

FACIEM VITRIUM
HS2550 FRENCH DOOR SYSTEM
LARGE MISSILE IMPACT LEVEL D

GENERAL NOTES:

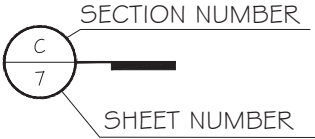
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION FBC (2023)/9TH EDITION FBC (2026) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS ARE RATED FOR LARGE MISSILE IMPACT. LARGE MISSILE IMPACT USED FOR INSTALLATIONS UP TO 30 FT OF GRADE. IMPACT SHUTTERS ARE NOT REQUIRED.
- THESE DOORS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION FBC (2023)/9TH EDITION FBC (2026) SECTION AS APPLICABLE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.
- ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION SEALED WITH SILICONE SEALANT.
- HARDWARE CHECKED FOR WIND LOAD IN CLOSED POSITION ONLY; OPERATION PER MANUFACTURER'S INSTRUCTIONS. DOORS MUST BE CLOSED AND SECURED WHEN A HURRICANE WARNING IS ISSUED.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.1.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

USE CHARTS AS FOLLOWS.

- | | |
|----------------|--|
| <u>STEP 1:</u> | DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD. |
| <u>STEP 2:</u> | SEE SHEET G I FOR GLASS TYPES. |
| <u>STEP 3:</u> | SEE SHEET E I TO E3 FOR TYPICAL EXTERIOR ELEVATION AND CAPACITIES. |
| <u>STEP 4:</u> | ANCHOR OPTIONS SEE SHEET A I . |
| <u>STEP 5:</u> | THE LOWEST VALUE RESULTING FROM STEPS 2, 3, AND 4 SHALL APPLY TO ENTIRE SYSTEM. |

ABBREVIATIONS AND SYMBOLS

G.B. - GLASS BITE
D.L.O. - DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER
OPP.- OPPOSITE

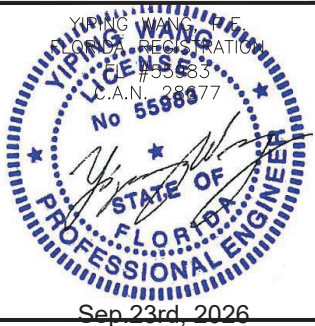


LIMITATIONS OF USE

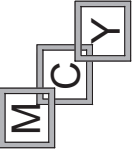
- A. THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- B. CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THE PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- C. THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- D. SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
- E. THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FLORIDA APPROVAL:

FL47884.1



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HS2550 FRENCH DOOR SYSTEM - L.M.I.

FACIEM VITRIUM
14260 SW STREET #101

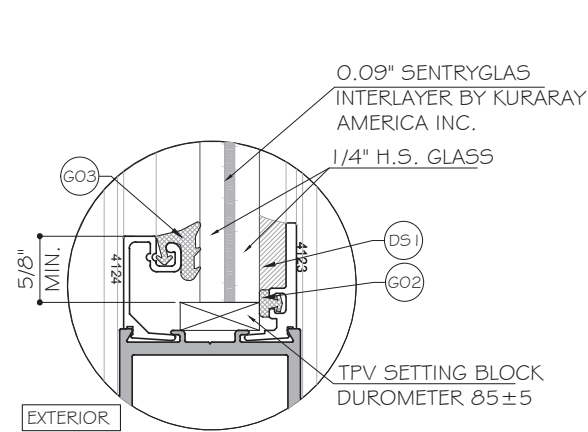
MIAMI FL, 33186
PHONE: (305)256-9390 FAX: (305)256-9970

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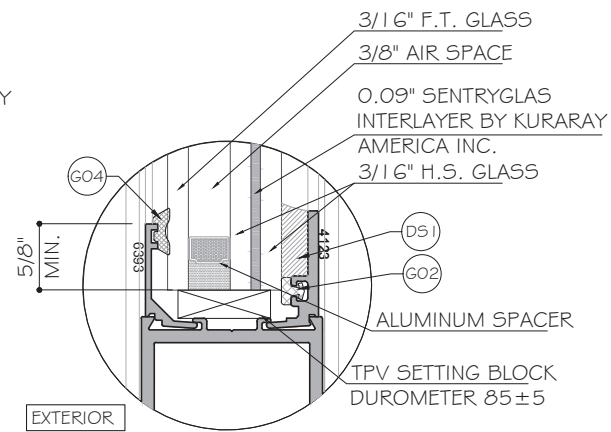
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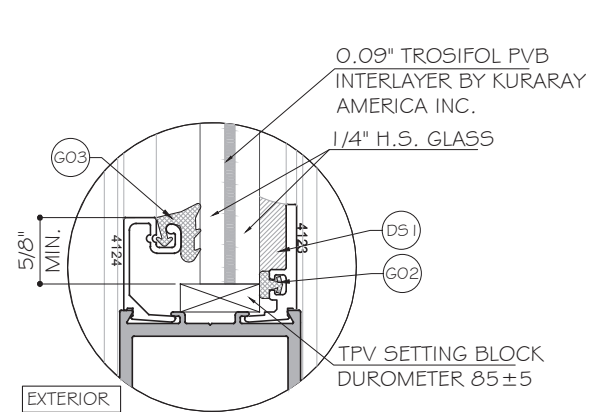
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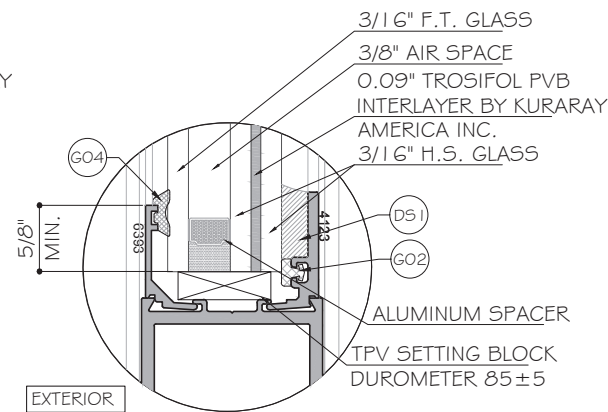
G1 GLASS TYPE 'G1'
9/16" NOMINAL OVERALL



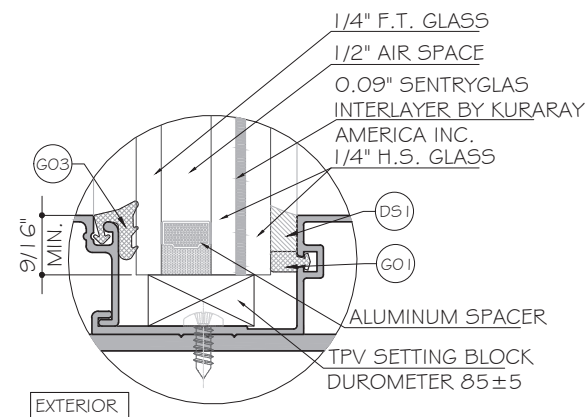
G2 GLASS TYPE 'G2'
1 1/16" NOMINAL OVERALL



G3 GLASS TYPE 'G3'
9/16" NOMINAL OVERALL



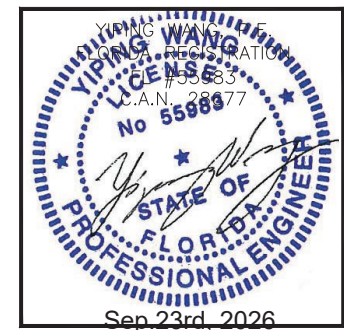
G4 GLASS TYPE 'G4'
1 1/16" NOMINAL OVERALL



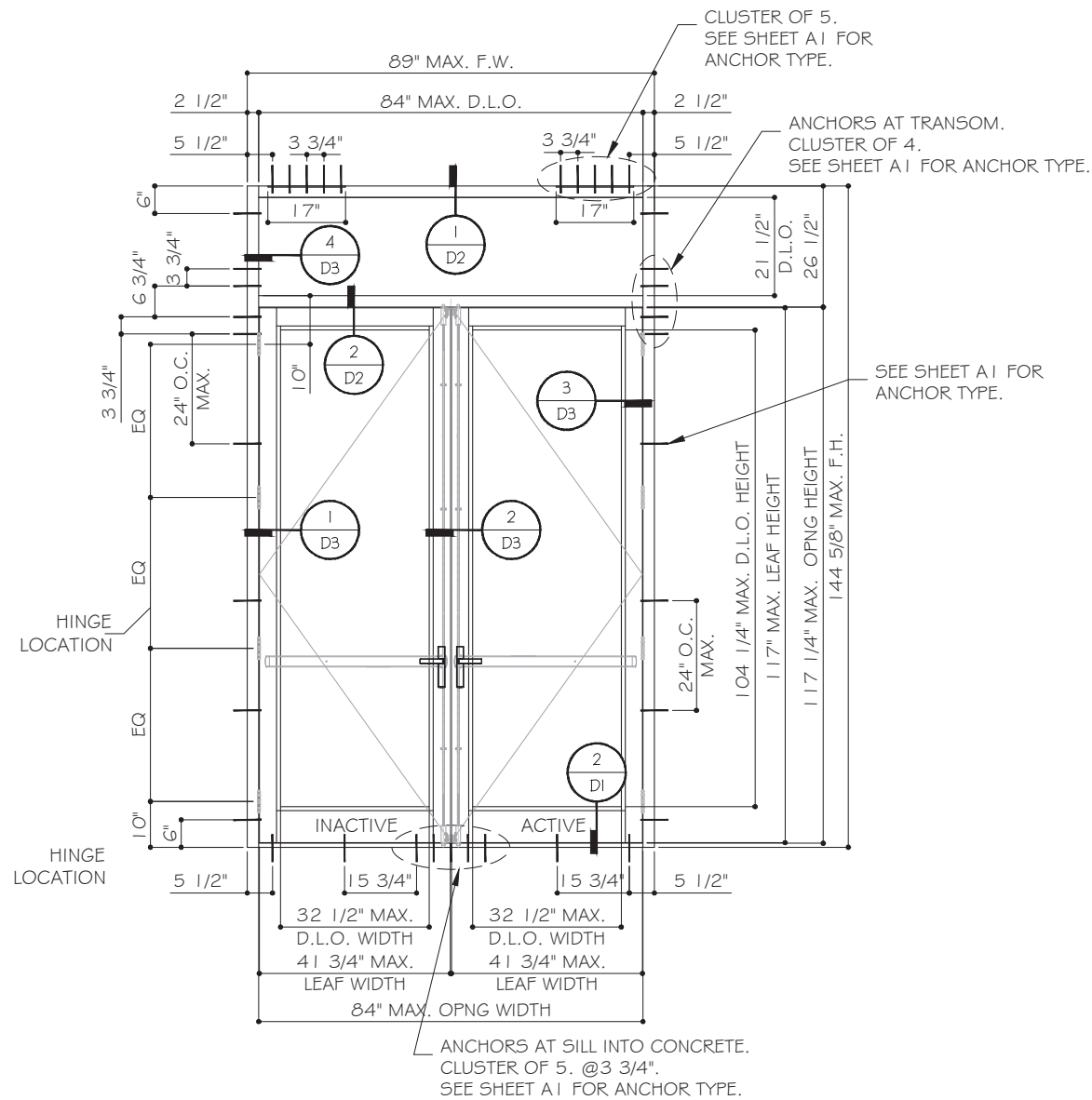
G5 GLASS TYPE 'G5'
9/16" NOMINAL OVERALL
ONLY FOR TRANSOM

NOTE:
ALL GLASS COMPLY WITH ASTM E 1300-16
OR 24 (3 SEC. GUSTS). GLASS G1 & G2
COMPLY WITH ANSI Z97.1.

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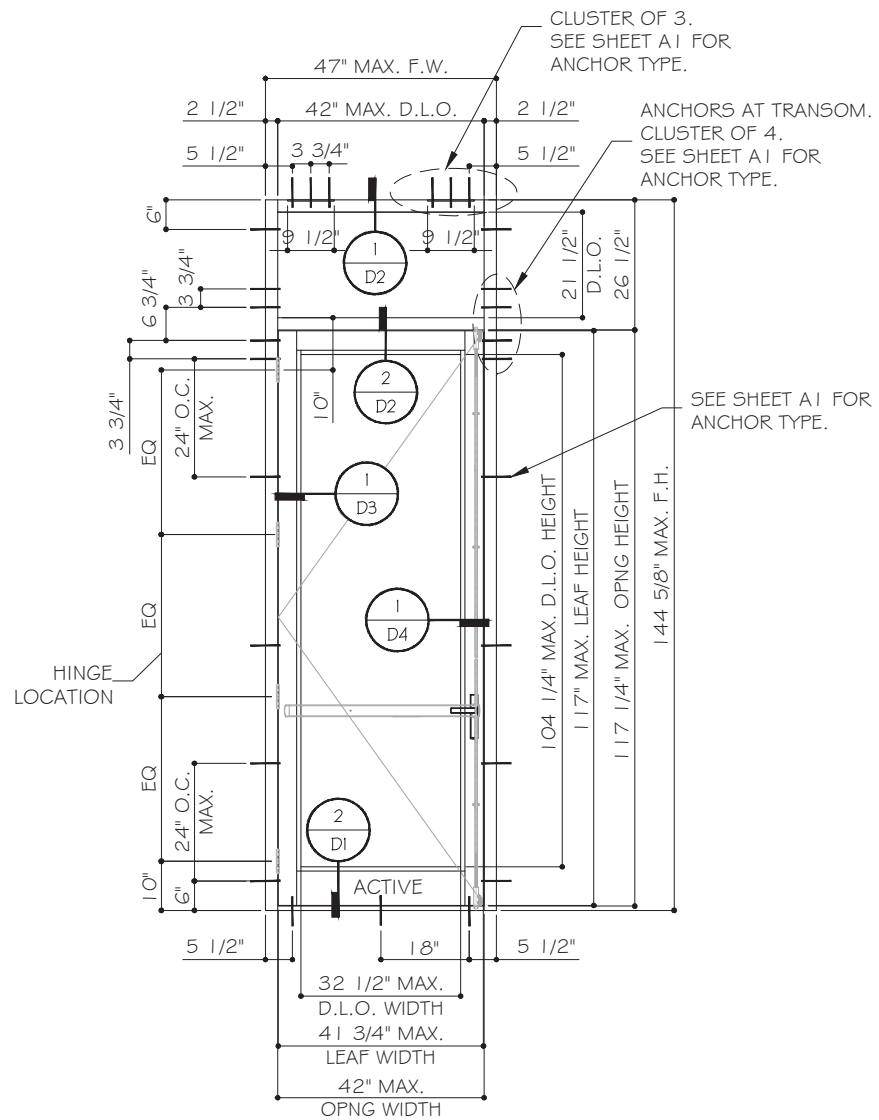
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R1	10.24.2025	JAMES	NEW APPLICATION
Drawing No. Scale AS SHOWN			
Drawing No. AD25-51			
Sheet No. G1			
02 OF 15			



TYPICAL EXTERIOR ELEVATION

(O / XX)

DOUBLE DOOR WITH TRNSOM LOAD CAPACITY - PSF				
GLASS TYPE: 'G1', 'G2', 'G3', 'G4', (DOOR)				
GLASS TYPE: 'G5' (TRANSOM)				
FRAME WIDTH	DOOR OPNG. HEIGHT	TRANSOM HEIGHT	EXT.(+)	INT.(-)
INCH	INCH	INCH	PSF	PSF
89	117 1/4	27 3/8	65	65

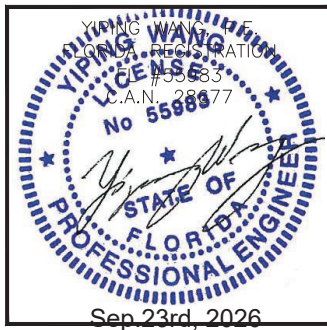


TYPICAL EXTERIOR ELEVATION

(O / X)

SINGLE DOOR WITH TRNSOM LOAD CAPACITY - PSF				
GLASS TYPE: 'G1', 'G2', 'G3', 'G4', (DOOR)				
GLASS TYPE: 'G5' (TRANSOM)				
FRAME WIDTH	DOOR OPNG. HEIGHT	TRANSOM HEIGHT	EXT.(+)	INT.(-)
INCH	INCH	INCH	PSF	PSF
47	117 1/4	27 3/8	65	65

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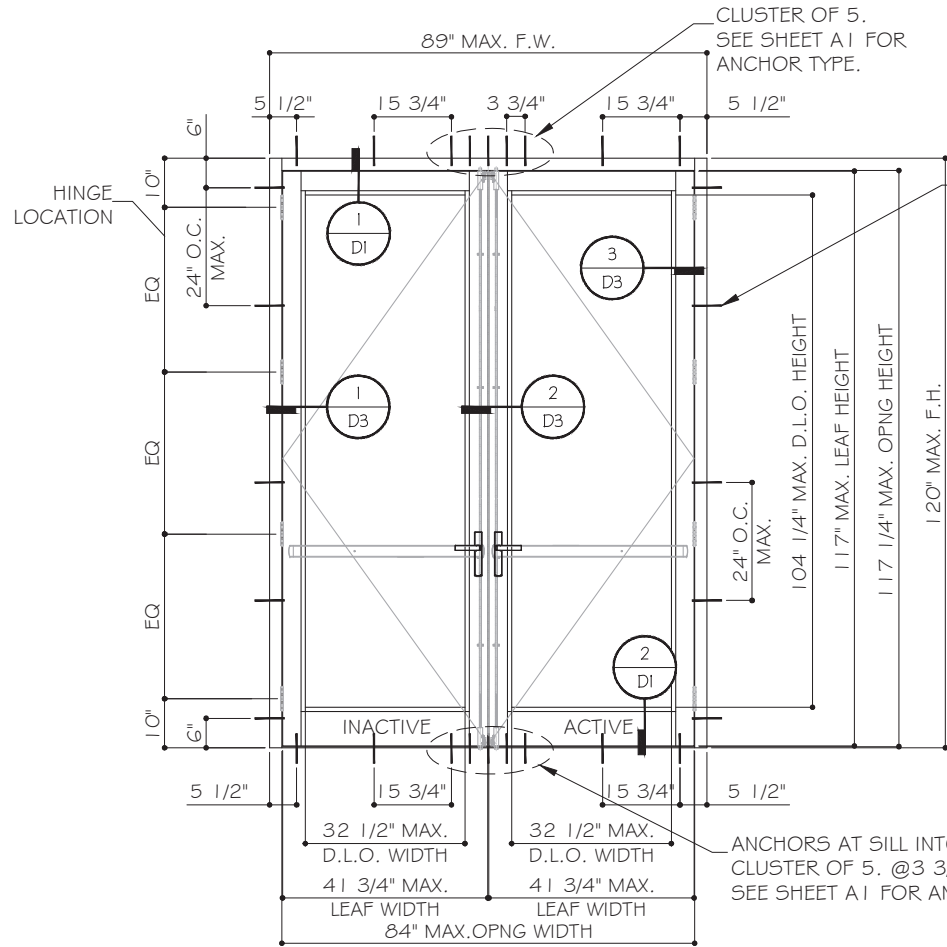
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DRAWING NO.
AD25-51

Sheet No.
03 OF 15

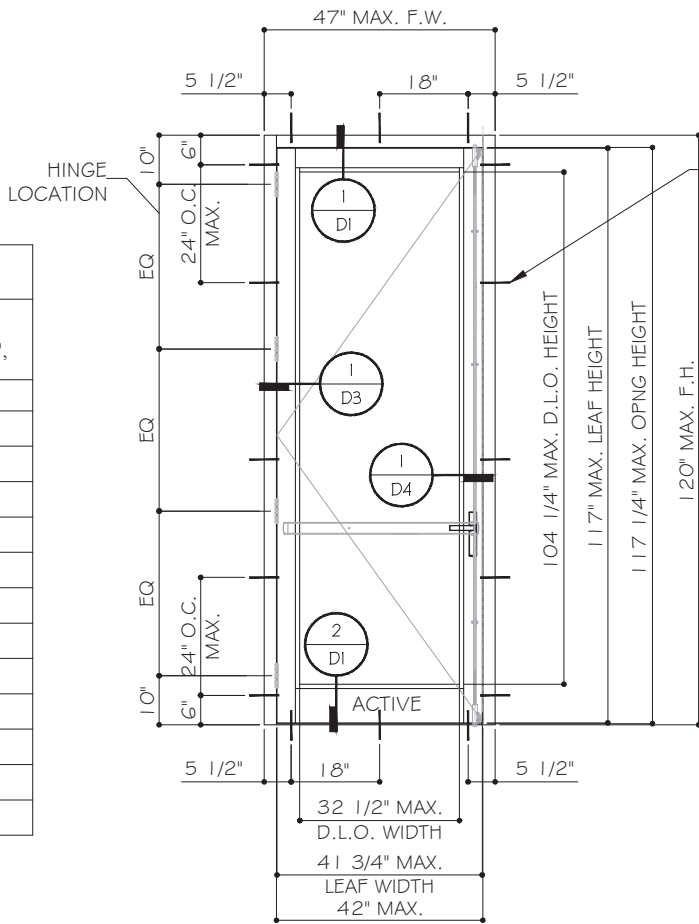


TYPICAL EXTERIOR ELEVATION
(XX)

SEE SHEET A1 FOR
ANCHOR TYPE.

DOOR LOAD CAPACITY - PSF DOUBLE DOOR (XX)			
DOOR DIMENSIONS		GLASS TYPE 'G1', 'G2', 'G3', 'G4',	
OPNG. WIDTH	OPNG. HEIGHT		
INCH	INCH	EXT.(+)	INT.(-)
84	117 1/4	65	65
76		65	65
72		65	65
68		65	65
84	105 1/4	65	65
76		65	65
72		65	65
68		65	65
84	93 1/4	65	65
76		65	65
72		65	65
68		65	65

ANCHORS AT SILL INTO CONCRETE.
CLUSTER OF 5. @3 3/4".
SEE SHEET A1 FOR ANCHOR TYPE.

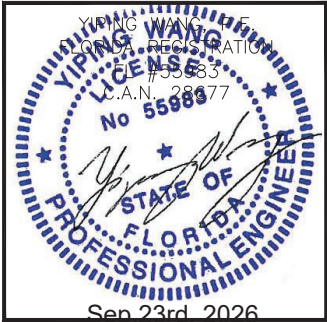


TYPICAL EXTERIOR ELEVATION
(X)

SEE SHEET A1 FOR
ANCHOR TYPE.

DOOR LOAD CAPACITY - PSF SINGLE DOOR (X)			
DOOR DIMENSIONS		GLASS TYPE 'G1', 'G2', 'G3', 'G4',	
OPNG. WIDTH	OPNG. HEIGHT		
INCH	INCH	EXT.(+)	INT.(-)
42	117 1/4	65	65
38		65	65
36		65	65
34		65	65
42	105 1/4	65	65
38		65	65
36		65	65
34		65	65
42	93 1/4	65	65
38		65	65
36		65	65
34		65	65

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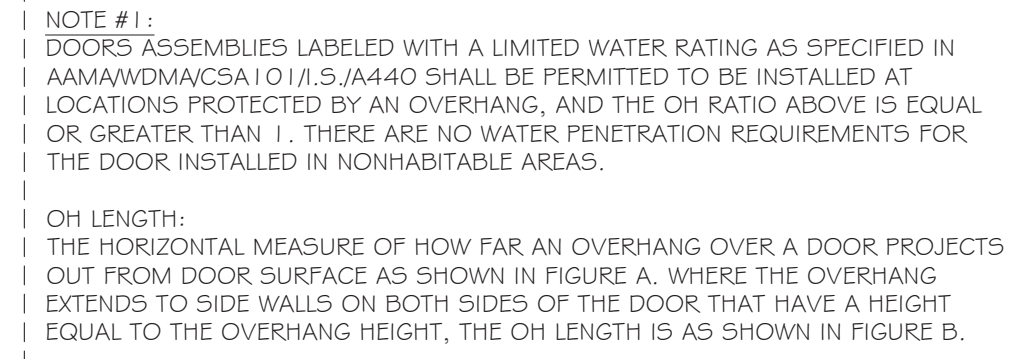
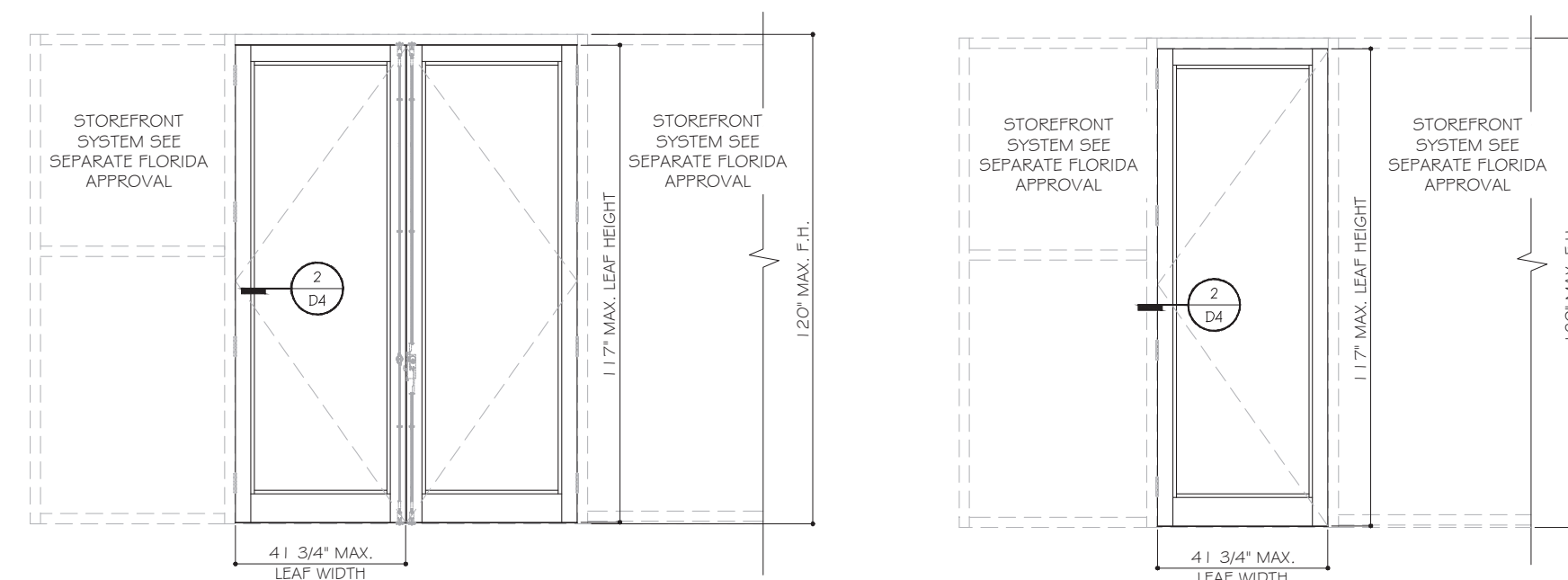
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Sheet No.
04 OF 15

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TYPICAL ANCHOR TYPES: (SEE ELEVATIONS FOR SPACING)

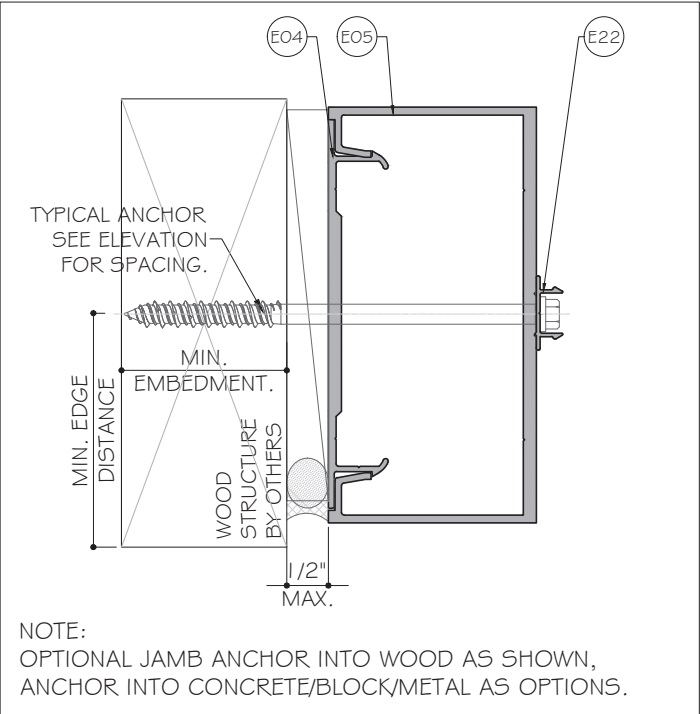
TYPE 'A' -- 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
INTO 2 BY WOOD BUCKS OR WOOD STRUCTURES.
W/ 2" MIN. PENETRATION INTO WOOD (HEAD/JAMB).
OR THRU 1 BY WOOD BUCK INTO CONCRETE (HEAD/JAMB)
W/ 1 3/4" MIN. EMBED.
OR THRU 1 BY WOOD BUCK INTO GROUT-FILLED BLOCK (JAMB ONLY)
W/ 1 3/4" MIN. EMBED
OR DIRECTLY INTO CONCRETE (HEAD/SILL/JAMB)
W/ 1 3/4" MIN. EMBED.
DIRECTLY INTO GROUT-FILLED BLOCK (JAMB ONLY)
W/ 1 3/4" MIN. EMBED

TYPE 'B' -- 5/16" DIA. SELF DRILLING SCREW (GRADE 5 CRS, Fu=120ksi, Fy=92 ksi)
INTO FBC APPROVED MULLIONS OR OTHER METAL STRUCTURES (HEAD/SILL/JAMB)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED.)

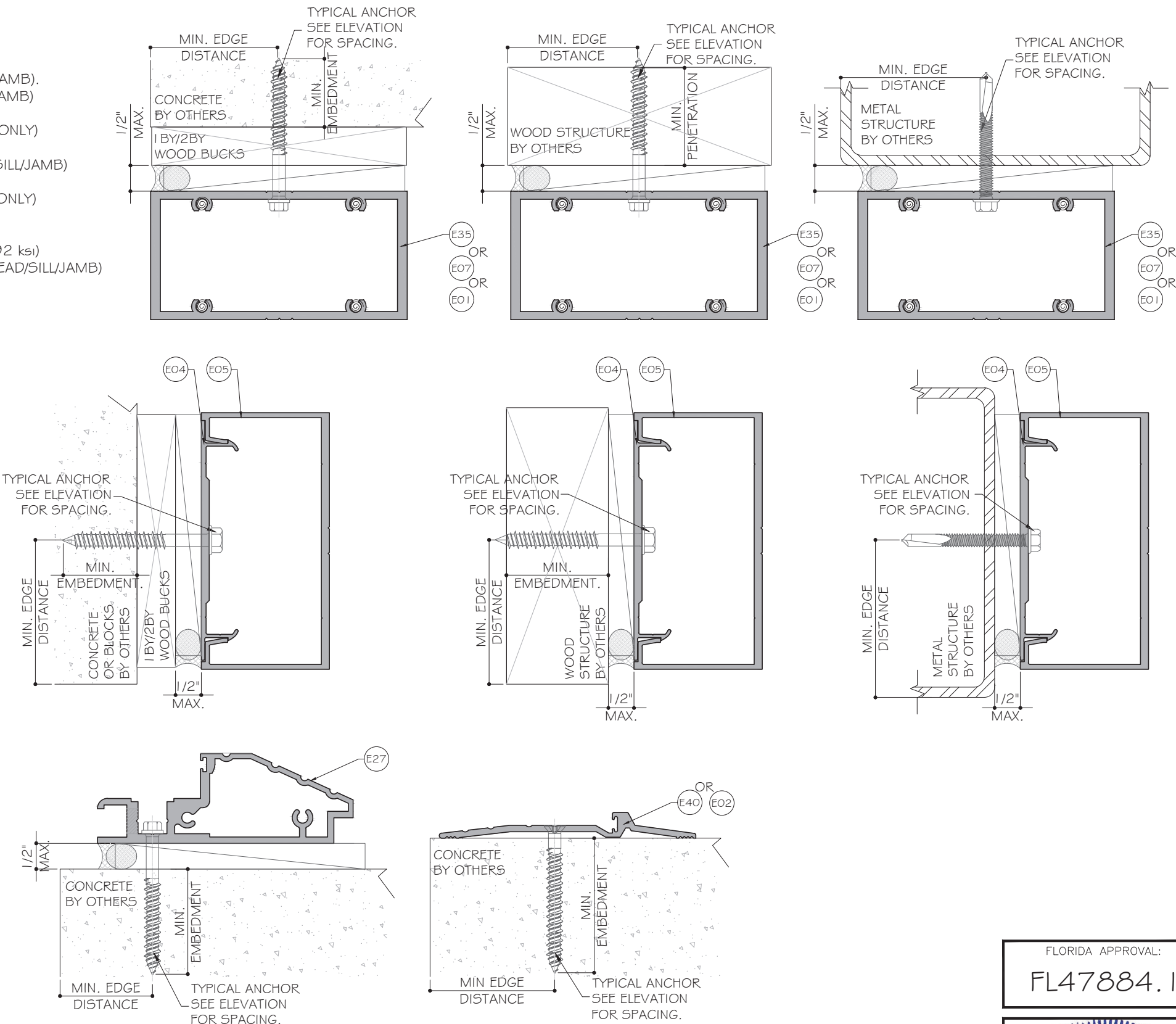
TYPICAL EDGE DISTANCE
INTO CONCRETE OR MASONRY= 2 1/2" MIN.
INTO WOOD = 1 1/4" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

SUBSTRATE
WOOD: SG=0.55MIN.
CONCRETE: fc=3000 PSI MIN.
C-90 GROUT-FILLED BLOCK: fm=2 KSI.
ALUMINUM: 1/8" THK. MIN. (6063-T5, MIN)
STEEL: 1/8" THK. MIN. (Fy=36KSI MIN)

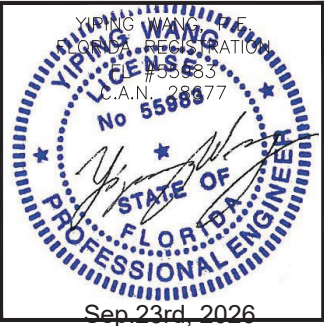
NOTE:
METAL/WOOD STRUCTURES BY OTHERS MUST BE PROPERLY
SECURED TO SUPPORT LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING MAIN STRUCTURES.



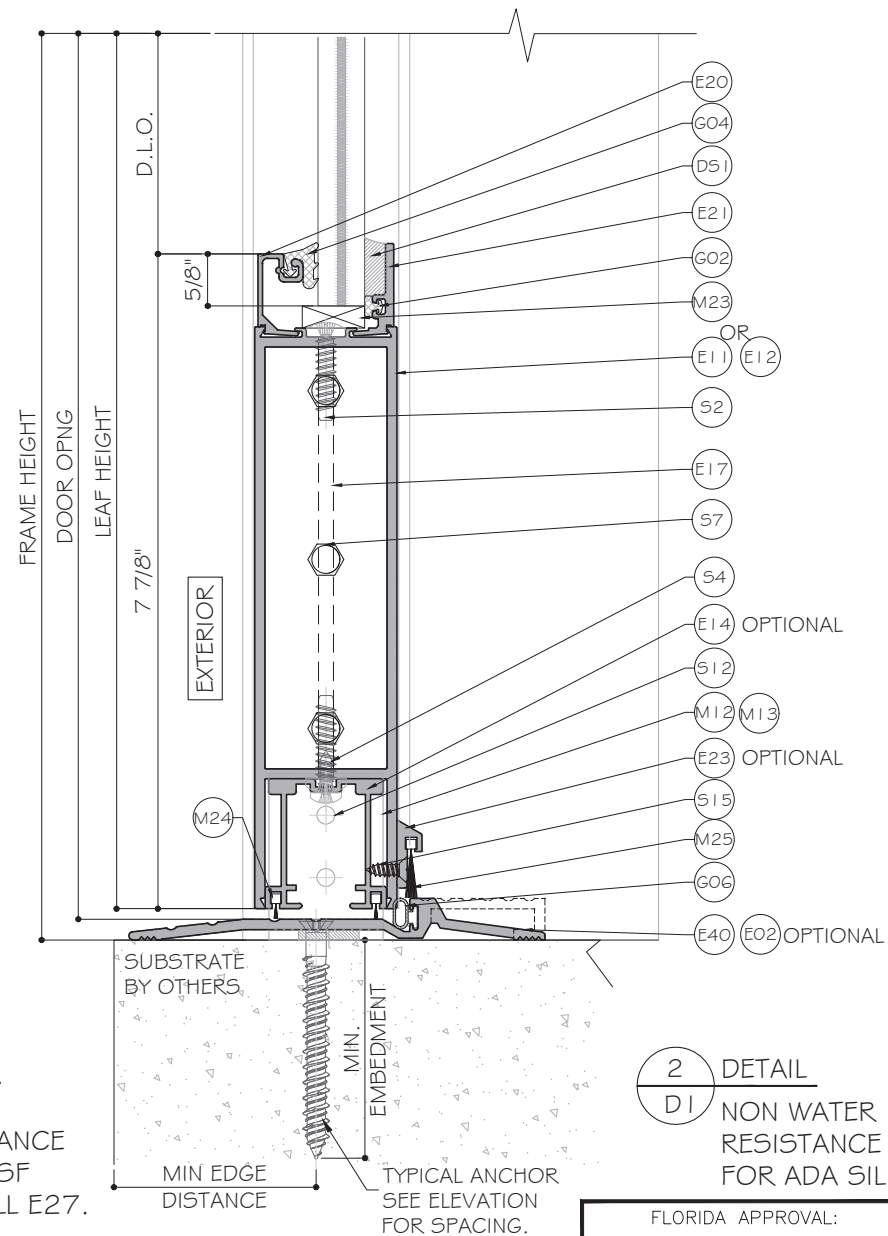
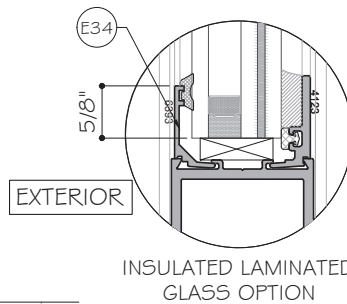
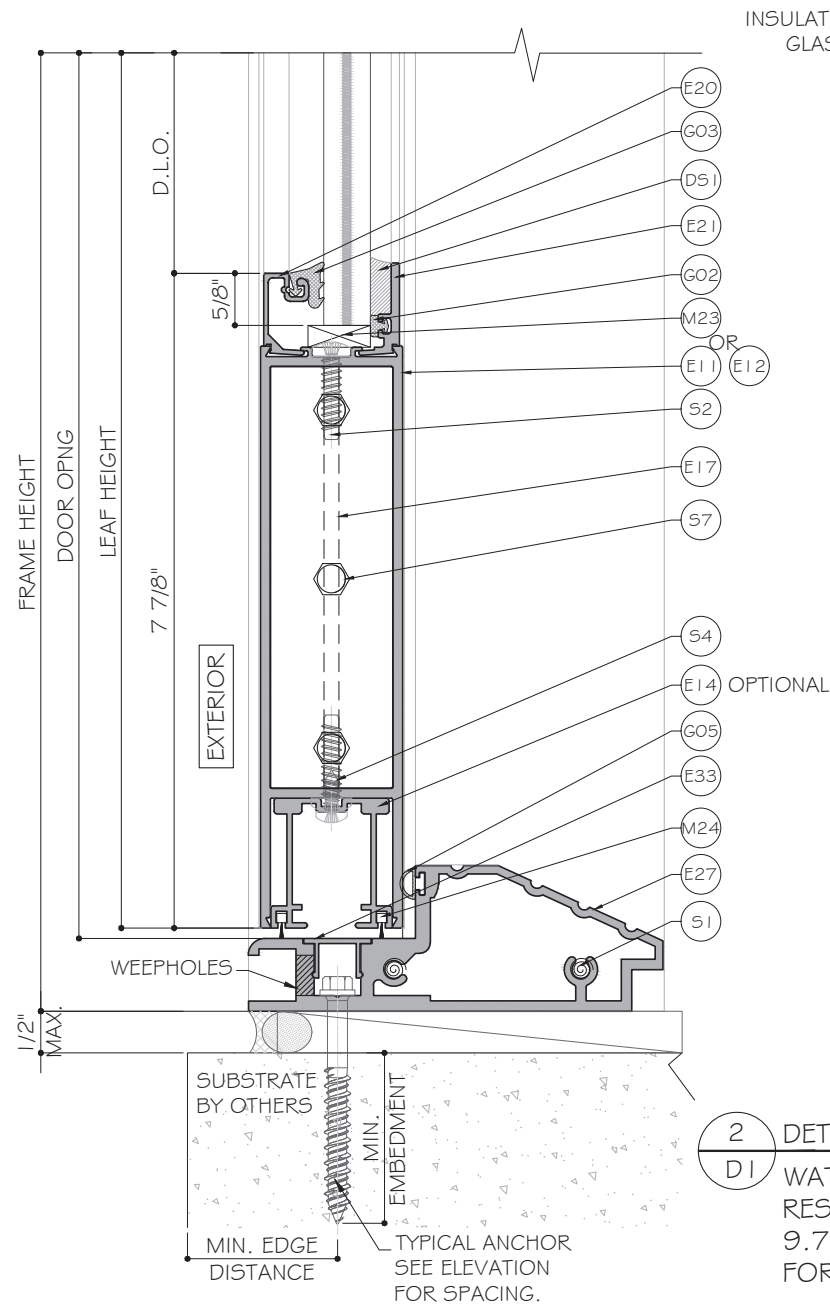
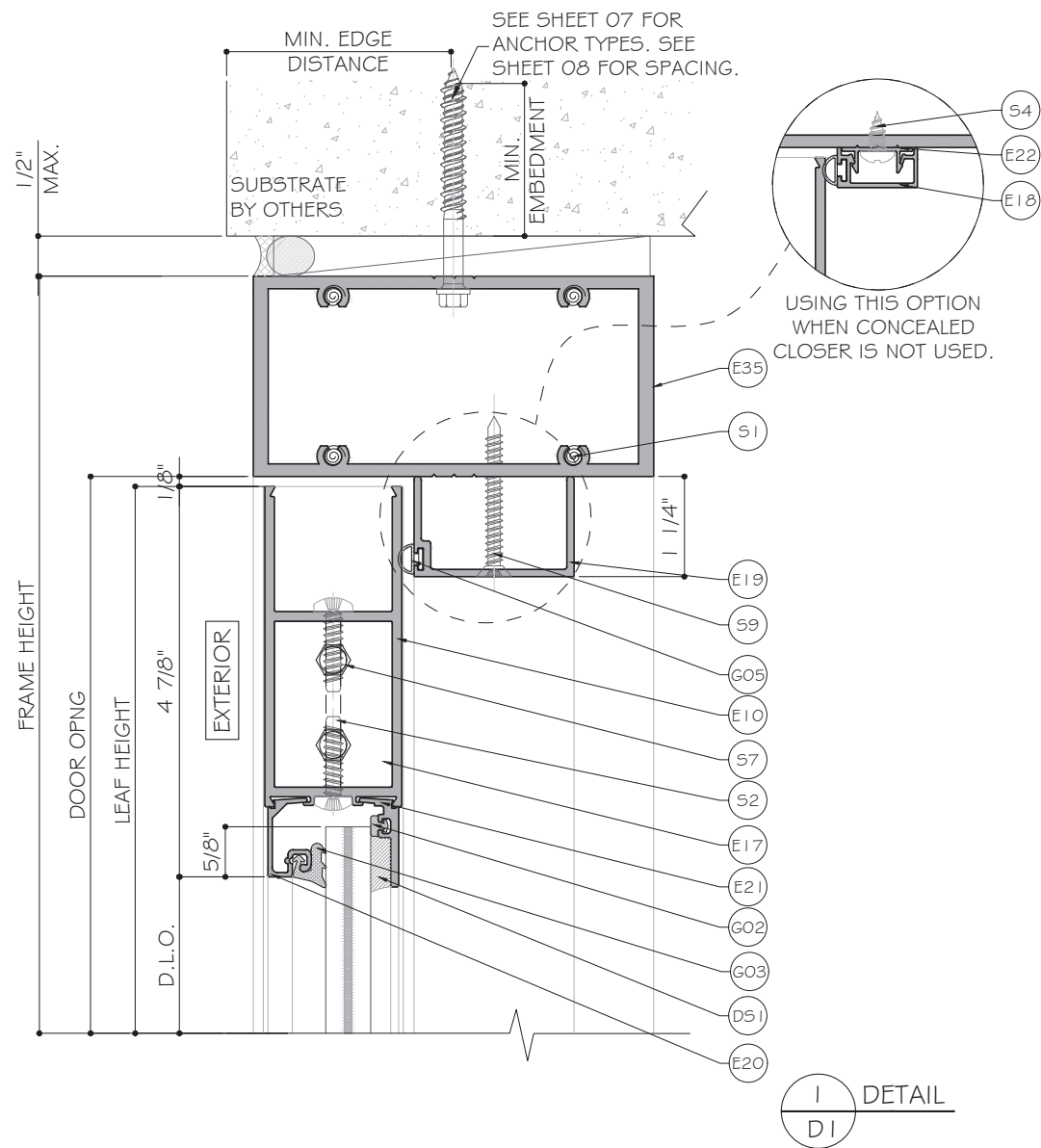
NOTE:
OPTIONAL JAMB ANCHOR INTO WOOD AS SHOWN,
ANCHOR INTO CONCRETE/BLOCK/METAL AS OPTIONS.



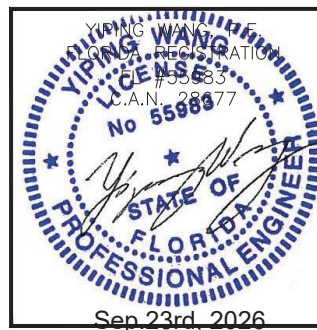
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Drawn Date: 09.22.2026 Scale: AS SHOWN			
DRAWING NO. AD25-51			
A1			
Sheet No. 06 OF 15			



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HS2550 FRENCH DOOR SYSTEM - L.M.I.

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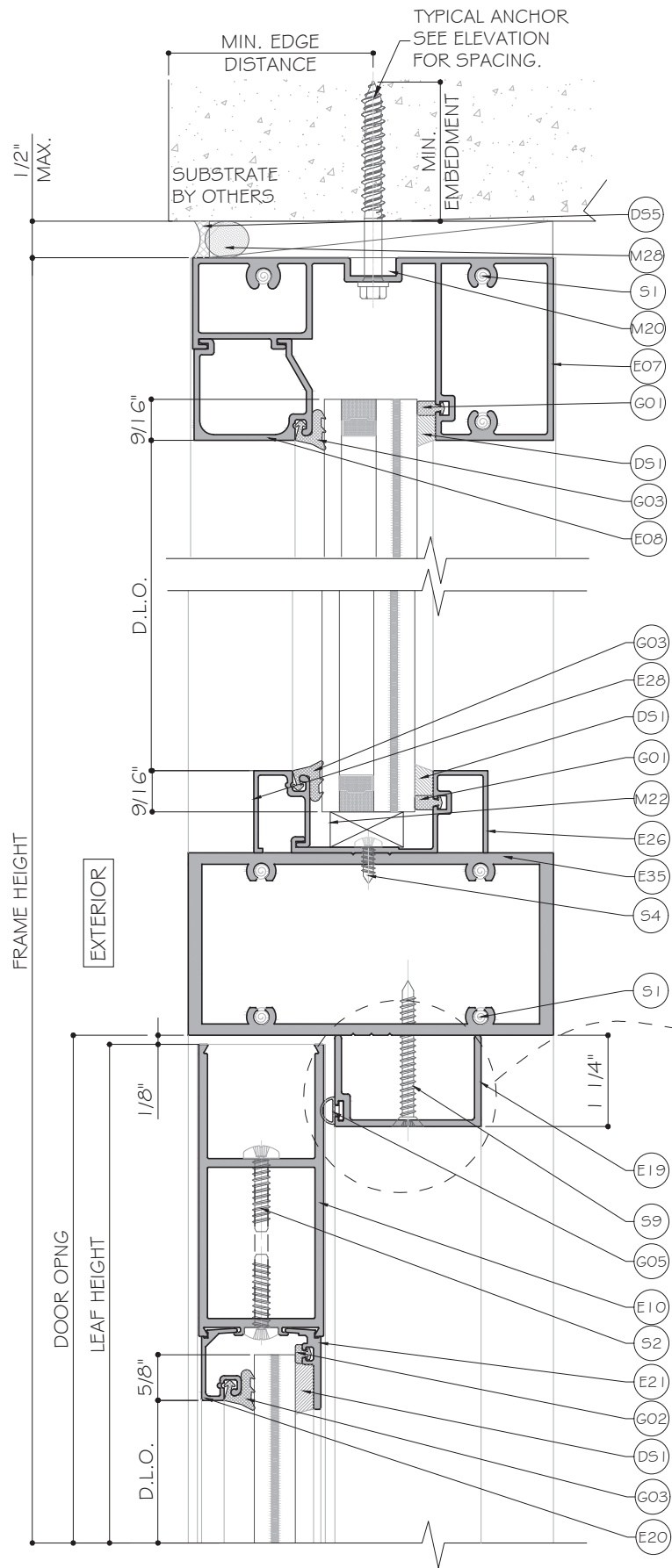
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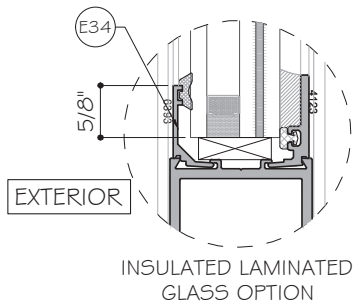
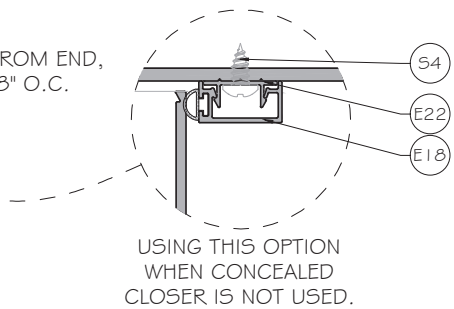
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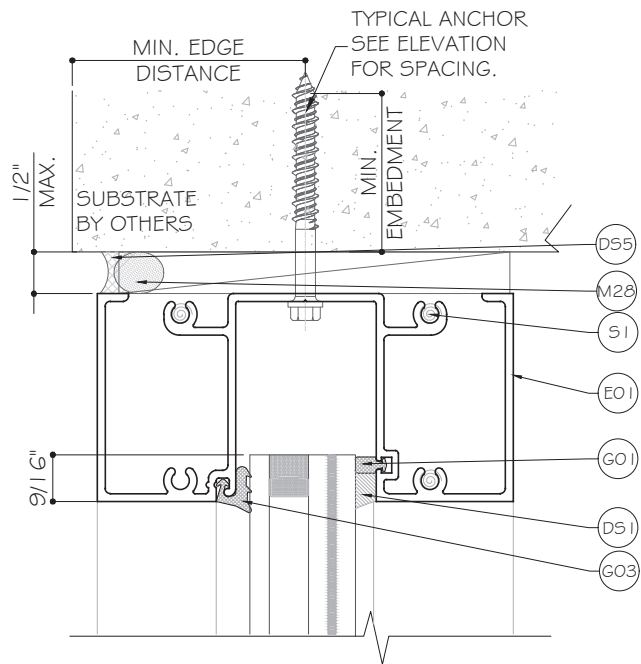
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07 OF 15



1
D2
DETAIL

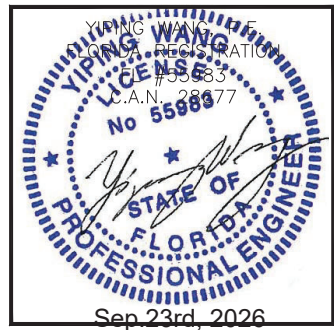


2
D2
DETAIL



1
D2
OPTIONAL

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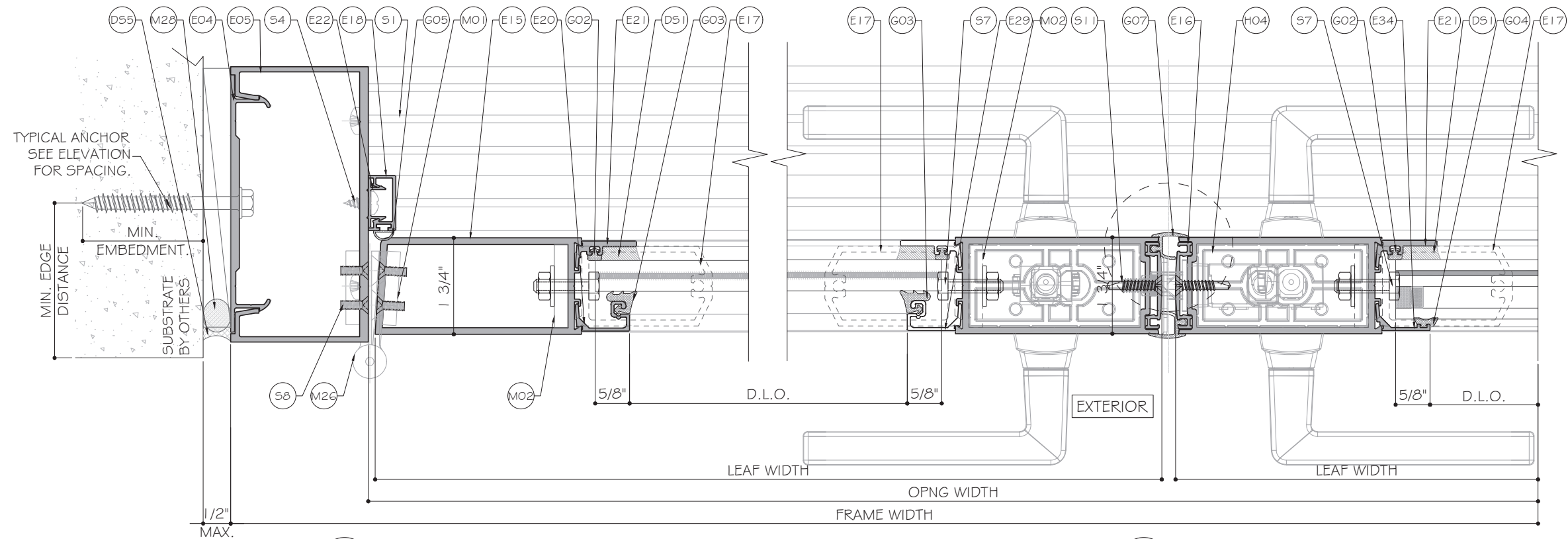
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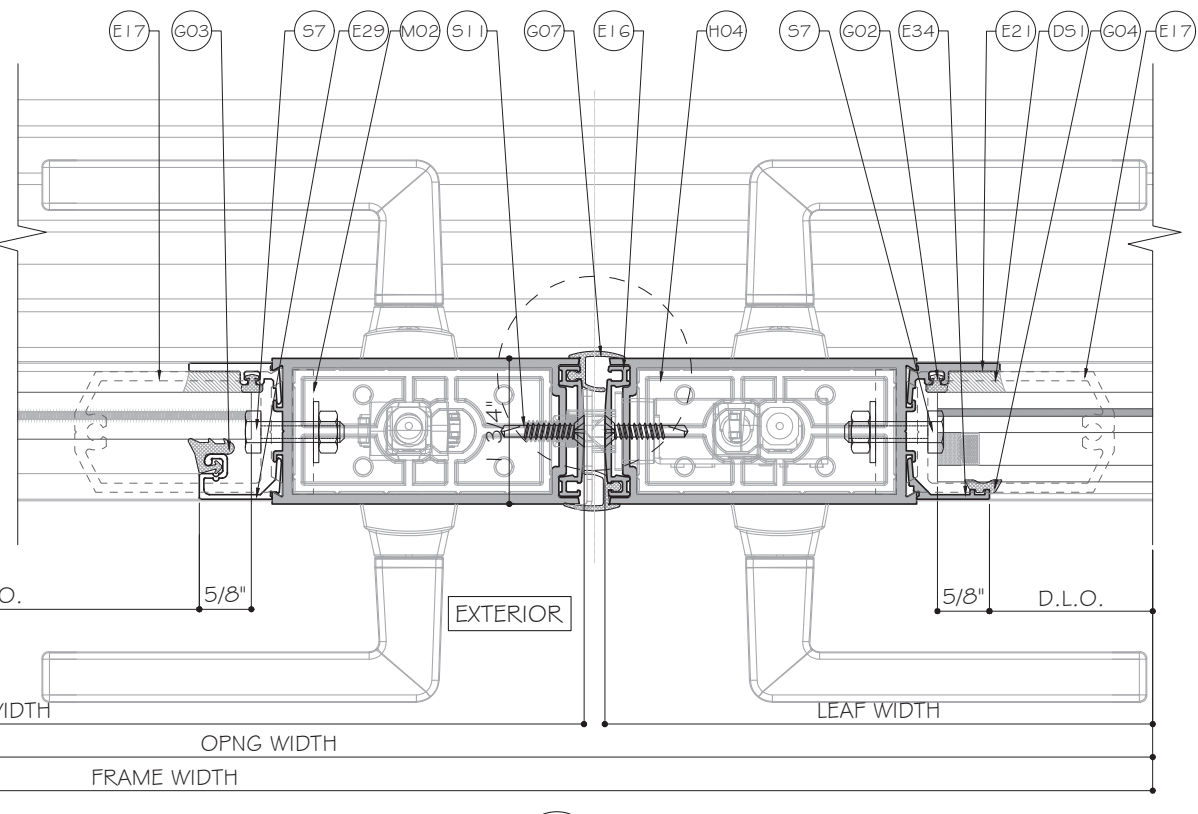
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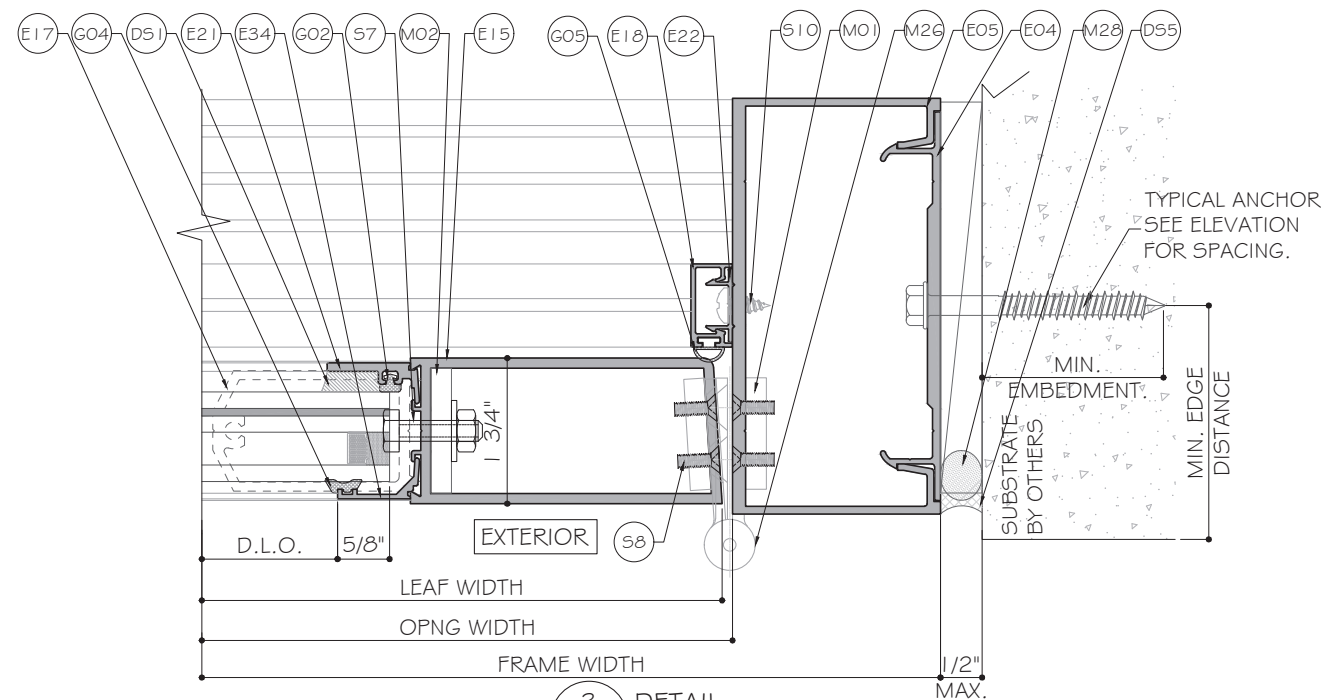
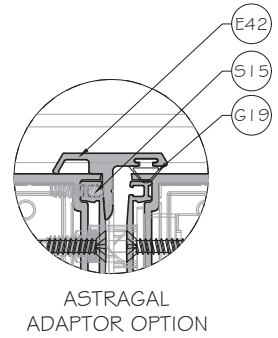
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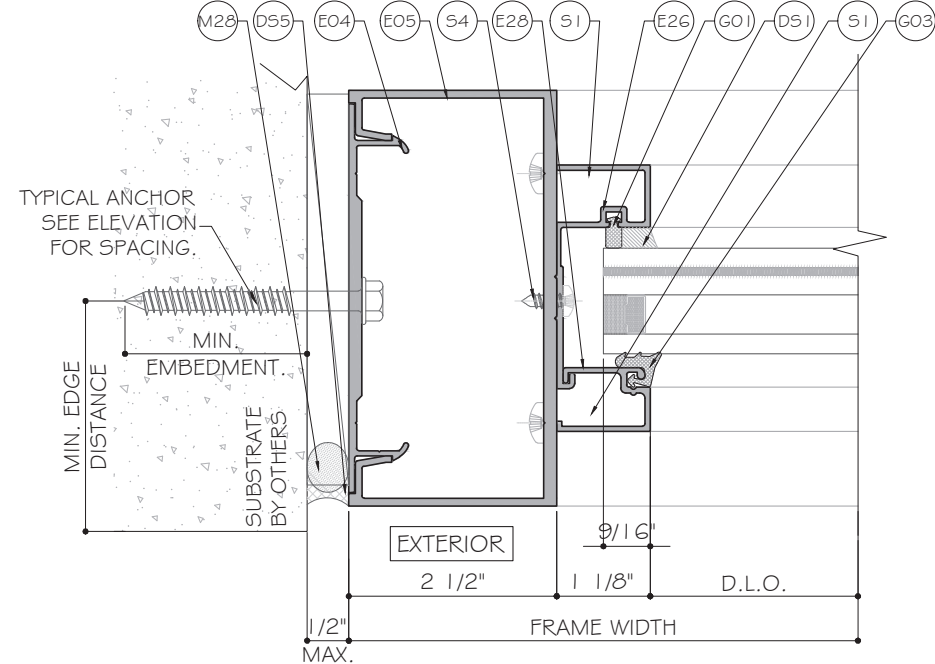
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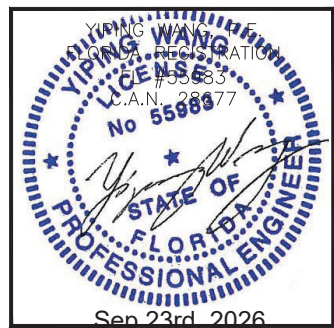


3
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DETAIL



4
D3
DETAIL

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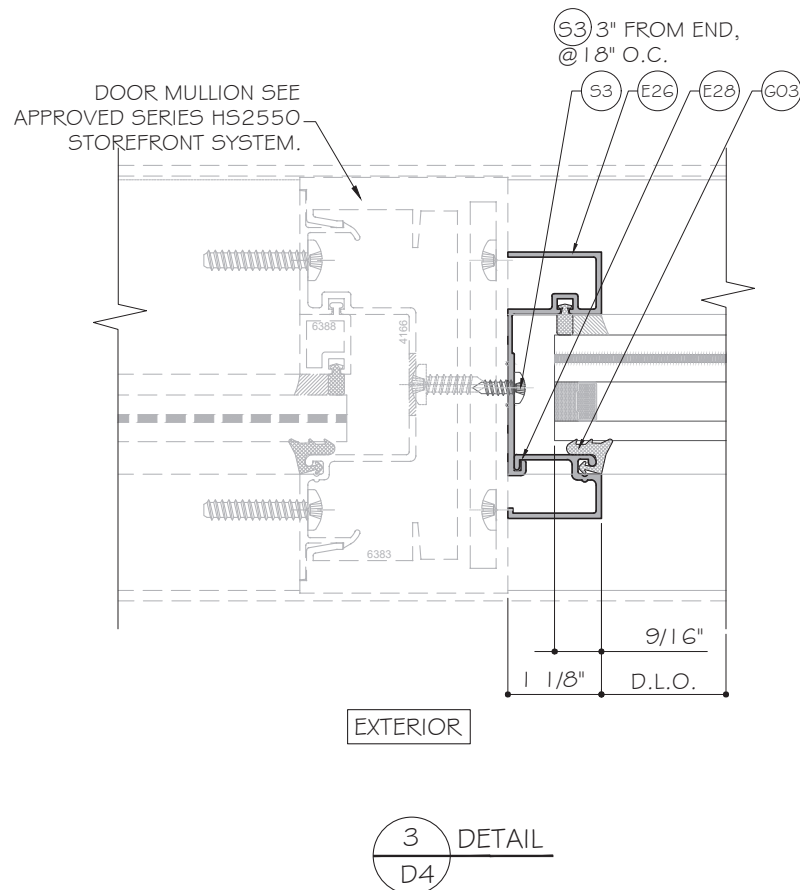
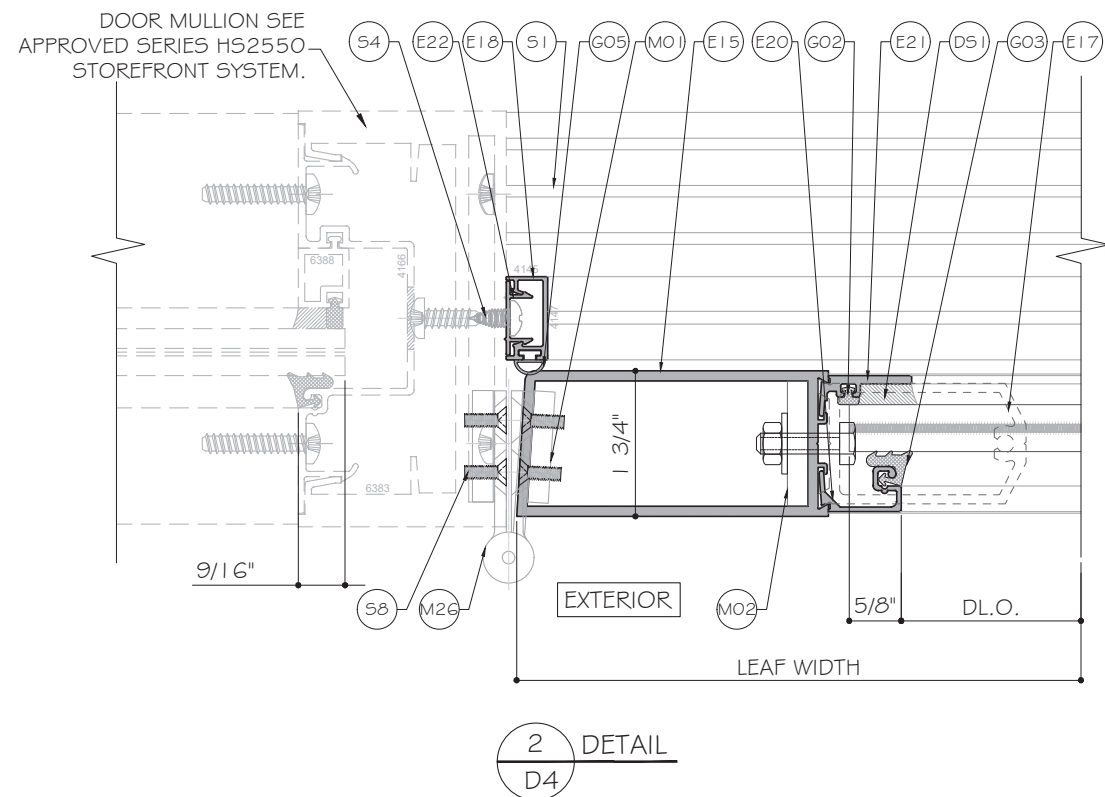
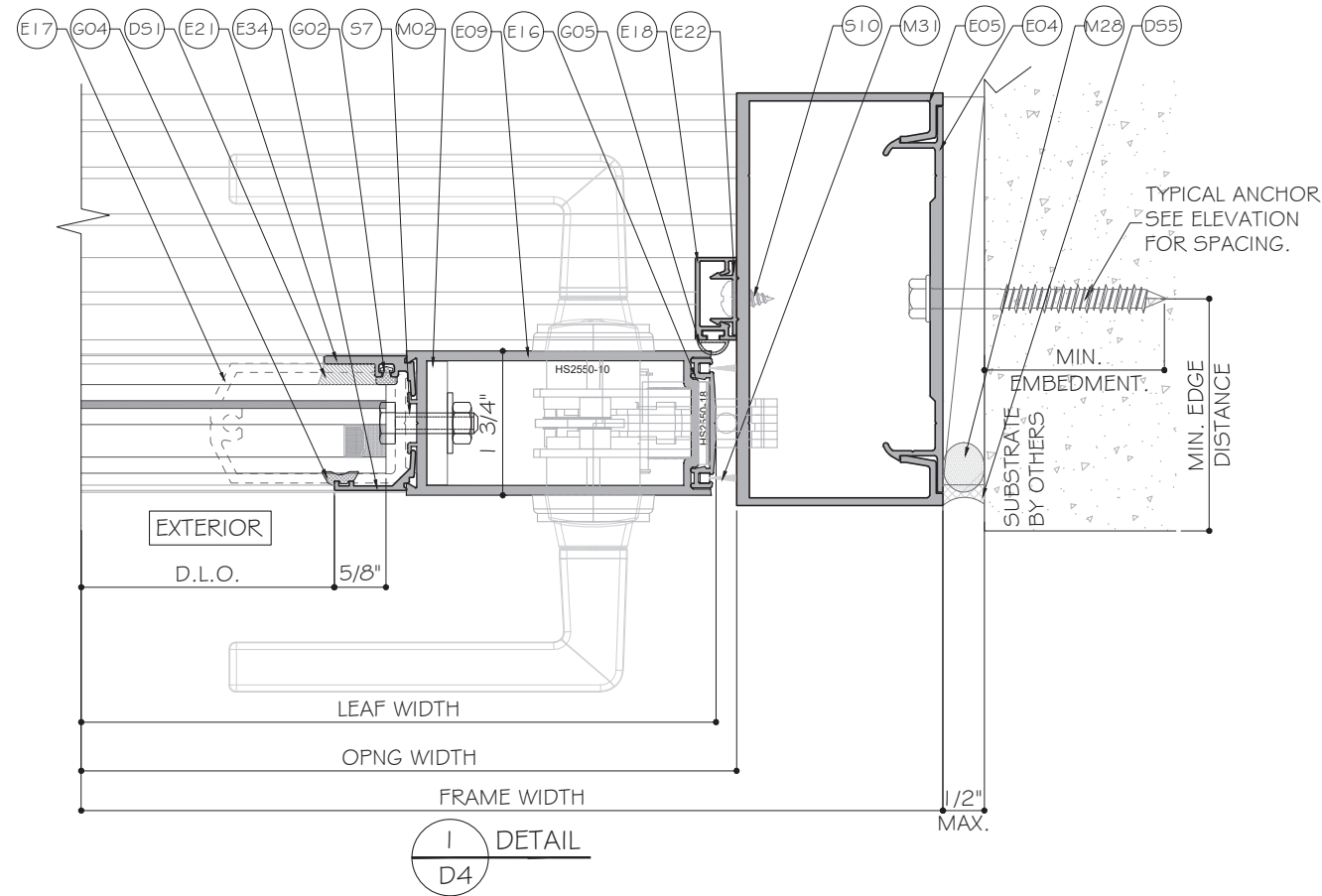
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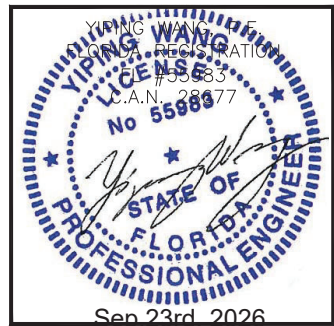
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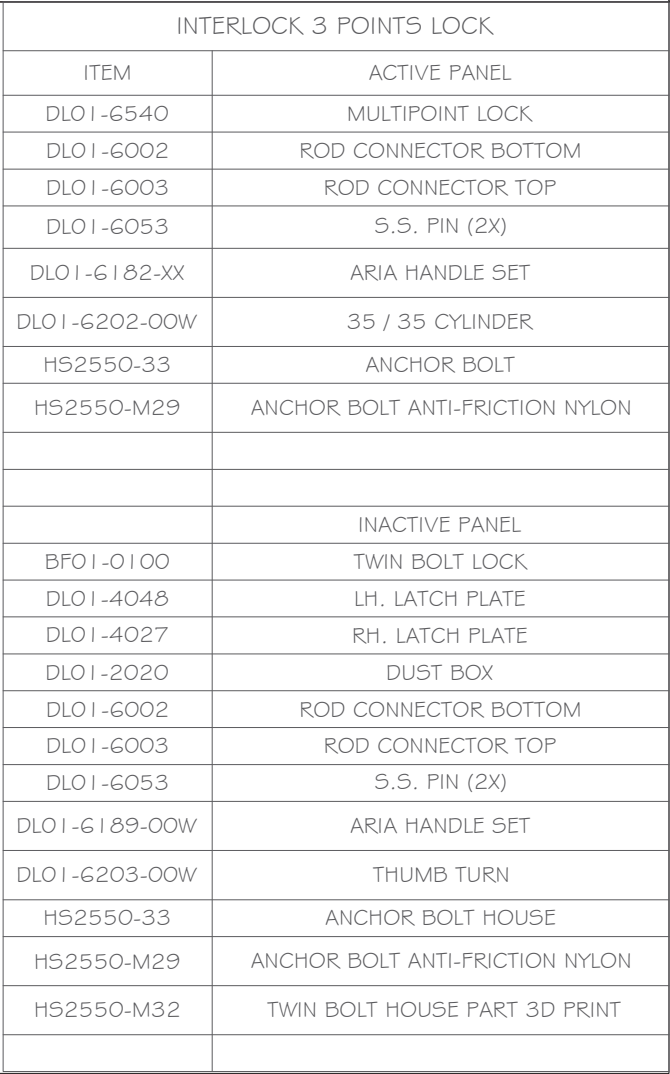
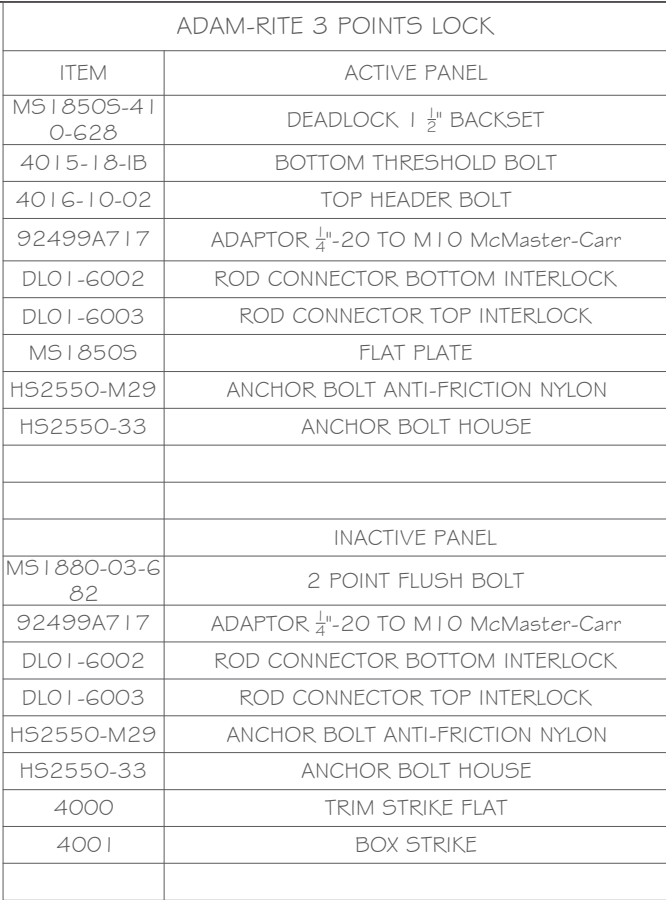
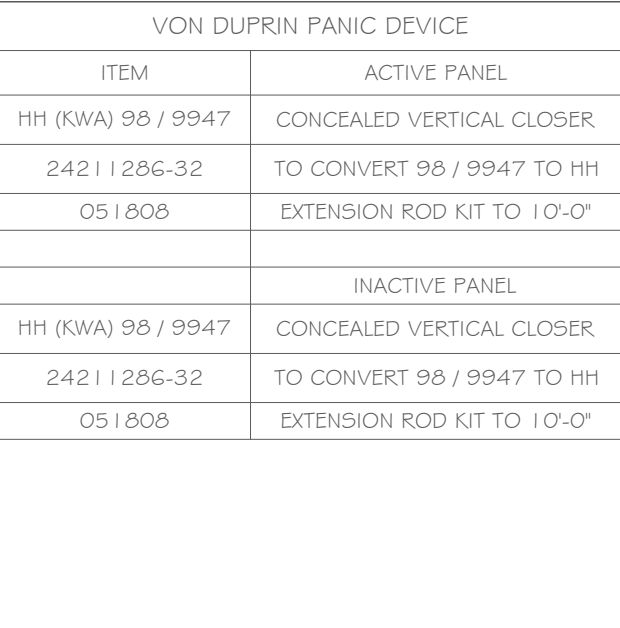
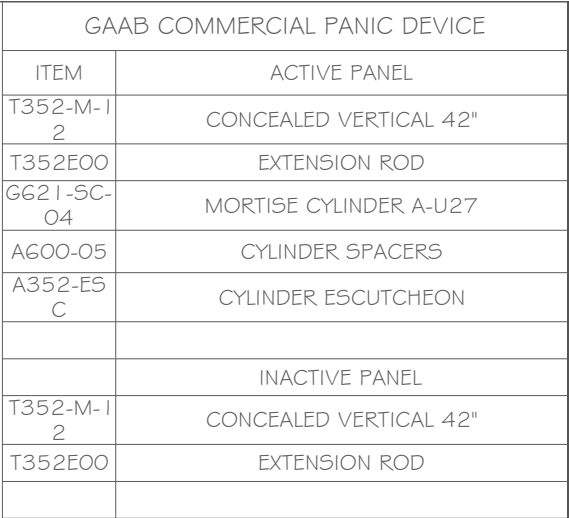
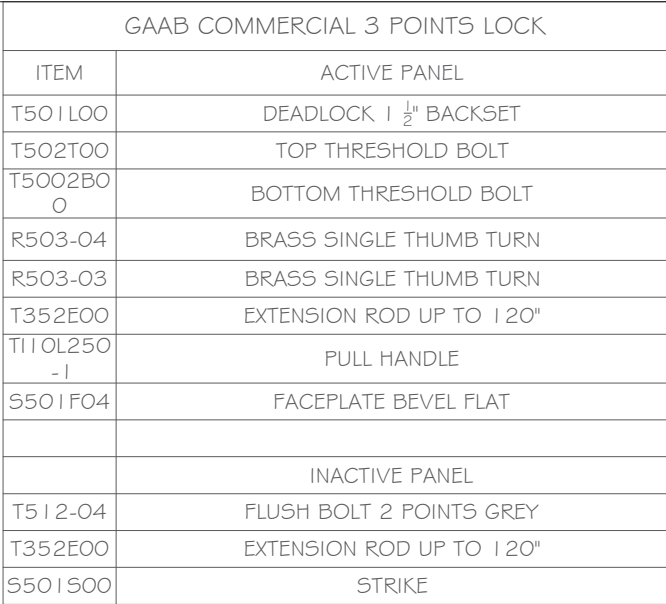
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09 OF 15



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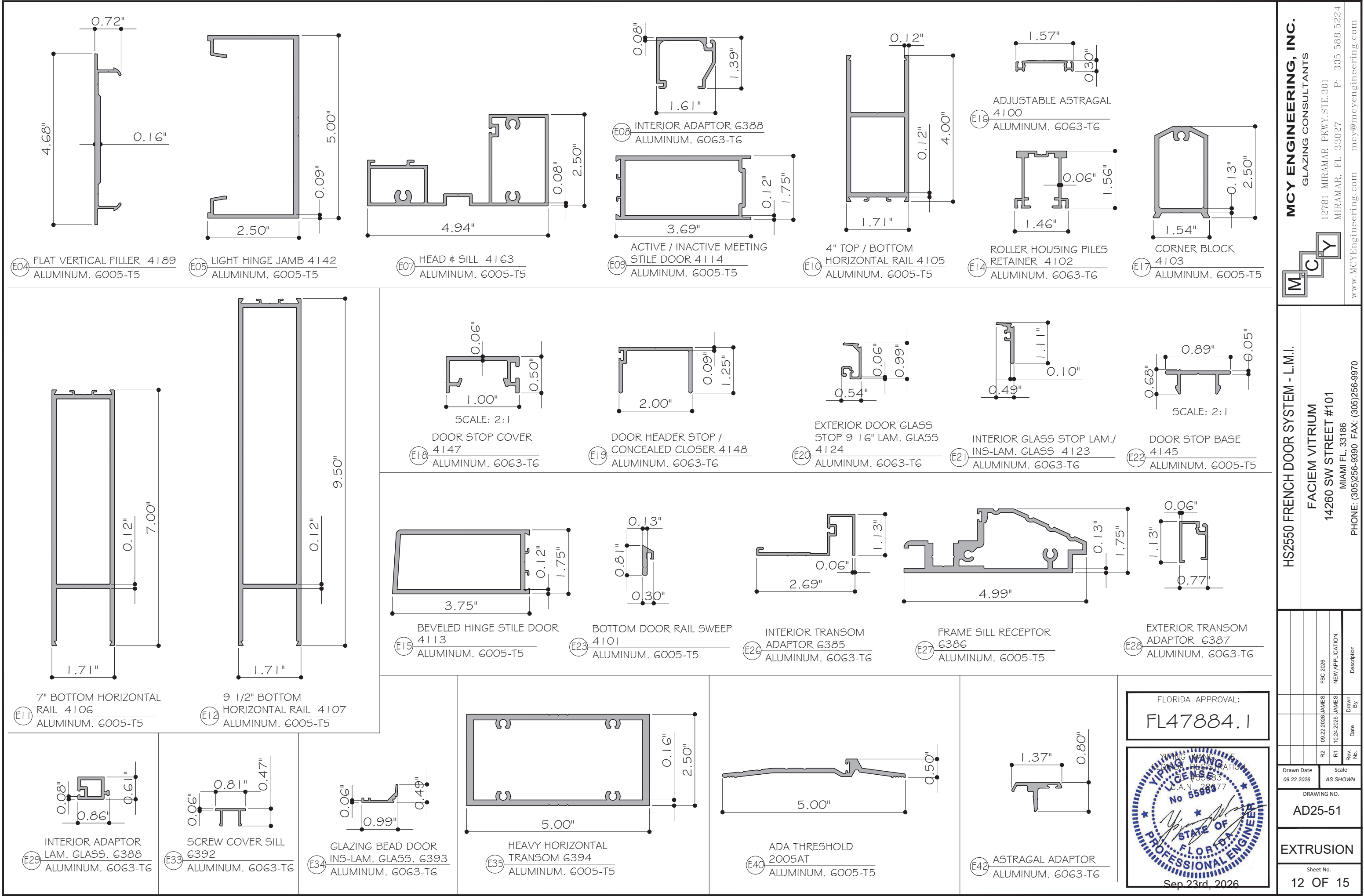


Rev. No.	Date	Drawn By	Description
R2	09.22.2026	JAMES	FBC 2026
R1	10.24.2025	JAMES	NEW APPLICATION
Drawing No. AD25-51			
Sheet No. 10 OF 15			



R2		09-22-2026	JAMES	FBC 2026					
R1		10-24-2025	JAMES	NEW APPLICATION					
Rev. No.		Date	Drawn By	Description					

Drawn Date 09.22.2026	Scale AS SHOWN
DRAWING NO. AD25-51	
HARDWARE	
Sheet No. 11 OF 15	





HS2550 FRENCH DOOR SYSTEM - L.M.I.

FACIEM VITRIUM

14260 SW STREET #101

MIAMI FL, 33186

MIAMI FL, 33100
PHONE: (305)256-9390 FAX: (305)256-9970

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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12781 MIRAMAR PKWY.STE.301

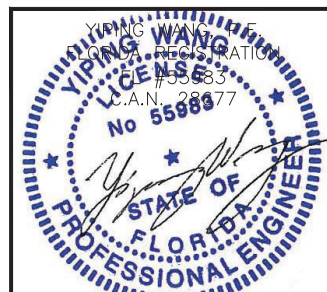
MIRAMAR, FL 33027

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Sep. 23rd, 2026

R2	09-22-2026	JAMES	FBC 2026		
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DRAWING NO.

AD25-51

EXTRUSION

Sheet No.

13 OF 15

