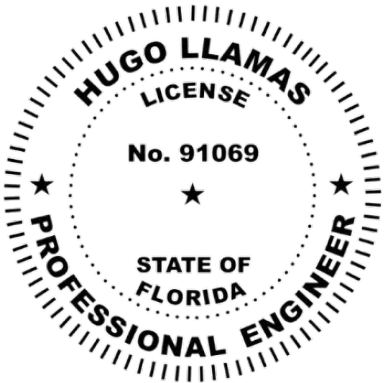


PRODUCT DEVELOPMENT

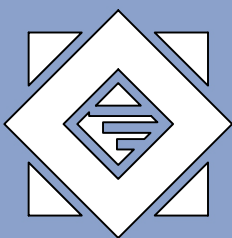
SERIES WW-1100
STOREFRONT

PRODUCT APPROVAL DRAWINGS



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BUILDING
SKINS

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Miami Florida, 33132

SERIES "WW-1100"
STOREFRONT
LARGE MISSILE IMPACT (L.M.I.)

LUXURY WINDOWS CORP.

5225 NW 36th AVE.
MIAMI, FL 33142
Ph. 305-993-9345
luxurywindowscorp@gmail.com

DRAWINGS NUMBER
BSE. # 22-0163.1

REVISIONS:

No.	Date	Description
1	08/20/2025	GLASS 2

DATE:
May 2nd, 2025

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Sheet No. 00 OF 06	SHEET NO. Cover
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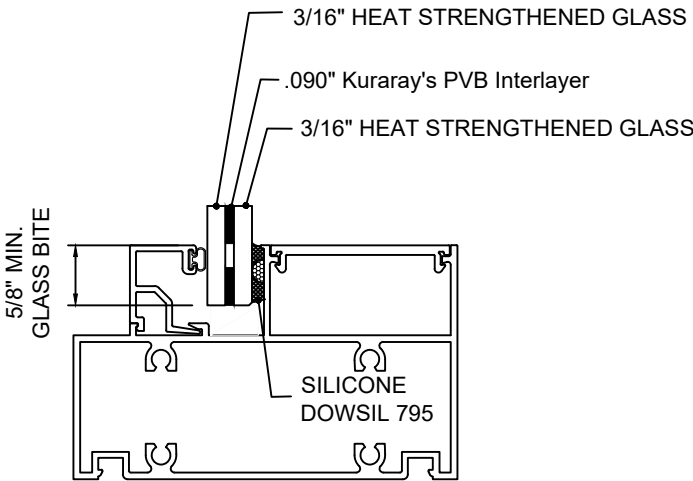
SERIES WW-1100 STOREFRONT (LMI)

GENERAL NOTES

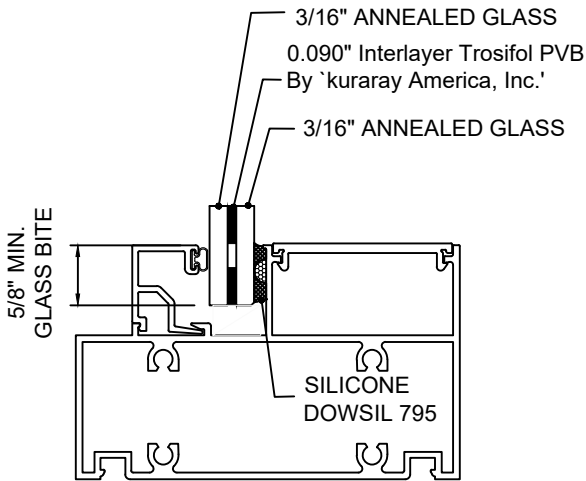
- A. THE PRODUCT SHOWN HEREIN IS DESIGNED AND TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE 8TH EDITION 2023 (FBC 2023), INCLUDING HVHZ (HIGH VELOCITY HURRICANE ZONE)
- B. ADEQUACY OF THE EXISTING STRUCTURAL SUBSTRATE (METAL, CONCRETE, MASONRY, WOOD, ETC) NEEDS TO BE ABLE TO WITHSTANDING AND TRANSFERRING 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 MISSILE IMPACT (L.M.I.) & SMALL MISSILE IMPACT (S.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 03 CONTAINS THE MAXIMUM ALLOWABLE DESIGN LOAD CAPACITY FOR CONTINUING WINDOW WALLS CONFIGURED NEXT TO EACH OTHER.
- B. ANCHORS SPACING ARE SHOWN IN ALL GLAZING ELEVATIONS.
- C. ANCHOR TYPES ARE SHOWN ON SHEET 04. THIS SHEET SHOWS THE EDGE DISTANCE, EMBEDMENT, TYPE OF ANCHOR, AND ALL REQUIREMENTS ANCHORES NEED TO COMPLY WITH THESE SPECIFIATIONS



G1 GLASS TYPE 1 (L.M.I.)
1/2" NOMINAL OVERALL

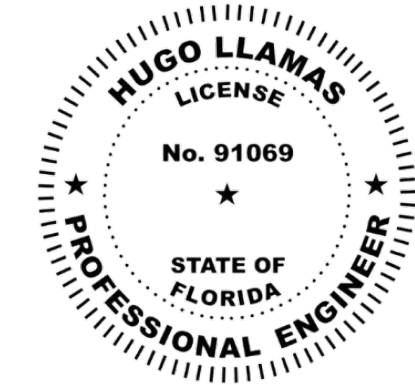


G2 GLASS TYPE 2 (L.M.I.)
1/2" NOMINAL OVERALL

GLASS CONFIGURATION FOR STOREFRONT

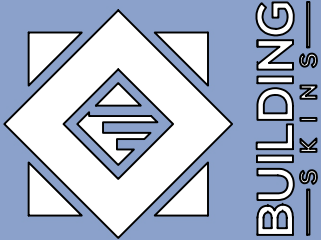
GLASS DESIGN NOTES

- 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.



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DRAWINGS NUMBER
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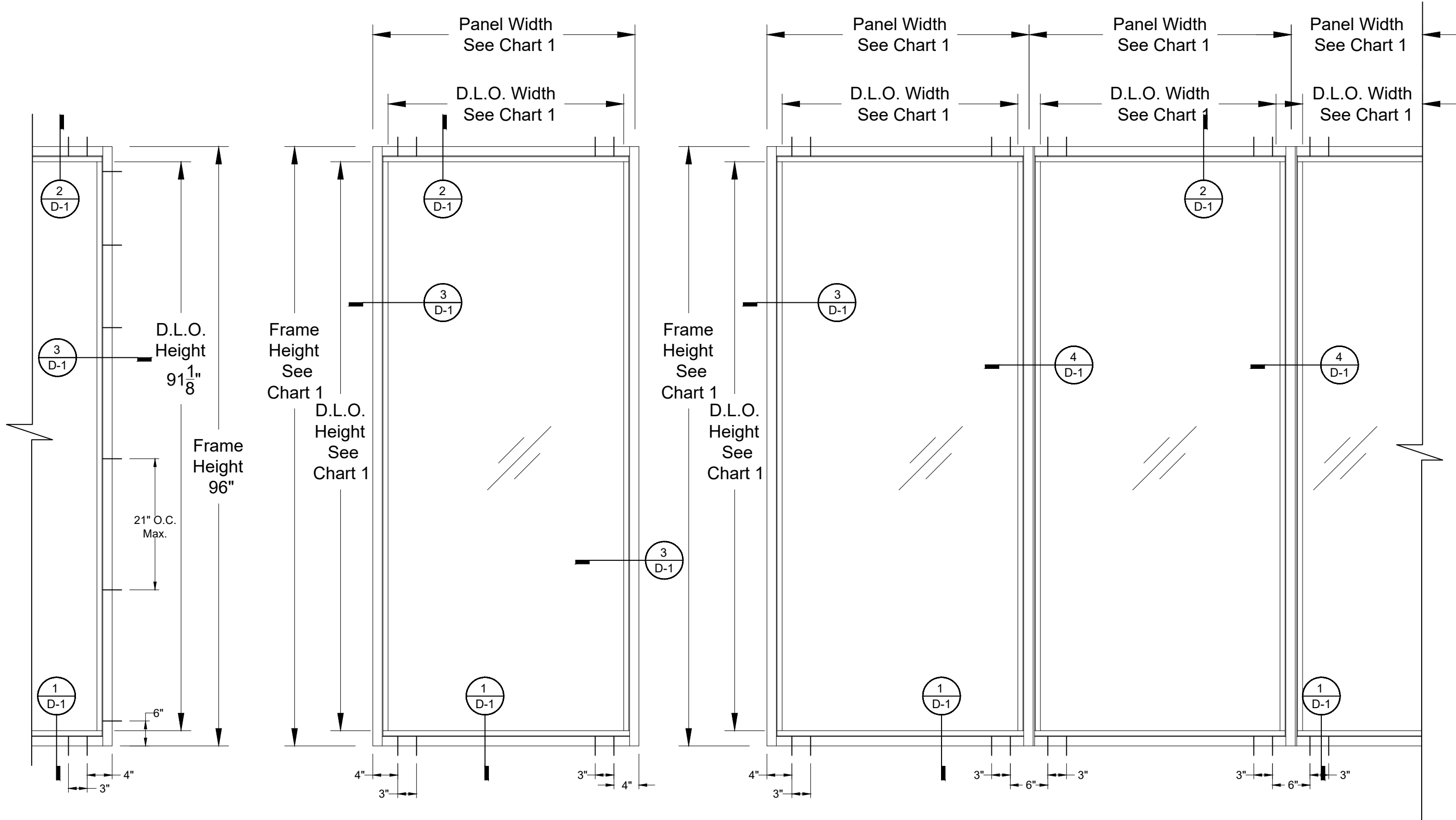
DATE:
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1:1

Sheet No.
01 OF 06

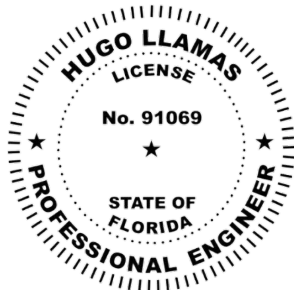
SHEET NO.
G-1



STOREFRONT ANCHORED JAMBS

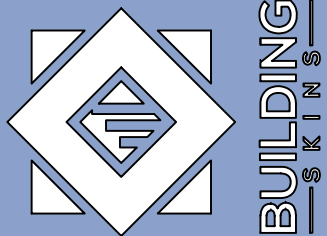
STOREFRONT TYP. ELEVATION
UNANCHORED JAMBS

FOR DESIGN LOADS CAPACITIES SEE CHART 1 & CHART 2



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3/4" = 1'-0"

Sheet No.

02 OF 06

SHEET NO.

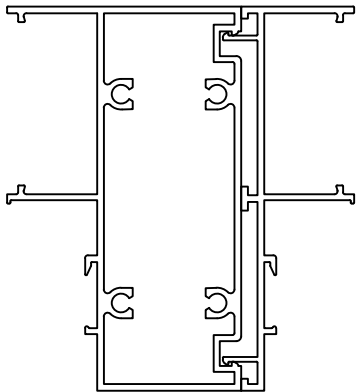
WE-1

CHART 1

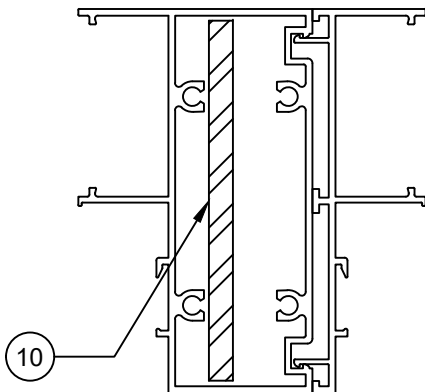
MULLION & JAMB DESIGN LOAD - PSF			
WINDOW DIMS.		SIDELITE	
		MULL. WITHOUT REINF.	MULL. WITH REINF.
		'M1' & 'J1'	'M2' & 'J1'
PANEL WIDTH (IN)	FRAME HEIGHT (IN)	EXT. (+)	EXT. (+)
		INT (-)	INT (-)
32	78	75.00	75.00
36		75.00	75.00
40		75.00	75.00
44		75.00	75.00
52		75.00	75.00
32	84	75.00	75.00
36		75.00	75.00
40		75.00	75.00
44		75.00	75.00
52		63.51	75.00
32	90	75.00	75.00
36		74.59	75.00
40		67.13	75.00
44		61.03	75.00
52		51.64	75.00
32	96	69.14	75.00
36		61.46	75.00
40		55.31	75.00
44		50.28	75.00
48		46.09	75.00

INTERPOLATION BETWEEN WIDTHS ALLOWED

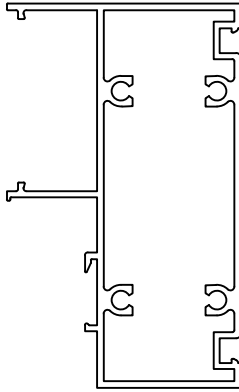
STOREFRONT MULLIONS



M1



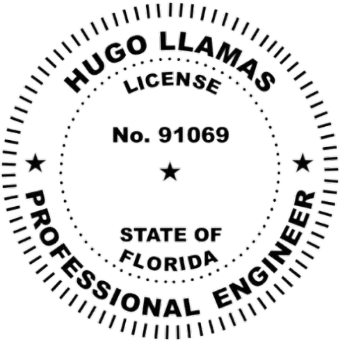
M2



J1

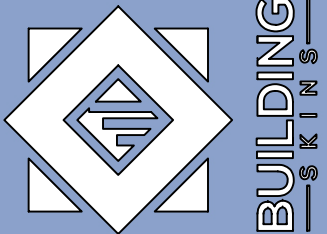
CHART 2

GLASS DESIGN LOAD - PSF			
WINDOW DIMS.		GLASS TYPE 1	GLASS TYPE 2
PANEL WIDTH (IN)	FRAME HEIGHT (IN)	EXT. (+)	EXT. (+)
		INT (-)	INT (-)
27-1/8"	73-1/8"	75.00	60.00
31-1/8"		75.00	60.00
35-1/8"		75.00	60.00
39-1/8"		75.00	60.00
47-1/8"		75.00	60.00
27-1/8"	79-1/8"	75.00	60.00
31-1/8"		75.00	60.00
35-1/8"		75.00	60.00
39-1/8"		75.00	60.00
47-1/8"		75.00	60.00
27-1/8"	85-1/8"	75.00	60.00
31-1/8"		75.00	60.00
35-1/8"		75.00	60.00
39-1/8"		75.00	60.00
47-1/8"		75.00	60.00
27-1/8"	91-1/8"	75.00	60.00
31-1/8"		75.00	60.00
35-1/8"		75.00	60.00
39-1/8"		75.00	60.00
43-1/8"		75.00	60.00



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Miami Florida, 33132

SERIES "WW-1100"
STOREFRONT
LARGE MISSILE IMPACT (L.M.I.)

LUXURY WINDOWS CORP.

5225 NW 36th AVE.
MIAMI, FL 33142
Ph. 305-993-9345
luxurywindowscorp@gmail.com

DRAWINGS NUMBER

BSE. # 22-0163.1

REVISIONS:

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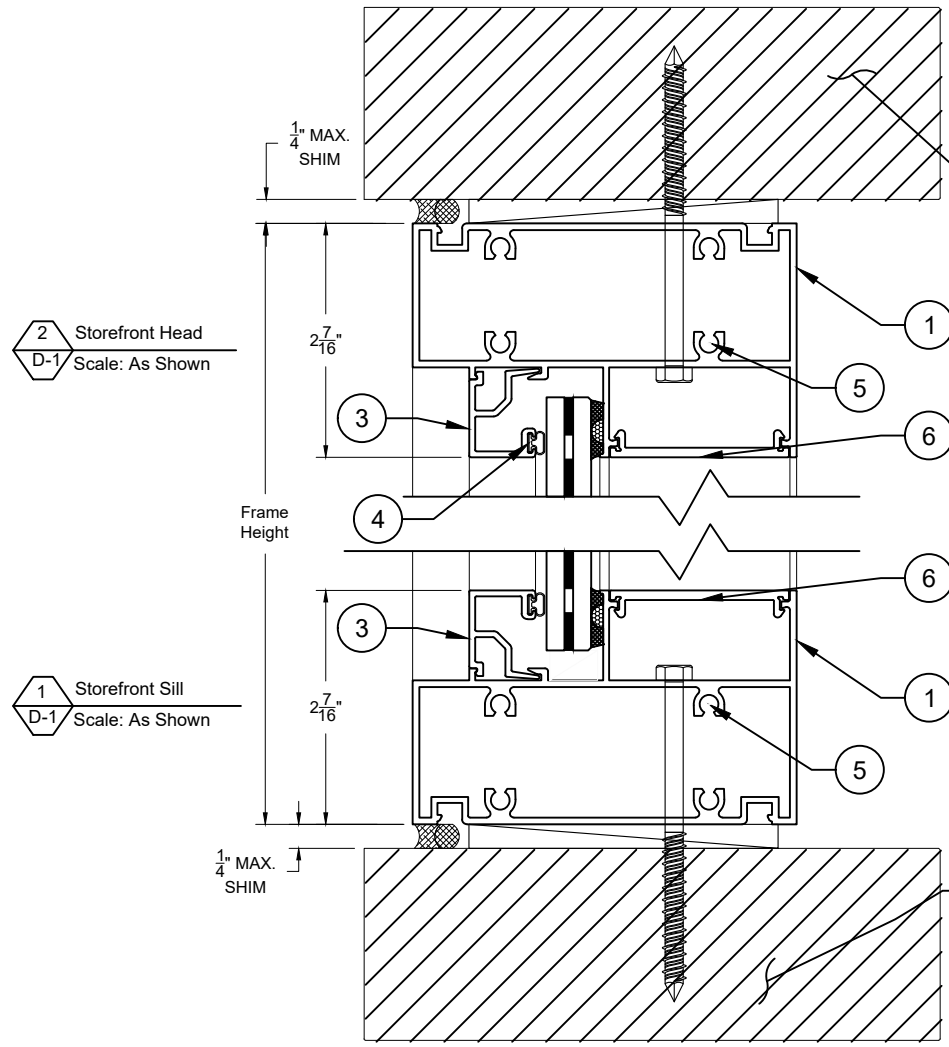
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Sheet No.
03 OF 06

SHEET NO.
WE-2



2 Storefront Head
D-1 Scale: As Shown

1 Storefront Sill
D-1 Scale: As Shown

SUBSTRATE BY OTHERS
TYPE OF ANCHOR AS PER
TYPICAL ANCHOR NOTES
SEET SHEET 04

SUBSTRATE BY OTHERS
TYPE OF ANCHOR AS PER
TYPICAL ANCHOR NOTES
SEET SHEET 04

SUBSTRATE NOTES:

- SUBSTRATE IS BY ENGINEER OF RECORD (E.O.R.) OR ARCHITECT OF RECORD (A.O.R.)
- THIS GLAZING SYSTEM CAN IS APPROVED TO BE ANCHORED TO:
 - a. CONCRETE
 - b. CONCRETE THRU 1BY BUCK
 - c. HOLLOW/FILLED BLOCK
 - d. WOOD SUBSTRATE OR 2BY BUCK
 - e. METAL (STEEL / ALUMINUM)

TYPICAL ANCHORS:

TYPE 'A'- **1/4" DIA, KWIK-CON II+ BY 'HILTI'**
DIRECTLY INTO CONCRETE OR BLOCKS:
2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

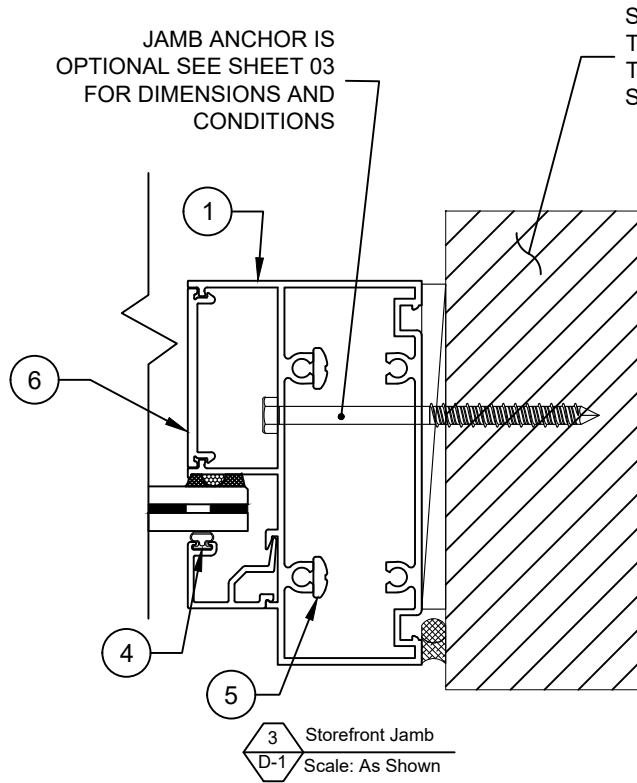
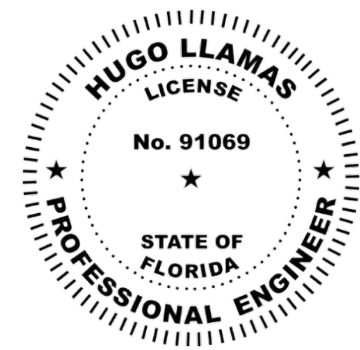
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
WITH 1-1/2" MIN. EMBEDMENT INTO WOOD

THRU 1BY WOOD BUCKS INTO CONCRETE
WITH 1-1/2" MIN. EMBED INTO CONCRETE

TYPE 'B'- **1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)**
INTO METAL STRUCTURE
ALUMINIUM: 1/8" THK. MIN (6063-T5 MIN)
STEEL: 1/8" THK. MIN. (Fy=36 KSI MIN)

EDGE DISTANCE
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO METAL STRUCTURE = 1/2"
INTO WOOD STRUCTURES = 1" MIN.

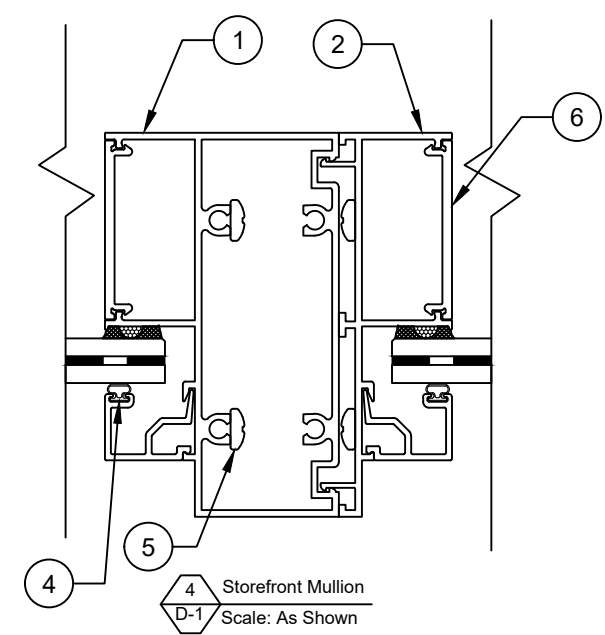
ALL CONCRETE NEEDS TO HAVE 3000 PSI MIN.
ALL HOLLOW/FILLED BLOCK SUBSTRATE NEEDS TO HAVE 2000 PSI MIN.
ALL WOOD SUBSTRATE NEEDS TO HAVE SG = 0.55 MIN.



JAMB ANCHOR IS
OPTIONAL SEE SHEET 03
FOR DIMENSIONS AND
CONDITIONS

SUBSTRATE BY OTHERS
TYPE OF ANCHOR AS PER
TYPICAL ANCHOR NOTES
SEET SHEET 04

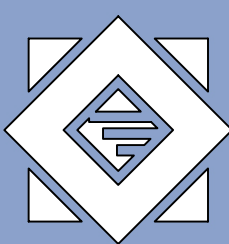
3 Storefront Jamb
D-1 Scale: As Shown



4 Storefront Mullion
D-1 Scale: As Shown

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SERIES "WW-1100"
STOREFRONT
LARGE MISSILE IMPACT (L.M.I.)

LUXURY WINDOWS CORP.
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Ph. 305-993-9345
luxurywindowscorp@gmail.com

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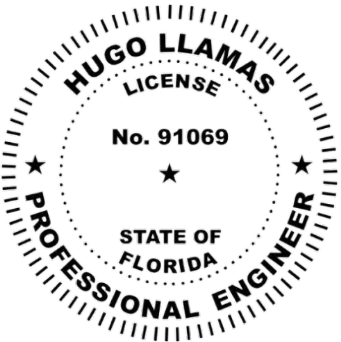
No.	Date	Description
1	08/20/2025	GLASS 2

DATE:
May 2nd, 2025

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RC	1:2

Sheet No.	SHEET NO.
04 OF 06	D-1

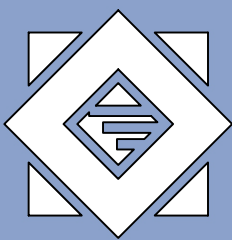
ITEM	PARTNo	DESCRIPTION	MATERIAL	MANUFACTURER/SUPPLIER
1	1	STOREFRONT FRAME	6063-T6	KEYMARK
2	2	STOREFRONT ADAPTOR	6063-T6	KEYMARK
3	3	7/16" GLAZING BEAD	6063-T6	KEYMARK
4	E202	BULB GASKET (GLAZING)	ST/ST	ULTRAFAB
5	#12 X 1-3/4"	FRAME ASSEMBLY FASTENERS	ST/ST	PH SMS
6	6	ANCHOR CAP	6063-T6	KEYMARK
7	90054A520	3/8" x 2" - PANEL ASEEMBLY	ST/ST	HH SMS
8	-	HINGE ASSEMBLY	ALUM.	SULLIVAN AND ASSOC.
9	W23351NG00G	PILEWSTRIPPING	-	ULTRAFAB
10	10	3-3/4"x1/4" STEEL MEMBER	ST A572	-



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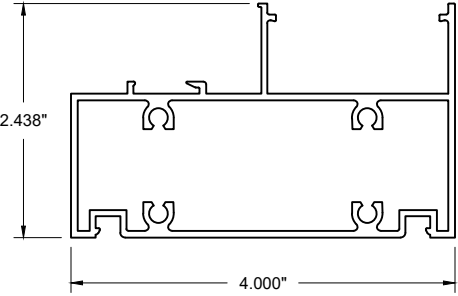
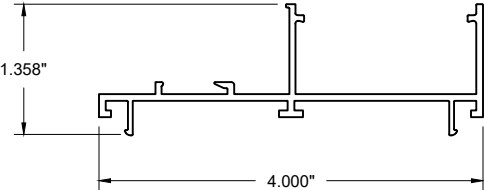
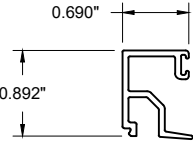
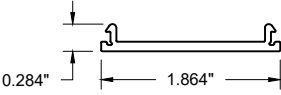
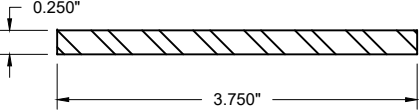
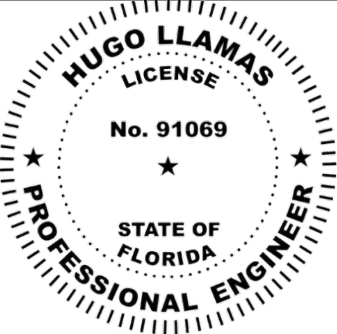
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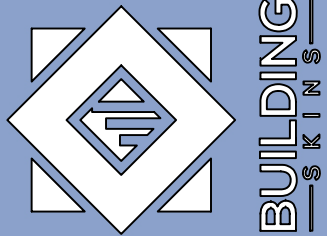
No.	Date	Description
1	08/20/2025	GLASS 2

DATE:
May 2nd, 2025

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Sheet No. 05 OF 06	SHEET NO. D-2

STOREFRONT EXTRUSIONS

① STOREFRONT FRAME 	② STOREFRONT ADAPTOR 	③ $\frac{7}{16}$ GLAZING BEAD 	⑥ ANCHOR CAP 
⑩ MULLION REINFORCEMENT 			
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Sheet No. 06 OF 06	SHEET NO. E-1