

ARCADIA CUSTOM

TSX1000 3.0 FIXED WINDOW

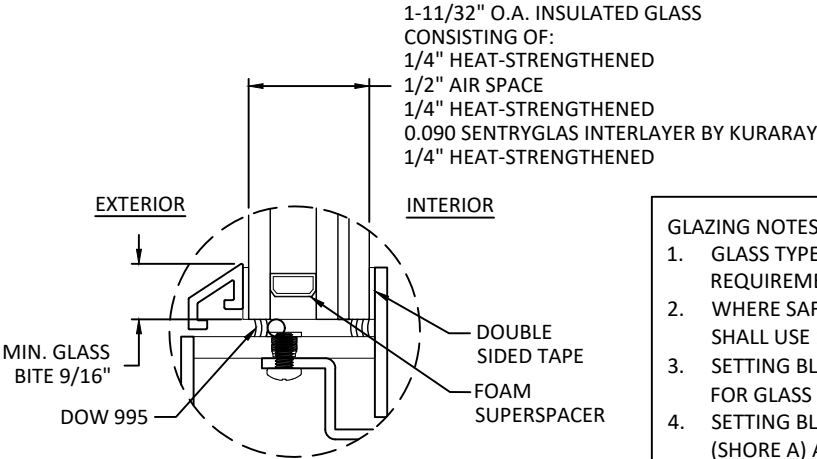
(IMPACT) (WZ3)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
 - ASTM E1886-13a
 - ASTM E1996-14a
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.
3. 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.
4. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN WIND ZONES 3 OR LESS.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN WIND ZONE 4.
7. FRAME MATERIAL: STAINLESS STEEL
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.

MAX OVERALL SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE PRESSURE TABLE ON PAGE 2-3	SEE PRESSURE TABLE ON PAGE 2-3	LMI/SMI

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GLAZING NOTES:

1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS .
2. WHERE SAFETY GLAZING IS REQUIRED SACRIFICIAL LITE SHALL USE 1/4" TEMPERED GLASS.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
4. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.



ARCADIA CUSTOM
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PH: (520) 284-2061 FX: (520) 349-1964

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(IMPACT) (NON-HVHZ)

GENERAL NOTES & GLAZING DETAIL

PREPARED BY: BUILDING DROPS, INC.

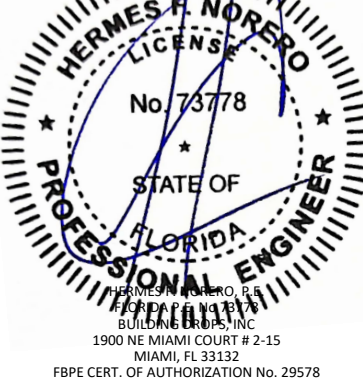
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WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.08.19 15:03:24 -0400



FL#:

FL28910

DATE: 08.13.25

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SCALE: NTS

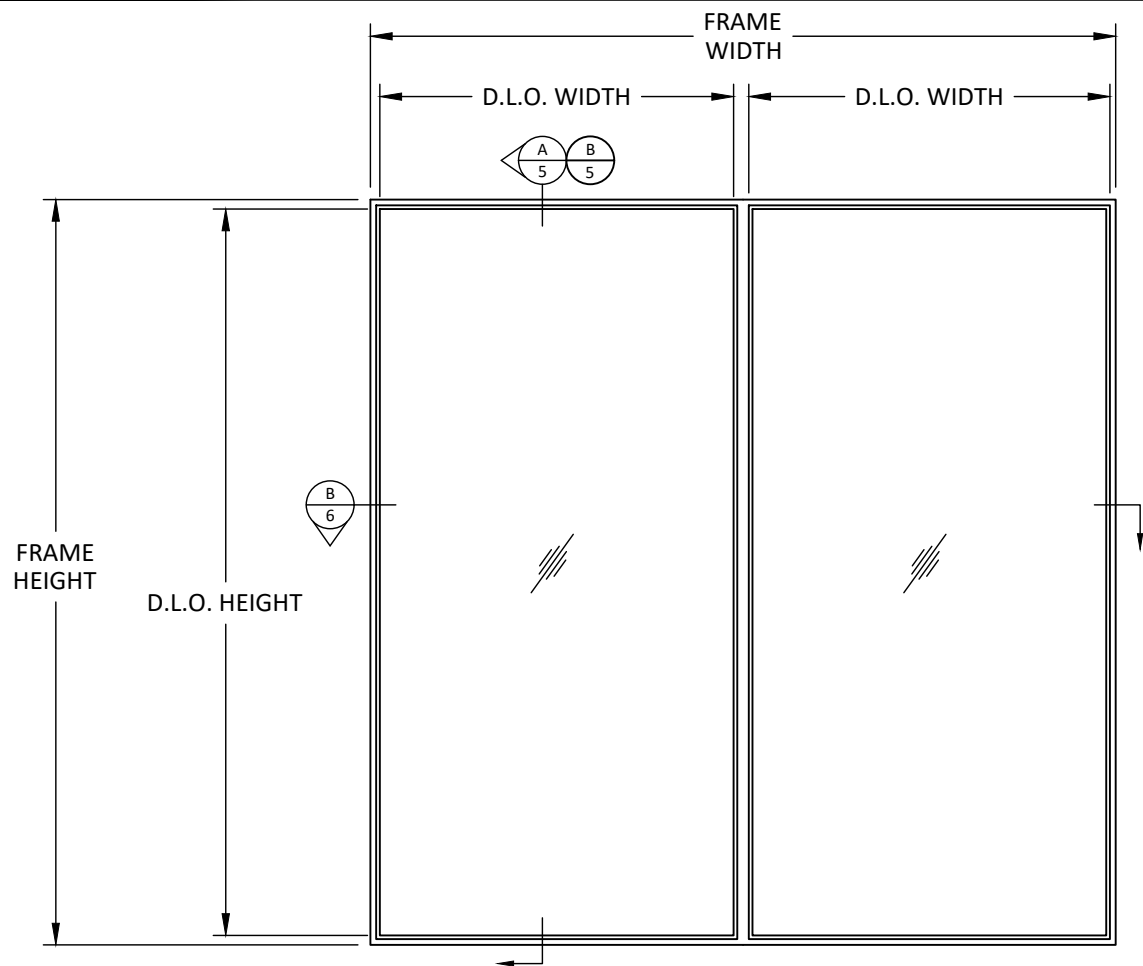
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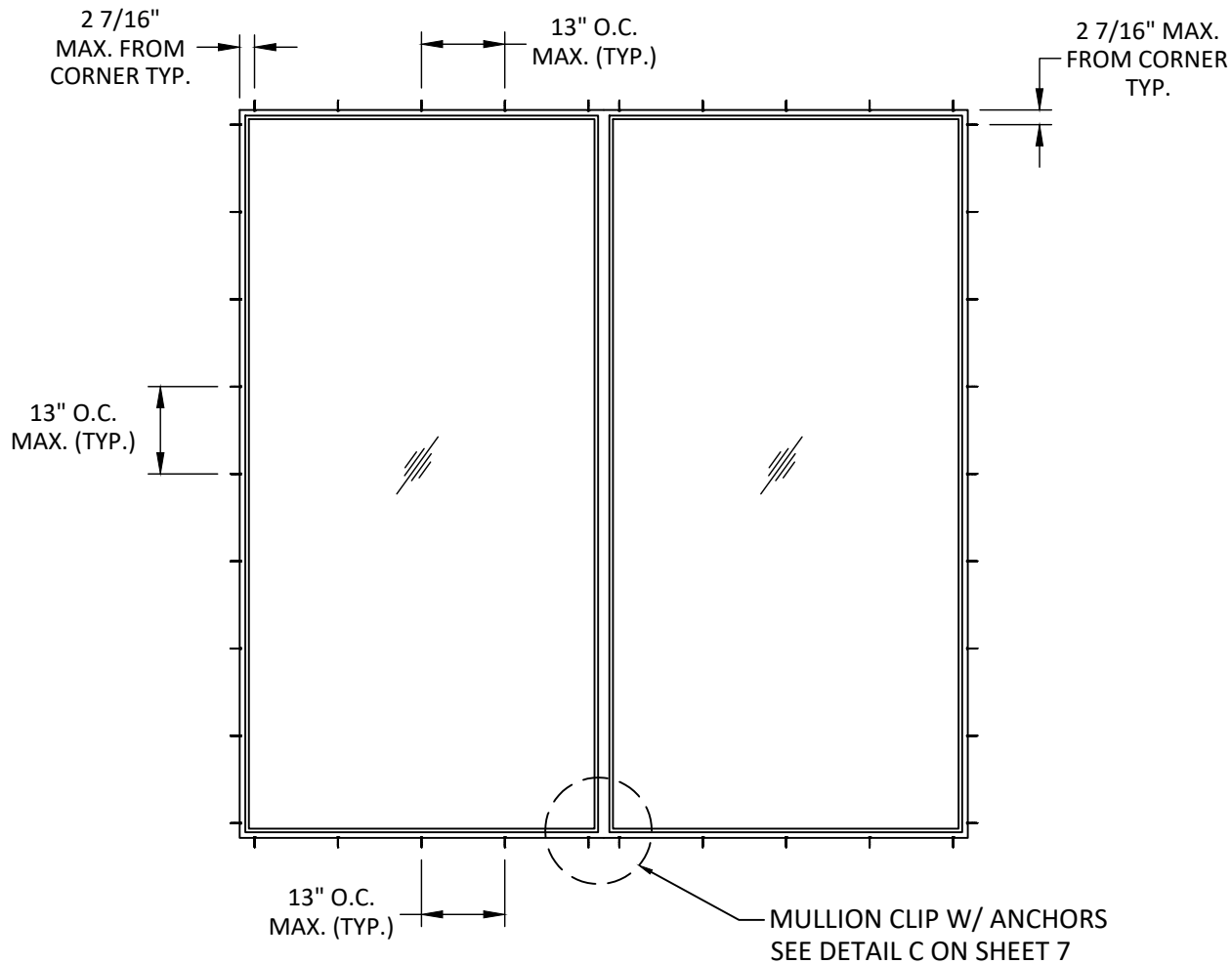
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ELEVATION
FIXED MULLED WINDOW



ANCHOR LAYOUT
CLIP OR U-CHANNEL AT SILL

NOTE:
D.L.O. HEIGHT = FRAME HEIGHT - 3.25"
D.L.O. WIDTH = FRAME WIDTH/2 - 3.115"

DESIGN PRESSURE TABLE (PSF) - DOUBLE CONFIGURATION													
FRAME WIDTH (INCHES)													
FRAME HEIGHT (INCHES)		84	96	108	120.5	132	144	156	168	180	192	204	216
	48	70.0	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.7	61.5	60.4
	54	70.0	62.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.7
	60	70.0	62.8	55.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
	66	70.0	62.8	55.8	50.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
	72	70.0	62.8	55.8	50.0	45.6	41.8	41.8	41.8	41.8	41.8		
	78	70.0	62.8	55.8	50.0	45.6	41.8	38.6	38.6	38.6			
	84	70.0	62.8	55.8	50.0	45.6	41.8	38.6	35.9				
	90	70.0	62.8	55.8	50.0	45.6	41.8	38.6					
	96	68.8	62.7	55.8	50.0	45.6	41.8						
	102	67.6	61.5	55.8	50.0	45.6							
	108	66.7	60.4	55.7	50.0	45.6							
	114	65.9	59.5	54.7	50.0								
	120	65.1	58.8	53.9	50.0								
	126	62.0	54.2	48.2									
	132	53.9	47.2	41.9									
138	47.2	41.3											
144	41.5	36.3											



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(IMPACT) (NON-HVHZ)
ELEVATION & ANCHOR LAYOUT

PREPARED BY:
BUILDING DROPS, INC.
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FBPE CERT. OF AUTHORIZATION No. 29578

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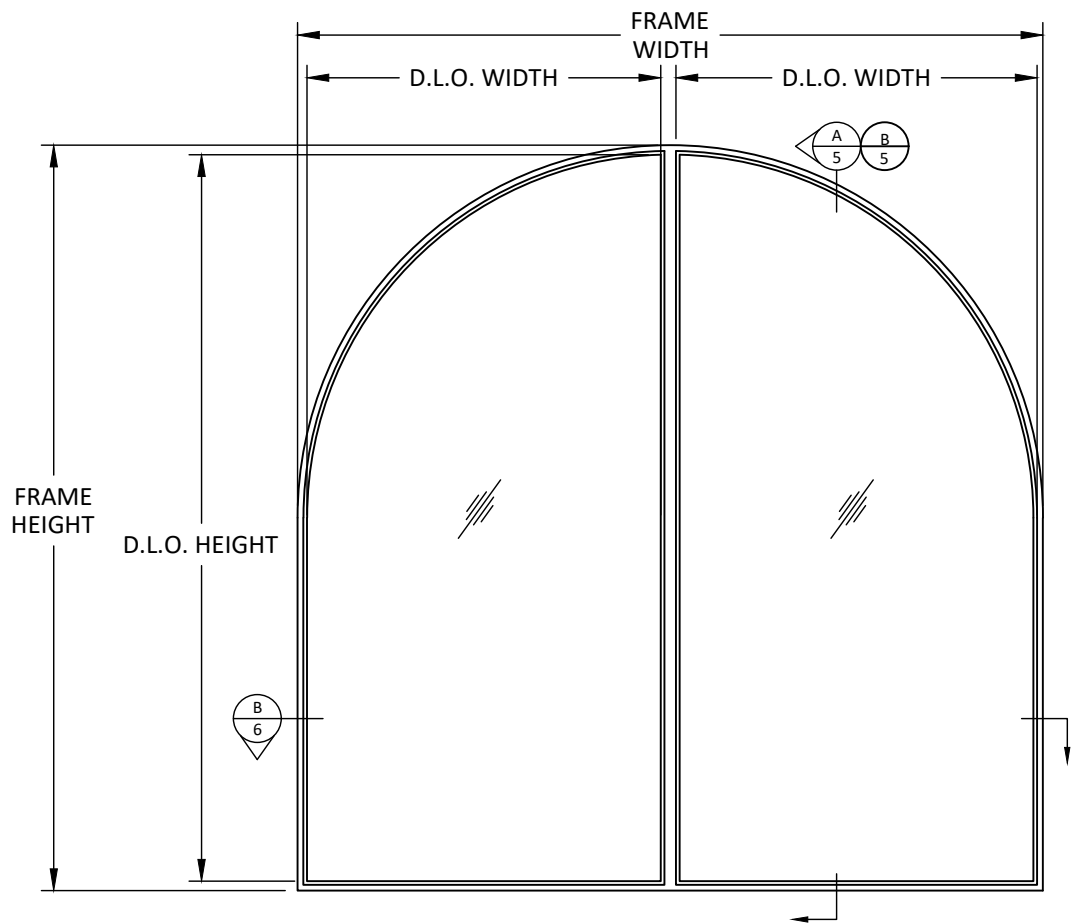
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SCALE: **NTS**

DWG. #: **ACWD014**

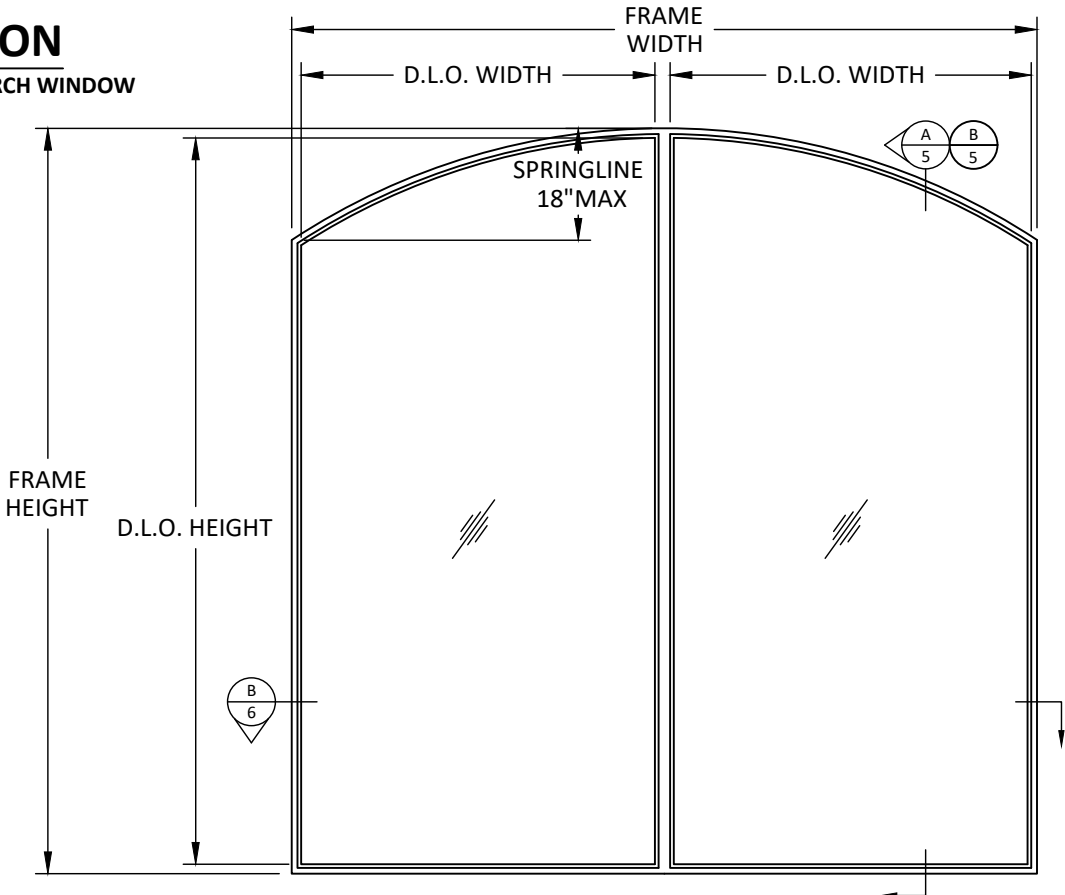
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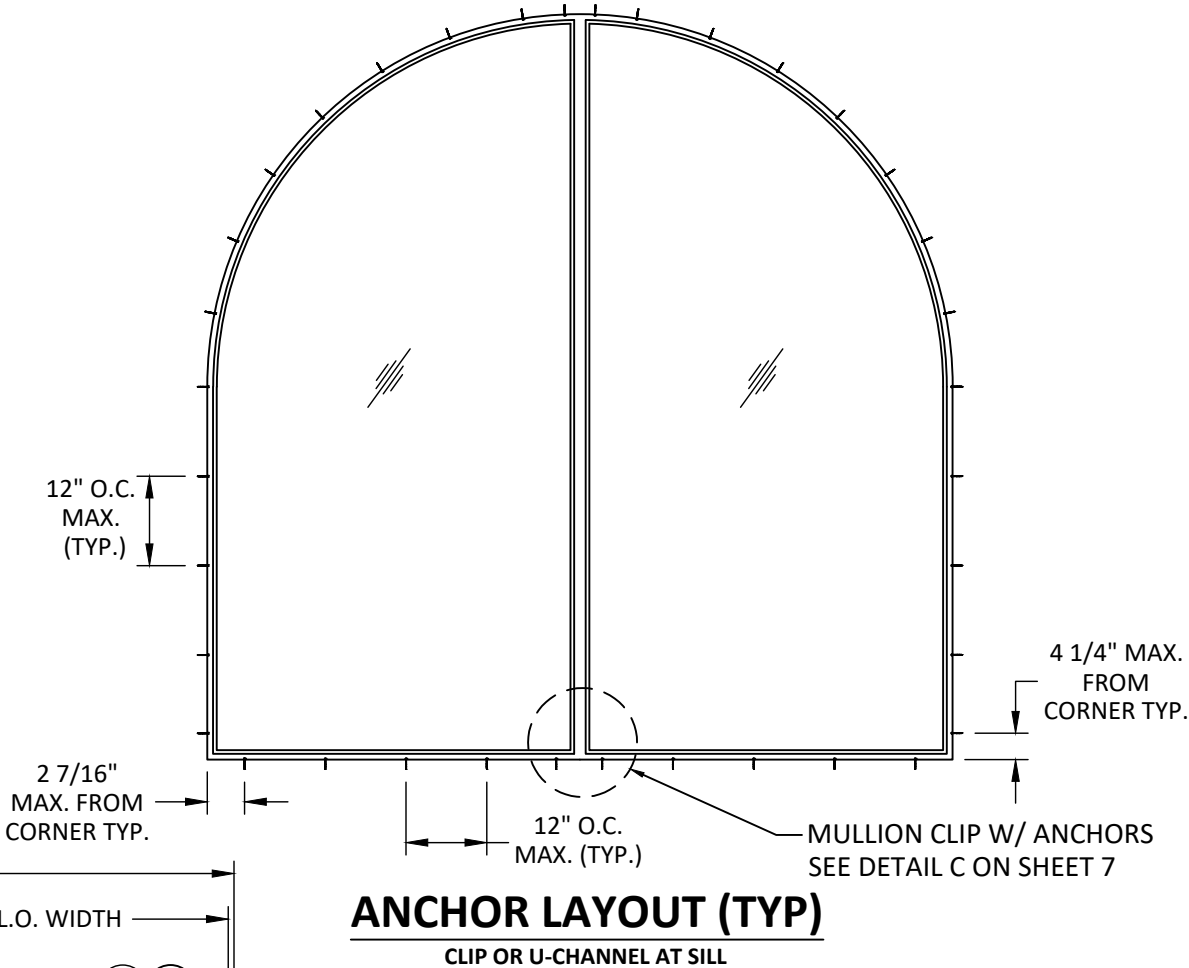


ELEVATION
FIXED MULLED TRUE ARCH WINDOW

NOTE:
D.L.O. HEIGHT = FRAME HEIGHT - 3.25"
D.L.O. WIDTH = FRAME WIDTH/2 - 3.115"



ELEVATION
FIXED MULLED FLAT TOP ARCH WINDOW



ANCHOR LAYOUT (TYP)
CLIP OR U-CHANNEL AT SILL



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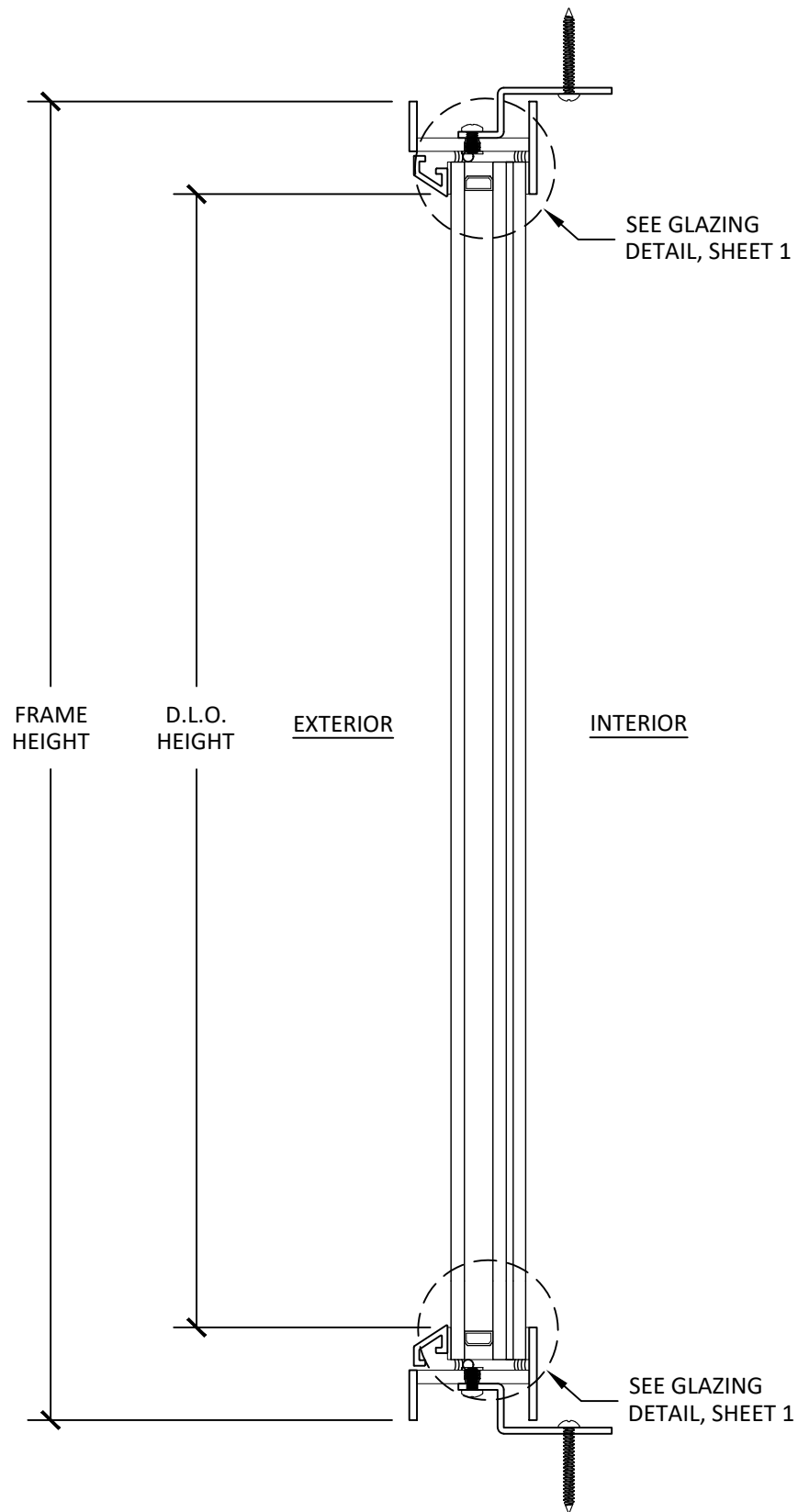
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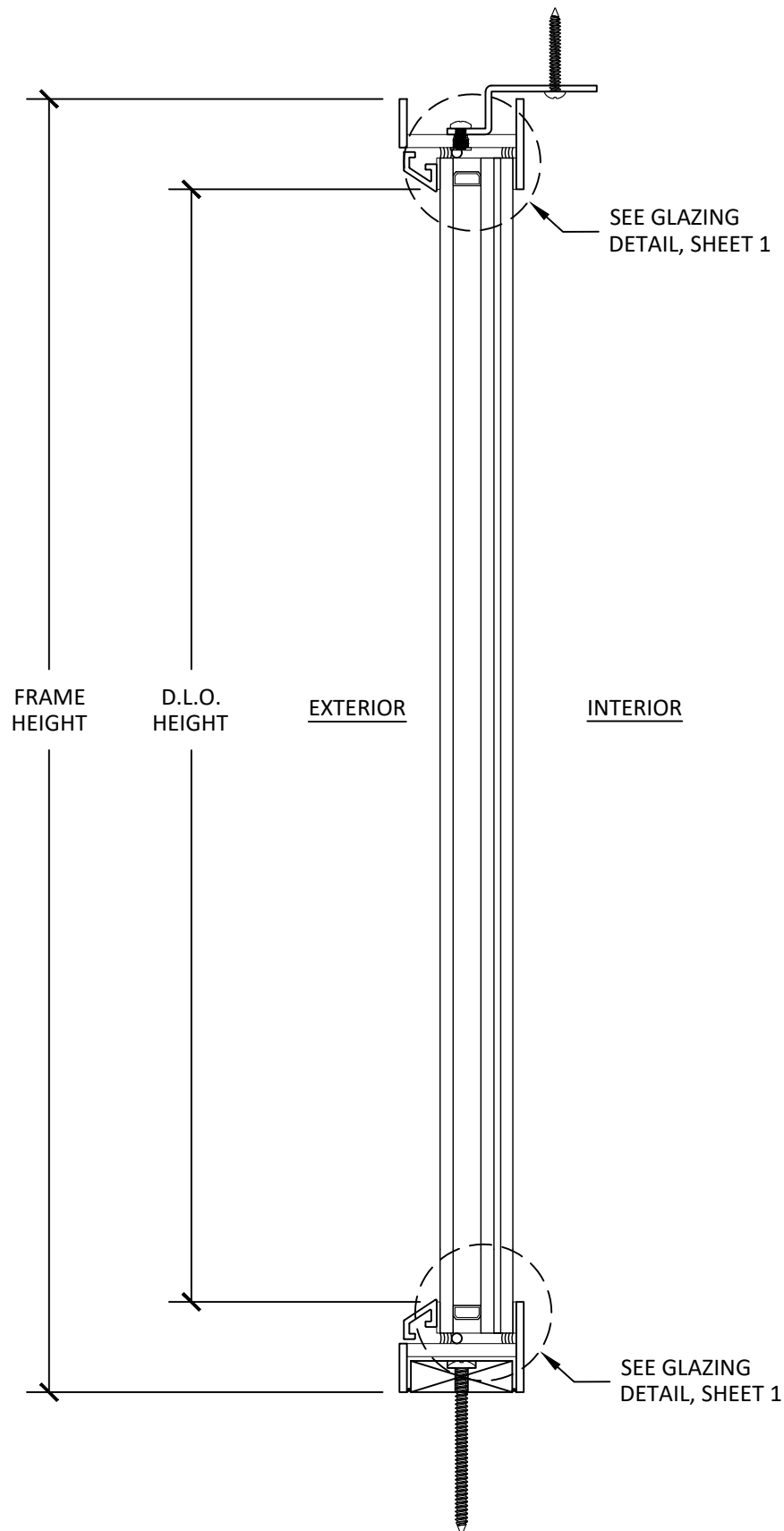


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A
5 **VERTICAL SECTION**
CLIP



B
5 **VERTICAL SECTION**
U-CHANNEL AT SILL - CLIP AT HEAD



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VERTICAL SECTIONS

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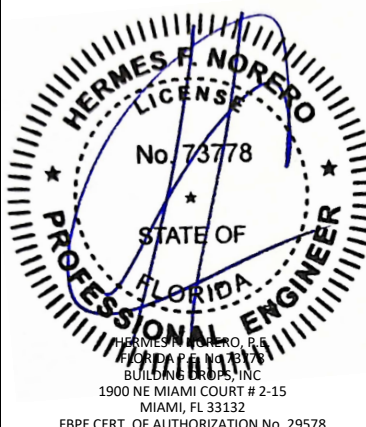
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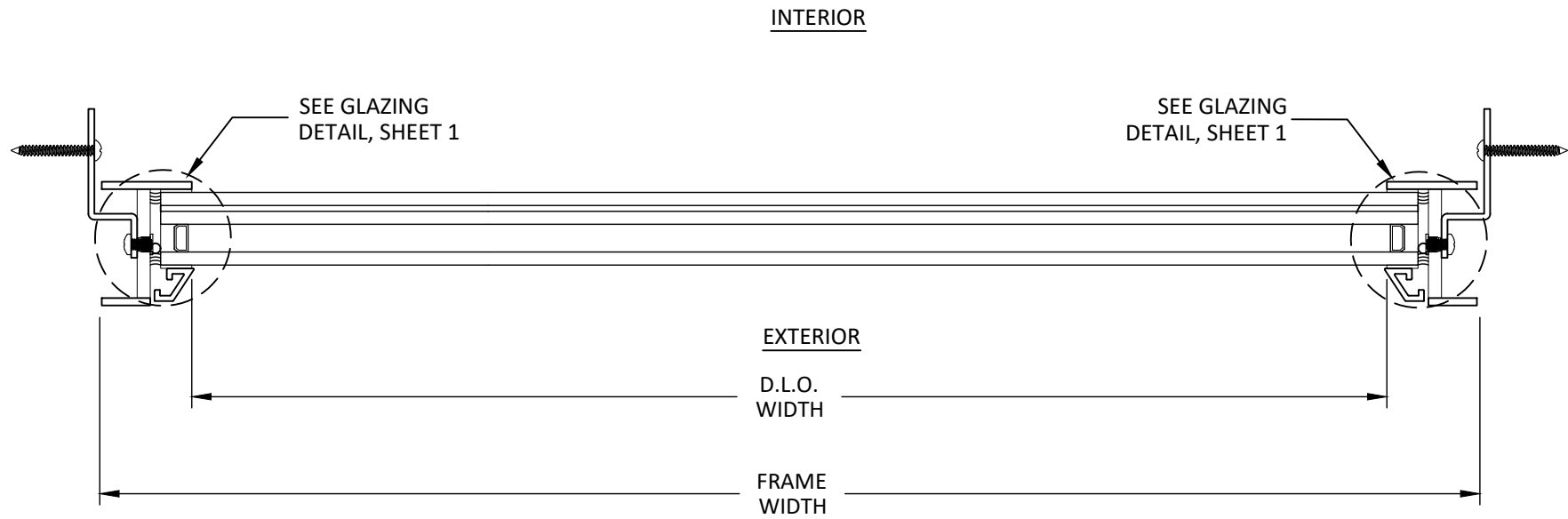
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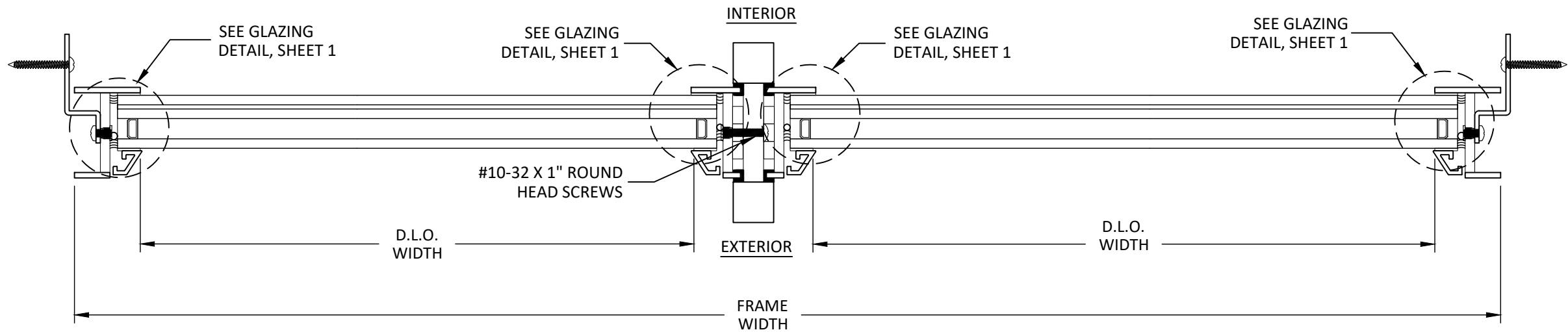


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A
6 **HORIZONTAL SECTION**
FIXED JAMB - CLIP



B
6 **HORIZONTAL SECTION**
FIXED JAMB - MULLION - FIXED JAMB - CLIP



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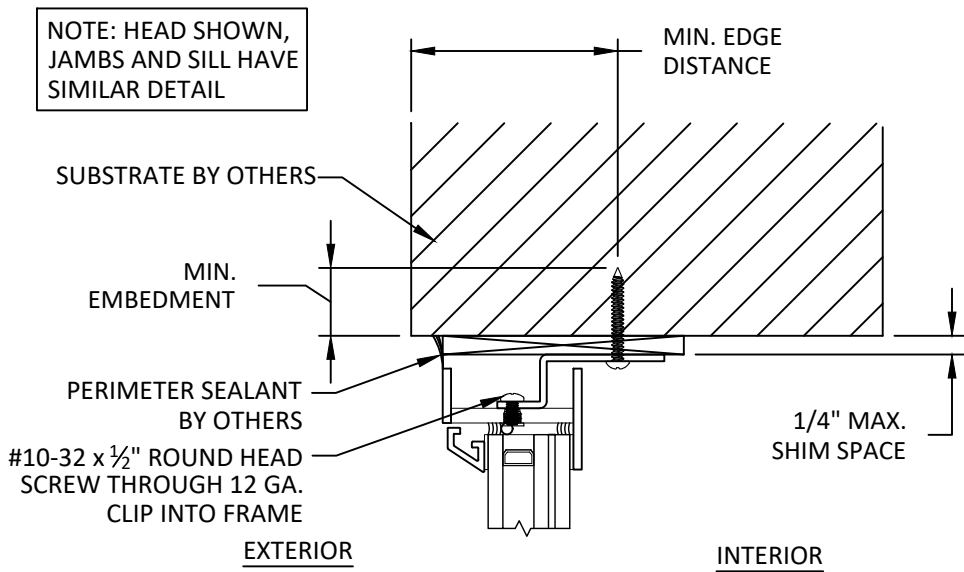
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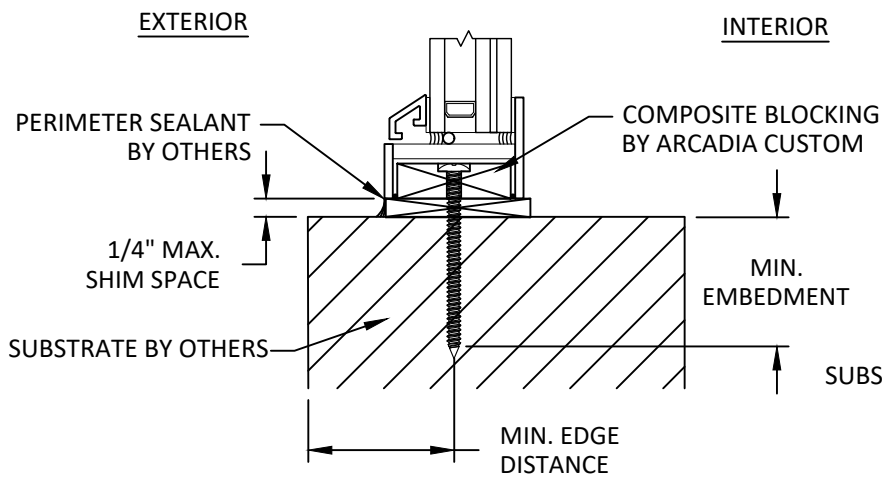
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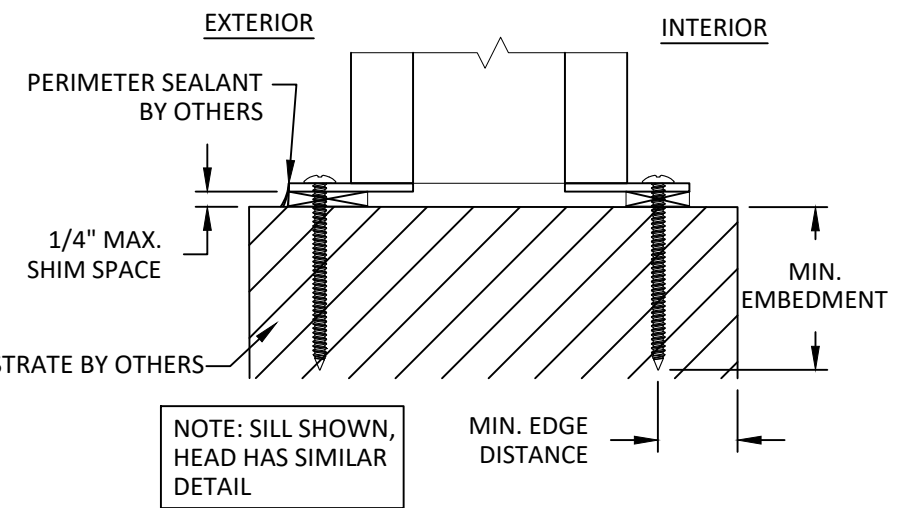
A
7

ANCHOR DETAIL
HEAD - CLIP



B
7

ANCHOR DETAIL
SILL - U CHANNEL



C
7

ANCHOR DETAIL
MULLION CLIP

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 2-4 UNLESS OTHERWISE SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 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.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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.
- 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.

ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE	QUANTITY PER LOCATION
CLIP	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.5"	0.75"	1
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#12 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	1
	METAL: ALUMINUM MIN. 6063-T5 1/8" WALL THICKNESS	#12 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	1
	CONCRETE: MIN. f'c = 3000 PSI	3/16" ITW TAPCON FLATHEAD	1.25"	2.5"	1
	MASONRY: CMU MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1.25"	2.5"	1
MULLION CLIP	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.5"	0.75"	2
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#14 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	2
	METAL: ALUMINUM MIN. 6063-T5 1/8" WALL THICKNESS	#12 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	2
	CONCRETE: MIN. f'c = 3000 PSI	5/16" ITW TAPCON FLATHEAD	1.75"	2.5"	2
	MASONRY: CMU MIN. 2000 PSI	5/16" ITW TAPCON FLATHEAD	1.75"	4"	2
U-CHANNEL (FOR SILL ONLY)	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.5"	0.75"	1
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#12 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	1
	METAL: ALUMINUM MIN. 6063-T5 1/8" WALL THICKNESS	#12 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	1
	CONCRETE: MIN. f'c = 3000 PSI	3/16" ITW TAPCON FLATHEAD	1.25"	2.5"	1
	MASONRY: CMU MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1"	2.5"	1

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