

AMERICAN CRAFTSMAN WINDOWS

SILVER LINE BUILDING PRODUCTS

V1 SERIES/50 SERIES GLIDING PATIO DOOR (5502HV/5702HV) (HVHZ) (NON-IMPACT)

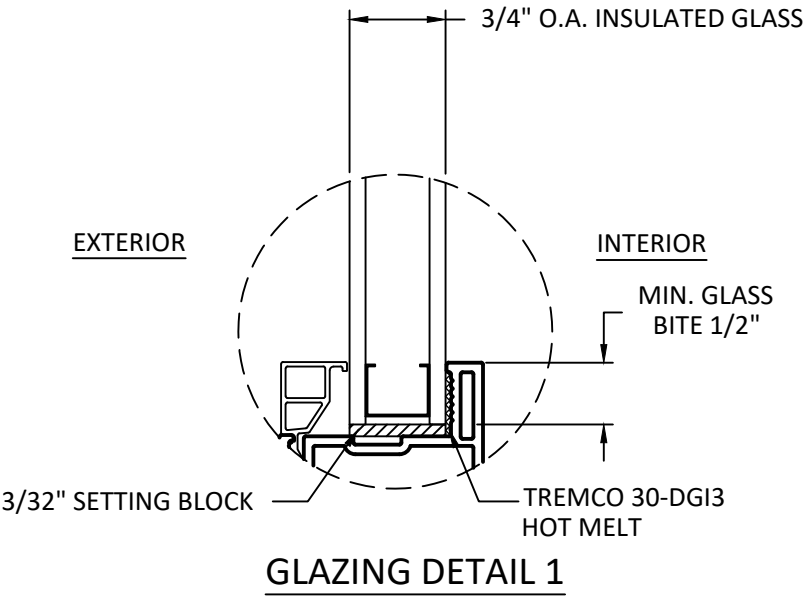
GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
 - TAS 202-94
- 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. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: PVC
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.

MAX OVERALL SIZE		CONFIG.	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
71-5/8"	79-3/4"	OX	+50 / -50 PSF	NON-IMPACT

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAILS
2	ELEVATION & ANCHOR LAYOUT
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	INSTALLATION NOTES, ANCHOR DETAILS & SCHEDULE

- GLAZING NOTES:**
- GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E-1300 GLASS CHARTS REQUIREMENT.
 - GLASS TYPE SHALL COMPLY WITH FBC SAFETY GLAZING REQUIREMENTS.



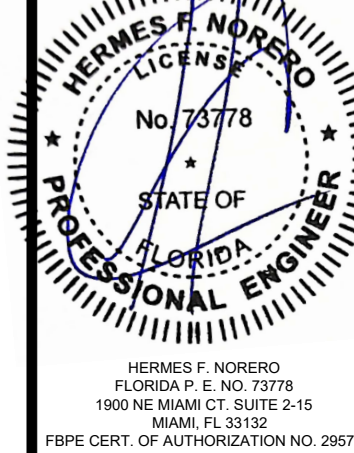
AMERICAN CRAFTSMAN
WINDOWS
SILVER LINE WINDOWS AND
DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902
PH: (888) 741-0354

TITLE: V1 SERIES/50 SERIES GLIDING PD HVHZ (NON-IMPACT) GENERAL NOTES & GLAZING DETAILS		BY	DATE
REVISION DESCRIPTION	NO.		
	A	LMH	12.04.20
	B	LMH	04.04.25
7TH EDITION 2020 FBC			
CURRENT FBC & EC24-100			

DATE: 03.09.16	DWN BY: LMS	CHK BY: HFN	SCALE: NTS
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.04.16 16:11:44 -0400'



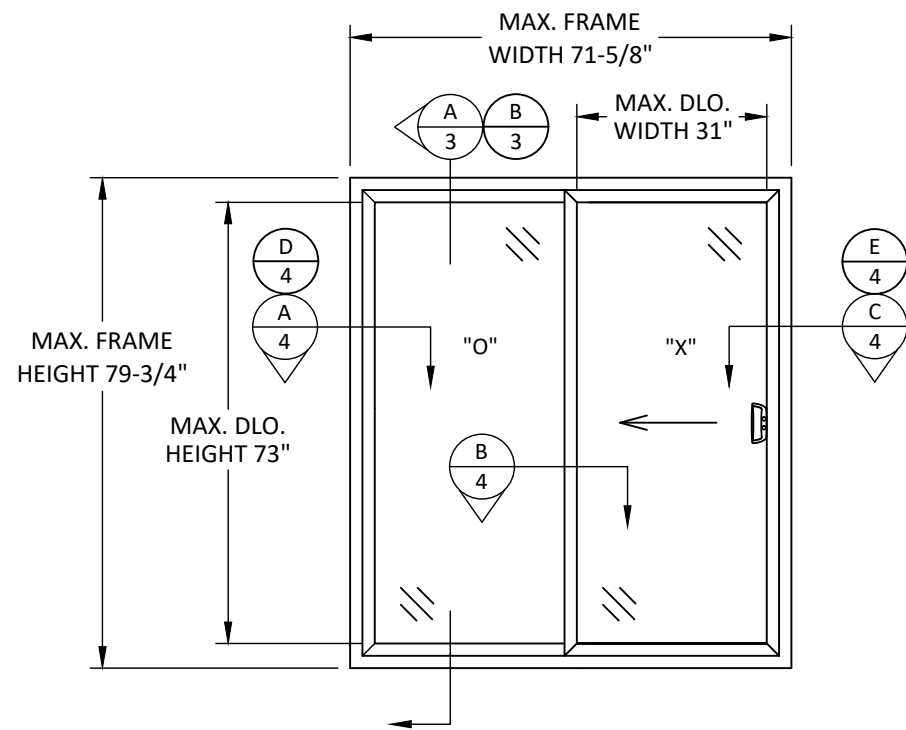
HERMES F. NORERO
FLORIDA P. E. NO. 73778
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

BUILDING DROPS, INC.
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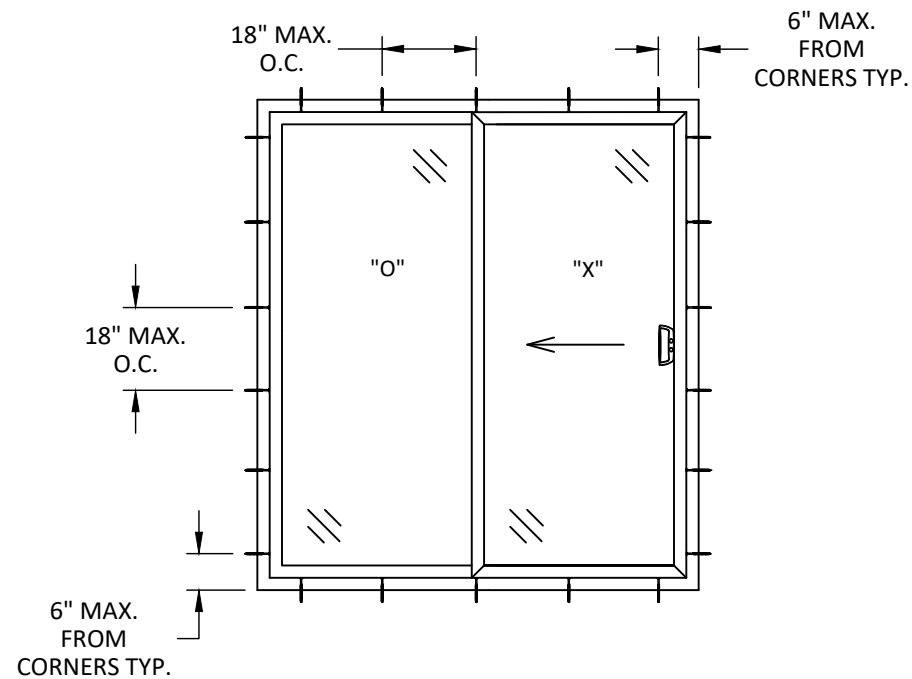
FL#: **20101**

DWG #: **SWD003**

SHEET: **1 OF 5**



ELEVATION
SLIDING GLASS DOOR
INTERIOR VIEW



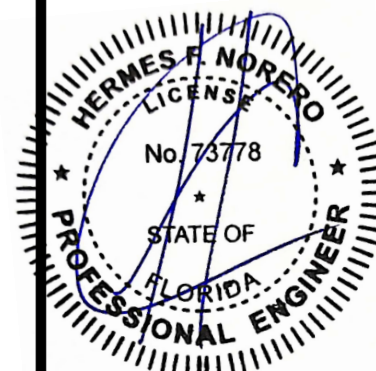
ANCHOR LAYOUT
THROUGH FRAME

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TITLE: V1 SERIES/50 SERIES GLIDING PD HVHZ (NON-IMPACT) ELEVATION & ANCHOR LAYOUT			
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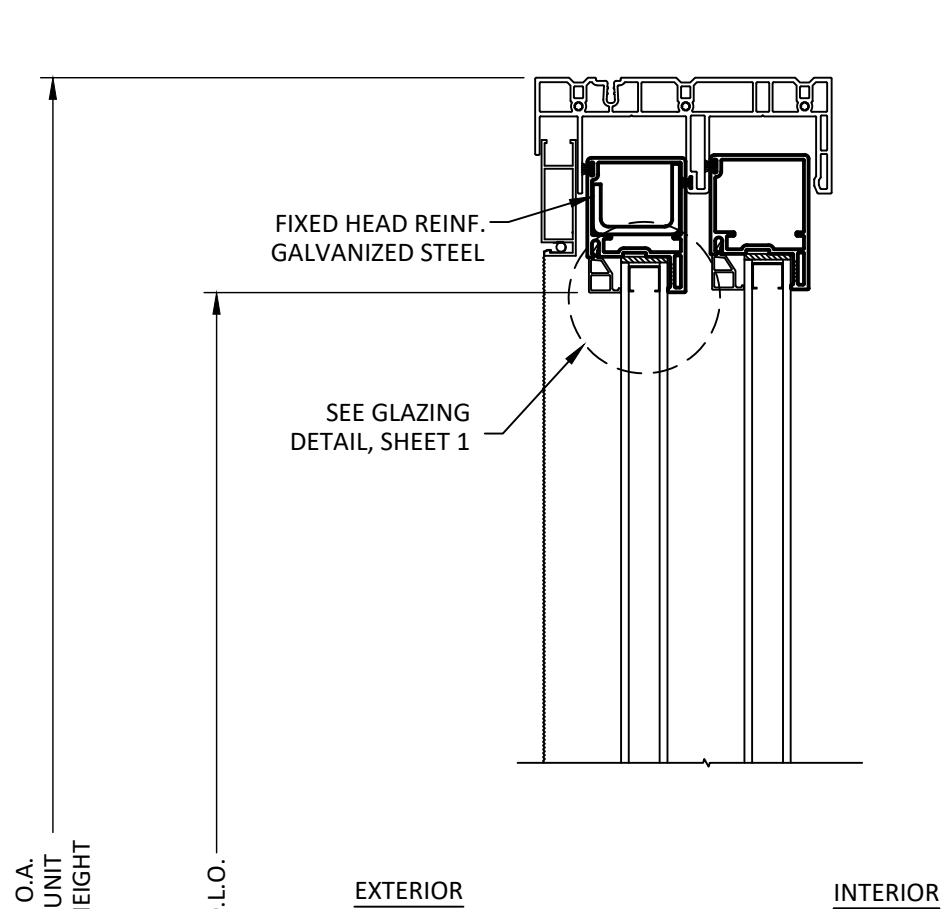
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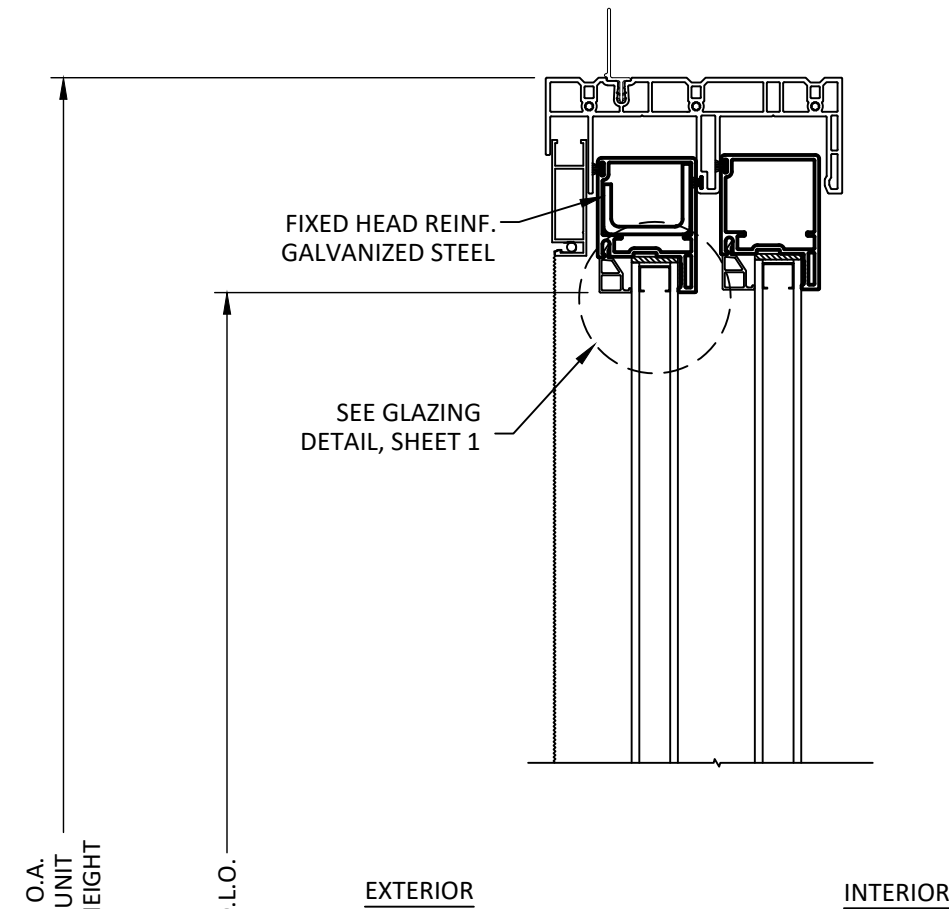
FL#: **20101**

DWG #: **SWD003**

SHEET: **2 OF 5**



A
3 VERTICAL SECTION
NO FLANGE



B
3 VERTICAL SECTION
WITH OPTIONAL ACCESSORY FLANGE

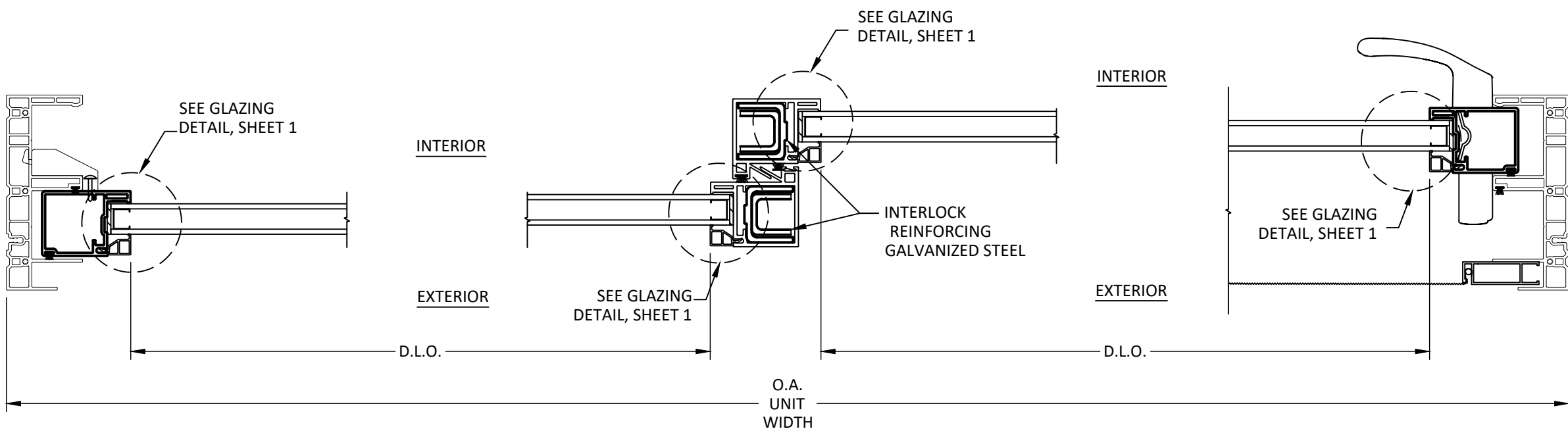
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HERMES F. NORERO
LICENSE
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STATE OF
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PROFESSIONAL ENGINEER

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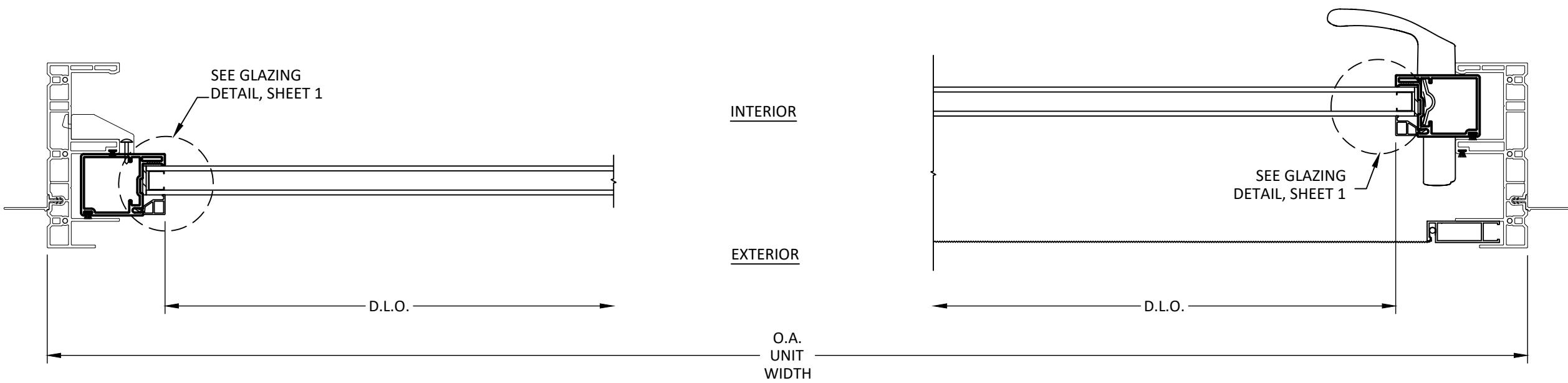
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A
4 **HORIZONTAL SECTION**
NO FLANGE

B
4 **HORIZONTAL SECTION**
NO FLANGE

C
4 **HORIZONTAL SECTION**
NO FLANGE

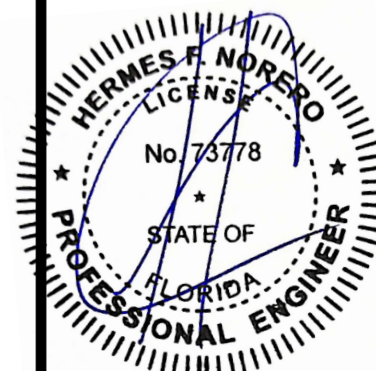


D
4 **HORIZONTAL SECTION**
WITH OPTIONAL ACESORY FLANGE

E
4 **HORIZONTAL SECTION**
WITH OPTIONAL ACESORY FLANGE

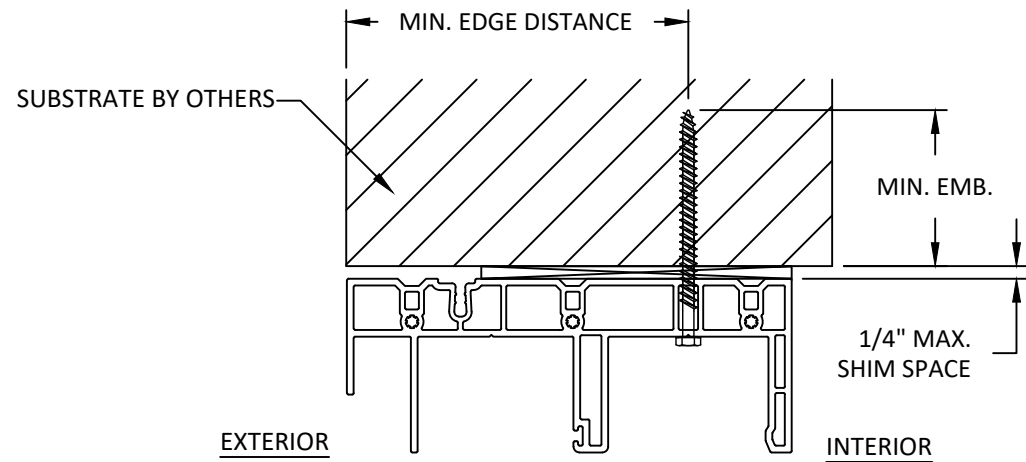
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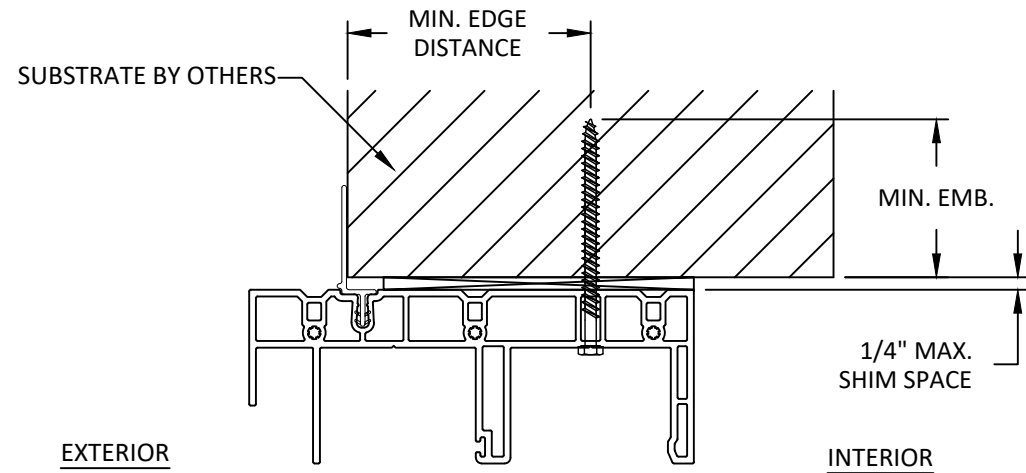
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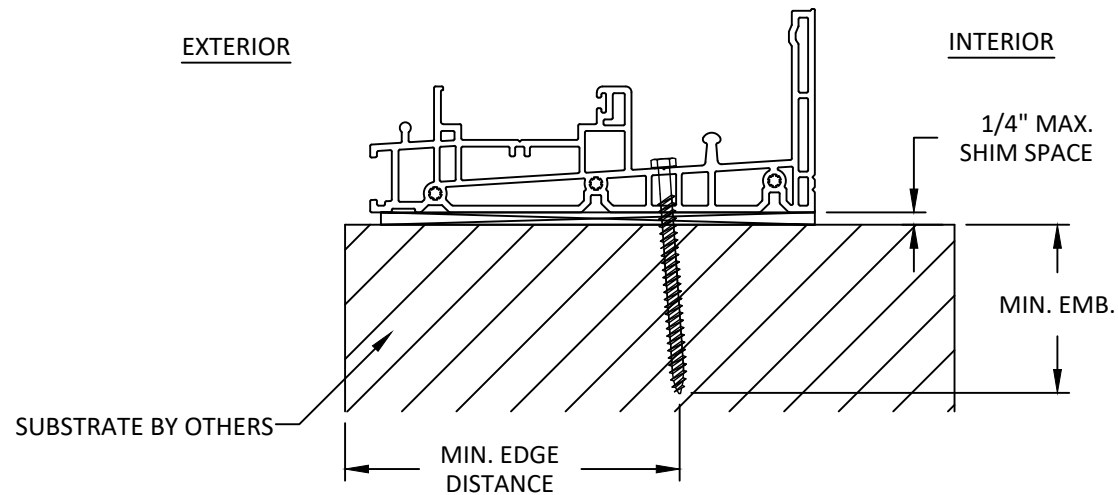


A
5 **ANCHOR DETAIL**
THROUGH FRAME WITHOUT FLANGE (HEAD)

NOTE:
JAMBS HAVE
SIMILAR DETAILS



B
5 **ANCHOR DETAIL**
THROUGH FRAME WITH FLANGE (HEAD)



C
5 **ANCHOR DETAIL**
THROUGH FRAME (SILL)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 2.
- 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.
- FOR MASONRY OR CONCRETE OPENINGS, 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- 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.
- SILL SHALL BE SET IN A BED OF SILICONE.

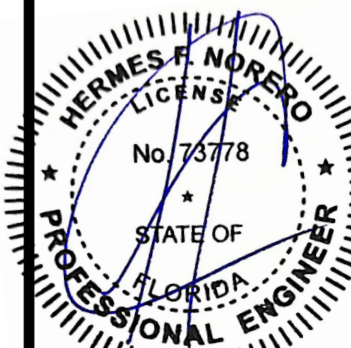
ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1-1/2"	3/4"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#14 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	3/4"
	CONCRETE: f _c =3000PSI	1/4" ITW TAPCON	1-3/4"	2-1/2"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON	1-3/4"	2-1/2"

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SHEET: **5 OF 5**