

SERIES-620FS
ALUMINUM FIXED WINDOW

SEE SHEET 2 FOR SINGLE WINDOW DESIGN LOAD CAPACITIES.
FOR FIXED/FIXED COMBINATIONS IN MODULES OF TWO OR MORE WINDOWS
USING 'H' MULLION IN BETWEEN SEE CHART ON SHEET 6.
LOWER DESIGN PRESSURE FROM WINDOW OR MULLION CHART WILL APPLY
TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY
HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE
DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS
TO THE BUILDING STRUCTURE

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS
AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE
MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

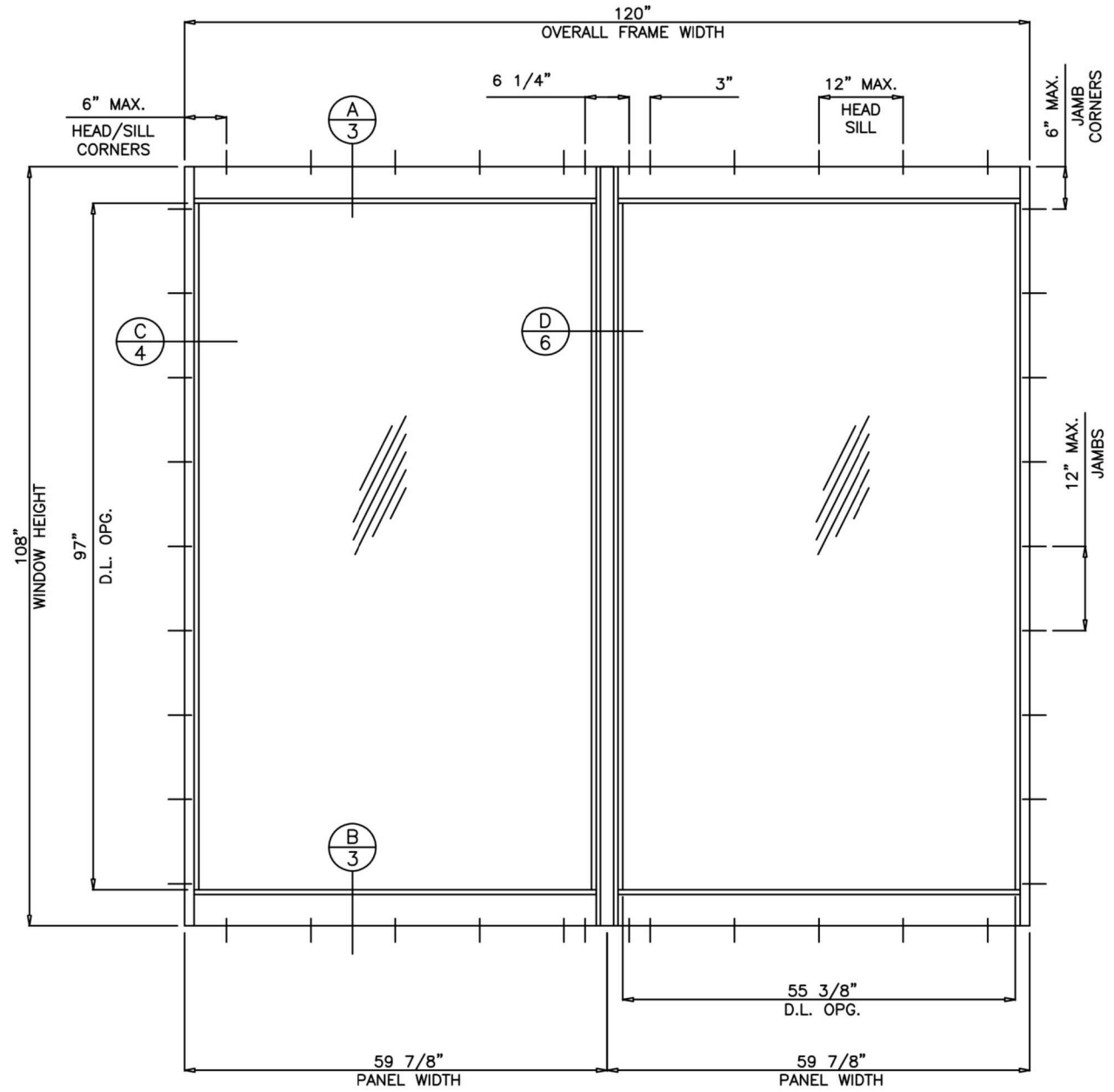
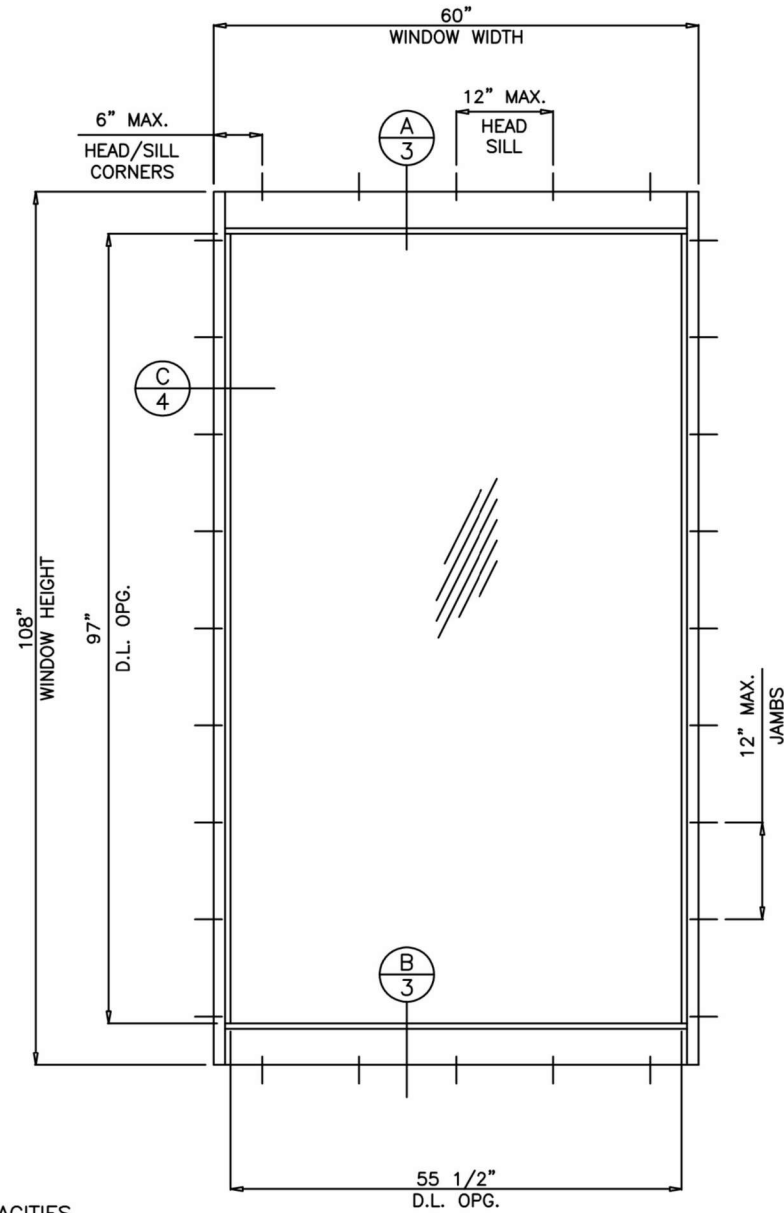
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR
A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF
STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,
AND TO BE REVIEWED BY BUILDING OFFICIAL

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



TYPICAL ELEVATION
TESTED UNITS

ALL TEMPERED AND/OR LAMINATED GLASS OPTIONS
IN THIS APPROVAL HAVE BEEN CERTIFIED BY THE
SGCC FOR COMPLIANCE TO ANSI Z97.1, CLASS A
AND CPSC 16 CFR 1201, CATEGORY II. THIS
INCLUDES LAMINATED GLASS THAT IS MANUFACTURED
WITH ANNEALED GLASS PLIES. FOR APPLICATIONS
WHERE THE WINDOW IS BEING USED AS A GUARD,
HEAT STRENGTHENED OR TEMPERED LAMINATED
GLASS MUST BE USED.

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

DAYLITE OPENING
D.L.O. WIDTH = FRAME WIDTH - 4.50"
D.L.O. HEIGHT = FRAME HEIGHT - 11.00"

FL#32389.10



JAVAD AHMAD PE, inc
7875 NW 12th St., Suite 102 Doral,
FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

drawing no.	date:	JA-1844-24	12/30/2024	MA	BS
revision	description	by	date	no.	date

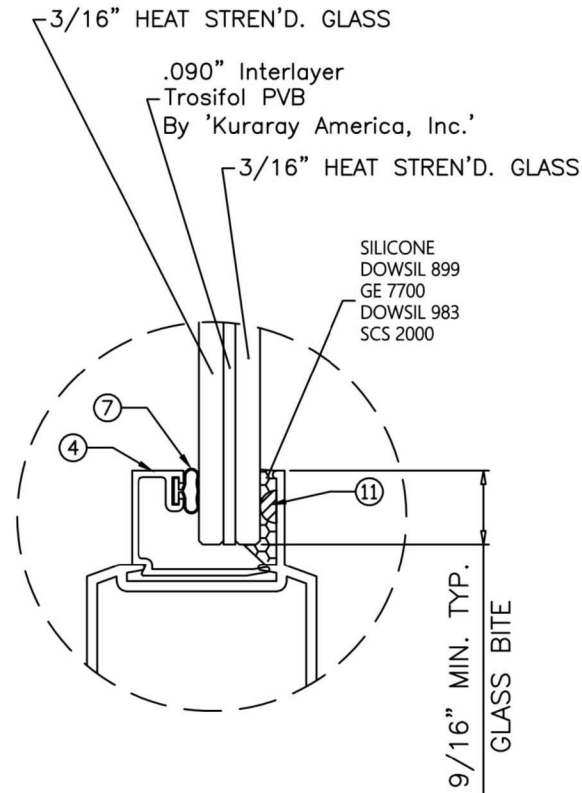
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(L.M.I.)
LARGE MISSILE IMPACT RATED



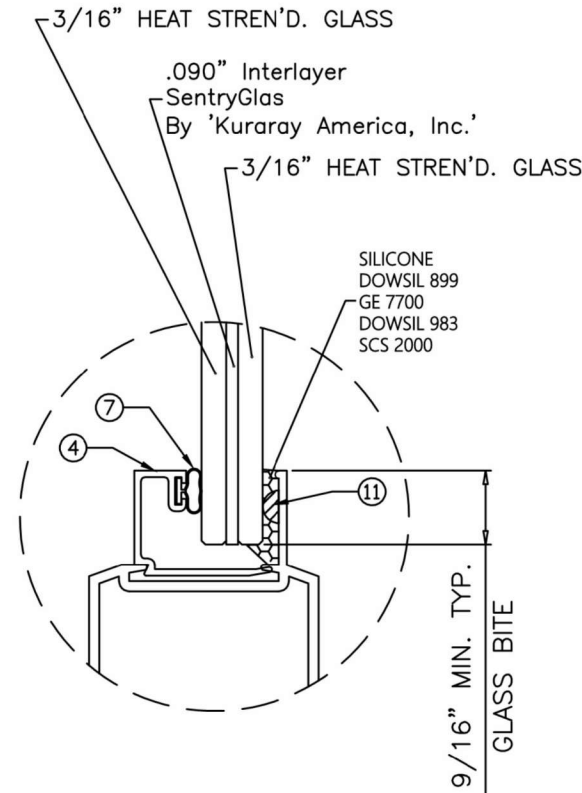
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-5299 FAX. (305) 885-5902



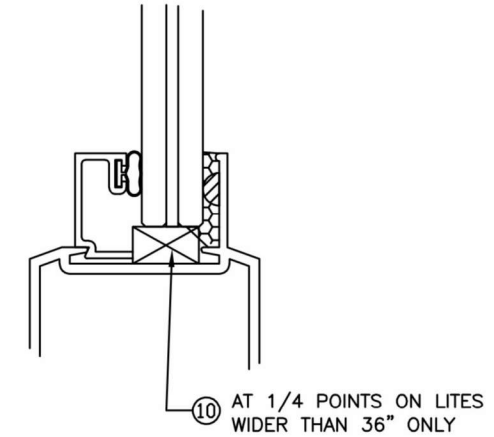
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GLASS TYPE 'A'
7/16" NOM. LAM. GLASS

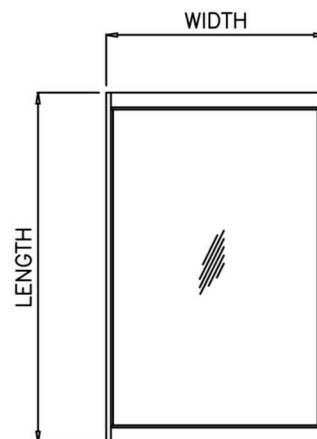


GLASS TYPE 'B'
7/16" NOM. LAM. GLASS



SETTING BLOCKS AT LAM. GLASS NOTCH GLAZING BEAD LEG TO CLEAR BLOCKS

GLAZING OPTIONS



Design Load Capacity - PSF									
Glass Types 'A' & 'B'		Window Length (L)							
		90"		96"		102"		108"	
Window Width (W)	36"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	42"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	48"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	54"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	60"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	66"	+54.5	-54.5	+54.5	-54.5				
	72"	+50.0	-50.0						

NOTES:

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



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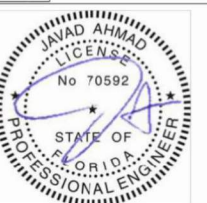
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LARGE MISSILE IMPACT RATED



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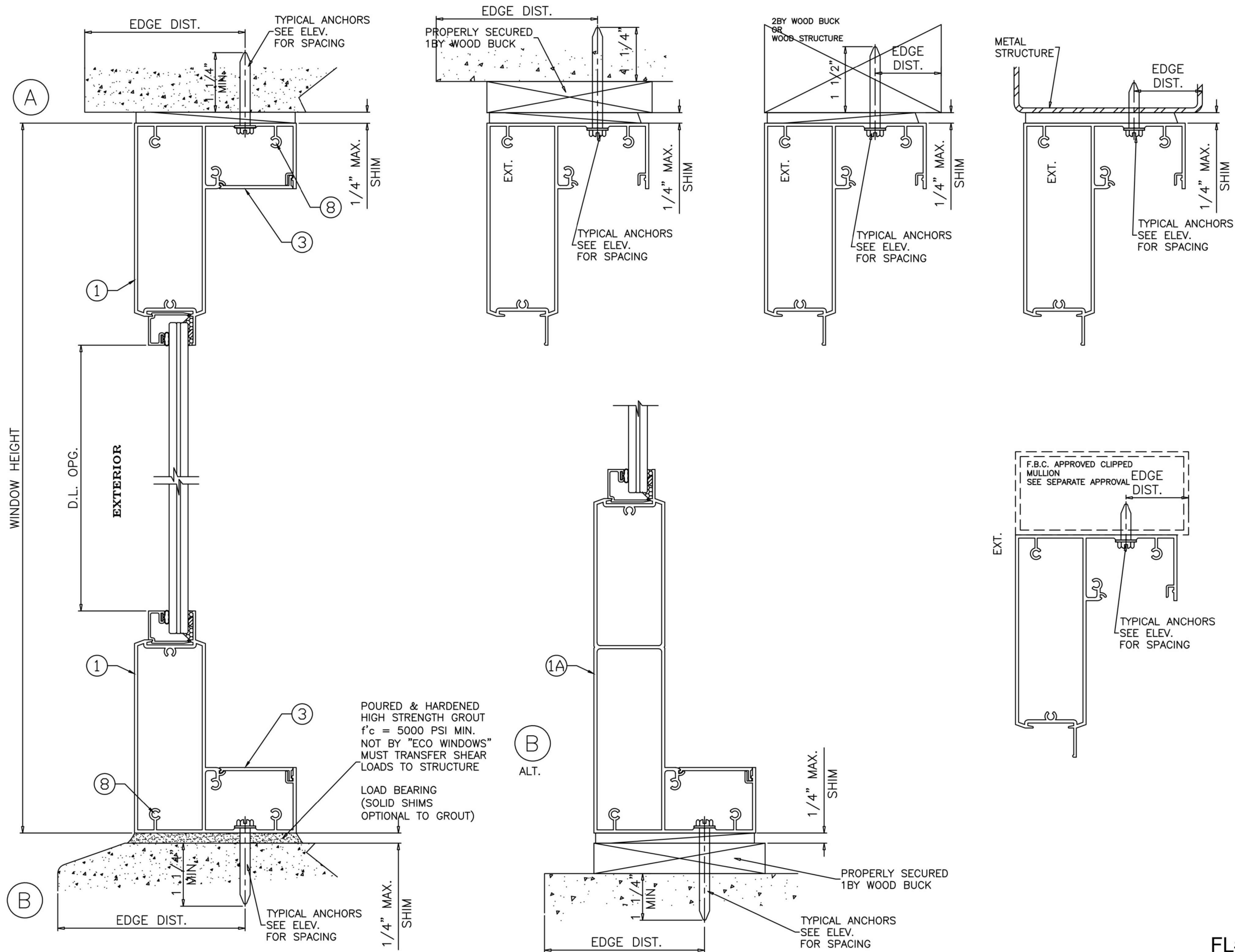


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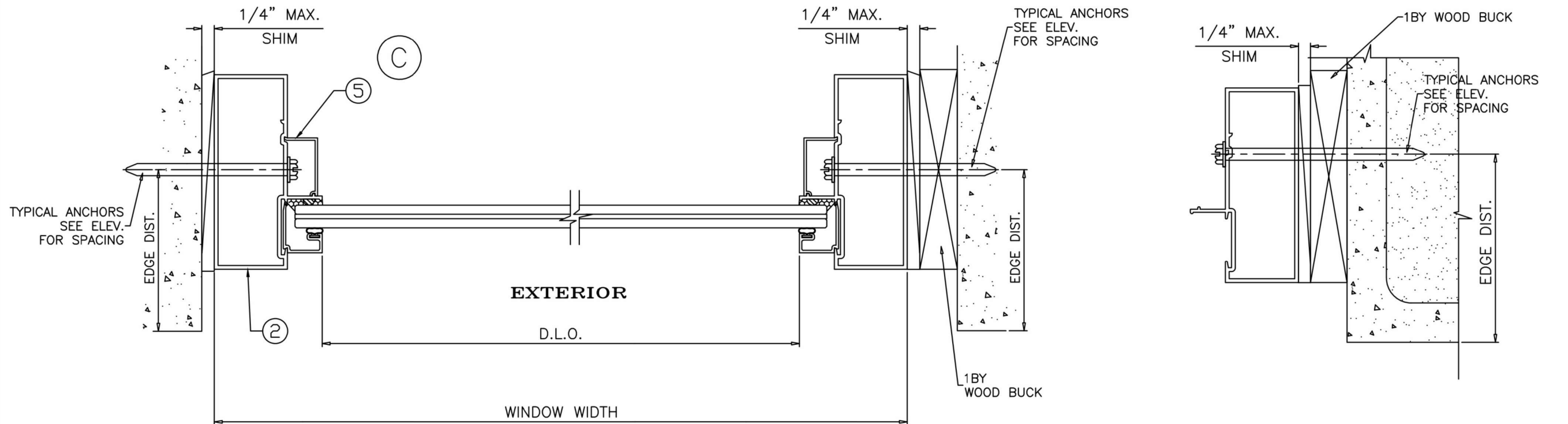
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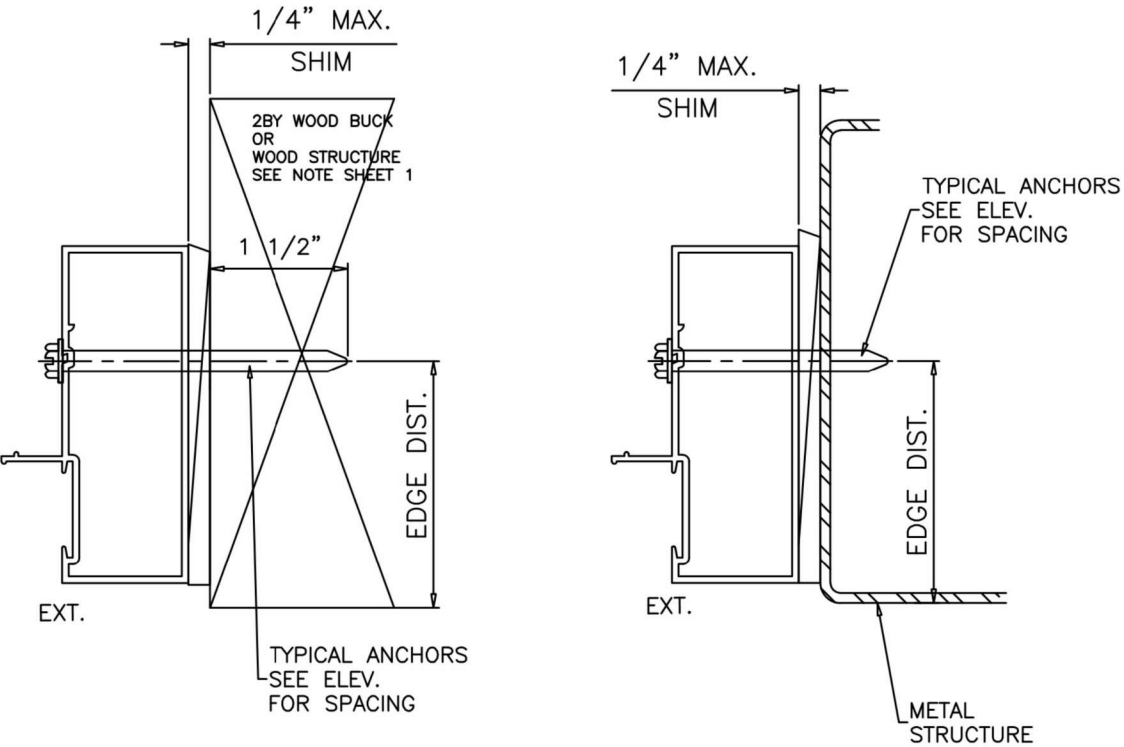


1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
1/4" DeWalt UltraCon +	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

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



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SEALANT:

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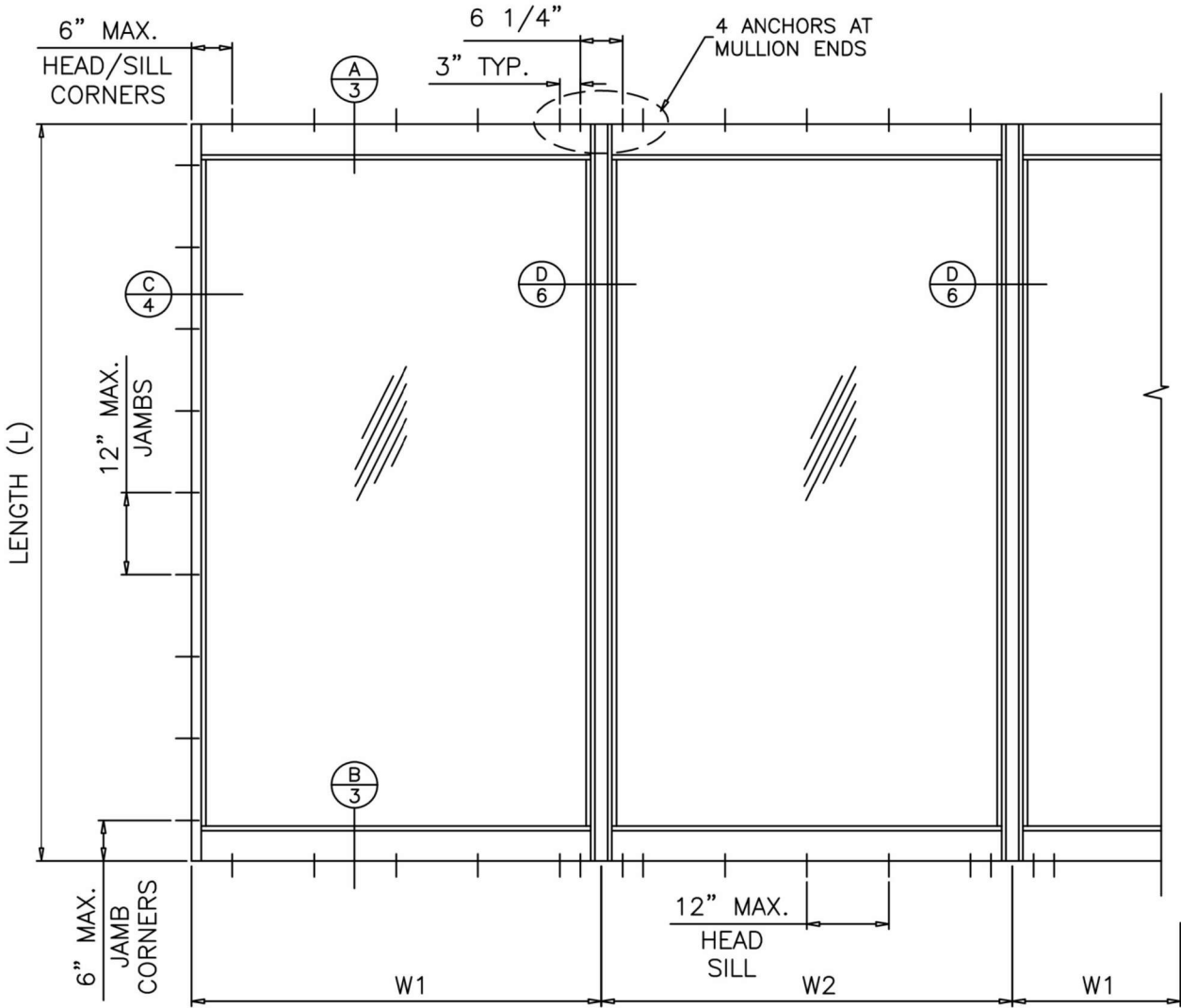
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Mullion Load Capacity - PSF									
H' Mullion		Length (L)							
		90"		96"		102"		108"	
Width (W)	36"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	42"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	48"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	54"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	60"	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	66"	+60.0	-60.0	+60.0	-60.0				
	72"	+60.0	-60.0						

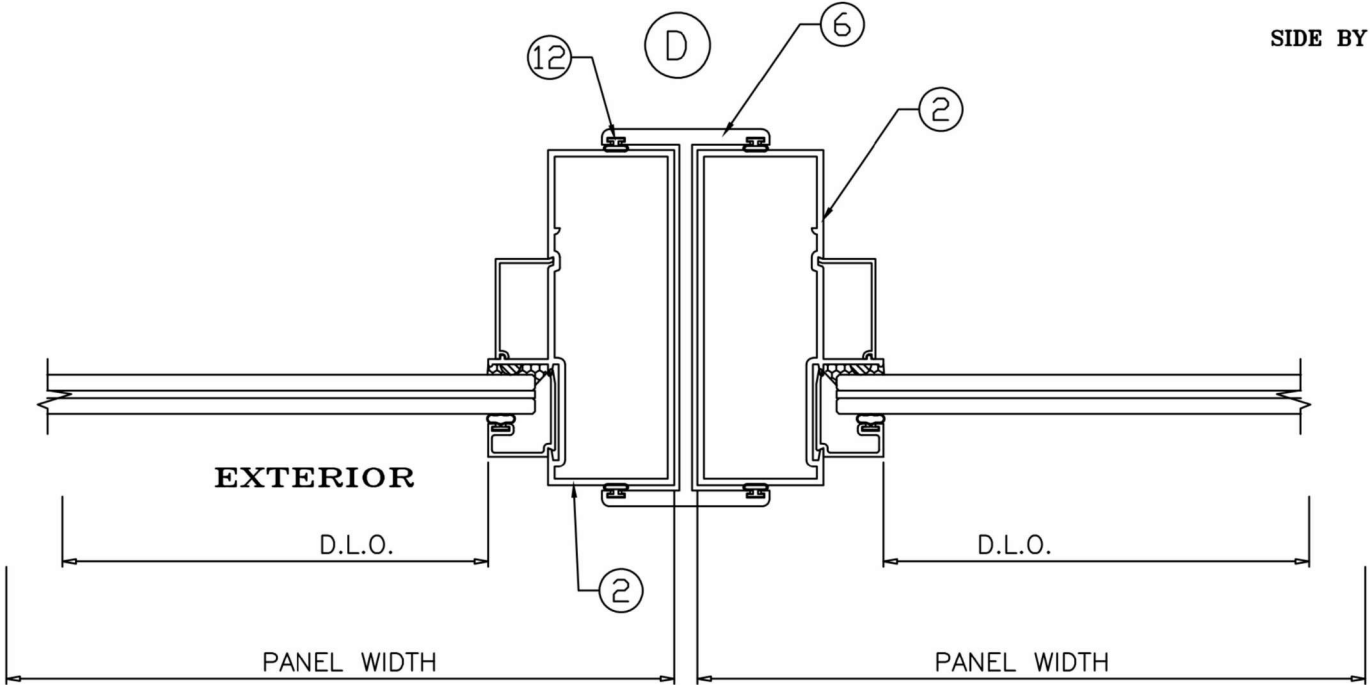
NOTES:
 1. USE CHART ON THIS SHEET FOR SIDE BY SIDE CONNECTION CAPACITY OF WINDOW MULLION.
 2. FOR FIXED WINDOW CAPACITY SEE SHEET 2.
 3. LOWER VALUE FROM STEPS 1 OR 2 WILL APPLY TO ENTIRE SYSTEM.
 4. FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR LENGTH DIMENSION SHOWN ON THE TABLE.



TYPICAL ELEVATIONS

SIDE BY SIDE WINDOWS
 SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



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