

CONTINENTAL GLASS SYSTEMS, INC.
SERIES 7700 PROJECTED-OUT WINDOW SYSTEMS
LARGE MISSILE IMPACT (L.M.I.)
IMPACT LEVEL "D"

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 6TH EDITION / 7TH EDITION OF FLORIDA BUILDING CODE (2017 / 2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- PROJECTED-OUT WINDOW RATED FOR LARGE MISSILE IMPACT, SYSTEM TESTED FOR IMPACT LEVEL "D".
- THESE WINDOWS 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 6TH EDITION / 7TH EDITION OF FLORIDA BUILDING CODE (2017 / 2020) SECTION AS APPLICABLE.
- METAL STRUCTURAL AND/ OR WOOD STRUCTURAL BY OTHERS 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 7-10 / ASCE 7-16, 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.

-SEALANT

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICON SEALANT.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-10 / ASCE 7-16 STANDARD.
- STEP 2: SEE SHEET E1 & E2 FOR APPROVED PROJECTED OUT WINDOW SIZE AND DESIGN LOAD.
- STEP 3: SEE SHEETS D1 & D2 & D3 & D4 FOR APPROVED ANCHOR TYPE USED TO COVER APPROVED CONDITION.
- STEP 4: JOB CONDITION TO NOT EXCEED APPROVED LOAD AS ABOVE.

TYPICAL ANCHORS SEE ELEV. FOR SPACING

TYPE 'A'- 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
THRU 1BY WOOD BUCKS INTO CONCRETE OR MASONRY

OR DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED INTO CONCRETE

OR DIRECTLY INTO MASONRY (JAMB ONLY)
1-1/4" MIN. EMBED INTO HOLLOW BLOCK
1-3/4" MIN. EMBED INTO GROUT FILLED BLOCK

TYPE 'B'- #14 SMS OR TEKS-SELF DRILLING SCREWS (GRADE 2 CRS)
INTO FLORIDA APPROVED MULLIONS (1/8" THK. MIN.)
INTO METAL STRUCTURES
STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM
TO BE PLATED OR PAINTED)

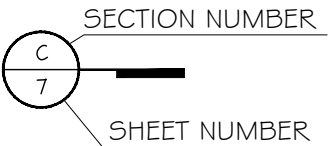
TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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

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

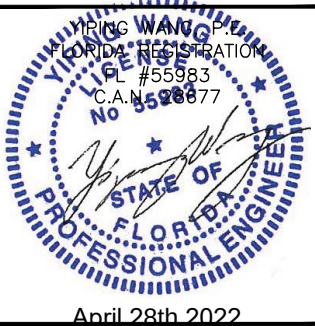


LIMITATIONS OF USE

- A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
- E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

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FL #32157.1

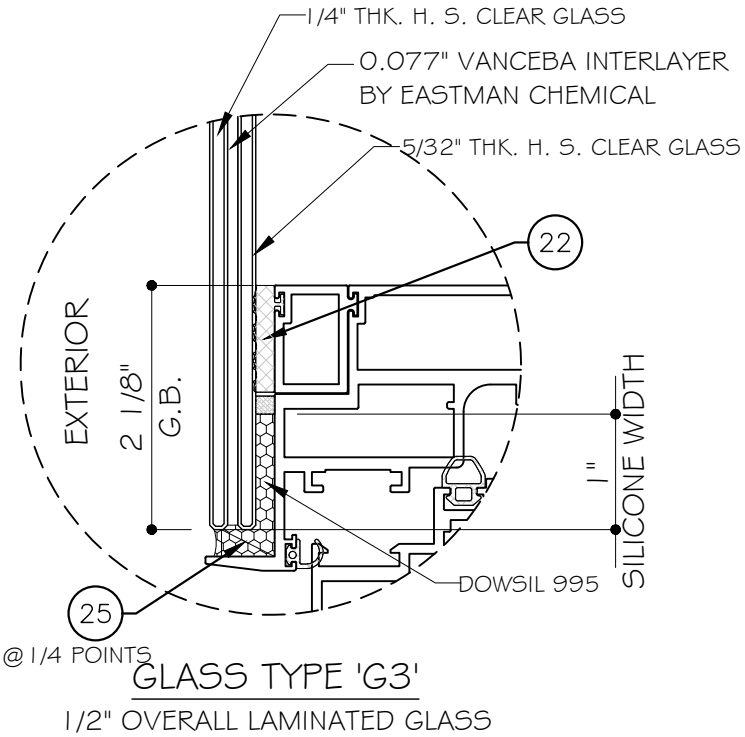
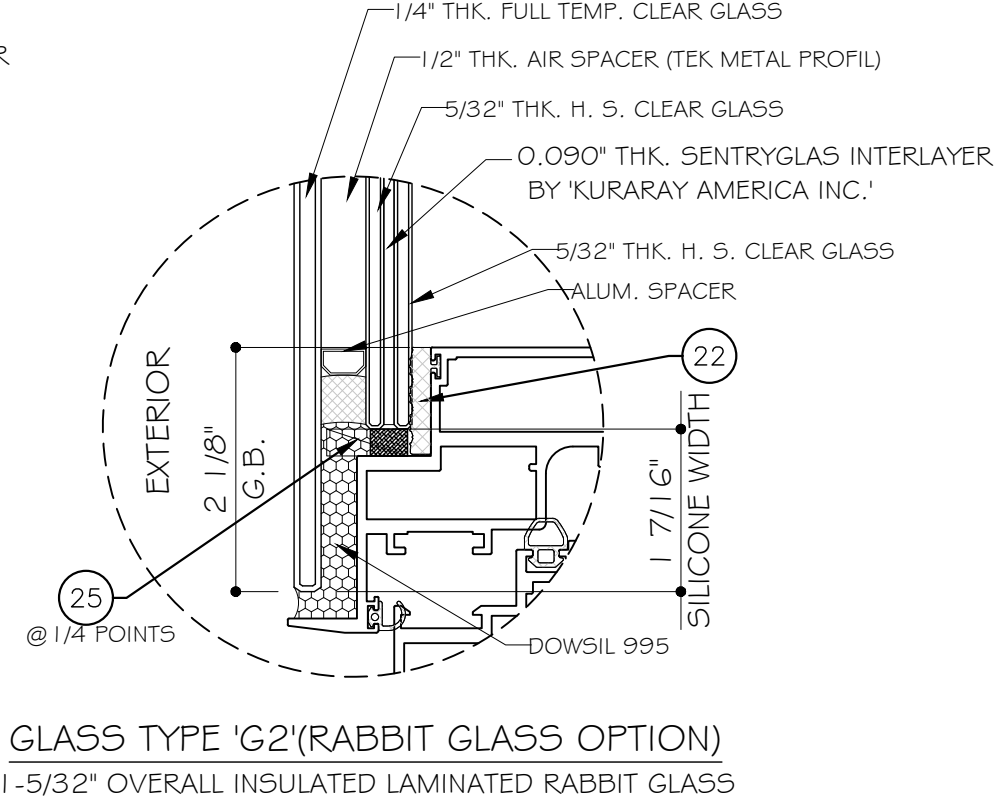
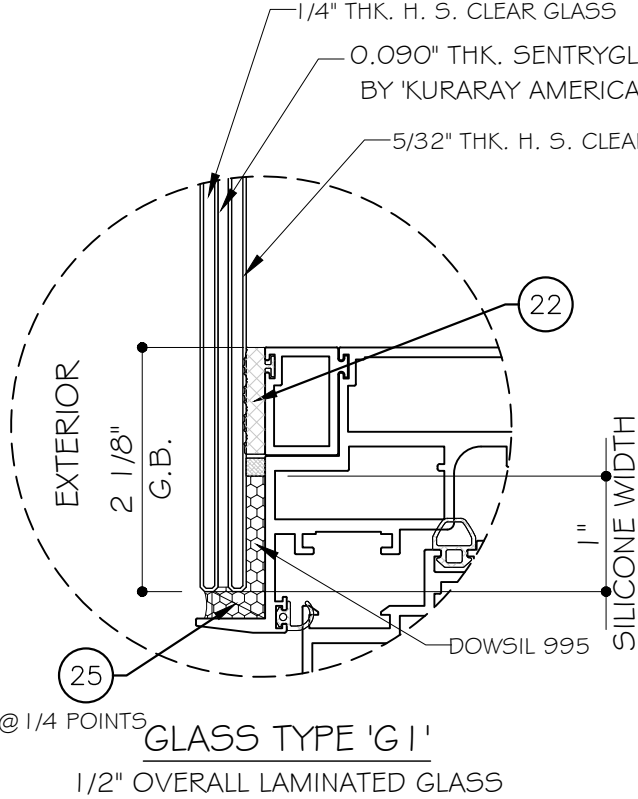


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MIRAMAR, FL. 33027
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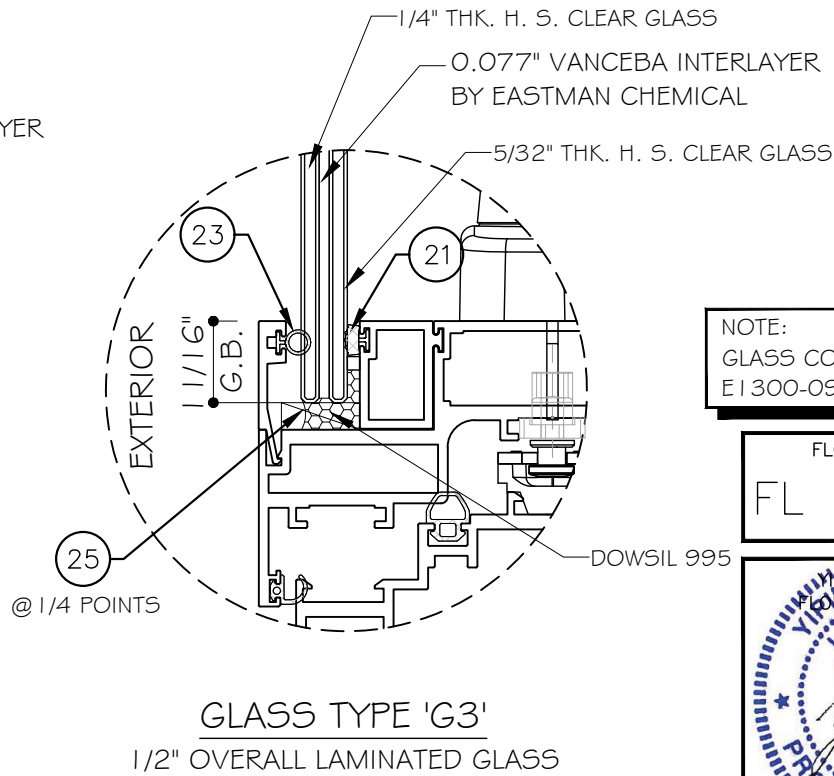
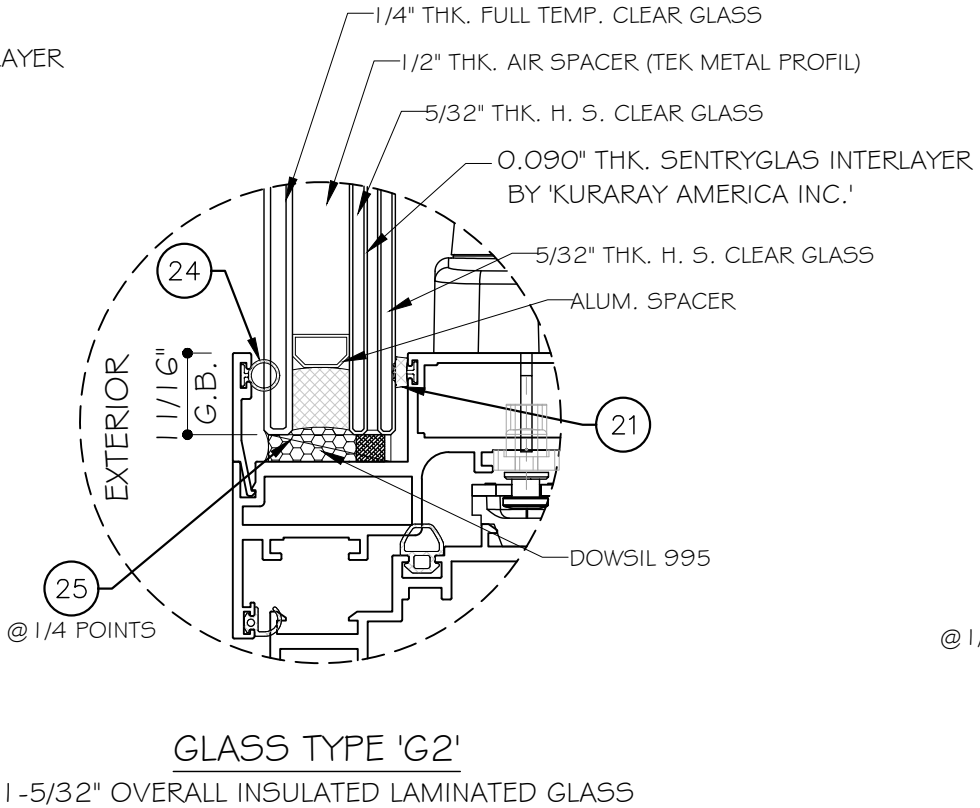
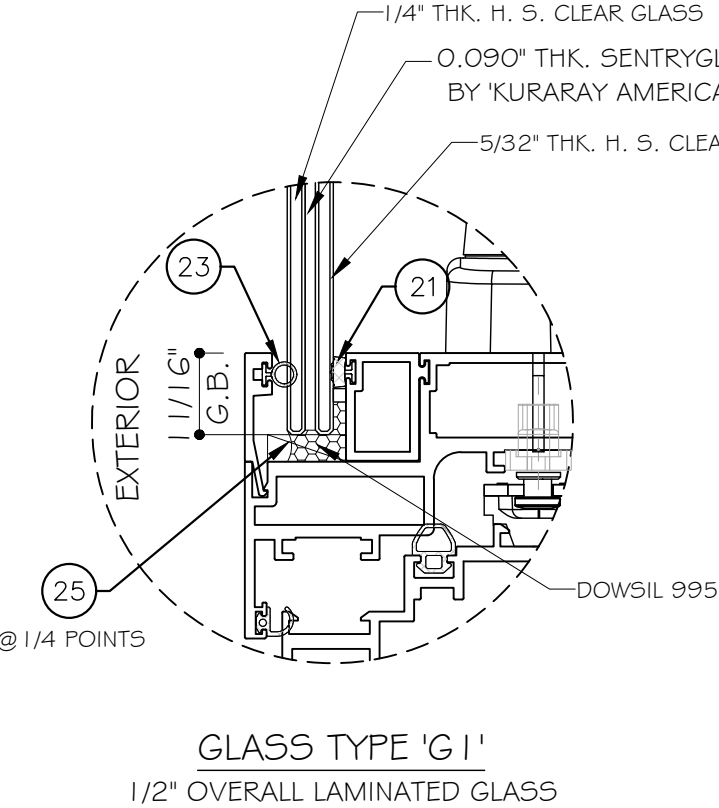
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CONTINENTAL GLASS SYSTEMS INC.
325 WEST 74TH PLACE HIALEAH, FL. 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

ADD NEW GLASS OPTION				Description	
Rev.	Date	Drawn By	Date	Rev.	No.
Rev. 2	04.04.2022				
Drawn Date		Scale		DRAWING NO.	
04.04.2022				AD20-14	
				COVER	
				Sheet No.	
				01 OF 14	

GLASS-STRUCTURAL GLAZING

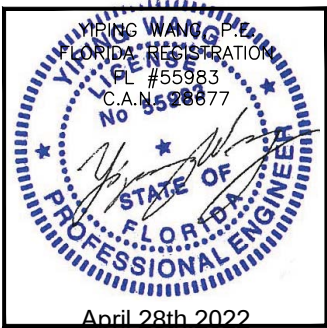


GLASS-POCKET GLAZED



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

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Drawn Date

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Scale

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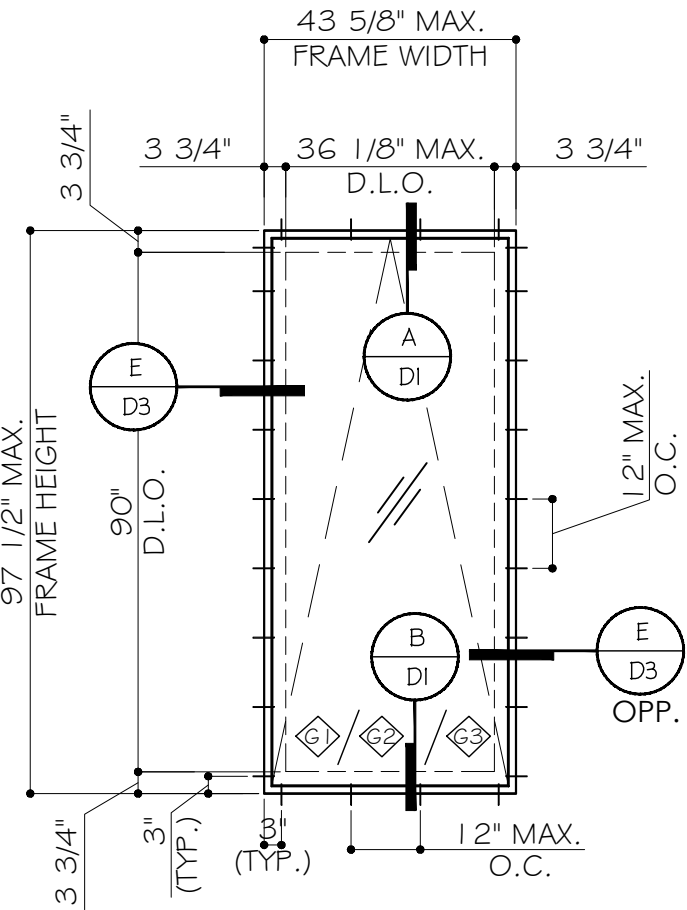
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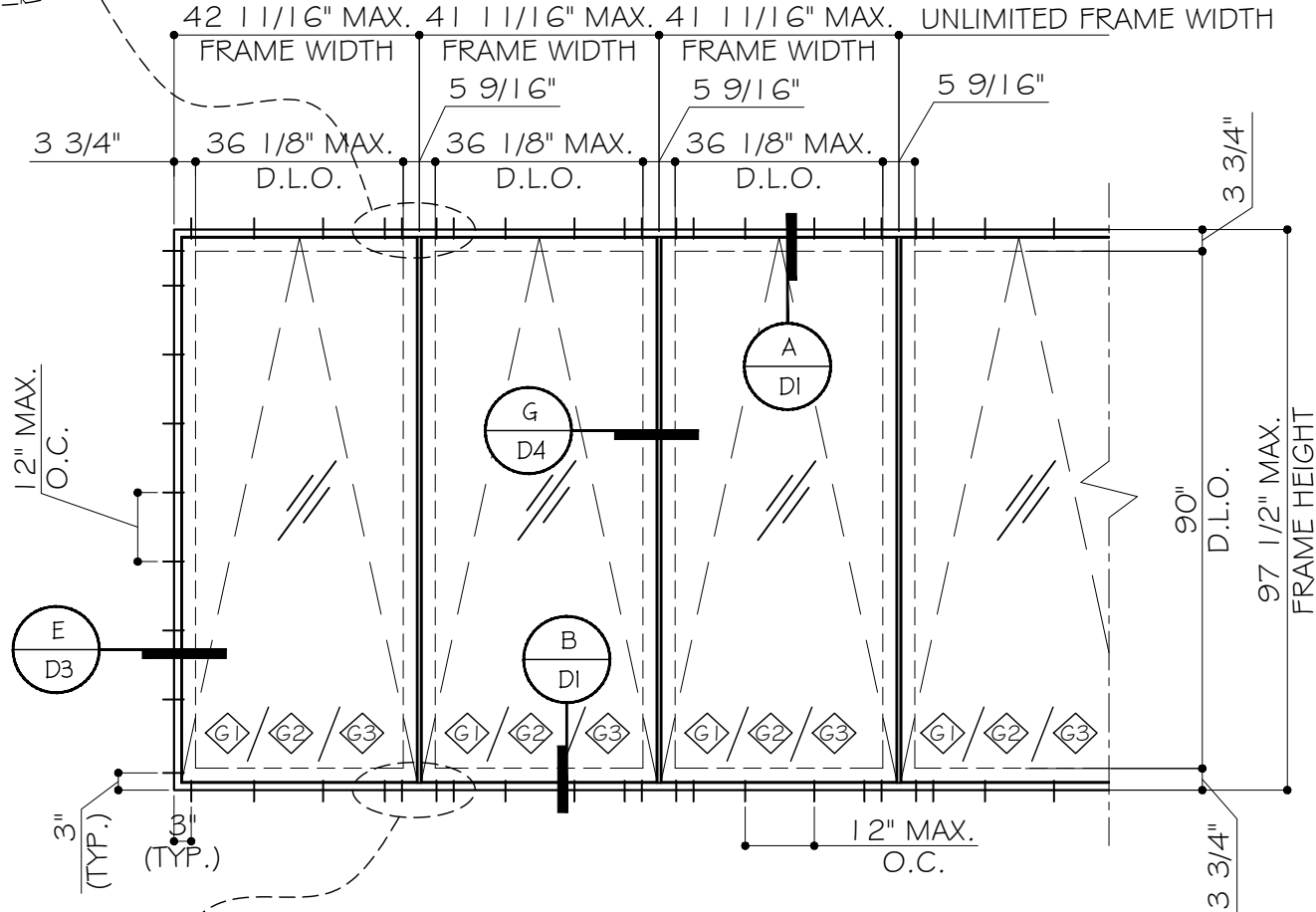
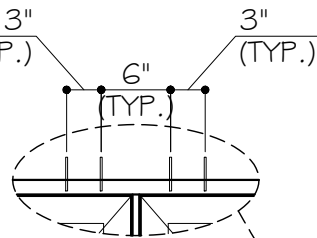
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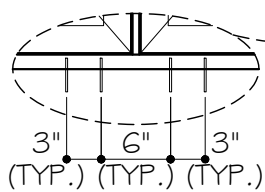
DESIGN LOADS
(FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC)
+85 PSF -85 PSF



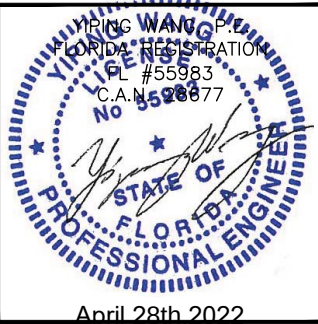
TYPICAL EXTERIOR ELEVATIONS



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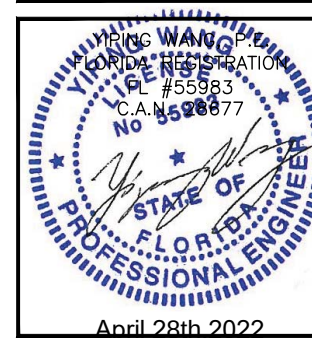
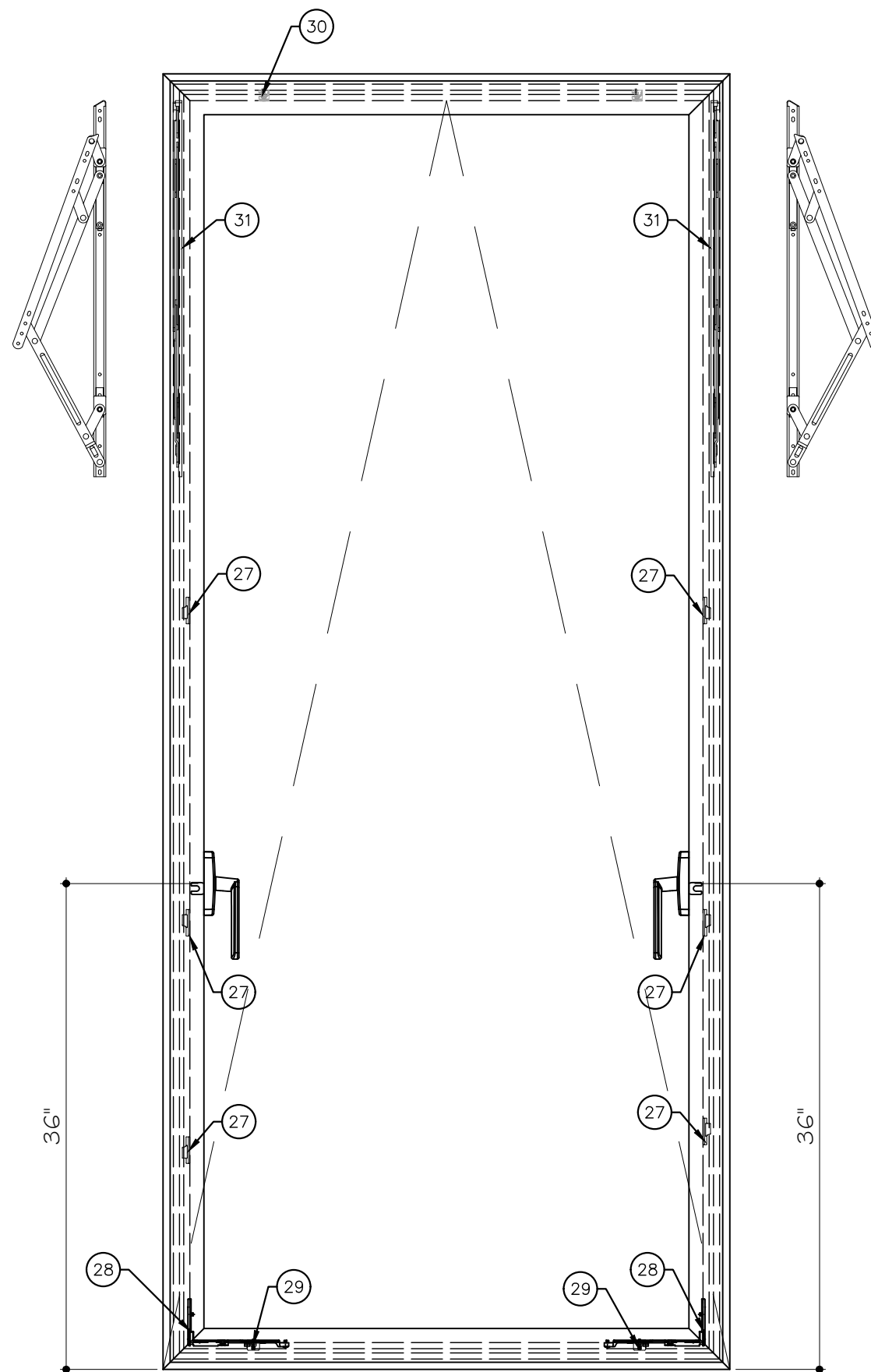
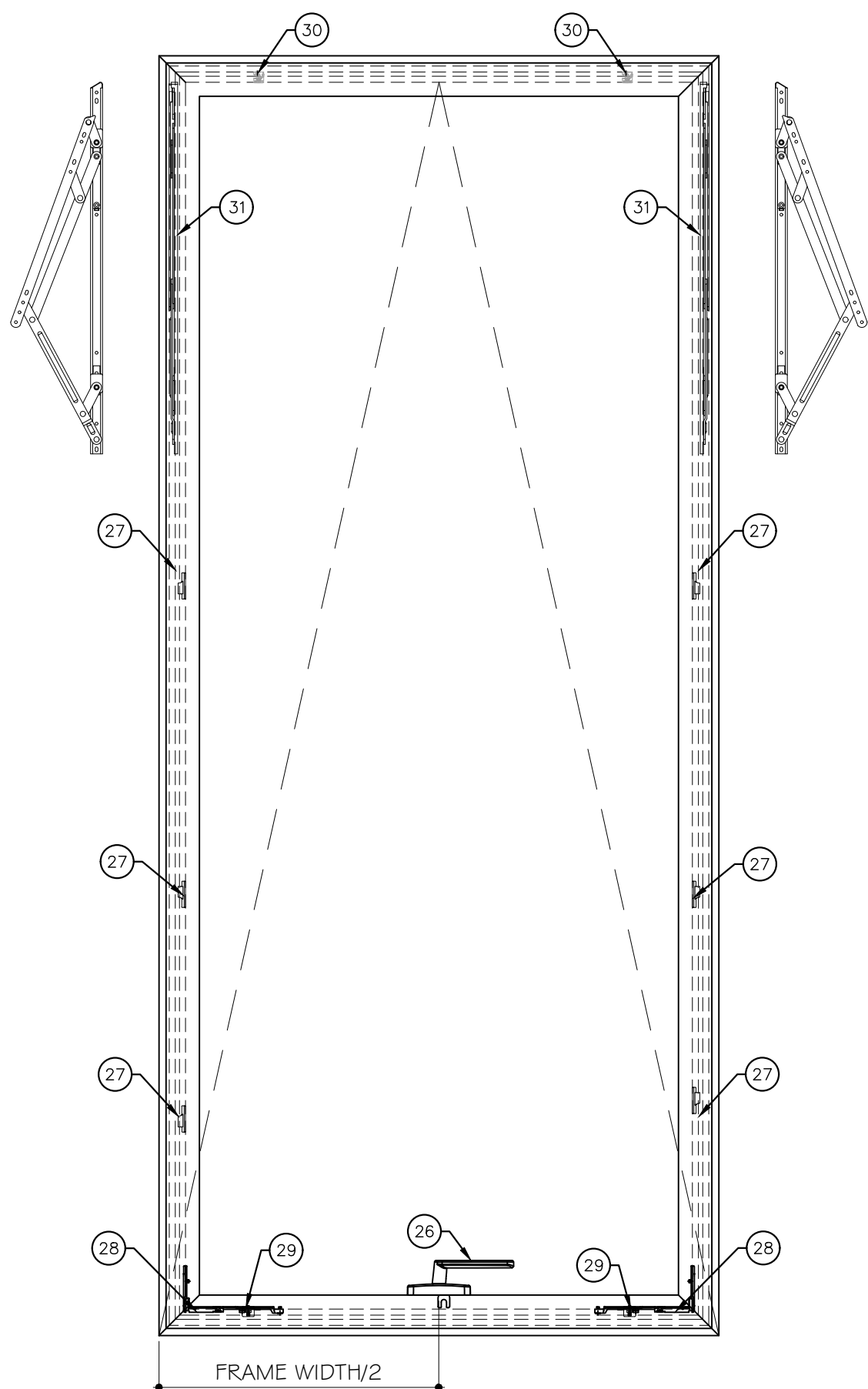
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Sheet No. 03 OF 14

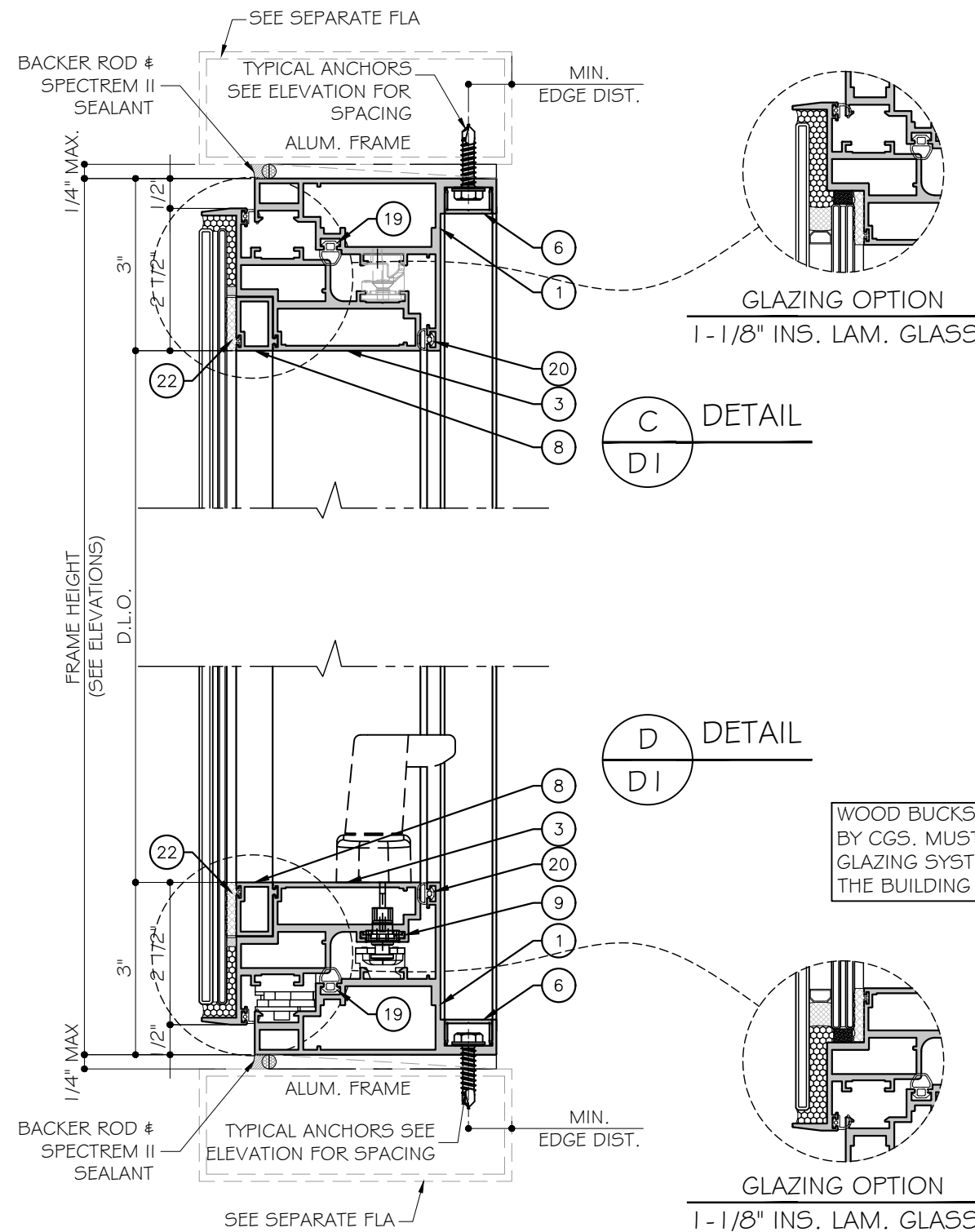
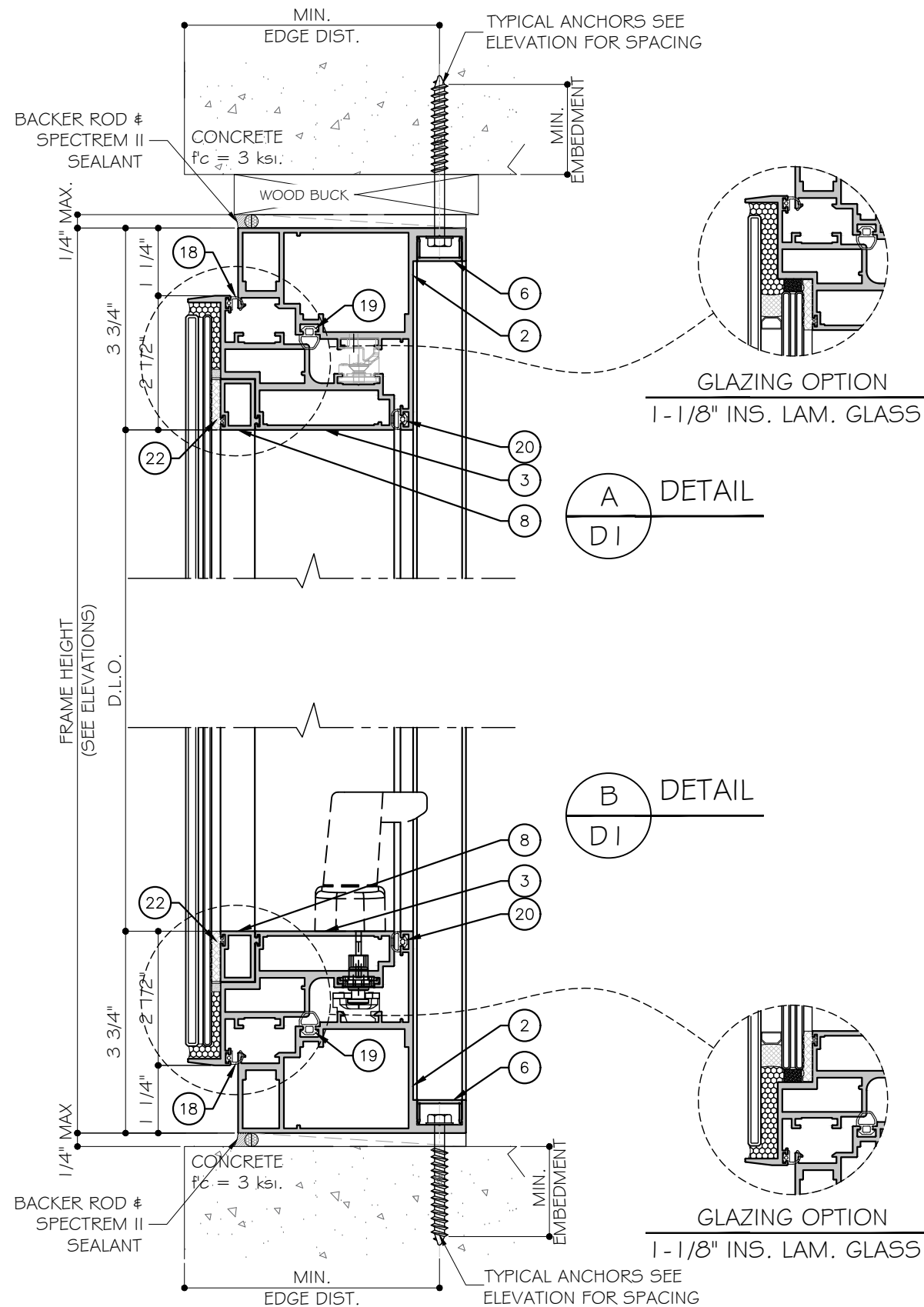


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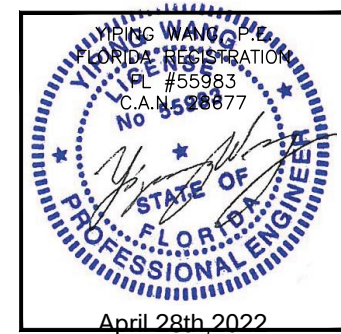
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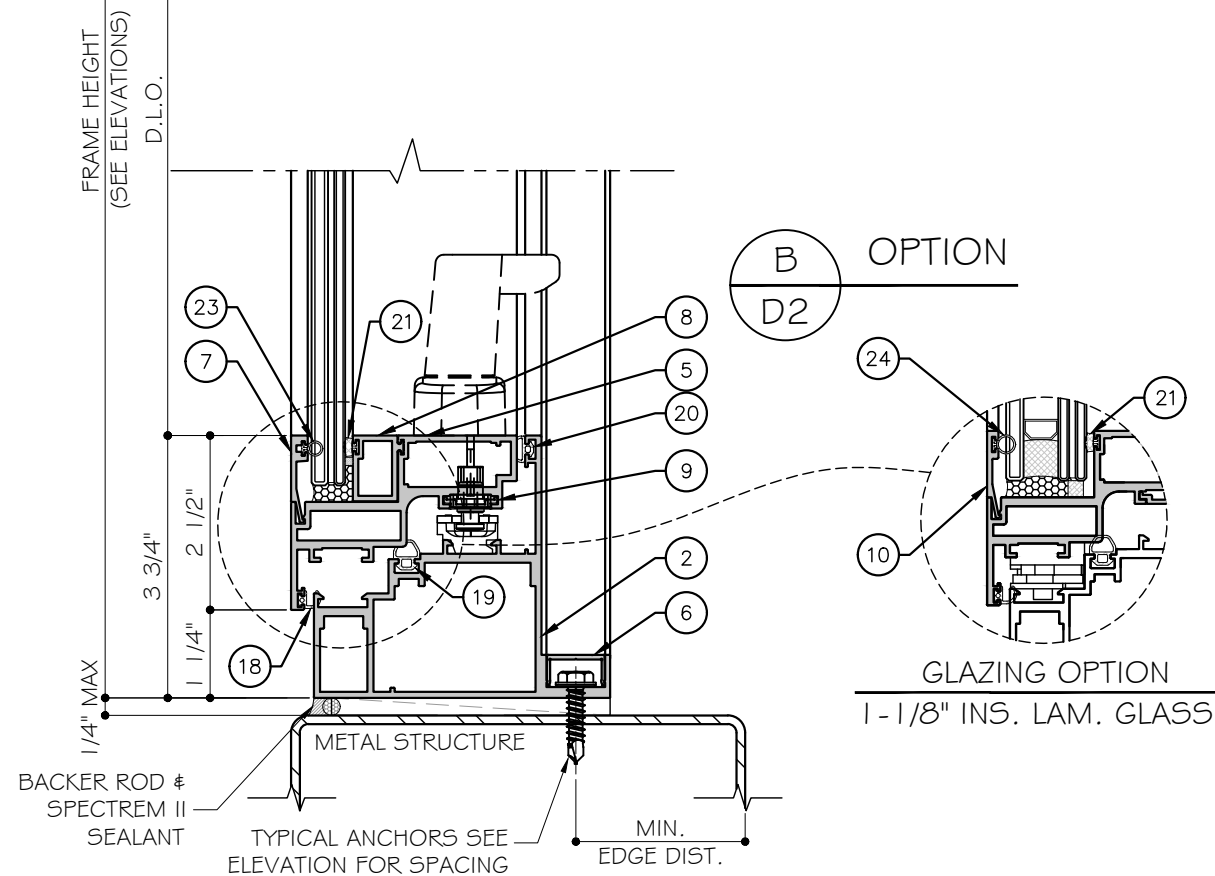
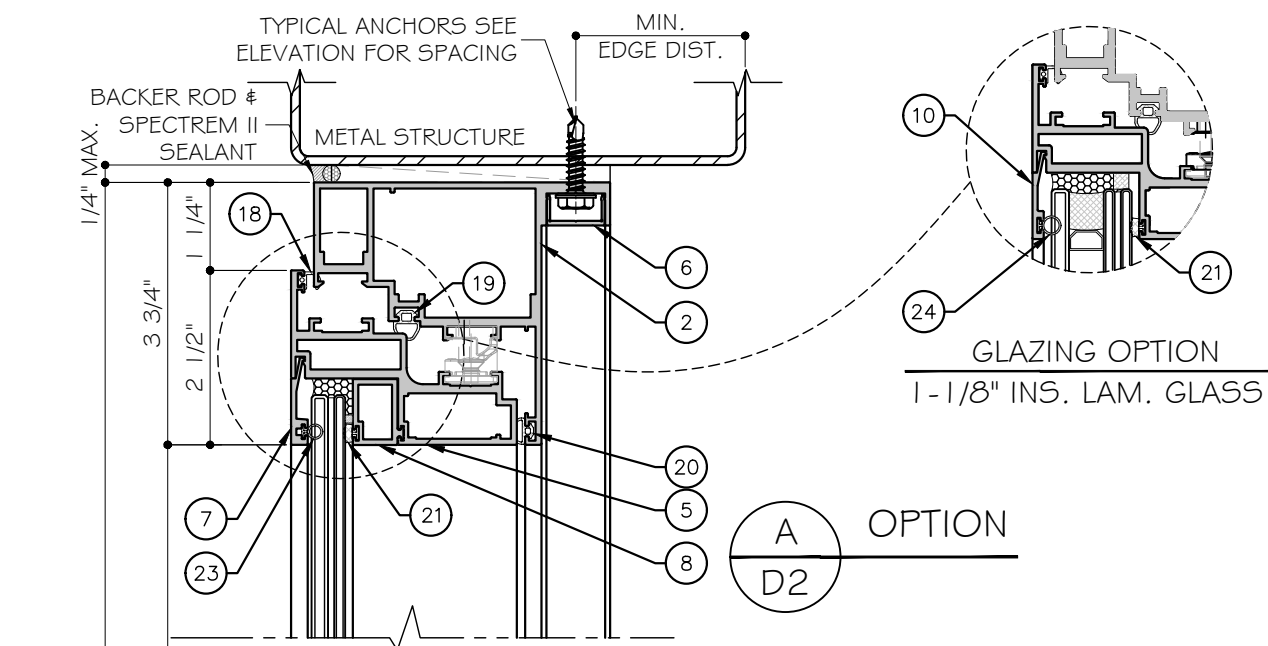
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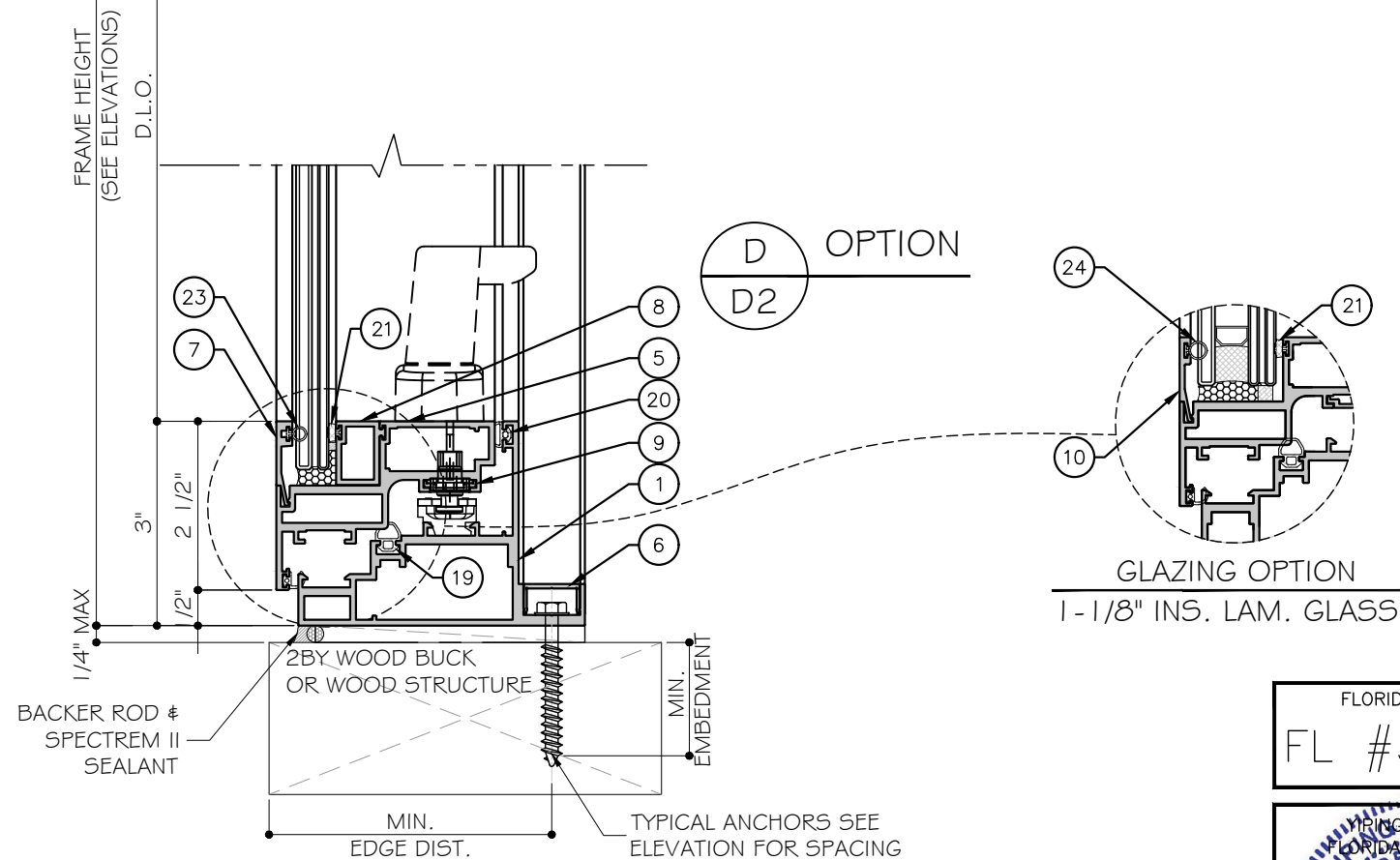
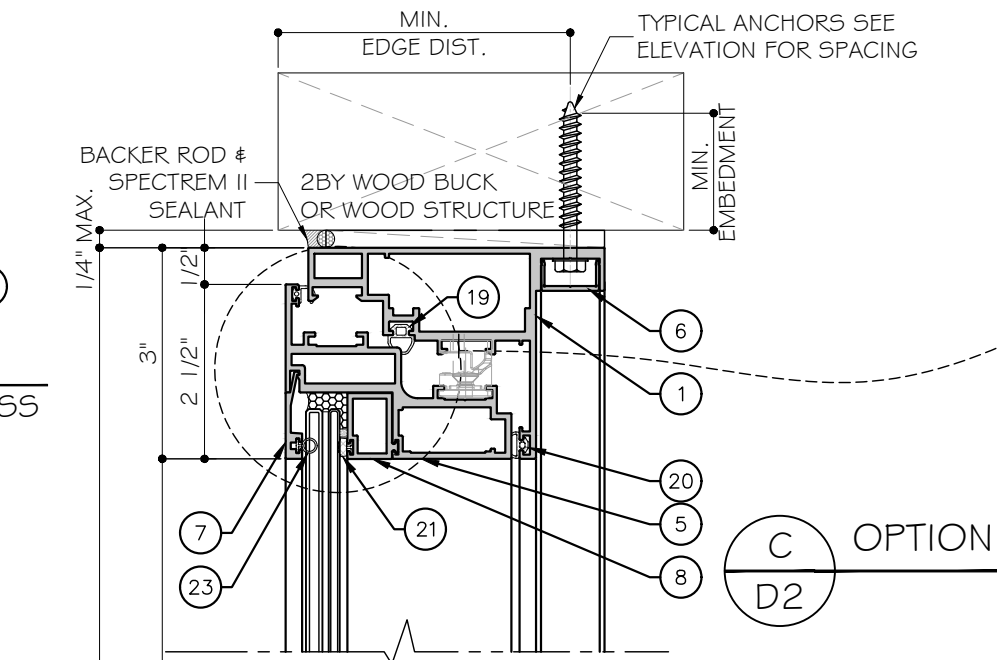
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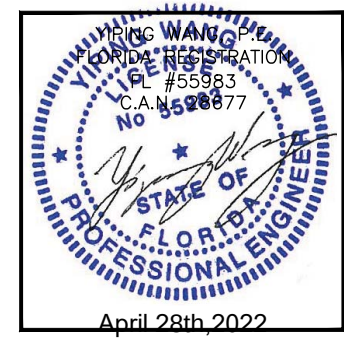
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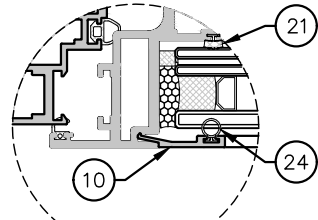
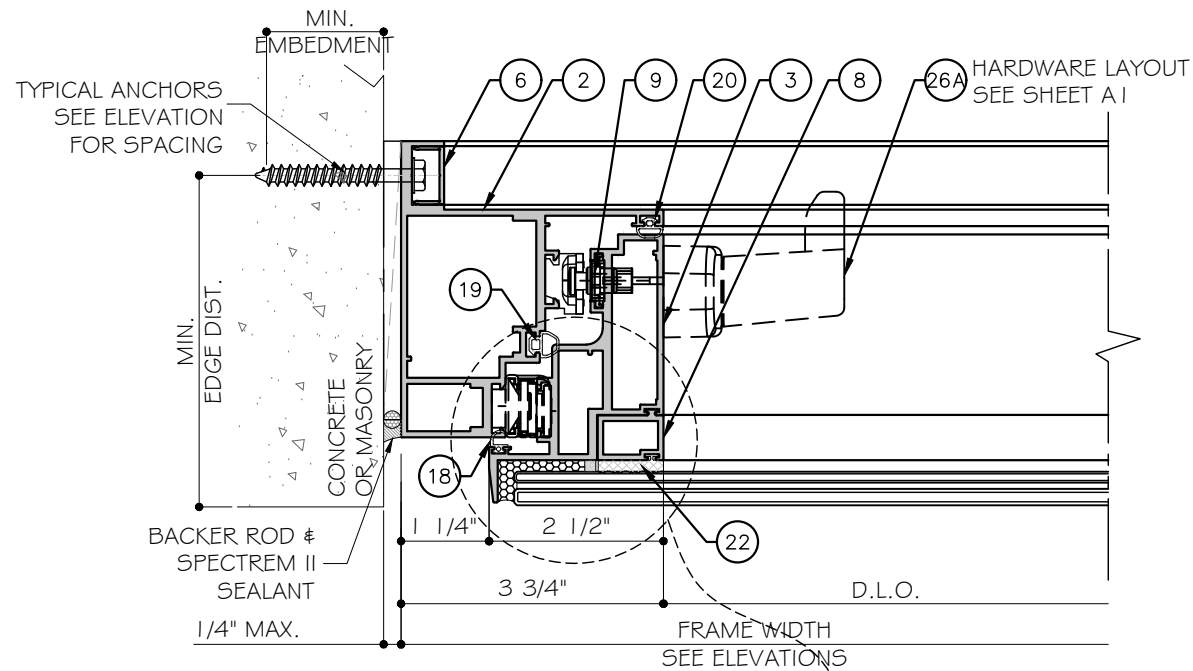
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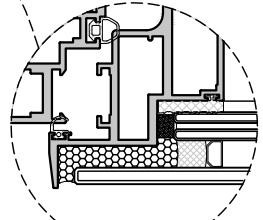
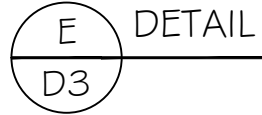
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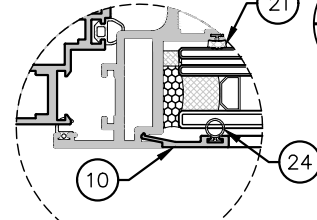
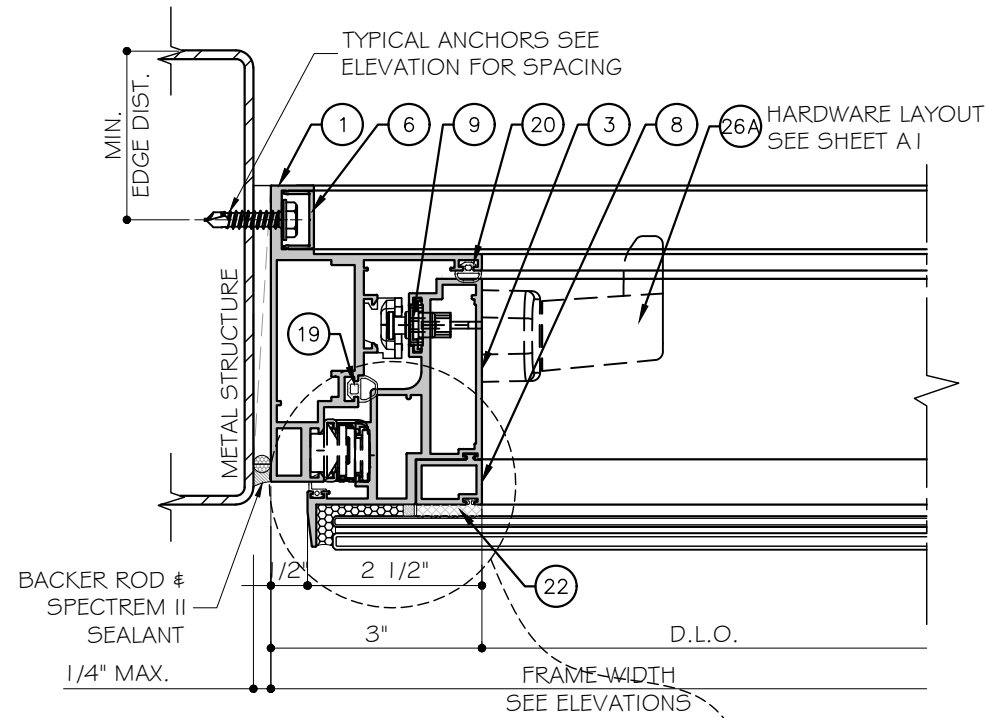
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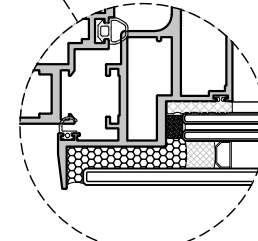
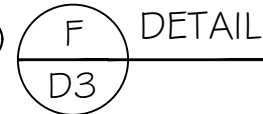
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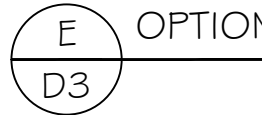
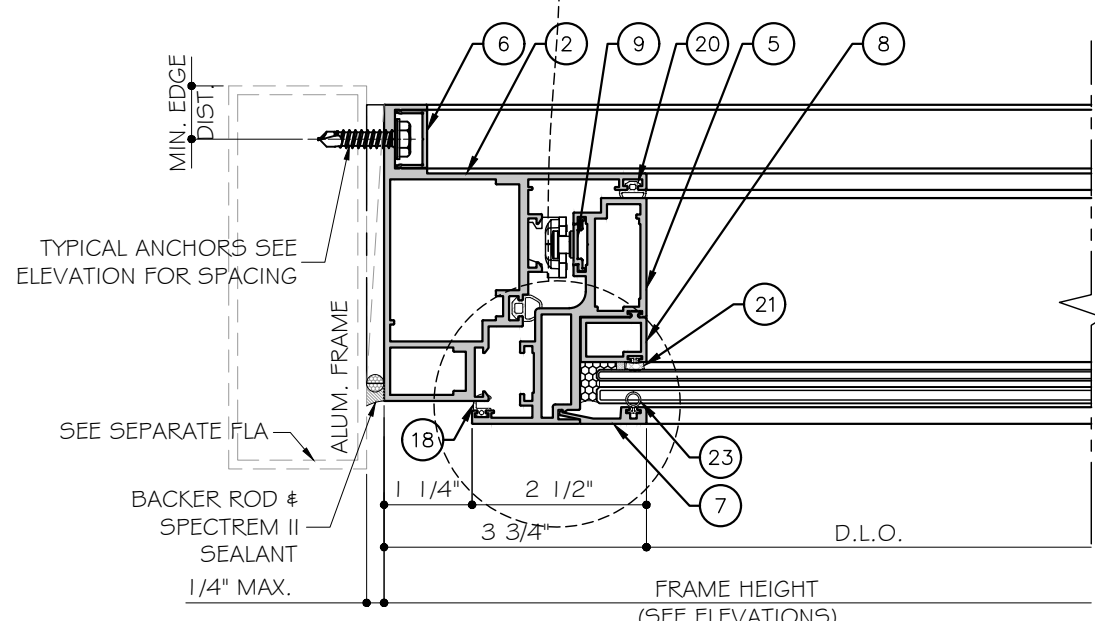
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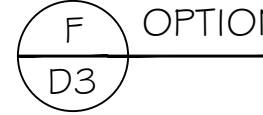
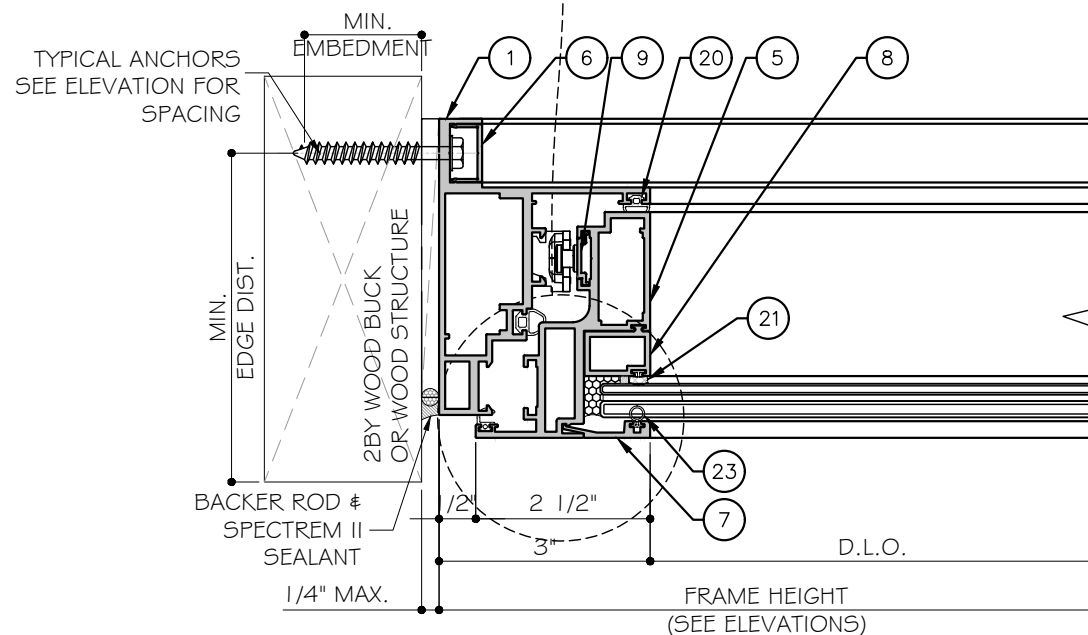
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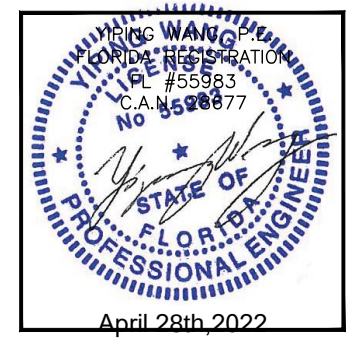


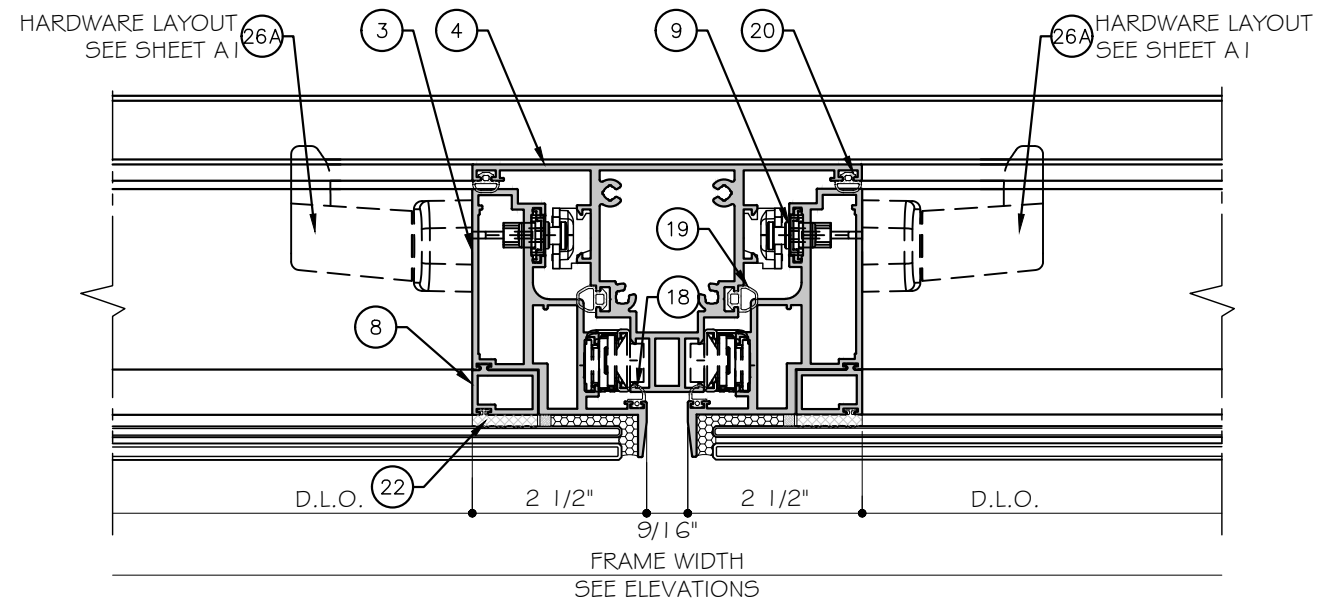
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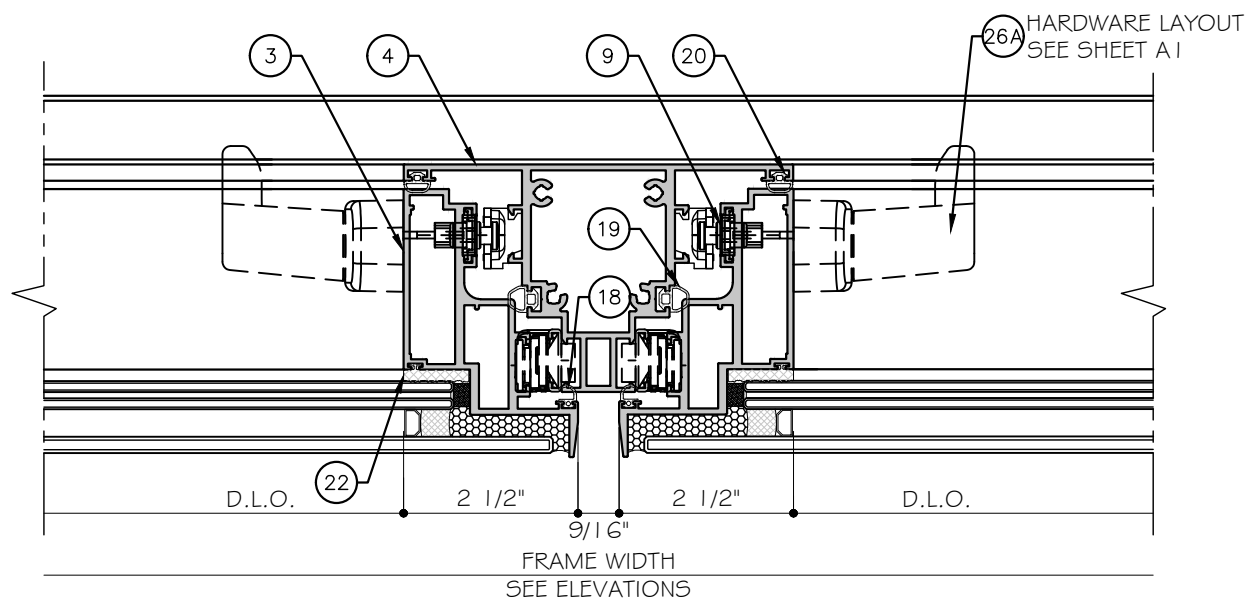
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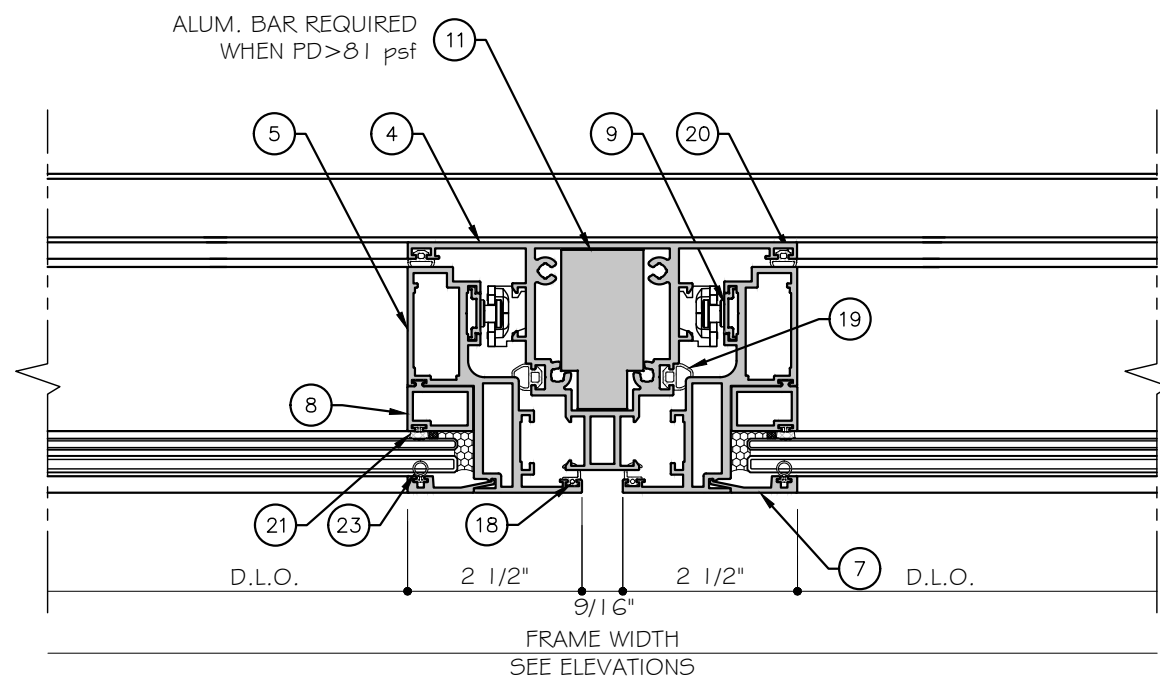


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DETAIL



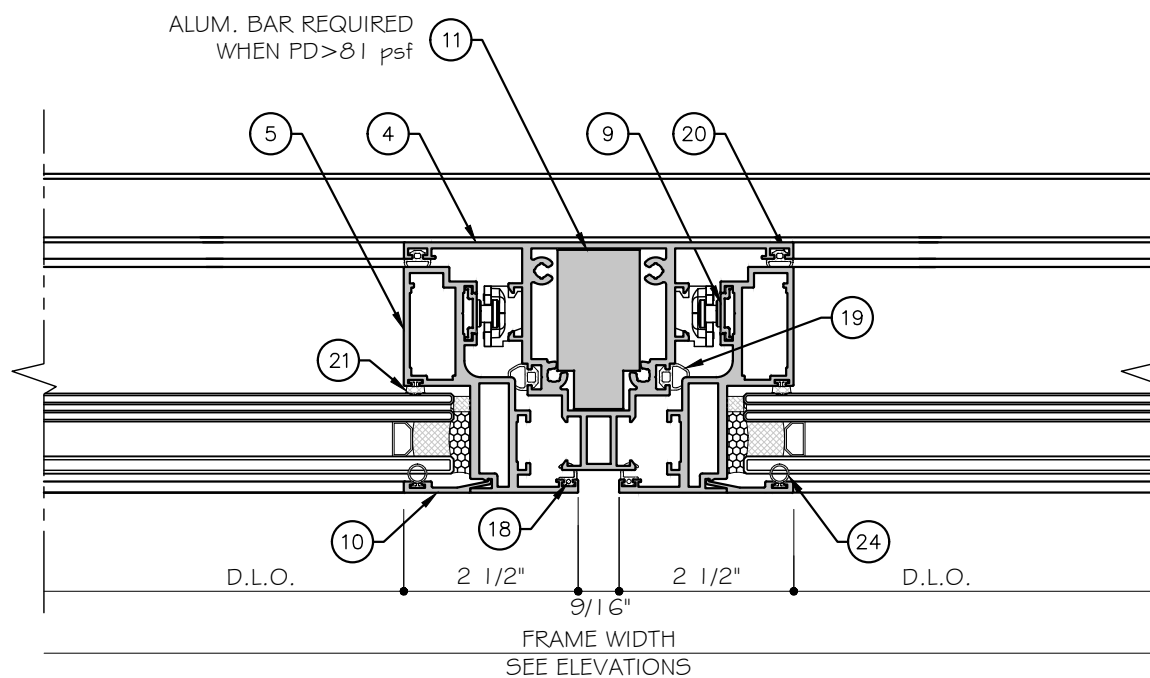
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OPTION

GLAZING OPTION



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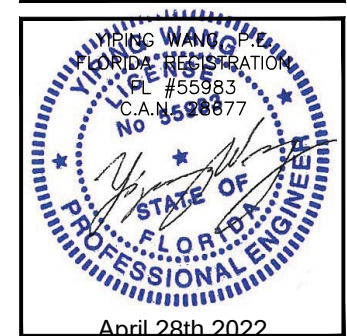
POCKET GLAZED OPTION



G
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OPTION

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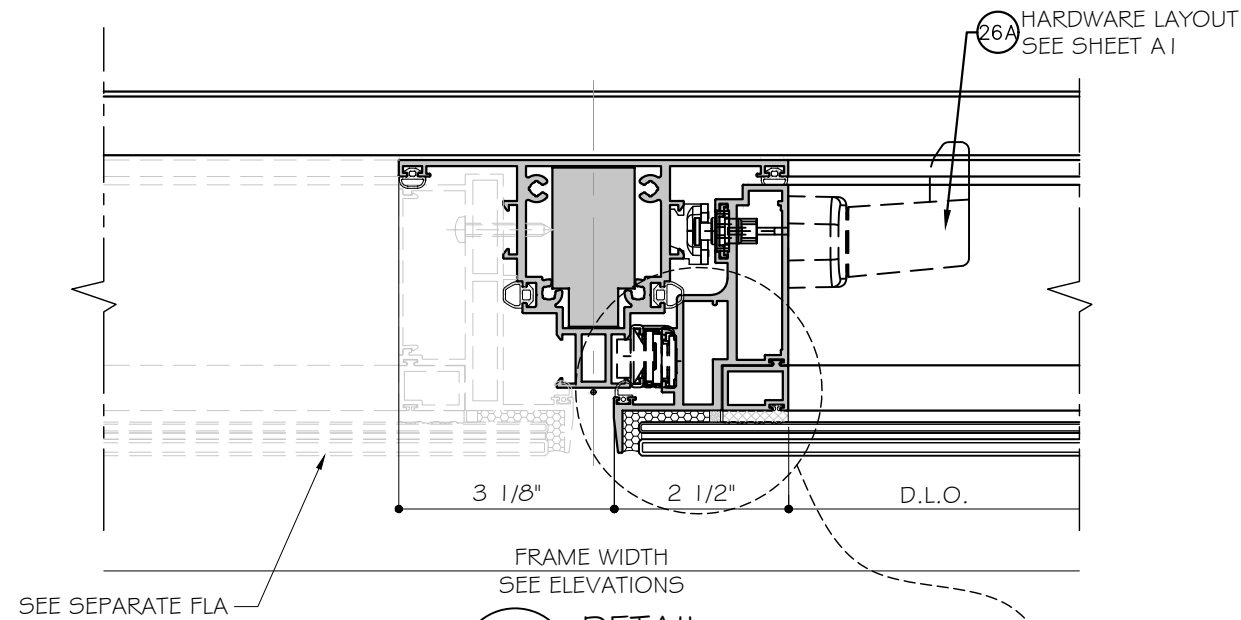
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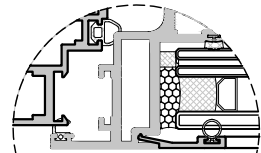
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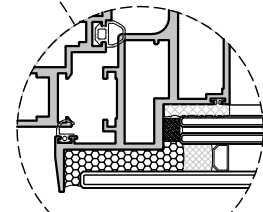
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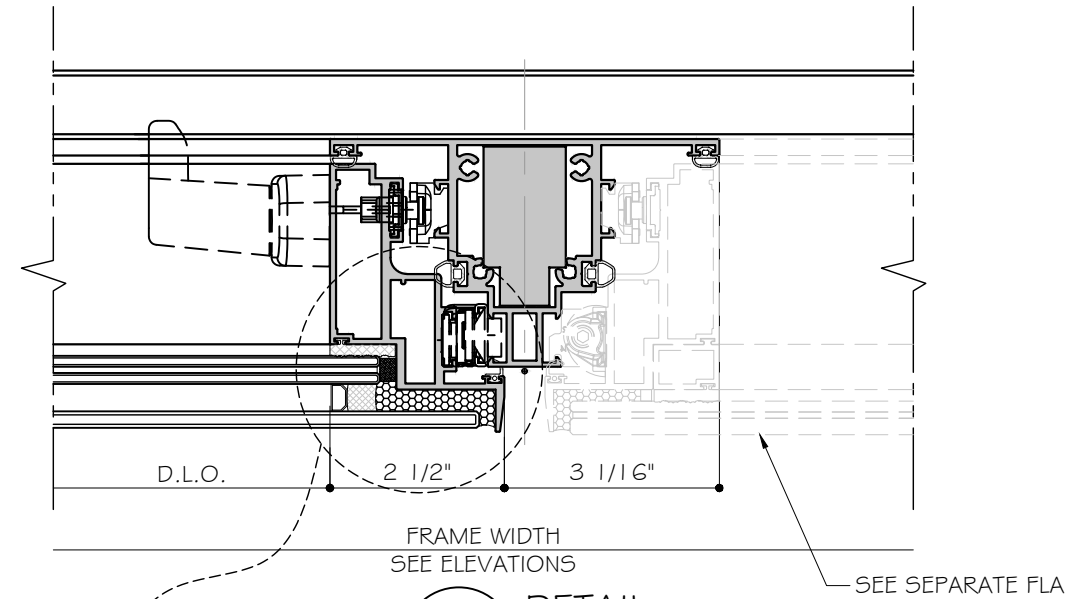
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D5



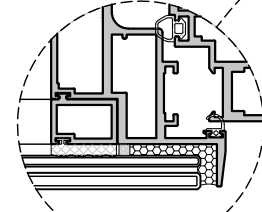
GLAZING OPTION
1-1/8" INS. LAM. GLASS



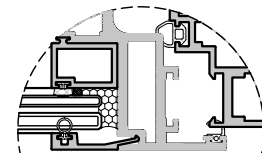
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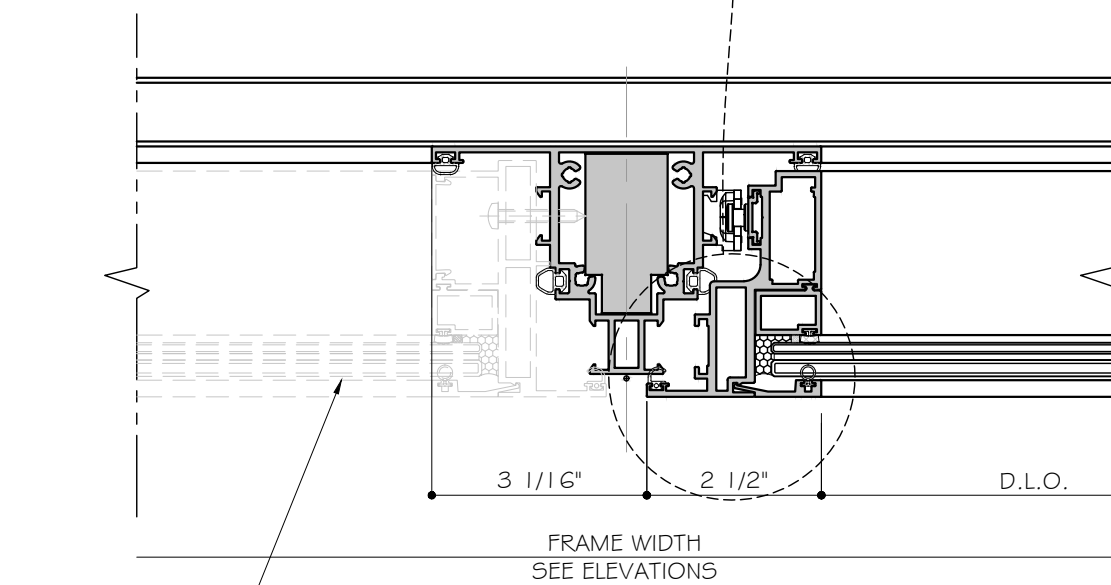
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GLAZING OPTION
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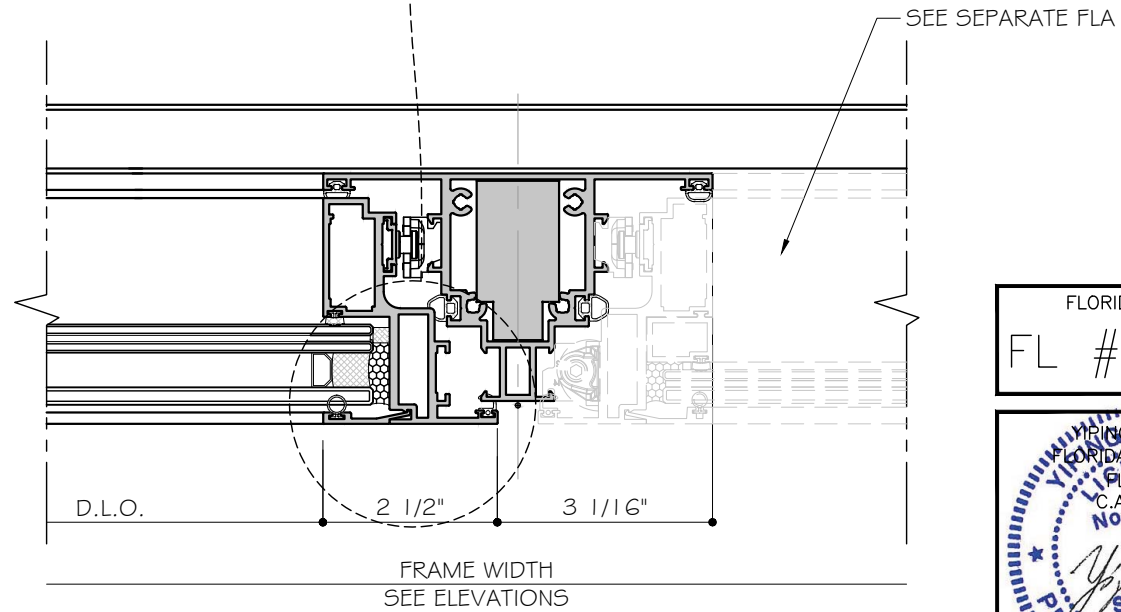


GLAZING OPTION
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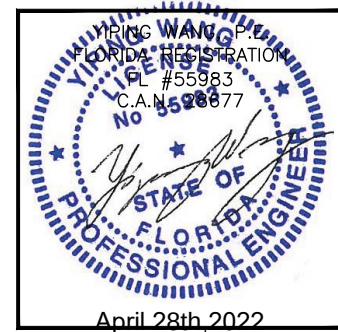
H OPTION
D5

POCKET GLAZED OPTION



J OPTION
D5

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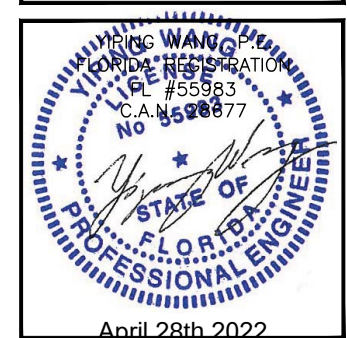
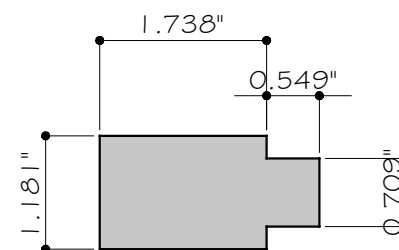
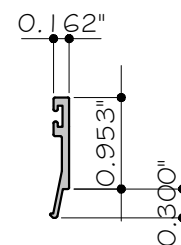
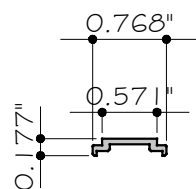
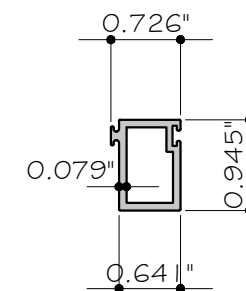
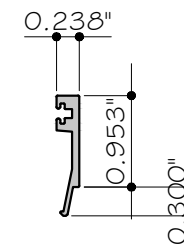
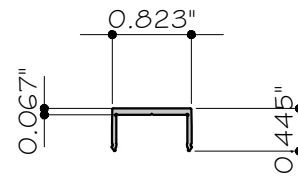
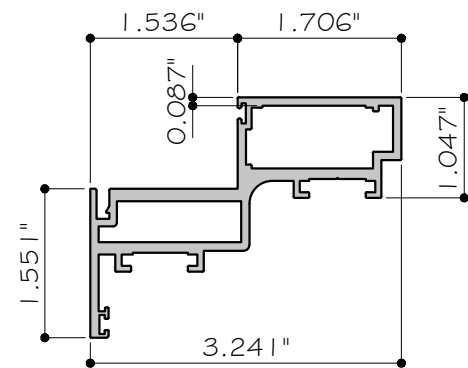
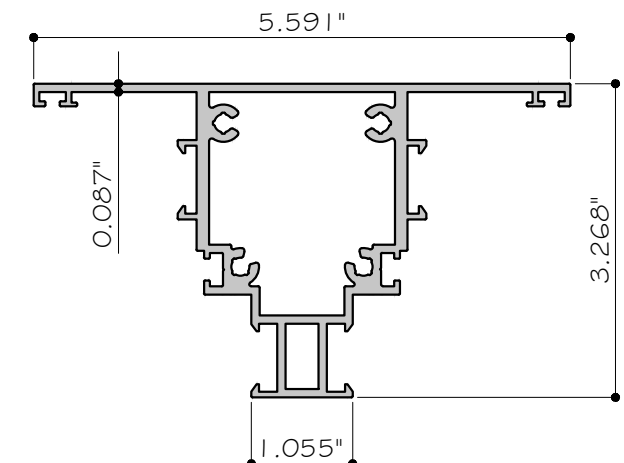
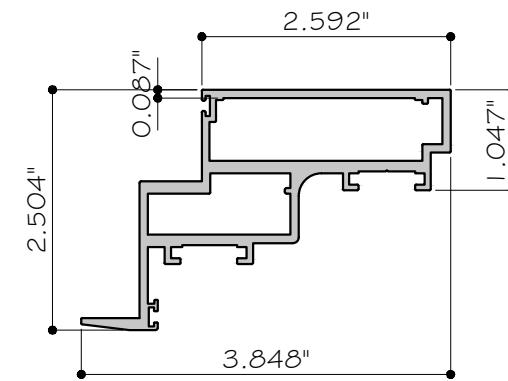
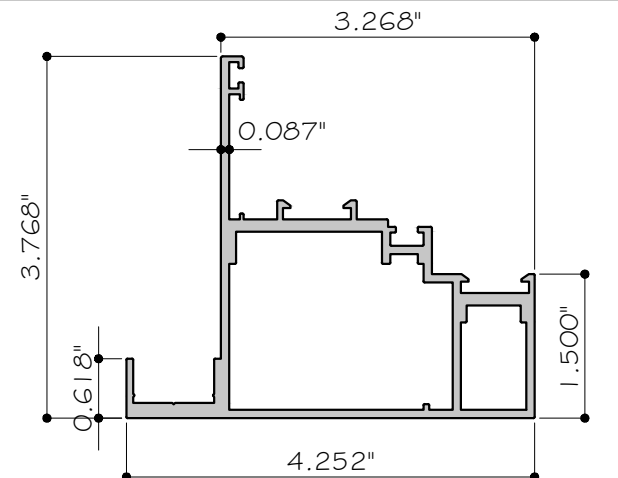
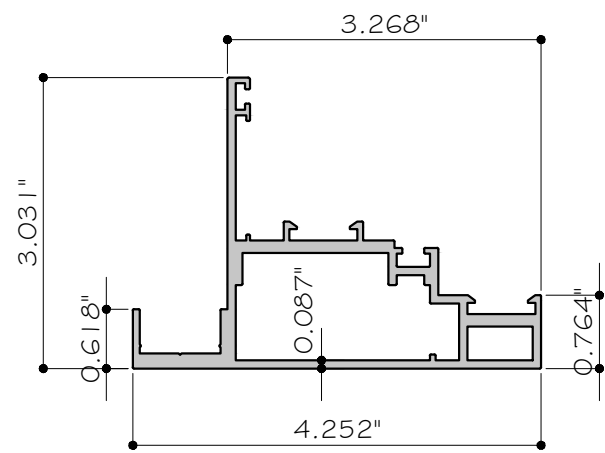
Rev. No.	Date	Drawn By	Description
Rev. 2	04.04.2022		ADD NEW GLASS OPTION

Drawn Date
04.04.2022

Scale

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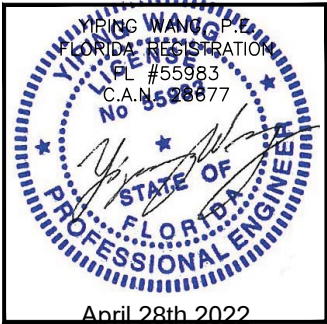
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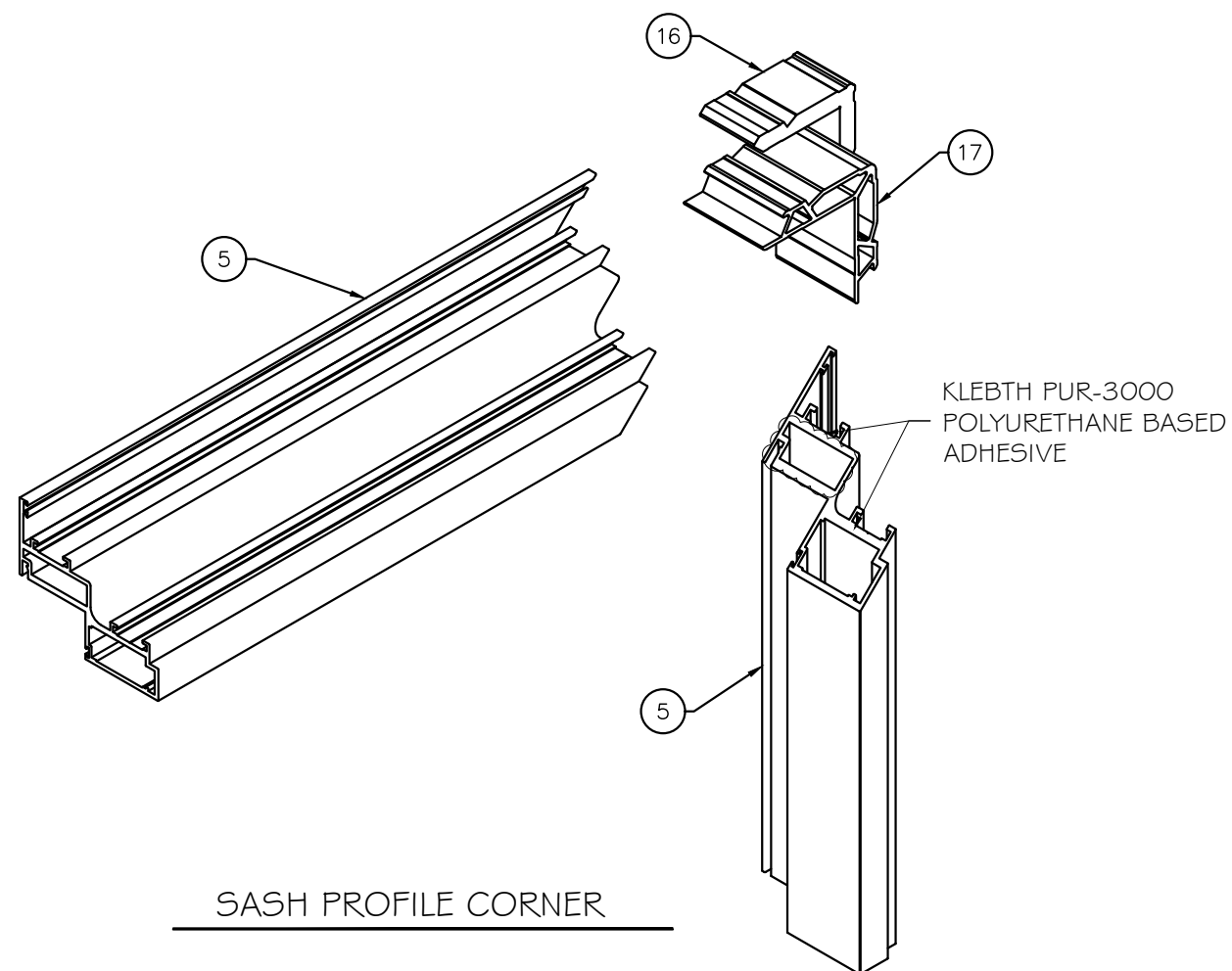
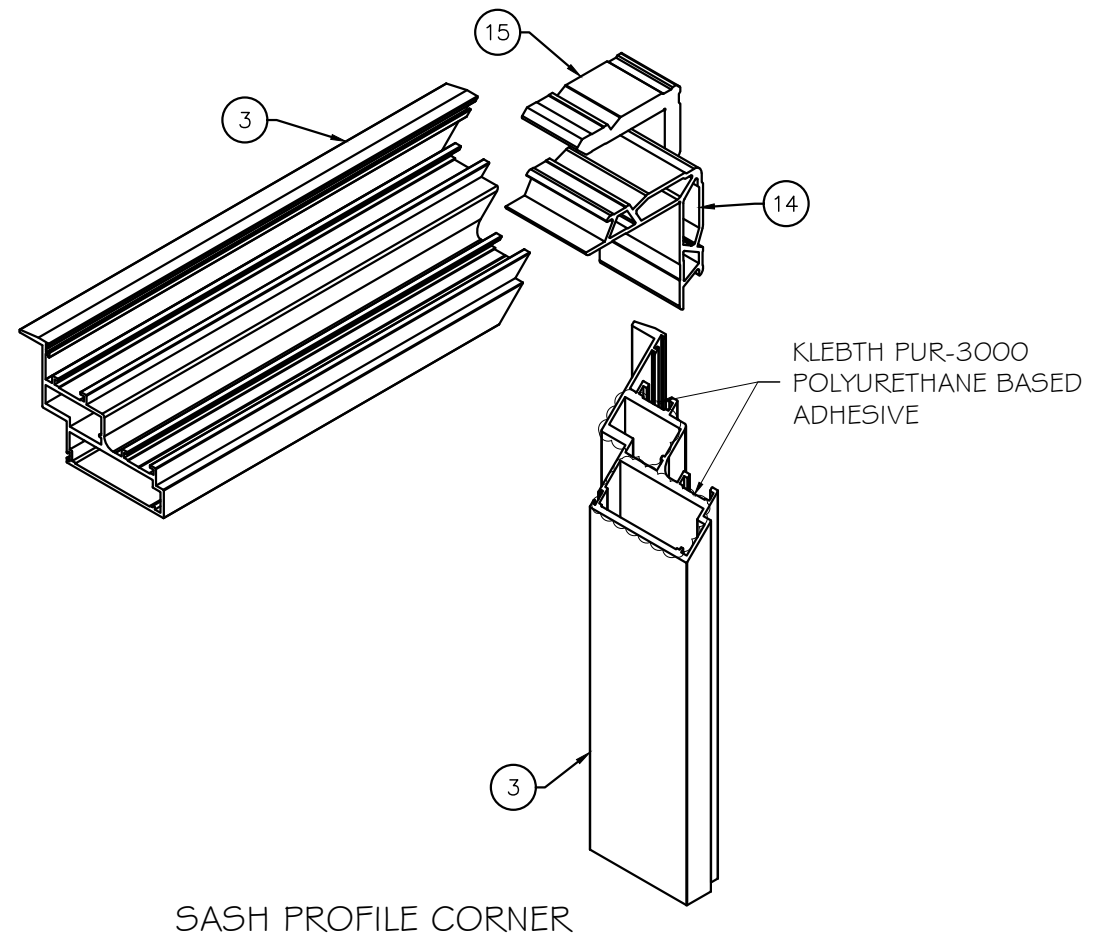
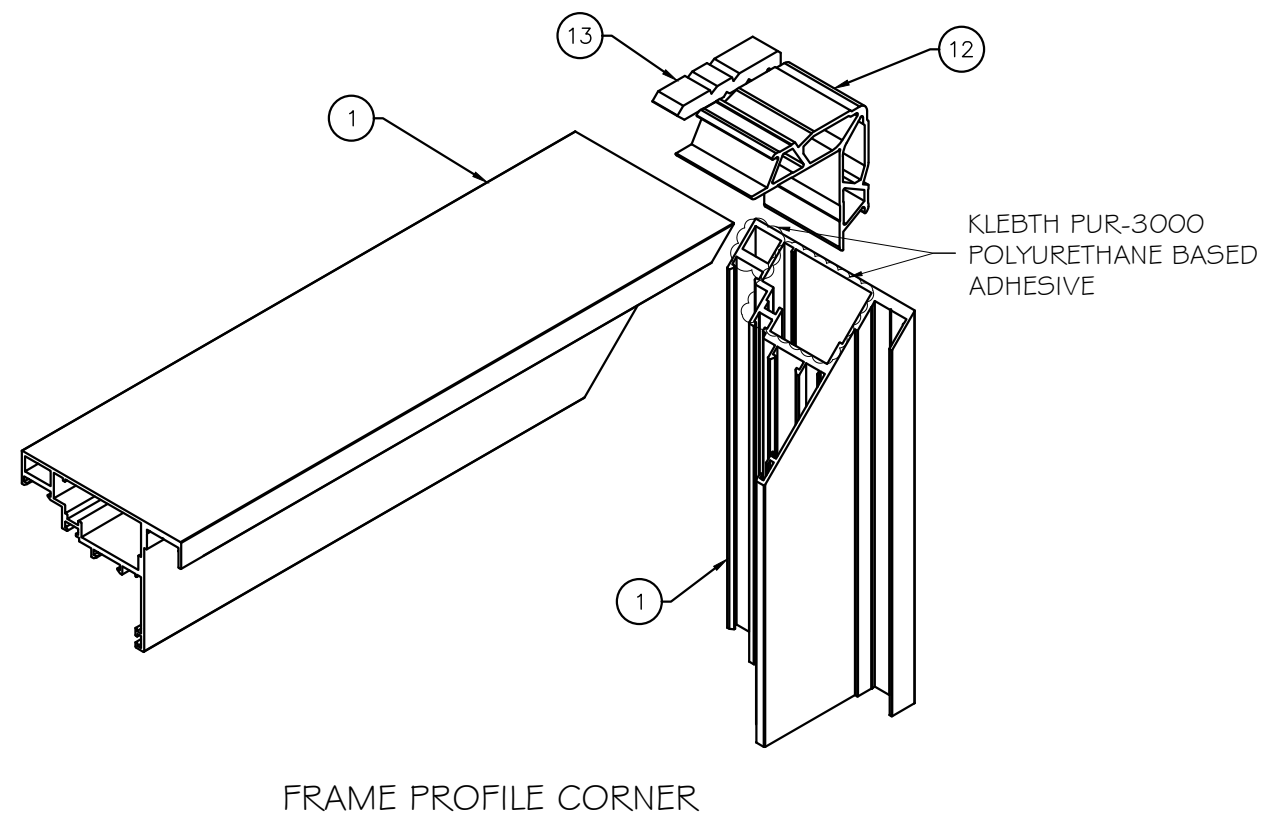
BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	REMARKS
1	LR-440-01	FRAME PROFILE	6063-T6	LINEA ROSSA
2	LR-440-13	FRAME PROFILE	6063-T6	LINEA ROSSA
3	LR-440-02	SASH PROFILE	6063-T6	LINEA ROSSA
4	LR-440-05	TRANSOM PROFILE	6063-T6	LINEA ROSSA
5	LR-440-09	SASH PROFILE	6063-T6	LINEA ROSSA
6	LR-440-04	COVER PROFILE	6063-T6	LINEA ROSSA
7	LR-440-10	GLAZING BEAD PROFILE	6063-T6	LINEA ROSSA
8	LR-440-03	INTERIOR GLAZING BEAD PROFILE	6063-T6	LINEA ROSSA
9	LR-440-15	ALUMINIUM ROD	6063-T6	LINEA ROSSA
10	5000-08	GLAZING BEAD PROFILE	6063-T6	LINEA ROSSA
11	LR-440-16	REINFORCING	6063-T6	LINEA ROSSA
12	B3119511	CORNER CLEAT 19.6X51.1mm	6063-T6	LINEA ROSSA
13	B3108170	CORNER CLEAT 8.6X17mm	6063-T6	LINEA ROSSA
14	B3116543	CORNER CLEAT 15.8X54.3mm	6063-T6	LINEA ROSSA
15	B3111374	CORNER CLEAT 10.5X37.4mm	6063-T6	LINEA ROSSA
16	B3111325	CORNER CLEAT 10.5X32.5mm	6063-T6	LINEA ROSSA
17	B3116318	CORNER CLEAT 15.8X31.8mm	6063-T6	LINEA ROSSA
18	B4110019	SASH GASKET	EPDM,DUROMETER 70 +/-5 SHORE-A	LINEA ROSSA
19	B4310002	CENTRAL GASKET	EPDM,DUROMETER 70 +/-5 SHORE-A	LINEA ROSSA
20	B4510053	FRAME GASKET	EPDM,DUROMETER 70 +/-5 SHORE-A	LINEA ROSSA
21	B4510091	INTERIOR GLAZING GASKET	EPDM,DUROMETER 70 +/-5 SHORE-A	LINEA ROSSA
22	B4410009	INTERIOR GLAZING GASKET	EPDM,DUROMETER 70 +/-5 SHORE-A	LINEA ROSSA
23	B4510092	EXTERIOR GLAZING GASKET	EPDM,DUROMETER 70 +/-5 SHORE-A	LINEA ROSSA
24	B4510093	EXTERIOR GLAZING GASKET	EPDM,DUROMETER 70 +/-5 SHORE-A	LINEA ROSSA
25	-	SETTING BLOCK 4" LG. AT 1/4" POINT DUROMETER 85 +/-5 SHORE-A	EPDM	-
26	B7410062	SIRIUS OFFSET HANDLE-RIGHT	ALUMINIUM	STAC
26A	B7410063	SIRIUS OFFSET HANDLE-LEFT	ALUMINIUM	STAC
27	B7510119	FUTURA BURGLAR-PROOF FASTENING MECHANISM	ALUMINIUM ST. STEEL	LINEA ROSSA
28	B7514019	COVER DRIVE GACS	ZAMAK	GIESSE
29	B7510082	STRIKER FOR FLAT FRAME	ZAMAK	GIESSE
30	B7511374	TOP LOCK PART	ZAMAK NYLON	GIESSE
31	B7718534	10" TOP HUNG TYPE WINDOWS	ST. STEEL	GIESSE
	B7718535	12" TOP HUNG TYPE WINDOWS	ST. STEEL	GIESSE
	B7718536	14" TOP HUNG TYPE WINDOWS	ST. STEEL	GIESSE
	B7718537	16" TOP HUNG TYPE WINDOWS	ST. STEEL	GIESSE
	B7718538	18" TOP HUNG TYPE WINDOWS	ST. STEEL	GIESSE
	B7718539	20" TOP HUNG TYPE WINDOWS	ST. STEEL	GIESSE
	B7718540	22" TOP HUNG TYPE WINDOWS	ST. STEEL	GIESSE
	B7718541	24" TOP HUNG TYPE WINDOWS	ST. STEEL	GIESSE
	B7718548	26" TOP HUNG TYPE WINDOWS	ST. STEEL	GIESSE
	B7718542	28" TOP HUNG TYPE WINDOWS	ST. STEEL	GIESSE

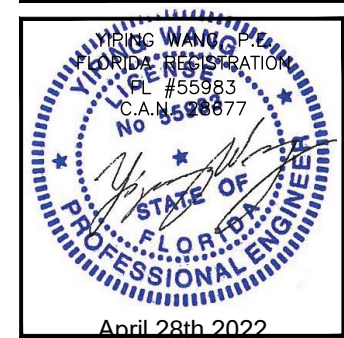
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 MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 F: 305.271.0117 MIRAMAR, FL. 33027 www.MCYEngineering.com mcy@mcyengineering.com		SERIES 7700 PROJECTED-OUT WINDOW SYSTEMS (L.M.I.)	
		CONTINENTAL GLASS SYSTEMS INC.	
325 WEST 74TH PLACE HIALEAH, FL. 33014 TEL. (305) 231-1101 FAX. (305) 231-1103			
Rev. 2	04.04.2022	I.M.	
ADD NEW GLASS OPTION			
Drawn Date 04.04.2022		Scale	
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