

ALUMINUM FIXED WINDOW

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE
COMBINATIONS OF FIX./FIX. OR FIXED WITH OTHER
WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING
F.B.C. APPROVED MULLIONS IN BETWEEN.
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL
WILL APPLY TO ENTIRE SYSTEM.

DESIGN LOAD SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



THESE WINDOWS ARE NOT RATED FOR IMPACT.
INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE
USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES
COMPLYING WITH HVHZ REQUIREMENTS.

INSTALLATION OF THIS SYSTEM OUTSIDE OF THE HVHZ AREA MUST MEET
THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION

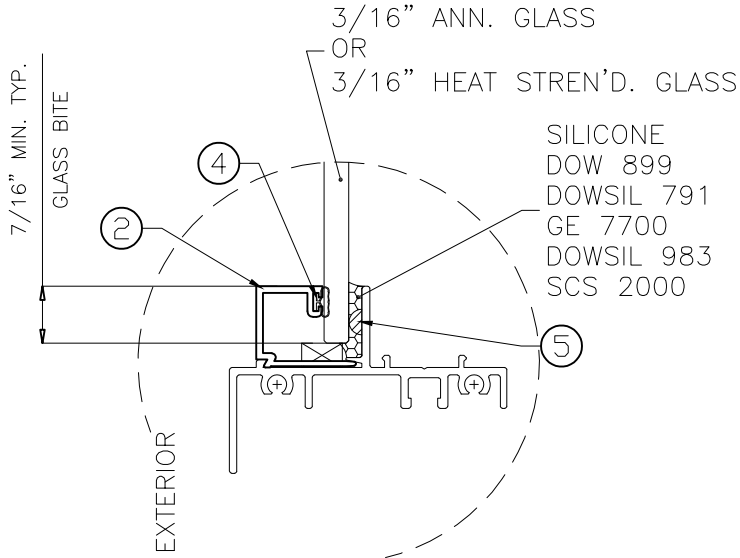
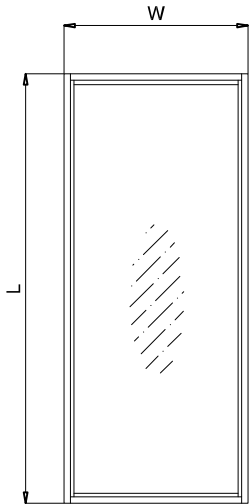
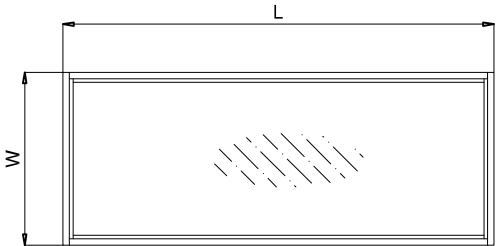


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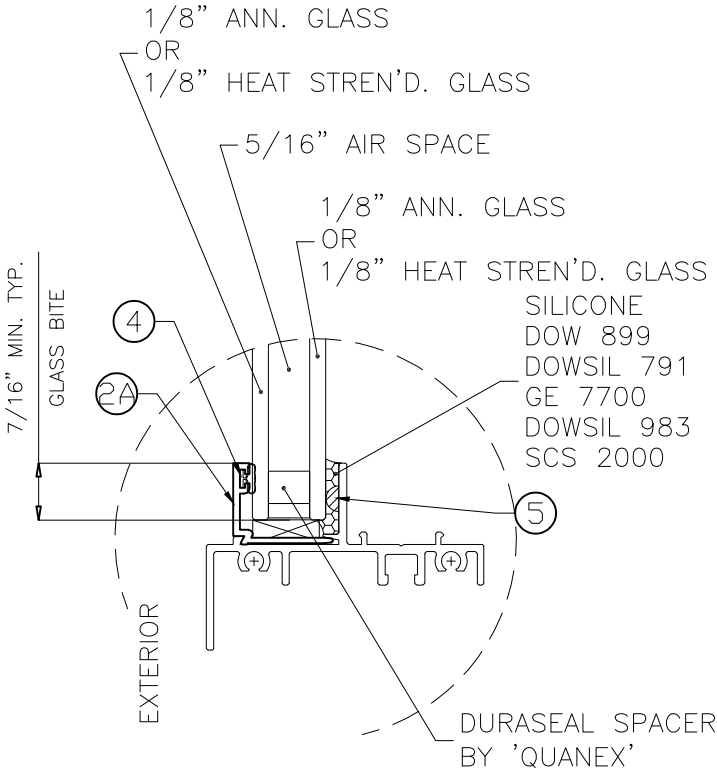
SERIES 70: ALUMINUM FIXED WINDOW (N.I.) NOT RATED FOR IMPACT			ECO WINDOW SYSTEMS, LLC. 8502 N.W. 80th ST. MEDLEY, FL 33166 TEL. (305) 885-5299 FAX. (305) 885-5902	
	SEALED: 12/30/2024			
	01 of 06			
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Design Load Capacity - PSF												
Frame Width (in.)	Glass Type	Frame Length (in.)										
		26"	38-3/8"	48"	50-5/8"	54"	60"	63"	72"	76"	84"	96"
19-1/8"	3/16" Ann. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0
	3/16" H.S. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0
	9/16" Ann. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-55.0	+/-47.8	+/-47.8	+/-45.3
	9/16" H.S. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0
24"	3/16" Ann. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0
	3/16" H.S. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0
	9/16" Ann. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-55.0	+/-54.8	+/-47.8	+/-47.8	+/-45.3
	9/16" H.S. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0
26-1/2"	3/16" Ann. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-46.8	+/-40.4	+/-40.4	+/-38.0
	3/16" H.S. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0
	9/16" Ann. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-55.0	+/-54.8	+/-43.6	+/-37.1	+/-31.6
	9/16" H.S. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0
30"	3/16" Ann. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-53.8	+/-46.8	+/-45.2	+/-40.4	+/-40.4	+/-38.0
	3/16" H.S. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0
	9/16" Ann. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-54.8	+/-46.6	+/-37.1	+/-37.1	+/-31.6
	9/16" H.S. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0
36"	3/16" Ann. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-49.9	+/-46.8	+/-40.5	+/-34.0	+/-32.1	+/-28.1
	3/16" H.S. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-56.3
	9/16" Ann. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-58.8	+/-54.8	+/-46.6	+/-37.1	+/-37.1	+/-30.3
	9/16" H.S. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0
37"	3/16" Ann. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-48.5	+/-46.8	+/-40.5	+/-34.0	+/-30.9	
	3/16" H.S. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	
	9/16" Ann. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-54.8	+/-54.8	+/-44.0	+/-37.1	+/-37.1	
	9/16" H.S. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	
42"	3/16" Ann. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-48.8	+/-48.8	+/-48.5	+/-40.5	+/-38.9	+/-30.9	+/-30.9	
	3/16" H.S. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	
	9/16" Ann. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-52.2	+/-52.2	+/-52.2	+/-44.0	+/-44.0	+/-37.1	+/-37.1	
	9/16" H.S. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	
48"	3/16" Ann. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-48.8	+/-48.8	+/-48.3	+/-40.5	+/-37.9			
	3/16" H.S. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0			
	9/16" Ann. Insul.	+/-60.0	+/-60.0	+/-56.2	+/-48.5	+/-48.5	+/-45.8	+/-39.7	+/-38.8			
	9/16" H.S. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0	+/-60.0			
53-1/8"	3/16" Ann. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-48.8	+/-48.8	+/-48.3	+/-40.5				
	3/16" H.S. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-56.9	+/-54.2	+/-54.2	+/-54.2				
	9/16" Ann. Insul.	+/-60.0	+/-60.0	+/-50.5	+/-48.5	+/-48.5	+/-40.9	+/-39.7				
	9/16" H.S. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-56.9	+/-54.2	+/-54.2	+/-54.2				
54"	3/16" Ann. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-48.3	+/-48.3	+/-48.3					
	3/16" H.S. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-53.3	+/-53.3	+/-53.3					
	9/16" Ann. Insul.	+/-50.5	+/-50.5	+/-50.5	+/-40.9	+/-40.9	+/-40.9					
	9/16" H.S. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-53.3	+/-53.3	+/-53.3					
60"	3/16" Ann. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-48.3	+/-48.3	+/-48.3					
	3/16" H.S. Mono.	+/-60.0	+/-60.0	+/-60.0	+/-48.3	+/-48.3	+/-48.3					
	9/16" Ann. Insul.	+/-45.8	+/-45.8	+/-45.8	+/-36.8	+/-36.8	+/-36.8					
	9/16" H.S. Insul.	+/-60.0	+/-60.0	+/-60.0	+/-48.3	+/-48.3	+/-48.3					

- NOTES:
1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-16 (3 SEC. GUSTS)
2. FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR LENGTH DIMENSION SHOWN ON THE TABLE.



3/16" MONO. GLASS



9/16" OVERALL INSUL. GLASS

GLAZING OPTIONS

NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

FL#32389.2

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MA	drawn by:	JA-1844-24	BS	check by:	12/30/2024
REVISION					
DESCRIPTION		BY	DATE		
		No.			

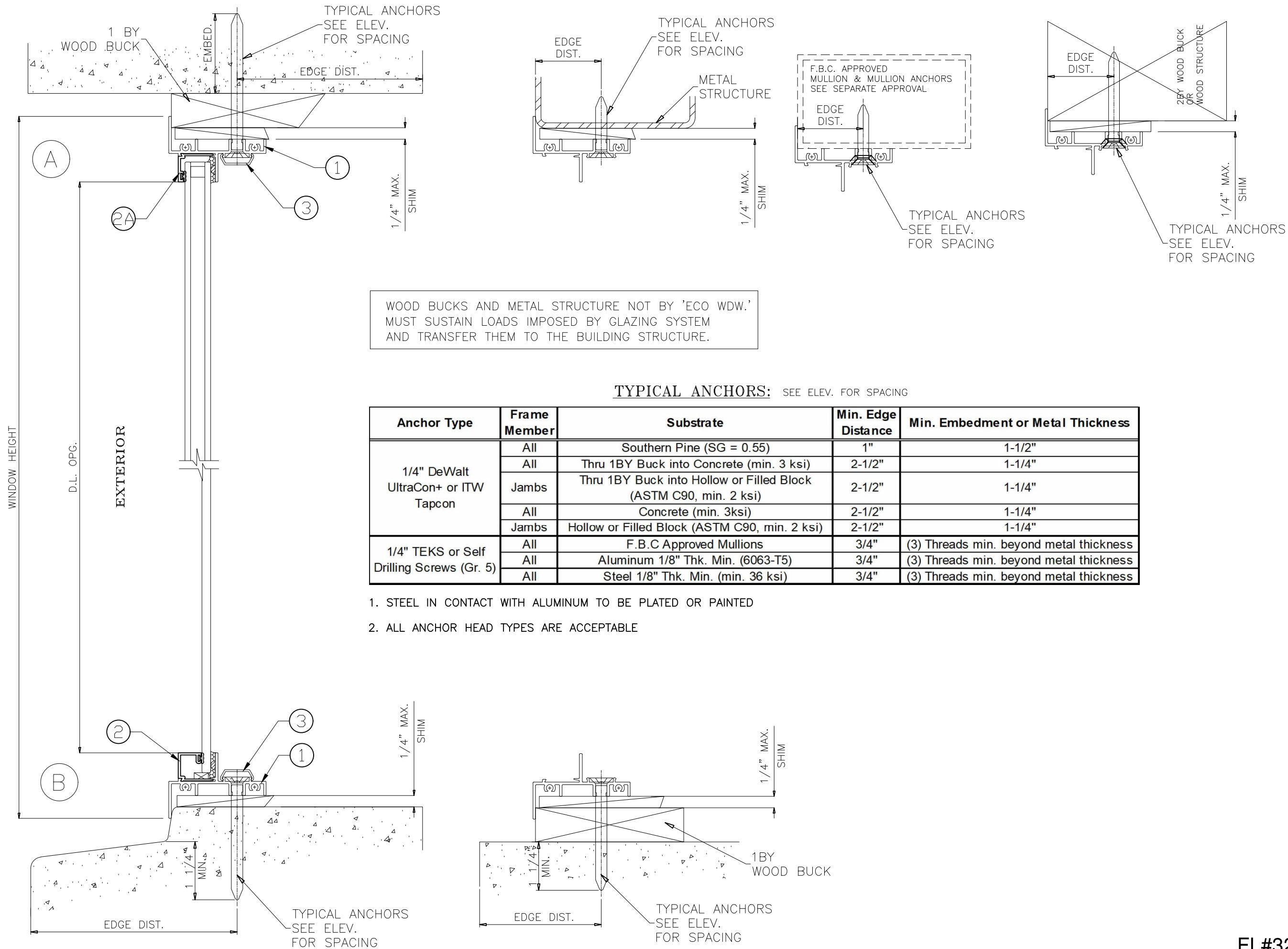
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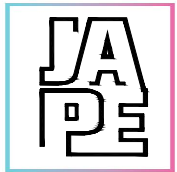


WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
1/4" DeWalt UltraCon+ or ITW Tapcon	All	Southern Pine (SG = 0.55)	1"	1-1/2"
	All	Thru 1BY Buck into Concrete (min. 3 ksi)	2-1/2"	1-1/4"
	Jambs	Thru 1BY Buck into Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-1/4"
	All	Concrete (min. 3ksi)	2-1/2"	1-1/4"
	Jambs	Hollow or Filled Block (ASTM C90, min. 2 ksi)	2-1/2"	1-1/4"
1/4" TEKS or Self Drilling Screws (Gr. 5)	All	F.B.C Approved Mullions	3/4"	(3) Threads min. beyond metal thickness
	All	Aluminum 1/8" Thk. Min. (6063-T5)	3/4"	(3) Threads min. beyond metal thickness
	All	Steel 1/8" Thk. Min. (min. 36 ksi)	3/4"	(3) Threads min. beyond metal thickness

- 1. STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED
- 2. ALL ANCHOR HEAD TYPES ARE ACCEPTABLE



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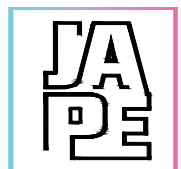
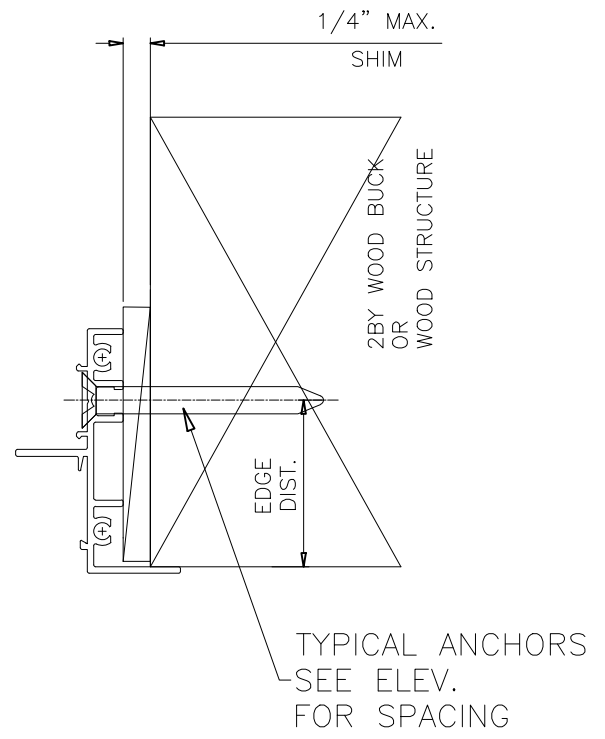
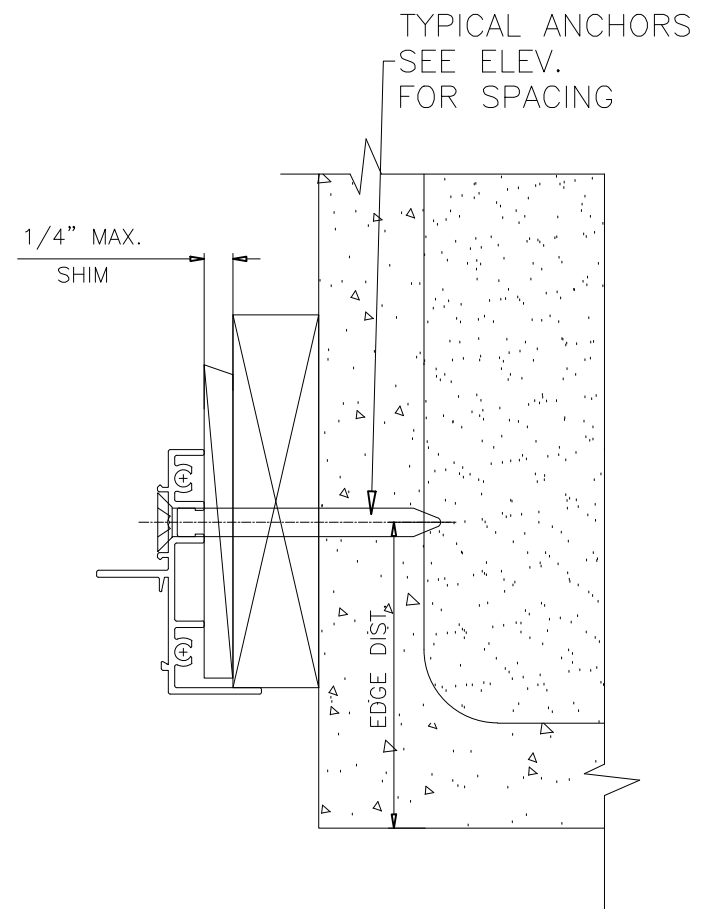
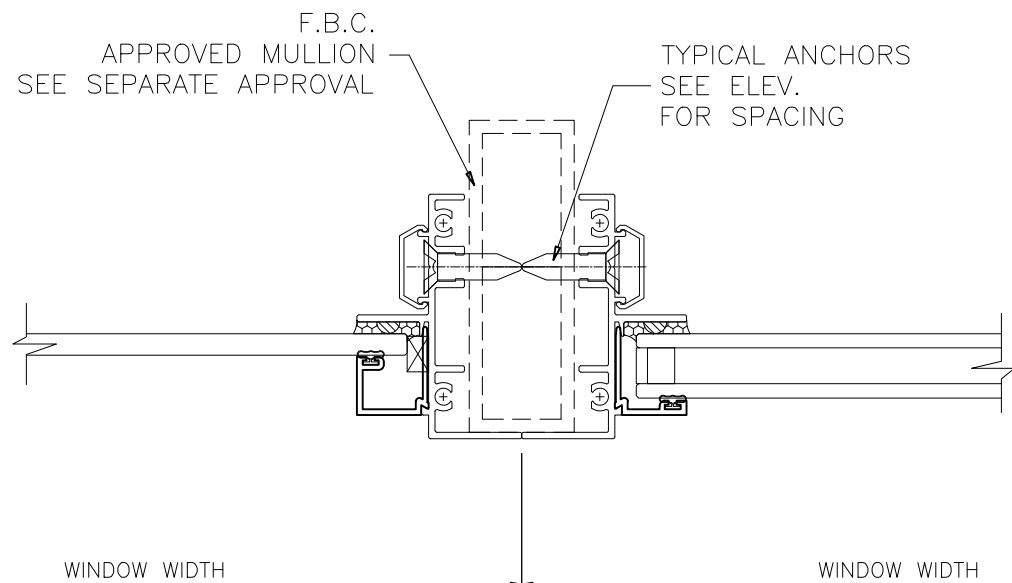
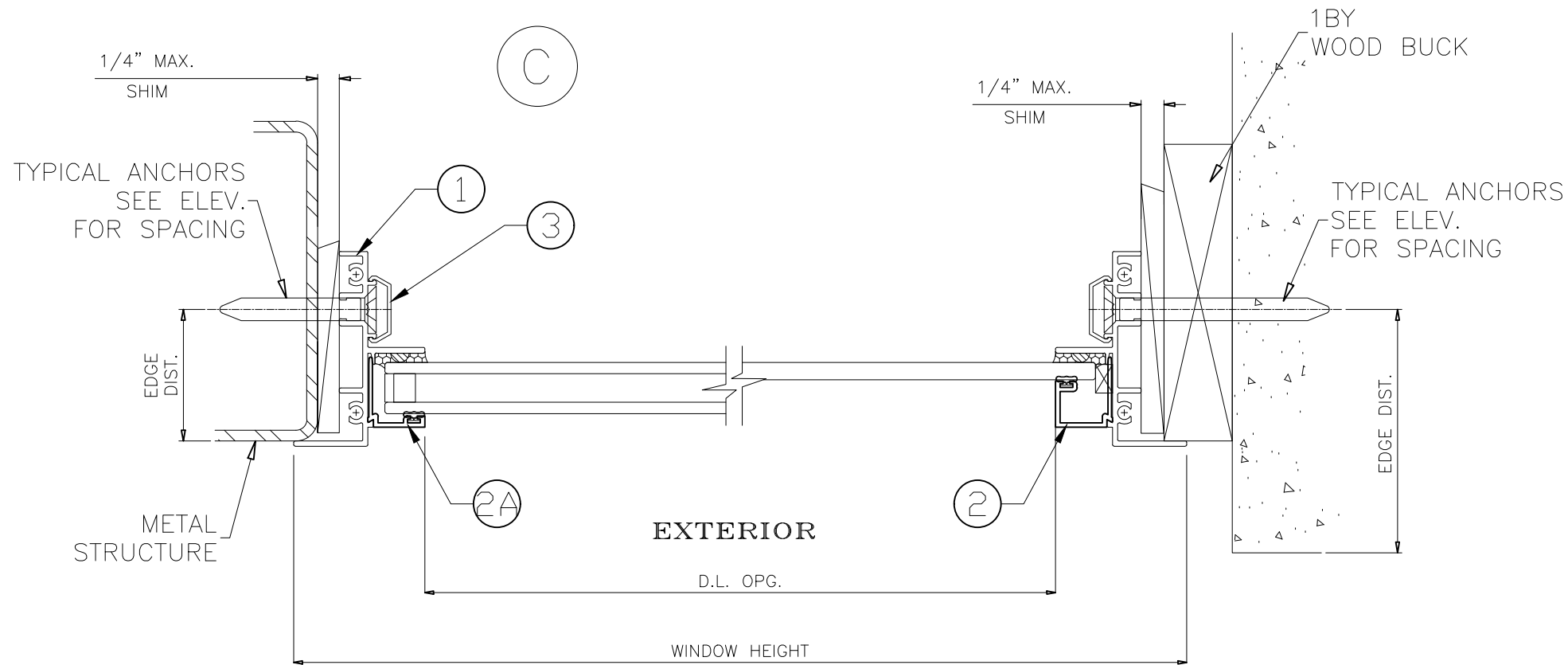
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date:	JA-1844-24	check by:	12/30/2024
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JAVAD AHMAD
LICENSE
No 70592
STATE OF FLORIDA
PROFESSIONAL ENGINEER
SEALED: 12/30/2024

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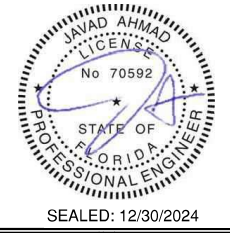
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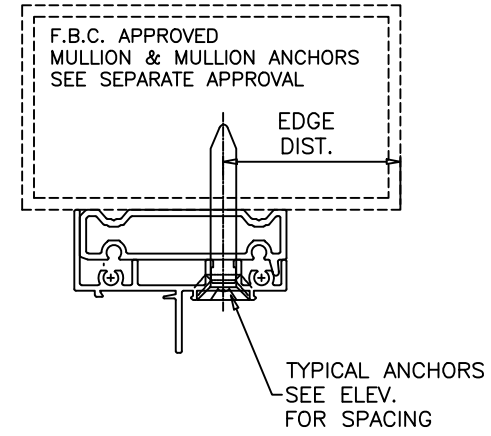
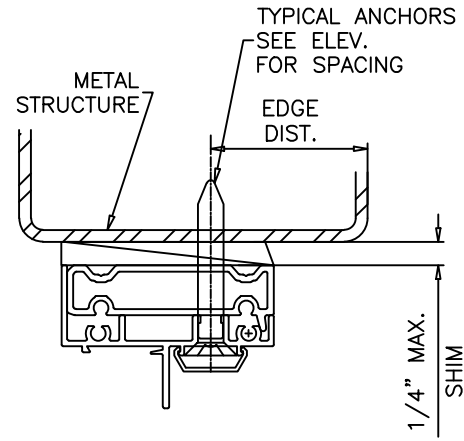
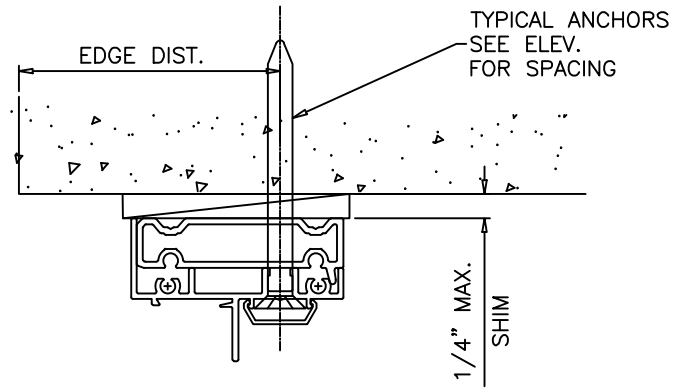
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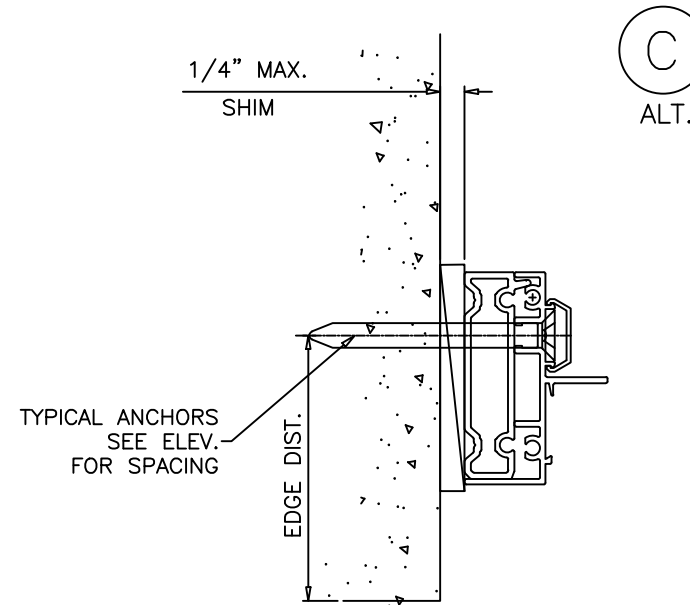
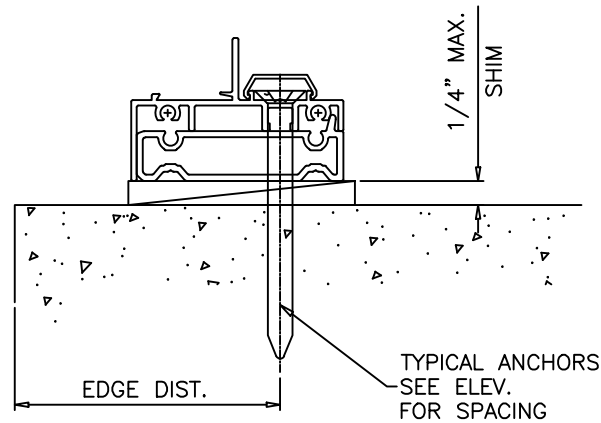


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A
ALT.



B
ALT.



C
ALT.

INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

FL#32389.2



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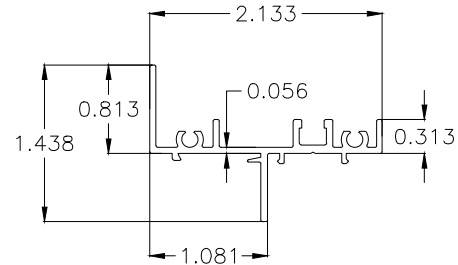
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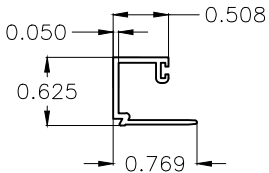
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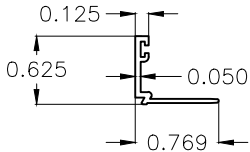


1 WINDOW FRAME

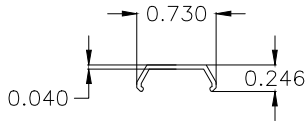
ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E71	4	WINDOW FRAME	6063 – T6	–
2	E77	4	GLAZING BEAD (3/16” MONOLITHIC GLASS)	6063 – T6	–
2A	E78	4	GLAZING BEAD (9/16” INSUL. GLASS)	6063 – T6	–
3	E162	AS REQD.	SCREW COVER	RIGID PVC	–
4	E203	AS REQD.	GLAZING BEAD BULB	SANTOPRENE	ULTRAFAB, DUROMETER 65±5
5	FLB–50	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE
6	–	2/LITE	SETTING BLOCK	EPDM	DUROMETER 80±5 SHORE A
7	#8 X 1”	AS REQD.	FRAME ASSEMBLY SCREWS	ST/ST	P.H. SMS
9	E60	–	FLUSH FRAME ADAPTER	6063 – T6	OPTIONAL



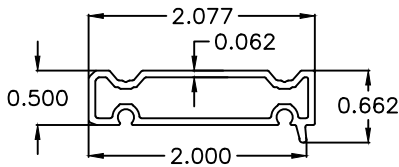
2 (3/16” MONOLITHIC GLASS)



2A (9/16” INSUL. GLASS)



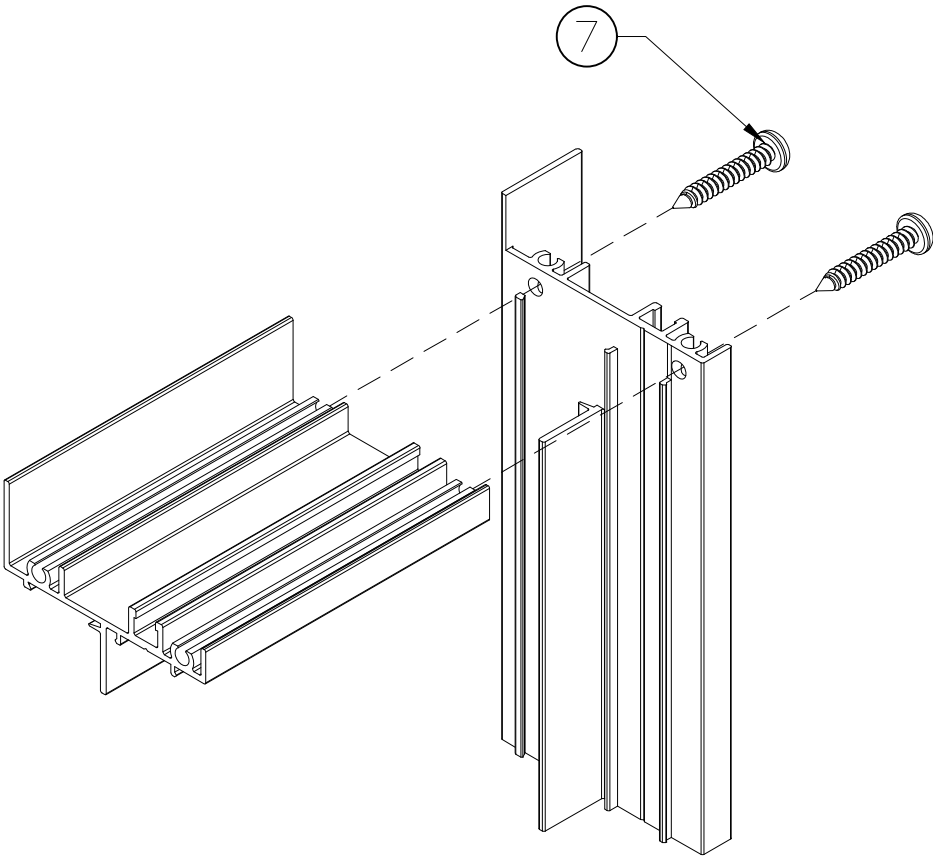
3 SCREW COVER



9 FLUSH FRAME ADAPTER

SEALANT:

ALL JOINT AND FRAME CONNECTIONS SEALED WITH JOINT SEALER.



FRAME CORNER



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