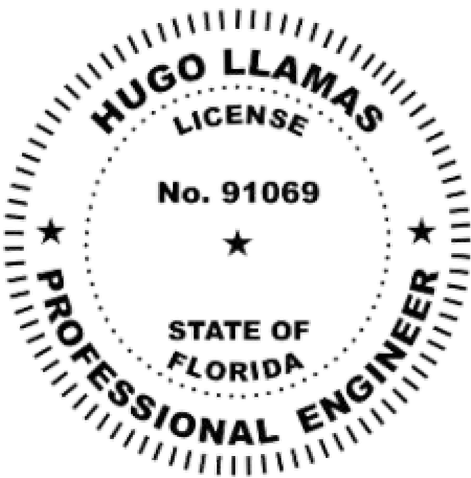


PRODUCT DEVELOPMENT

"FD 2100" - OUTSWING FRENCH DOOR

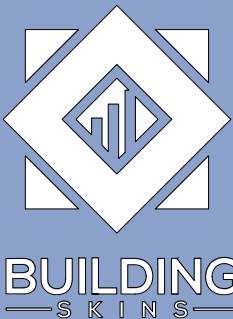
PRODUCT APPROVAL DRAWINGS



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Hugo
Llamas

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14 NE 1ST AVE. STE 815,
MIAMI, FL 33132
PH. (+1) 786 553-2225

SERIES "FD2100"
OUTSWING FRENCH DOOR
(L.M.I. & S.M.I)

EMC WINDOWS AND
DOORS, LLC.
3695 NW. 74TH STREET
MIAMI, FL 33147
TEL. (305) 283-6280
EMCWINDOWSDOORS@GMAIL.COM

DRAWINGS NUMBER:
25-0158P.3

REVISIONS:

No.	DATE	DESCRIPTION

DATE: AUGUST 25TH, 2025

DRAWN BY: LR & AO SCALE: NTS

SHEET No: 00 OF 08 SHEET NAME: COVER

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25-0158P.3

No.	DATE	DESCRIPTION

DRAWN BY: LR & AO	SCALE: 6"=1'-0"
SHEET No: 01 OF 08	SHEET NAME: G1

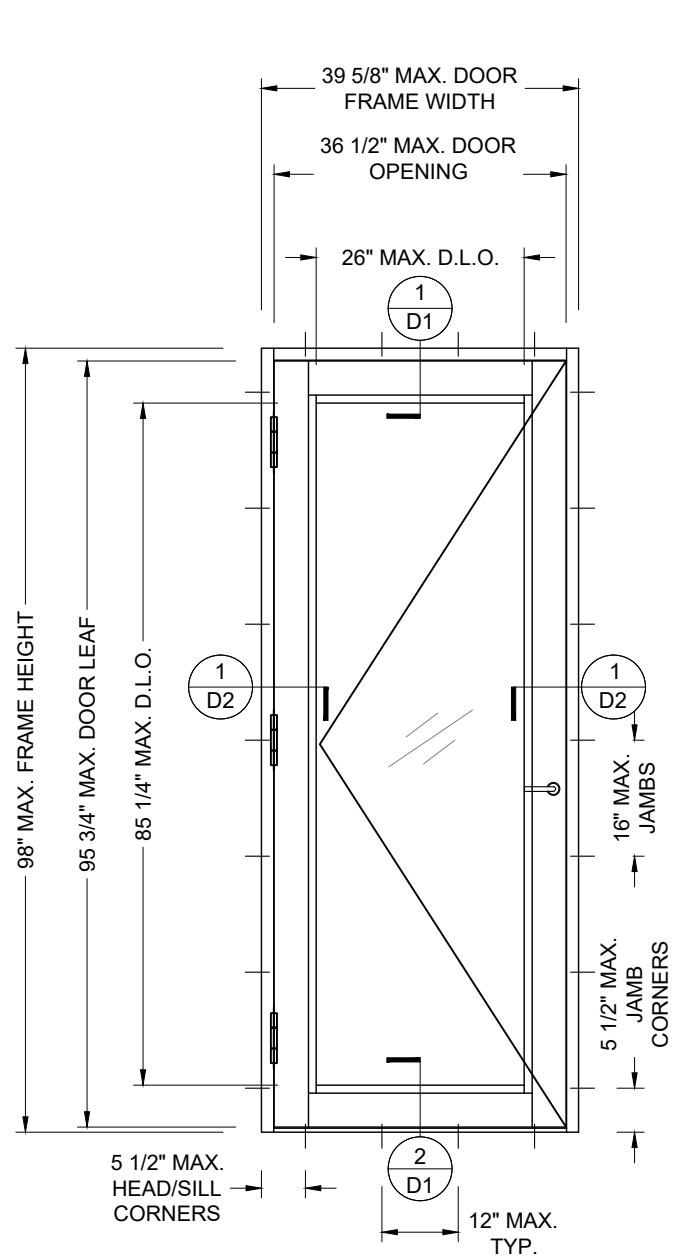
A circular professional engineer seal for Hugo Llamas. The outer ring contains the text "HUGO LLAMAS" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top, "No. 91069" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. The seal has a dashed outer border and a solid inner border.

Hugo Llamas

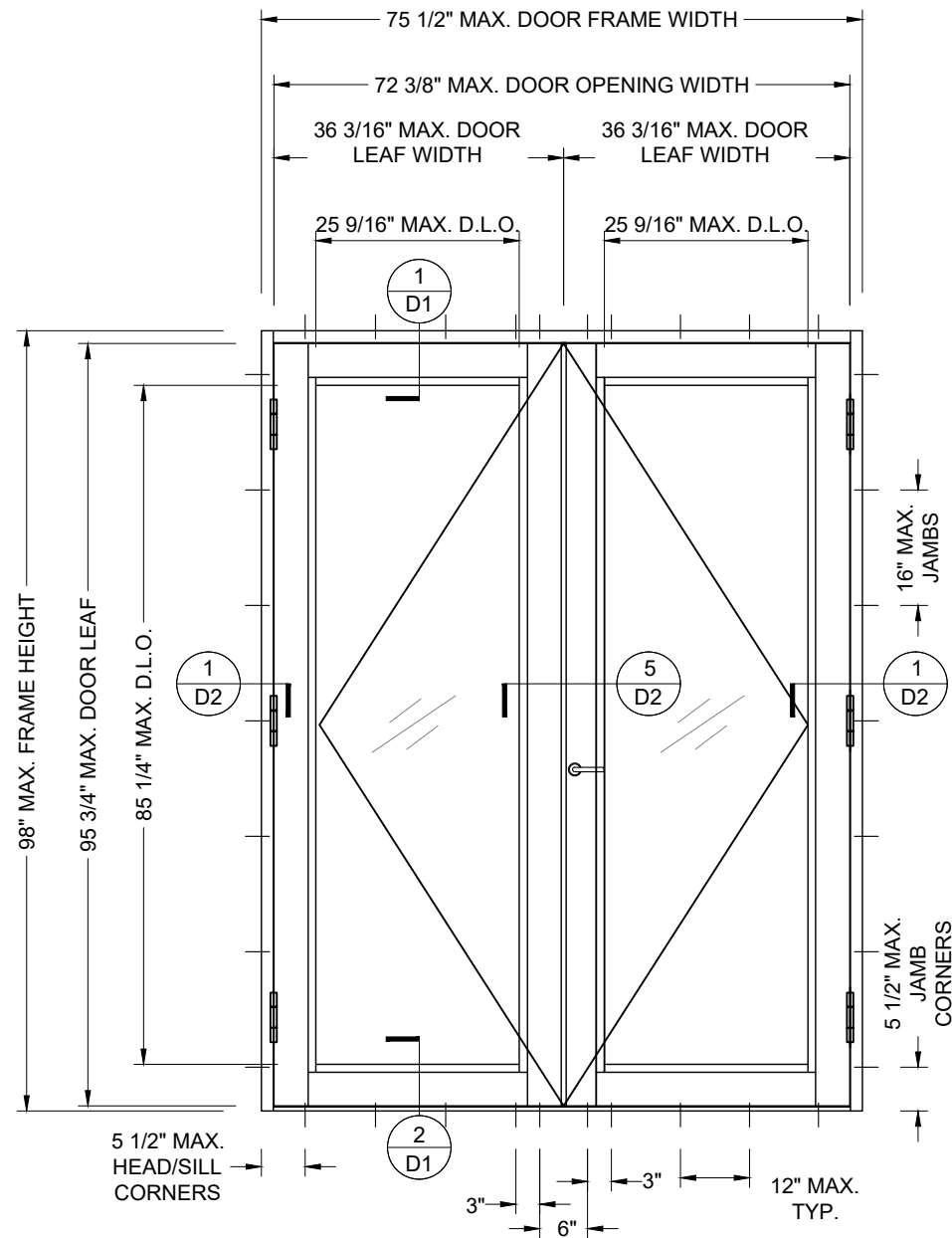
ABBREVIATIONS AND SYMBOLS	
D.L.O. - DAYLITE OPENING	
F.H. - FRAME HEIGHT	
F.W. - FRAME WIDTH	
W/ - WITH	
W/O - WITHOUT	
O.C. - ON CENTER	

A diagram showing a circle divided horizontally. The top half contains the number '7' and the bottom half contains the letter 'C'. A line extends from the top of the circle to the text 'SECTION NUMBER'. Another line extends from the bottom of the circle to the text 'SHEET NUMBER'.

Diagram illustrating the callout format: A circle is divided horizontally. The top half contains the number '7', which points to the label 'SECTION NUMBER'. The bottom half contains the letter 'C', which points to the label 'SHEET NUMBER'.



SINGLE DOOR TYPICAL EXTERIOR ELEVATION

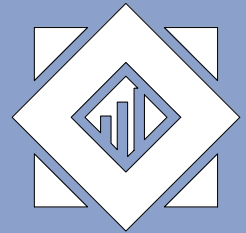


DOUBLE DOOR TYPICAL EXTERIOR ELEVATION

DESIGN LOAD
FOR SIZES SHOWN ABOVE OR SMALLER
MAX. DESIGN LOAD: ±65.0 PSF

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BUILDING
SKINS

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DRAWINGS NUMBER:

25-0158P.3

REVISIONS:

No.	DATE	DESCRIPTION

DATE:

AUGUST 25TH, 2025

DRAWN BY:
LR & AO

SCALE:
1/2"=1'-0"

SHEET No:

02 OF 08

SHEET NAME:

E1



SERIES "FD2100"
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No.	DATE	DESCRIPTION

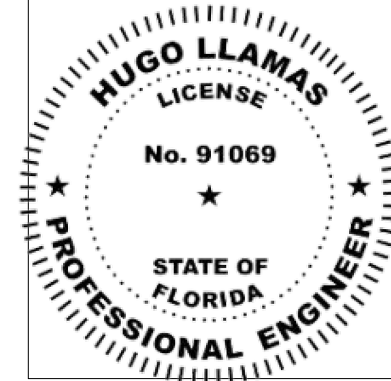
DRAWN BY: LR & AO	SCALE: 1/2"=1'-0"
SHEET No: 03 OF 08	SHEET NAME: E2



DESIGN LOAD FOR SIZES SHOWN ABOVE OR SMALLER MAX. DESIGN LOAD: REINF: ± 65.0 PSF UNREINF: ± 60.0 PSF

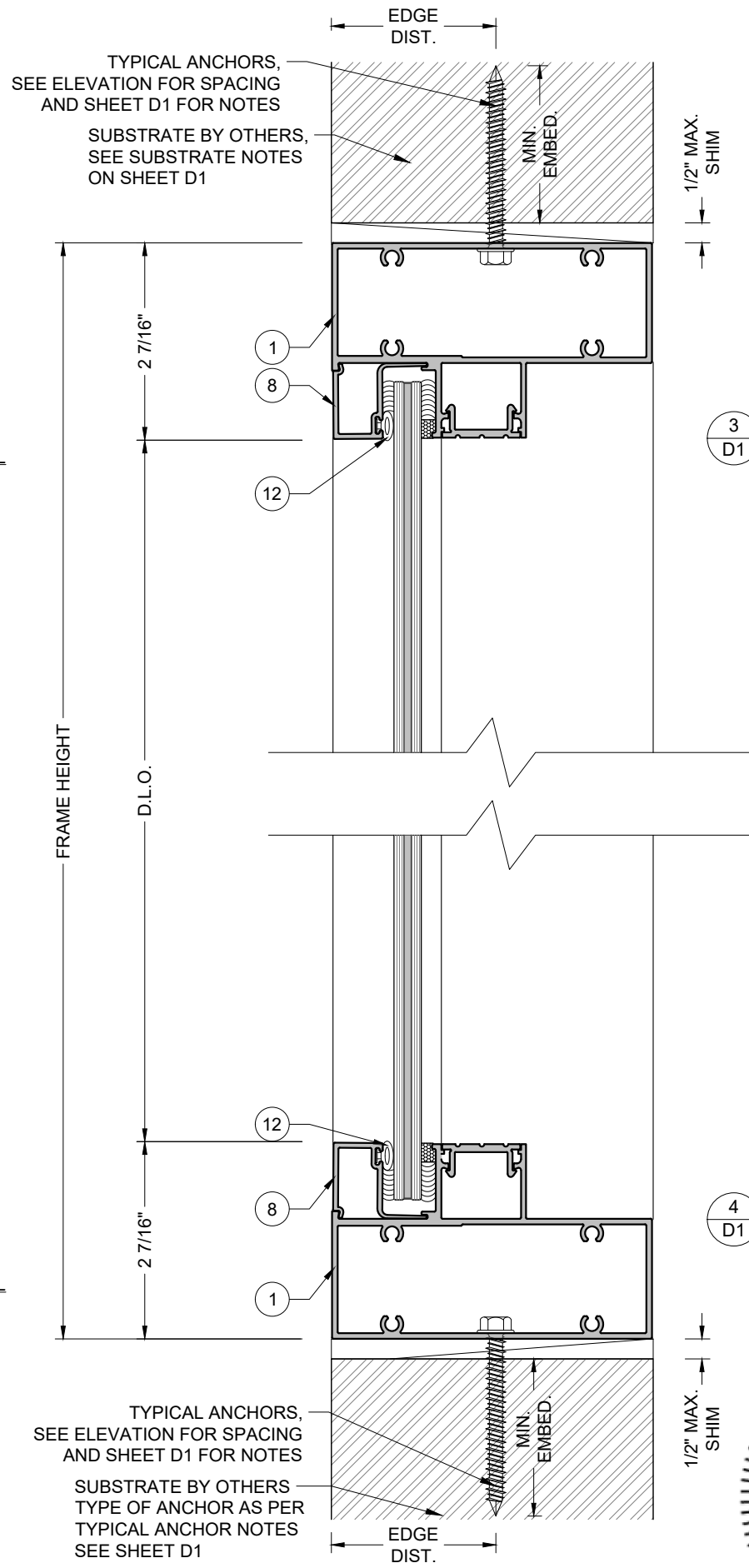
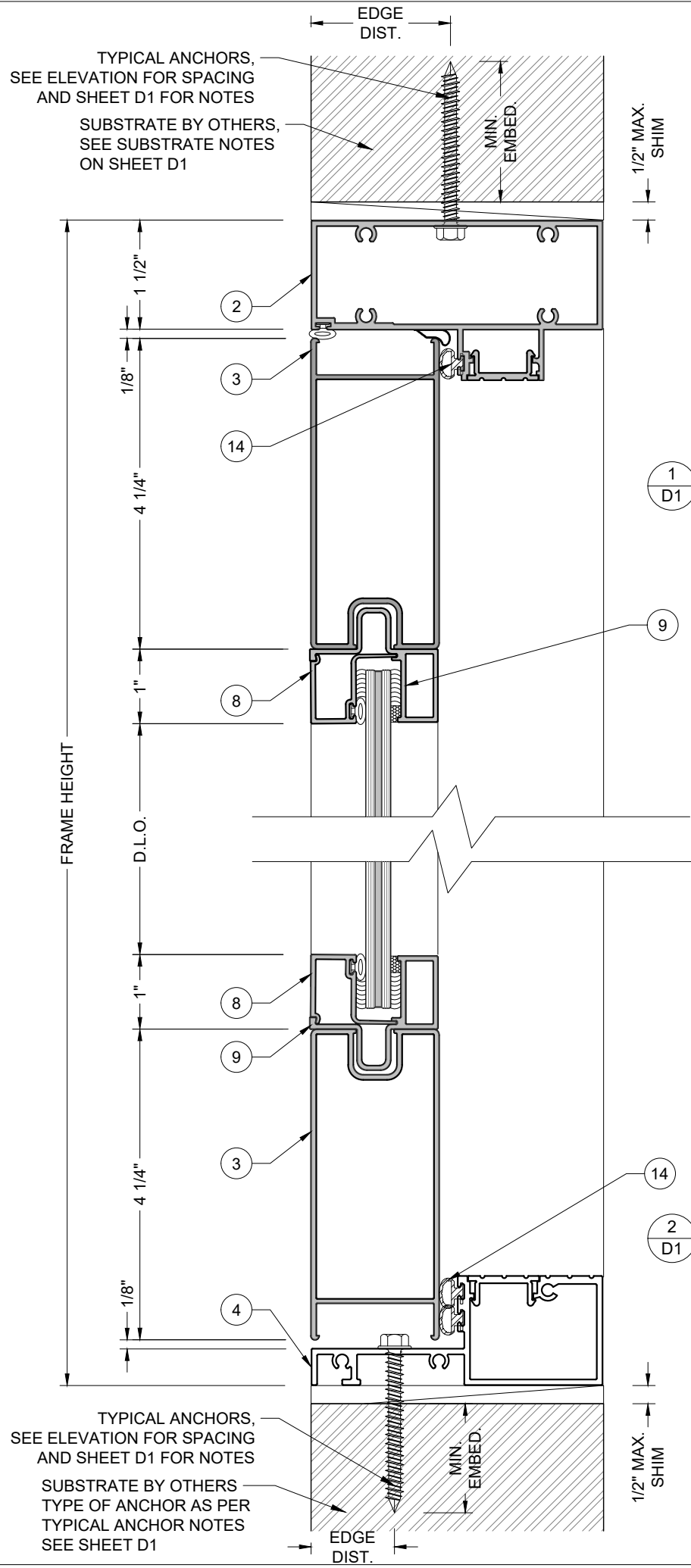


SEE SEPARATE PRODUCT APPROVAL SF2100



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Llamas

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Hugo Llamas
Date: 2025.12.04
20:21:25 -05'00'



TYPICAL ANCHORS:

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

INTO WOOD STRUCTURES
1-1/2" MIN. EMBED INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY OR 2BY BUCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO HOLLOW BLOCK (JAMBS ONLY)
1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (HEAD/SILL/JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS
1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

1/4" TEKS-SELF DRILLING SCREW (Fu=120 KSI, Fy= 92 KSI)

INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
STEEL: 1/8" THK. MIN. (Fy=36KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS

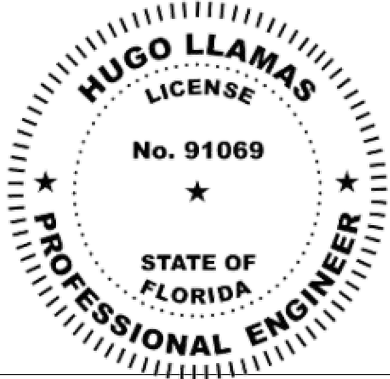
CRITICAL EDGE DISTANCE
INTO CONCRETE AND MANSORY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1-1/2" MIN.
INTO METAL STRUCTURE = 1" MIN.
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f_c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f_m = 2000 PSI MIN.

SUBSTRATE NOTES:

- A. SUBSTRATE IS BY ENGINEER OF RECORD (E.O.R.) OR ARCHITECT OF RECORD (A.O.R.)
- B. THIS GLAZING SYSTEM IS APPROVED TO BE ANCHORED TO:
- B.1. CONCRETE
 - B.2. CONCRETE TROUGH 1BY OR 2BY WOOD BUCK
 - B.3. HOLLOW BLOCKS
 - B.4. GROUT FILLED BLOCKS
 - B.5. METAL (STEEL / ALUMINUM)
 - B.6. WOOD STRUCTURE
 - B.7. MIAMI DADE COUNTY APPROVED MULLION

SEALANTS:

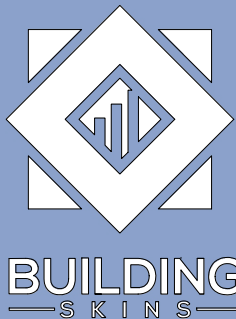
ALL FRAME CIBERS, JOINTS, MULLION SEMAS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT (DOWSIL 775)



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DRAWINGS NUMBER:

25-0158P.3

REVISIONS:

No.	DATE	DESCRIPTION

DATE:

AUGUST 25TH, 2025

DRAWN BY:

LR & AO

SCALE:

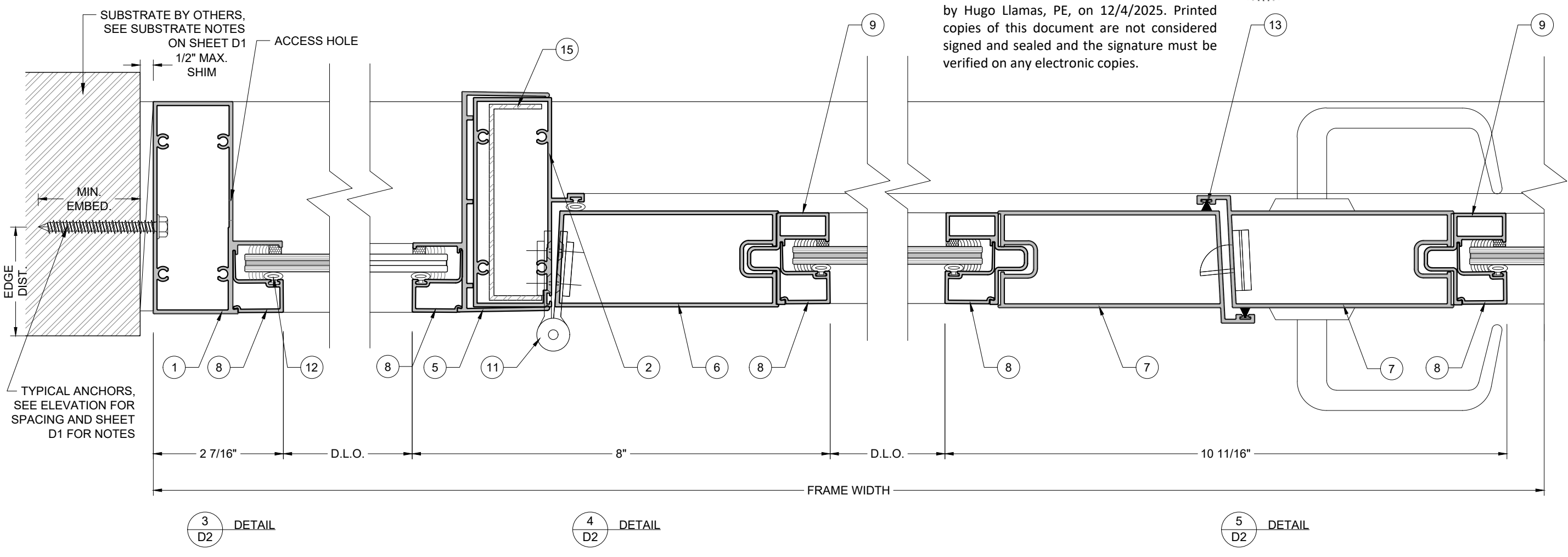
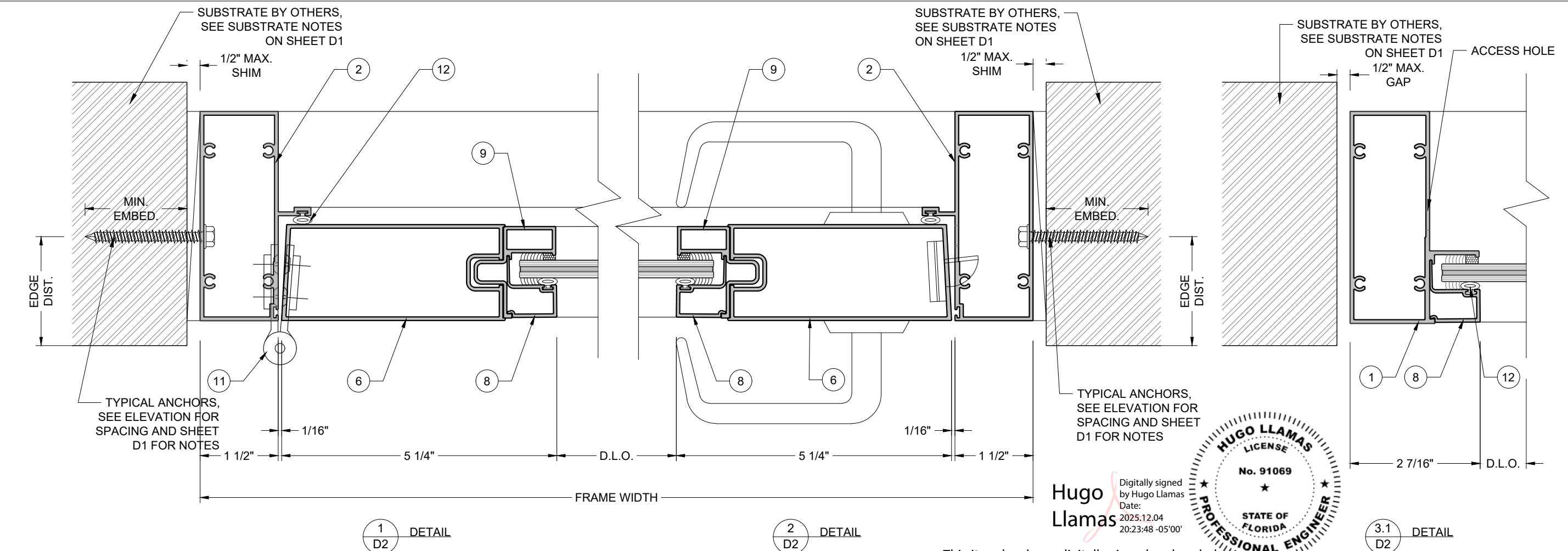
6"=1'-0"

SHEET No:

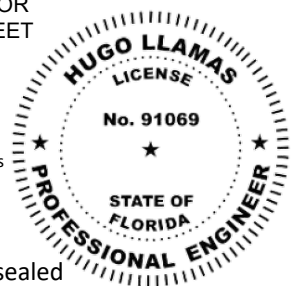
04 OF 08

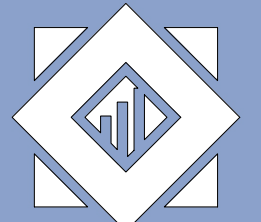
SHEET NAME:

D1



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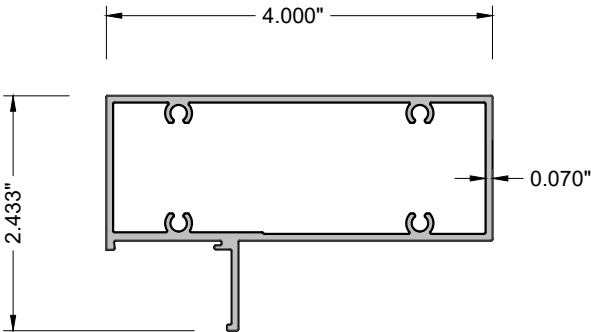
REVISIONS:

No.	DATE	DESCRIPTION

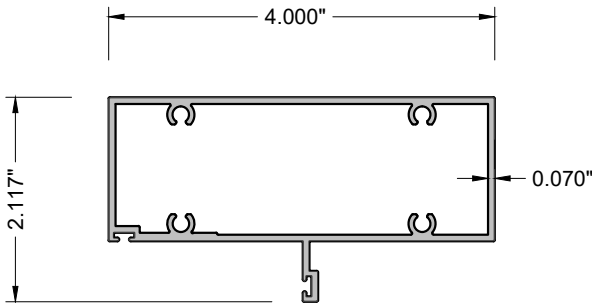
DATE:
AUGUST 25TH, 2025

DRAWN BY: LR & AO	SCALE: 6"=1'-0"
SHEET No: 05 OF 08	SHEET NAME: D2

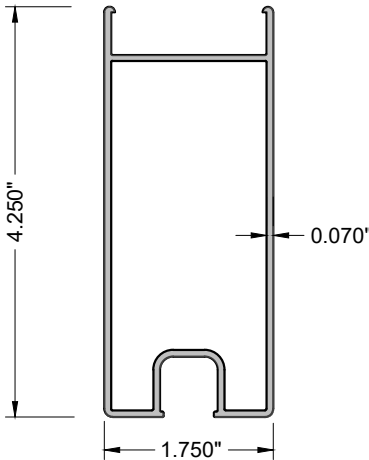
EXTRUSIONS



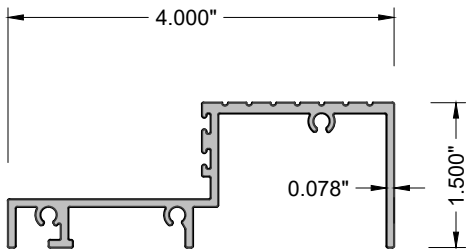
1 EMC-004
SIDELITE HEAD/SILL/JAMB



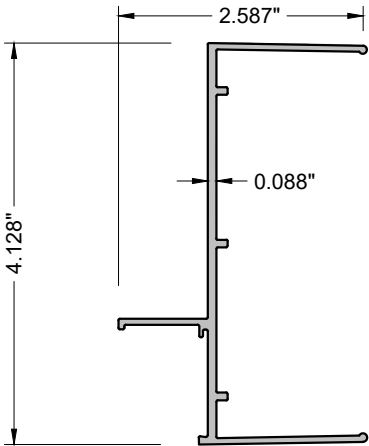
2 EMC-001
DOOR HEAD/JAMB FRAME



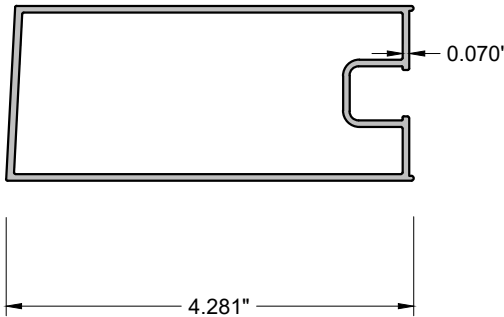
3 EMC-002
TOP/BOTTOM RAIL



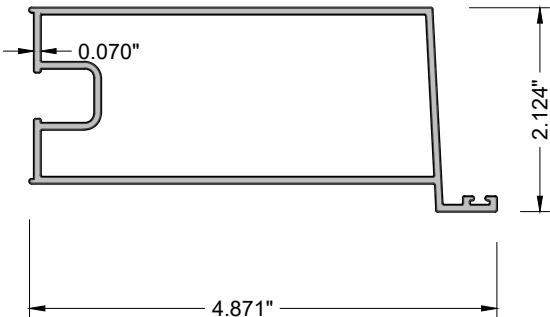
4 EMCFD1
THRESHOLD



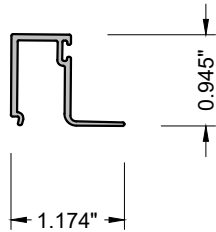
5 EMC-005
SIDELITE OPEN JAMB



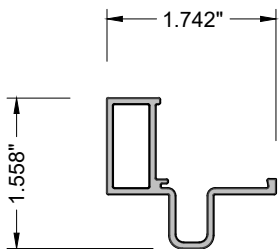
6 EMCFD2
HINGE STILE



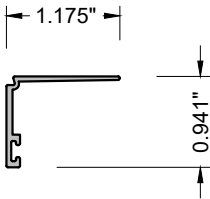
7 EMCFD3
MEETING STILE



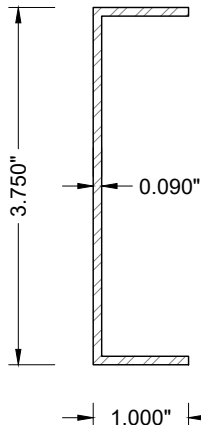
8 GLAZING BEAD FOR
LAM. GLASS



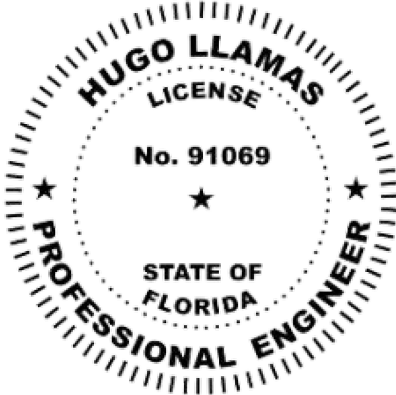
9 EMC-003
GLAZING ADAPTOR



10 GLAZING BEAD FOR
INSUL. LAM. GLASS

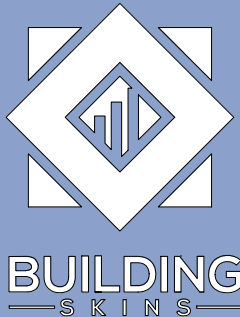


15 ALUM. CHANNEL
REINFORCEMENT



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TEL. (305) 283-6280
EMCWINDOWSDOORS@GMAIL.COM

DRAWINGS NUMBER:

25-0158P.3

REVISIONS:

No.	DATE	DESCRIPTION

DATE:

AUGUST 25TH, 2025

DRAWN BY:

LR & AO

SCALE:

6"=1'-0"

SHEET No:

06 OF 08

SHEET NAME:

P1

BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	EMC-004	SIDELITE HEAD/SILL/JAMB FRAME	ALUM. 6063-T6	EMC WINDOWS AND DOORS, LLC
2	EMC-001	DOOR HEAD/JAMB FRAME	ALUM. 6063-T6	EMC WINDOWS AND DOORS, LLC
3	EMC-002	TOP BOTTOM RAIL	ALUM. 6063-T6	EMC WINDOWS AND DOORS, LLC
4	EMCFD1	THRESHOLD	ALUM. 6063-T6	EMC WINDOWS AND DOORS, LLC
5	EMC-005	SIDELITE OPEN JAMB	ALUM. 6063-T6	EMC WINDOWS AND DOORS, LLC
6	EMCFD2	HINGE STILE	ALUM. 6063-T6	EMC WINDOWS AND DOORS, LLC
7	EMCFD3	MEETING STILE	ALUM. 6063-T6	EMC WINDOWS AND DOORS, LLC
8	-	GLAZING BEAD FOR LAMINATED GLASS	ALUM. 6063-T6	EMC WINDOWS AND DOORS, LLC
9	-	GLAZING ADAPTOR	ALUM. 6063-T6	EMC WINDOWS AND DOORS, LLC
10	-	GLAZING BEAD FOR INSULATED LAMINATED GLASS	ALUM. 6063-T6	EMC WINDOWS AND DOORS, LLC
11	-	ALUMINUM BUTT HINGE	-	SULLIVAN AND ASSOCIATES
12	NO. 3252B	BULB VINYL AIR SEAL GASKET(BLACK)	-	MELTPPOINT PLASTICS
13	-	WEATHER STRIPPING	-	-
14	-	GASKET	-	-
15	-	1" X 3 3/4" X 1" X 0.090" THK. ALUM. CHANNEL REINFORCEMENT	ALUM. 6063-T6	-
16	-	CRL GRAY EDGETECH SUPER SPACER - GLASS SPACER	SILICONE FOAM	C.R. LAURENCE CO., INC.
17		SETTING BLOCK, DUROMETER 70±5	EPDM	-

LOCKS:

ACTIVE LEAF:
3 POINT LOCK BY 'SULIVAN & ASSOCIATEDS' AT 42 1/4" FROM BOTTOM OF THE LEAF A 1"x1 1/4" X 1 5/8" ALUM. 7-RIB FLUSH BOLT GUIDE WAS FASTENED TO INACTIVE LEAF LOCKSTILE WIDTH (2) #10 X 3/4" PFH SELF DRILLING SMS.

INACTIVE LEAF:

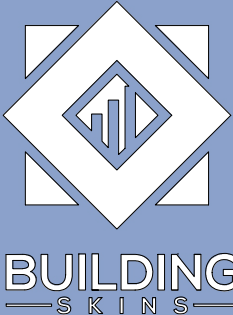
A SETS OF LEVER-ACITIVATED MANUAL SHOOT BOLTS BY 'SULIVAN & ASSOCIATEDS' AT TOP/BOTTOM A 1"x1 1/4" X 1 5/8" ALUM. 7-RIB FLUSH BOLT GUIDE WAS FASTENED TO INACTIVE LEAF LOCKSTILE WIDTH (2) #10 X 3/4" PFH SELF DRILLING SMS.

HINGES:
(3) ALUM. HINGES BY 'SULIVAN & ASSOCIATES'
AT 11 3/4" FROM TOP AND BOTTOM, 35" O.C.
FASTEN TO FRAME WITH
(3) #12 X 1" PFH SELF DRILLING SMS
FASTEN TO LEAF WITH
(3) #12 X 1" PFH SELF DRILLING SMS

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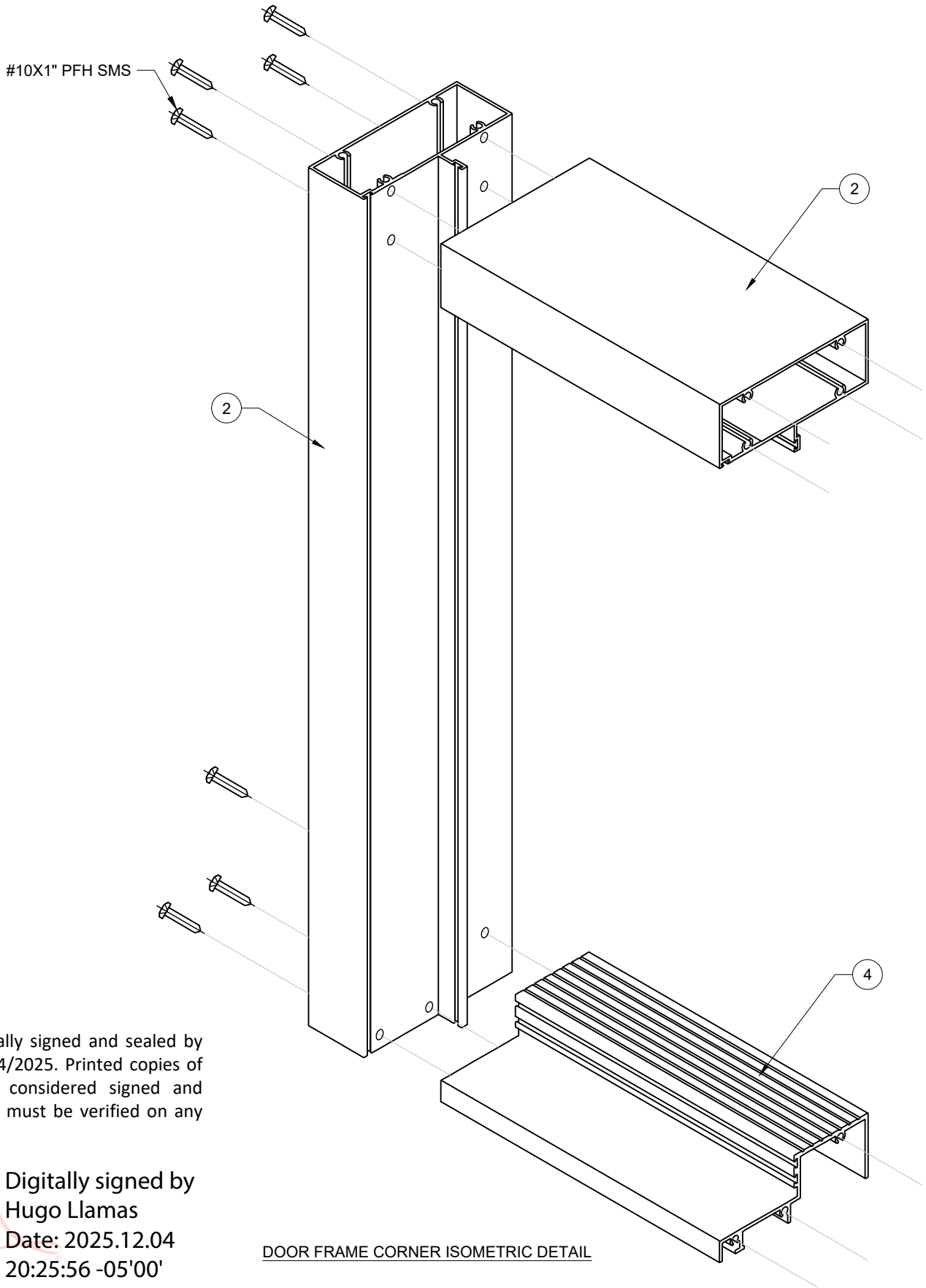
No.	DATE	DESCRIPTION

DATE:

AUGUST 25TH, 2025

DRAWN BY: LR & AO	SCALE: NTS
SHEET No: 07 OF 08	SHEET NAME: P2

ISOMETRIC

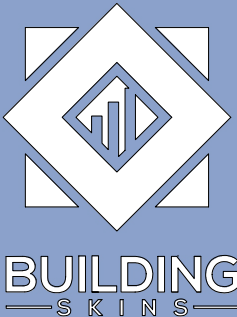


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Date: 2025.12.04 20:25:56 -05'00'

DOOR FRAME CORNER ISOMETRIC DETAIL



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LR & AO

SCALE:
NTS

SHEET No:

SHEET NAME:

08 OF 08

P3