

AMERICAN CRAFTSMAN WINDOWS SILVER LINE WINDOWS AND DOORS

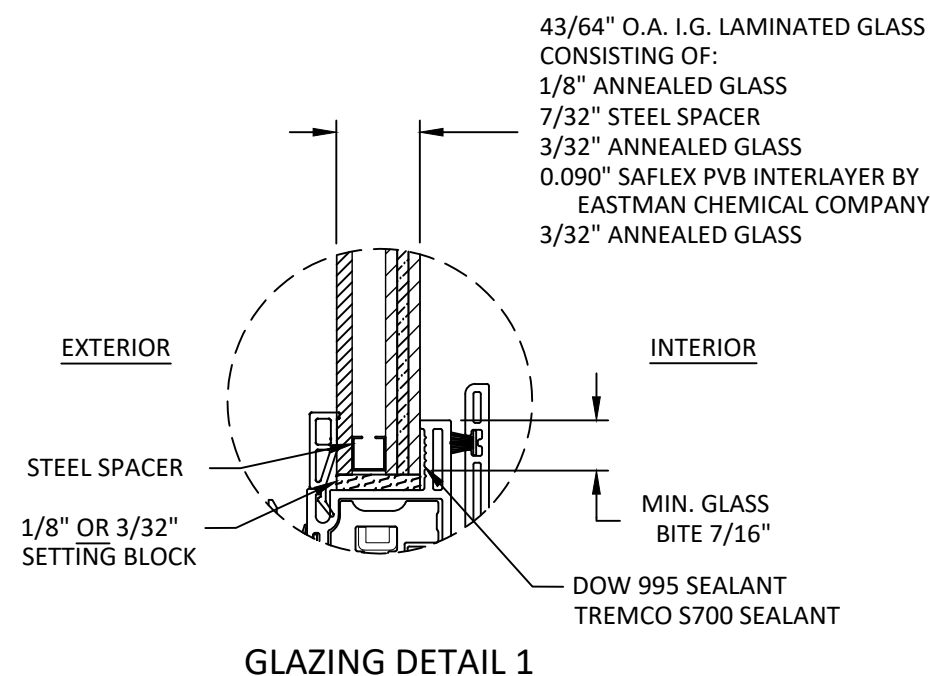
70 SERIES / V1 SERIES / (2127) SINGLE-HUNG WINDOWS (HVHZ)(IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - ASTM E330-02
 - ASTM E1886-12
 - ASTM E1996-17
 - AAMA/WDMA/CSA 101/1.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. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: PVC
- IN ACCORDANCE WITH THE CURRENT EDITION FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS DEFINED IN CHAPTER 23.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

MAX OVERALL SIZE		CONFIG.	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
52"	73"	O/X	+55 / -60 PSF	LMI/SMI

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NOTE:
ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC AND ASTM E 1300 GLASS LOAD RESISTANCE.

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SILVER LINE WINDOWS AND DOORS

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

TITLE: 70 SERIES/V1 SERIES/(2127)
SINGLE-HUNG WINDOWS
(HVHZ)(IMPACT)

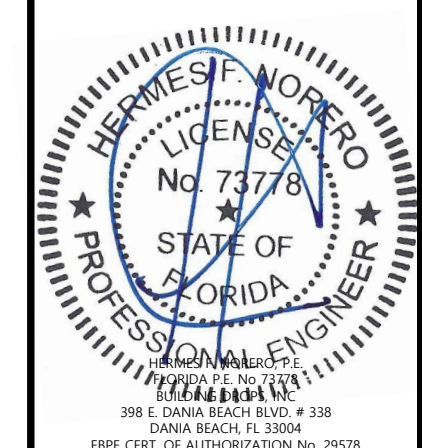
INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
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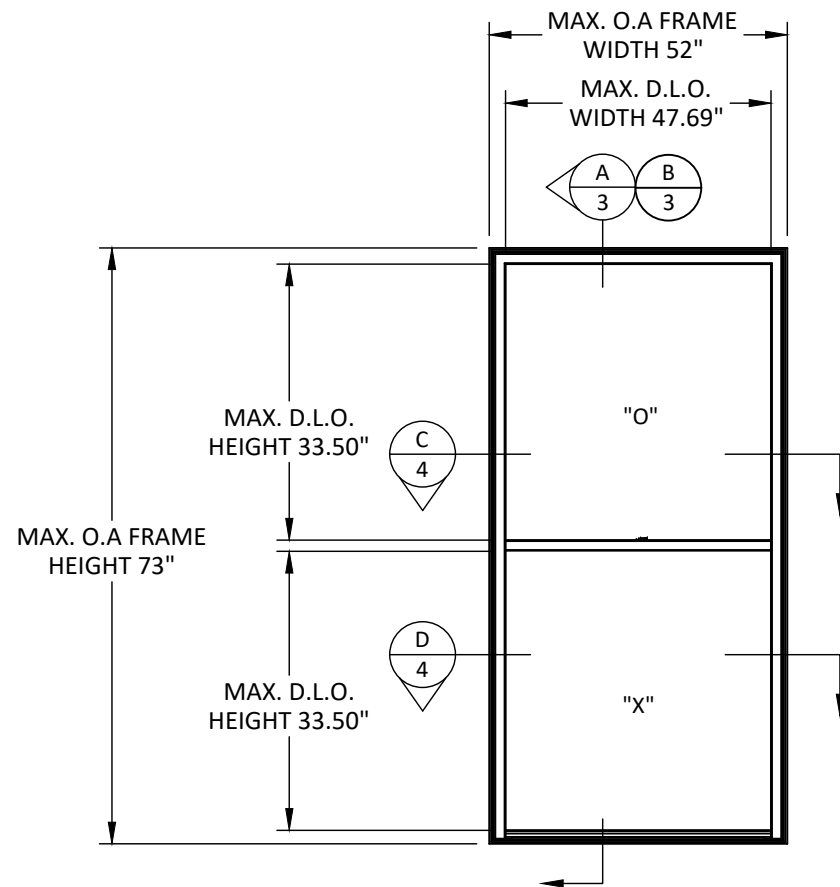
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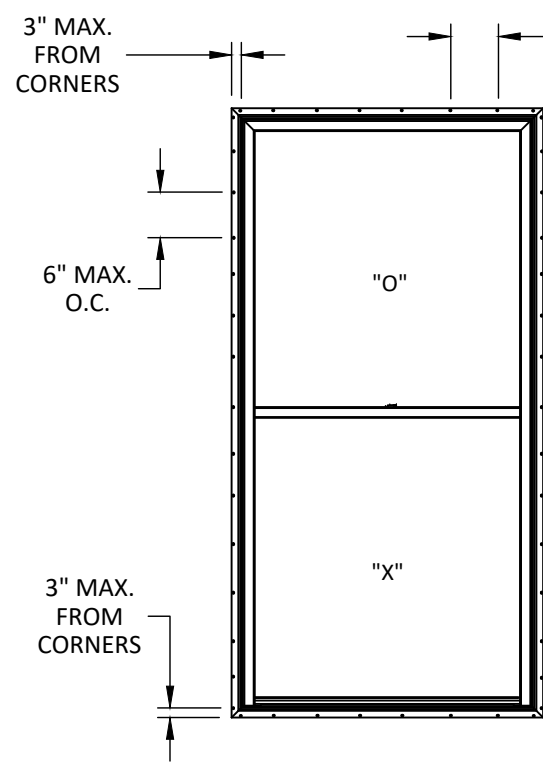


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SCALE:	NTS
DWG. #:	SWD050
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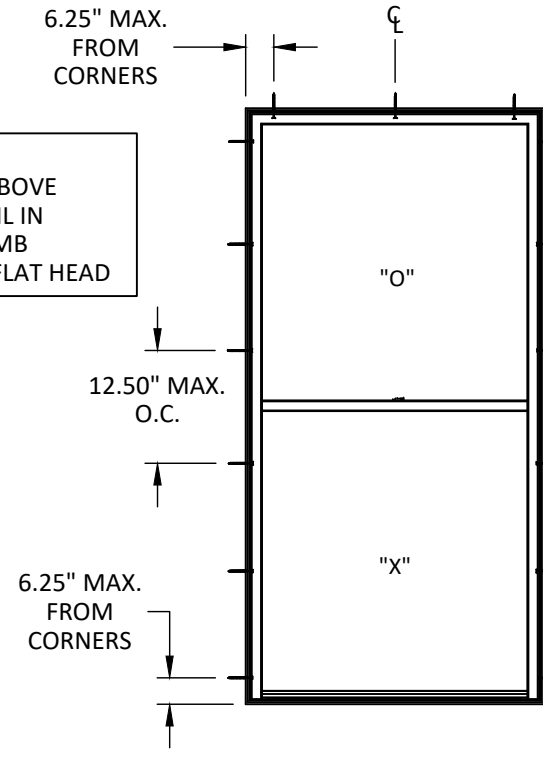


ELEVATION
SINGLE HUNG WINDOW



ANCHOR LAYOUT
NAIL FIN - SINGLE HUNG WINDOW

NOTE:
ALL FASTENERS ABOVE
THE MEETING RAIL IN
THE INTERIOR JAMB
TRACK MUST BE FLAT HEAD



ANCHOR LAYOUT
THROUGH FRAME - SINGLE HUNG WINDOW

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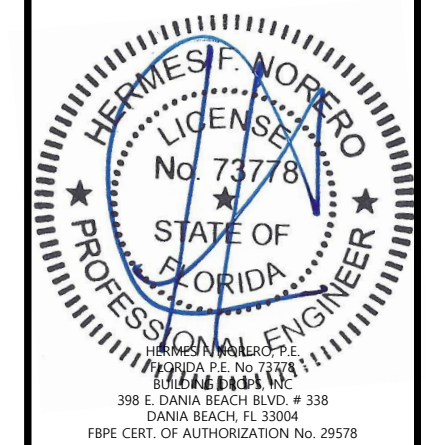
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ELEVATIONS & ANCHOR LAYOUTS

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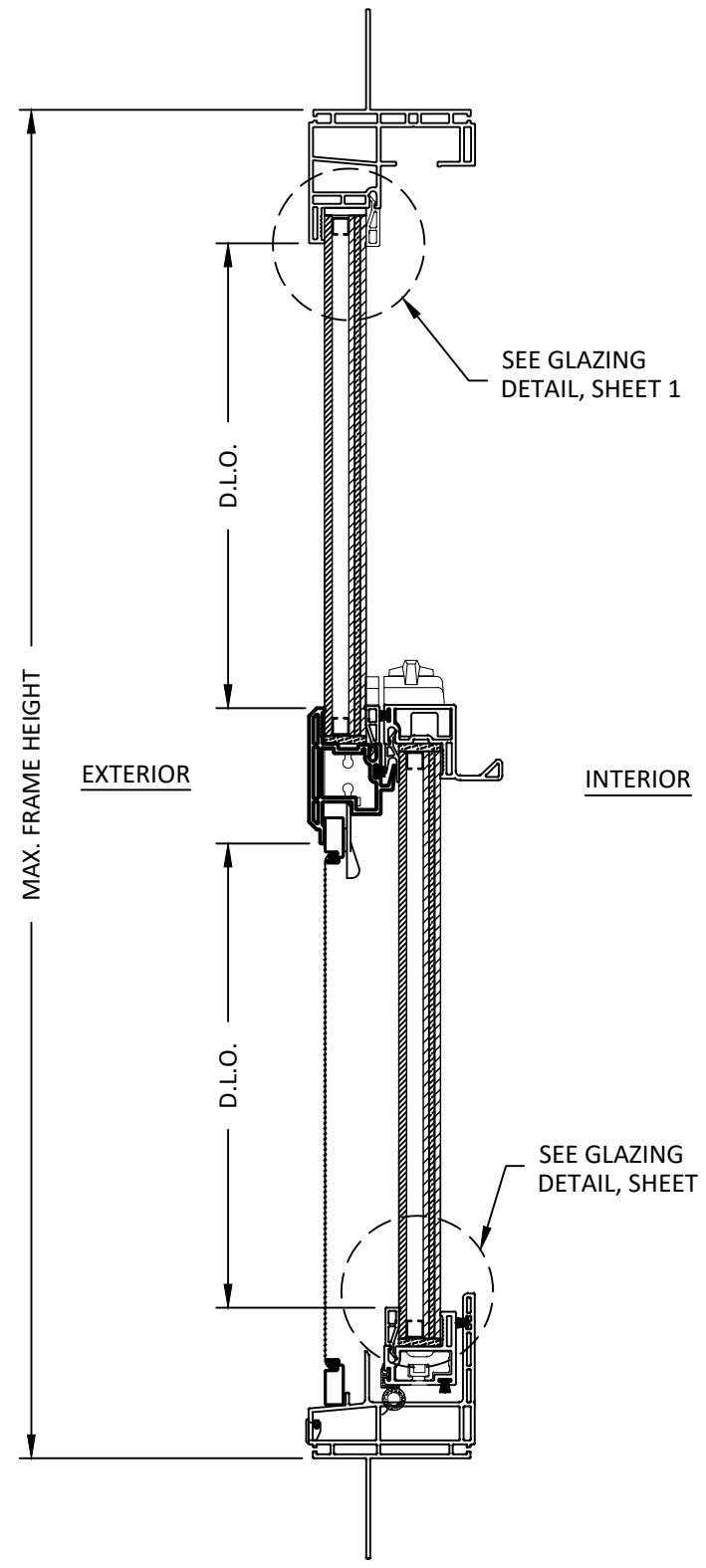
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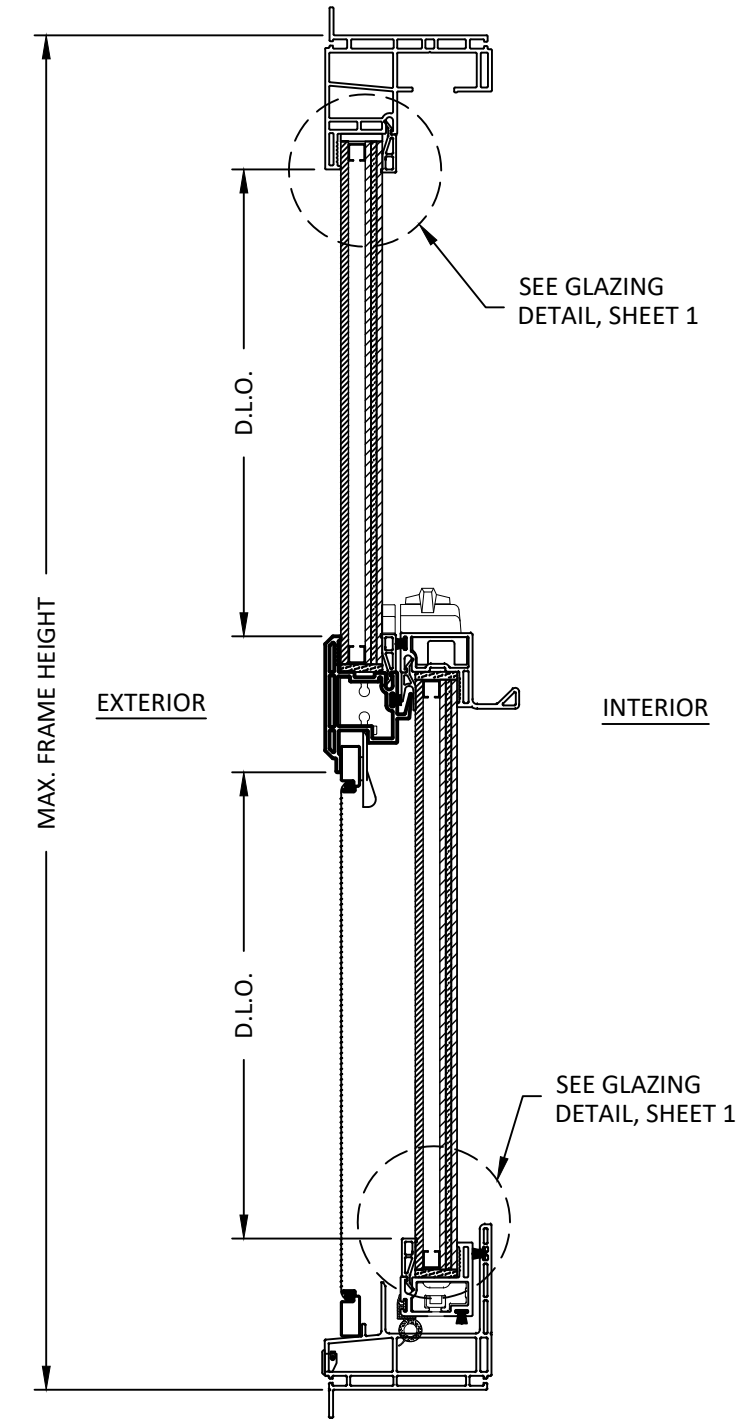


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A
3 **VERTICAL SECTION**
NAIL FIN



B
3 **VERTICAL SECTION**
THRU FRAME

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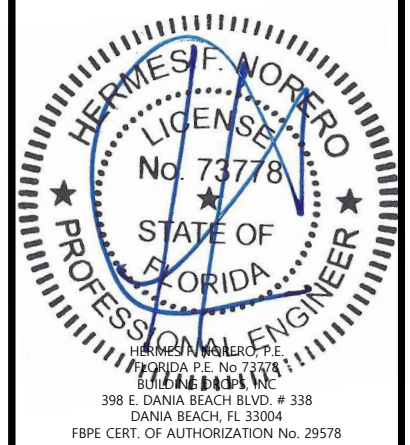
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VERTICAL SECTIONS

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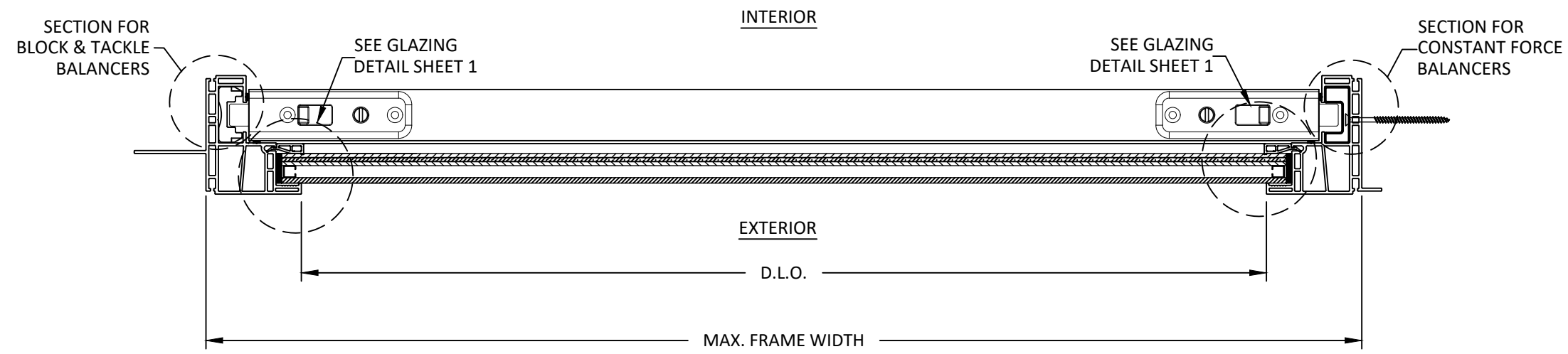
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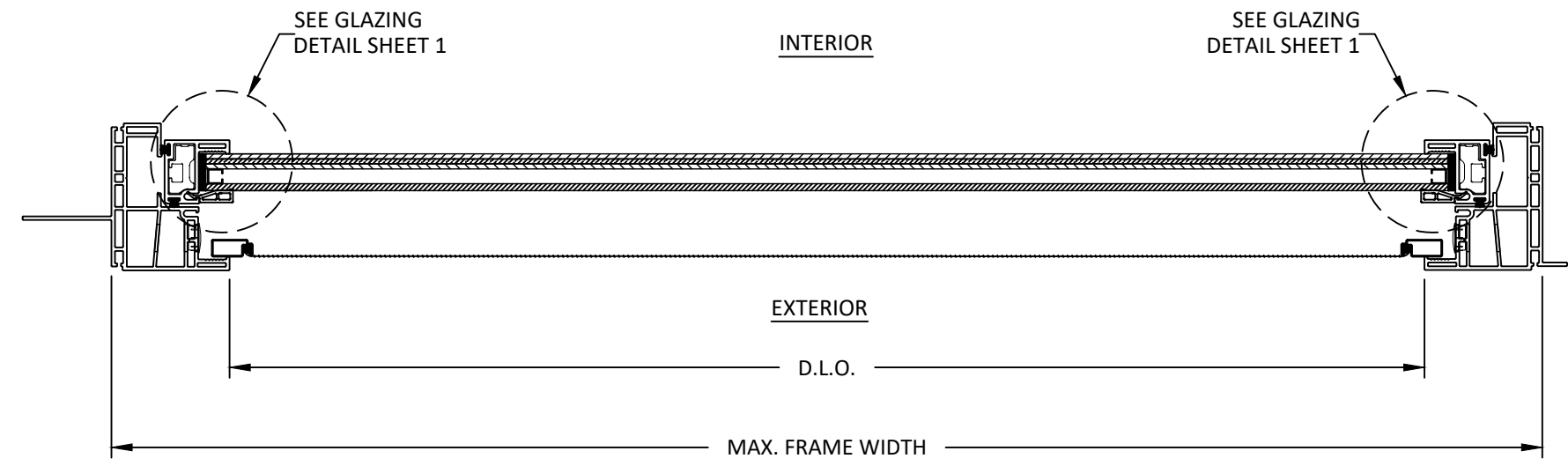
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C
4 **HORIZONTAL SECTION**
UPPER SASH



D
4 **HORIZONTAL SECTION**
LOWER SASH

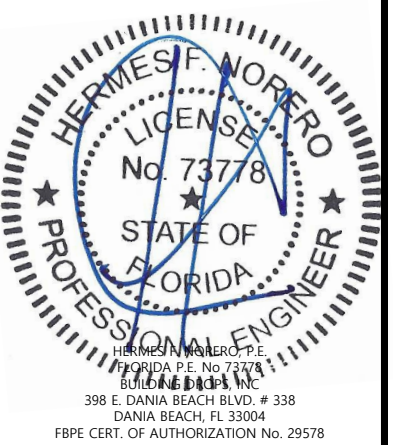
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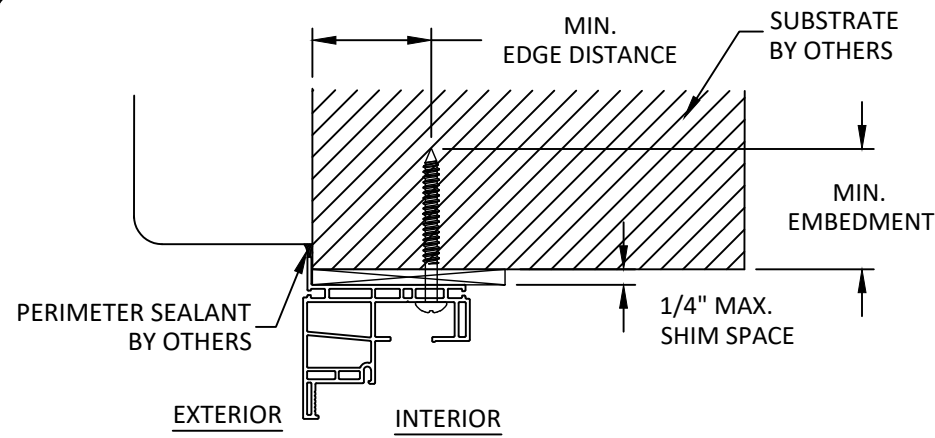
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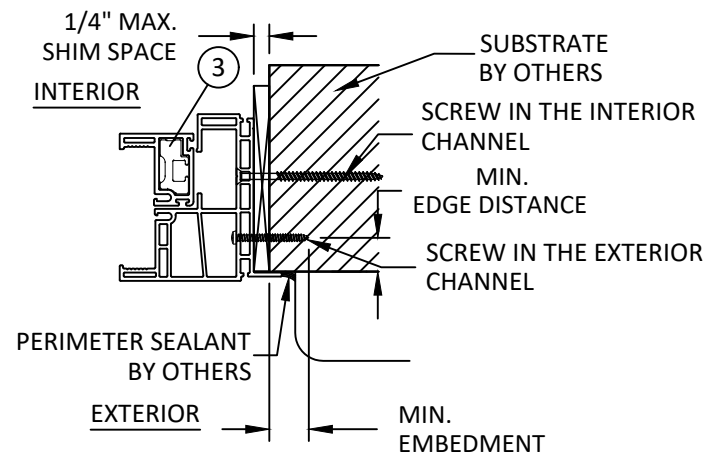
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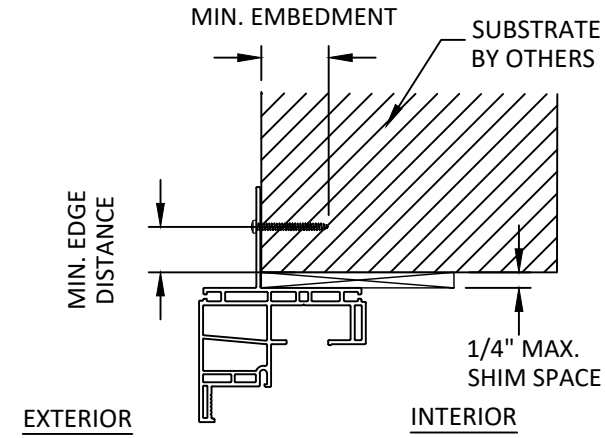
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A
5 **VERTICAL SECTION**
THROUGH FRAME (HEAD)

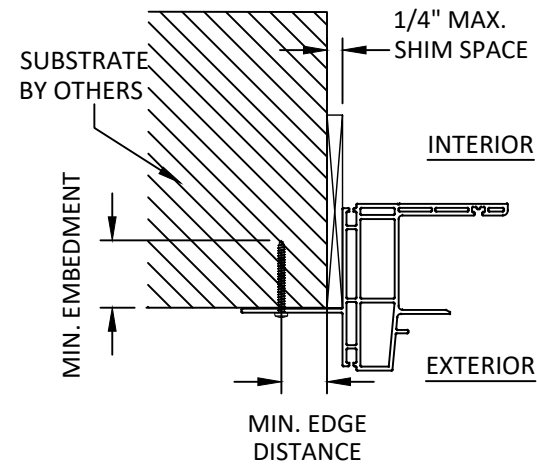


B
5 **HORIZONTAL SECTION**
THROUGH FRAME (JAMB)

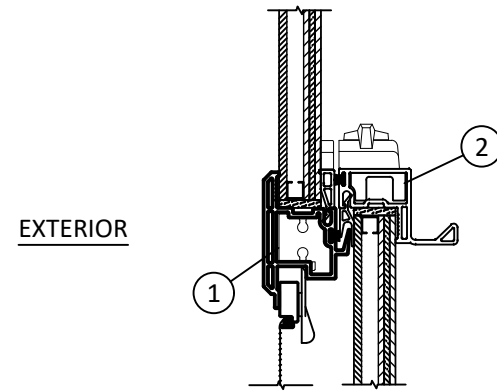


C
5 **HORIZONTAL SECTION**
NAIL FIN (HEAD)

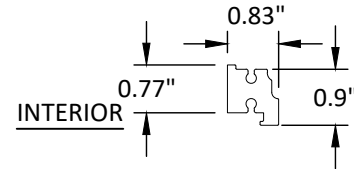
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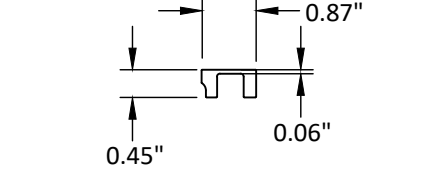
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5 **HORIZONTAL SECTION**
NAIL FIN (JAMB)



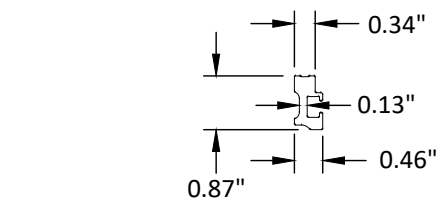
E
5 **VERTICAL SECTION**
MEETING STILE



1 LOCK RAIL TOP ALUMINUM



2 LOCK MEETING RAIL ALUMINUM



3 BOTTOM LIFT RAIL & SASH ALUMINUM

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION 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 3/8 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.
- FOR INSTALLATION ANCHORS ABOVE THE MEETING RAIL IN THE INTERIOR JAMB TRACK, USE FLAT HEAD ANCHORS.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
NAILING FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW PAN HEAD	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
THROUGH FRAME	WOOD: MIN. SG = 0.55	#10 PAN HEAD IN EXTERIOR CHANNEL	1.5"	0.75"
		#10 FLAT HEAD IN THE INTERIOR CHANNEL	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 PAN HEAD IN EXTERIOR CHANNEL	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
		#10 FLAT HEAD IN THE INTERIOR CHANNEL	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
	CONCRETE: $f_c=3000$ PSI	3/16" ITW TAPCON FLAT HEAD	1.25"	1.75"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLAT HEAD	1.25"	1.75"

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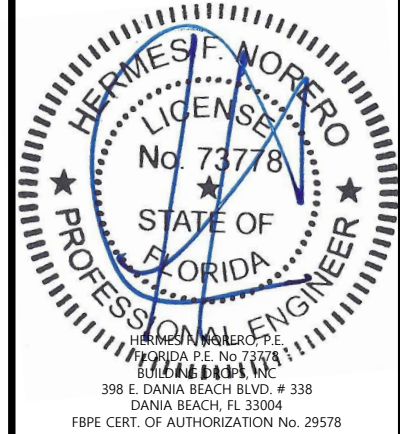
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SHEET: **5** OF 5