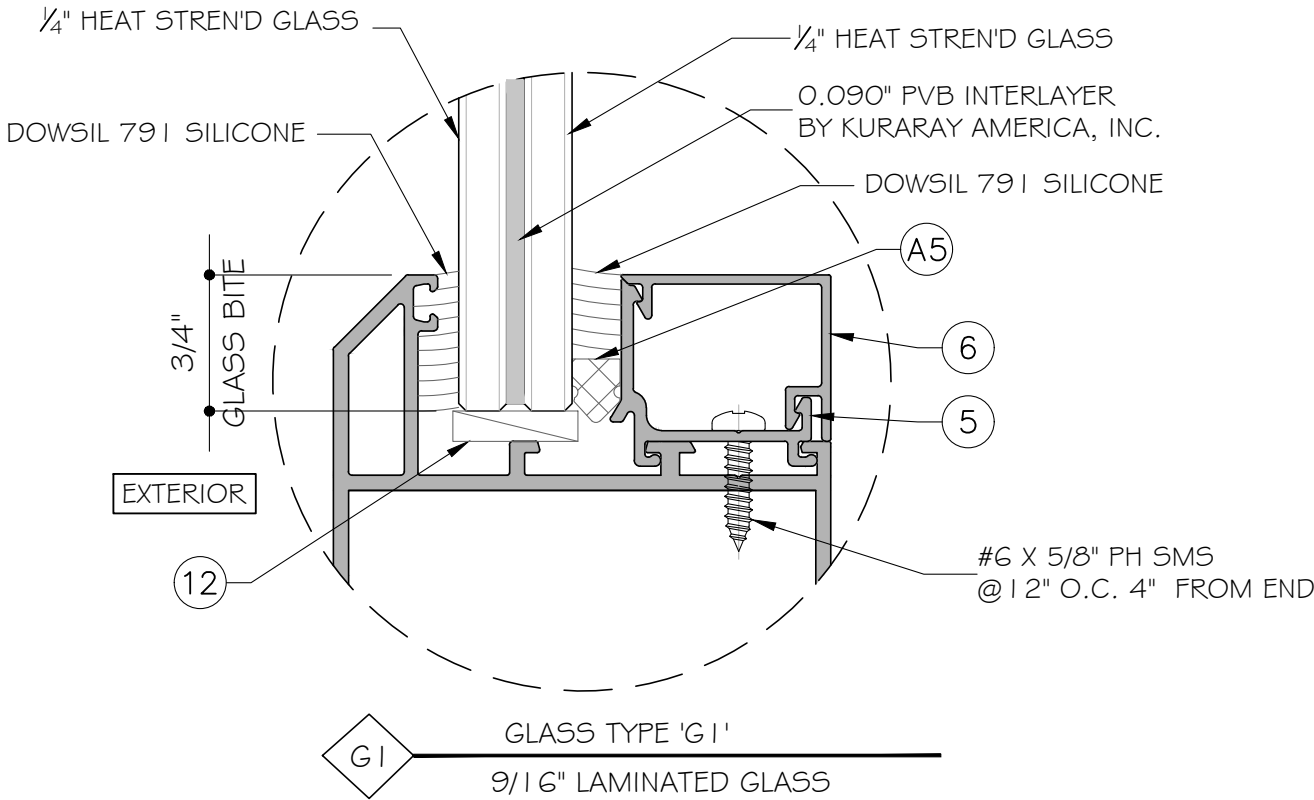


ALUMINUM BI-FOLD DOOR
LARGE MISSILE IMPACT (L.M.I.)
IMPACT LEVEL "D"



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

GENERAL NOTES:

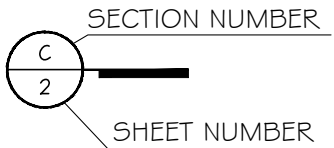
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH EDITION (2020)/ 8TH EDITION (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS RATED FOR LARGE MISSILE IMPACT. LMI SYSTEM TO BE USED FOR INSTALLATIONS UP TO 30 FT OF GRADE. IMPACT SHUTTERS ARE NOT REQUIRED.
- THESE BI-FOLDING DOOR ARE APPROVED FOR AIR AND 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 FLORIDA BUILDING CODE 7TH EDITION (2020)/8TH EDITION (2023) SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY SHANGHAI SUPERHOUSE BUILDING MATERIAL 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.
- SEALANT:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME
INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.

INSTRUCTIONS:
USE CHARTS AS FOLLOWS.

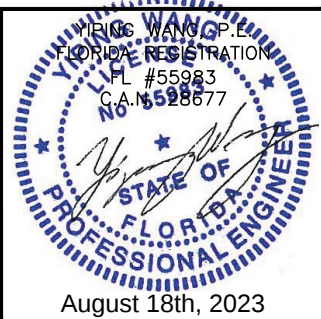
- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.
- STEP 2: SEE FOR GLASS OPTION ABOVE ON THIS COVER SHEET
SEE SHEET E1 FOR APPROVED DOOR SIZE AND DESIGN LOAD CAPACITY BASED ON APPLICABLE WIND DURATION.
- STEP 3: SEE ANCHOR TYPE ON SHEET A1.
SEE SHEET E1 FOR ANCHOR REQUIREMENT.

ABBREVIATIONS AND SYMBOLS

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



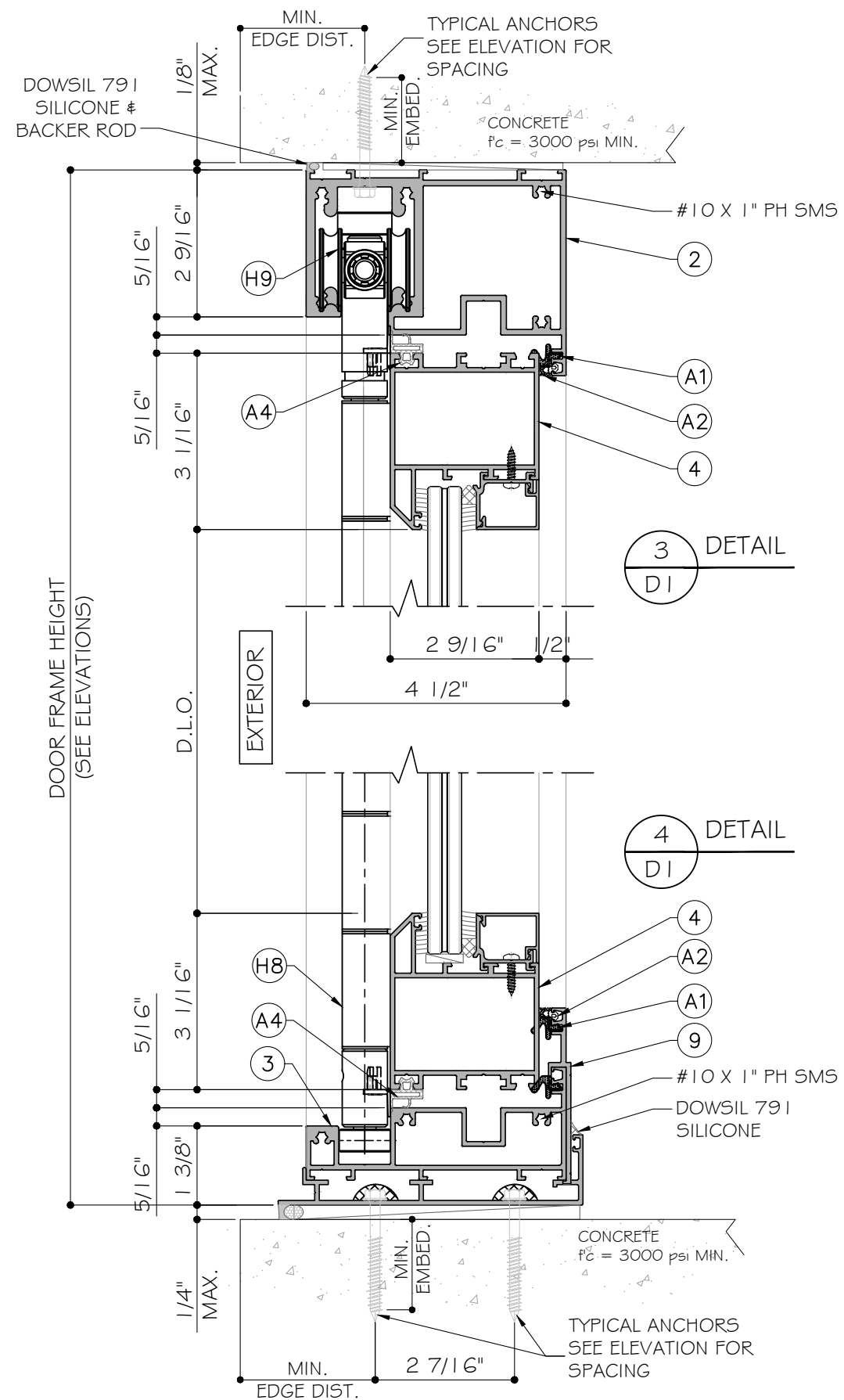
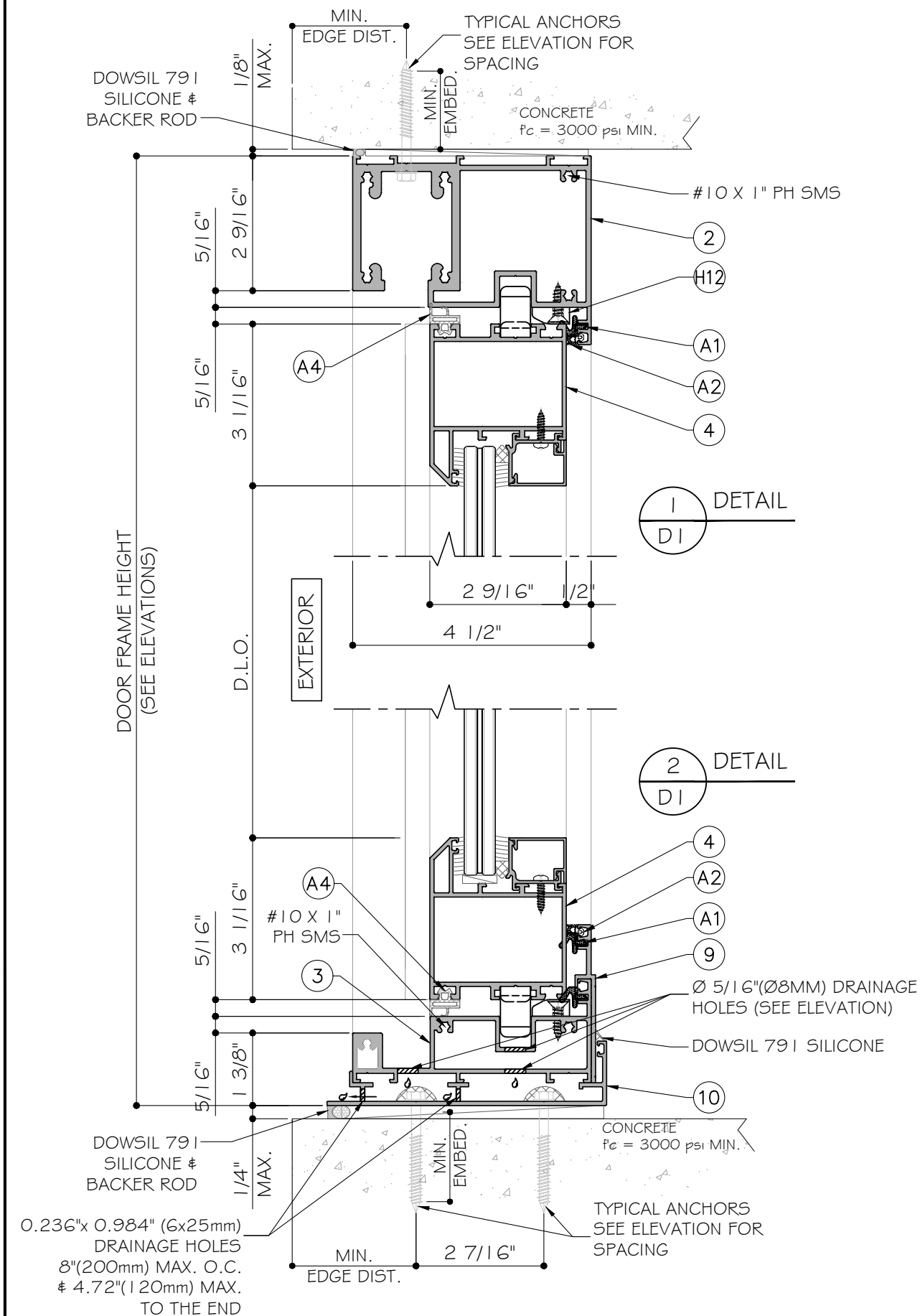
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COVER			
Sheet No. 1 OF 8			



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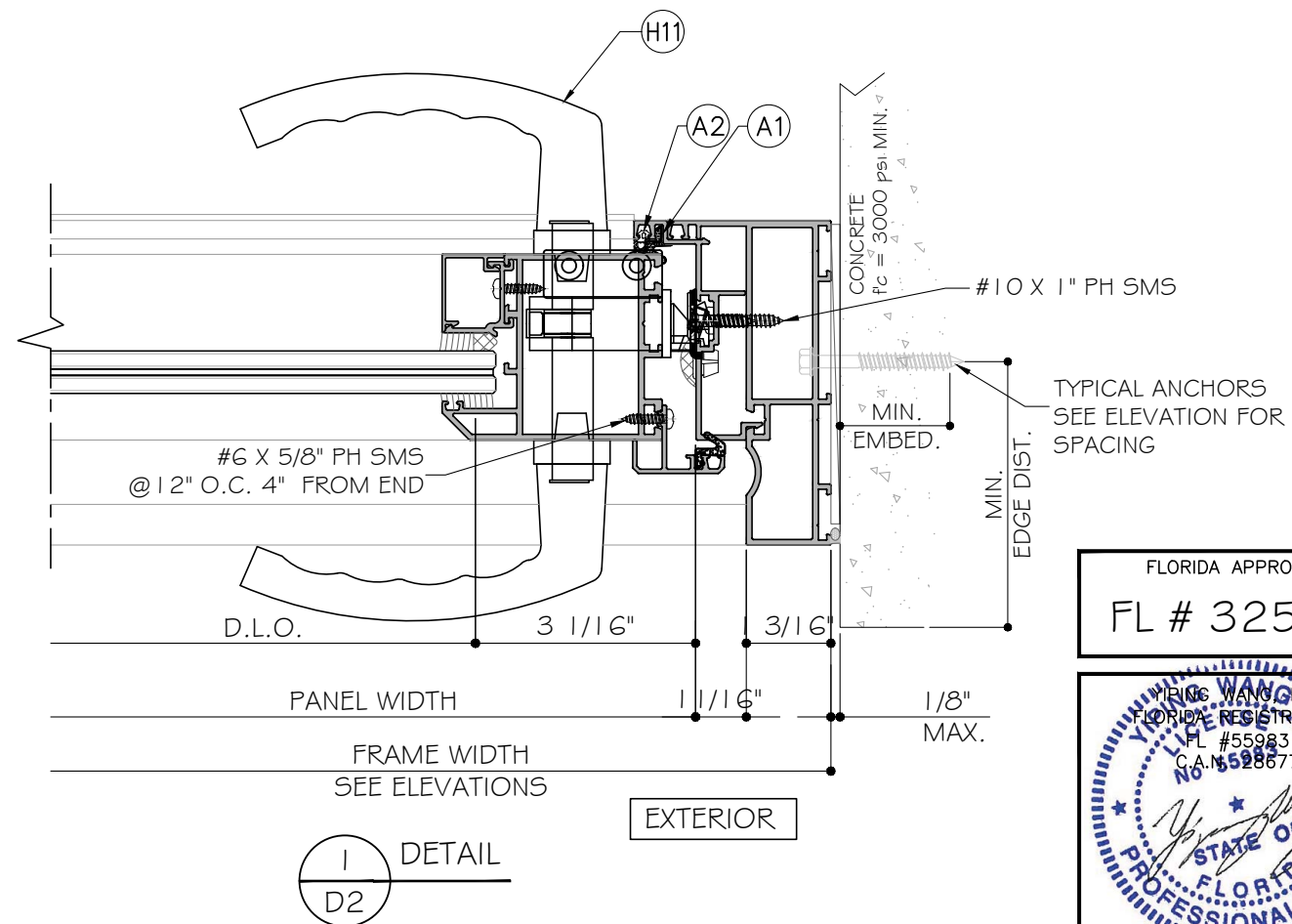
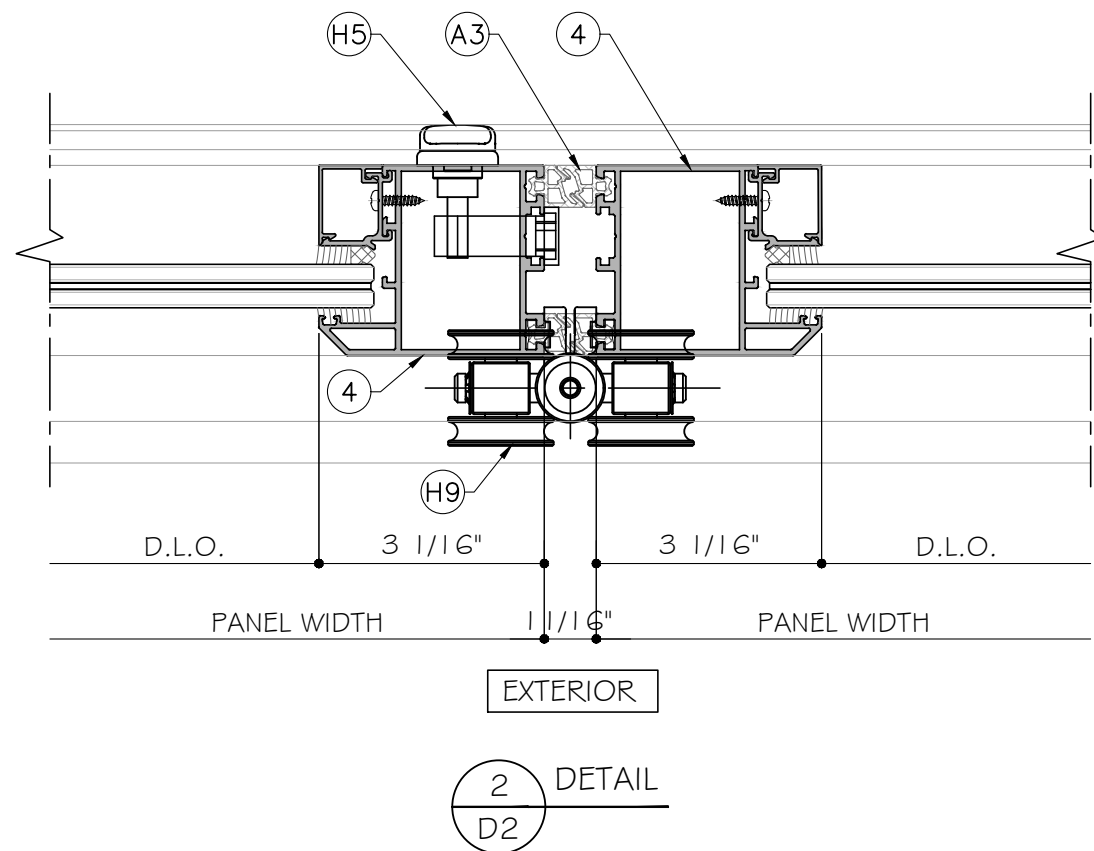
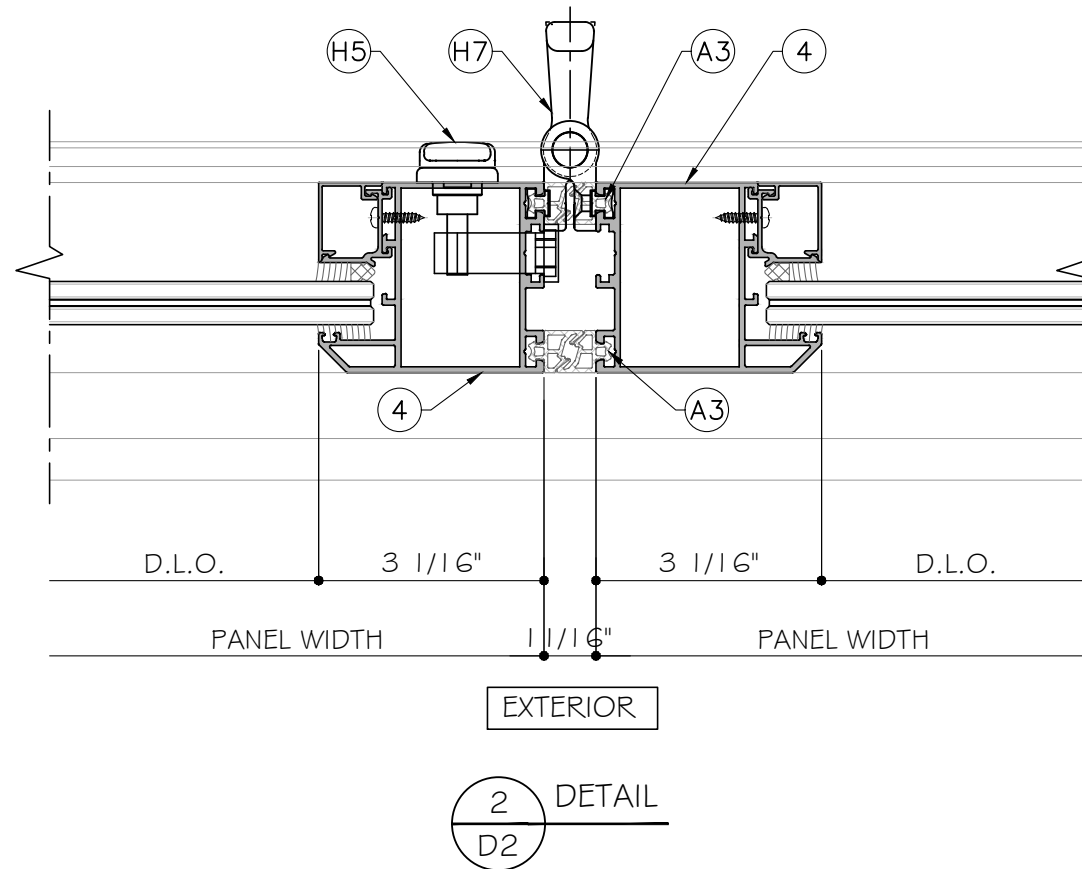
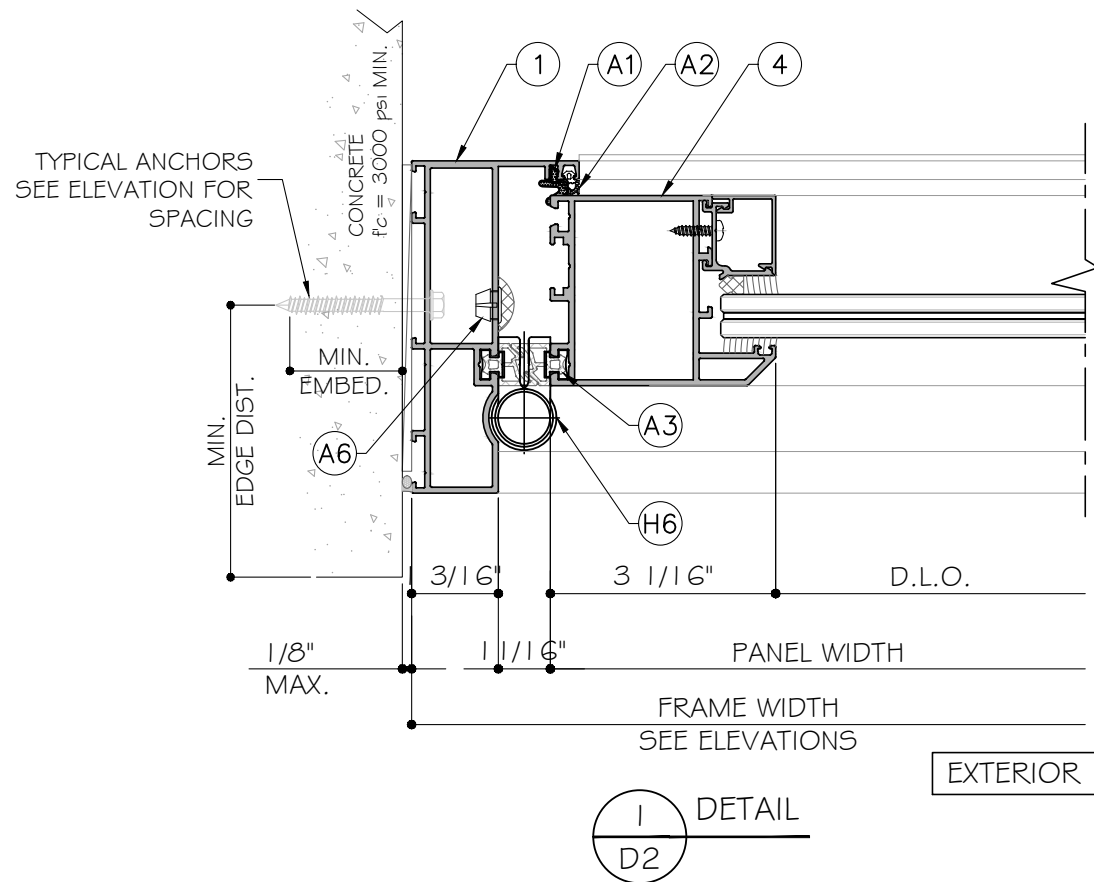
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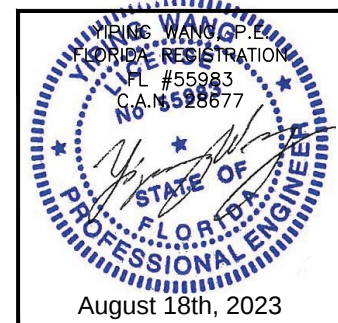
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AD20-25

D1

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3 OF 8



FLORIDA APPROVAL:
FL # 32506



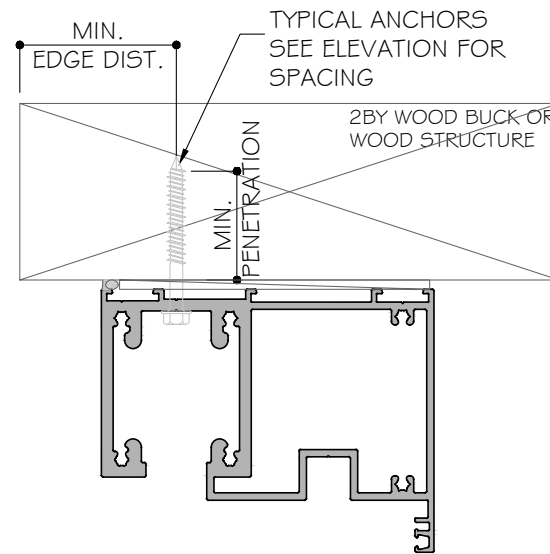
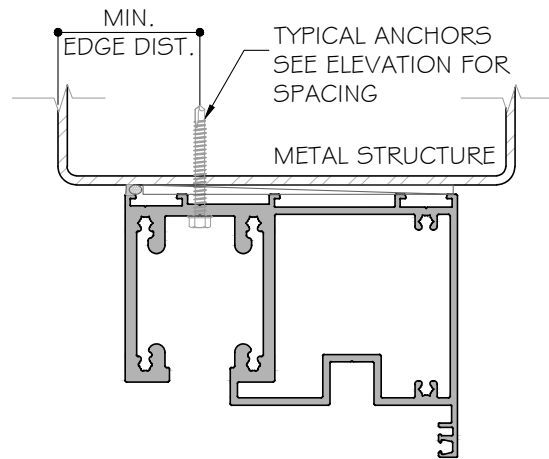
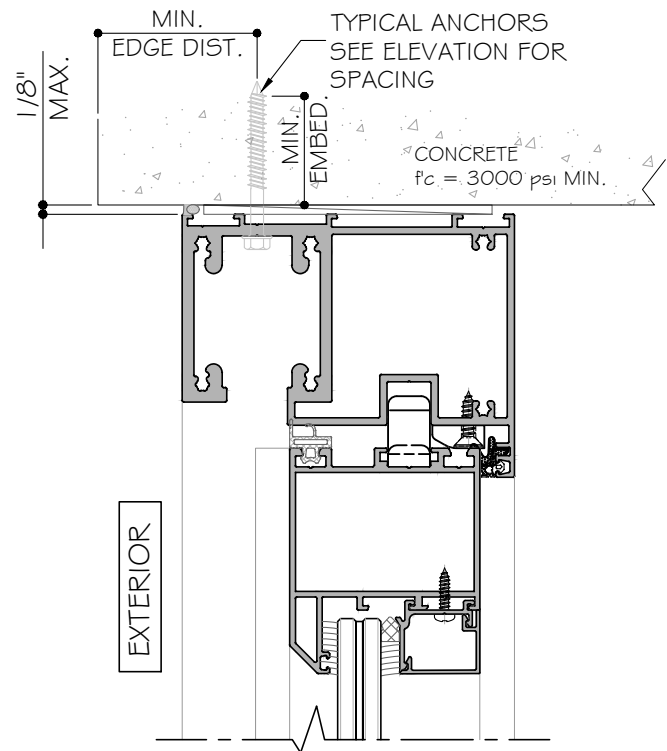
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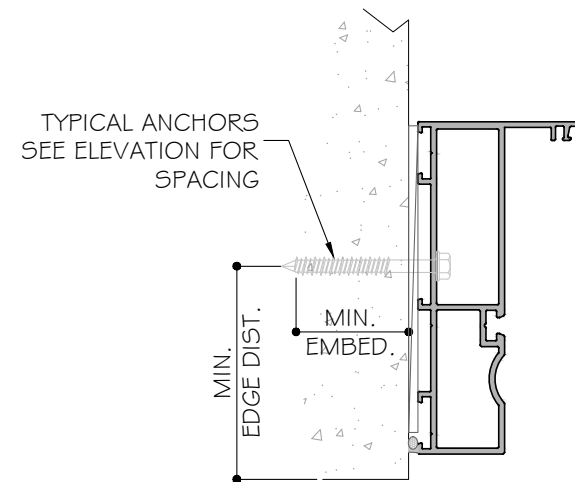
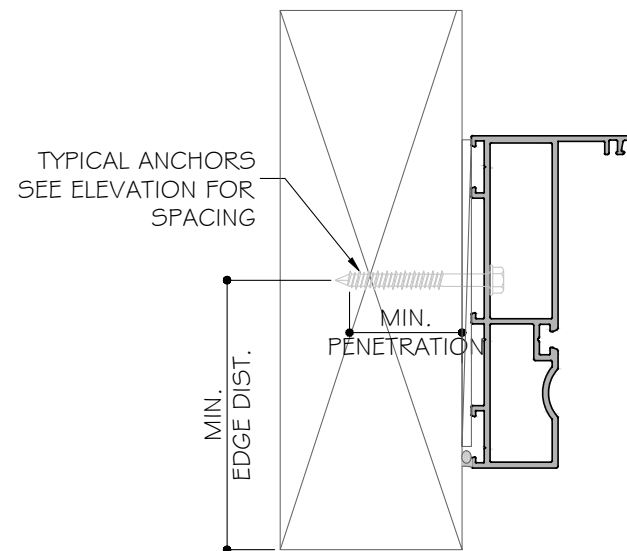
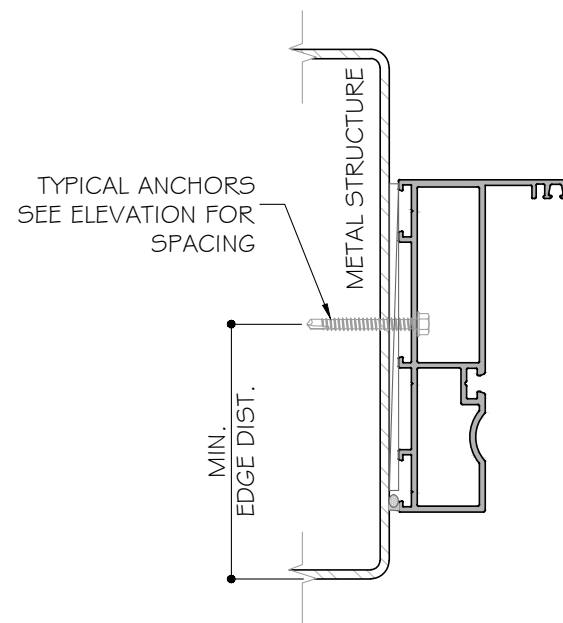
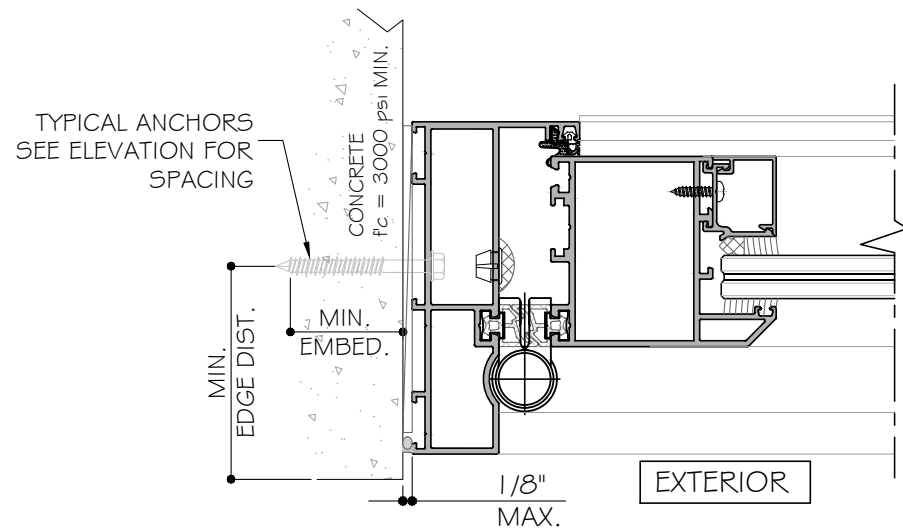
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DRAWING NO. AD20-25

Sheet No. 4 OF 8



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



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE A: 1/4" ULTRAACON+ BY 'DEWALT' (FU=164 KSI, FY=148 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-1/2" MIN. PENETRATION .

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

DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBEDMENT

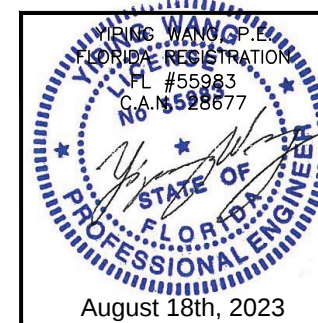
TYPE B: 1/4" "DEWALT" DRIL-FLEX SCREWS (GRADE 5 CRS) (FU=120KSI, FY=92KSI)
INTO MIAMI-DADE COUNTY APPROVED MULLION OR INTO METAL STRUCTURES
(3)THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN).
STELL: 16 GAUGE MIN. (FY = 33 KSI MIN.)

MIN. EDGE DIST:

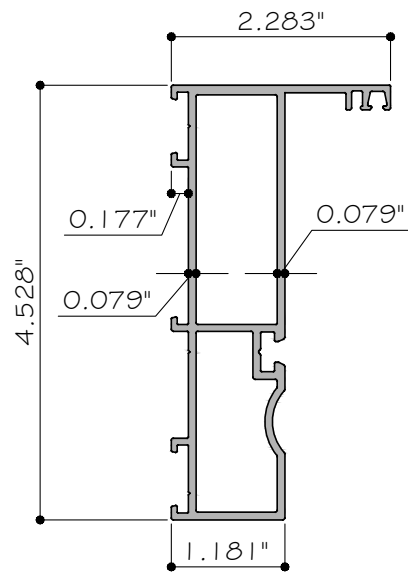
INTO CONCRETE OR BLOCKS: 2-1/2" MIN.
INTO WOOD STRUCTURE: 3/4" MIN.
INTO METAL STRUCTURE: 3/4" MIN

WOOD AT HEAD, SILL OR JAMBS: SG = 0.55 MIN.
CONCRETE AT HEAD/SILL OR JAMBS: f_c = 3000 PSI MIN.
FILLED BLOCK AT JAMBS: f_c = 2000 PSI MIN.

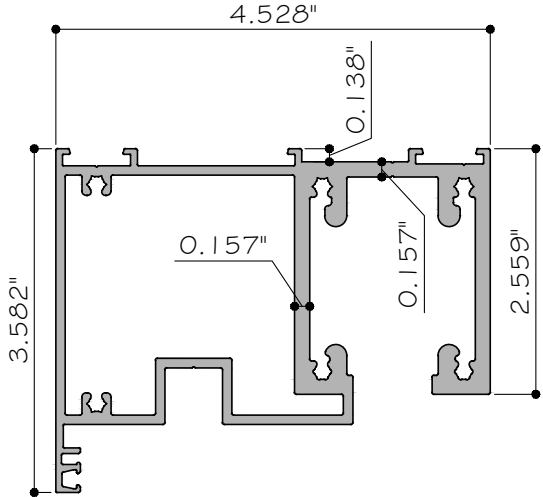
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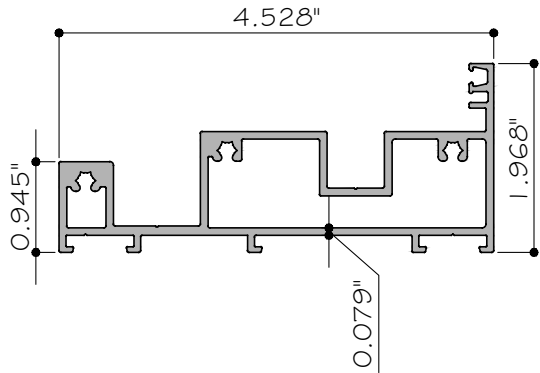
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A1			
Sheet No. 5 OF 8			



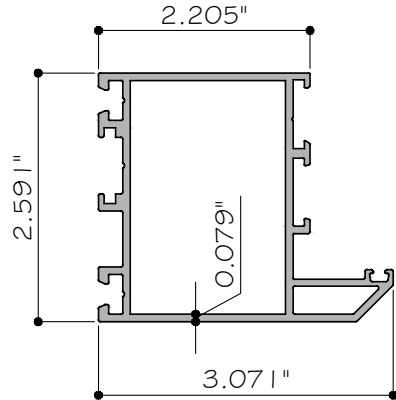
1 JAMB
SP11503 6063-T5



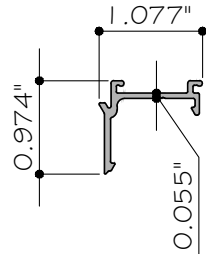
2 TOP TRACK
SP11501 6063-T5



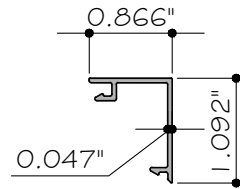
3 BOTTOM TRACK
SP11502 6063-T5



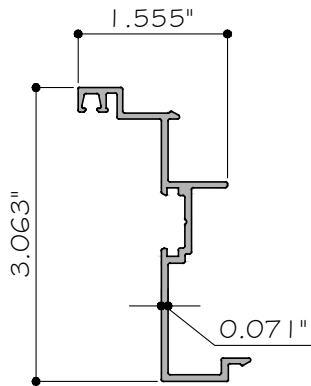
4 SASH
SP11504 6063-T5



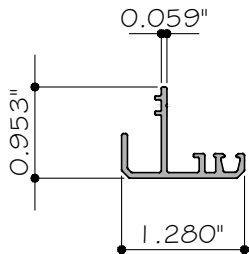
5 GLASS STOP
SP11509 6063-T5



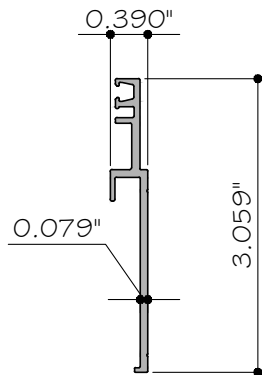
6 STOP SNAP COVER
SP11510 6063-T5



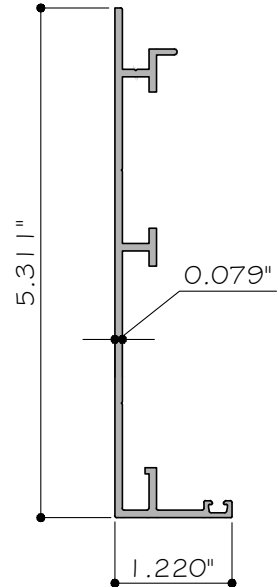
7 LOCK JAMB
SP11507 6063-T5



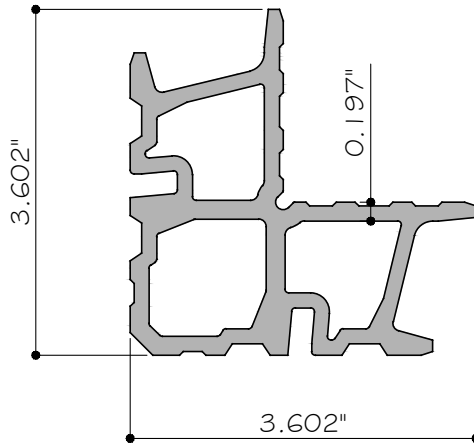
8 MEETING STILE ADAPTOR
SP11506 6063-T5



9 DOOR STOP
SP11511 6063-T5

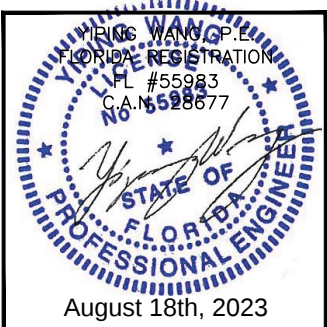


10 SUB SILL
SP11508 6063-T5



11 CLAPING CORNER
JM405 6063-T5

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Shanghai, China
TEL.86 021-5822 0630 CELL.86 135-8572-3609

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PARTS	
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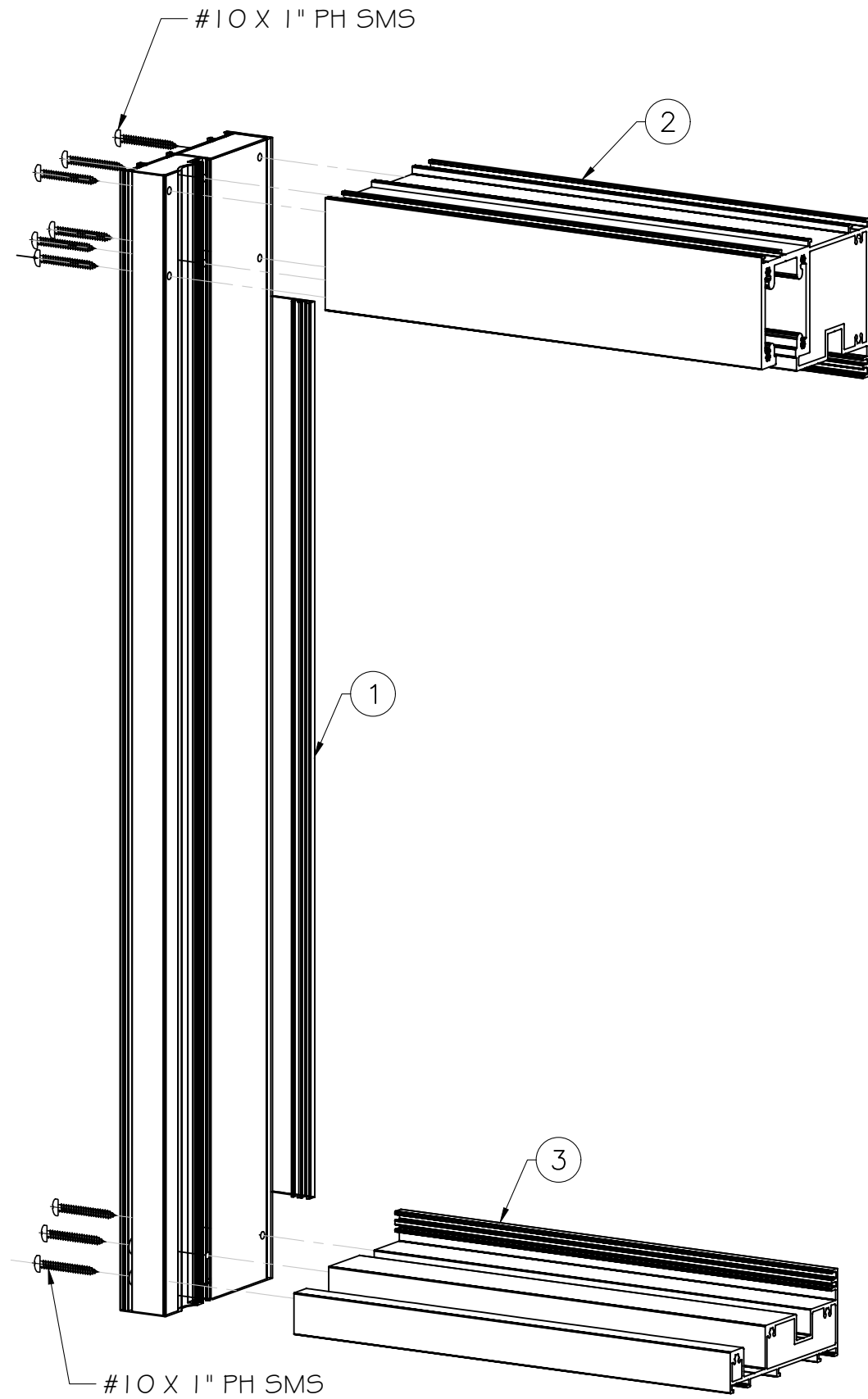
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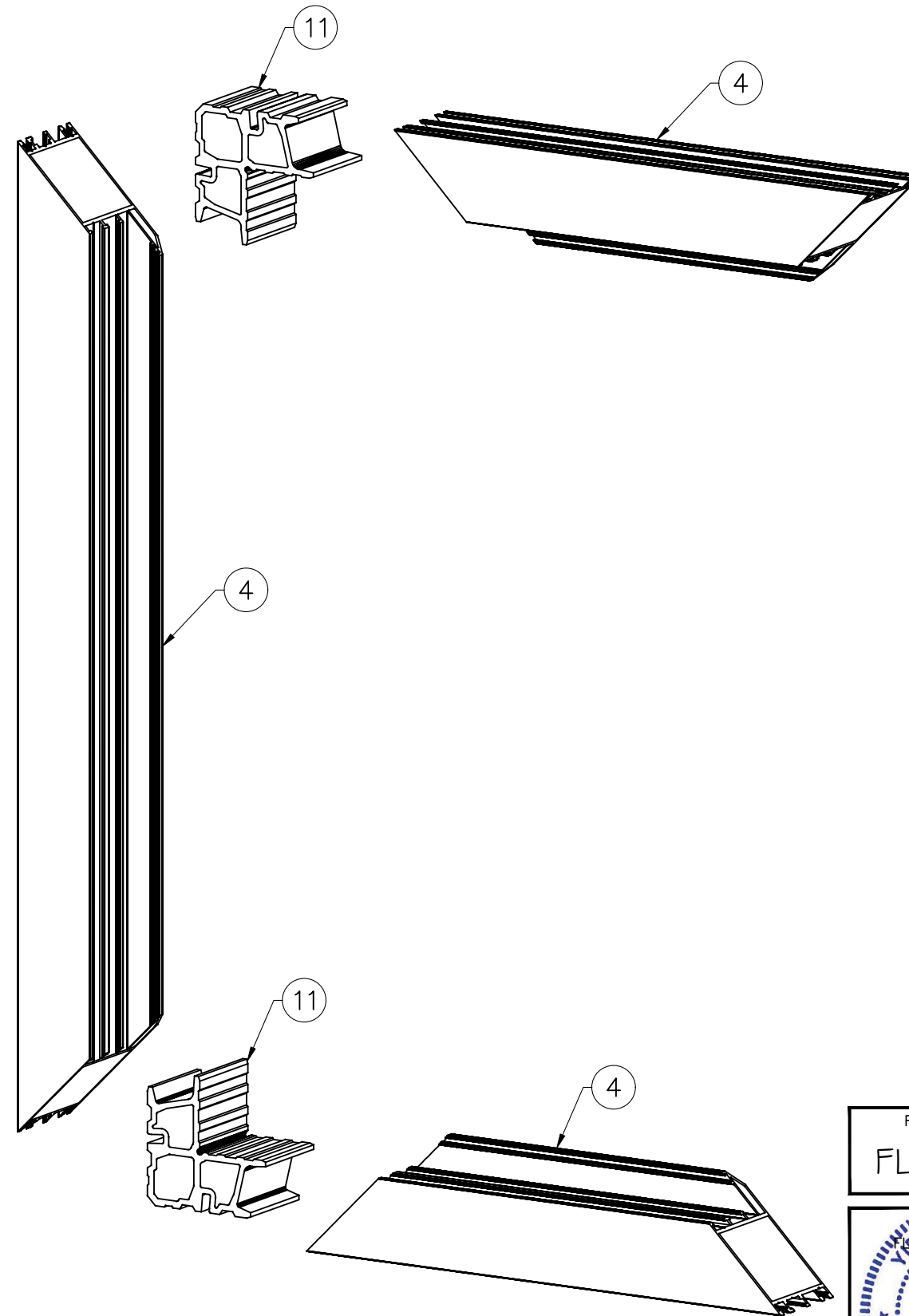
BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	SP11503	JAMB	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL
2	SP11501	TOP TRACK	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL
3	SP11502	BOTTOM TRACK	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL
4	SP11504	SASH	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL
5	SP11509	GLASS STOP	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL
6	SP11510	STOP SNAP COVER	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL
7	SP11507	LOCK JAMB	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL
8	SP11506	MEETING STILE ADAPTOR	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL
9	SP11511	DOOR STOP	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL
10	SP11508	SUB SILL	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL
11	JM405	CLAPING CORNER	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL
12	-	0.1575" (4mm)THICKNESS SETTING BLOCK AT 1/4" POINT(HARDNESS:48 HRR)	PA66	-
A1	K5525	FOAMING GASKET(HARDNESS:9±2A)	-	-
A2	SBWG-001	EPDM GASKET(HARDNESS:65±5 SHORE A)	EPDM	-
A3	SBW-35820	EPDM GASKET(HARDNESS:65±5 SHORE A)	EPDM	-
A4	SBW-35254	EPDM GASKET(HARDNESS:65±5 SHORE A)	EPDM	-
A5	SBW-26960	EPDM GASKET(HARDNESS:65±5 SHORE A)	EPDM	-
A6	-	(M10-12MM) COVER	-	-
H1	SBWHSS001	BOLT	-	-
H2	254509	LOCK DEVICE POINT	-	-
H3	*BQD25450	MIDDLE LOCK DEVICE POINT	-	-
H4	ROTO487493	LOCKCASE	-	-
H5	T28D	HANDLE	-	-
H6	FTL310-07	HINGE	-	-
H7	FTL310-08	HINGE	-	-
H8	FTL310-02	BOTTOM ROLLER GUIDE	-	-
H9	FTL310-01	TOP ROLLER	-	-
H10	640870	DOOR LOCK	-	-
H11	775970	DOOR HANDLE	-	-
H12	1630FJS-16	LIFT BLOCK	-	-

 MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 MIRAMAR, FL. 33027 P: 305-271-0117 www.MCYEngineering.com mcy@mcyengineering.com		ALUMINUM BI-FOLD DOOR- L.M.I.		SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA	
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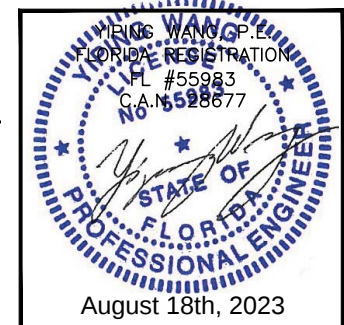


FRAME CORNER ASSEMBLY



PANEL CORNER ASSEMBLY

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