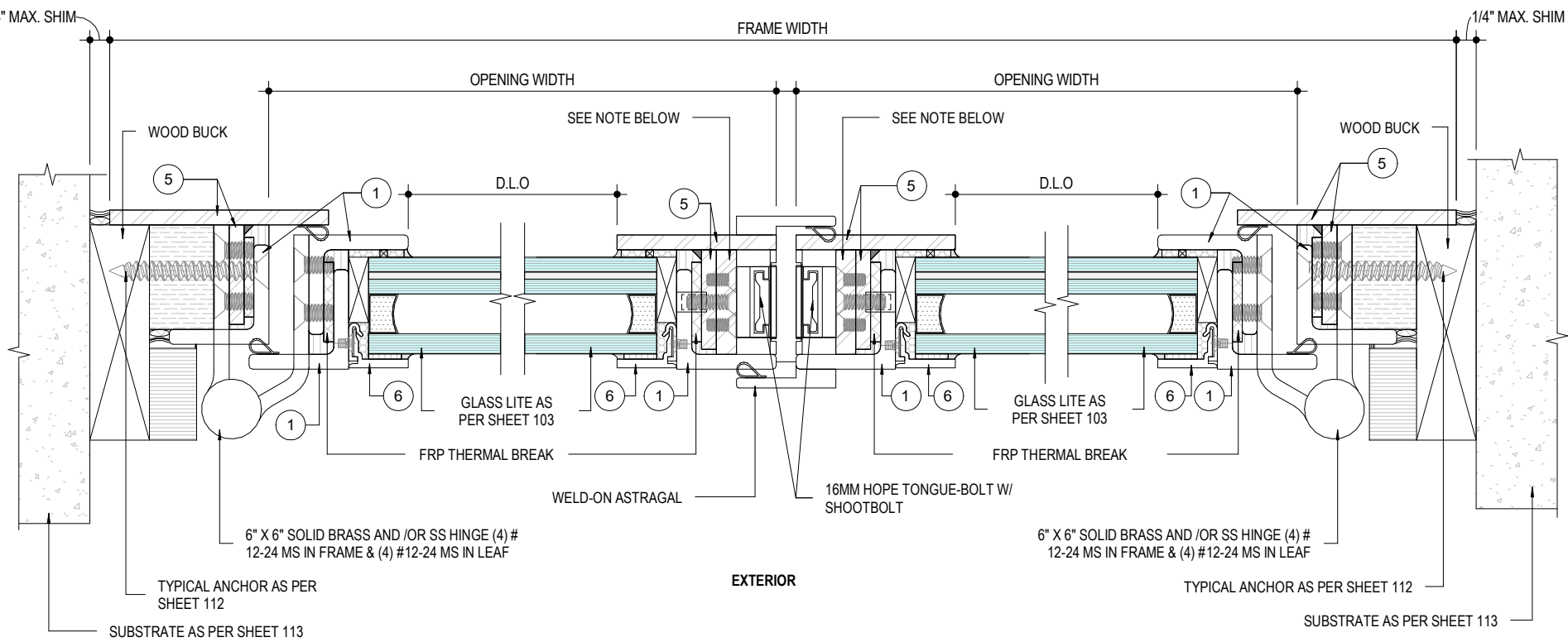
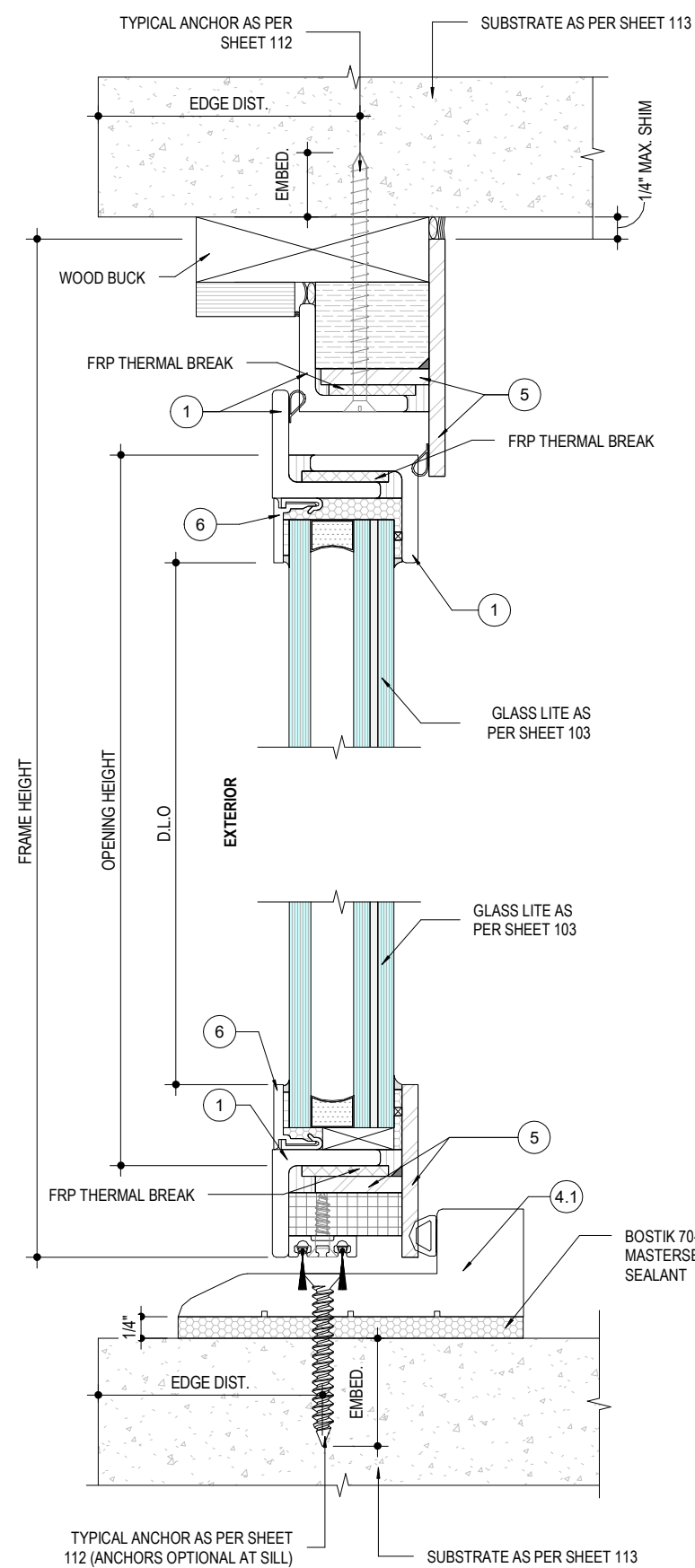
Eng: JAVAD AHMAD, PE
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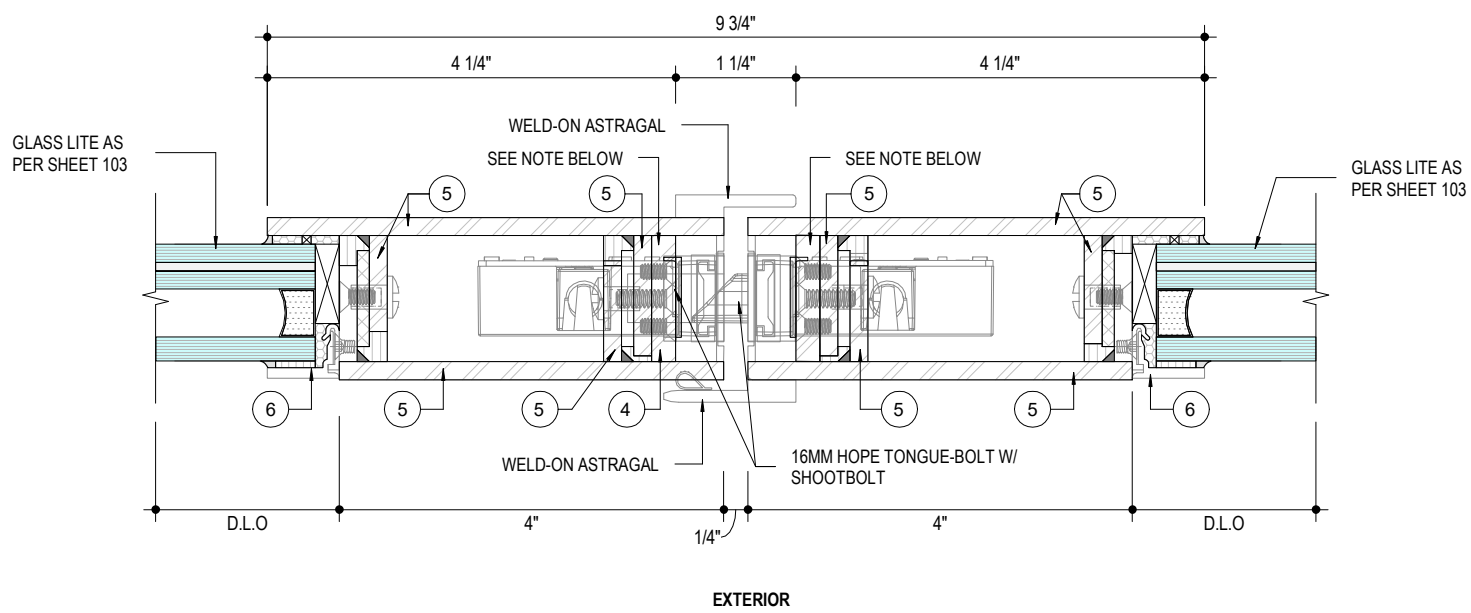
SECTIONAL DETAILS - THERMALLY BROKEN

FL#47348.1



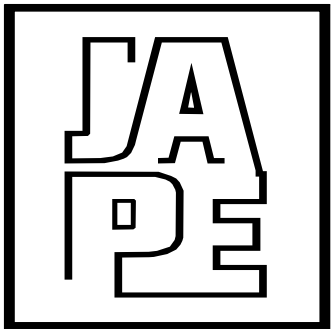
NOTE:
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2 THERMALLY BROKEN - ARCHED OUTSWING DOOR JAMB AND MEETING STILE DETAIL
109 NOT TO SCALE



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3 THERMALLY BROKEN - ARCHED OUTSWING DOOR LOCK BOX DETAIL
109 NOT TO SCALE



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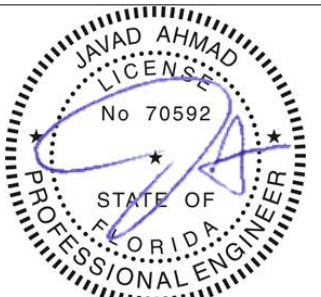
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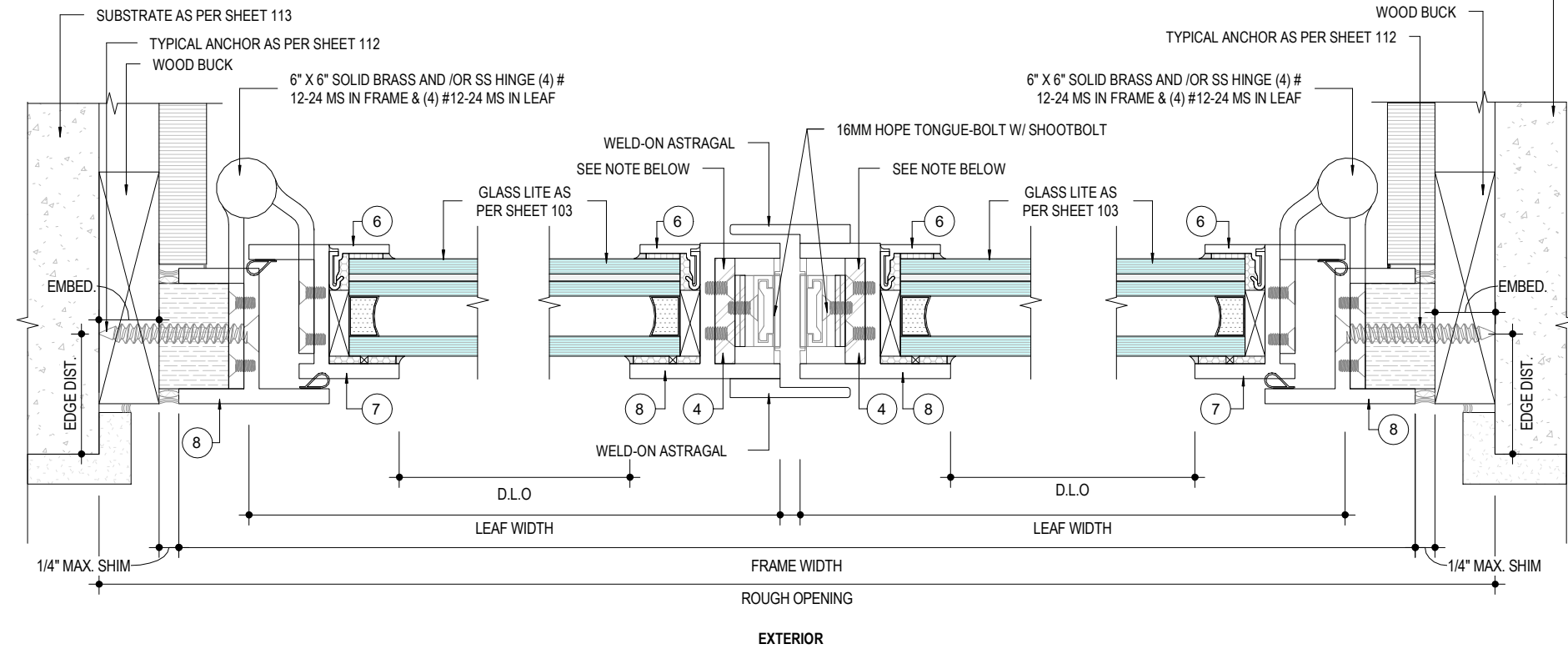
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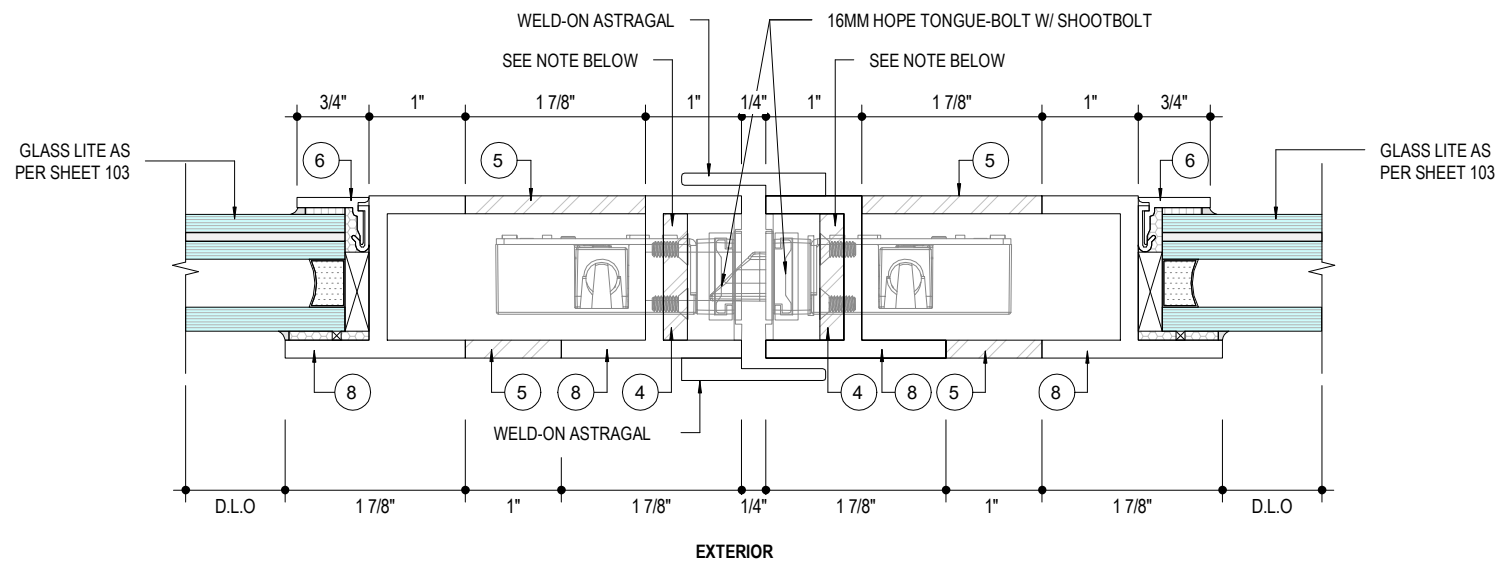
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2
110

NON THERMALLY BROKEN - ARCHED INSWING DOOR JAMB AND MEETING STILE DETAIL

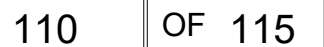
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3
110

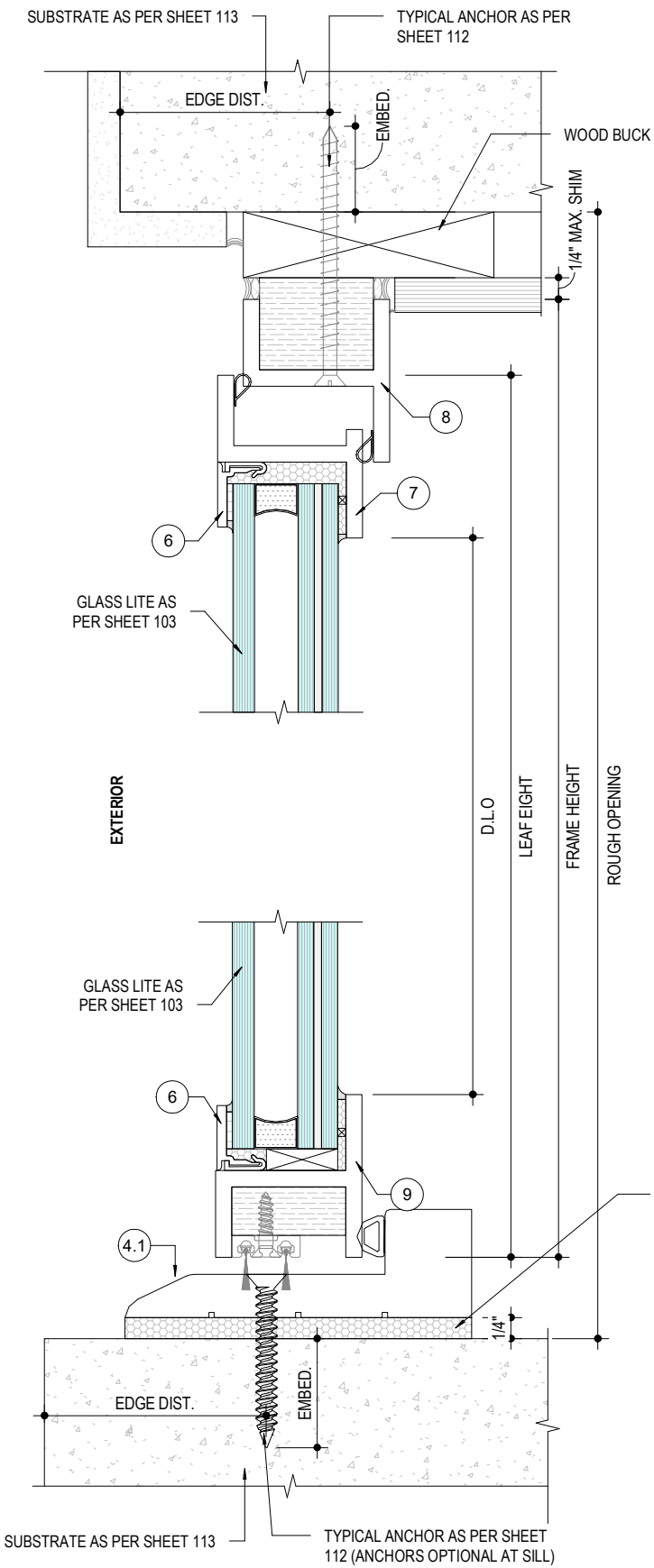
NON THERMALLY BROKEN - ARCHED INSWING DOOR LOCK BOX DETAIL

NOT TO SCALE

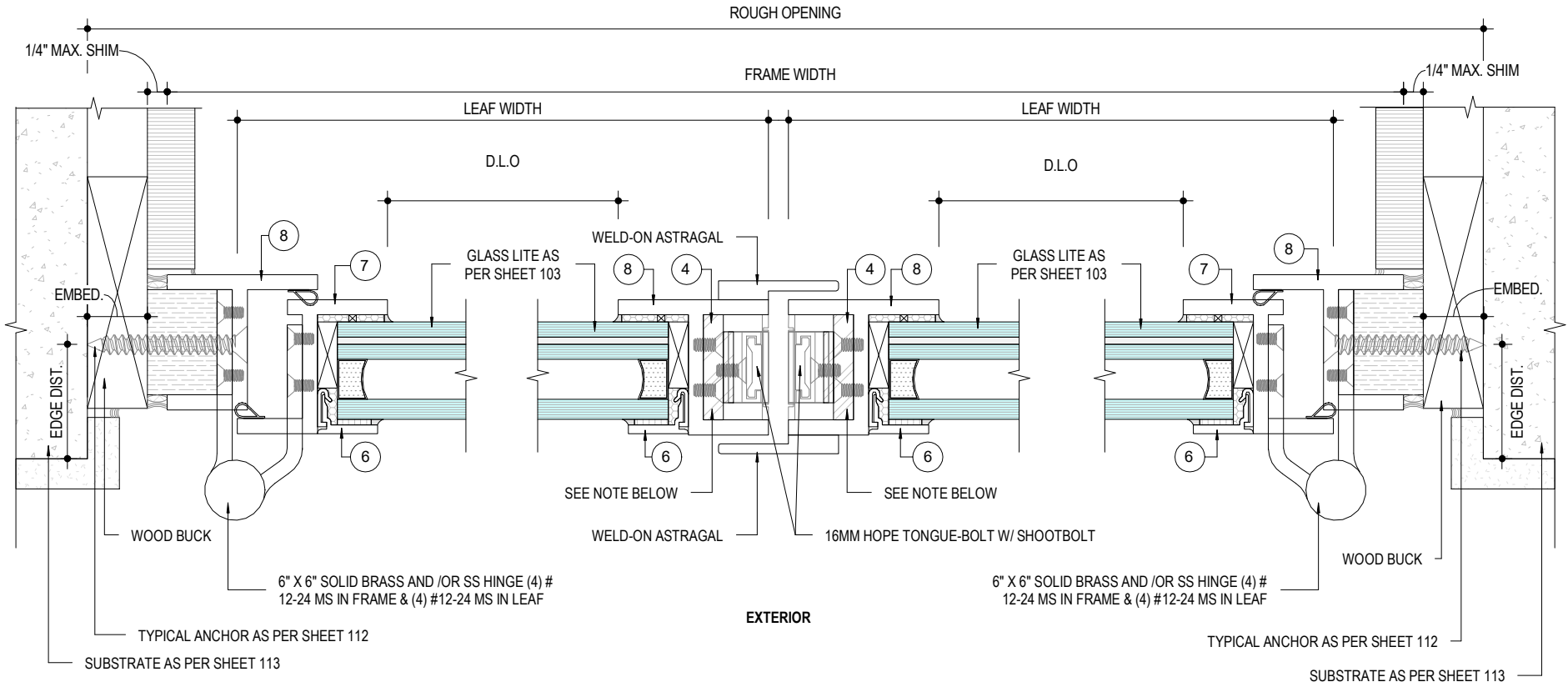


SECTIONAL DETAILS - NON THERMALLY BROKEN

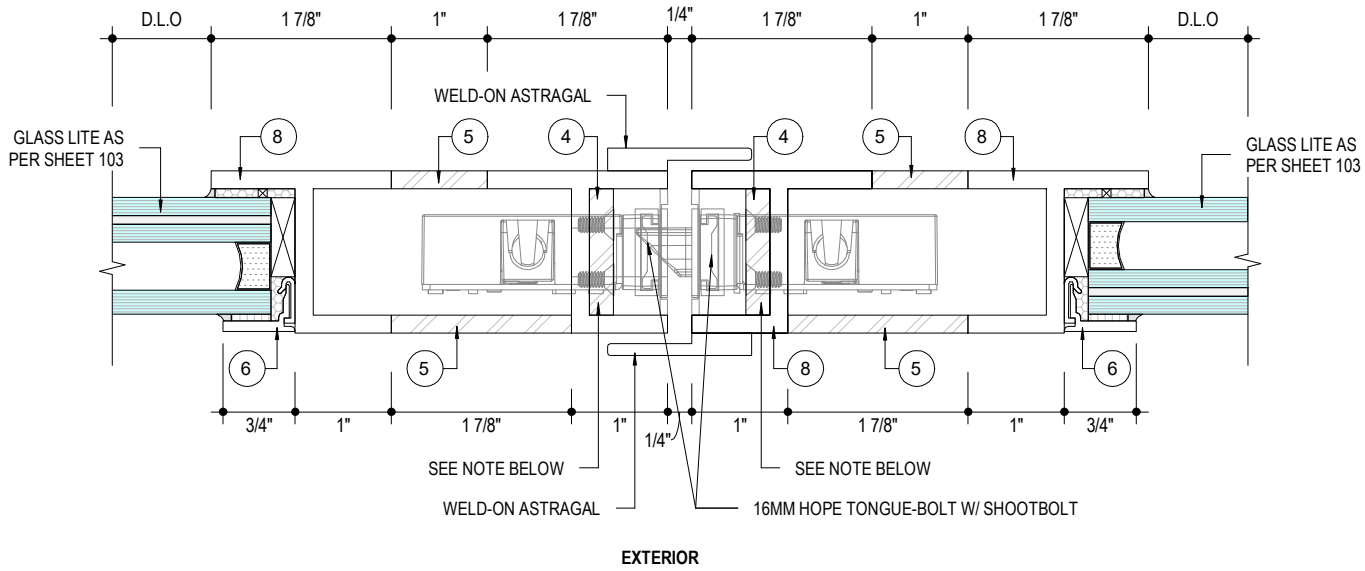
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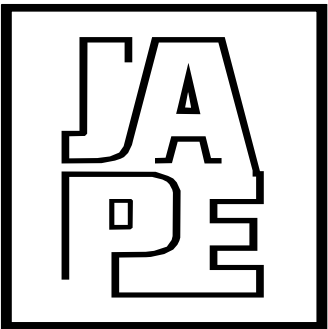
1
111
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NOT TO SCALE



2
111
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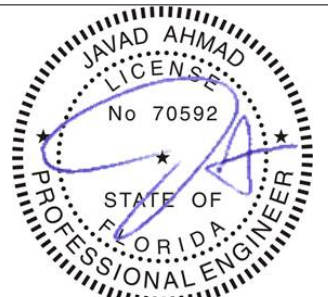
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Drawing no. JA-1582-23

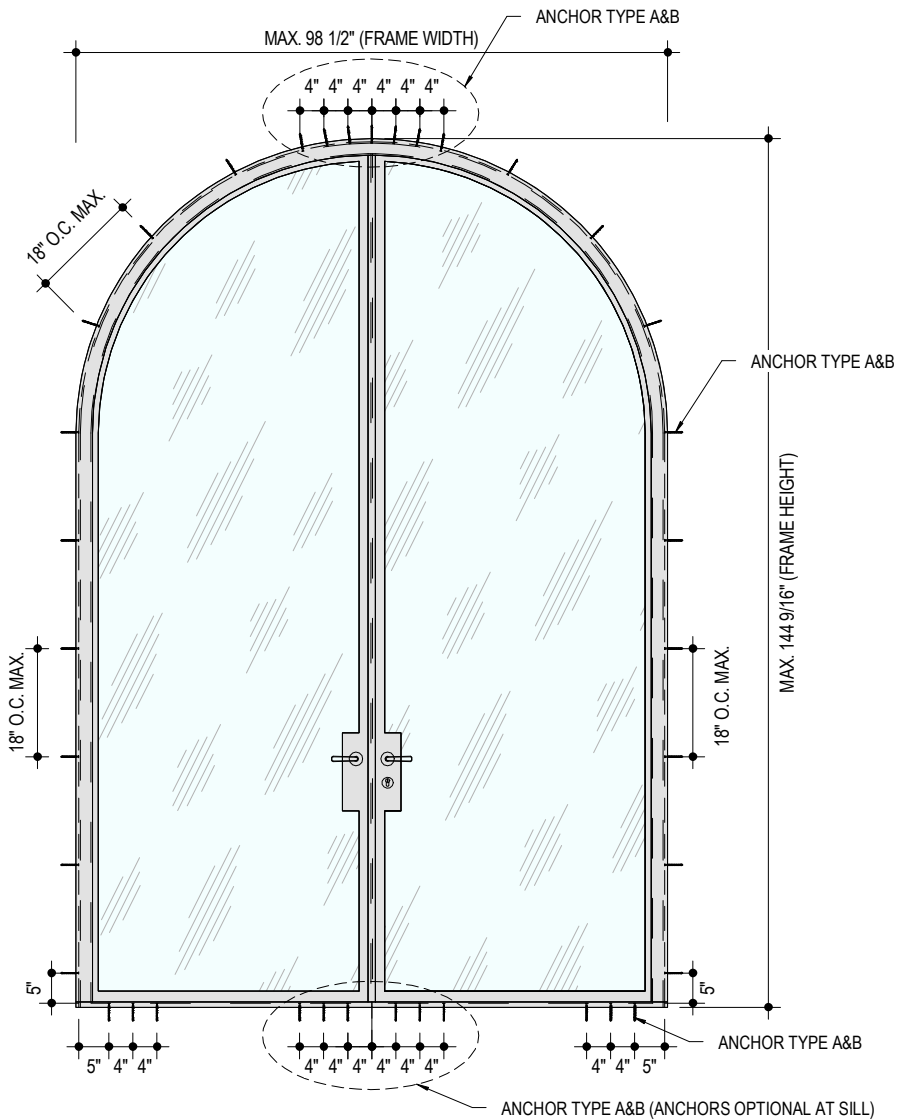
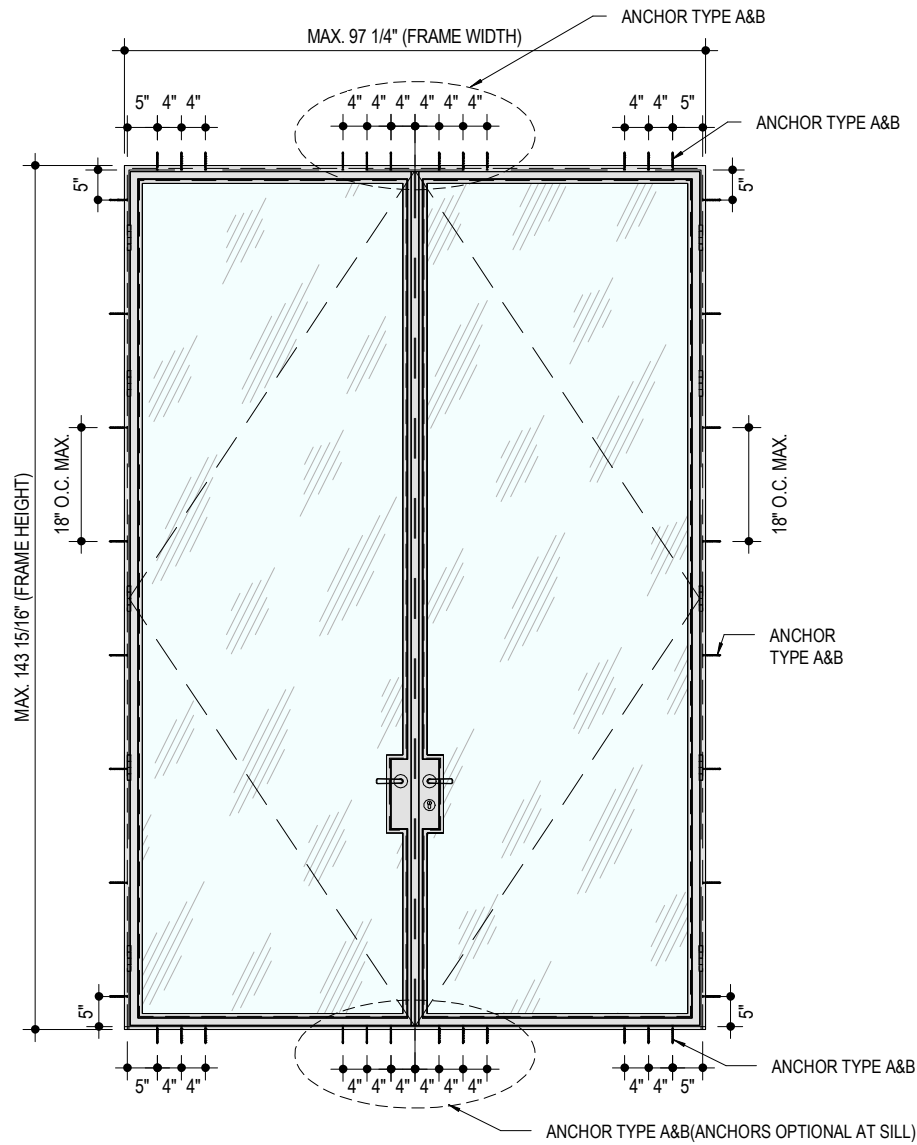
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ANCHORAGE LAYOUT

FL#47348.1



1 ANCHORAGE LAYOUT FRENCH DOOR
112 NOT TO SCALE

2 ANCHORAGE LAYOUT ARCHED DOOR
112 NOT TO SCALE

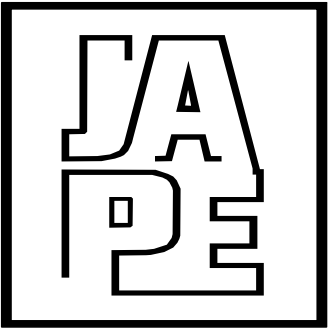
TYPICAL ANCHOR TYPES:

- TYPE A - 1/4" DEWALT ULTRACON+ (F_u = 177,000 PSI, F_y = 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 18" 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 18" 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.



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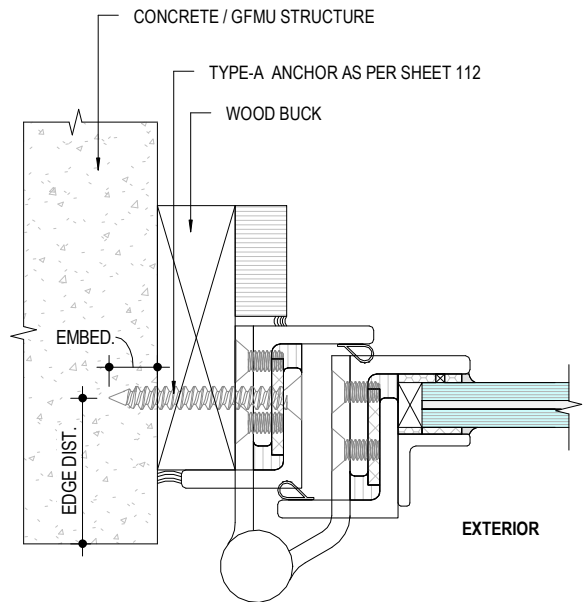
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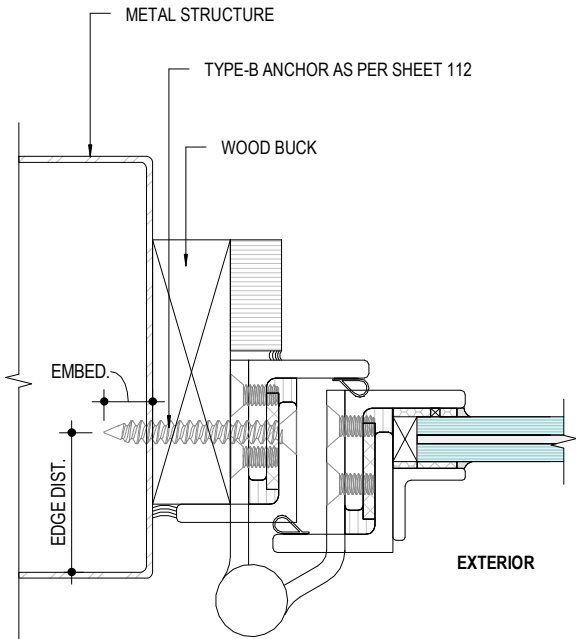
PROJECT :			
OUTSWING/INSWING FRENCH DOOR SYSTEM			
CLIENT :			
AMERICAN STEEL MANUFACTURING, LLC			
280 W. HILLSBORO BLVD / DEERFIELD BEACH, FL 33441			
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SEALED: 02-26-2025			
112		OF 115	

ANCHORAGE DETAIL

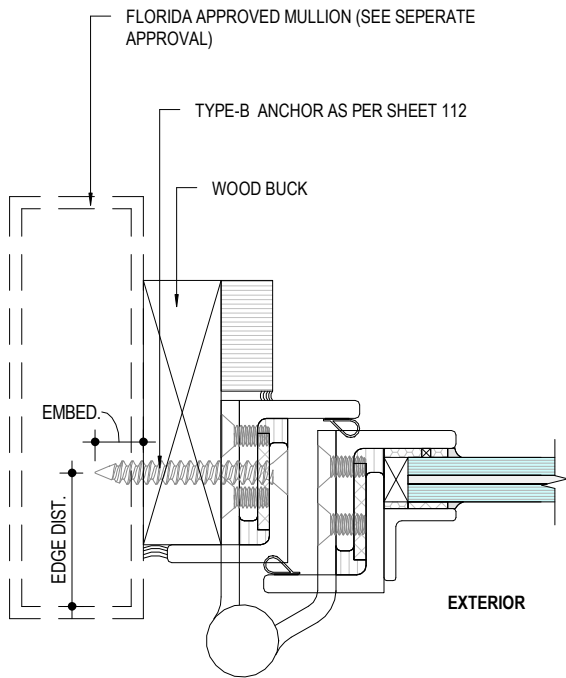
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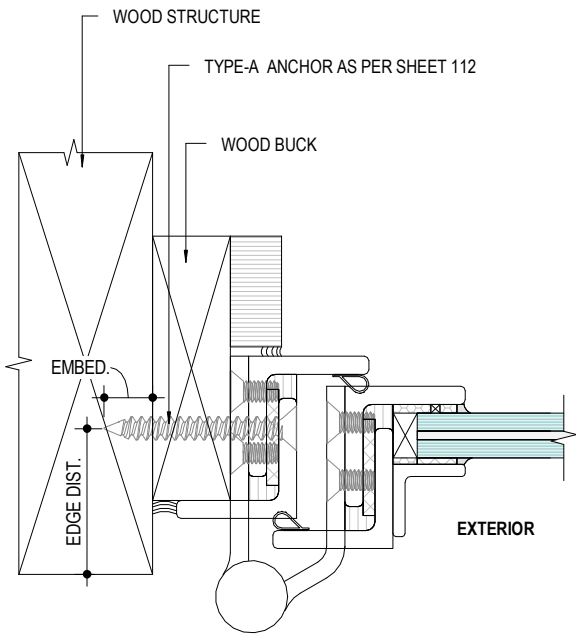
1 ANCHORAGE INTO CONCRETE
113 NOT TO SCALE



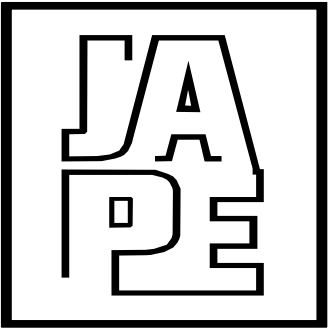
2 ANCHORAGE INTO METAL STRUCTURE
113 NOT TO SCALE



3 ANCHORAGE INTO ALUMINUM MULLION
113 NOT TO SCALE



4 ANCHORAGE INTO WOOD STRUCTURE
113 NOT TO SCALE



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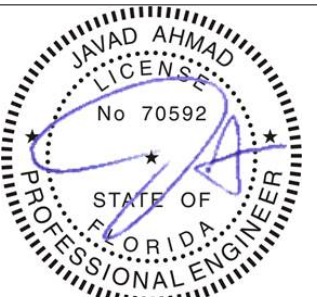
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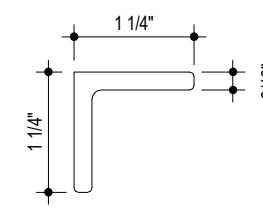
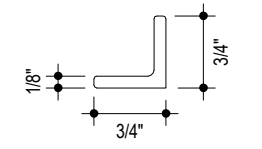
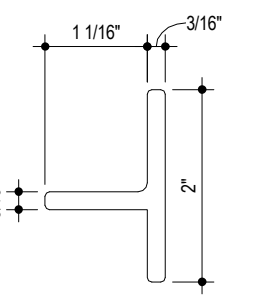
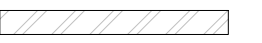
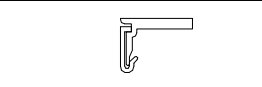
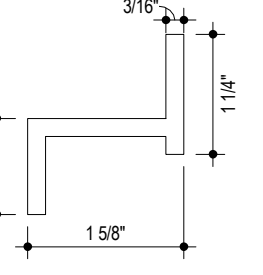
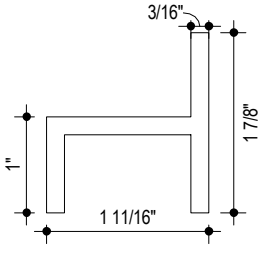
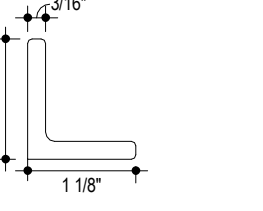
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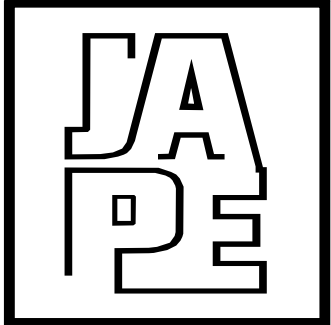
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PART LIST			FL#47348.1																																																																																																																																																																																																																																		
 1 CUSTOM ANGLE	 2 GLAZING STOP ANGLE, TYP	<table><tr><th colspan="5">BILL OF MATERIAL</th></tr><tr><th>ITEM #</th><th>REQUIREMENT</th><th>PART #</th><th>DESCRIPTION</th><th>MATERIAL</th></tr><tr><td colspan="5">METAL</td></tr><tr><td>1</td><td>AS REQD.</td><td>-</td><td>(1-1/4" X 1-1/4" X 3/16") CUSTOM ANGLE</td><td>BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316</td></tr><tr><td>2</td><td>AS REQD.</td><td>-</td><td>(3/4" X 3/4" X 1/8") COSTUM ANGLE</td><td>BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316</td></tr><tr><td>3</td><td>AS REQD.</td><td>-</td><td>(1-1/16" X 2" X 3/16") CUSTOM ANGLE</td><td>BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316</td></tr><tr><td>4</td><td>AS REQD.</td><td>-</td><td>1/4" FLAT STEEL BAR</td><td>BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316</td></tr><tr><td>5</td><td>AS REQD.</td><td>-</td><td>3/16" FLAT STEEL BAR</td><td>BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316</td></tr><tr><td>6</td><td>AS REQD.</td><td>-</td><td>CUSTOM SNAP APPLIED GLAZING STOP</td><td>BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316</td></tr><tr><td>7</td><td>AS REQD.</td><td>-</td><td>LL1 (CUSTOM PROFILE BY MANUFACTURER)</td><td>BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316</td></tr><tr><td>8</td><td>AS REQD.</td><td>-</td><td>ELL (CUSTOM PROFILE BY MANUFACTURER)</td><td>BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316</td></tr><tr><td>9</td><td>AS REQD.</td><td>-</td><td>(1-1/4" X 1-1/8" X 3/16") CUSTOM ANGLE</td><td>BRONZE-C385 / ALUMINUM-6061 / STAINLESS STEEL-316</td></tr><tr><td colspan="5">FASTENERS</td></tr><tr><td>2.0</td><td>AS REQD.</td><td>-</td><td>1/4" - 20 X 1/2" FLAT HEAD PHILLIPS</td><td>SS</td></tr><tr><td>2.1</td><td>AS REQD.</td><td>-</td><td>1/4" - 20 X 3/8" FLAT HEAD PHILLIPS</td><td>SS</td></tr><tr><td>2.2</td><td>AS REQD.</td><td>-</td><td>#14 SS FLAT HEAD PHILLIPS</td><td>SS</td></tr><tr><td>2.3</td><td>AS REQD.</td><td>99637A183</td><td>18-8 SS BINDING BARREL</td><td>SS</td></tr><tr><td>2.4</td><td>AS REQD.</td><td>91771A241</td><td>PASSIVATED 18-8 SS PHILLIPS FLAT HEAD SCREW</td><td>SS</td></tr><tr><td>2.5</td><td>AS REQD.</td><td>-</td><td>#14 X 4" SS FLAT HEAD PHILLIPS WOOD SCREW</td><td>SS</td></tr><tr><td colspan="5">CAULKING</td></tr><tr><td>3.0</td><td>AS REQD.</td><td>-</td><td>LAZER BLOCK SEAL</td><td>-</td></tr><tr><td>3.1</td><td>AS REQD.</td><td>-</td><td>PRO MS-50 WHITE</td><td>-</td></tr><tr><td>3.2</td><td>AS REQD.</td><td>-</td><td>DOW 995 - BLACK</td><td>-</td></tr><tr><td>3.3</td><td>AS REQD.</td><td>-</td><td>DOW 795 - BLACK</td><td>-</td></tr><tr><td>3.4</td><td>AS REQD.</td><td>-</td><td>3/8" CLOSED CELL BACKER ROD</td><td>-</td></tr><tr><td>3.5</td><td>AS REQD.</td><td>-</td><td>1/8" X 1/8" X 3" GLAZING SHIM</td><td>-</td></tr><tr><td>3.6</td><td>AS REQD.</td><td>-</td><td>3/8" X 9/16" X 3" SETTING BLOCK (CUSTOM)</td><td>-</td></tr><tr><td>3.7</td><td>AS REQD.</td><td>-</td><td>3/8" X 1-1/4" X 3" SETTING BLOCK (CUSTOM)</td><td>-</td></tr><tr><td>3.8</td><td>AS REQD.</td><td>-</td><td>GLAZING TAPE</td><td>-</td></tr><tr><td>3.9</td><td>AS REQD.</td><td>-</td><td>GLAZING WEDGE</td><td>-</td></tr><tr><td>3.10</td><td>AS REQD.</td><td>-</td><td>FRP</td><td>-</td></tr><tr><td>3.11</td><td>AS REQD.</td><td>PK55</td><td>TAPE APPLIED GASKET</td><td>-</td></tr><tr><td>3.12</td><td>AS REQD.</td><td>-</td><td>BOSTIK 70-05A ADHEVIVE</td><td>SILYL MODIFIED POLYMER</td></tr><tr><td>3.13</td><td>AS REQD.</td><td>-</td><td>TREMCO DYMONIC 100 SEALANT</td><td>POLYURETHANE</td></tr><tr><td>3.14</td><td>AS REQD.</td><td>-</td><td>MASTERSEAL NP 1 SEALANT</td><td>POLYURETHANE</td></tr><tr><td colspan="5">HARDWARE</td></tr><tr><td>4.0</td><td>AS REQD.</td><td>T4B3786</td><td>CUSTOM 6" X 6" HINGE</td><td>SS</td></tr><tr><td>4.1</td><td>AS REQD.</td><td>93085K345</td><td>ASM THRESHOLD STOP</td><td>ALUMINUM</td></tr><tr><td>4.2</td><td>AS REQD.</td><td>DSB4B3</td><td>4" x 4" SQUARE HINGES BALL BEARINGS</td><td>SOLID BRASS</td></tr><tr><td>4.3</td><td>AS REQD.</td><td>-</td><td>ADJUSTABLE HINGE</td><td>SOLID BRASS</td></tr><tr><td>4.4</td><td>AS REQD.</td><td>254</td><td>HALF-SADDLE THERSHOLD</td><td>-</td></tr><tr><td>4.5</td><td>AS REQD.</td><td>-</td><td>MULTIPLE POINT HARDWEAR WITH XX OC LOCKS AS PER FL APPROVAL</td><td>-</td></tr><tr><td>4.6</td><td>AS REQD.</td><td>-</td><td>LEVER SET</td><td>-</td></tr><tr><td>4.7</td><td>AS REQD.</td><td>TBD</td><td>BOTTOM DOOR SEAL - 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20 X 1/2" FLAT HEAD PHILLIPS	SS	2.1	AS REQD.	-	1/4" - 20 X 3/8" FLAT HEAD PHILLIPS	SS	2.2	AS REQD.	-	#14 SS FLAT HEAD PHILLIPS	SS	2.3	AS REQD.	99637A183	18-8 SS BINDING BARREL	SS	2.4	AS REQD.	91771A241	PASSIVATED 18-8 SS PHILLIPS FLAT HEAD SCREW	SS	2.5	AS REQD.	-	#14 X 4" SS FLAT HEAD PHILLIPS WOOD SCREW	SS	CAULKING					3.0	AS REQD.	-	LAZER BLOCK SEAL	-	3.1	AS REQD.	-	PRO MS-50 WHITE	-	3.2	AS REQD.	-	DOW 995 - BLACK	-	3.3	AS REQD.	-	DOW 795 - BLACK	-	3.4	AS REQD.	-	3/8" CLOSED CELL BACKER ROD	-	3.5	AS REQD.	-	1/8" X 1/8" X 3" GLAZING SHIM	-	3.6	AS REQD.	-	3/8" X 9/16" X 3" SETTING BLOCK (CUSTOM)	-	3.7	AS REQD.	-	3/8" X 1-1/4" X 3" SETTING BLOCK (CUSTOM)	-	3.8	AS REQD.	-	GLAZING TAPE	-	3.9	AS REQD.	-	GLAZING WEDGE	-	3.10	AS REQD.	-	FRP	-	3.11	AS REQD.	PK55	TAPE APPLIED GASKET	-	3.12	AS REQD.	-	BOSTIK 70-05A ADHEVIVE	SILYL MODIFIED POLYMER	3.13	AS REQD.	-	TREMCO DYMONIC 100 SEALANT	POLYURETHANE	3.14	AS REQD.	-	MASTERSEAL NP 1 SEALANT	POLYURETHANE	HARDWARE					4.0	AS REQD.	T4B3786	CUSTOM 6" X 6" HINGE	SS	4.1	AS REQD.	93085K345	ASM THRESHOLD STOP	ALUMINUM	4.2	AS REQD.	DSB4B3	4" x 4" SQUARE HINGES BALL BEARINGS	SOLID BRASS	4.3	AS REQD.	-	ADJUSTABLE HINGE	SOLID BRASS	4.4	AS REQD.	254	HALF-SADDLE THERSHOLD	-	4.5	AS REQD.	-	MULTIPLE POINT HARDWEAR WITH XX OC LOCKS AS PER FL APPROVAL	-	4.6	AS REQD.	-	LEVER SET	-	4.7	AS REQD.	TBD	BOTTOM DOOR SEAL - 8LF	-	4.8	AS REQD.	-	PEMKO BRUSH STRIP	-
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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 :

OUTSWING/INSWING FRENCH DOOR SYSTEM

CLIENT :

AMERICAN STEEL MANUFACTURING, LLC

280 W. HILLSBORO BLVD /
DEERFIELD BEACH, FL 33441

REVISION

No.	DATE	BY	DESCRIPTION

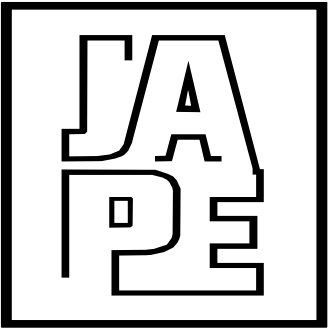
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Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



SEALED: 02-26-2025

114	OF 115
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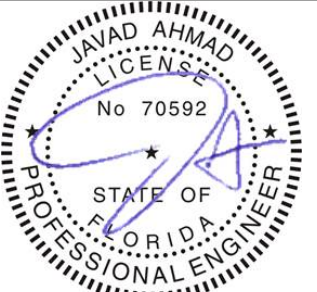
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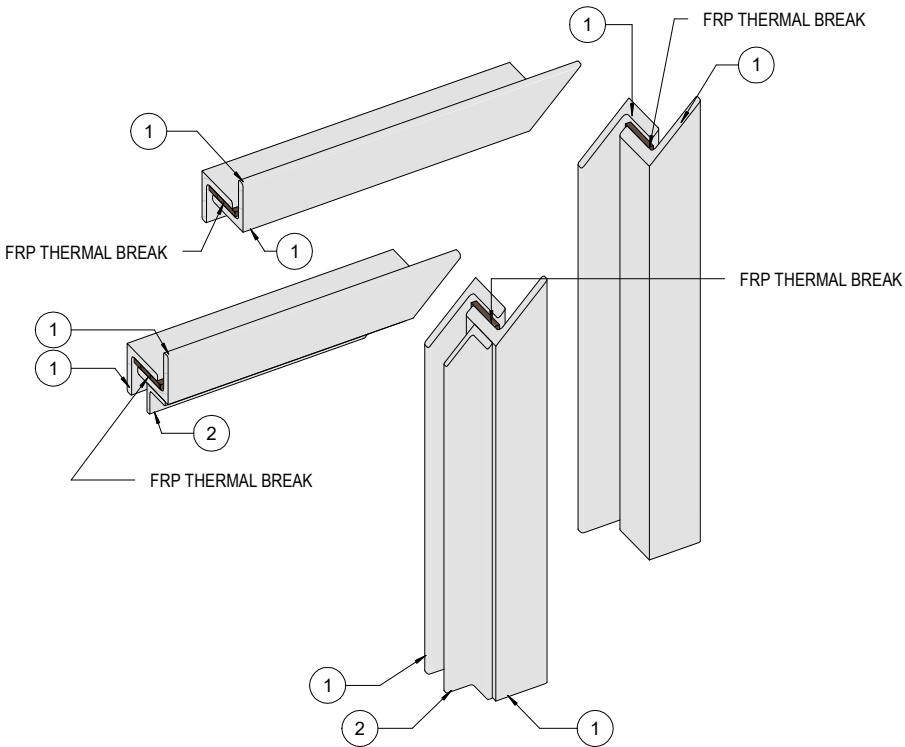
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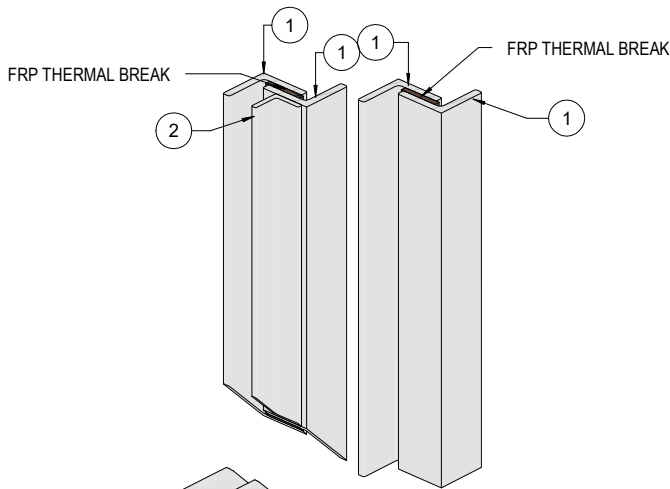


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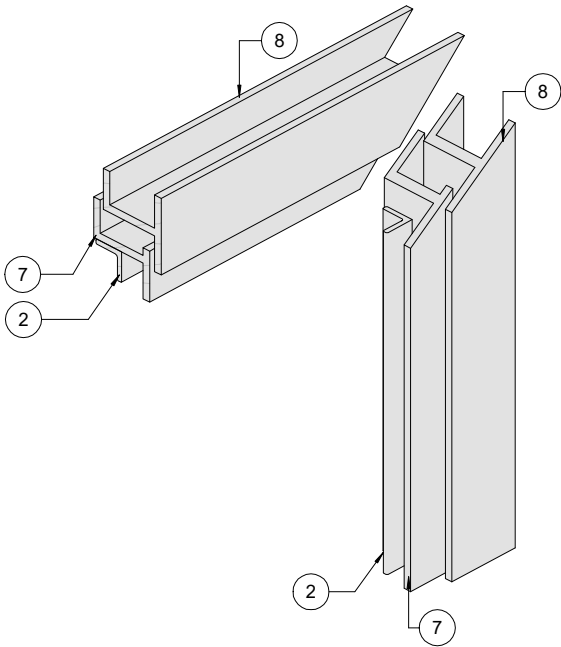
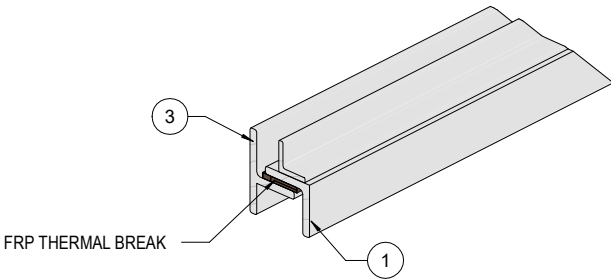
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THERMALLY BROKEN - TOP CORNER FRAME ASSEMBLY DETAILS
NOT TO SCALE



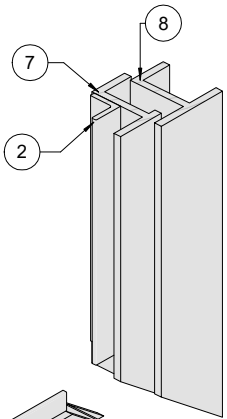
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THERMALLY BROKEN - BOTTOM CORNER FRAME ASSEMBLY DETAILS
NOT TO SCALE



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NON-THERMALLY BROKEN TOP CORNER FRAME ASSEMBLY DETAILS
NOT TO SCALE



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NON-THERMALLY BROKEN BOTTOM CORNER FRAME ASSEMBLY DETAILS
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