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ARCADIA CUSTOM

TSX3000 CASEMENT WINDOW

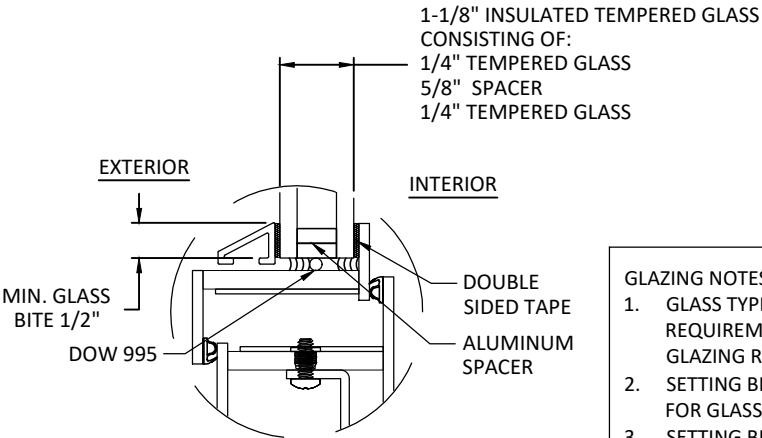
(NON-IMPACT) (NON-HVHZ)

GENERAL NOTES:

- 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
- 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.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT.
- FRAME MATERIAL: STAINLESS STEEL
- GLASS SHALL MEET 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	SEE PRESSURE TABLE ON PAGE 2	NON-IMPACT

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5	INSTALLATION NOTES, ANCHOR DETAILS & SCHEDULE



- GLAZING NOTES:
- GLASS TYPE SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC.
 - SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.



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GENERAL NOTES & GLAZING DETAIL

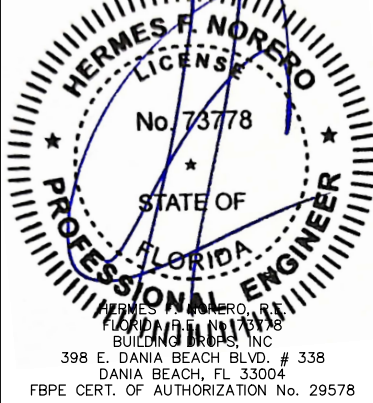
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REMARKS	BY	DATE
SHAPES ADDED	AC	3/11/21
ANCHOR UPDATE	MG	6/14/23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.07.12 11:11:31 -0200



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FLORIDA PROFESSIONAL ENGINEER
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STATE OF FLORIDA
398 E. DANIA BEACH BLVD., # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL#: FL28911

DATE: 03.12.21

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CHK. BY: HFN

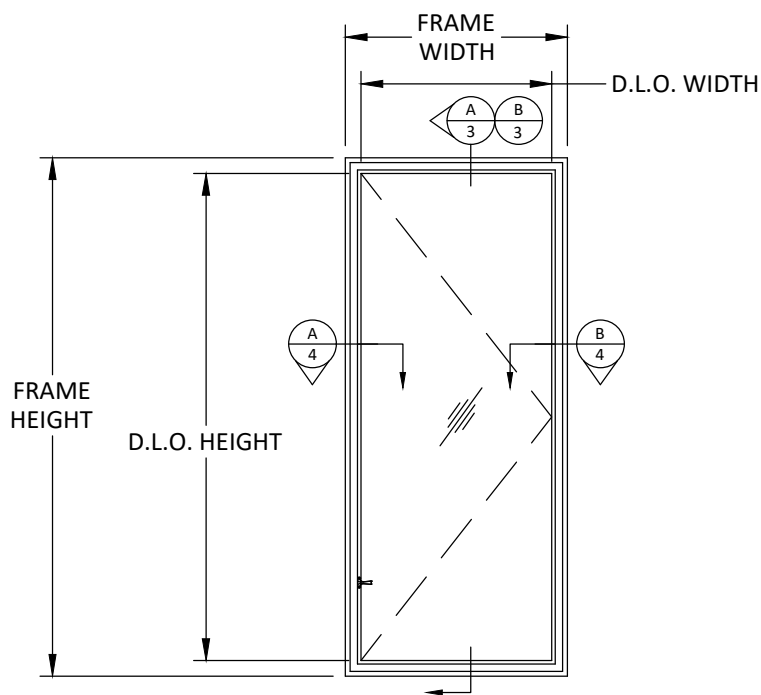
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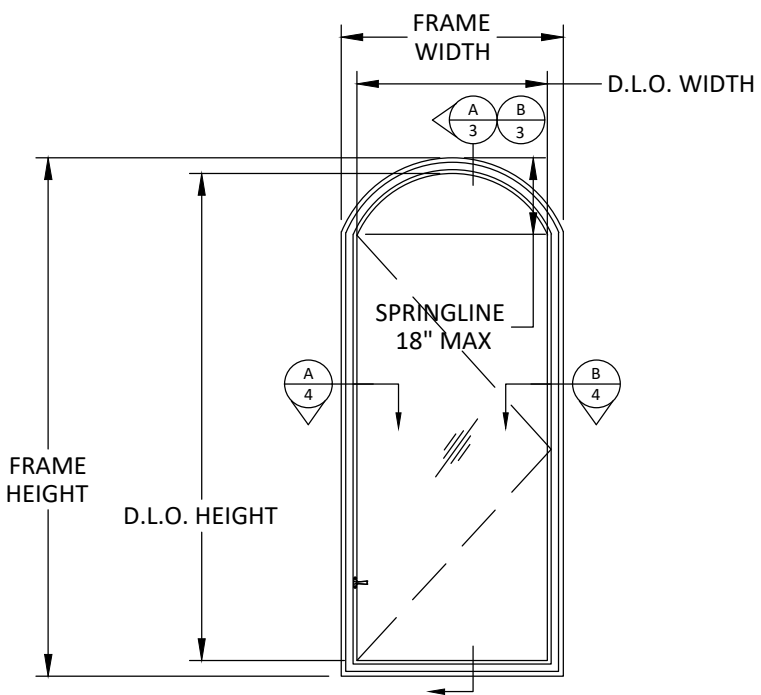
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OF 5

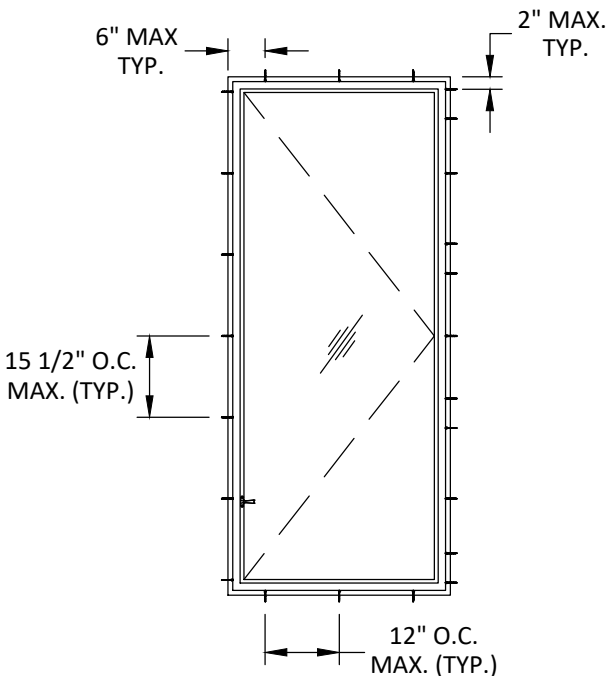
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ELEVATION
CASEMENT WINDOW
EXTERIOR VIEW



ELEVATION
CASEMENT FLAT TOP ARCH WINDOW
EXTERIOR VIEW



ANCHOR LAYOUT(TYP.)
CLIP/THROUGH FRAME

NOTE:
DLO HEIGHT = FRAME HEIGHT - 5.125"
DLO WIDTH = FRAME WIDTH - 5.0625"

DESIGN PRESSURE TABLE (PSF)							
FRAME WIDTH (INCHES)							
FRAME HEIGHT (INCHES)		18	24	30	36	42	48
	36	50.0	50.0	50.0	50.0	50.0	50.0
	42	50.0	50.0	50.0	50.0	42.9	42.9
	48	50.0	50.0	50.0	50.0	42.9	37.5
	54	50.0	50.0	50.0	50.0	42.9	37.5
	60	50.0	50.0	50.0	50.0	42.9	37.5
	66	50.0	50.0	50.0	50.0	42.9	
	72	50.0	50.0	50.0	50.0	42.9	
	78	50.0	50.0	50.0	50.0		
	84.1875	50.0	50.0	50.0	50.0		
	90	50.0	50.0	50.0			
	96	50.0	50.0	50.0			
	102	50.0	50.0				
	108	50.0	50.0				
	114	50.0	50.0				



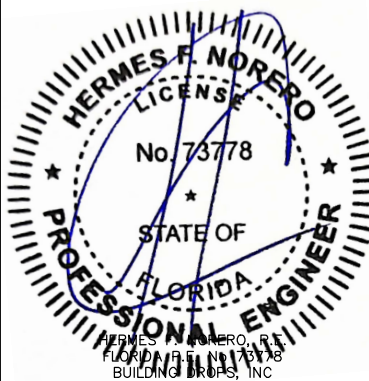
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ELEVATION AND ANCHOR LAYOUT

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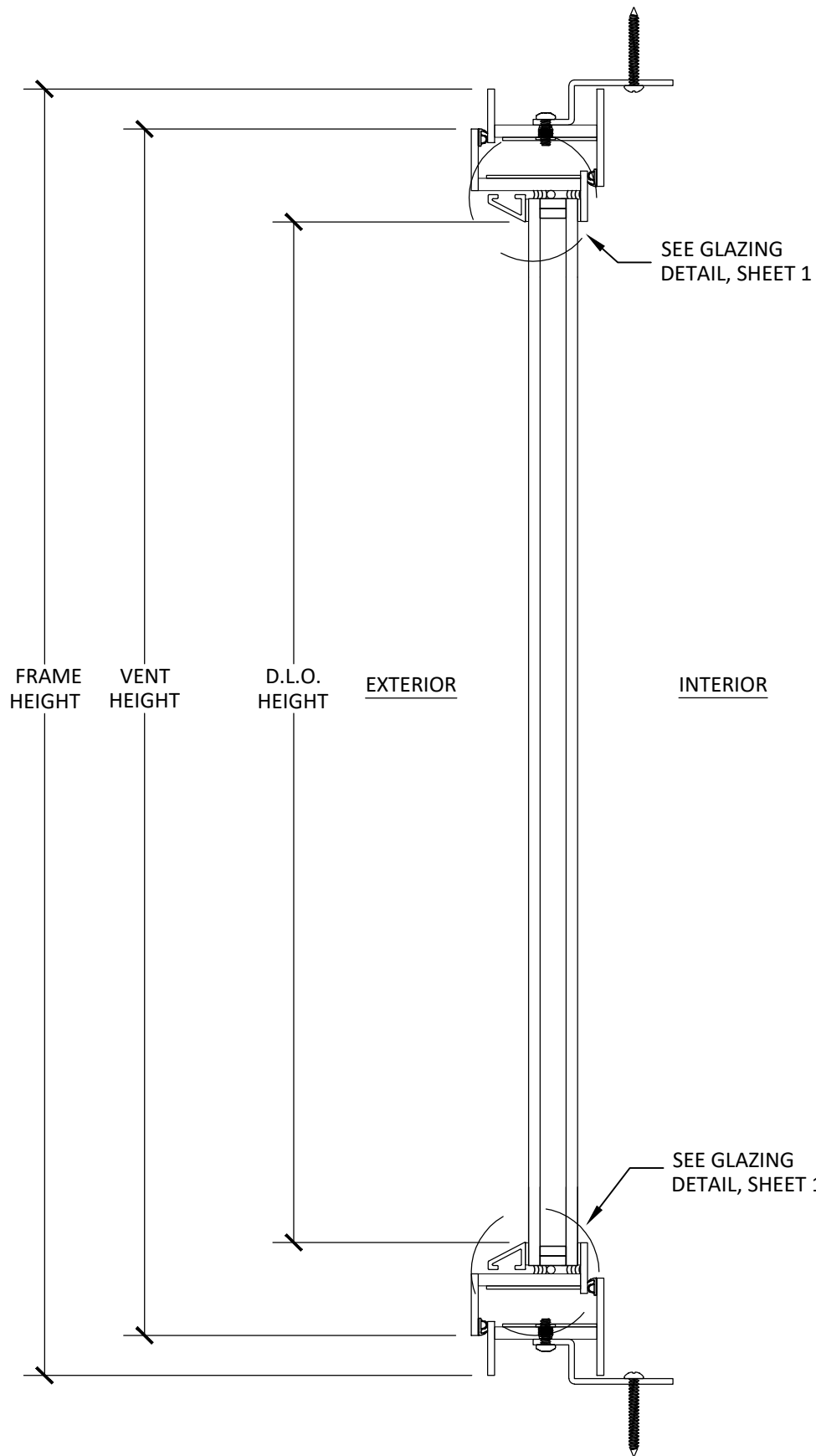
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OF 5

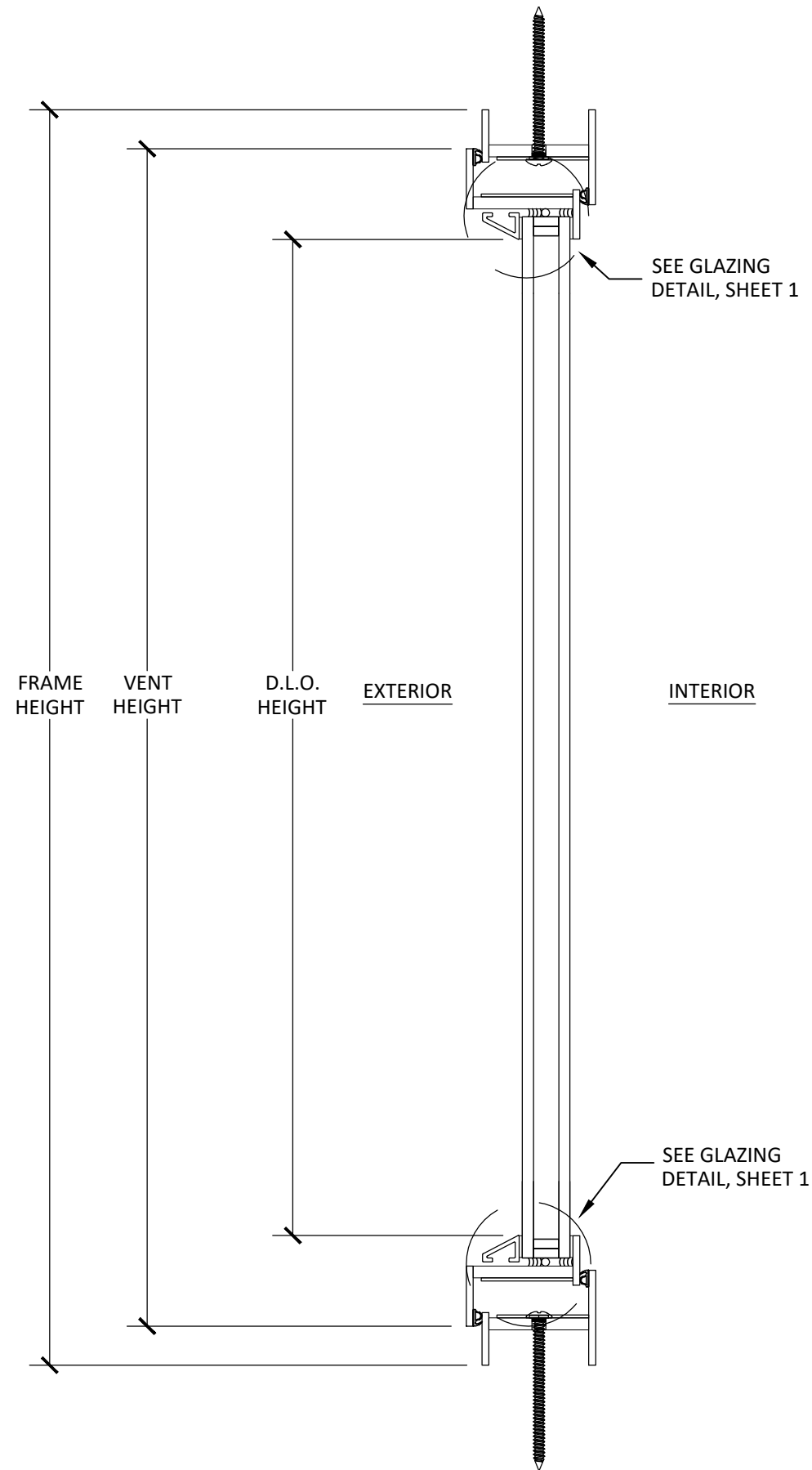
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A
3

VERTICAL SECTION

CASEMENT - CLIP



B
3

VERTICAL SECTION

CASEMENT - THROUGH FRAME



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VERTICAL SECTIONS

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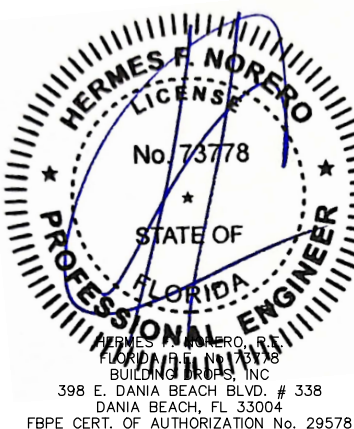
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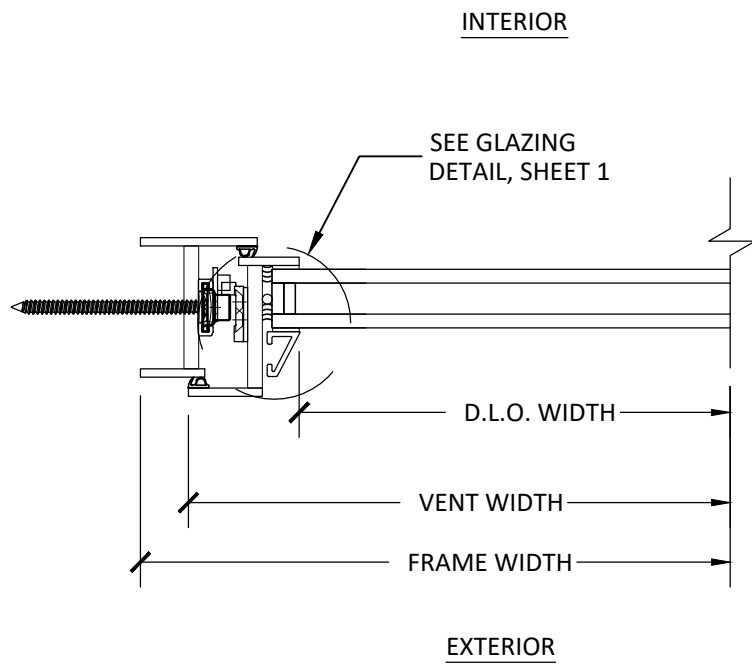
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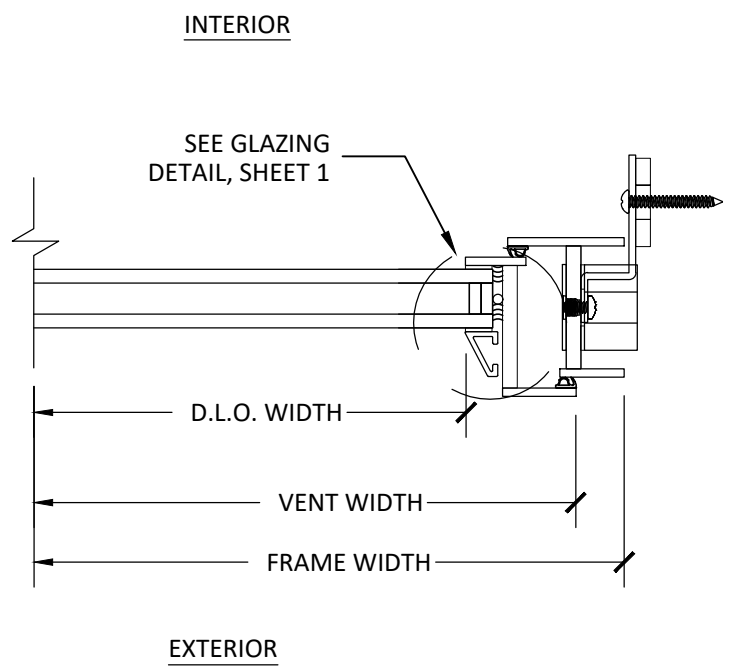
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A
4

HORIZONTAL SECTION
CASEMENT JAMB - THROUGH FRAME



B
4

HORIZONTAL SECTION
CASEMENT JAMB - CLIP



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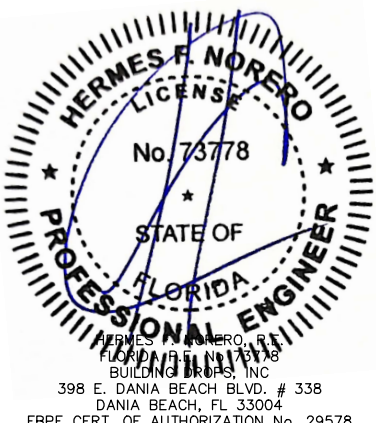
HORIZONTAL SECTIONS

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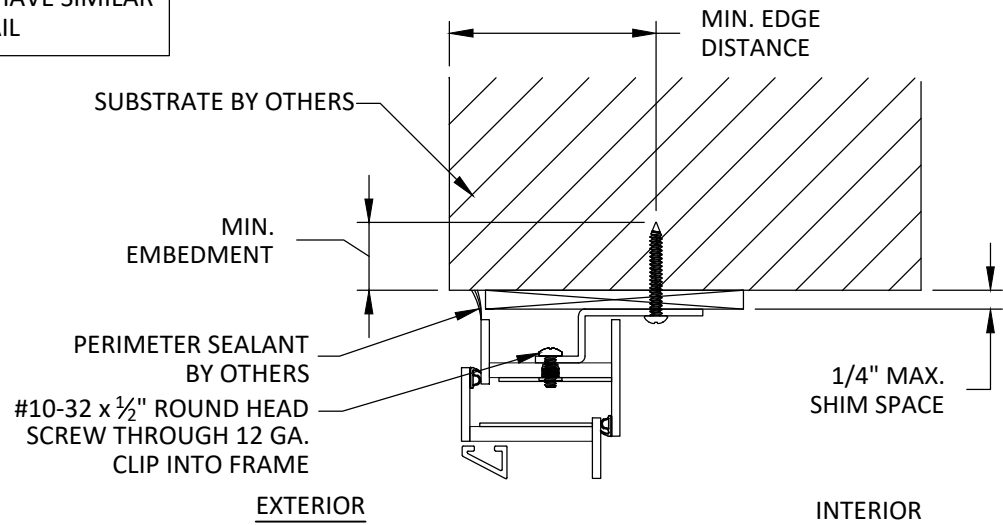
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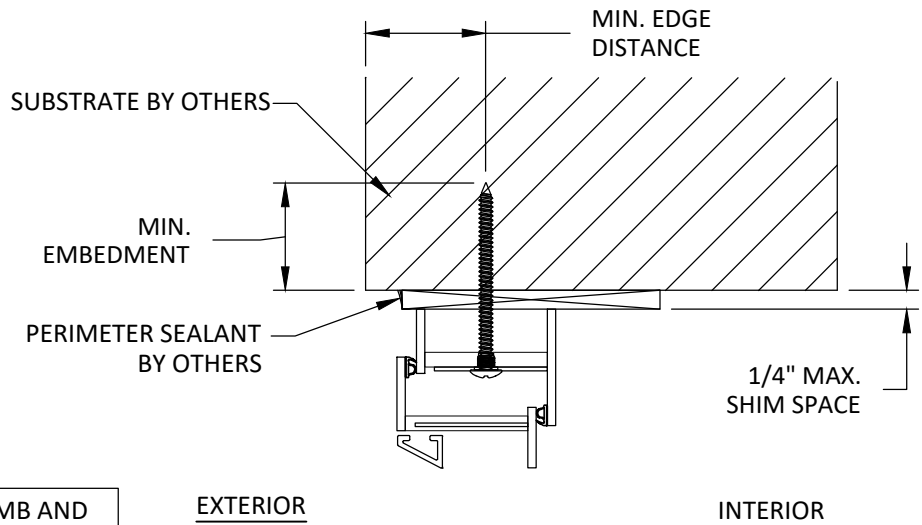
4

OF 5

NOTE: JAMB AND SILL HAVE SIMILAR DETAIL



A
5 **ANCHOR DETAIL**
CLIP



NOTE: JAMB AND SILL HAVE SIMILAR DETAIL

B
5 **ANCHOR DETAIL**
THROUGH FRAME

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 2 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
THROUGH FRAME	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. fc = 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
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. fc = 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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INSTALLATION NOTES, ANCHOR DETAILS AND SCHEDULE

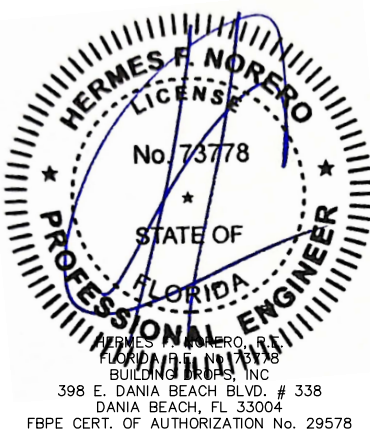
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