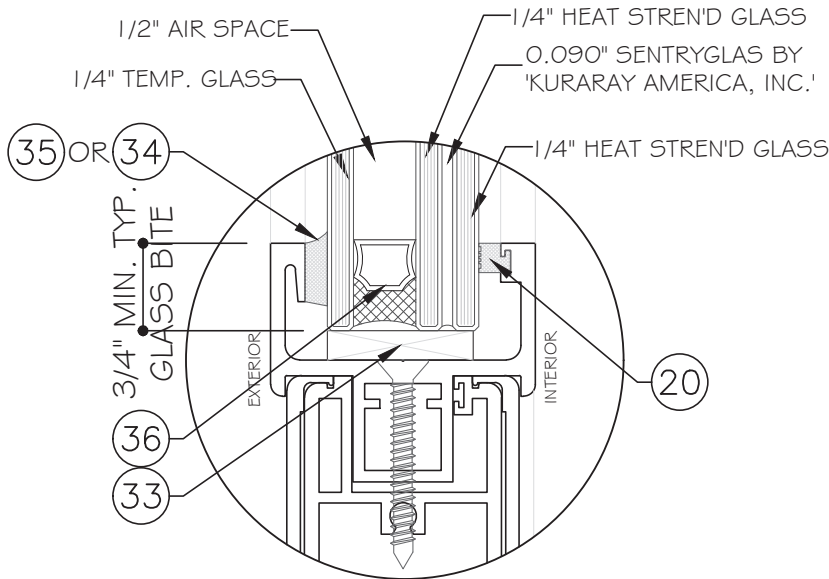


CONTINENTAL GLASS SYSTEMS, LLC.

SERIES 10500 ALUMINUM STOREFRONT ENTRANCE DOOR

LARGE MISSILE IMPACT (LMI) - IMPACT LEVEL 'D'



GLASS TYPE 'GL-1'

1-5/16" NOMINAL OVERALL

NOTE:

GLASS COMPLIES WITH ASTM E1300-16
(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 RATED FOR LARGE MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED.
- DOORS ARE APPROVED FOR WATER INFILTRATION WITH HIGH RISE SILL OPTION.
- 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 AND WOOD STRUCTURES NOT BY CONTINENTAL GLASS SYSTEMS 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.
- 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.

INSTRUCTIONS:

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.
- STEP 2: SEE TYPICAL ELEVATIONS FOR SINGLE DOOR OR DOUBLE DOOR ON SHEETS 'E1' & 'E2' WITH ALLOWABLE DESIGN LOAD CAPACITY.
- STEP 3: ANCHOR LAYOUT AND QUANTITY AT MEETING STILE SEE SHEETS 'E1' OR 'E2' FOR REQUIREMENT. APPROVED ANCHOR TYPES SEE SHEET A1.
- STEP 4: HARDWARE OPTION SPECIFICATIONS SEE SHEET 'H1'.

ABBREVIATIONS AND SYMBOLS

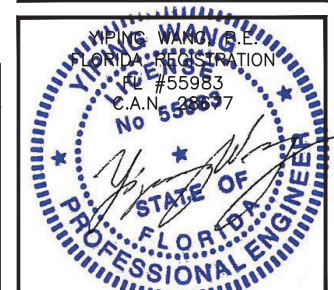
D.L.O. - DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER

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.
- 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#35404.1



December 22nd, 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

325 West 74 Place, Hialeah, FL 33014
TEL. (305) 231-1101

Serie 10500 Storefront Outswing Entrance Door - LMI & SMI
 CONTINENTAL GLASS SYSTEMS, LLC

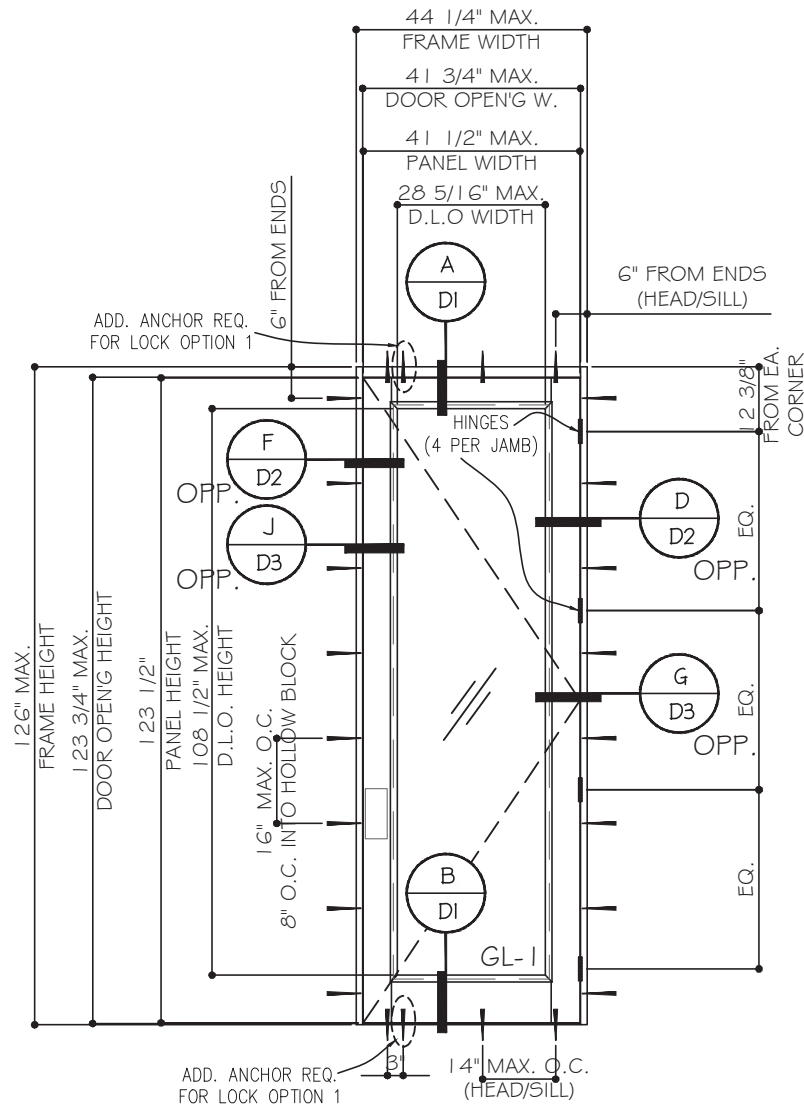
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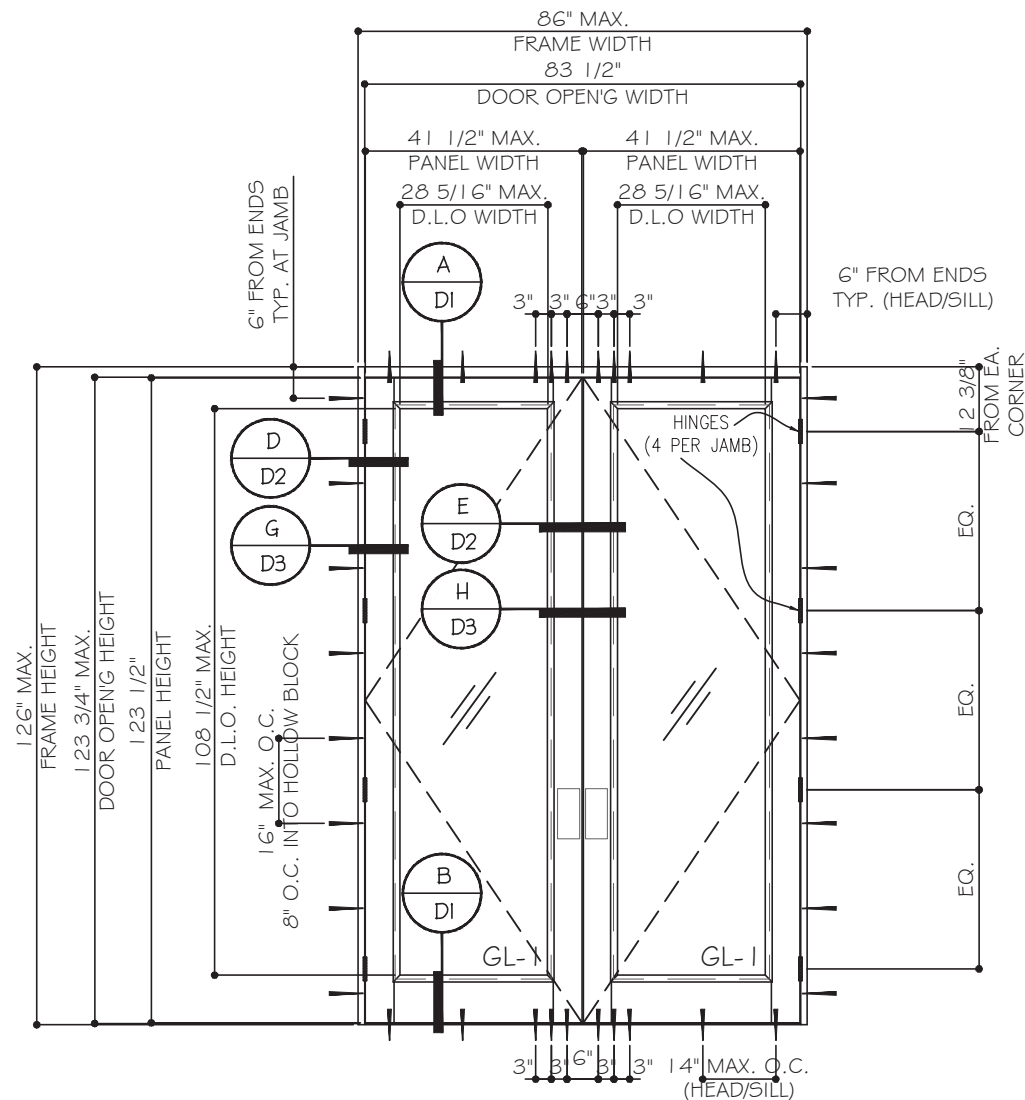
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TYPICAL SINGLE DOOR (X) ELEVATION

SEE SHEET 'H I' FOR HARDWARE OPTIONS
SEE SHEET 'A I' FOR ANCHOR OPTIONS



TYPICAL DOUBLE DOOR (XX) ELEVATION

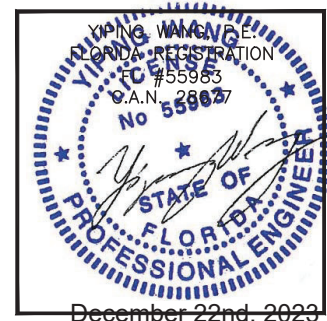
SEE SHEET 'H I' FOR HARDWARE OPTIONS
SEE SHEET 'A I' FOR ANCHOR OPTIONS

DESIGN LOAD CAPACITY (P.S.F.)		MAXIMUM D.L.O. WIDTH	MAXIMUM D.L.O. HEIGHT
POSITIVE	NEGATIVE		
100	100	28 5/16"	108 1/2"

NOT APPROVED FOR WATER INFILTRATION REQ.

NOTE: ELEVATION SHOWN USE COMMERCIAL ADA SILL (ITEM 13). SEE DETAIL 'B' ON SHEET D I

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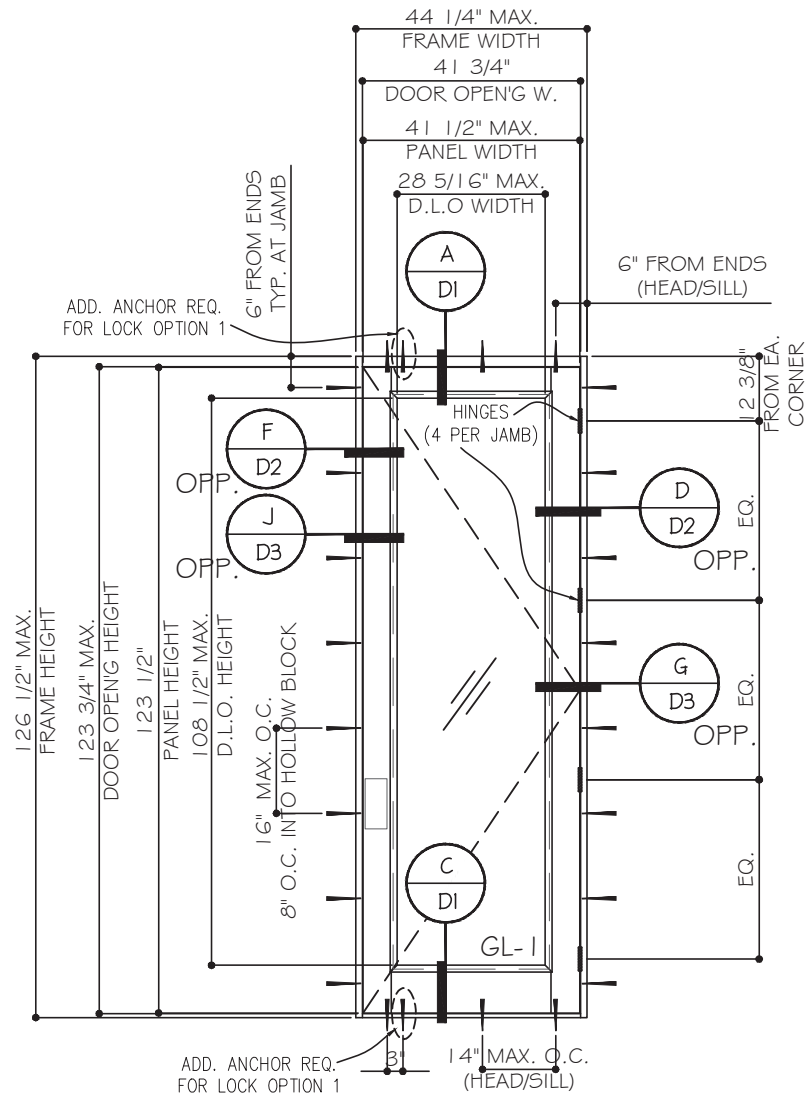
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027
P: 305.271.0117
www.MCYEngineering.com mcy@mcyengineering.com

Series 10500 Storefront Outswing Entrance Door - LMI & SMI

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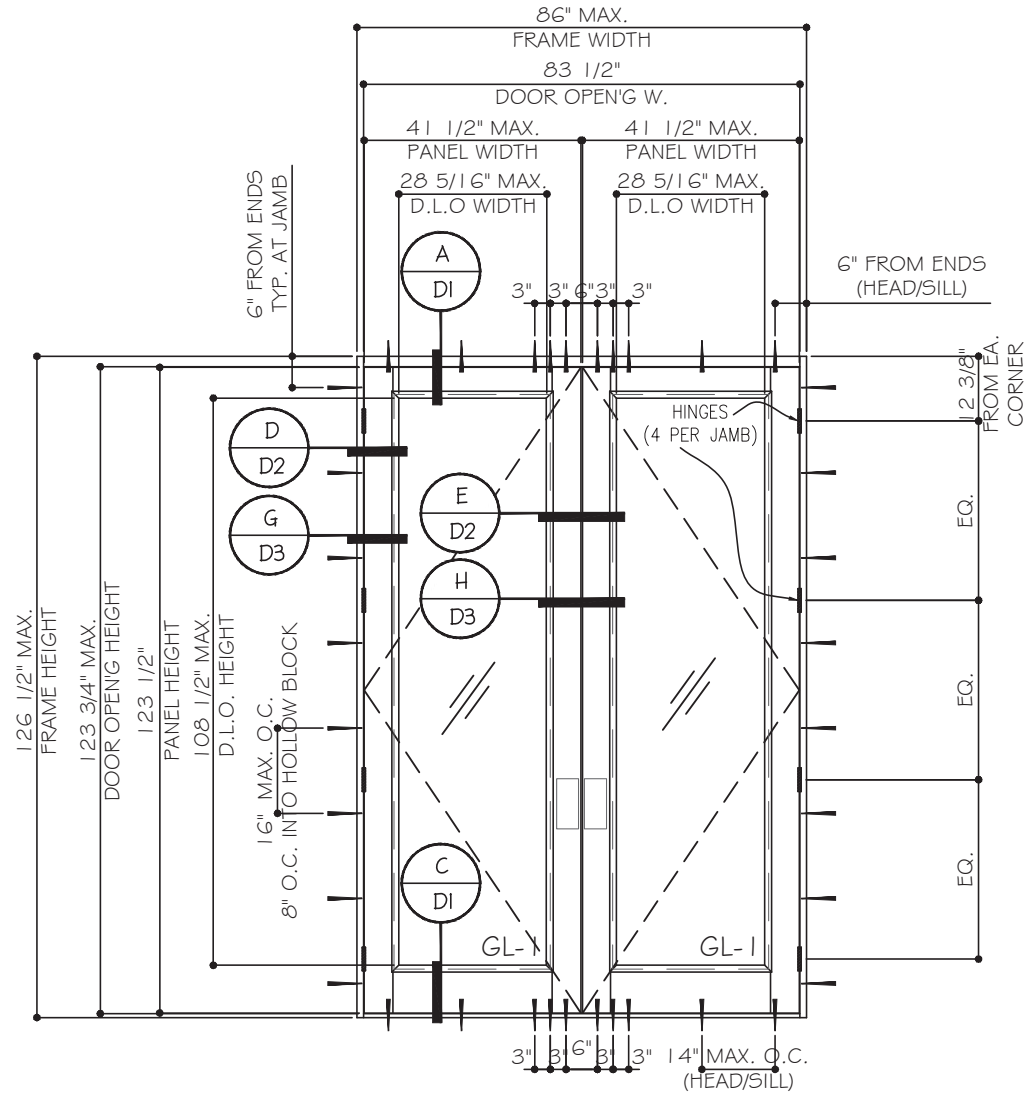
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Rev. No. R2	Date 12.14.2023	Drawn By James	Description FBC 2023



TYPICAL SINGLE DOOR (X) ELEVATION

SEE SHEET 'H I' FOR HARDWARE OPTIONS
SEE SHEET 'A I' FOR ANCHOR OPTIONS



TYPICAL DOUBLE DOOR (XX) ELEVATION

SEE SHEET 'H I' FOR HARDWARE OPTIONS
SEE SHEET 'A I' FOR ANCHOR OPTIONS

DESIGN LOAD CAPACITY (P.S.F.)		MAXIMUM D.L.O. WIDTH	MAXIMUM D.L.O. HEIGHT
POSITIVE	NEGATIVE		
100	100	28 5/16"	108 1/2"
APPROVED FOR WATER INFILTRATION REQ.			

NOTE: ELEVATION SHOWN USE RESIDENTIAL HIGH SILL (ITEM 2). SEE DETAIL 'C' ON SHEET D I

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FLORIDA REGISTRATION
FL #55983
C.A.N. 28887

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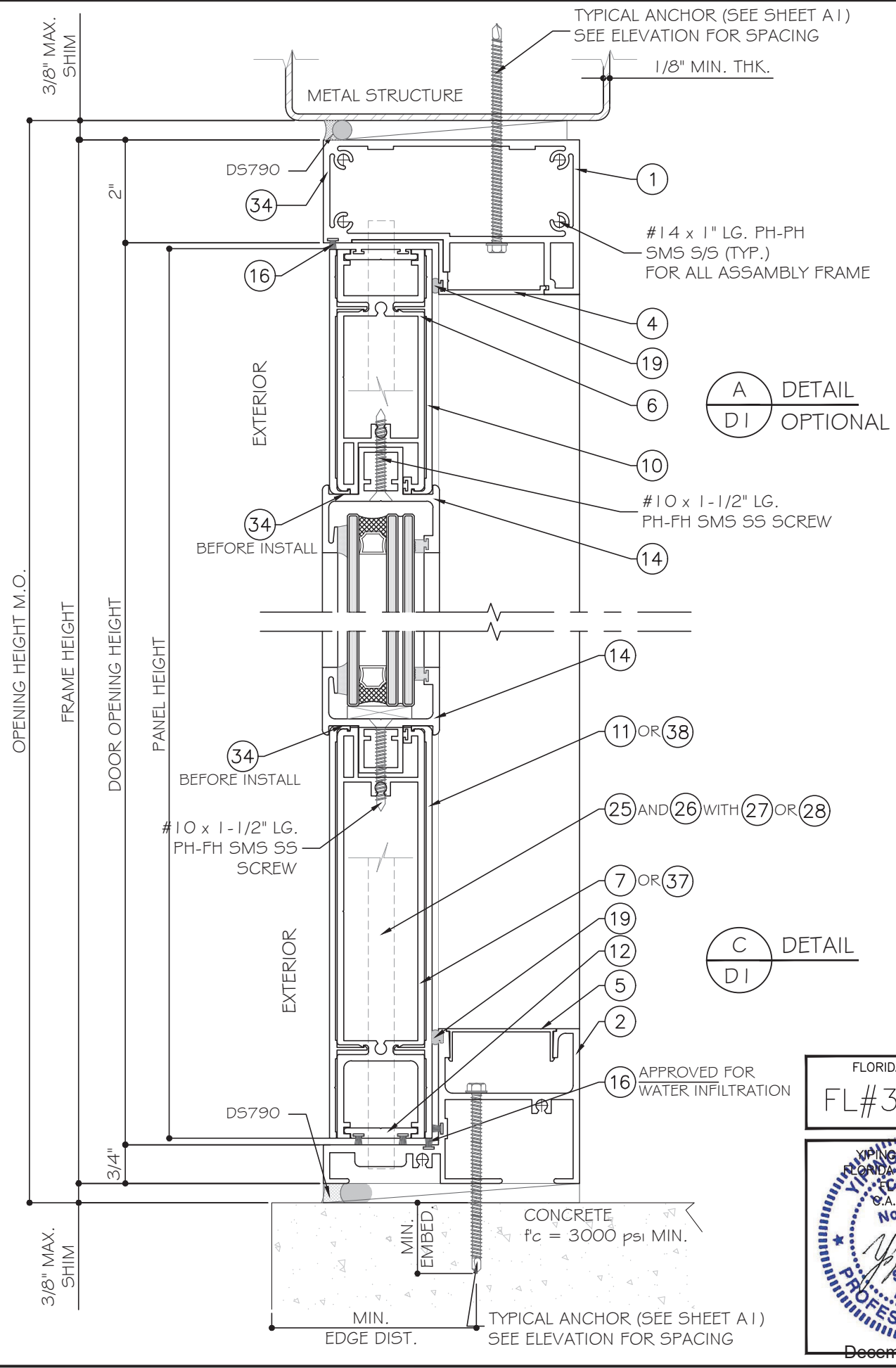
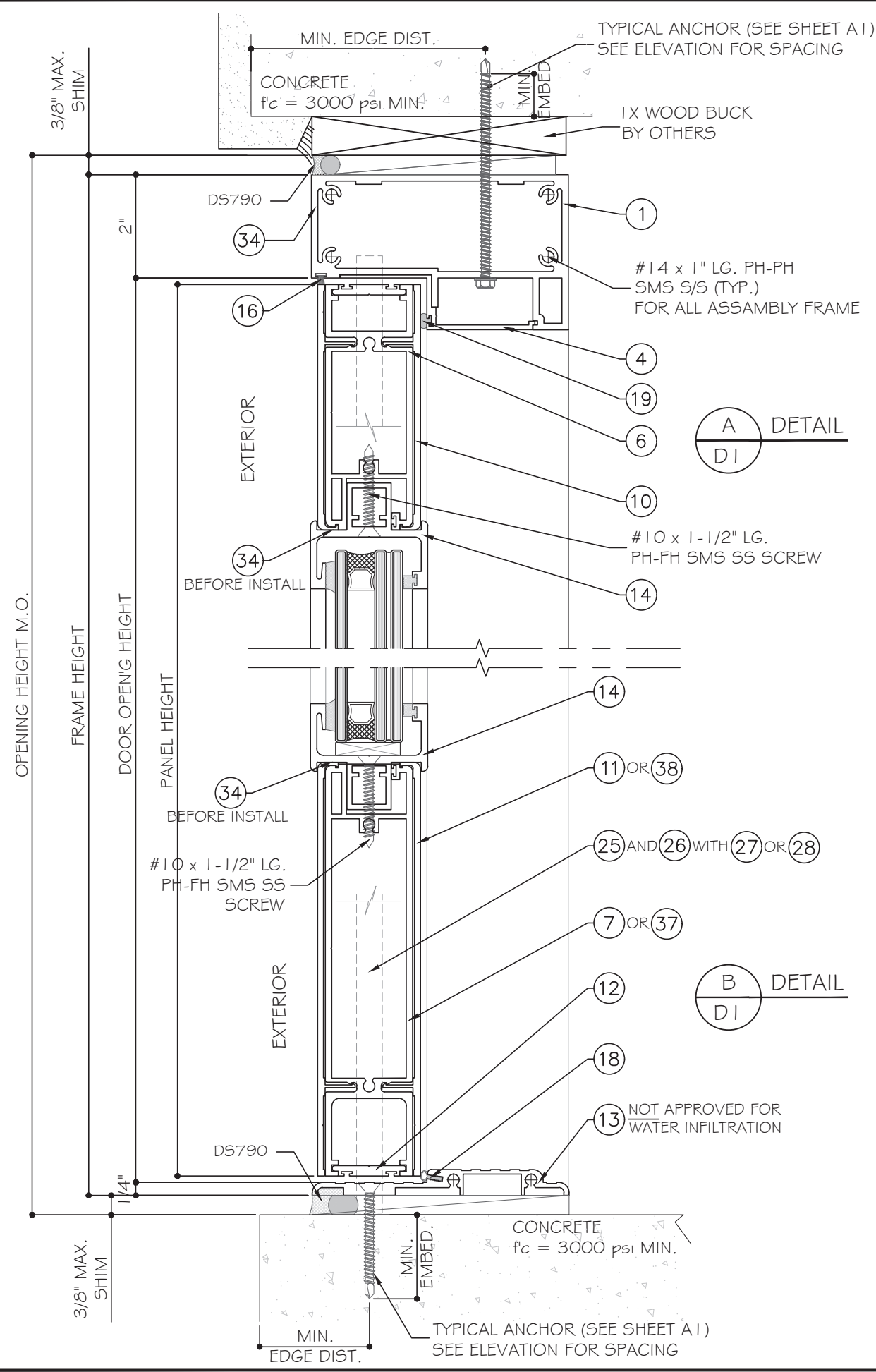
Rev. No. Date Drawn By Description

R2 12.14.2023 James

Drawn Date 12.14.2023 Scale AS 3/8"=1'-0"

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YONG WANG
P.E.
FLORIDA REGISTRATION
#55983
D.A.N. 28867

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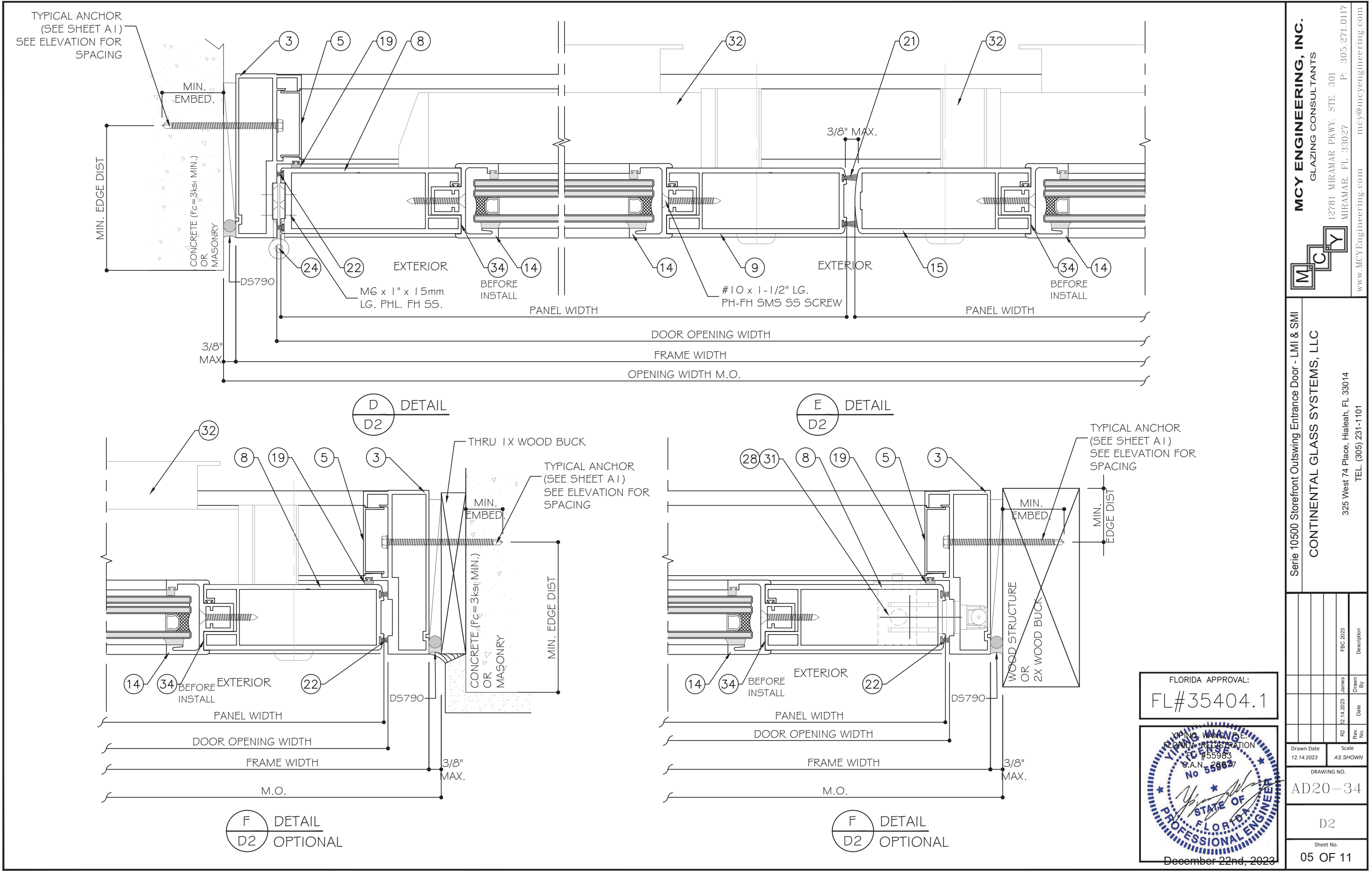
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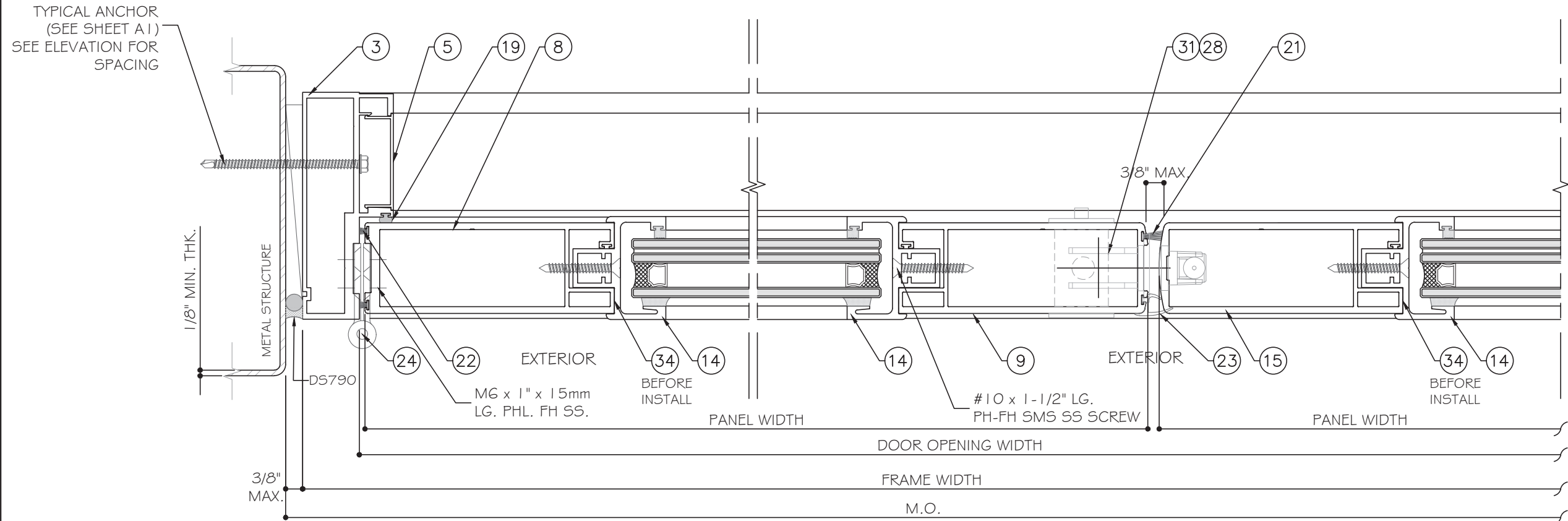
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Drawn Date: 12.14.2023
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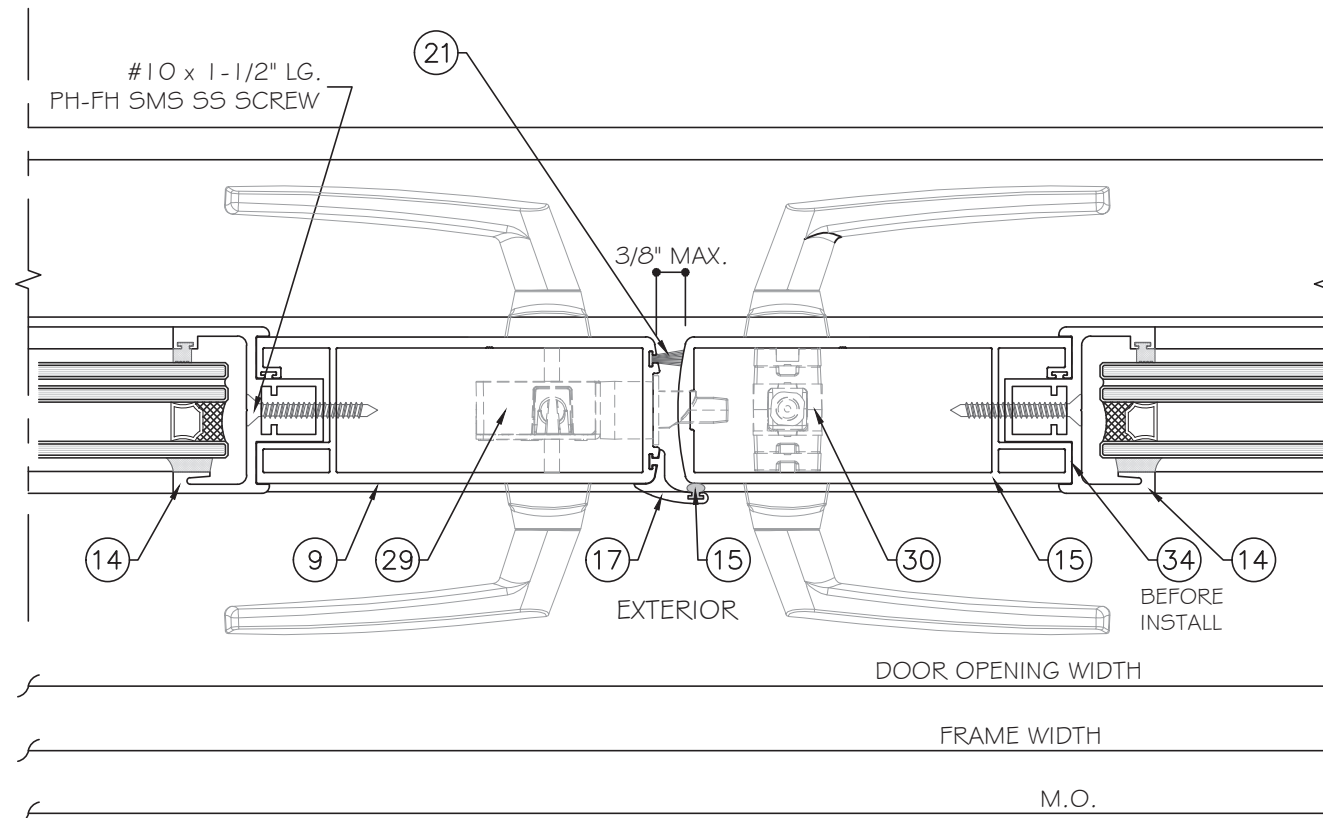
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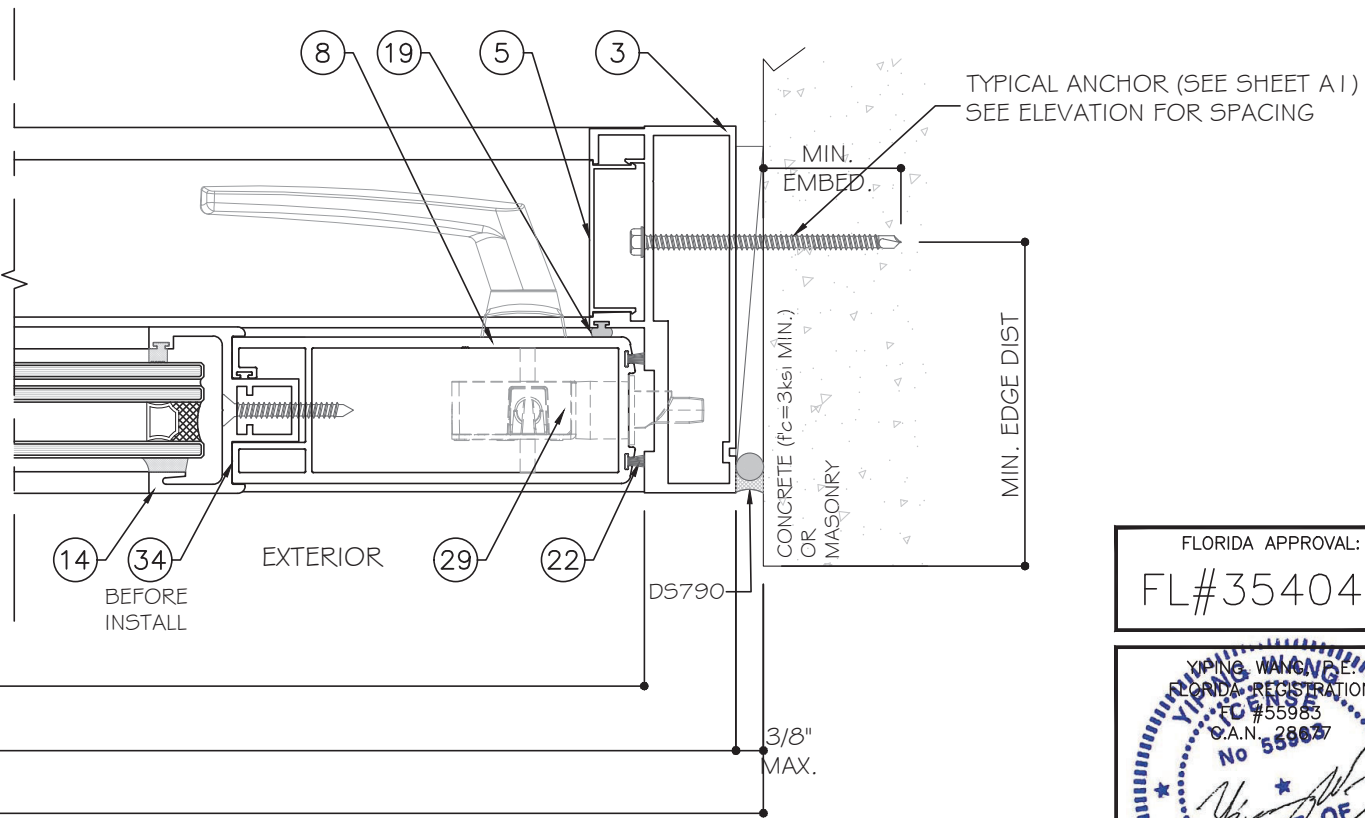


G
D3
DETAIL



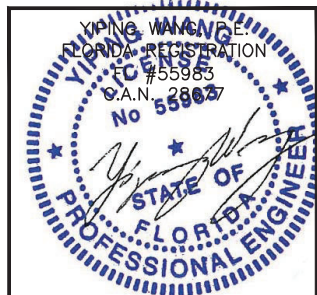
H
D3
DETAIL
OPTIONAL

H
D3
DETAIL



J
D3
DETAIL
OPTIONAL

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TYPE 'A' -- 5/16" DIA. ULTRACON BY 'DEWALT' (FU=177 KSI, FY=155 KSI)
 1 1/2" MIN. EMBED INTO WOOD BUCK OR STRUCTURE OR
 THRU WOOD BUCK INTO CONCRETE OR MASONRY
 WITH 1 3/4" MIN. EMBED INTO CONCRETE
 WITH 1 3/4" MIN. EMBED INTO GROUT FILLED BLOCK (JAMB ONLY)
 WITH 1 1/4" MIN. EMBED INTO HOLLOW BLOCK (JAMB ONLY)

DIRECTLY INTO HOLLOW BLOCK
1 - 1/4" MIN. EMBEDMENT INTO BLOCK (JAMB ONLY)

DIRECTLY INTO GROUT FILLED BLOCK
1-3/4" MIN. EMBEDMENT INTO BLOCK (JAMB ONLY)

CRITICAL EDGE DISTANCE:
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
 INTO WOOD STRUCTURE = 1-1/4" MIN.

WOOD AT HEAD, SILL OR JAMBS, SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMB MUST BE $f'_c = 3000$ PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMB MUST BE $f'_m = 2000$ PSI MIN.

ALL FRAME CORNERS, JOINTS, AND PERIMETER GLAZING BEAD TO FRAME
INSTALLATION FASTENERS SEALED WITH DS795 SILICONE SEALANT.

MIN. EDGE DIST.

CONCRETE
 $f'_c = 3000 \text{ psi MIN.}$

MIN. EMBED.

3/8" MAX. SHIM

1X WOOD BUCK

DS790

TYPICAL ANCHOR
 SEE ELEVATION
 REQ. # SPACING

3/8" MAX. SHIM

METAL STRUCTURE

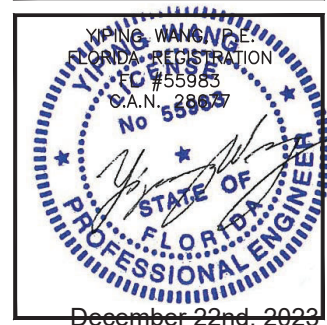
TYPICAL ANCHOR

SEE ELEVATION REQ. # SPACING

1/8" MIN. THK

D5790

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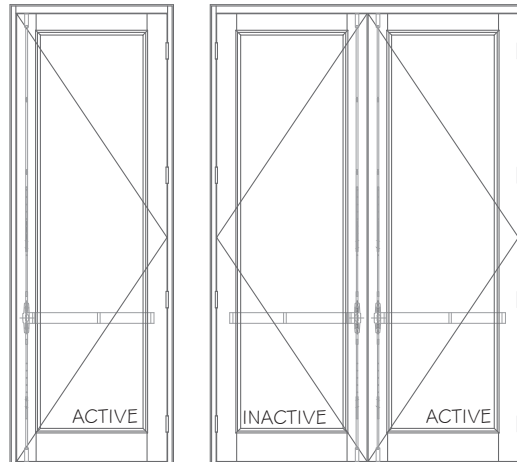
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HARDWARES:

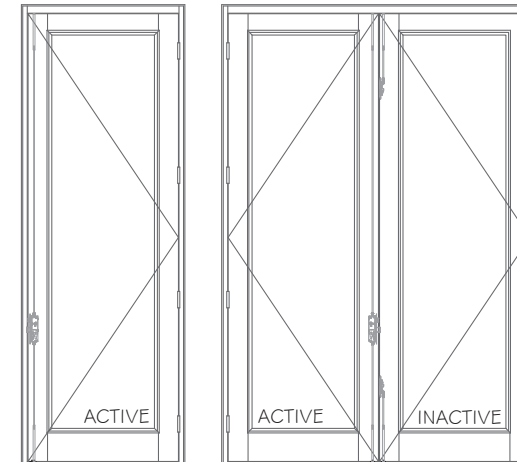


LOCK OPTION 1:

ACTIVE AND INACTIVE LEAF:
PANIC DEVICE HARDWARE W/ TRIM AND KEY CYLINDER
BY 'VON DUPRIN'

HINGE OPTION:

BUTT HINGES # 316 S/S - 4-1/2" x 4" BY 'METRO
DOOR'



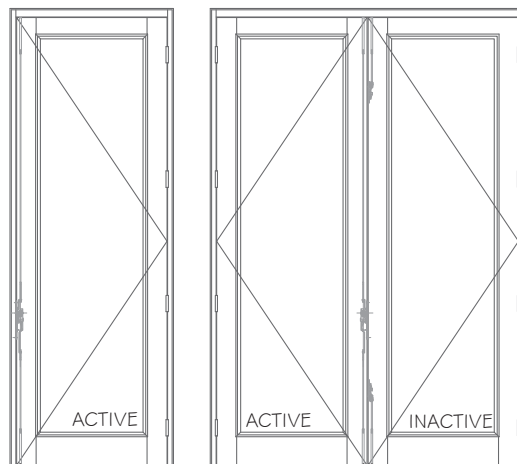
LOCK OPTION 4:

ACTIVE LEAF:
3 POINT LOCK (RESIDENTIAL DOOR) HARDWARE.

INACTIVE LEAF:
FLUSH BOLT HARDWARE BY 'C.R. LAURENCE'.

HINGE OPTION:

BUTT HINGES # 316 S/S -
4-1/2" x 4" BY 'METRO DOOR'

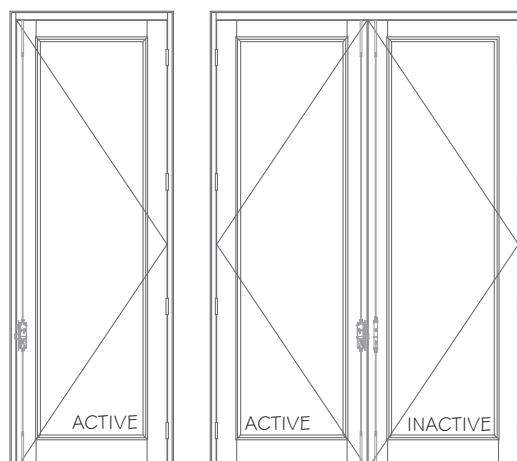


LOCK OPTION 2:

ACTIVE AND INACTIVE LEAF:
COMMERCIAL HARDWARE - 3 POINT DEAD LOCK
ML1850 BY 'DNW DOOR AND WINDOW HARDWARE'

HINGE OPTION:

BUTT HINGES # 316 S/S - 4-1/2" x 4" BY 'METRO DOOR'



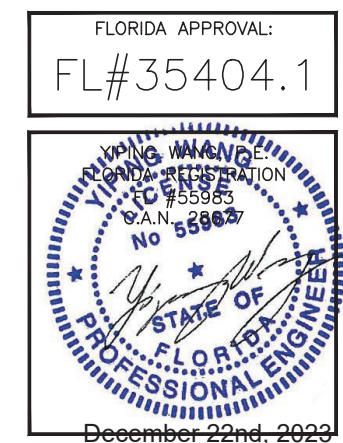
LOCK OPTION 3:

ACTIVE LEAF:
3 POINT LOCK (RESIDENTIAL DOOR) HARDWARE.

INACTIVE LEAF:
2 POINT LOCK (RESIDENTIAL DOOR) HARDWARE.

HINGE OPTION:

BUTT HINGES # 316 S/S - 4-1/2" x 4" BY 'METRO DOOR'



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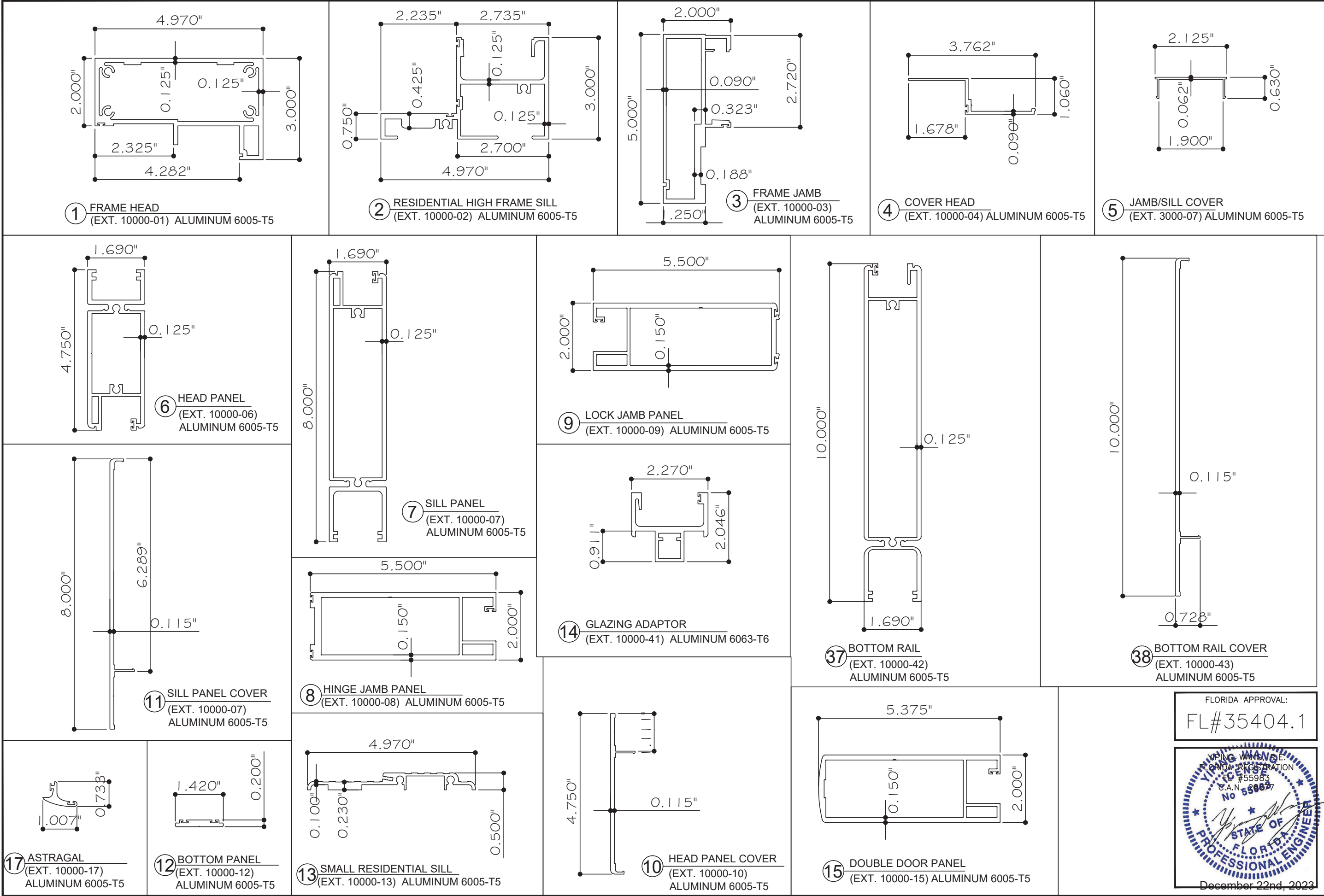
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FLORIDA REGISTRATION
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C.A.N. 55983

December 22nd, 2023

