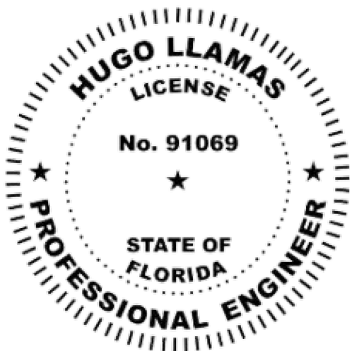


PRODUCT DEVELOPMENT

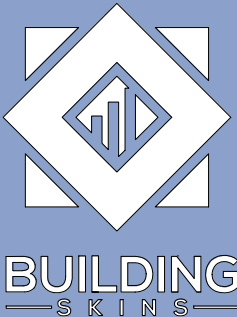
"HR 2100" - HORIZONTAL ROLLING WINDOW

PRODUCT APPROVAL DRAWINGS



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SERIES "HR 2100"
HORIZONTAL ROLLING
WINDOW (L.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.4

REVISIONS:

No.	DATE	DESCRIPTION

DATE: AUGUST 25TH, 2025

DRAWN BY: LR & AO	SCALE: NTS
SHEET No: 00 OF 09	SHEET NAME: COVER

HR 2100 HORIZONTAL ROLLING WINDOW

GENERAL NOTES:

- A. THE PRODUCT SHOWN HEREIN IS DESIGNED AND TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE 8TH EDITION 2023 (FBC 2023), INCLUDING HVHZ (HIGH VELOCITY HURRICANE ZONE)
- B. ADEQUACY OF THE EXISTING STRUCTURAL SUBSTRATE (METAL, CONCRETE, MASONRY, WOOD, ETC) NEEDS TO BE ABLE TO WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- C. WOODBUCKS EITHER 1BY OR 2BY (OPTIONAL) NEED TO BE DESIGNED AND SPECIFIED BY THE ARCHITECT OF RECORD OR THE ENGINEER OF RECORD AND NEED TO BE ABLE TO WITHSTAND ALL THE TRANSFERRED LOADS FROM THE GLAZING PRODUCT CORRECTLY.
- D. ALL ANCHORS NEED TO BE CORROSION RESISTANT, SEE PRODUCT APPROVAL FOR SPECIFIED ANCHORS REQUIRED.
- E. ALL DESIGN LOADS SHOWN IN APPROVAL ARE BASED ON ASD (ALLOWABLE STRESS DESIGN), TO GET ULTIMATE LOADS ASD LOADS NEED TO BE MULTIPLIED BY A FACTOR MULTIPLIER OF 1.6
- F. FINAL PRODUCT NEED TO HAVE LABEL.
- G. THESE GLAZING PRODUCTS ARE RATED FOR LARGE IMPACT (L.M.I.)
- H. ALL SITE SPECIFIC CONDITIONS IN ANY PROJECT NEEDS TO BE PROCURED BY A LICENSED REGISTERED ENGINEERED OR ARCHITECT.
- I. WHEN USING THIS PRODUCT, SHUTTERS ARE NOT NECESSARY.
- J. SHIMS THAT ARE USED WITH THIS SYSTEM NEED TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
- K. THIS PRODUCT APPROVAL COMPLIES WITH ALL WATER INFILTRATION REQUIREMENTS FOR IMPACT AND HVHZ SYSTEMS
- L. MANUFACTURER NEEDS TO SHOW PRODUCT LABEL IN ALL MANUFACTURED SYSTEMS.

MAXIMUM DESIGN LOADS:

- A. SHEET H1 & H2 CONTAIN THE MAXIMUM DESIGNED LOADS.
- B. ANCHORS SPACING ARE SHOWN IN SHEET E1 GLAZING ELEVATIONS.
- C. ANCHOR TYPES ARE SHOWN ON SHEET H2. THIS SHEET SHOWS THE EDGE DISTANCE, EMBEDMENT, TYPE OF ANCHOR, AND ALL REQUIREMENTS ANCHORES NEED TO COMPLY WITH THESE SPECIFICATIONS

GLASS DESIGN LOADS:

- A. ALL GLASS CAPACITIES ON THIS APPROVAL ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS)
- B. ALL GLASS SHOWN ON THIS APPROVAL HAS BEEN TESTED FOR LMI AND HVHZ REQUIREMENTS.
- C. ALL SETTING BLOCKS FOR THE GLASS TO BE LOCATED AT 25% OF THE SPAN WIDTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24
- D. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24
- E. GLASS TYPE SHALL COMPLY WITH APPLICABLE GLAZING REQUIREMENTS PER CHAPTER 24 OF THE FBC.

USE CHARTS AS FOLLOWS:

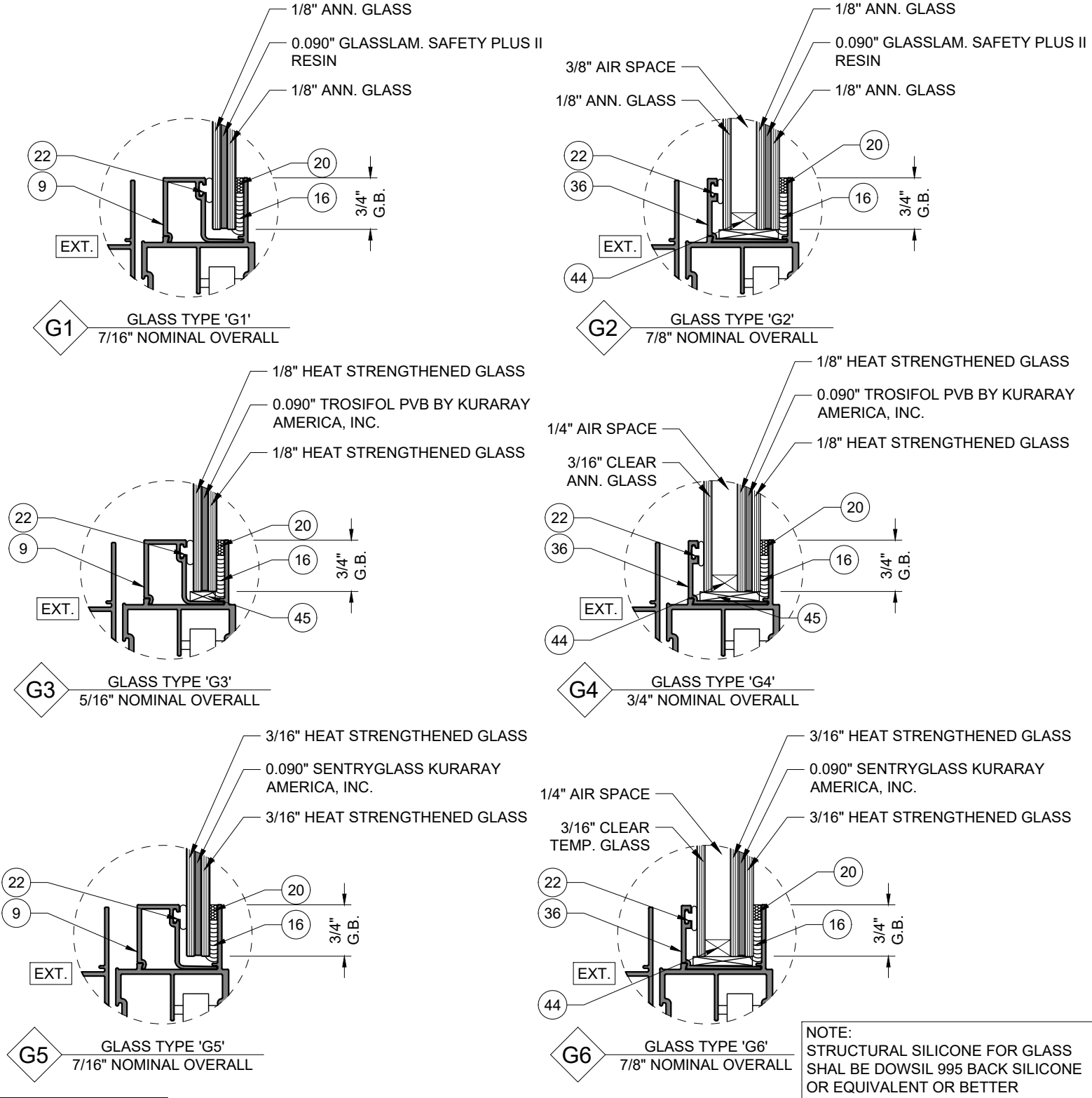
STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS

STEP 2: SEE SHEET E1 FOR APPROVED TYPICAL ELEVATION & CONFIGURATION

STEP 3: SEE SHEET H1& H2 FOR ALLOWED WINDOW SIZE AND APPROVED DESIGN LOAD.

STEP 4: ANCHOR OPTION SEE SHEET H2. ANCHOR LAYOUT SEE SHEET E1

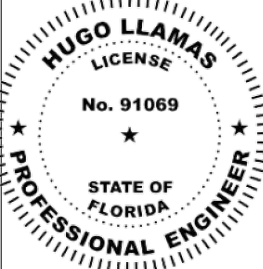
STEP 5: THE LOWEST VALUE RESULTING FROM STEP 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM



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	

SECTION NUMBER	7
SHEET NUMBER	C

GLASS CONFIGURATION FOR HORIZONTAL ROLLING WINDOW
DESIGN CAPACITIES ON H1 & H2



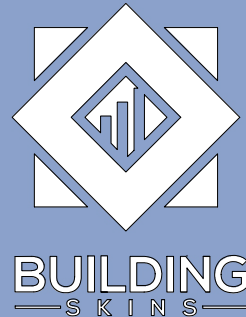
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Hugo
Llamas

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Hugo Llamas
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14:42:57 -05'00'

NOTE:
GLASS COMPLIES WITH ASTM EI300-09
(3 SEC. GUSTS)

NOTE:
STRUCTURAL SILICONE FOR GLASS
SHAL BE DOWSIL 995 BACK SILICONE
OR EQUIVALENT OR BETTER



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EMCWINDOWSDOORS@GMAIL.COM

DRAWINGS NUMBER:

25-0158P.4

REVISIONS:

No.	DATE	DESCRIPTION

DATE:

AUGUST 25TH, 2025

DRAWN BY:

SCALE:

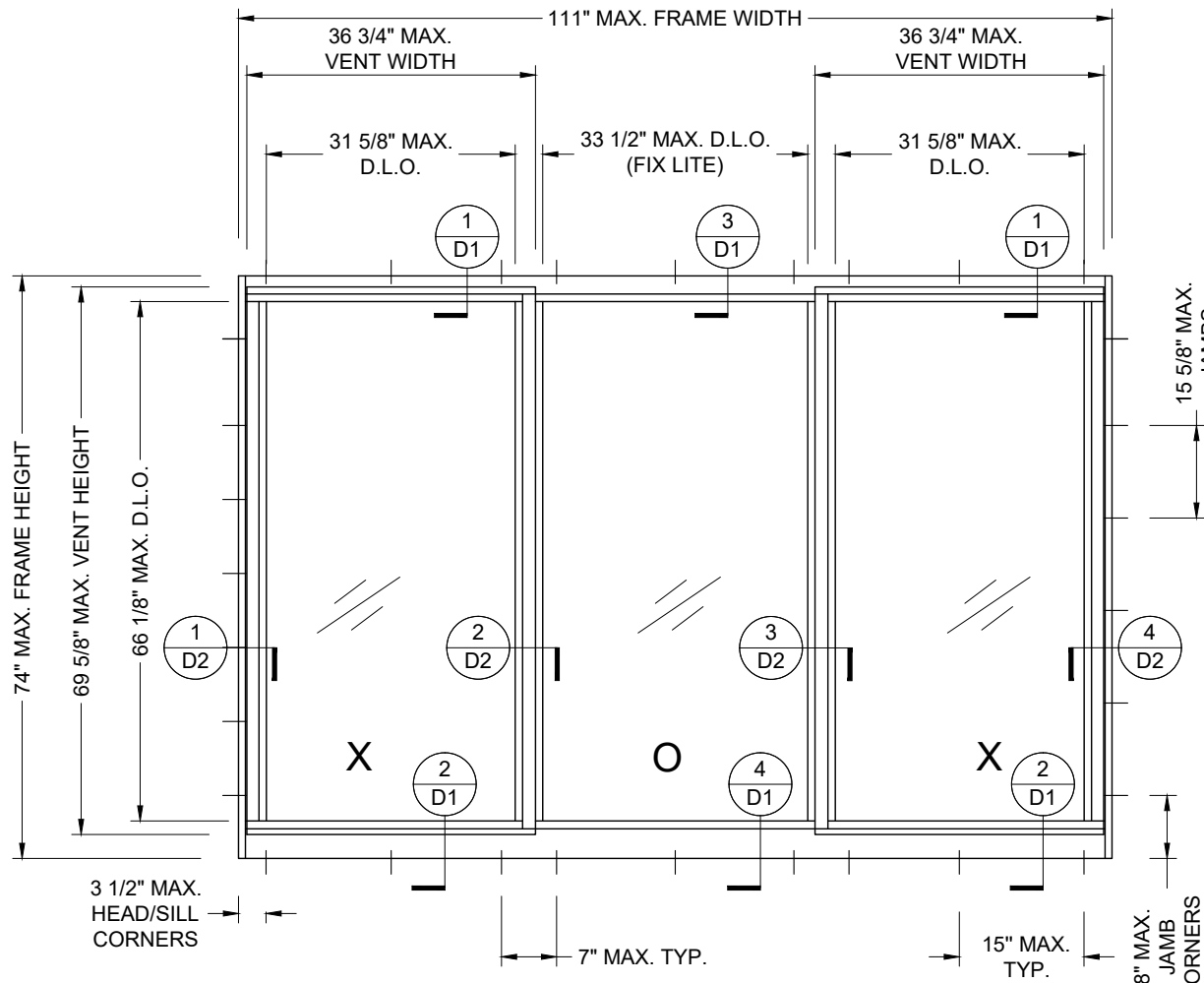
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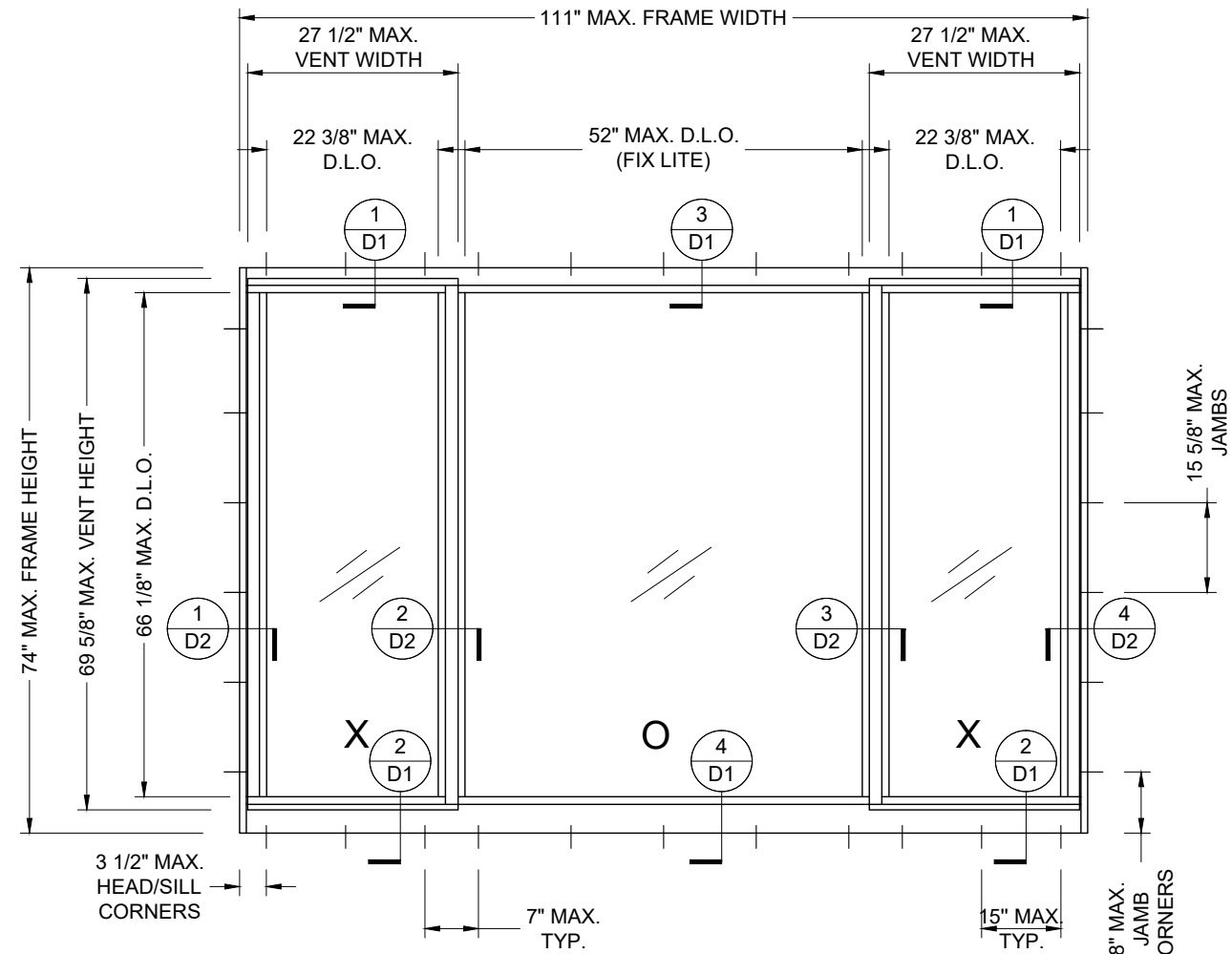
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01 OF 09

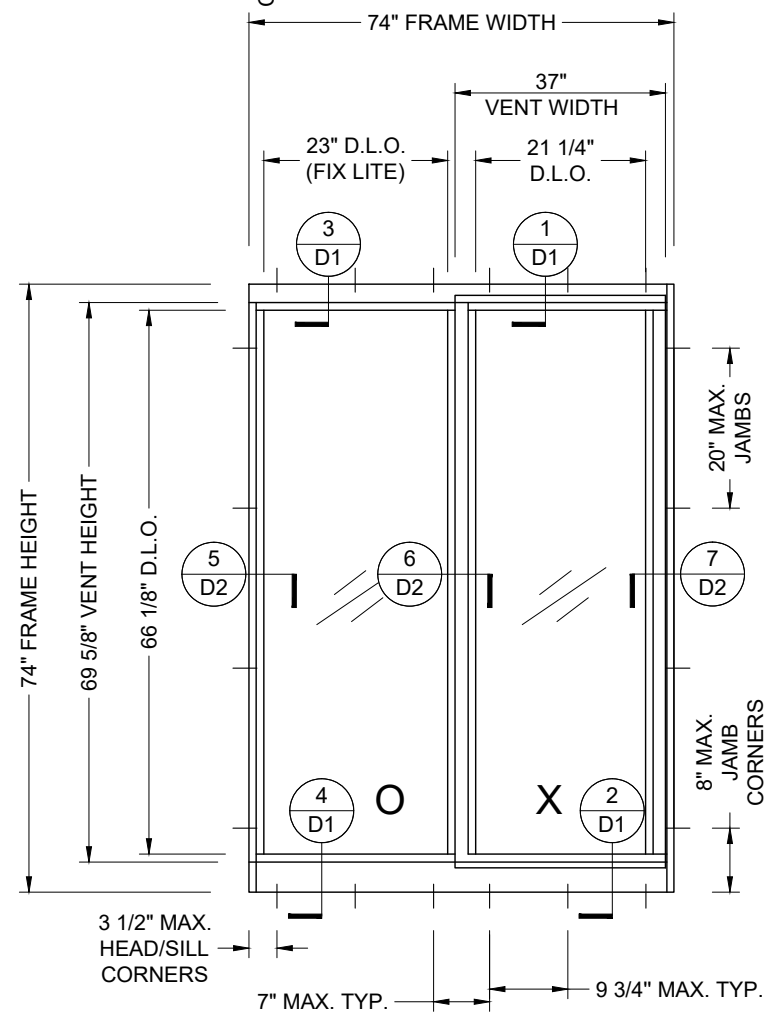
G1



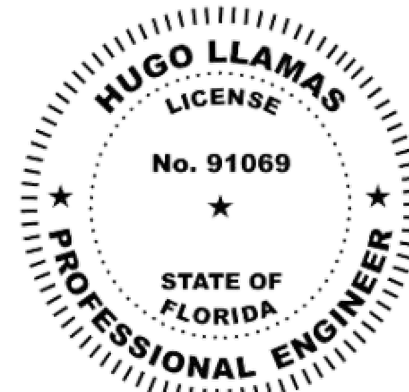
TYPICAL EXTERIOR ELEVATIONS
(1/3, 1/3, 1/3)
SEE DIMENSIONS ON CHART #3



TYPICAL EXTERIOR ELEVATIONS
(1/4, 1/2, 1/4)
SEE DIMENSIONS ON CHART #2

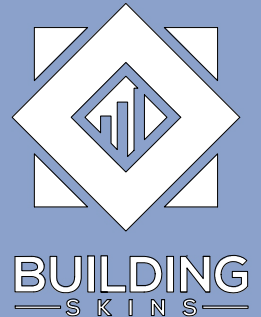


TYPICAL EXTERIOR ELEVATIONS
(OX, XO)
SEE DIMENSIONS ON CHART #1



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DRAWINGS NUMBER:

25-0158P.4

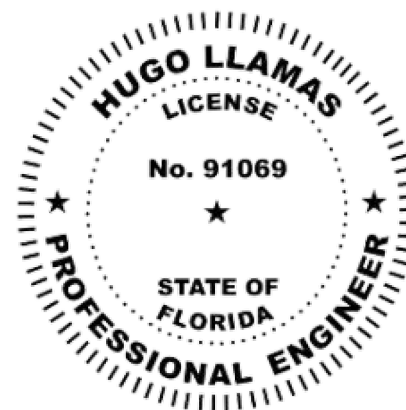
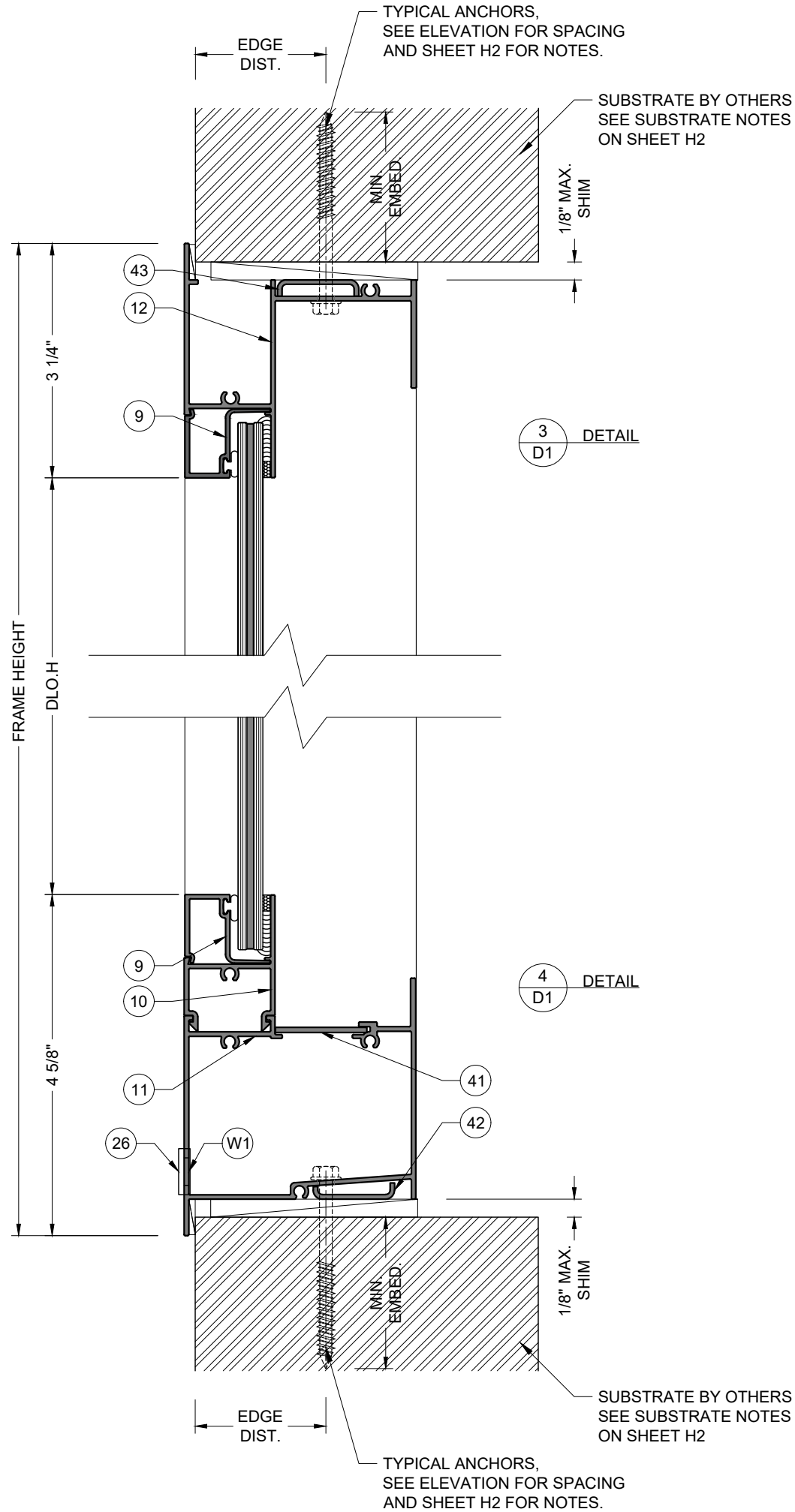
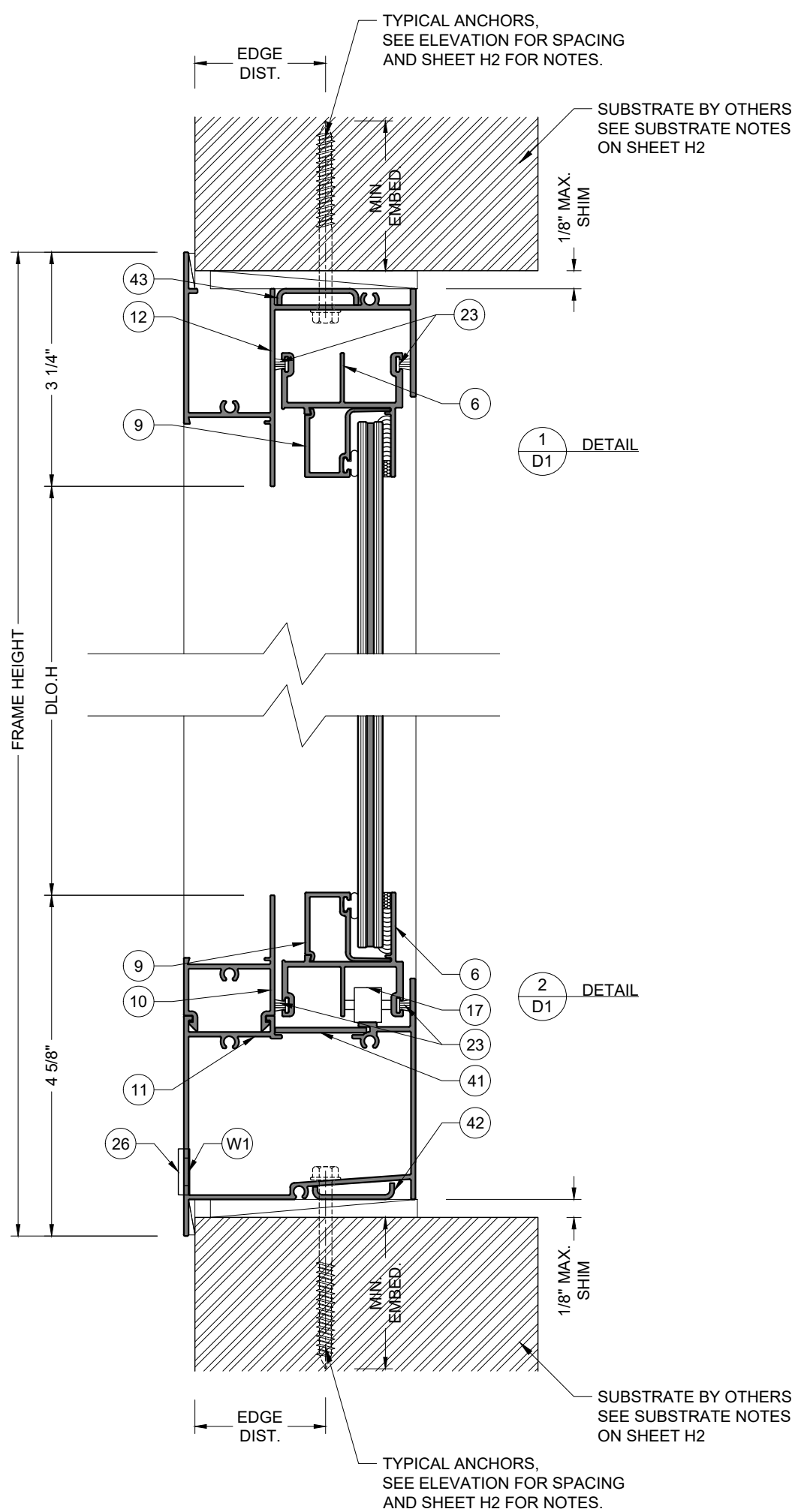
REVISIONS:

No.	DATE	DESCRIPTION

DATE:

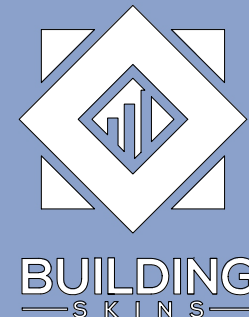
AUGUST 25TH, 2025

DRAWN BY: LR & AO	SCALE: 1/2"=1'-0"
SHEET No: 02 OF 09	SHEET NAME: E1



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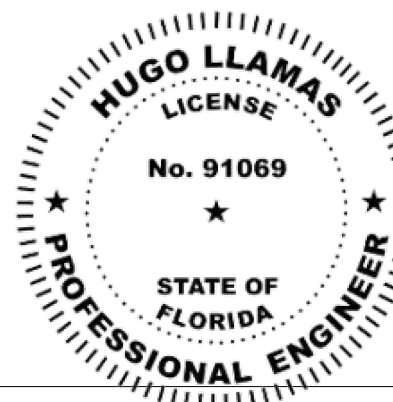
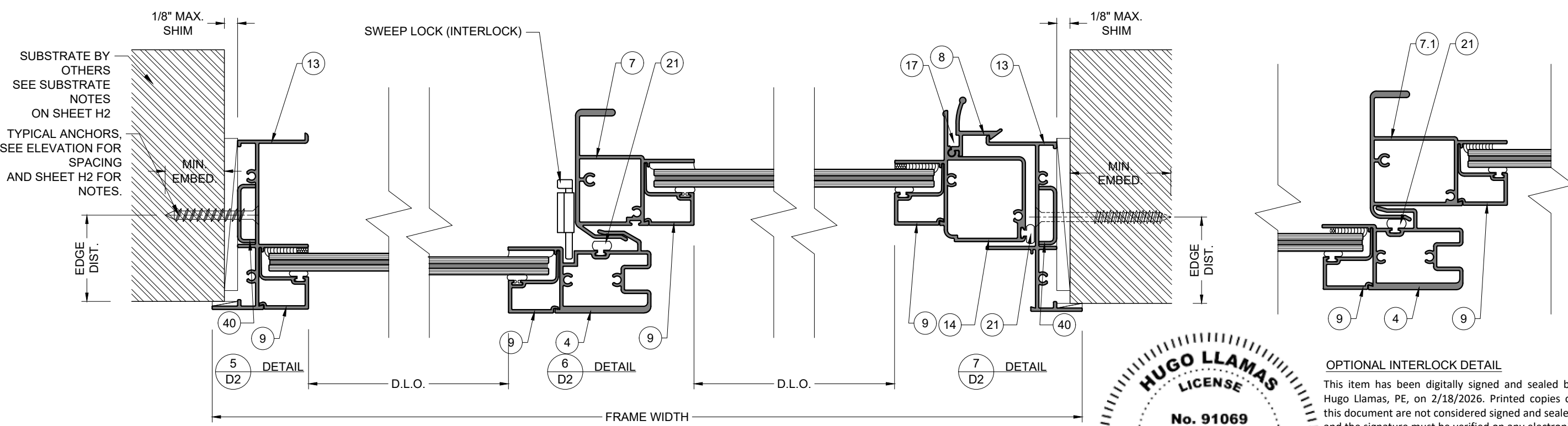
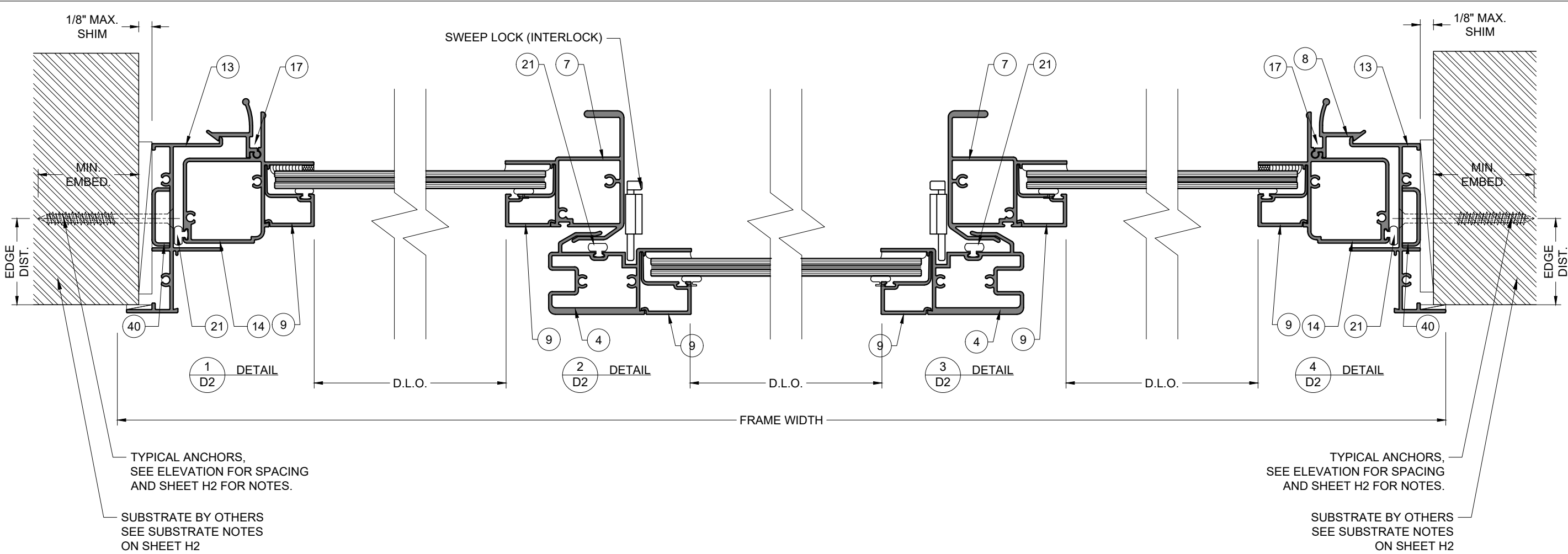
REVISIONS:

No.	DATE	DESCRIPTION

DATE: AUGUST 25TH, 2025

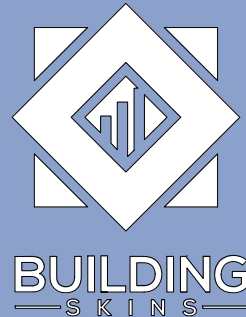
DRAWN BY: LR & AO SCALE: 6"=1'-0"

SHEET No: 03 OF 09 SHEET NAME: D1



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

DRAWINGS NUMBER:

25-0158P.4

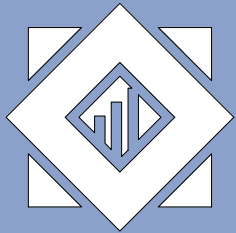
REVISIONS:

No.	DATE	DESCRIPTION

DATE: **AUGUST 25TH, 2025**

DRAWN BY: **LR & AO** SCALE: **6"=1'-0"**

SHEET No: **04 OF 09** SHEET NAME: **D2**



BUILDING
—S K I N S—

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HORIZONTAL ROLLING
WINDOW (L.M.I.)

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DRAWINGS NUMBER:

25-0158P.4

REVISIONS:

No.	DATE	DESCRIPTION

DATE:
AUGUST 25TH, 2025

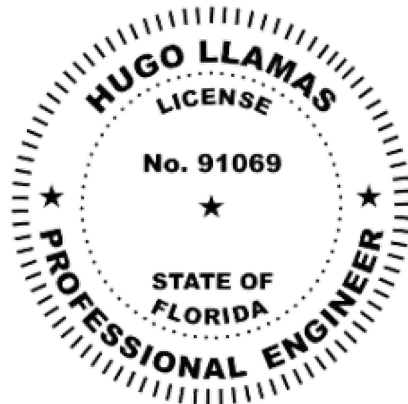
DRAWN BY: LR & AO	SCALE: NTS
SHEET No: 05 OF 09	SHEET NAME: H1

CHART #1

WINDOW ALLOWED DESIGN LOAD-PSF (XO&OX)											
WINDOW DIMS.		GLASS TYPE "G1"		GLASS TYPE "G2"		GLASS TYPE "G3" & "G4"				GLASS TYPE "G5" & "G6"	
FRAME HEIGHT	FRAME WIDTH	EXT(+)	INT(-)	EXT(+)	INT(-)	REINFORCED		W/O REINFORCEMENT		EXT(+)	INT(-)
						EXT(+)	INT(-)	EXT(+)	INT(-)		
26"	26 1/2"	90	100	65	75	80	100	66.7	75	90	130
	37"	90	100	65	75	80	100	66.7	75	90	130
	53 1/8"	90	100	65	75	80	100	66.7	75	90	130
	63"	90	100	65	75	80	100	66.7	75	90	130
	74"	90	100	65	75	80	100	66.7	75	90	130
38 3/8"	26 1/2"	90	100	65	75	80	100	66.7	75	90	130
	37"	90	100	65	75	80	100	66.7	75	90	130
	53 1/8"	90	100	65	75	80	100	66.7	75	90	130
	63"	90	100	65	75	80	100	66.7	75	90	130
	74"	90	100	65	75	80	100	66.7	75	90	130
42"	26 1/2"	90	100	65	75	80	100	66.7	75	90	130
	37"	90	100	65	75	80	100	66.7	75	90	130
	53 1/8"	90	100	65	75	80	100	66.7	75	90	130
	63"	90	100	65	75	80	100	66.7	75	90	130
	74"	90	100	65	75	80	100	66.7	75	90	130
50 5/8"	26 1/2"	90	100	65	75	80	100	66.7	75	90	130
	37"	90	100	65	75	80	100	66.7	75	90	130
	53 1/8"	90	100	65	75	80	100	66.7	75	90	130
	63"	90	100	65	75	80	100	66.7	75	90	130
	74"	90	92.8	65	75	80	100	66.7	75	90	130
63"	26 1/2"	65	75	65	75	80	100	66.7	75	90	130
	37"	65	75	65	75	80	100	66.7	75	90	130
	53 1/8"	65	75	65	75	80	100	66.7	75	90	130
	63"	65	75	65	75	80	100	66.7	75	90	130
	74"	65	71.5	65	73.5	80	100	66.7	75	90	130
74"	26 1/2"	65	75	65	75	80	100	66.7	75	90	130
	37"	65	75	65	75	80	100	66.7	75	90	130
	53 1/8"	65	75	65	75	80	100	66.7	75	90	130
	63"	-	-	-	-	80	100	66.7	75	90	130
	74"	-	-	-	-	80	100	66.7	75	90	130
76"	26 1/2"	65	75	65	75	80	100	66.7	75	90	130
	37"	65	75	65	75	80	100	66.7	75	90	130
	53 1/8"	65	75	65	75	80	100	66.7	75	90	130
	63"	-	-	-	-	80	100	66.7	75	90	130
	74"	-	-	-	-	80	100	66.7	75	90	130
82"	26 1/2"	65	75	65	75	80	100	66.7	75	90	130
	37"	65	75	65	75	80	100	66.7	75	90	130
	50"	-	-	-	-	80	100	66.7	75	90	130
	62"	-	-	-	-	80	100	66.7	75	90	130
	74"	-	-	-	-	-	-	-	-	-	-
92"	26 1/2"	65	75	65	75	80	100	66.7	75	90	130
	37"	65	75	65	75	80	100	66.7	75	90	130
	50"	-	-	-	-	80	100	66.7	75	90	130
	62"	-	-	-	-	-	-	-	-	-	-
	74"	-	-	-	-	-	-	-	-	-	-

CHART #2

WINDOW ALLOWED DESIGN LOAD-PSF (1/4,1/2,1/4)											
WINDOW DIMS.		GLASS TYPE "G1"		GLASS TYPE "G2"		GLASS TYPE "G3" & "G4"				GLASS TYPE "G5" & "G6"	
FRAME HEIGHT	FRAME WIDTH	EXT(+)	INT(-)	EXT(+)	INT(-)	REINFORCED		W/O REINFORCEMENT		EXT(+)	INT(-)
						EXT(+)	INT(-)	EXT(+)	INT(-)		
26"	53 1/8"	90	100	65	75	80	100	66.7	75	90	130
	63"	90	100	65	75	80	100	66.7	75	90	130
	74"	90	100	65	75	80	100	66.7	75	90	130
	94 1/2"	90	100	65	75	80	100	66.7	75	90	130
	111"	90	100	65	75	80	100	66.7	75	90	130
	120"	-	-	-	-	80	100	66.7	75	90	130
	150"	-	-	-	-	80	100	66.7	75	90	130
38 3/8"	53 1/8"	90	100	65	75	80	100	66.7	75	90	130
	63"	90	100	65	75	80	100	66.7	75	90	130
	74"	90	100	65	75	80	100	66.7	75	90	130
	94 1/2"	90	100	65	75	80	100	66.7	75	90	130
	111"	85.5	85.5	65	75	80	100	66.7	75	90	130
	120"	-	-	-	-	80	100	66.7	75	-	-
	150"	-	-	-	-	80	100	66.7	75	-	-
42"	53 1/8"	90	100	65	75	80	100	66.7	75	90	130
	63"	90	100	65	75	80	100	66.7	75	90	130
	74"	90	100	65	75	80	100	66.7	75	90	130
	94 1/2"	90	100	65	75	80	100	66.7	75	90	130
	111"	78.1	78.1	65	75	80	100	66.7	75	90	130
	120"	-	-	-	-	80	100	66.7	75	-	-
	150"	-	-	-	-	80	100	66.7	75	-	-
50 5/8"	53 1/8"	90	100	63.6	75	80	100	66.7	75	90	130
	63"	90	100	63.6	75	80	100	66.7	75	90	130
	74"	90	100	63.6	75	80	100	66.7	75	90	130
	94 1/2"	90	100	63.6	75	80	100	66.7	75	-	-
	111"	69.7	69.7	65	71.8	80	100	66.7	75	-	-
	120"	-	-	-	-	80	100	66.7	75	-	-
	150"	-	-	-	-	80	100	66.7	75	-	-
63"	53 1/8"	65	75	63.6	63.6	80	100	66.7	75	90	130
	63"	65	75	63.6	63.6	80	100	66.7	75	90	130
	74"	65	75	63.6	63.6	80	100	66.7	75	90	130
	94 1/2"	65	75	63.6	63.6	80	100	66.7	75	-	-
	111"	56	56	57.7	57.7	80	100	66.7	75	-	-
	120"	-	-	-	-	80	100	66.7	75	-	-
	150"	-	-	-	-	80	100	66.7	75	-	-
74"	53 1/8"	65	75	63.6	63.6	80	100	66.7	75	90	130
	63"	65	75	63.6	63.6	80	100	66.7	75	90	130
	74"	65	75	63.6	63.6	80	100	66.7	75	90	130
	94 1/2"	-	-	-	-	80	100	66.7	75	-	-
	111"	-	-	-	-	80	100	66.7	75	-	-



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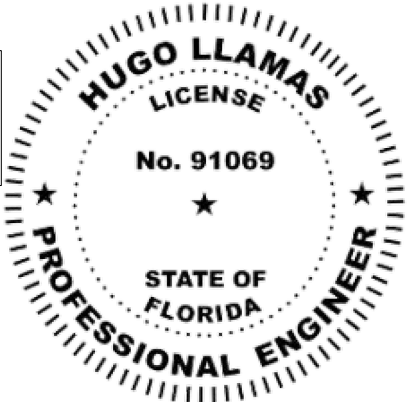
Hugo
Llamas

Digitally signed
by Hugo Llamas
Date: 2026.02.18
14:44:02 -05'00'

CHART #3

WINDOW ALLOWED DESIGN LOAD-PSF (1/3, 1/3, 1/3)											
WINDOW DIMS.		GLASS TYPE "G1"		GLASS TYPE "G2"		GLASS TYPE "G3" & "G4"				GLASS TYPE "G5" & "G6"	
						REINFORCED		W/O REINFORCEMENT			
FRAME HEIGHT	FRAME WIDTH	EXT(+)	INT(-)	EXT(+)	INT(-)	EXT(+)	INT(-)	EXT(+)	INT(-)	EXT(+)	INT(-)
26"	53 1/8"	90	100	90	100	80	100	66.7	75	90	130
	63"	90	100	90	100	80	100	66.7	75	90	130
	74"	90	100	90	100	80	100	66.7	75	90	130
	94 1/2"	90	100	65	75	80	100	66.7	75	90	130
	111"	90	100	65	75	80	100	66.7	75	90	130
	120"	-	-	-	-	80	100	66.7	75	90	130
	150	-	-	-	-	80	100	66.7	75	90	130
38 3/8"	53 1/8"	90	100	90	100	80	100	66.7	75	90	130
	63"	90	100	90	100	80	100	66.7	75	90	130
	74"	90	100	90	100	80	100	66.7	75	90	130
	94 1/2"	90	100	65	75	80	100	66.7	75	90	130
	111"	90	100	65	75	80	100	66.7	75	90	130
	120"	-	-	-	-	80	100	66.7	75	-	-
	150	-	-	-	-	80	100	66.7	75	-	-
42"	53 1/8"	90	100	90	100	80	100	66.7	75	90	130
	63"	90	100	90	100	80	100	66.7	75	90	130
	74"	90	100	90	100	80	100	66.7	75	90	130
	94 1/2"	90	100	65	75	80	100	66.7	75	90	130
	111"	90	100	65	75	80	100	66.7	75	90	130
	120"	-	-	-	-	80	100	66.7	75	-	-
	150	-	-	-	-	80	100	66.7	75	-	-
50 5/8"	53 1/8"	90	100	90	100	80	100	66.7	75	90	130
	63"	90	100	90	100	80	100	66.7	75	90	130
	74"	90	100	90	100	80	100	66.7	75	90	130
	94 1/2"	90	100	65	75	80	100	66.7	75	-	-
	111"	90	100	65	75	80	100	66.7	75	-	-
	120"	-	-	-	-	80	100	66.7	75	-	-
	150	-	-	-	-	80	100	66.7	75	-	-
63"	53 1/8"	65	75	65	75	80	100	66.7	75	90	130
	63"	65	75	65	75	80	100	66.7	75	90	130
	74"	65	75	65	75	80	100	66.7	75	90	130
	94 1/2"	65	75	65	75	80	100	66.7	75	-	-
	111"	65	75	65	74.1	80	100	66.7	75	-	-
	120"	-	-	-	-	80	100	66.7	75	-	-
	130"	-	-	-	-	80	100	66.7	75	-	-
74"	53 1/8"	65	75	65	75	80	100	66.7	75	90	130
	63"	65	75	65	75	80	100	66.7	75	90	130
	74"	65	75	65	75	80	100	66.7	75	90	130
	94 1/2"	-	-	-	-	80	100	66.7	75	-	-
	111"	-	-	-	-	80	100	66.7	75	-	-

REINFORCEMENT NOTES:
REINFORCING CLIPS SHALL BE INSTALLED AT EACH SILL AND FRAME INTERLOCK JOINT. EACH CLIP SHALL BE FASTENED WITH (2) #10 X ¾" FLAT PHILIPS HEAD SELF-TAPPING SCREWS FROM THE EXTERIOR OF THE SILL AND (2) #8 X 1 ¼" PAN HEAD SHEET METAL SCREWS SECURING THE CLIP TO THE SILL.



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TYPICAL ANCHORS:

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/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR MANSORY
1-1/4" MIN. EMBED (HEAD/SILL/JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS
1-1/4" 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: 16 GA. MIN. (Fy=36KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS

#14 DIA. SMS OR SELF DRILLING SCREWS (Fu=74 KSI, Fy= 57 KSI)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
0.090" THK. MIN. (NO SHIM SPACE)

WEEP HOLES
W1: 3/8" X 1 1/2" WEEP HOLES
AT 8" FROM EACH END (2) PER PANEL

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

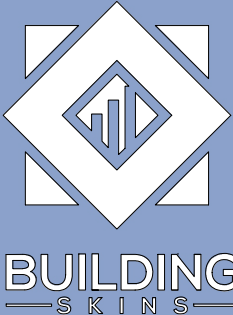
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f_c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f_m = 2000 PSI MIN.

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 WOOD BUCK
 - B.3. HOLLOW BLOCKS
 - B.4. METAL (STEEL / ALUMINUM)
 - B.5. WOOD STRUCTURE
 - B.6. MIAMI-DADE COUNTY APPROVED MULLION

SEALANT:

ALL FRAME AND VENT CORNERS AND INSTALLATIONS SIZES SEALED WITH SILICONE



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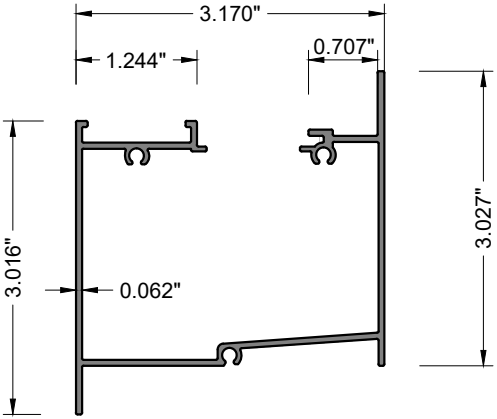
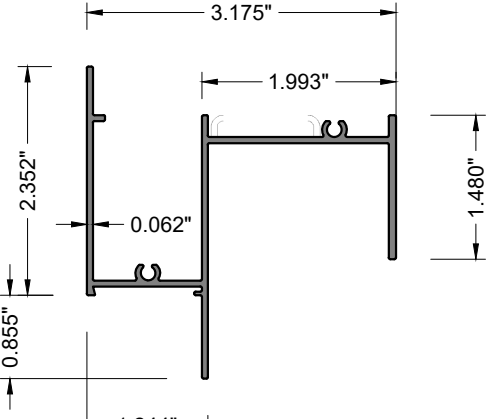
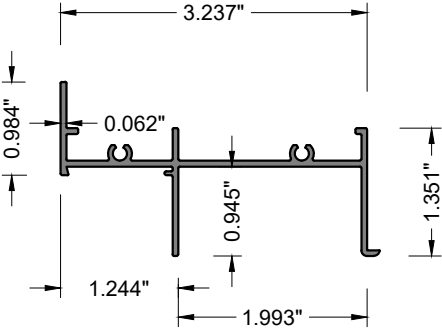
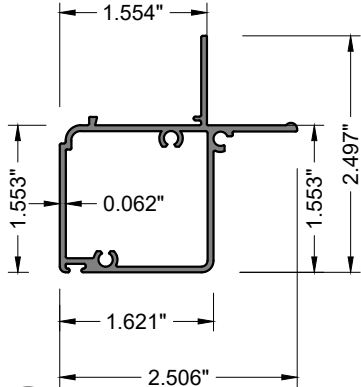
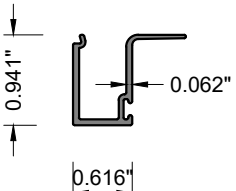
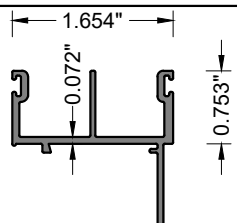
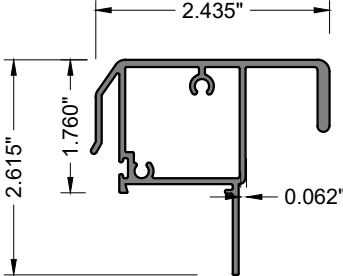
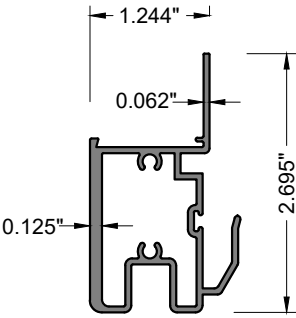
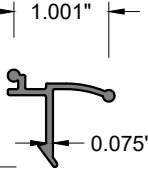
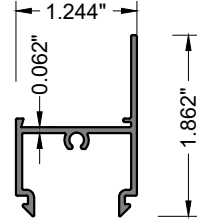
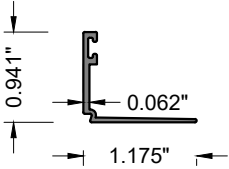
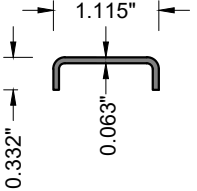
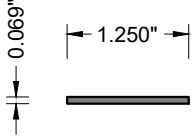
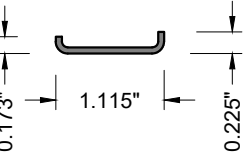
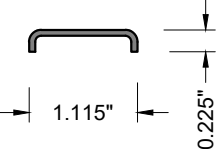
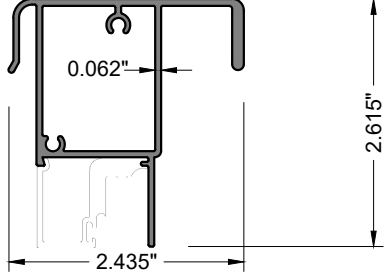
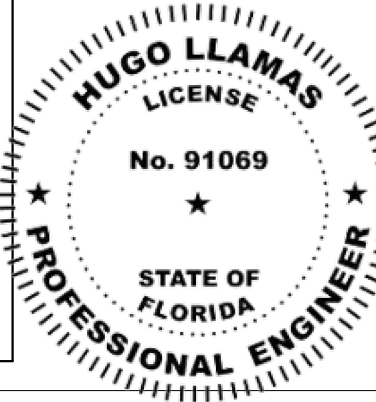
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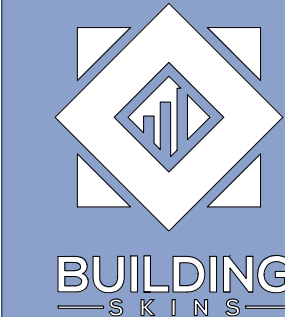
No.	DATE	DESCRIPTION

DATE:
AUGUST 25TH, 2025

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SHEET No: 06 OF 09	SHEET NAME: H2

EXTRUSIONS

 11 E113 FRAME SILL	 12 E115 FRAME HEAD	 13 E116 FRAME JAMB	 14 E117 VENT LOCK JAMB
 9 E110 GLAZING CHANNEL	 6 E106 VENT HEAD/SILL	 7 E107 VENT JAMB	 4 E104 FRAME INTERLOCK
 8 E103 LOCK EXTRUSION	 10 E112 GLAZING LEG		
 36 E121 GLAZING CHANNEL	 40 E128 ANCHOR CLIP JAMB	 41 E124 SILL COVER	 42 E128A ANCHOR CLIP SILL
 43 E128B ANCHOR CLIP HEAD	 7.1 E107 VENT JAMB	 This item has been digitally signed and sealed by Hugo Llamas, PE, on 2/18/2026. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. Hugo Llamas Digitally signed by Hugo Llamas Date: 2026.02.18 14:44:33 -05'00'	



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LR & AO

SCALE:

6"=1'-0"

SHEET No:

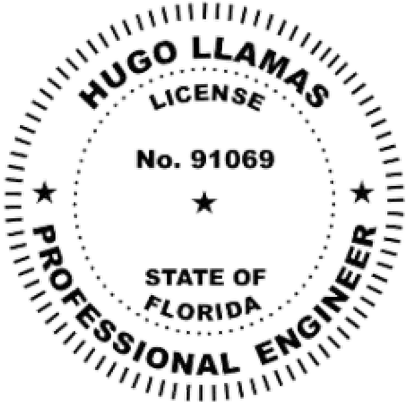
07 OF 09

SHEET NAME:

P1

BILL OF MATERIALS

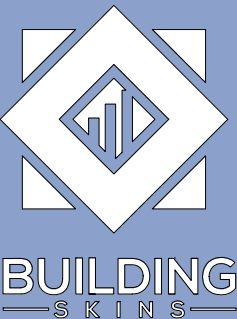
ITEM	PART	DESCRIPTION	QTY.	MATERIAL	MANUF. / REMARKS
4	E104	ALUM. FRAME INTERLOCK	AS REQD.	6063-T6	EMC WINDOWS AND DOORS, LLC.
6	E106	ALUM. VENT HEAD/SILL	2 PER. PANEL	6063-T6	EMC WINDOWS AND DOORS, LLC.
7	E107	ALUM. VENT JAMB	1 PER. MOVING PANEL	6063-T6	EMC WINDOWS AND DOORS, LLC.
8	E108	ALUM. LOCK EXTRUSION	2 PER. MOVING PANEL	6063-T6	EMC WINDOWS AND DOORS, LLC.
9	E110	ALUM. GLAZING CHANNEL	4 PER. PANEL	6063-T6	EMC WINDOWS AND DOORS, LLC.
10	E112	ALUM. ROLLING GLAZING LEG	1 PER. FRAME	6063-T6	EMC WINDOWS AND DOORS, LLC.
11	E113	ALUM. ROLLING STANDARD FRAME SILL	1 PER. FRAME	6063-T6	EMC WINDOWS AND DOORS, LLC.
12	E115	ALUM. ROLLING FRAME HEAD	1 PER. FRAME	6063-T6	EMC WINDOWS AND DOORS, LLC.
13	E116	ALUM. ROLLING FRAME JAMB	2 PER. FRAME	6063-T6	EMC WINDOWS AND DOORS, LLC.
14	E117	ALUM. ROLLING VENT LOCK JAMB	1 PER. MOVING PANEL	6063-T6	EMC WINDOWS AND DOORS, LLC.
16	SEAL01-1	DOWSIL 995 BACK SILICONE OR EQUIVALENT OR BETTER	AS REQD.	SILICONE	DOWSIL
17	H0001	LOCK SPRING	AS REQD.	STEEL	EMC WINDOWS AND DOORS, LLC.
20	W0019	.125 X .25 GLAZING TAPE, 2 SIDED	AS REQD.	TAPE	FRANK LOWED
21	V0020	E708 VINYL BULB, FRAME	AS REQD.	VINYL	FENESTRATION GLASS PRODUCTS
22	V0021	E202 VINYL BULB, GLAZING STOP	AS REQD.	VINYL	FENESTRATION GLASS PRODUCTS
23	W0023	WOOL PILE, FRAME	AS REQD.	WOOL	ULTRA FAB
25	H0104	SLIDER WHEEL ASSEMBLY	AS REQD.	-	EMC WINDOWS AND DOORS, LLC.
26	H0105	WEEP COVER	AS REQD.	PLASTIC	EMC WINDOWS AND DOORS, LLC.
36	E121	ALUM. INSULATED GLAZING CHANNEL	AS REQD.	6060-T6	EMC WINDOWS AND DOORS, LLC.
39	# 8 X 1	FRAME ASSEMBLY SCREWS	AS REQD.	ST/ST	VARIES
40	E128	ALUM. ANCHOR CLIP 1/16" THICK 3" LONG	1 PER. ANCHOR	6063-T6	EMC WINDOWS AND DOORS, LLC.
41	E124	SILL COVER	1 PER. FRAME	6063-T6	EMC WINDOWS AND DOORS, LLC.
42	E128A	ALUM. ANCHOR CLIP 1/16" THICK 3" LONG	1 PER. ANCHOR	6063-T6	EMC WINDOWS AND DOORS, LLC.
43	E128B	ALUM. ANCHOR CLIP 1/16" THICK 3" LONG	1 PER. ANCHOR	6063-T6	EMC WINDOWS AND DOORS, LLC.
44	-	CRL GRAY EDGETECH SUPER SPACER - GLASS SPACER	AS REQD.	SILICONE FOAM	C.R. LAURENCE CO., INC.
45	-	SETTING BLOCK, 75±5 DUROMETER	AS REQD.	EPDM	VARIES



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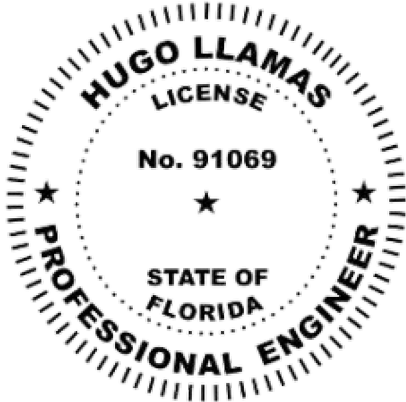
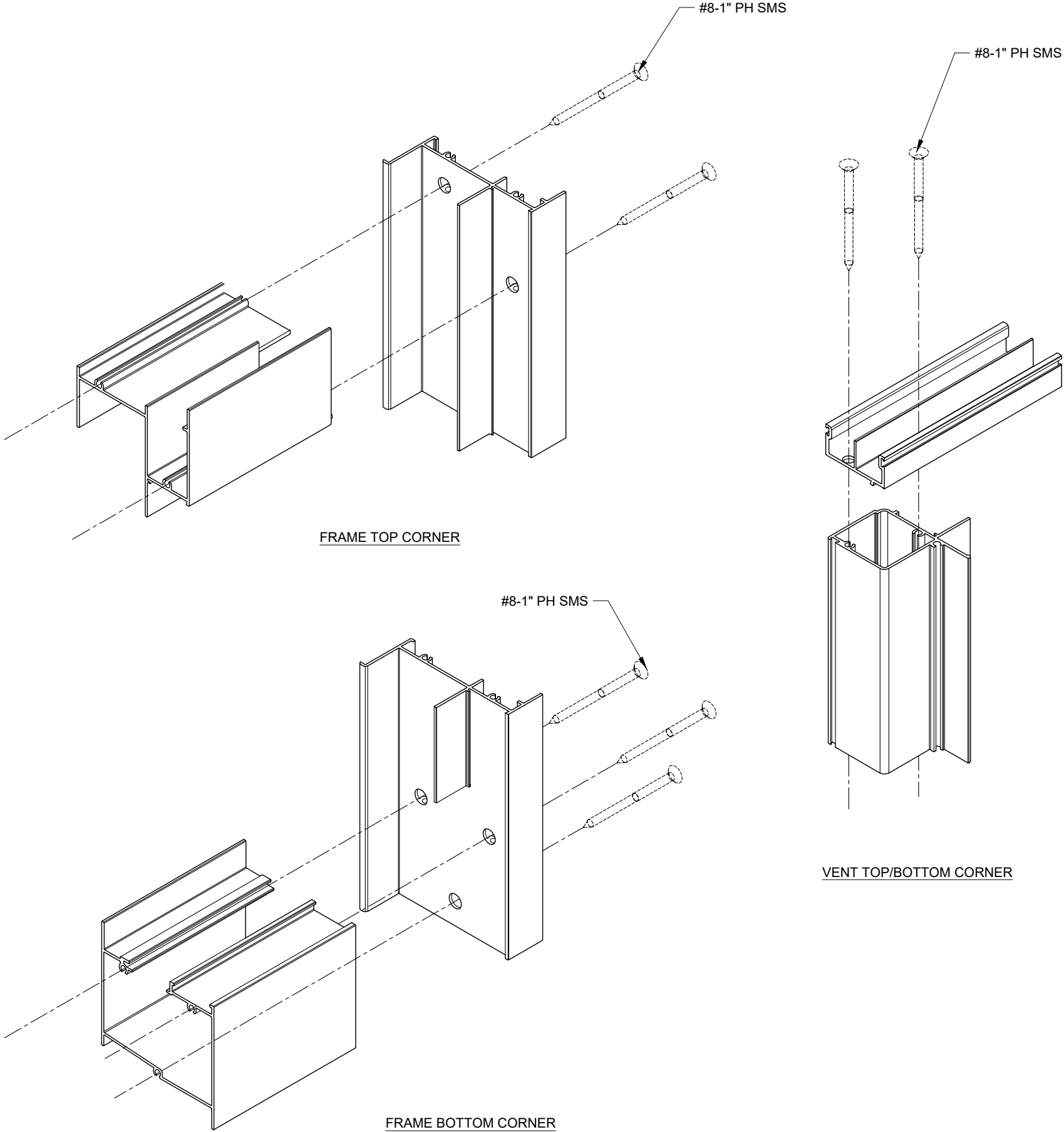
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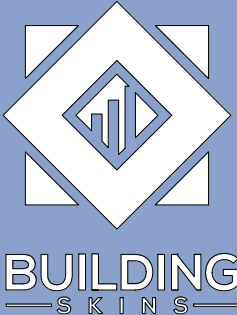
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ISOMETRICS



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SHEET No: 09 OF 09	SHEET NAME: P3