

CONTINENTAL GLASS SYSTEMS

SERIES 2800 LIFT AND SLIDE GLASS DOOR (SMI)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE 2023, INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, STEEL, AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING SMALL IMPACT RESISTANCE.
- DOOR FRAME MATERIAL: ALUMINUM 6063-T6
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN THE CURRENT FBC.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-16 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAIL.
- APPROVED STRUCTURAL SILICONE:
 - A) 795 DOW CORNING
 - B) 983 DOW CORNING

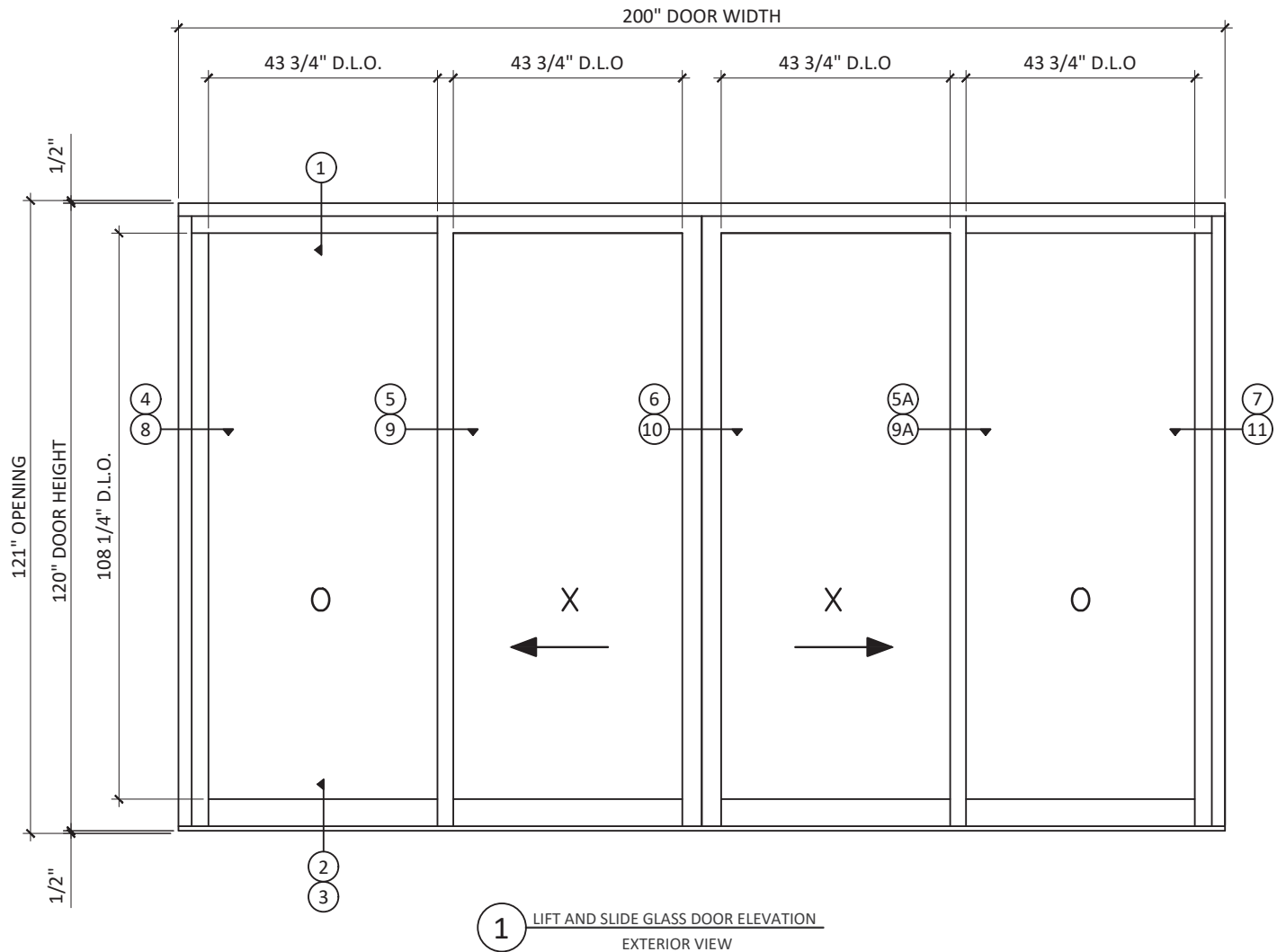
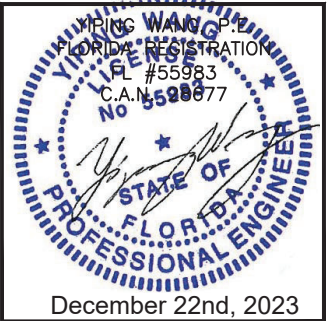


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DESIGN PRESSURE RATING				
PANEL SIZE	REINFORCEMENT	DESIGN PRESSURE	GLAZING OPTIONS	MISSILE IMPACT RATING
50 5/16" x 120"	ALUMINUM	+120/-150.0 PSF	G1 OR G2	SMALL MISSILE IMPACT * FOR INSTALLATIONS 30FT ABOVE GRADE OR ABOVE ONLY
	NONE	+/-120.0 PSF		
50" x 132"	ALUMINUM	+/-150.0 PSF	G1	



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R3	12.09.2023
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2800 SERIES S.M.I. 2 TRACKS

CONTINENTAL GLASS SYSTEMS LLC

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TEL.: (305) 231.1101

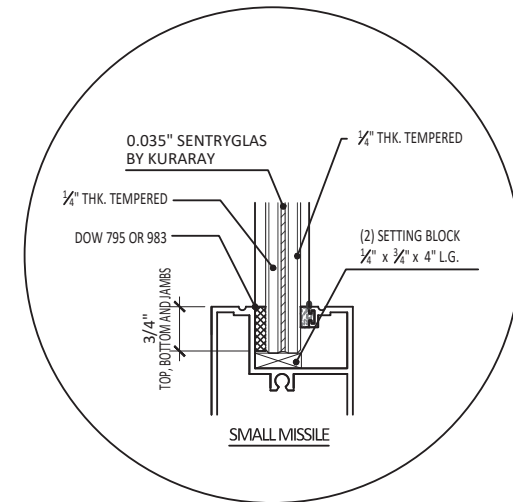
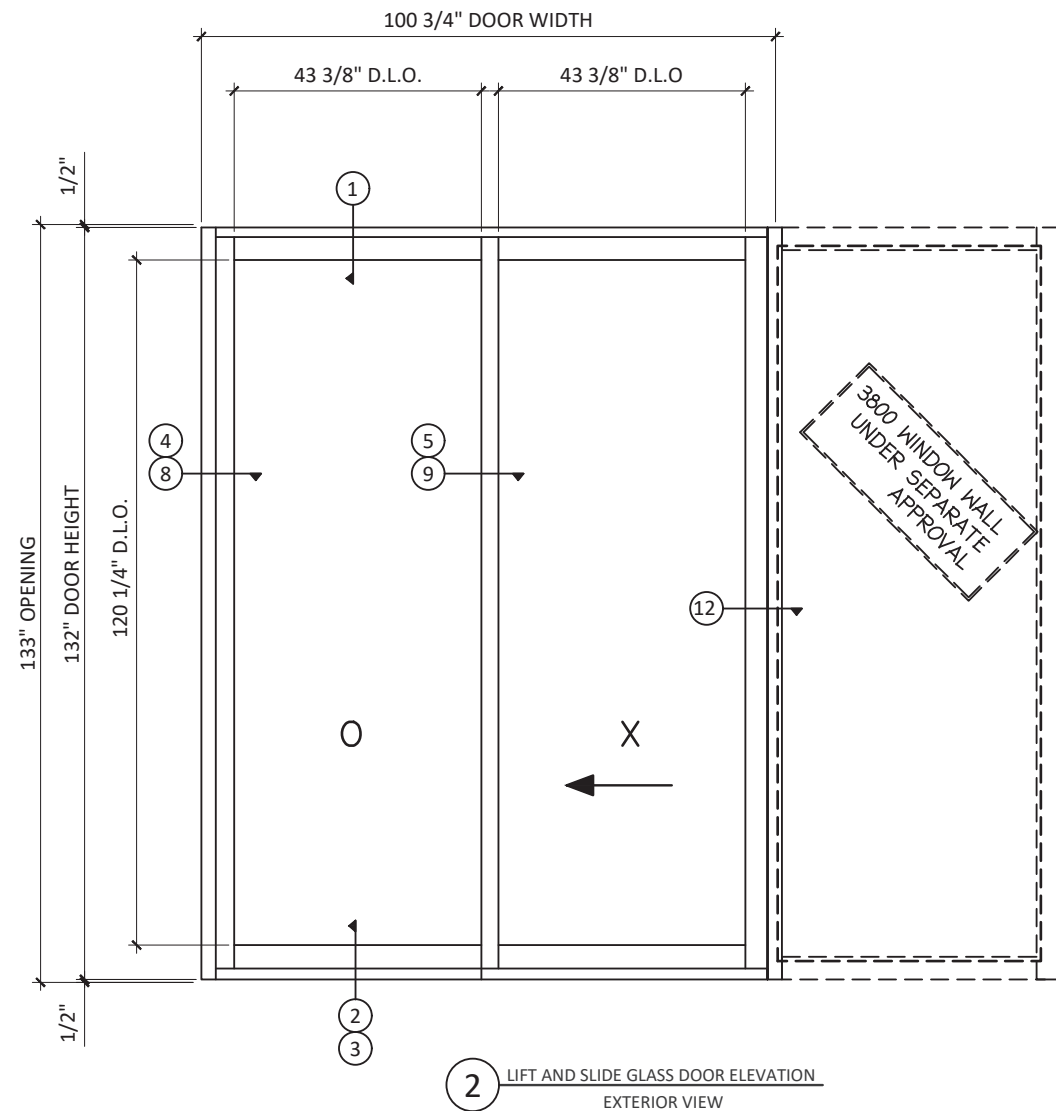
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SCALE	AS NOTED
DRAWN	James
PROJECT	

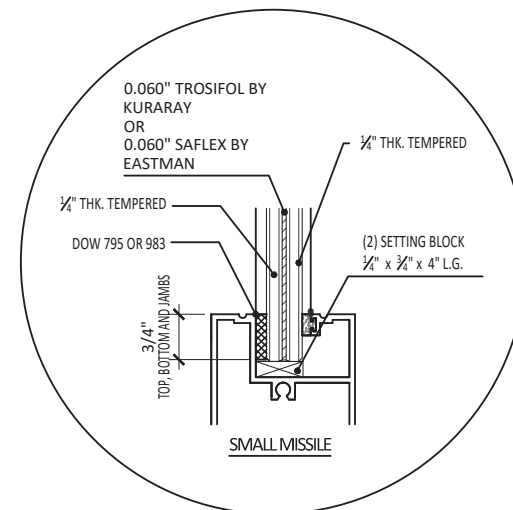
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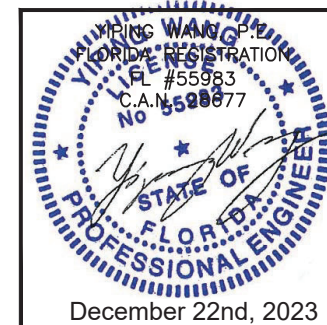
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GLAZING DETAIL - G1



GLAZING DETAIL - G2



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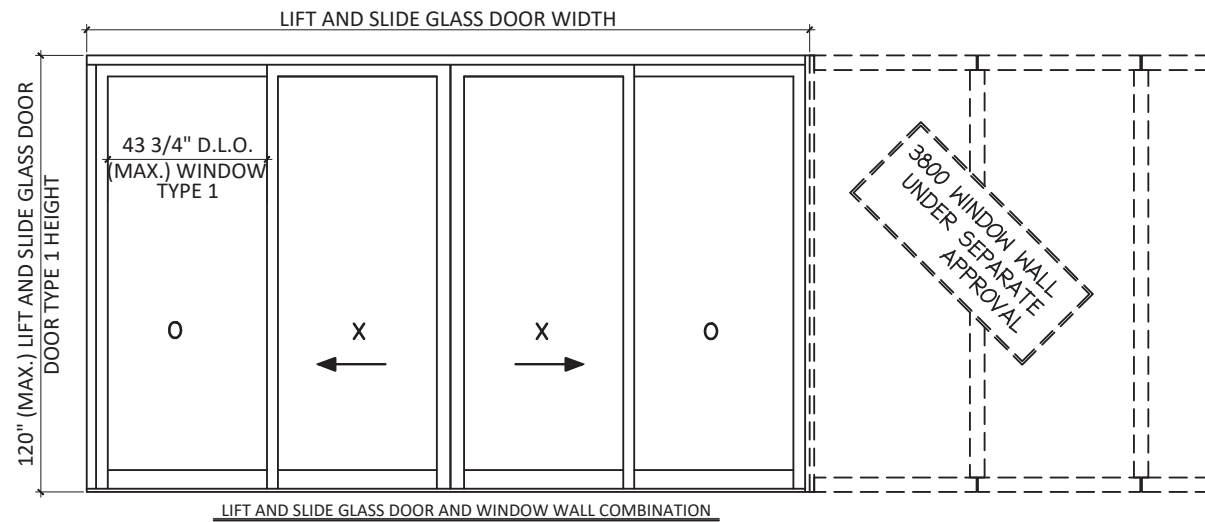
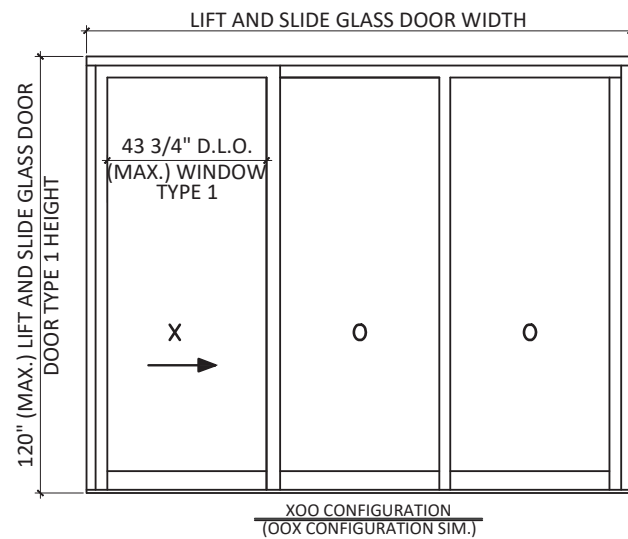
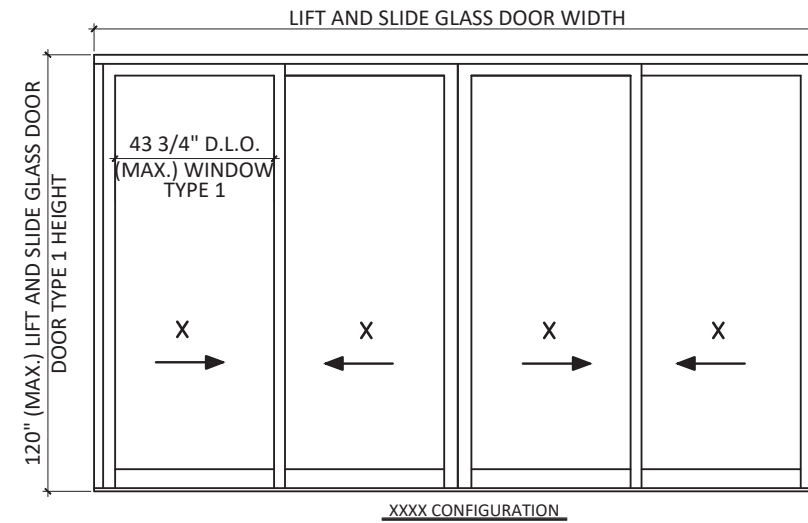
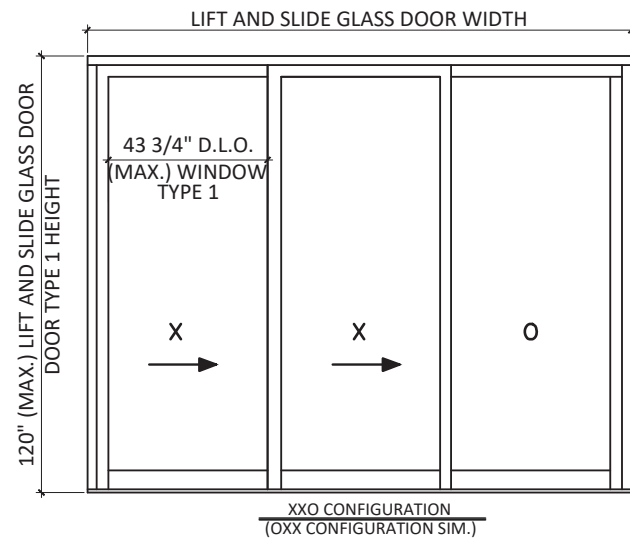
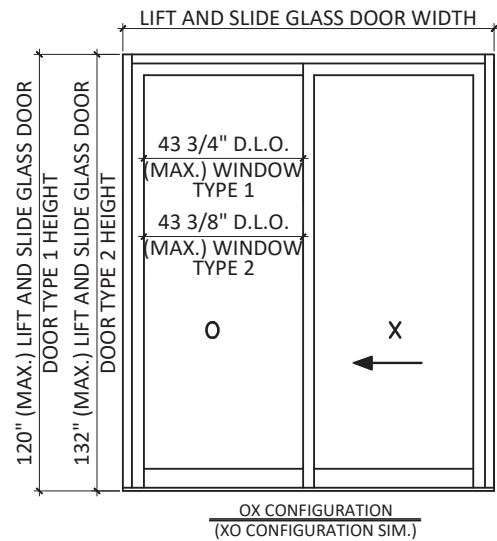
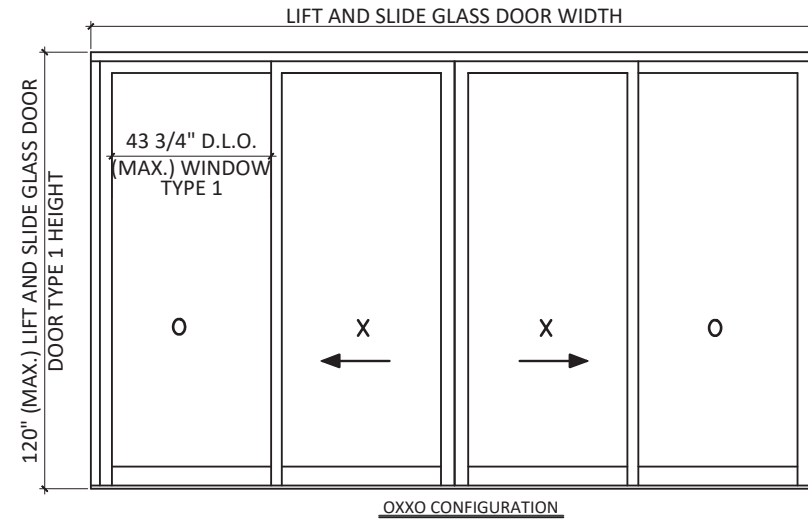
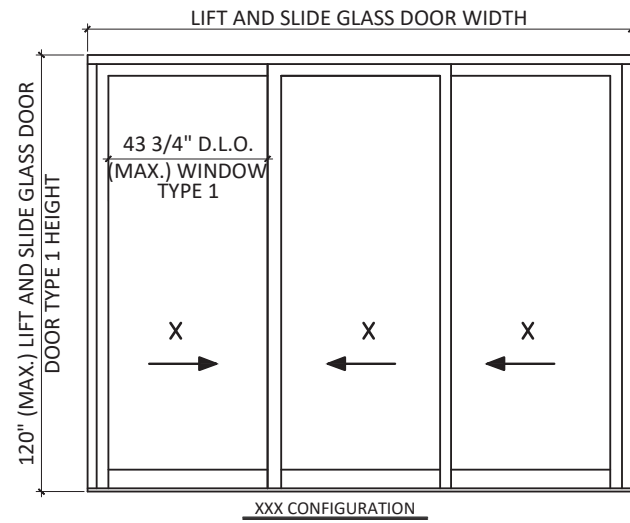
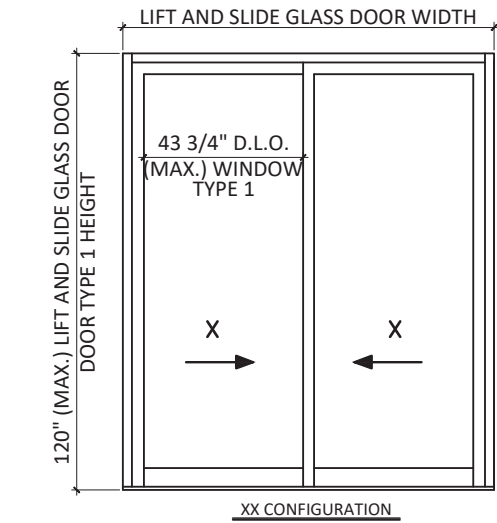
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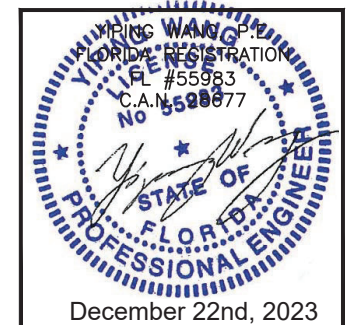
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ALLOWABLE CONFIGURATIONS



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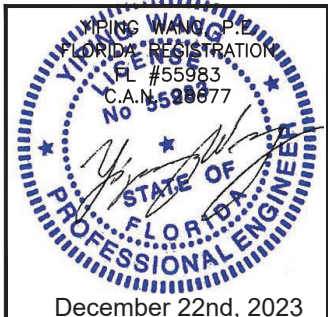
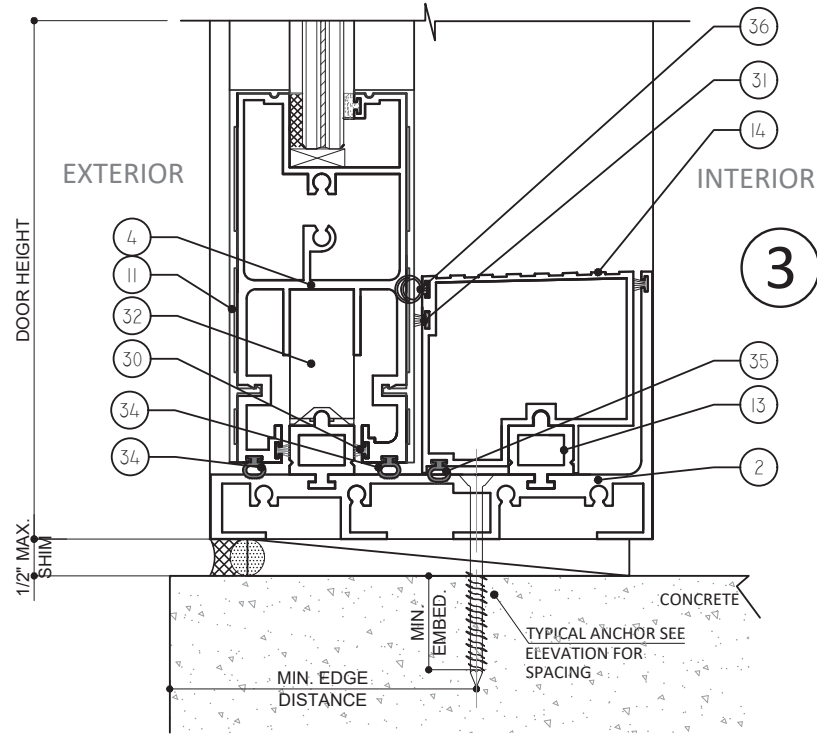
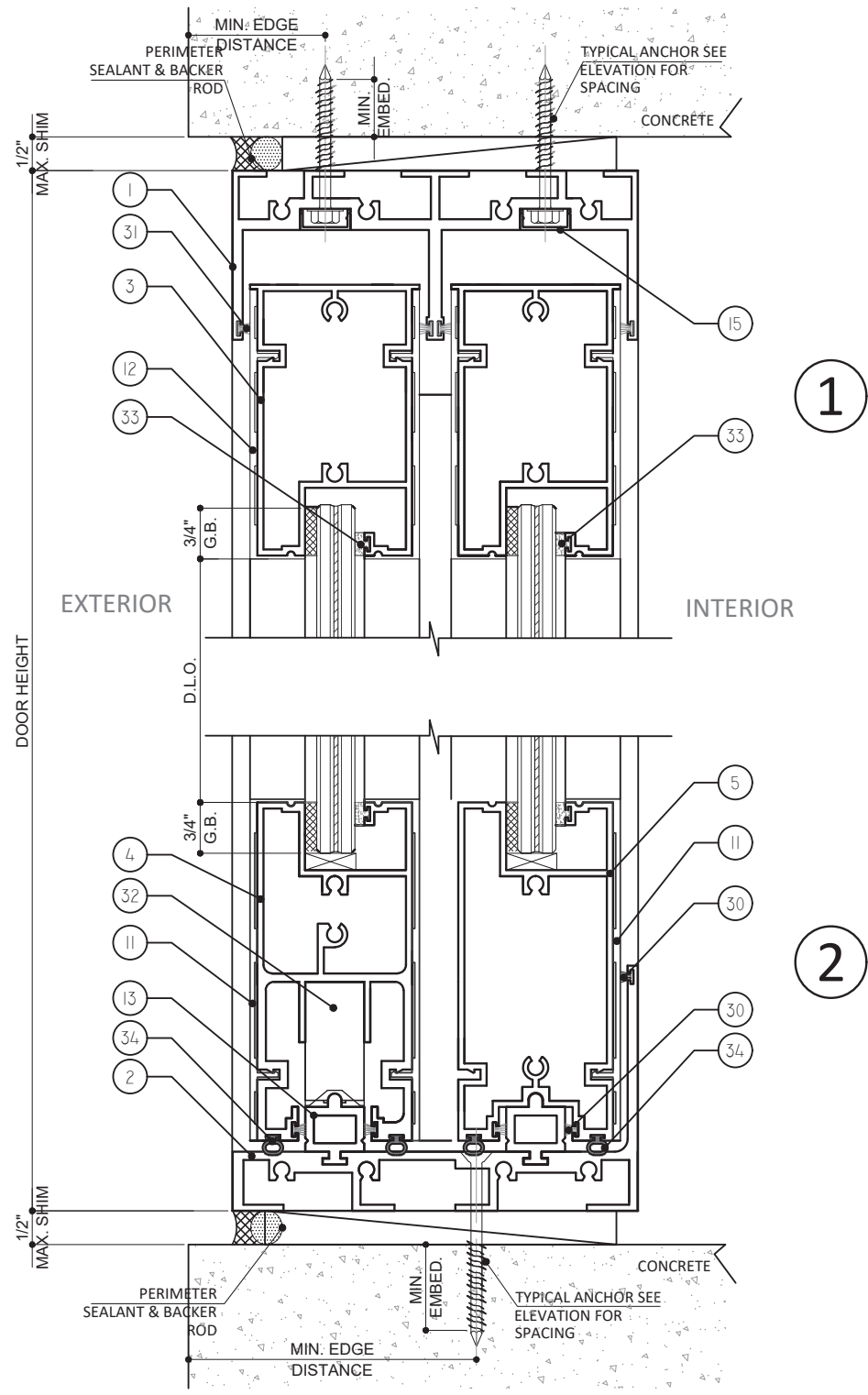
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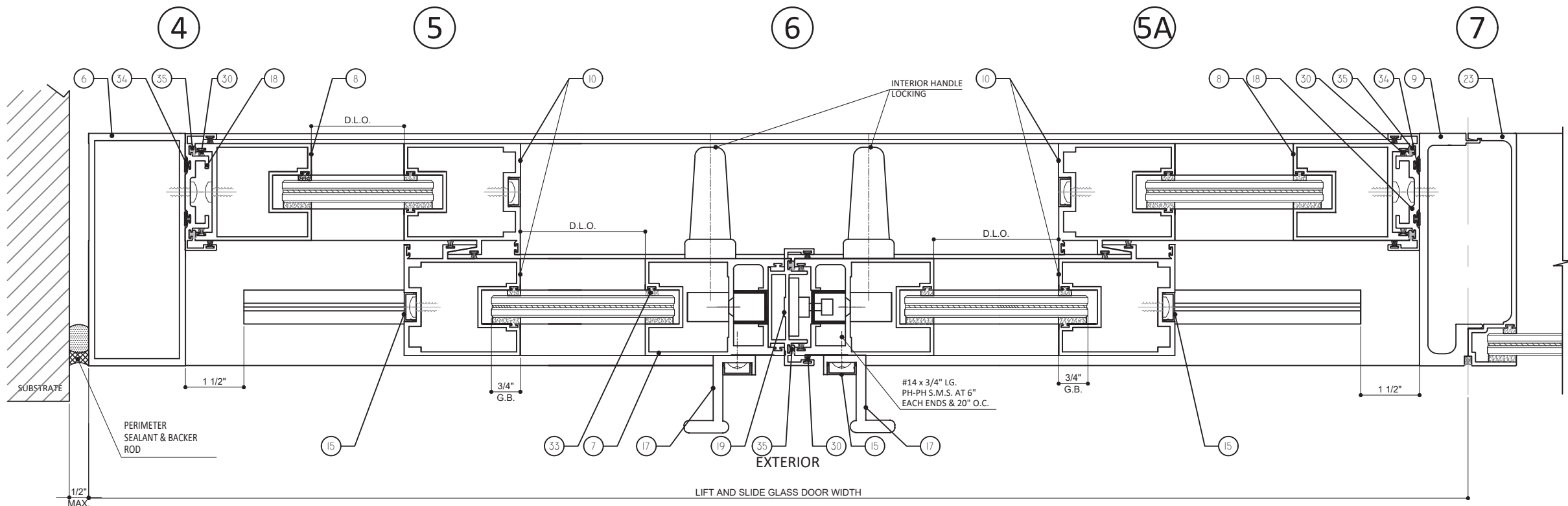
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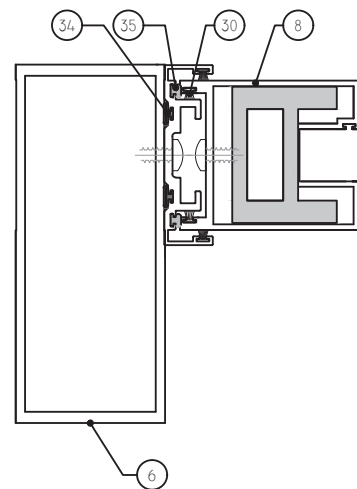
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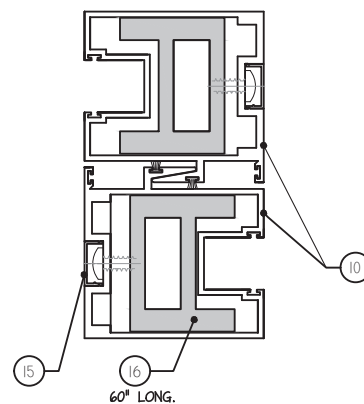
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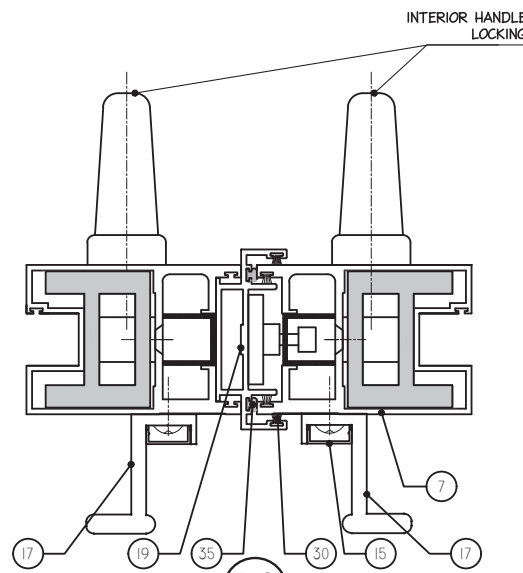
NOTES:
 1- BACKER ROD DIAMETER
 EQUALS SEAL WIDTH x 120%
 2- SEALANT DEPTH IS:
 1/2" FOR WIDTHS UP TO 1" AND
 5/8" FOR WIDTHS OVER 1".



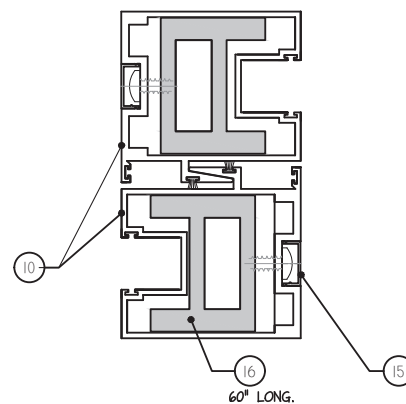
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 REINFORCED JAMB
 UP TO 150 PSF



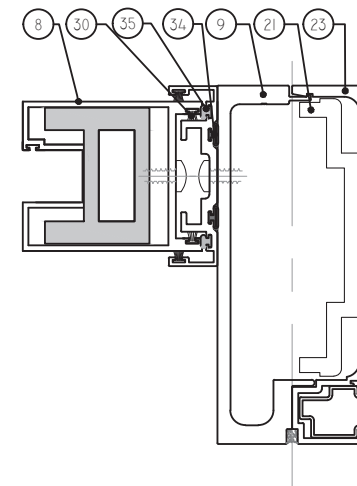
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 REINFORCED INTERLOCK
 UP TO 150 PSF



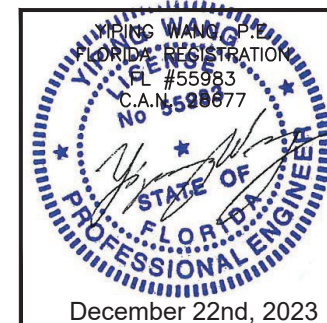
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 REINFORCED MEETING STILE
 UP TO 150 PSF



9A
 REINFORCED INTERLOCK
 UP TO 150 PSF



11
 REINFORCED FIXED JAMB
 UP TO 150 PSF



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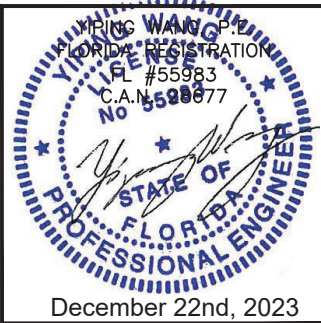
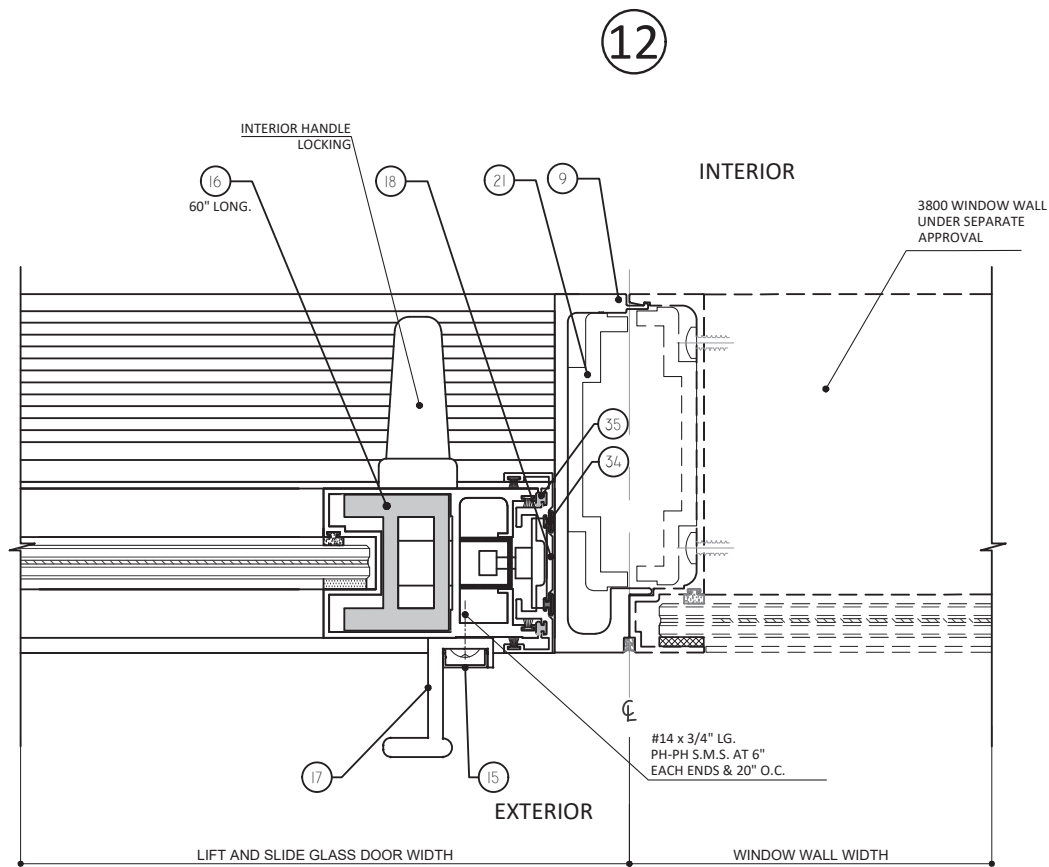
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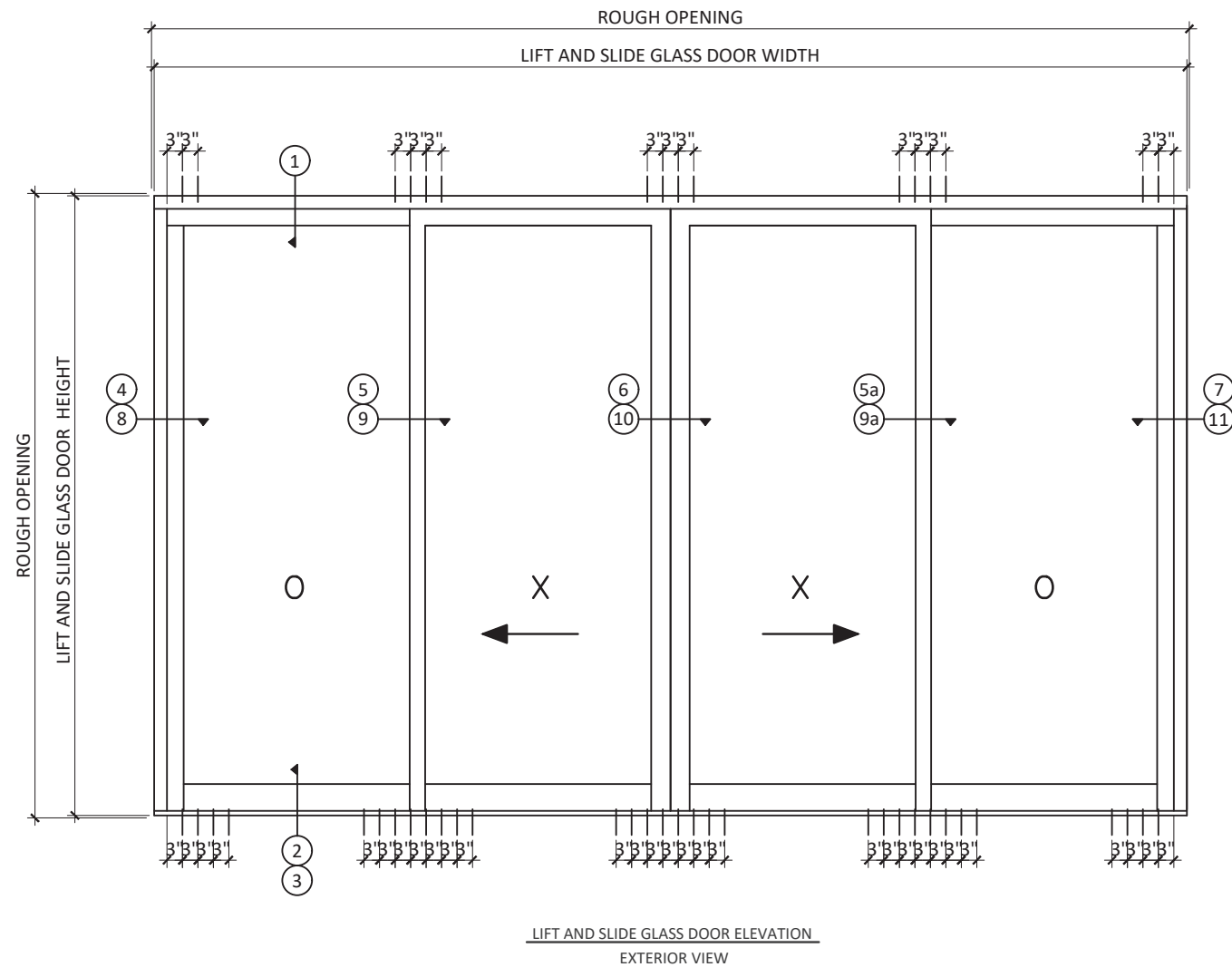
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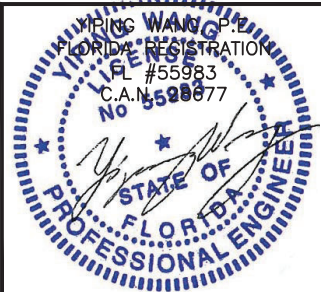
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INSTALLATION NOTES:

1. TWO (2) INSTALLATION ANCHORS ON HEAD AND ONE (1) INSTALLATION ANCHOR ON SILL FOR EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR INSTALLATION DIRECTLY INTO CONCRETE/MASONRY, USE 5/16 INCH DIAMETER ELCO ULTRACON OR DEWALT ULTRACON WITH SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
6. FOR INSTALLATION DIRECTLY INTO WOOD FRAME, USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT.
7. FOR INSTALLATION DIRECTLY INTO STEEL FRAME, USE 1/4" DIAMETER PT 5 GRADE 5 TEKS SELECT SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
11. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
12. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - C. GROUT-FILLED CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
 - E. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 16 GA. (0.0598") MAX. 1/2" WALL THICKNESS.
 - F. ALUMINUM - 6063-T6 MINIMUM YIELD STRENGTH OF 25 KSI. MINIMUM .25" WALL THICKNESS.



December 22nd, 2023

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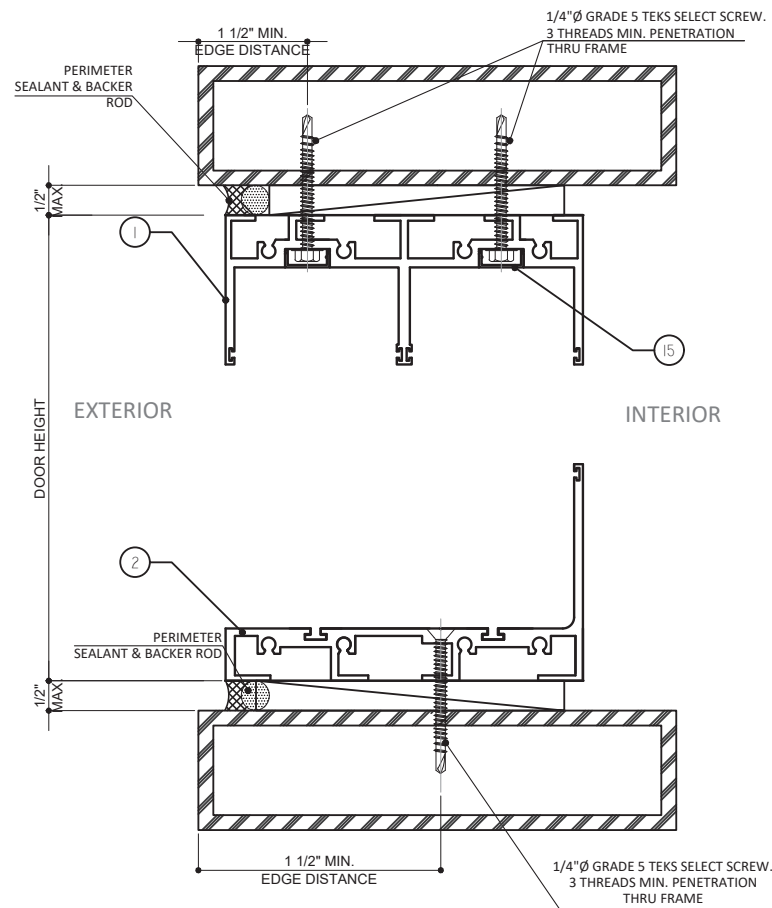
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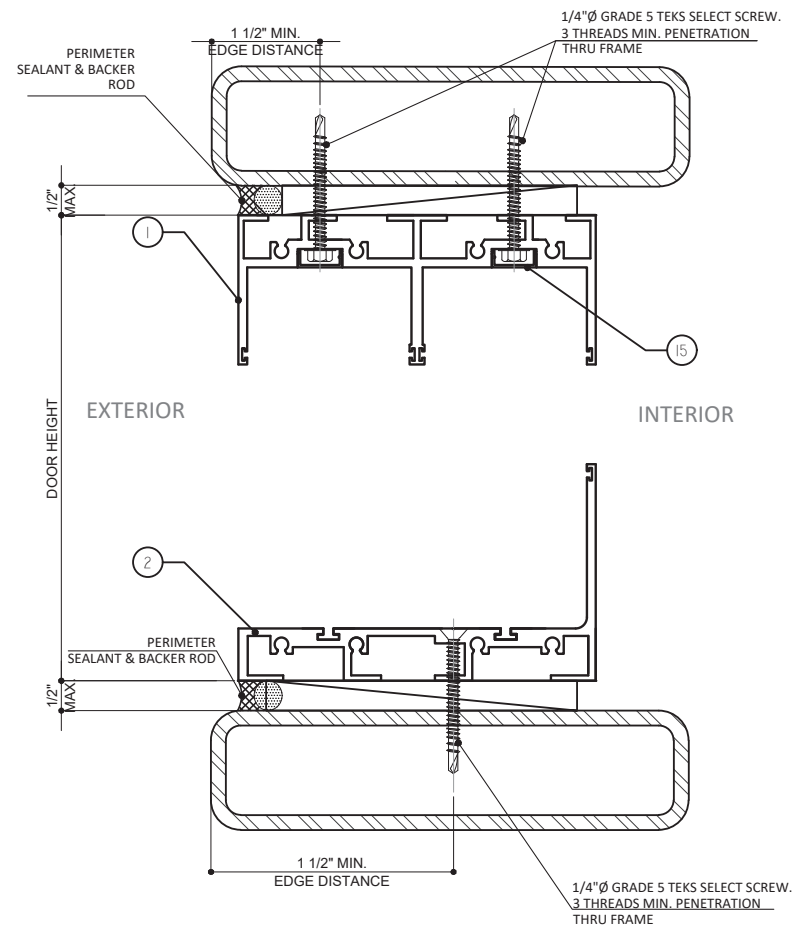
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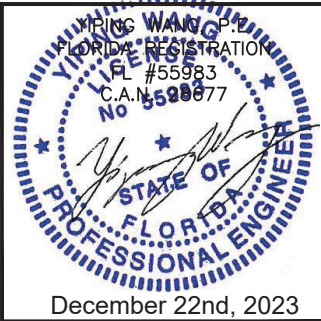
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ALUMINUM TUBE
HEAD & SILL



STEEL TUBE
HEAD & SILL



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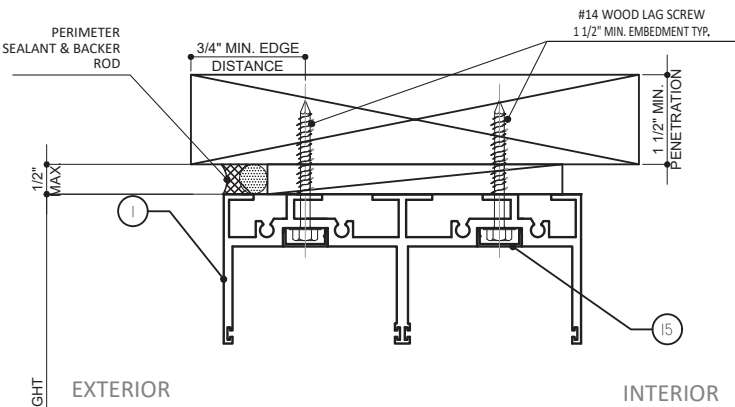
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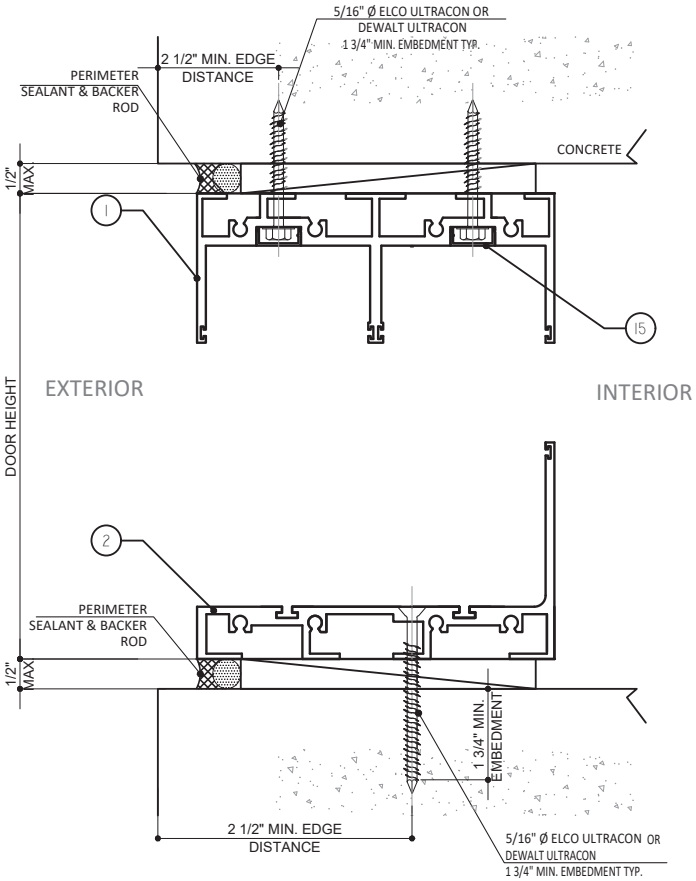
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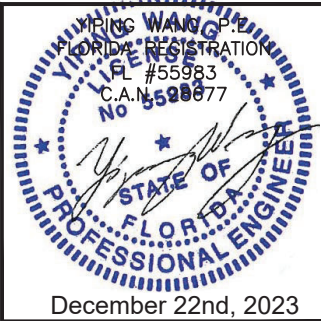
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PT WOOD BUCK
HEAD & SILL



MASONRY
HEAD & SILL



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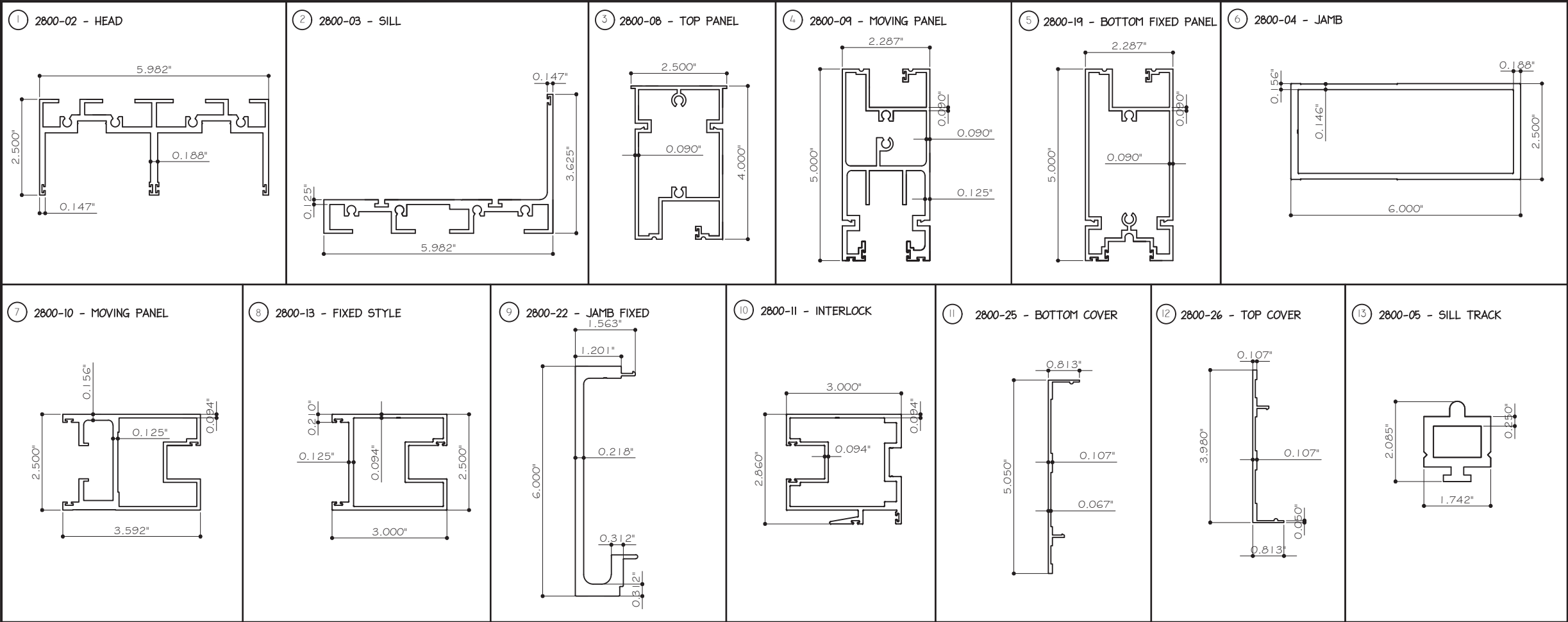
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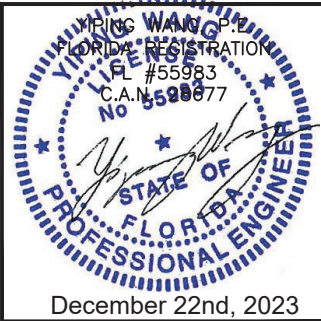
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BILL OF MATERIALS				
ITEM #	PART NUMBER	PART NAME	ALLOY & TEMPERED	REMARKS
1	2800-02	HEAD	6063-T6	
2	2800-03	SILL	6063-T6	
3	2800-08	TOP PANEL	6063-T6	
4	2800-09	MOVING PANEL	6063-T6	
5	2800-19	BOTTOM FIXED PANEL	6063-T6	
6	2800-04	JAMB	6063-T6	
7	2800-10	ASTRAGAL	6063-T6	
8	2800-13	FIXED STILE	6063-T6	
9	2800-22	JAMB FIXED	6063-T6	
10	2800-11	INTERLOCK	6063-T6	
11	2800-25	BOTTOM COVER	6063-T6	
12	2800-26	TOP COVER	6063-T6	
13	2800-05	SILL TRACK	6063-T6	



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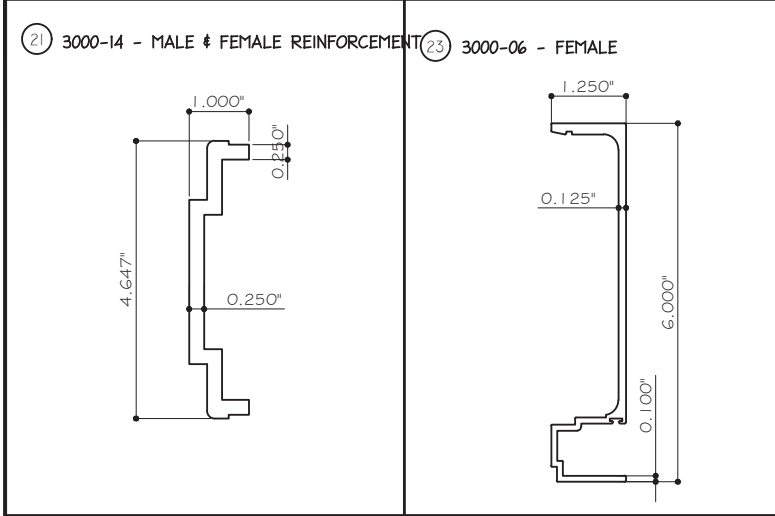
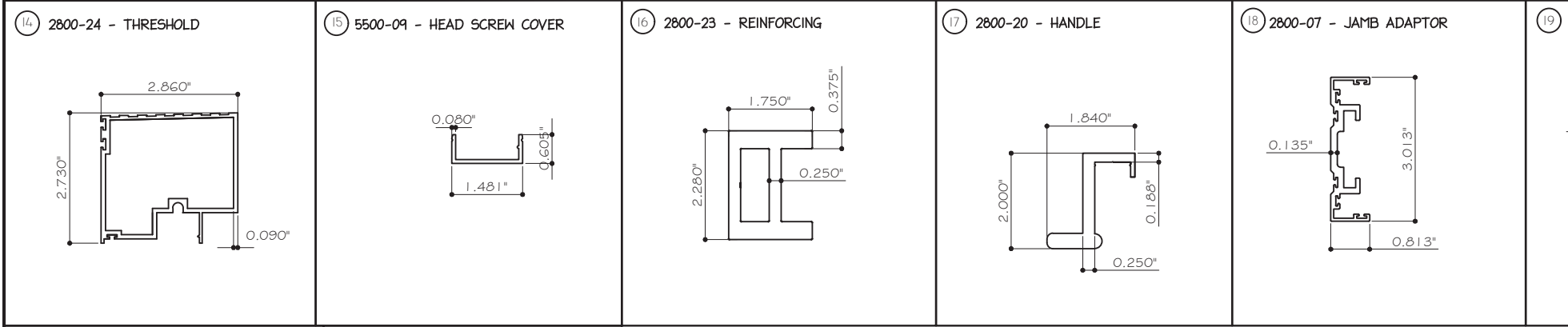
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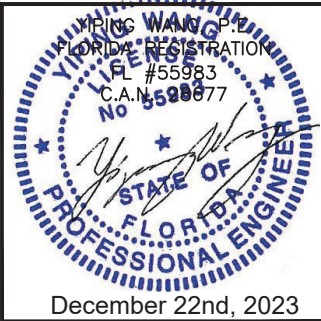
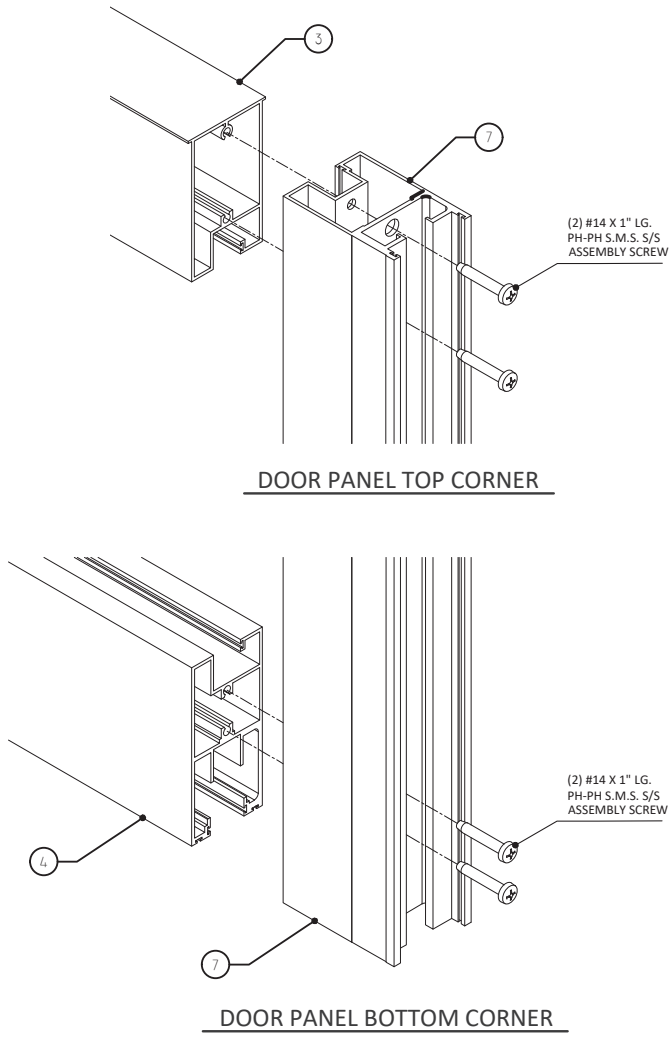
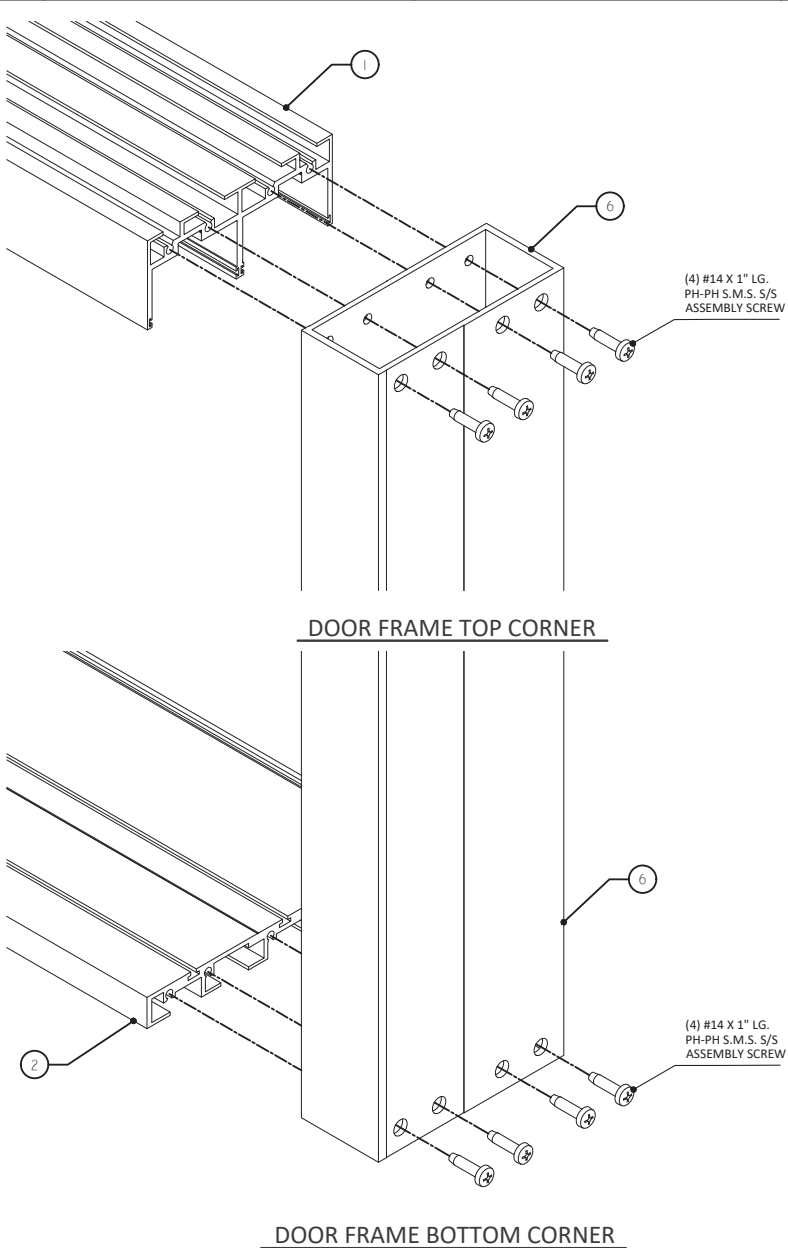
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BILL OF MATERIALS				
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14	2800-24	THRESHOLD	6063-T6	
15	2800-41	HEAD SCREW COVER	6063-T6	
16	2800-23	REINFORCING L=60"	6063-T6	
17	2800-20	HANDLE	6063-T6	
18	2800-07	JAMB ADAPTOR	6063-T6	
19	2950-06	ASTRAGAL ADAPTOR	6063-T6	
21	3000-14	MALE AND FEMALE REINFORCEMENT	6063-T6	
23	3000-06	FEMALE	6063-T6	
30		FIN. SEAL .187 x .250	ULTRAFAB	
31		FIN. SEAL .187 x .370	ULTRAFAB	
32		WHEEL		
33	C G S - 02	GLASS SPACER	CENTRAL PLASTIC	
34	E 2 0 2	BULB GASKET		
35	E 2 0 6	BULB GASKET		
36	E 5 1 1	BULB GASKET		



REVISIONS	
NO.	DESCRIPTION
R3	12.09.2023 FBC 2023

MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

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2800 SERIES S.M.I. 2 TRACKS

CONTINENTAL GLASS SYSTEMS LLC

325 WEST 74 PLACE HIALEAH, FL33014

TEL.: (305) 231.1101

FL#19733.2

DATE	12.09.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	

PART & BOM

DRAWING NO.
AD22-27

11 OF 11