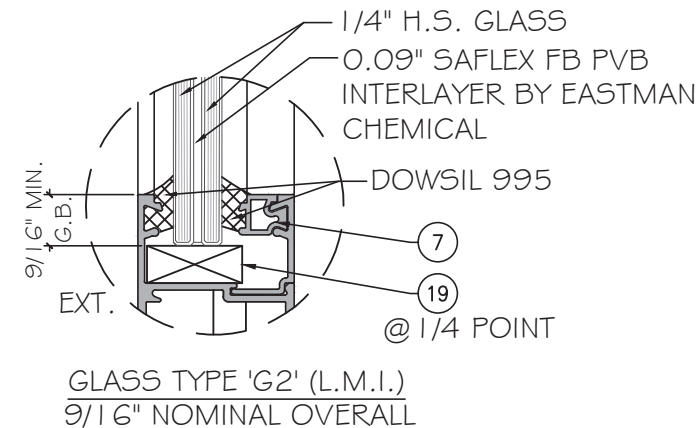
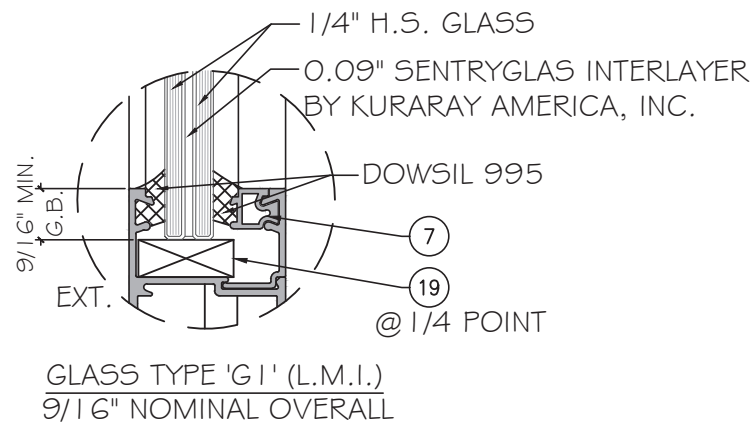


ELITE DOORS AND WINDOWS INC.
SPA 150 ALUMINUM OUTSWING FRENCH DOOR - L.M.I.



NOTE:

GLASS COMPLIES WITH ASTM E 1300-09
(3 SEC. GUSTS).

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS ARE RATED FOR LARGE MISSILE IMPACT. LMI SYSTEM TO BE USED FOR INSTALLATIONS UP TO 30 FT OF GRADE. FOR ABOVE 30 FT OF GRADE, SMI TO BE USED. IMPACT SHUTTERS ARE NOT REQUIRED.
- REFER TO DETAILS FOR DOORS APPROVED FOR 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 8TH EDITION FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- METAL STRUCTURES BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- 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.
- SEALANTS:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICON SEALANT.

- 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.

USE CHARTS AS FOLLOWS.

STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.

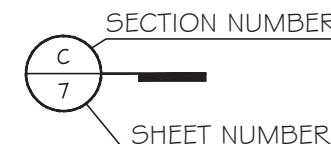
STEP 2: SEE SHEET E1 & E2 FOR TYPICAL DOORS ELEVATION.

STEP 3: SEE SHEET A1 FOR ANCHOR OPTIONS. SEE SHEET E1#E2 FOR ANCHOR LAYOUT.

STEP4: THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THROUGH STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

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

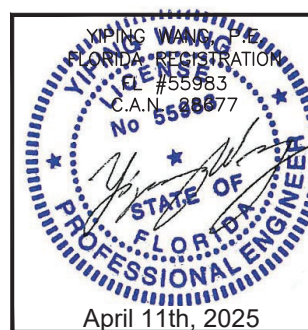


LIMITATIONS OF USE

- 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 THIS 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 ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D ENGINEER SHALL SUBMIT TO THIS REVIEW THE SITE SPECIFIC DRAWINGS FOR THE REVIEW.
- 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:

FL 47445

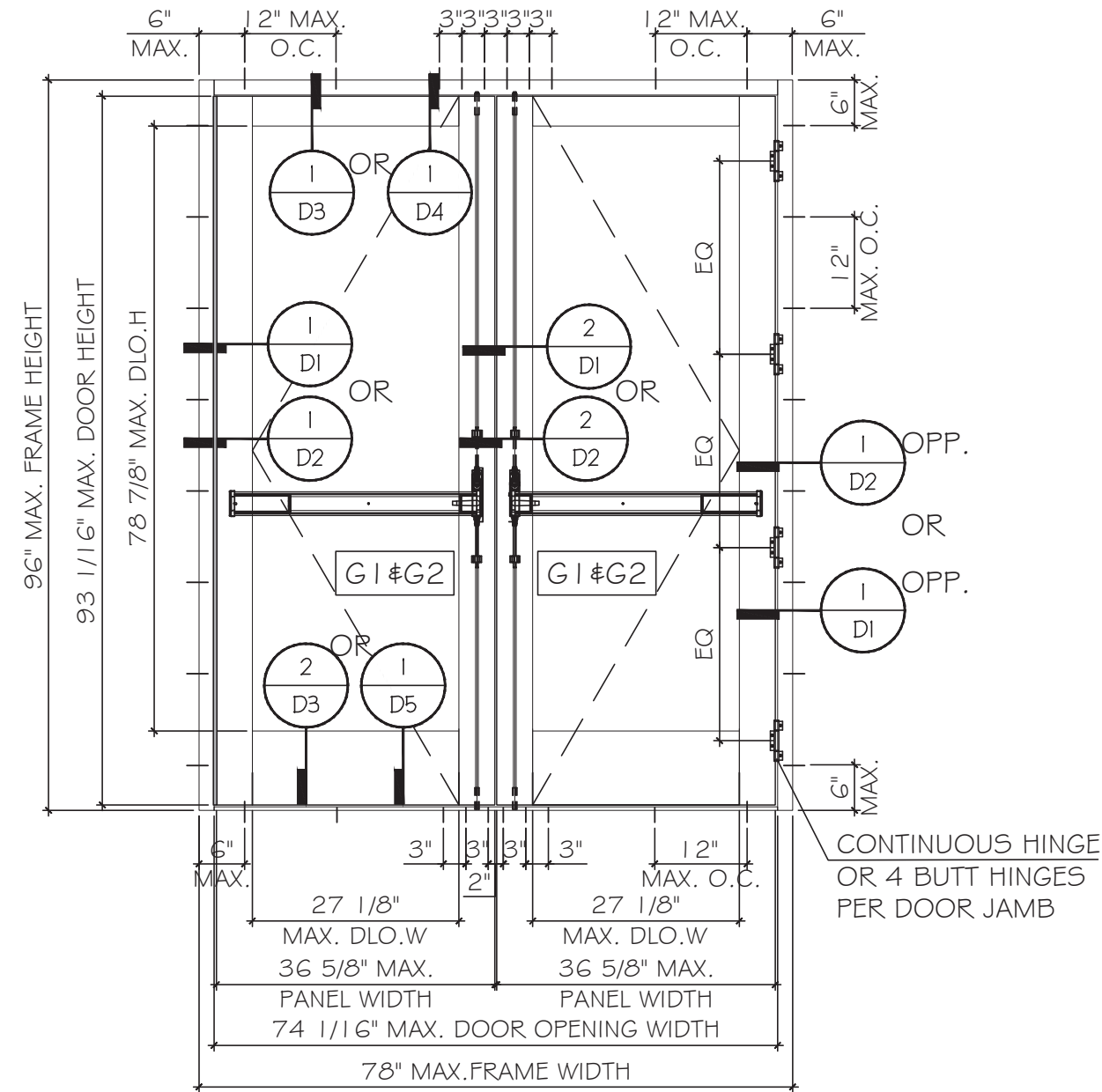
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MCY ENGINEERING, INC.
GLAZING CONSULTANTS

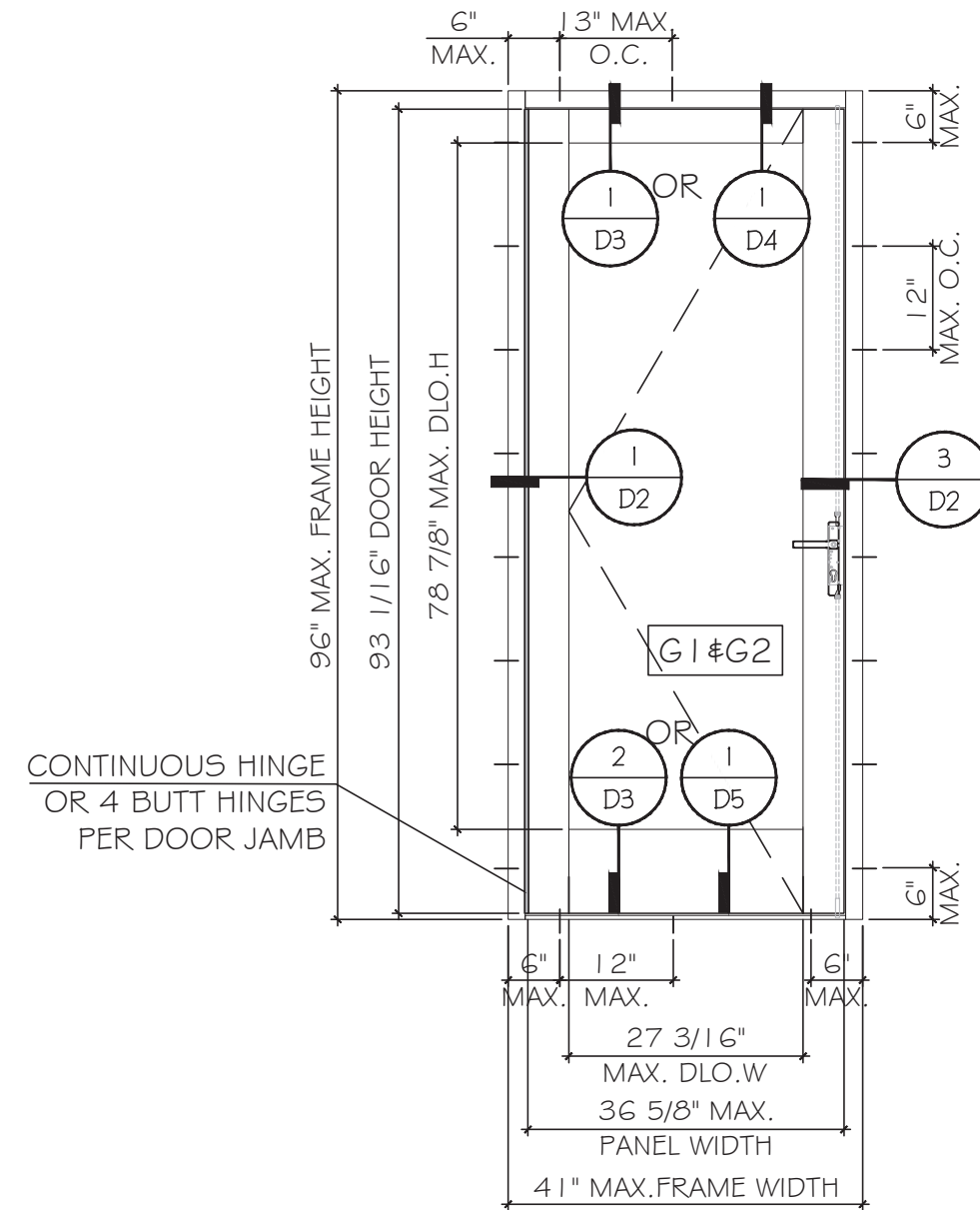
4780 CORONA AVENUE, VERNON, CALIFORNIA 90058

TEL: 310 487 3334
EMAIL: Gno@elitedoorswindow.com

mcy@mcyengineering.com



TYPICAL EXTERIOR ELEVATIONS

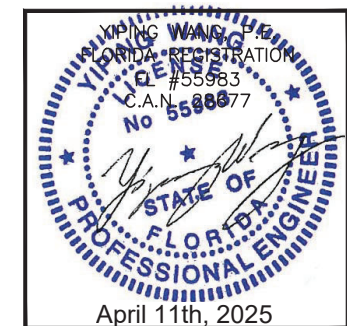


TYPICAL EXTERIOR ELEVATIONS

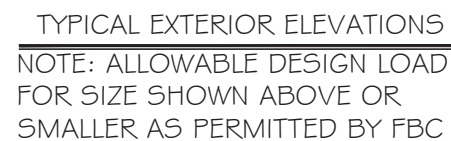
DOOR WITH STD FRAME						
DOOR TYPE	GLASS TYPE	MAX. DIMENSIONS		DESIGN LOADS (PSF) (±)	HINGE OPTION	LOCK OPTION
		FRAME WIDTH	FRAME HEIGHT			
		INCH.	INCH.			
DOUBLE DOOR	G1	78	96	96	#1 / #2	#1 / #2 / #3
	G2	78	96	65		
SINGLE DOOR	G1	41	96	96		
	G2	41	96	65		

NOTE: ALLOWABLE DESIGN LOAD FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC.

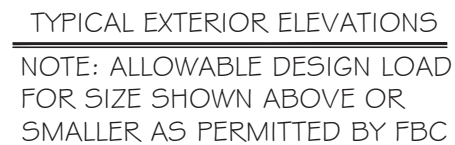
FLORIDA APPROVAL:
FL 47445

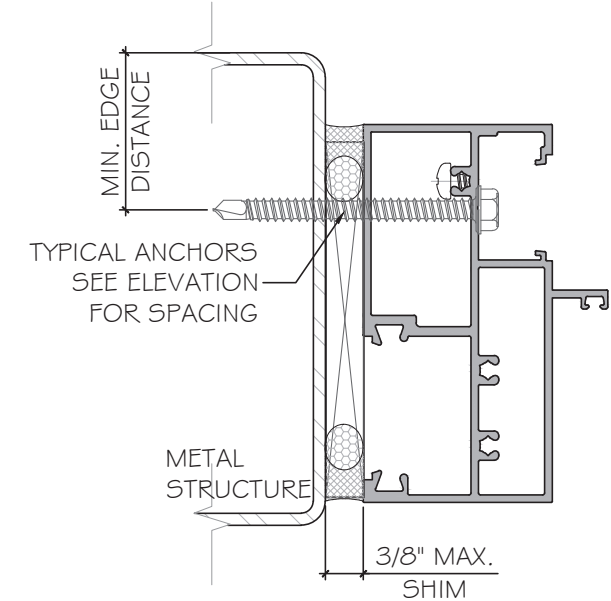
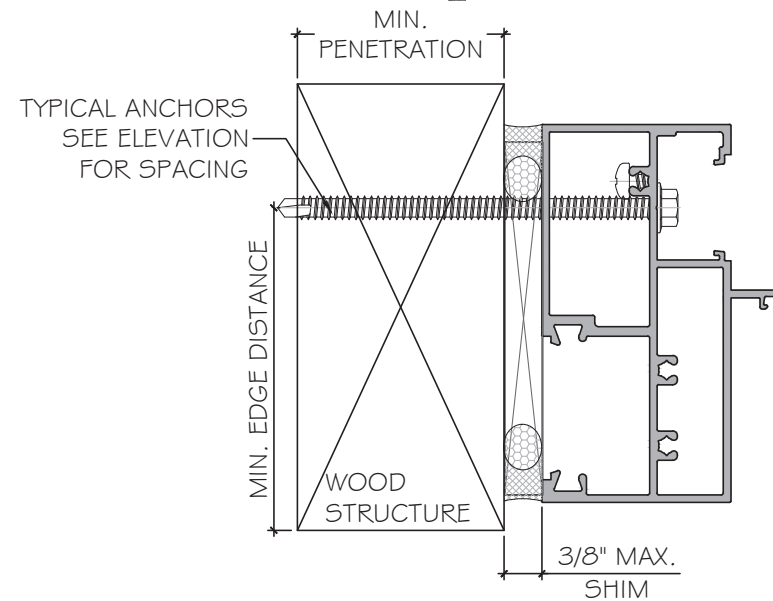
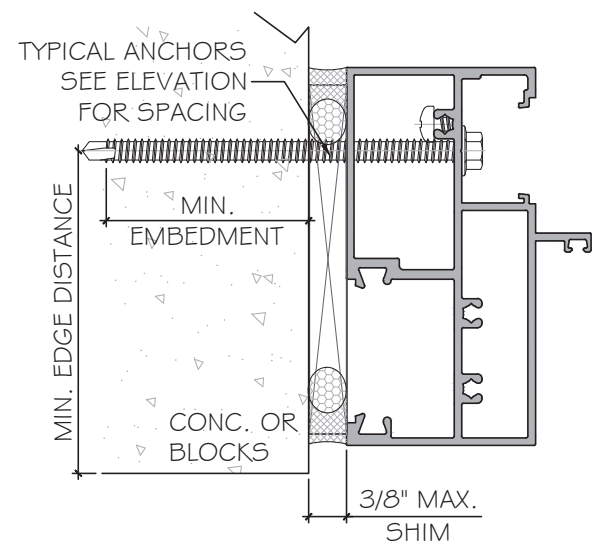
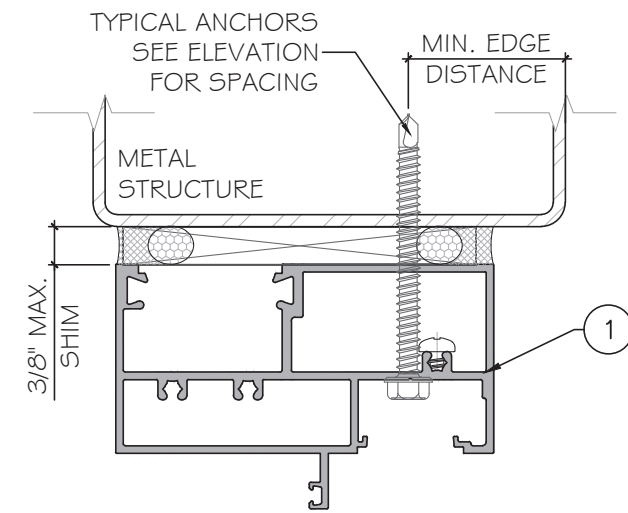
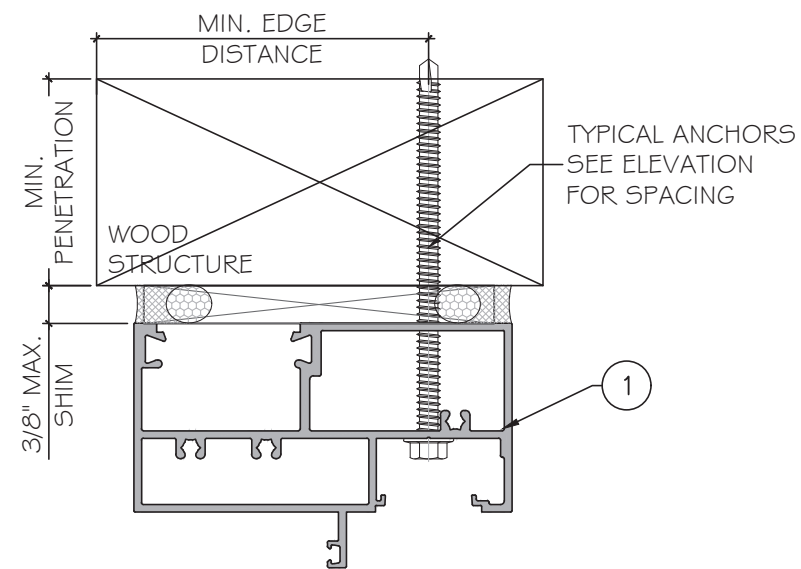
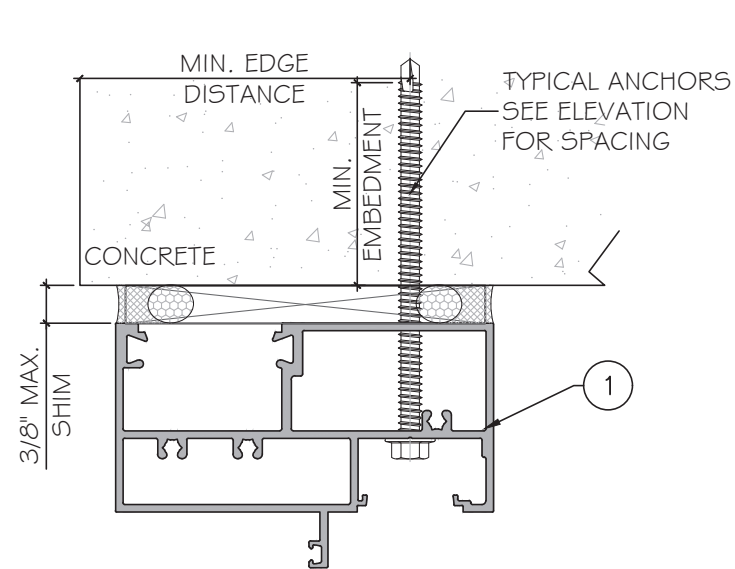


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CONTINUOUS HINGE
OR 4 BUTT HINGES
PER DOOR JAMB





TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

TYPE "A": 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu= 164 KSI, Fy= 148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1 1/2" MIN. PENETRATION INTO WOOD(HEAD/ JAMB)

THRU 1 BY WOOD BUCKS INTO CONC. OR BLOCKS
1 3/4" MIN. EMBED INTO CONCRETE (HEAD/ JAMBS)
1 3/4" MIN. EMBED INTO CONC. BLOCKS (JAMB ONLY)

DIRECTLY INTO CONC. OR BLOCKS
 1 3/4" MIN. EMBED INTO CONCRETE (HEAD/ JAMBS/ SILL)
 1 3/4" MIN. EMBED INTO CONC. BLOCKS (JAMB ONLY)

TYPE "B": 1/4" TEKS/SELF DRILLING SCREW(GRADE 5) (Fu= 120 KSI, Fy=90 KSI)
 INTO APPROVED MULLIONS
 (1/8" THK. MIN.) INTO METAL STRUCTURE

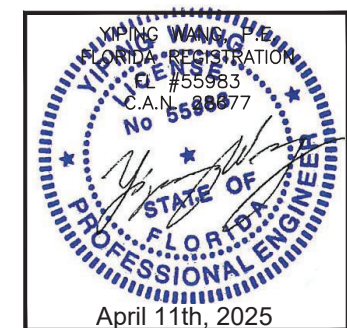
STEEL: 12 GA. MIN. (F_y=36 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PANTED)

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

WOOD SG = 0.55 MIN.
CONCRETE f'_c = 3000 psi MIN.
C-90 HOLLOW/FILLED BLOCK f'_m = 2000 psi MIN.
NORMAL STRENGTH CMU(AT JAMB ONLY)

GLAZING BEAD AT FRAME SILL SEALED TO GLASS WITH DOW CORNING 983.
FRAME CORNERS SEALED WITH DOW CORNING 999 OR EQUAL COMPATIBLE

WOOD BUCKS AND METAL STRUCTURES BY OTHERS MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



SPA 150 ALUMINUM OUTSWING FRENCH DOOR - L.M.I..

ELITE DOORS AND WINDOWS, INC.
4780 CORONA AVENUE, VERNON, CALIFORNIA 90058

TEL. 310 487 3334
EMAIL: Gino@elitedoorswindows.com

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

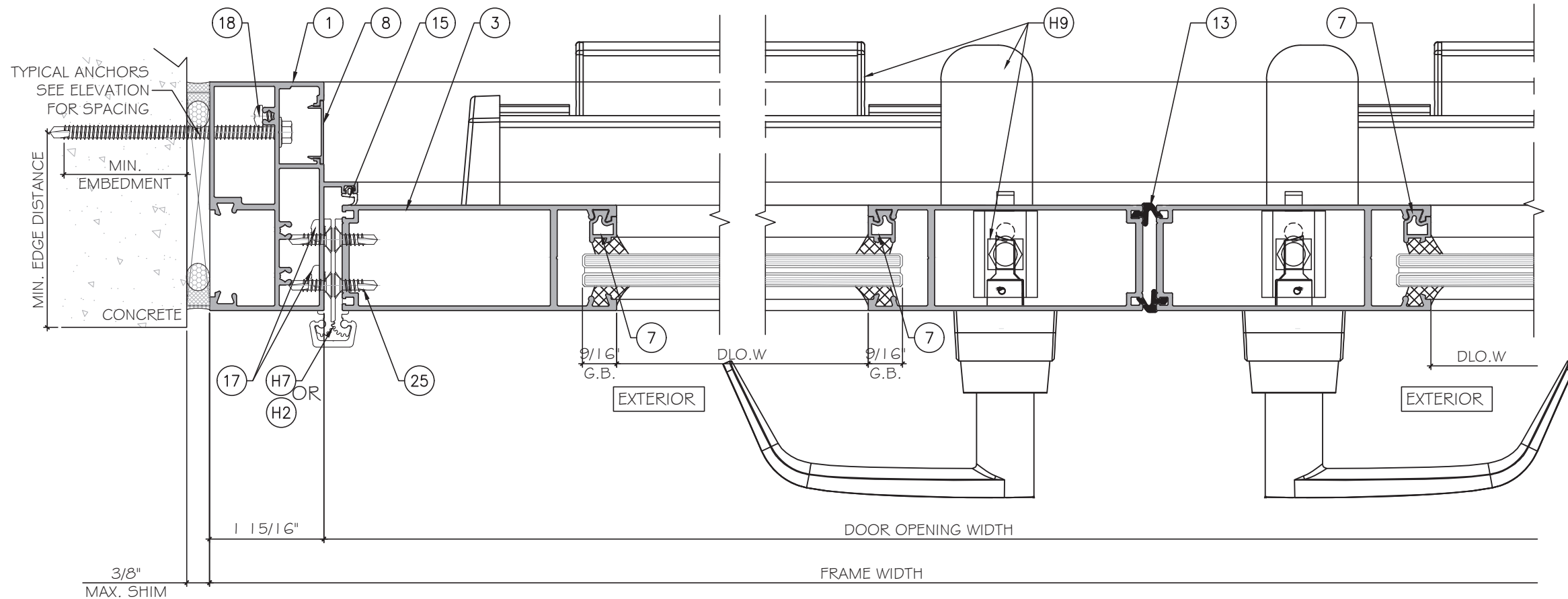
12781 MIRAMAR PKWY. STE. 301

MIRAMAR, FL 33027 P: 305 271-0117

www.MCYEngineering.com

mcy@mcyengineering.com

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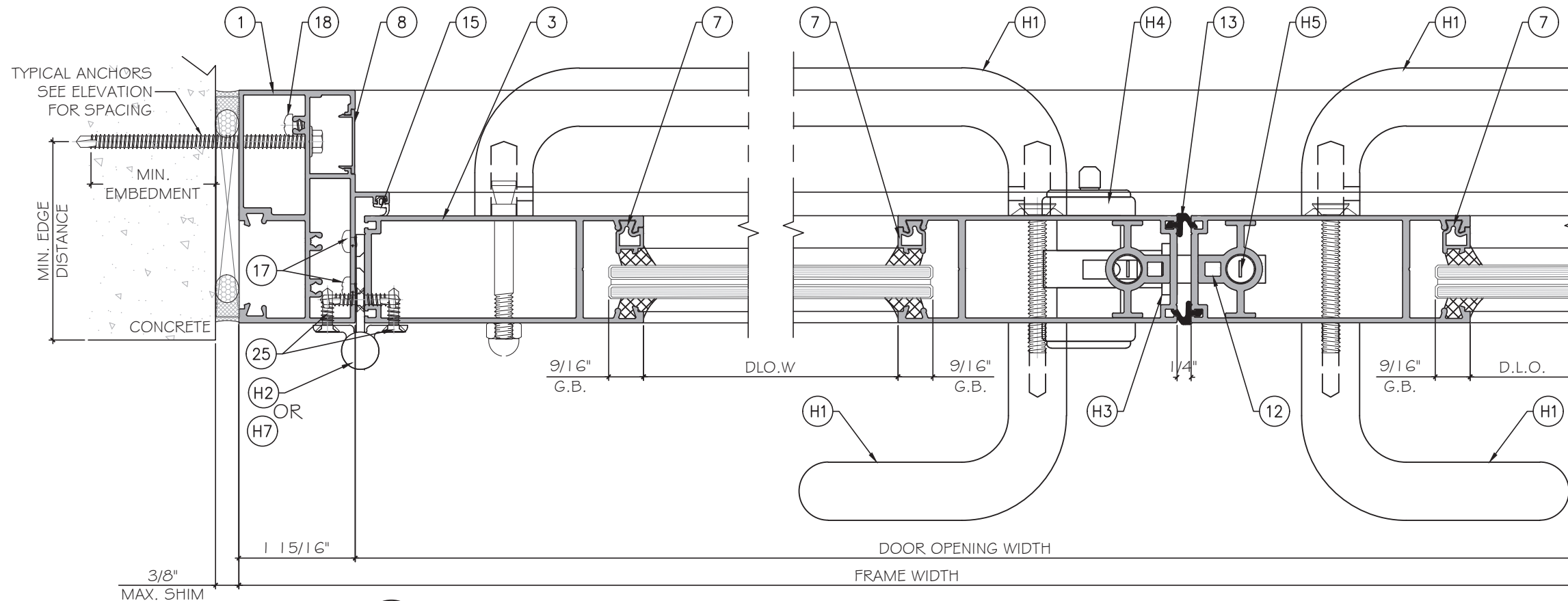


1
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DETAIL

2
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DETAIL



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DETAIL

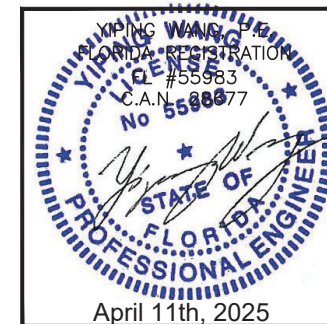
HARDWARE
OPTION

2
DI

DETAIL

HARDWARE
OPTION

FLORIDA APPROVAL:
FL 47445



SPA 150 ALUMINUM OUTSWING FRENCH DOOR - L.M.I.

ELITE DOORS AND WINDOWS, INC.
4780 CORONA AVENUE, VERNON, CALIFORNIA 90058

TEL: 310 487 3334

EMAIL: Gino@elitedoorswindows.com

Drawn Date	04.08.2025	SCALE	AS SHOWN
Drawn By	James	Rev. No.	RO
Date	04.08.2025	Description	NEW APPLICATION
DRAWING NO.	AD25-26		
SHEET NO.	5 OF 14		

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

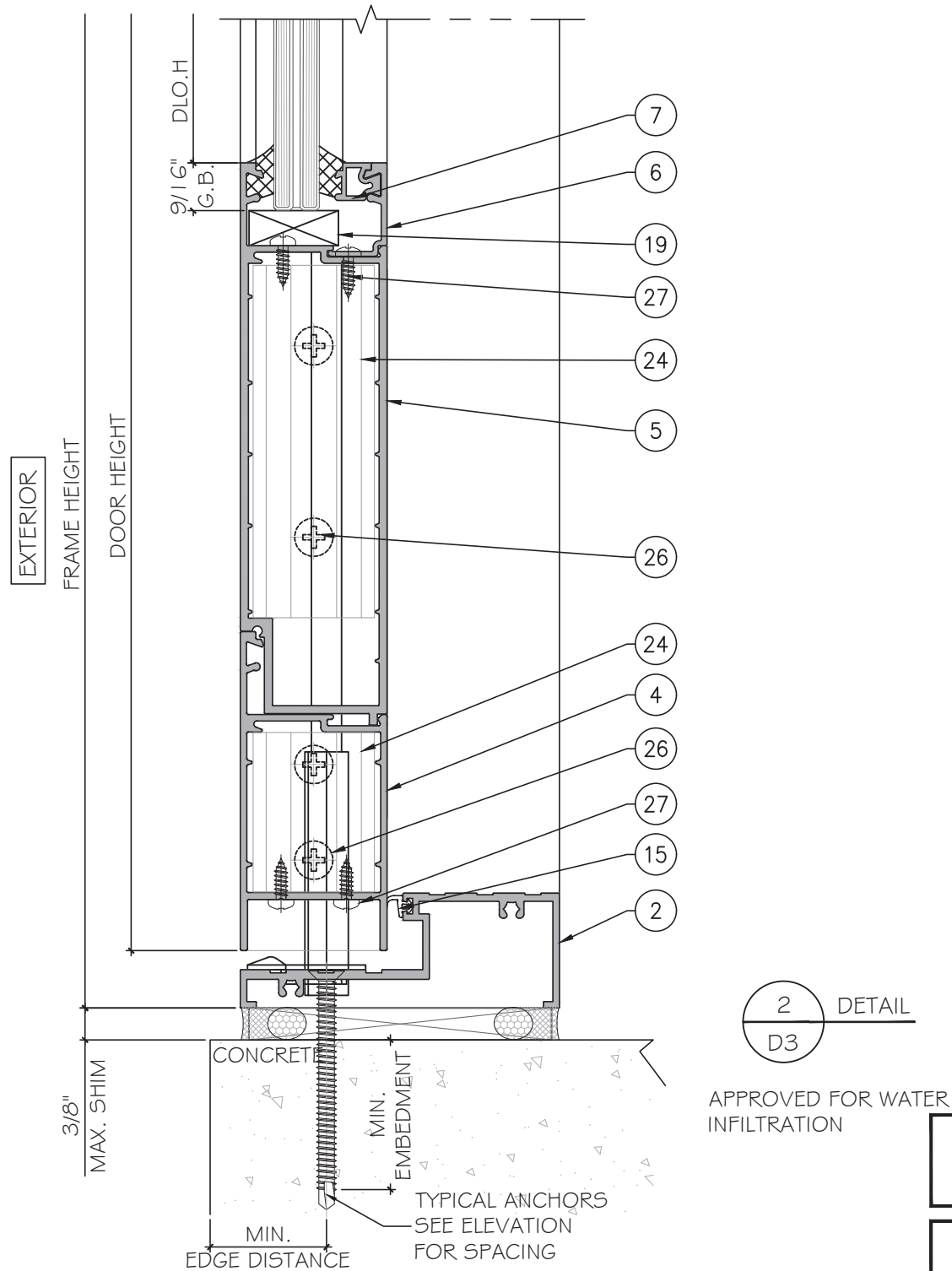
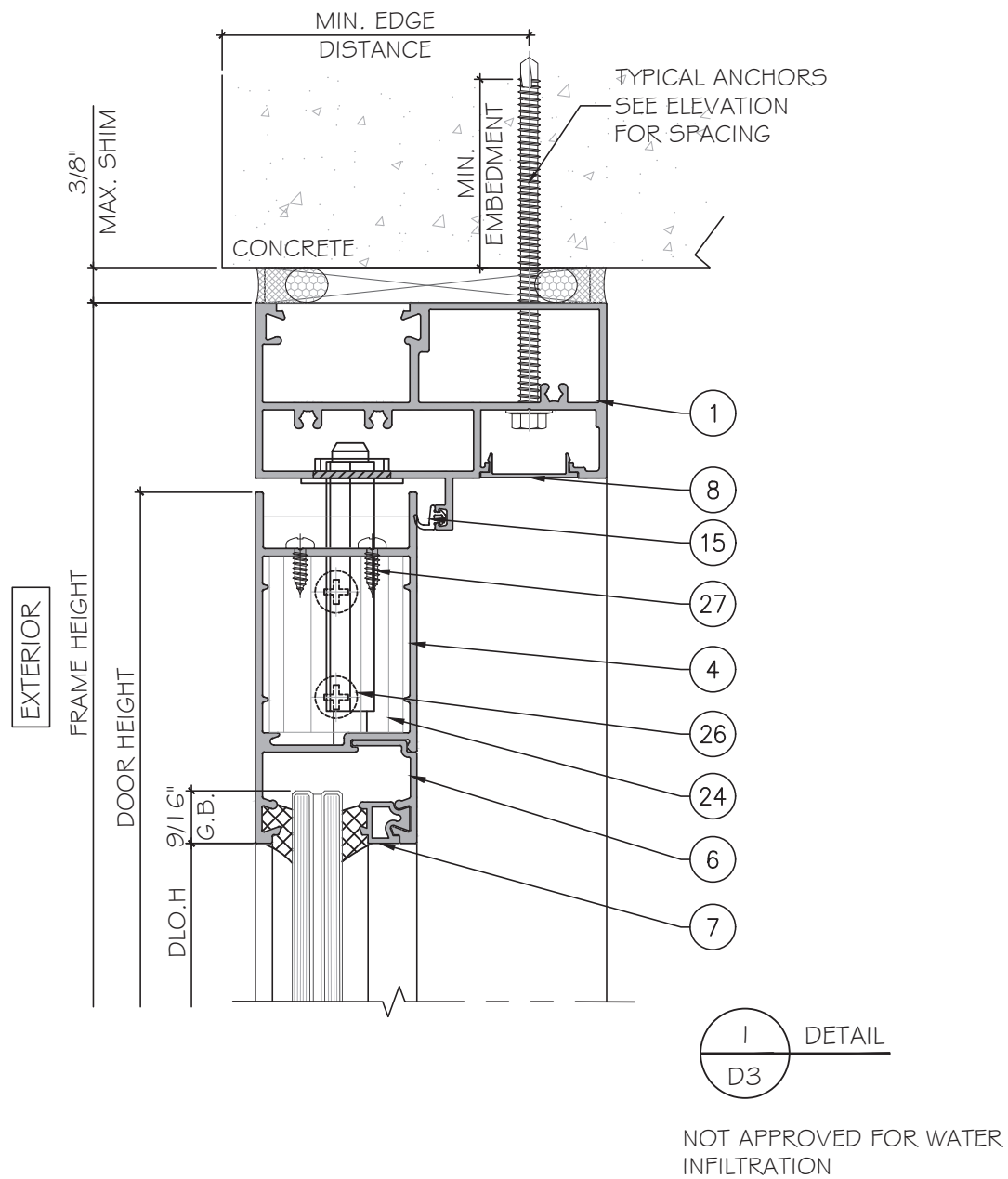
12781 MIRAMAR PKWY. STE. 301

MIRAMAR, FL 33027

P: 305 271-0117

www.MCYEngineering.com

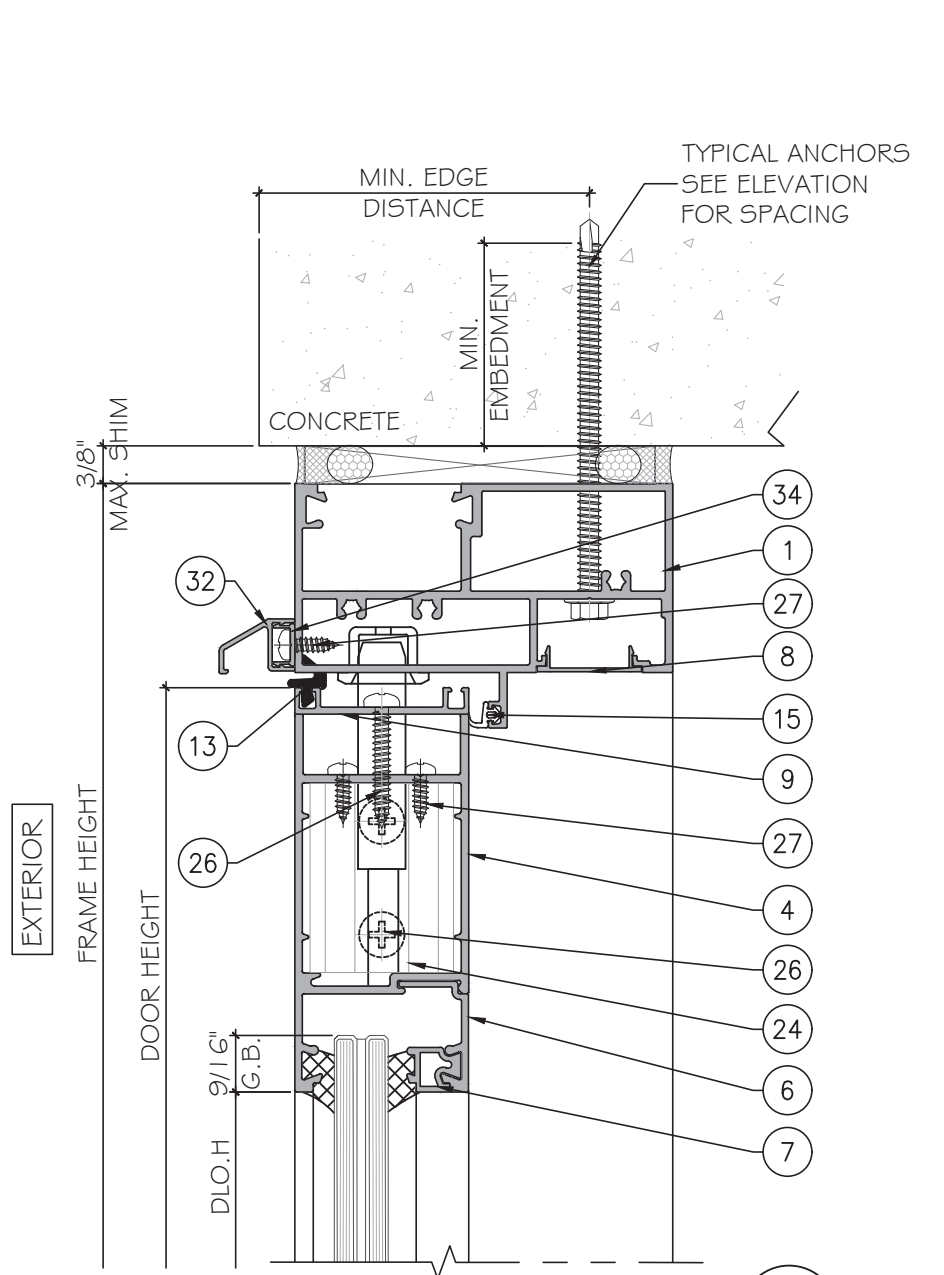
mcy@mcyengineering.com



FLORIDA APPROVAL:
FL 47445

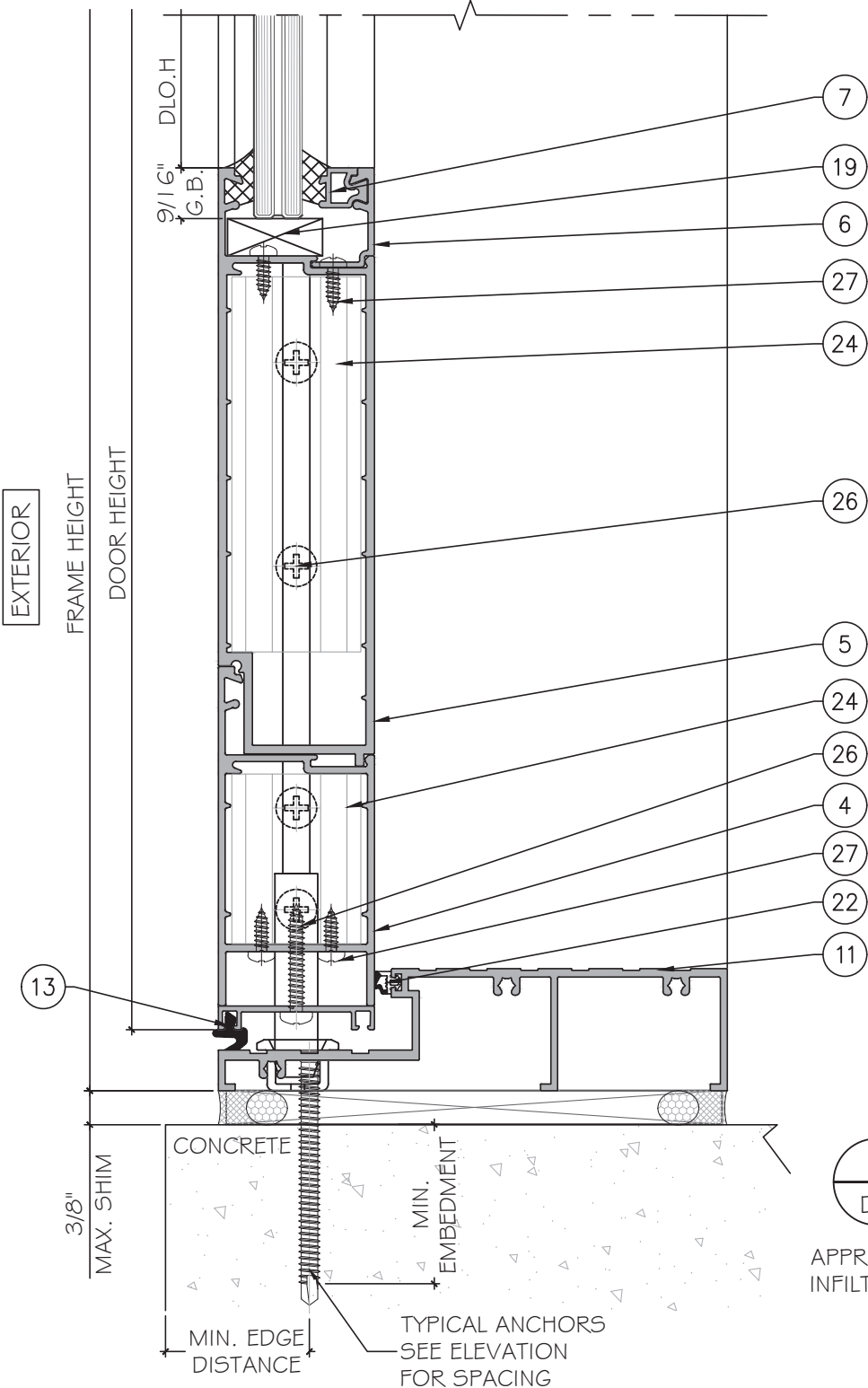
YIP HONG WANG
FLORIDA REGISTRATION
No. 555983
C.A.N. 8877

April 11th, 2025



1
D4

APPROVED FOR WATER INFILTRATION



2
D4

APPROVED FOR WATER INFILTRATION

FLORIDA APPROVAL:
FL 47445



SPA 150 ALUMINUM OUTSWING FRENCH DOOR - L.M.I.
ELITE DOORS AND WINDOWS, INC.
4780 CORONA AVENUE, VERNON, CALIFORNIA 90058
TEL. 310 487 3334
EMAIL: Gino@elitedoorswindows.com

Rev. No.	Date	Drawn By	Description
RO	04.08.2025	James	NEW APPLICATION

Drawn Date: 04.08.2025
SCALE: AS SHOWN

DRAWING NO.
AD25-26

D4

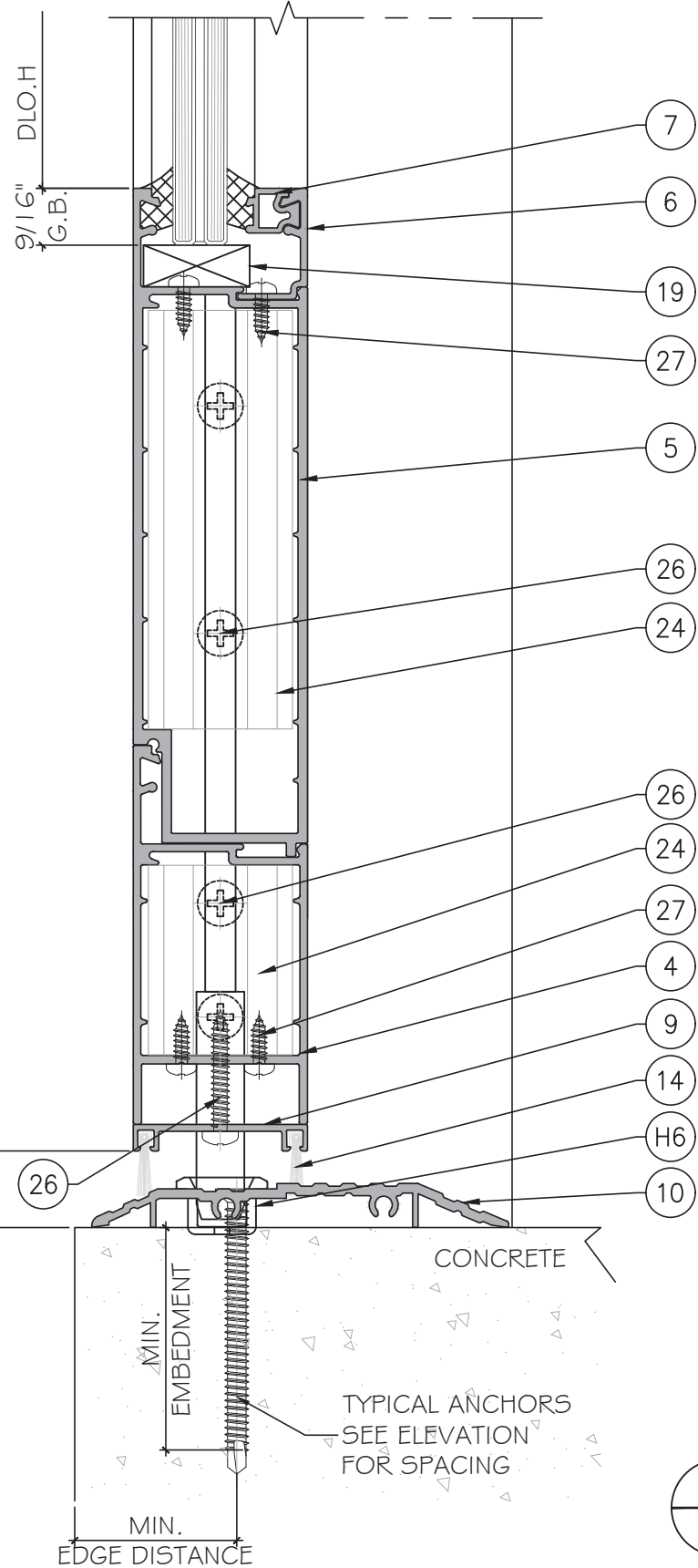
Sheet No.
8 OF 14

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027
P: 305 271-0117
www.MCYEngineering.com
mcy@mcycengineering.com

EXTERIOR

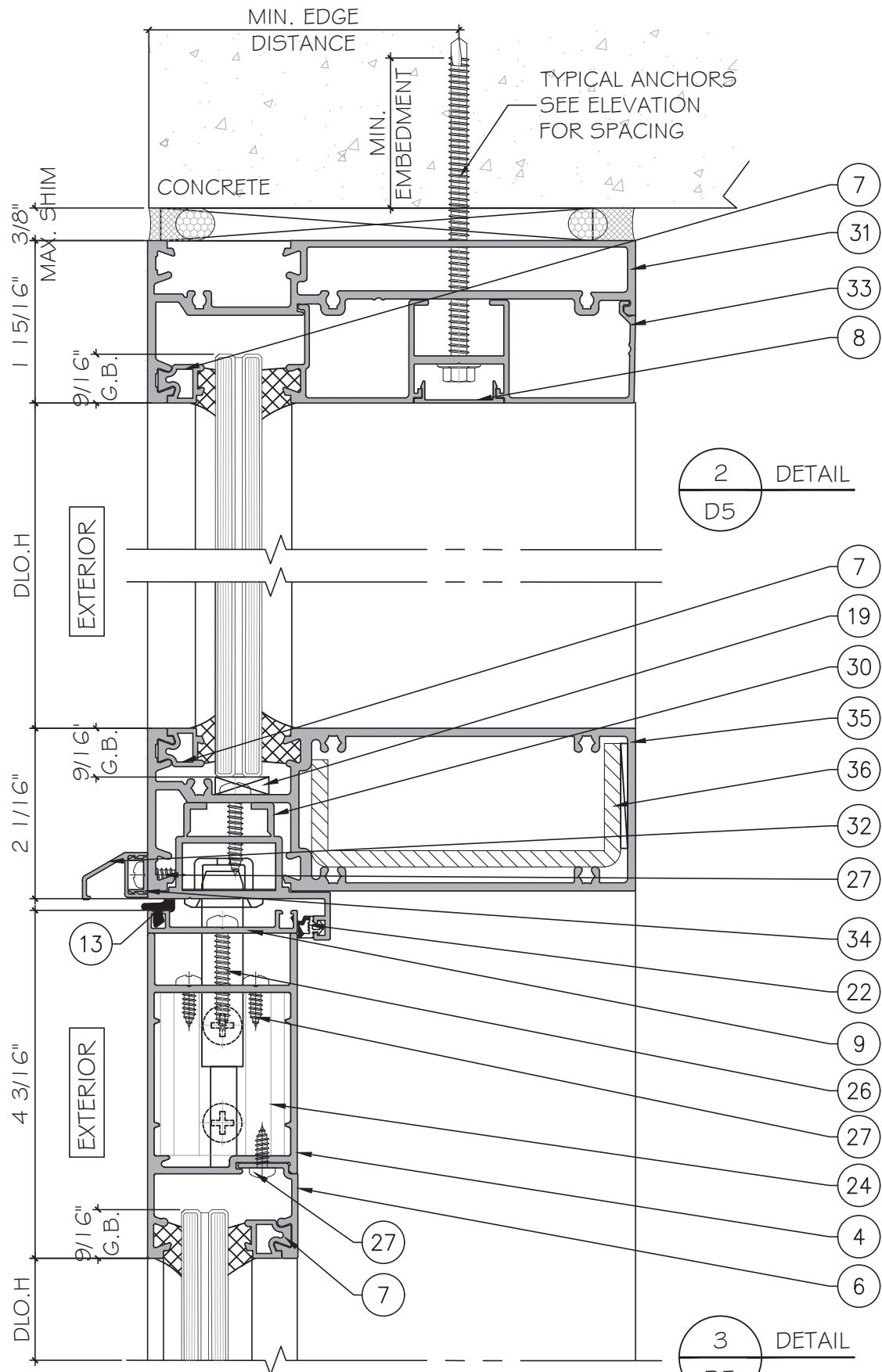
FRAME HEIGHT

DOOR HEIGHT



1
D5

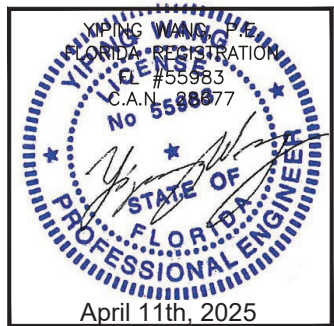
ADA COMPLIANT THRESHOLD
NOT APPROVED FOR WATER
INFILTRATION



3
D5

APPROVED FOR
WATER INFILTRATION
WITH ITEM 32
ATTACHED

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FL 47445



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SPA 150 ALUMINUM OUTSWING FRENCH DOOR - L.M.I.

ELITE DOORS AND WINDOWS, INC.

4780 CORONA AVENUE, VERNON, CALIFORNIA 90058

TEL. 310 487 3334

EMAIL: Gino@elitedoorswindows.com

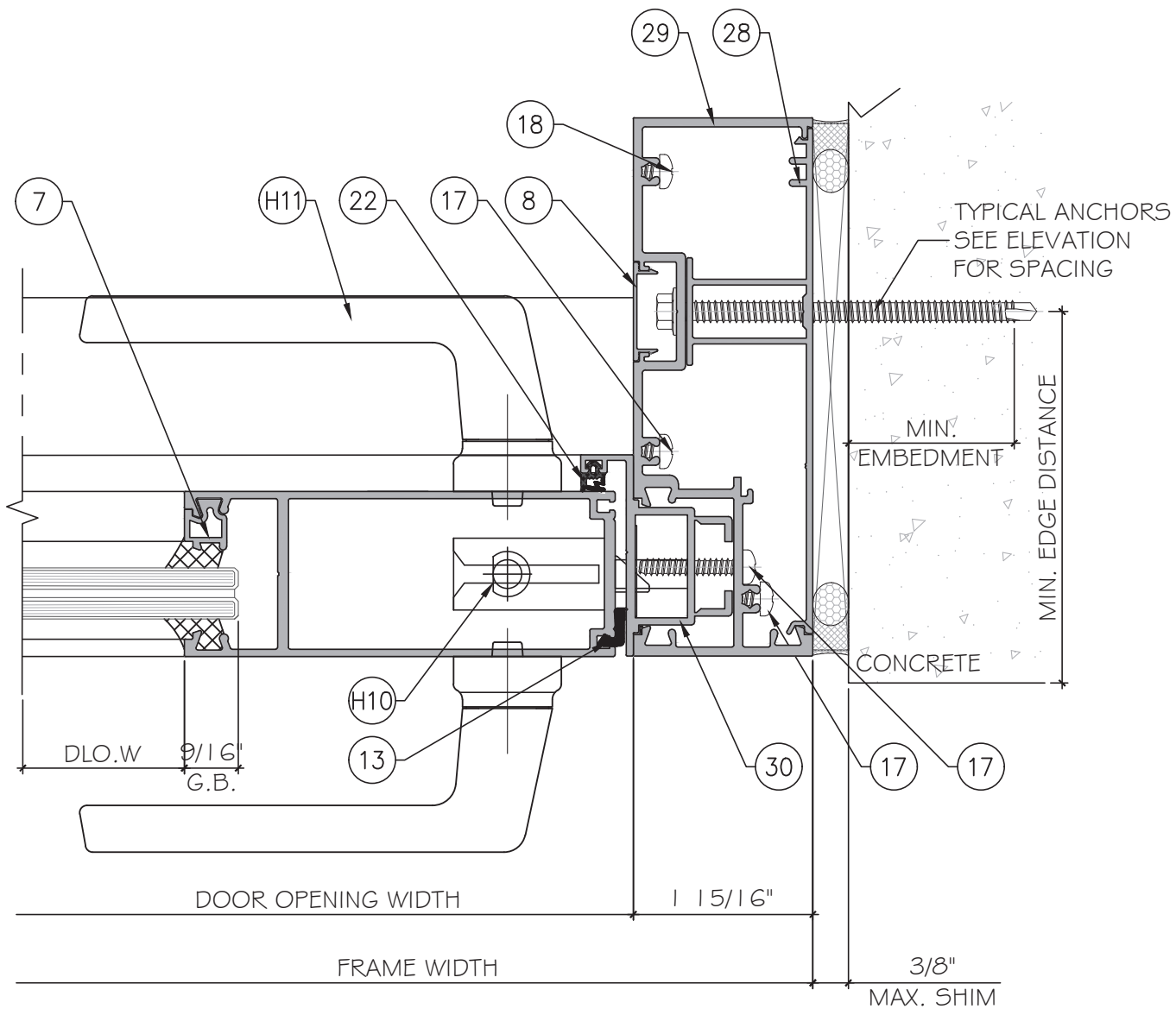
Rev. No.	Date	Drawn By	Description
RO	04.08.2025	James	NEW APPLICATION

Drawn Date	SCALE
04.08.2025	AS SHOWN

DRAWING NO.
AD25-26

D5

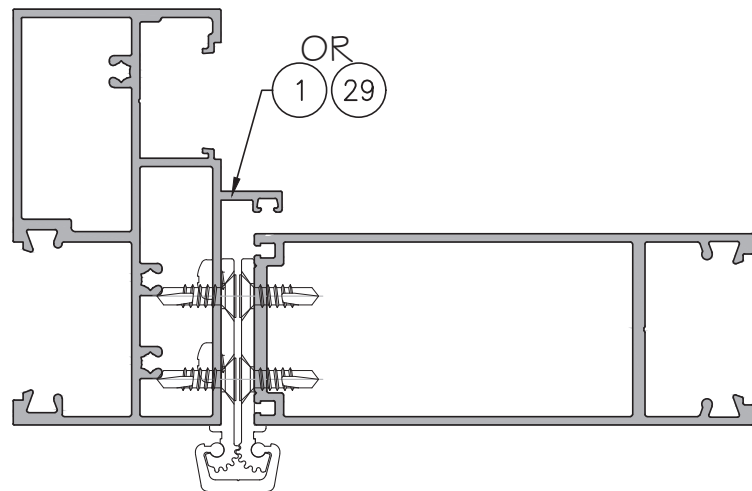
Sheet No.
9 OF 14



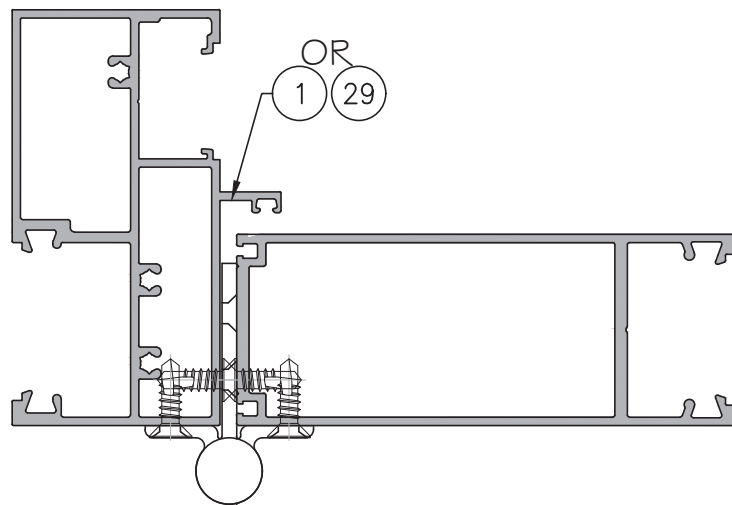
I
D6

DETAIL

HINGE OPTION #1:
YHG004 CONTINUOUS HINGE
FASTENED TO DOOR STILE OR FRAME JAMB WITH #12 X 3/4" FH
S.S. SCREW @8" O.C. IN PAIRS PER SIDE



HINGE OPTION #2:
DH114 FAST HINGE
4 PER LEAF
8" FROM TOP END AND 6.5" FROM BOTTOM END, EQUAL SPACE
FASTENED TO DOOR STILE OR FRAME JAMB WITH (4) #12 X 3/4"
FH S.S. SCREW PER HINGE



FLORIDA APPROVAL:

FL 47445

YIPING WANG
FLORIDA REGISTRATION
#55983
C.A.N. 8877
No 55983

STATE OF FLORIDA
PROFESSIONAL ENGINEER

April 11th, 2025

SPA 150 ALUMINUM OUTSWING FRENCH DOOR - L.M.I.
ELITE DOORS AND WINDOWS, INC.
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D6			
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LOCK OPTION #1

The technical drawing for Lock Option #1 shows four components: a vertical bolt (H5), a rectangular bolt keeper (H6), a door lock unit (H10), and a handle (H11). The bolt and bolt keeper are made of stainless steel, while the door lock unit is also stainless steel and the handle is made of zinc alloy. The door lock unit is shown in an exploded view, showing its internal components and how it fits into the door frame. The handle is shown in a side view, showing its L-shaped profile and mounting holes.

H5 BOLT FB06
STAINLESS STEEL

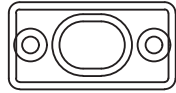
H6 BOLT KEEPER ACHSPA003
STAINLESS STEEL

H10 DOOR LOCK UNIT DS1297
STAINLESS STEEL

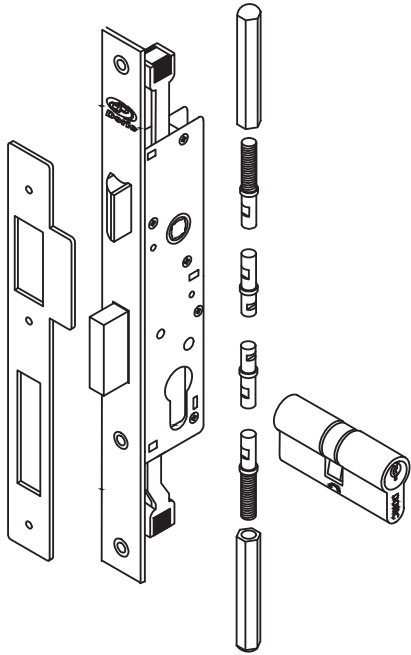
H11 HANDLE DS1600
ZINC ALLOY



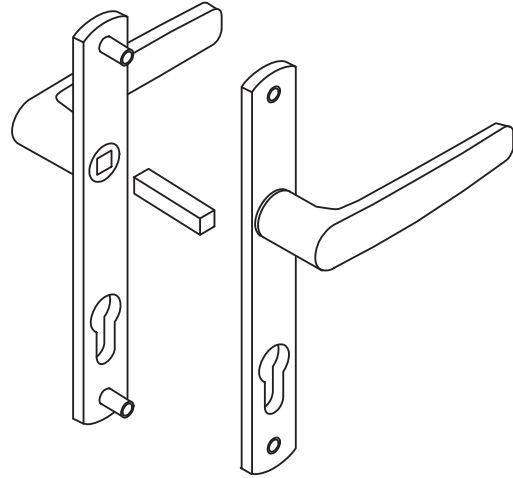
(H5) BOLT FB06
STAINLESS STEEL



H6 BOLT KEEPER ACHSPA003
STAINLESS STEEL




DOOR LOCK UNIT DS1 297
STAINLESS STEEL




 HANDLE DS1600
 ZINC ALLOY

LOCK OPTION #2

H1

PUSH BAR AND PULL HANDLE
30640+30660
ALUMINUM

H4

CYLINDER #18A+#19A
COPPER

H3

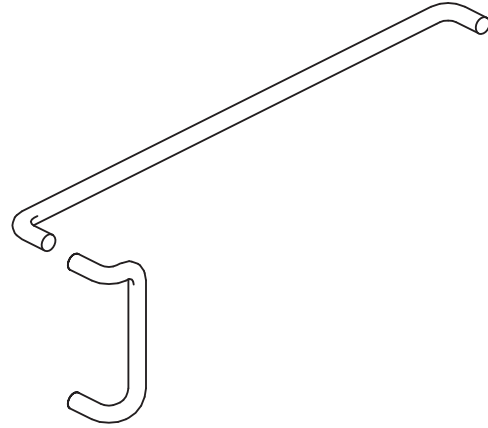
MULTI-POINT LOCK #14
STEEL

H5

BOLT FB06
STAINLESS STEEL

H6

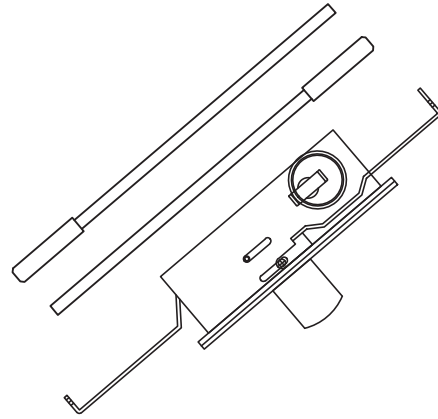
BOLT KEEPER ACHSPA003
STAINLESS STEEL



PUSH BAR AND PULL HANDLE
30640+30660
ALUMINUM



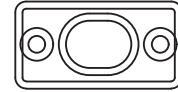
H4 CYLINDER #18A+#19A
COPPER



H3 MULTI-POINT LOCK #14
STEEL



(H5) BOLT FB06
STAINLESS STEEL

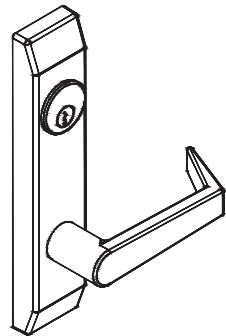


H6 BOLT KEEPER ACHSPA003
STAINLESS STEEL

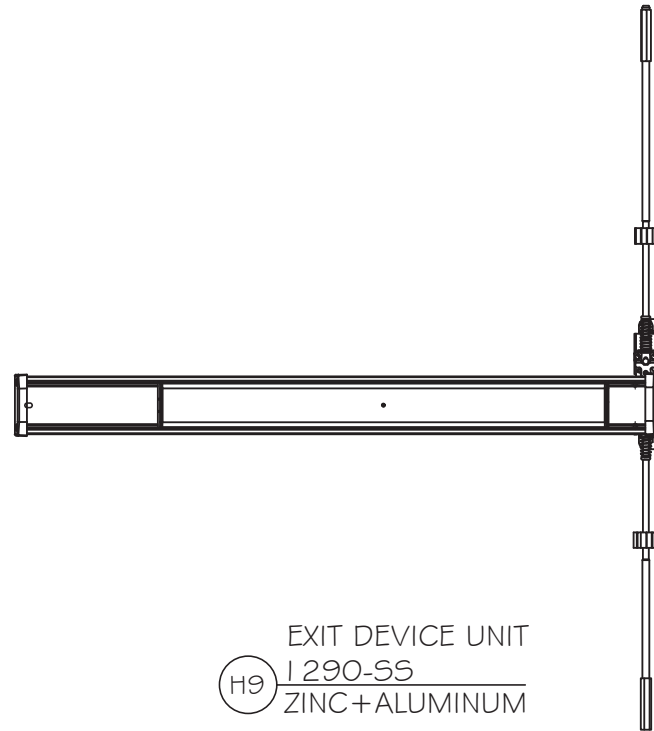
LOCK OPTION #3

EXIT DEVICE TRIM HANDLE
PY1-07
ALUMINUM

EXIT DEVICE UNIT
I290-SS
ZINC+ALUMINUM



EXIT DEVICE TRIM HANDLE
PY1-07
ALUMINUM



EXIT DEVICE UNIT
1290-SS
ZINC+ALUMINUM

FL 47445



April 11th, 2025

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SPA 150 ALUMINUM OUTSWING FRENCH DOOR - L.M.I.

ELITE DOORS AND WINDOWS, INC.

12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027 P: 305 271-0117

TEL. 310 487 3334
EMAIL: Gino@elitedoorswindows.com

1 FRAME SPA10168
ALUM.6063-T5

2 DOOR SILL SPA10049
ALUM.6063-T5

3 DOOR STILE SPA10014A
ALUM.6063-T5

4 DOOR RAIL YYS048
ALUM.6063-T5

6 GLASS STOP YYS050
ALUM.6063-T5

8 COVER SPA13006
ALUM.6063-T5

9 DOOR SILL ADAPTOR SPA10108A
ALUM.6063-T5

7 LAM. GLASS POCKET SPA10016
ALUM.6063-T5

10 DOOR SILL SBW002
ALUM.6063-T5

12 BOLT HOLDER SPA10109A
ALUM.6063-T5

23 MEETING STILE ADAPTOR SPA10081
ALUM.6063-T5

11 DOOR SILL SPA15049
ALUM.6063-T5

29 FRAME SPA15001A
ALUM.6063-T5

35 MULLION SPA15041
ALUM.6063-T5

28 JAMB FILLER SPA15007A
ALUM.6063-T5

36 REINFORCING BAR
STEEL

5 BOTTOM RAIL EXTENSION SPA10159
ALUM.6063-T5

30 DOOR ADAPTOR SPA10031A
ALUM.6063-T5

24 CORNER SHEAR CLIP YYS046
ALUM.6063-T5

32 CORNICE JNSP10006
ALUM.6063-T5

31 HEAD&SILL FRAME SPA15004
ALUM.6063-T5

33 GLASS STOP SPA15015
ALUM.6063-T5

34 CLIP JNSP10005
ALUM.6063-T5

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April 11th, 2025

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SPA 150 ALUMINUM OUTSWING FRENCH DOOR - L.M.I.

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4780 CORONA AVENUE, VERNON, CALIFORNIA 90058

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12781 MIRAMAR PKWY. STE. 301

MIRAMAR, FL 33027

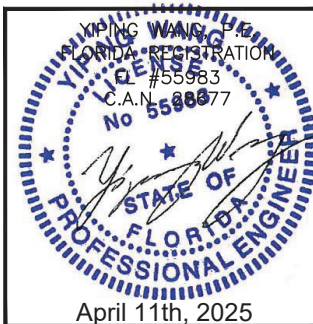
P: 305 271-0117

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BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUFACTURE
1	SPA10168	JAMB	ALUM. 6063-T5	-
2	SPA10049	DOOR SILL	ALUM. 6063-T5	-
3	SPA10014A	DOOR STILE	ALUM. 6063-T5	-
4	YYS048	DOOR RAIL	ALUM. 6063-T5	-
5	SPA10159	BOTTOM RAIL EXTENSION	ALUM. 6063-T5	-
6	YYS050	GLASS STOP	ALUM. 6063-T5	-
7	SPA10016	LAM. GLASS POCKET	ALUM. 6063-T5	-
8	SPA13006	COVER	ALUM. 6063-T5	-
9	SPA10108A	DOOR SILL ADAPTOR	ALUM. 6063-T5	-
10	SBW002	DOOR SILL	ALUM. 6063-T5	-
11	SPA15049	DOOR SILL	ALUM. 6063-T5	-
12	SPA10109A	BOLT HOLDER	ALUM. 6063-T5	-
13	KS525	FOAMING GASKET, ADUROMETER 9±2 SHORE A	FOAM	-
14	-	3.8X17 BRUSH SWEEPS	POLYAMIDE	-
15	SBWG-003	EPDM GASKET, ADUROMETER 70±5 SHORE A	EPDM	-
16	SBWG-26162	EPDM GASKET, ADUROMETER 70±5 SHORE A	EPDM	-
17	-	FRAME ASSEMBLY SCREWS DIA. 3/16" X 1 1/4"	410 STAINLESS STEEL	-
18	-	FRAME ASSEMBLY SCREWS DIA. 3/16" X 2 3/8"	410 STAINLESS STEEL	-
19	-	SETTING BLOCK, 15/32" X 1". ADUROMETER 80±5 SHORE A.	EPDM	-
20	SBWG-031	EPDM GASKET, ADUROMETER 70±5 SHORE A	EPDM	-
21		STRUCTURAL SILICONE DOWSIL 995	SILICONE	DOWSIL
22	SBWG-001	EPDM GASKET, ADUROMETER 70±5 SHORE A	EPDM	-
23	SPA10081	MEETING STILE ADAPTOR	ALUM. 6063-T5	-
24	YYS046	CORNER SHEAR CLIP	ALUM. 6063-T5	-
25	-	HINGE ASSEMBLY SCREW DIA.#12" X 3/4"	STEEL	-
26	-	FRAME ASSEMBLY SCREWS DIA. 1/4" X 1 1/2"	410 STAINLESS STEEL	-
27	-	FRAME ASSEMBLY SCREWS DIA. #8" X 1/2"	410 STAINLESS STEEL	-
28	SPA15007A	JAMB FILLER	ALUM. 6063-T5	-
29	SPA15001A	FRAME	ALUM. 6063-T5	-
30	SPA10031A	DOOR ADAPTOR	ALUM. 6063-T5	-
31	SPA15004	HEAD&SILL FRAME	ALUM. 6063-T5	-
32	JNSP10006	CORNICE	ALUM. 6063-T5	-
33	SPA15015	GLASS STOP	ALUM. 6063-T5	-
34	JNSP10005	CLIP	ALUM. 6063-T5	-
35	SPA15041	MULLION	ALUM. 6063-T5	-
36		REINFORCING BAR	STEEL	-
H1	-	PUSH BAR AND PULL HANDLE 30640 + 30660	ALUMINUM	BAODUN
H2	DH114	FAST HINGE	ALUMINUM	DORIC
H3	#014	MULTI-POINT LOCK	STEEL	DNW
H4	#18A + #19A	CLYINDER	COPPER	DNW
H5	FBO6	BOLT	STAINLESS STEEL	SINONE
H6	ACHSPA003	BOLT KEEPER	STAINLESS STEEL	SINONE
H7	YHG004	CONTINUOUS HINGE	ALUMINUM	YOTI
H8	PY1-07	EXIT DEVICE TRIM HANDLE	ALUMINUM	JANDY
H9	I290-SS	EXIT DEVICE UNIT	ZINC ALUMINUM	SINONE
H10	DS1297	DOOR LOCK UNIT	STAINLESS STEEL	DORIC
H11	DS1600	HANDLE	ZINC ALLOY	DORIC

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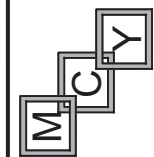


SPA 150 ALUMINUM OUTSWING FRENCH DOOR - L.M.I..

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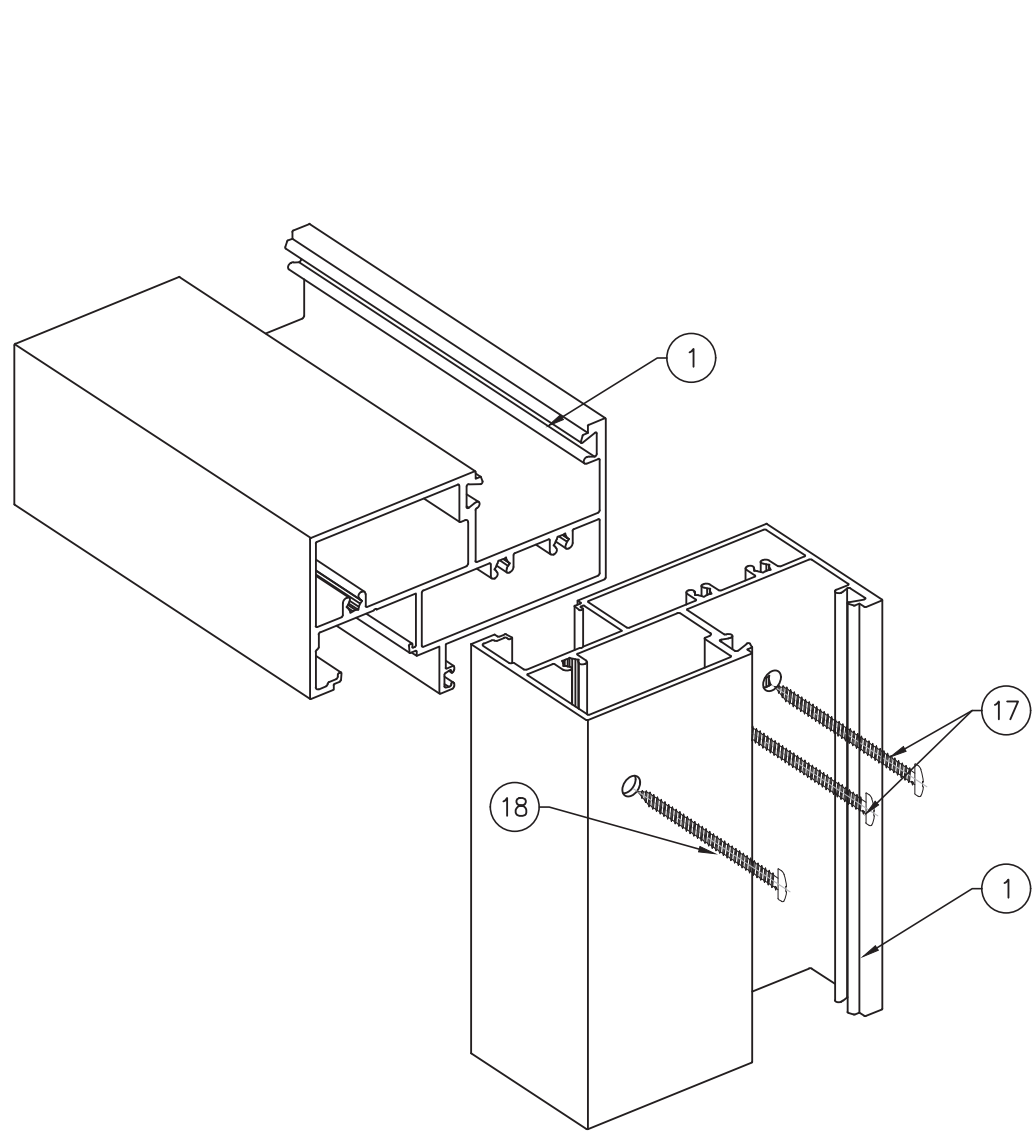


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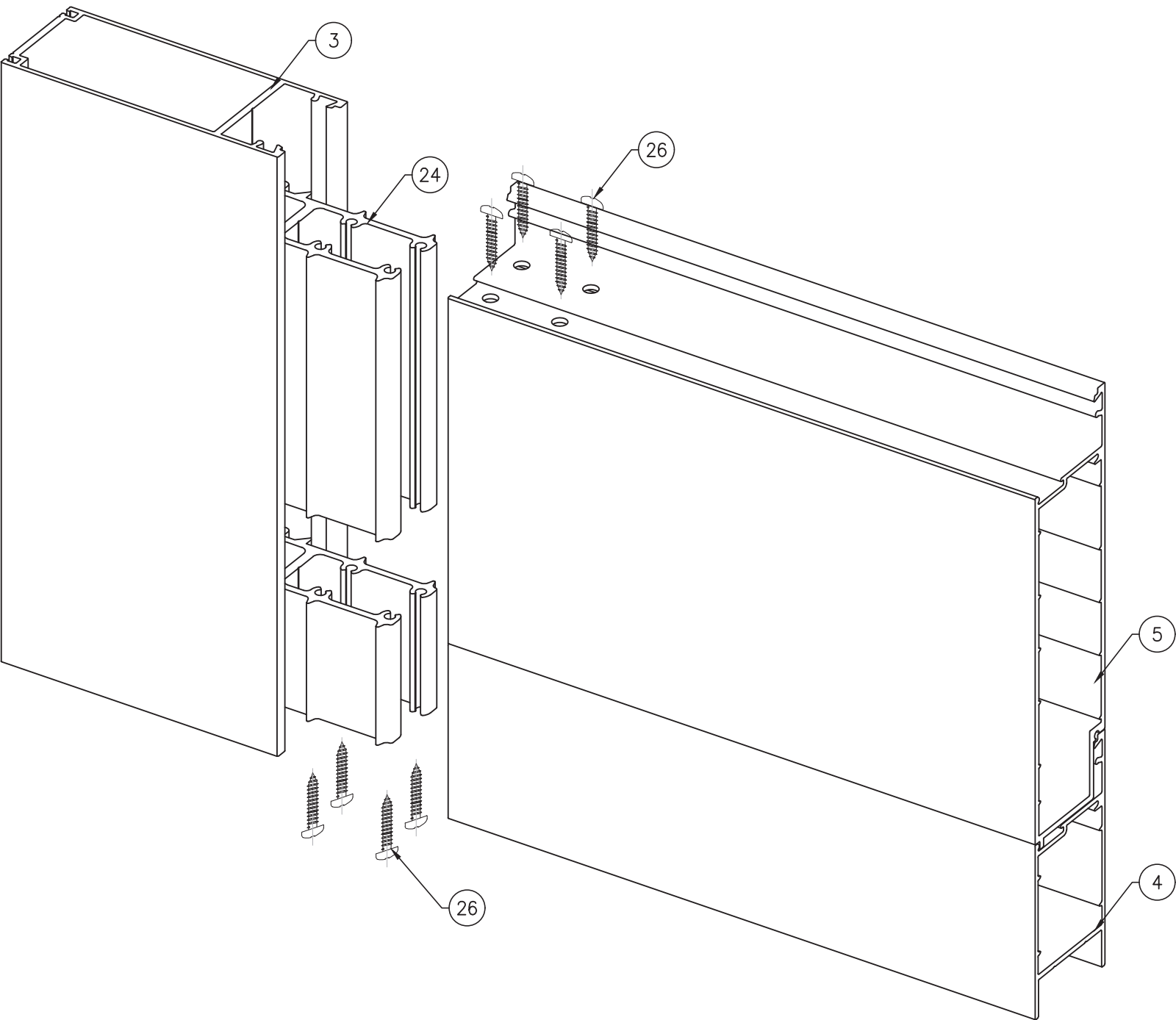
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[illegible]



DOOR FRAME ASSEMBLY



DOOR LEAF ASSEMBLY

FLORIDA APPROVAL:
FL 47445

YIP HING WANG
FLORIDA REGISTRATION
No. 55583
C.A.N. 88877
STATE OF FLORIDA
PROFESSIONAL ENGINEER
April 11th, 2025

Drawn Date	04.08.2025	SCALE	AS SHOWN
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SHEET NO.	14 OF 14		

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