

AMERICAN CRAFTSMAN WINDOWS

SILVER LINE WINDOWS AND DOORS

70 SERIES/V3 SERIES/(5800) GLIDING PATIO DOORS

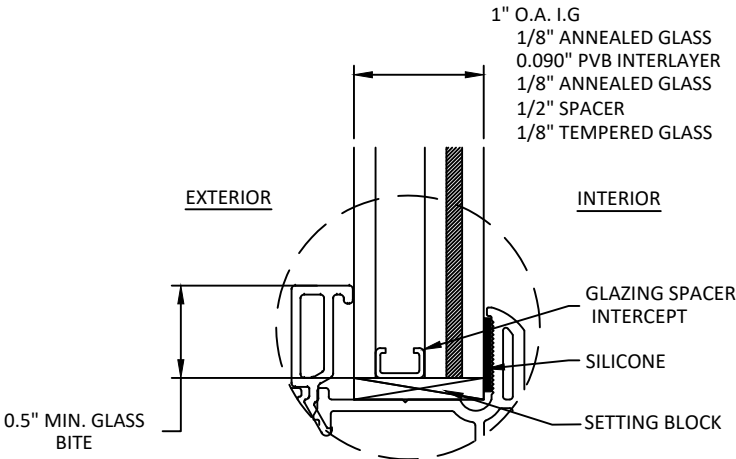
(NON-HVHZ)(IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - ASTM E1886-19
 - ASTM E1996-20
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. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PVC
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
8. DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL.

DESIGN PRESSURE TABLE			
SIZE	CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
95-1/2" X 81-1/2"	XO	+50/-50 PSF	MISSILE SIZE D WIND ZONE 3

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GLAZING DETAIL

- GLAZING NOTES:
1. GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN GLASS CHARTS.

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ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902
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TITLE: 70 SERIES/V3 SERIES/(5800)
GLIDING PATIO DOORS
(NON-HVHZ)(IMPACT)

GENERAL NOTES & GLAZING DETAILS

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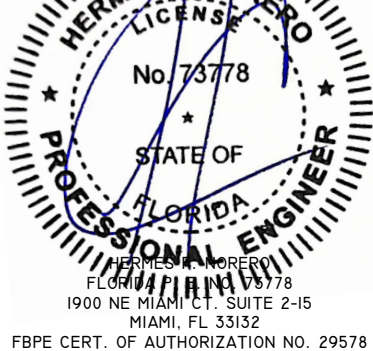
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
7TH FBC EDITION	LH	10/20
8th FBC EDITION	LH	09/23
Current FBC & EC24-100	LH	01/25
UPDATE ANCHOR LAYOUT	LH	10/25

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Digitally signed by Hermes E. Norero, P.E.
Reason: I am approving this document
Date: 2025.10.23 15:23:40 -0400



FL #: FL 14998

DATE: 09.28.17

DWG. BY: CL
CHK. BY: HFN

SCALE: NTS

DWG. #: SWD039

SHEET:

1

OF 5

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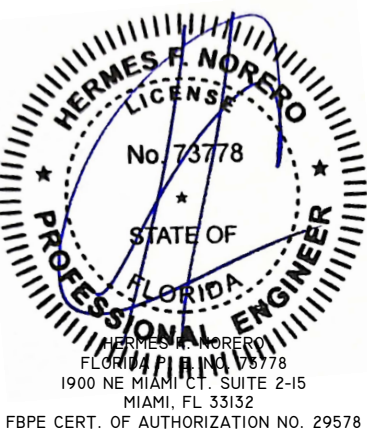
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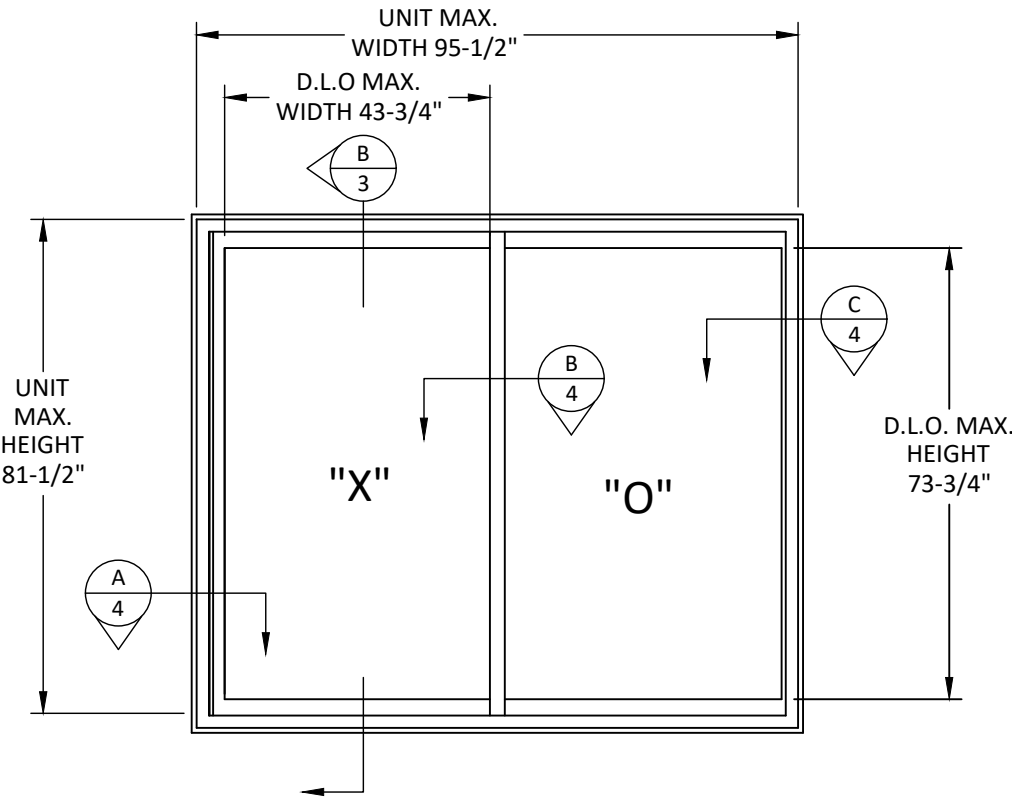
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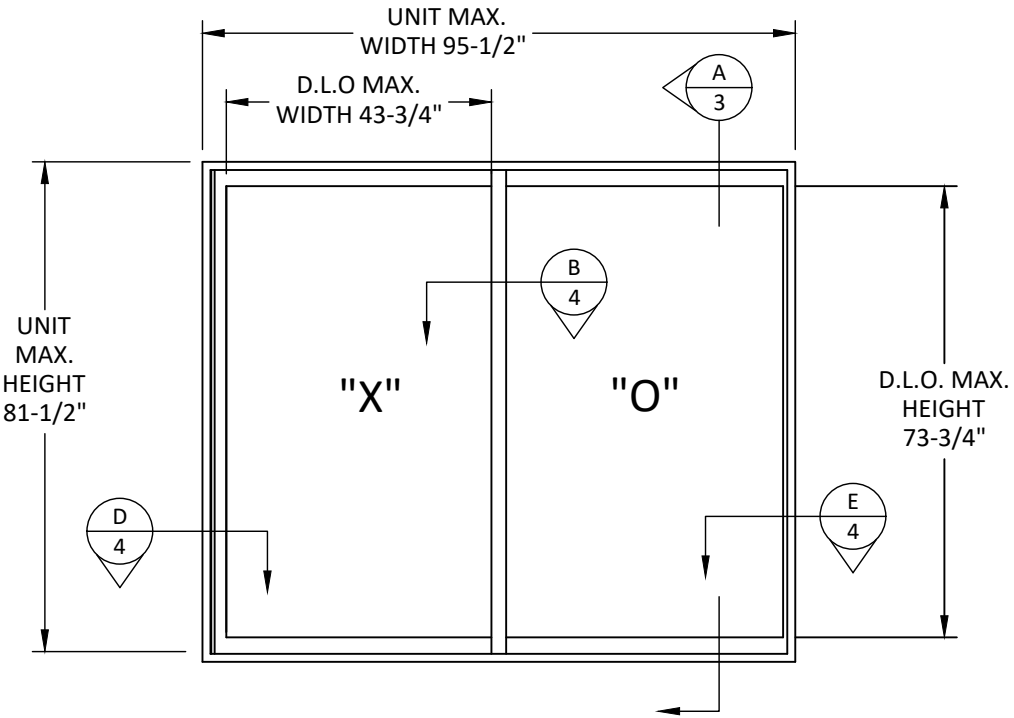
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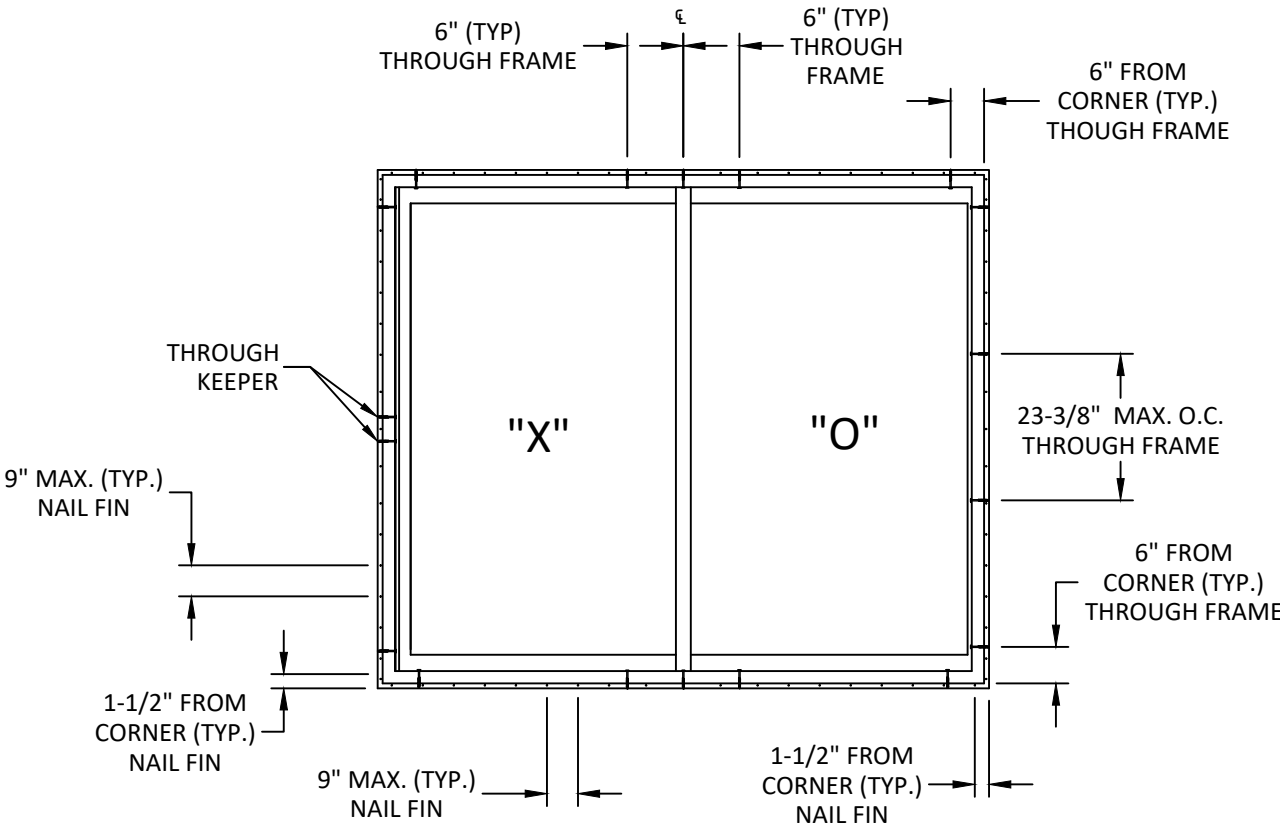
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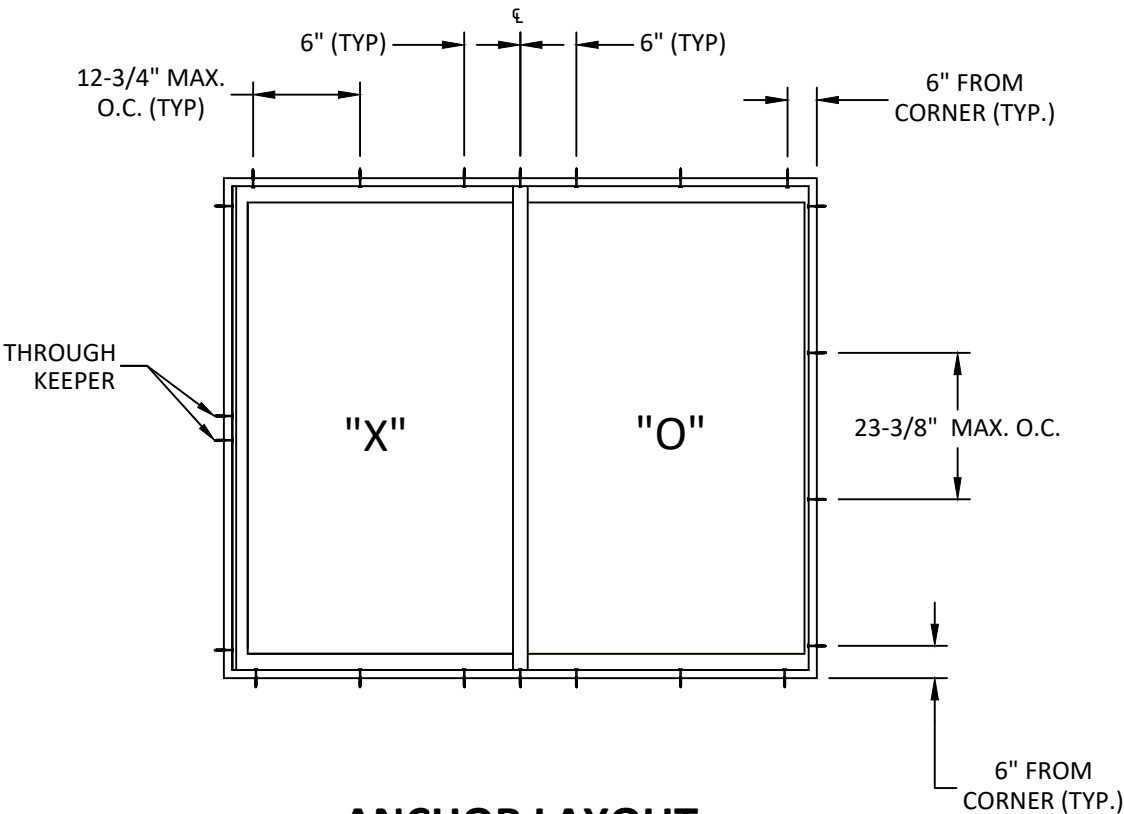
ELEVATION



ELEVATION



**ANCHOR LAYOUT
NAIL FIN**



**ANCHOR LAYOUT
THROUGH FRAME**

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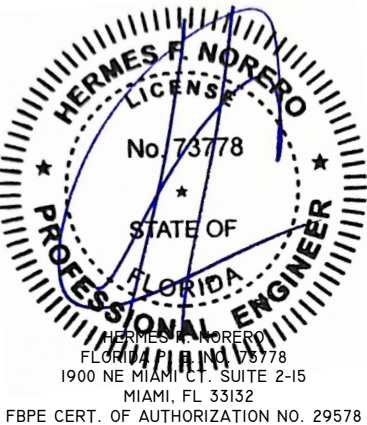
VERTICAL SECTIONS

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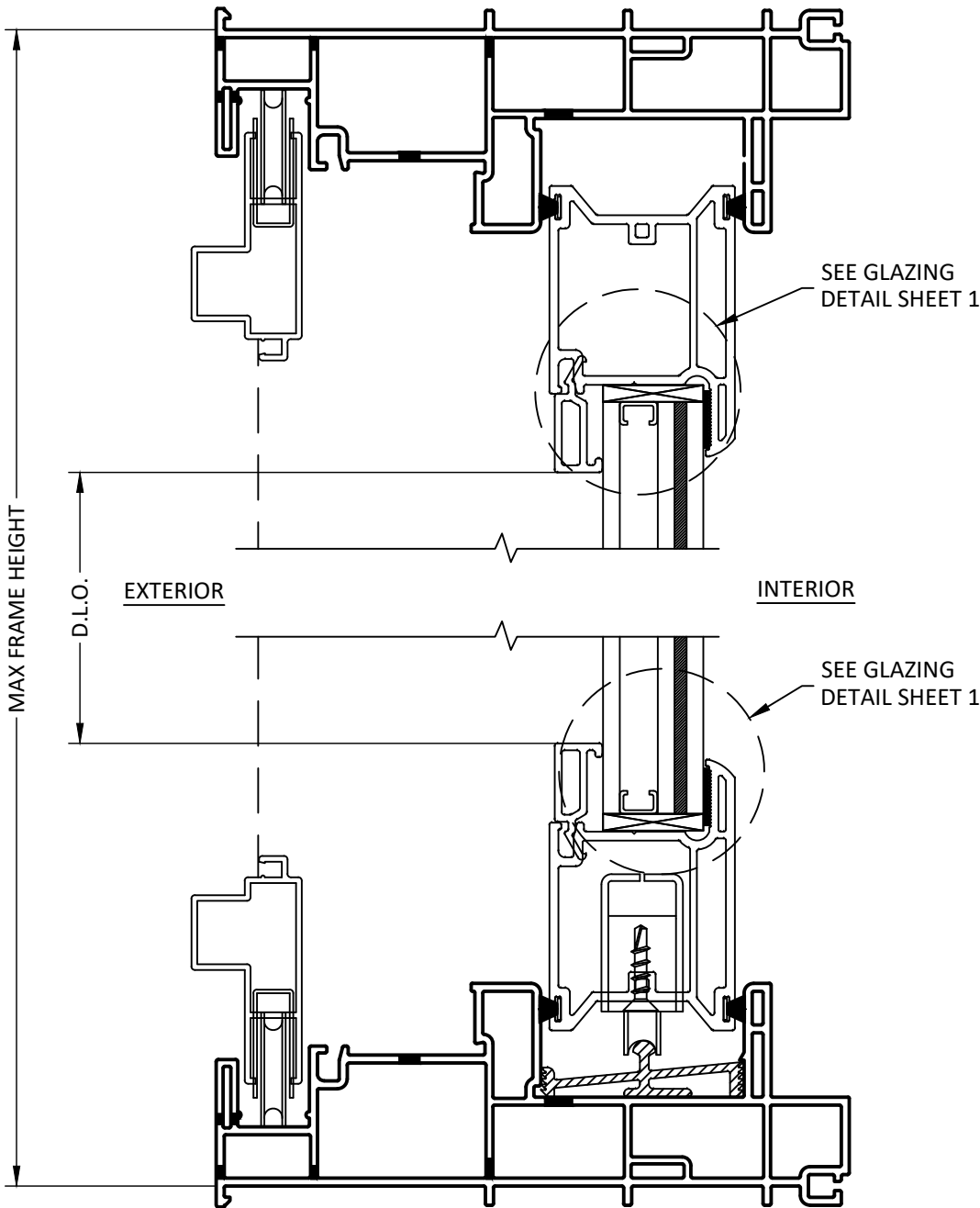
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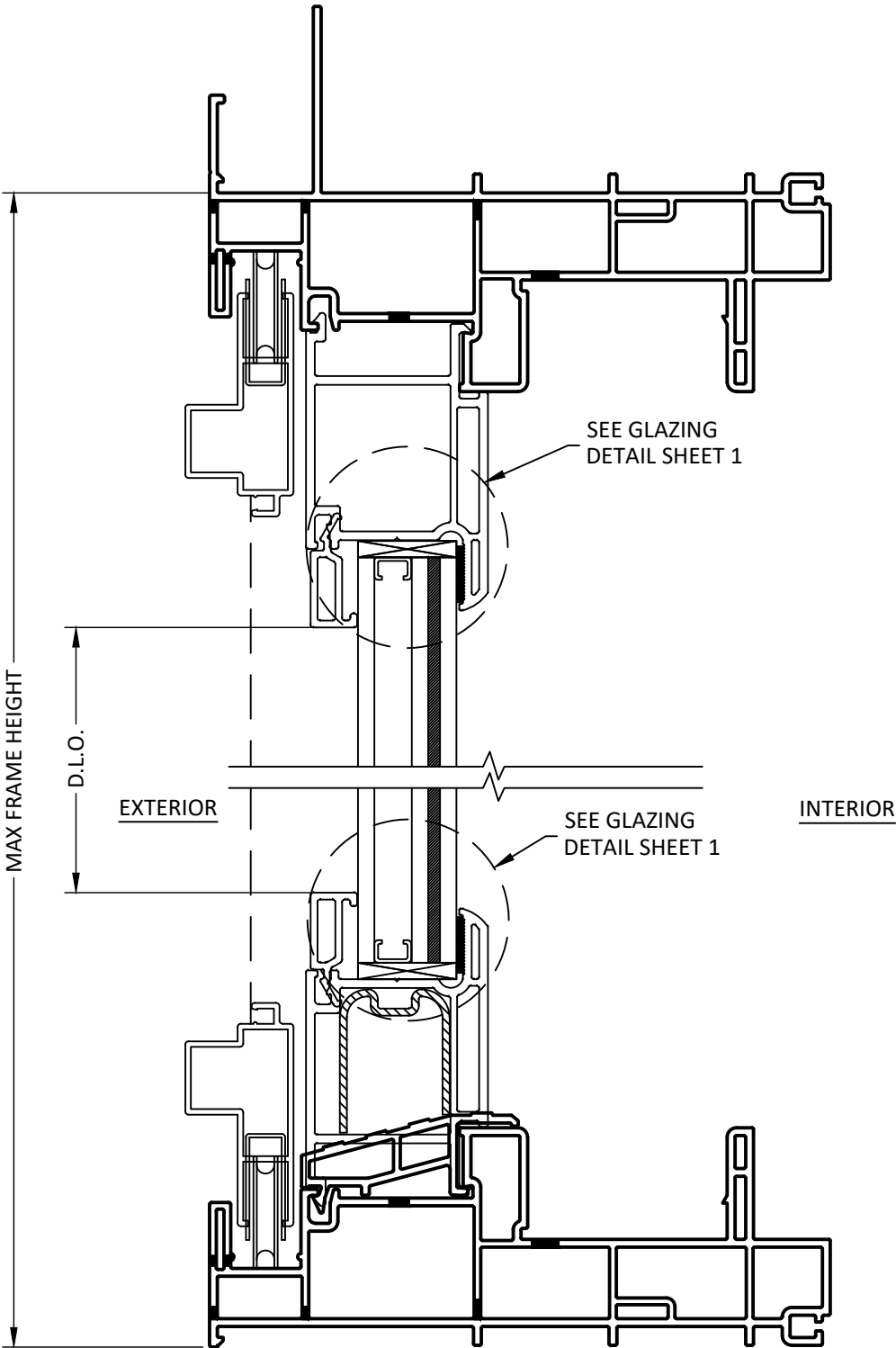
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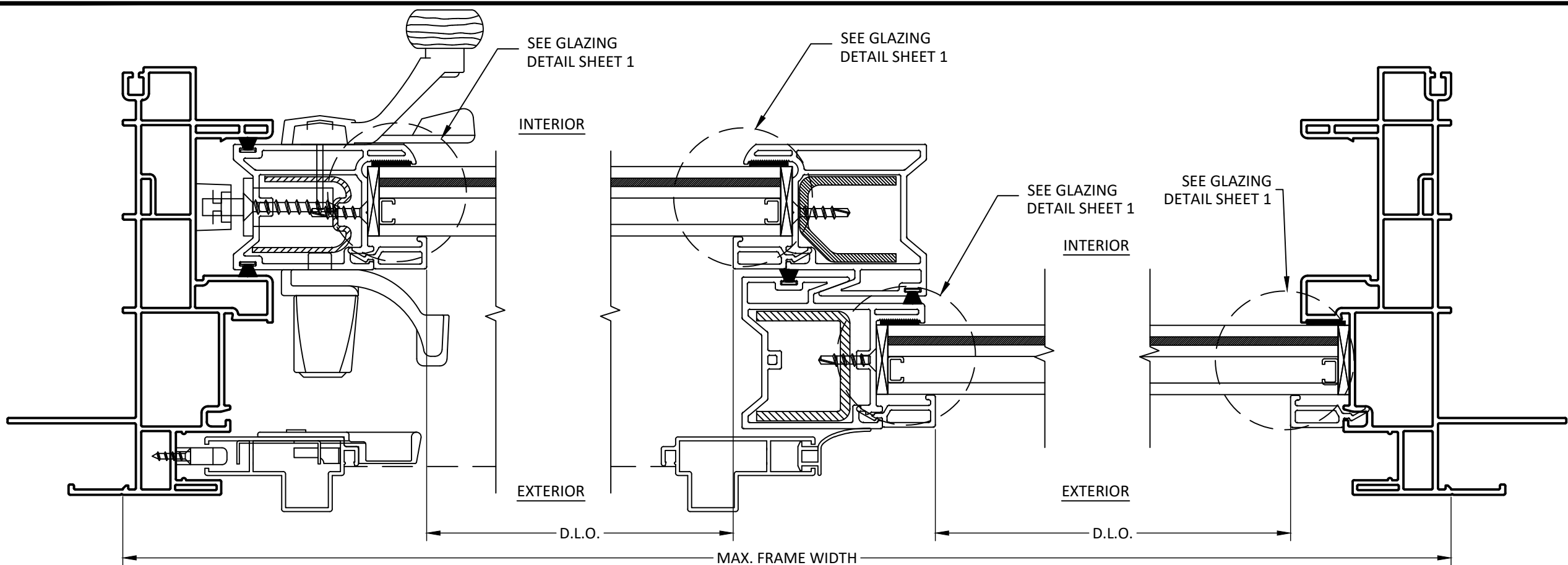
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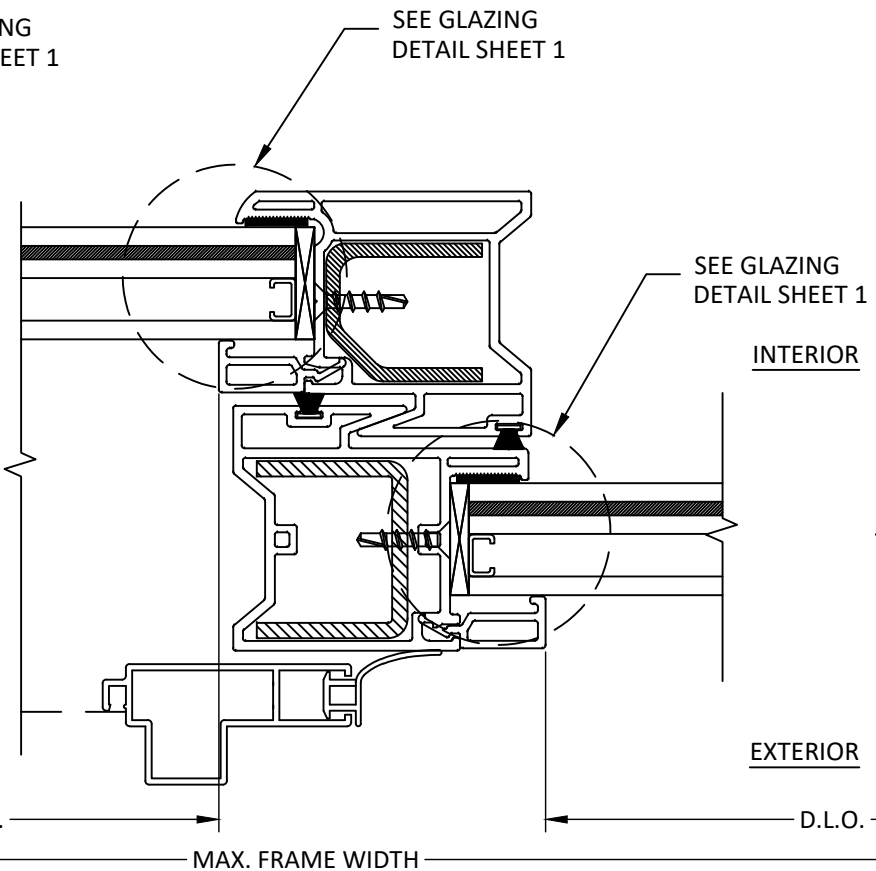
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3 **VERTICAL SECTION**
THROUGH FRAME



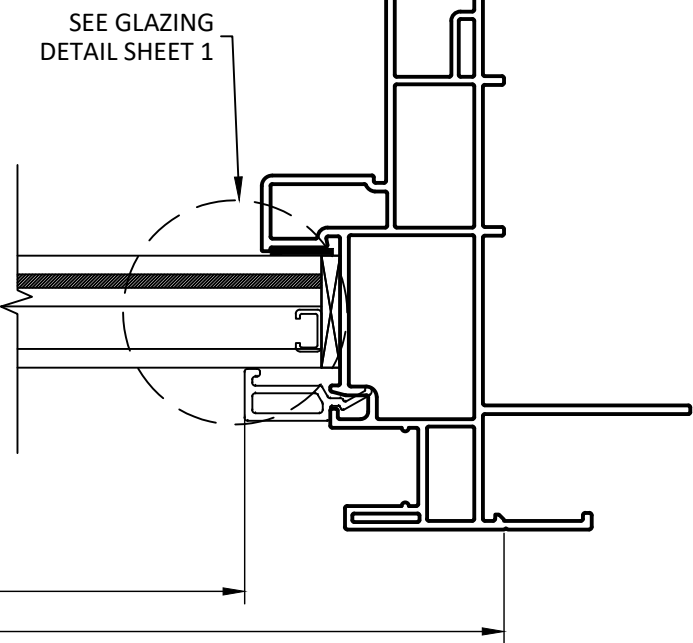
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3 **VERTICAL SECTION**
NAIL FIN



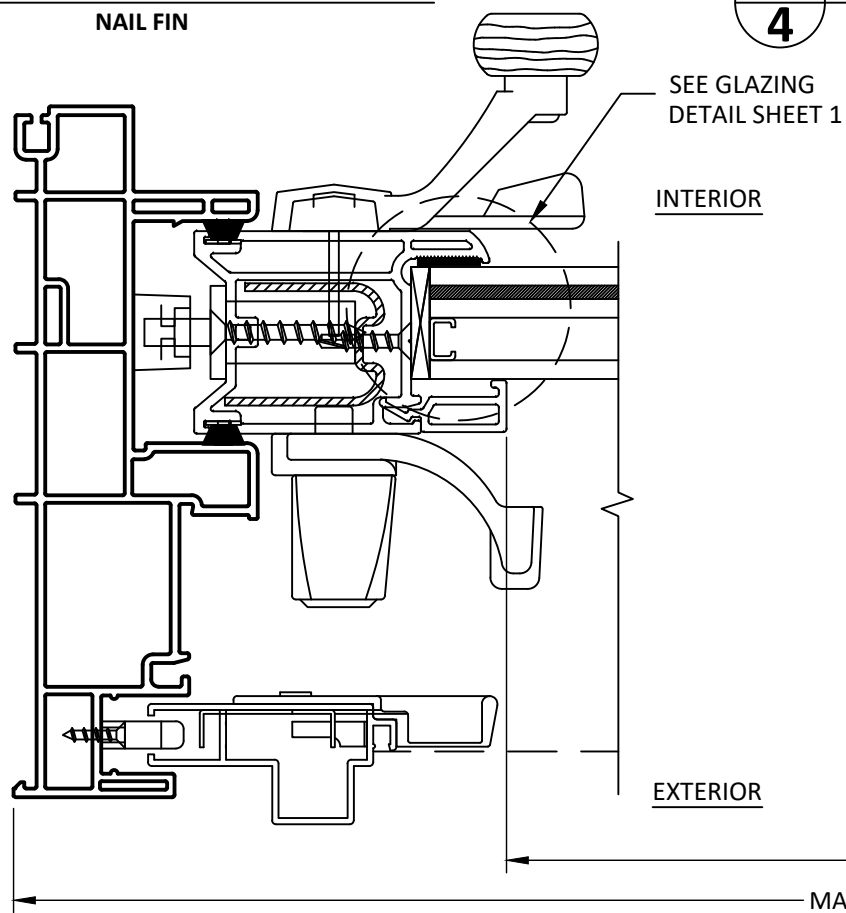
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4 **HORIZONTAL SECTION**
NAIL FIN



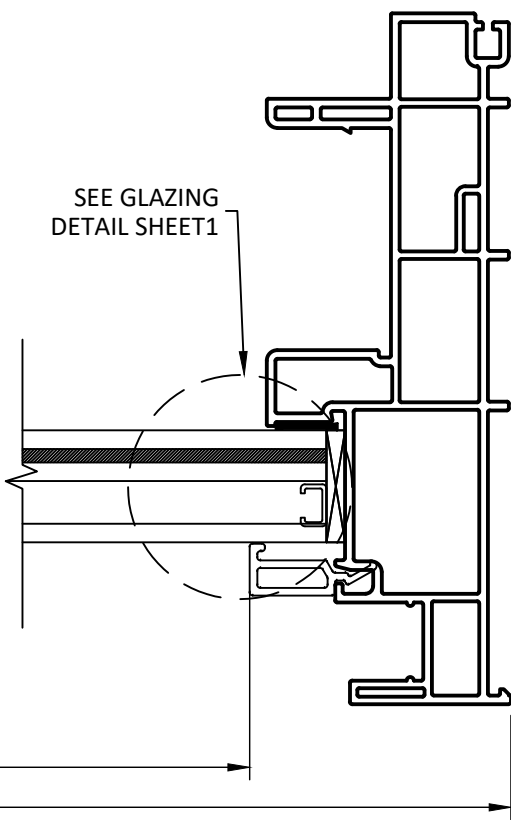
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4 **HORIZONTAL SECTION**
MEETING RAILS



C
4 **HORIZONTAL SECTION**
NAIL FIN



D
4 **HORIZONTAL SECTION**
THROUGH FRAME



E
4 **HORIZONTAL SECTION**
THROUGH FRAME

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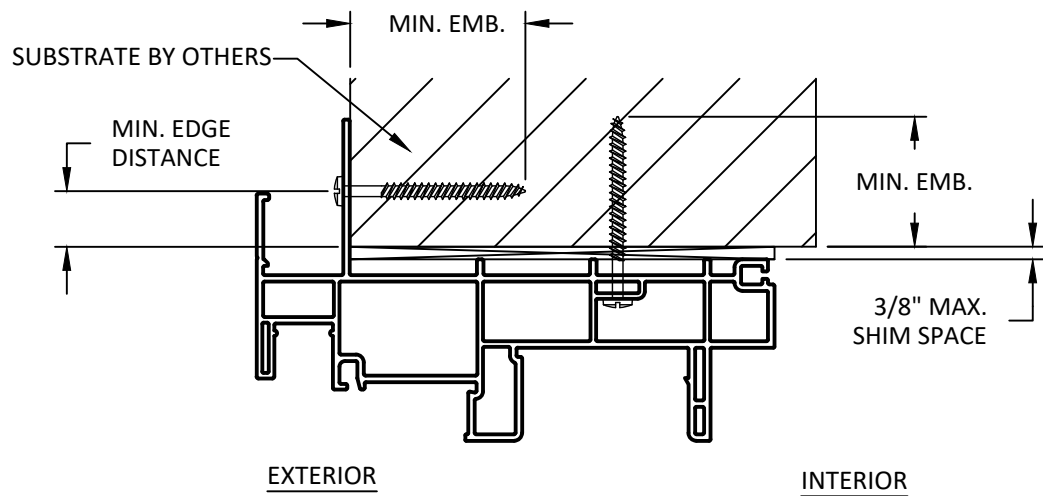
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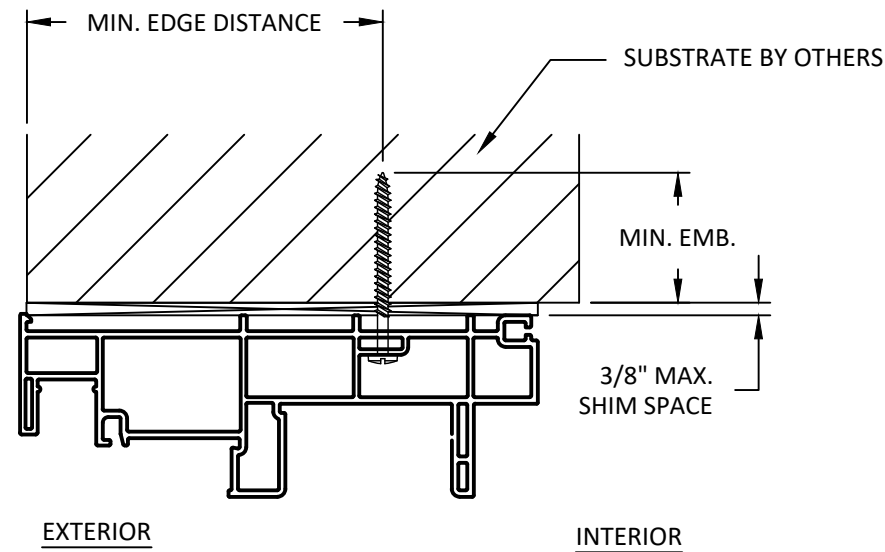
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4

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A
5 **ANCHOR DETAIL**
NAIL FIN



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

NOTE:
JAMB AND SILL HAVE SIMILAR DETAIL

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 ± 1.000 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". SHIM WHERE SPACE OF 1/16" 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
THROUGH FRAME	WOOD: MIN. SG = 0.55	#14 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=2000PSI	1/4" ITW TAPCON	1-3/4"	2-1/2"
	MASONRY: CMU per ASTM C90	1/4" ITW TAPCON	1-3/4"	2-1/2"
NAIL FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1-1/2"	3/4"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	3/4"

NOTE: ALL SCREWS SHALL BE PAN, TRUSS OR HEX WASHER HEAD.

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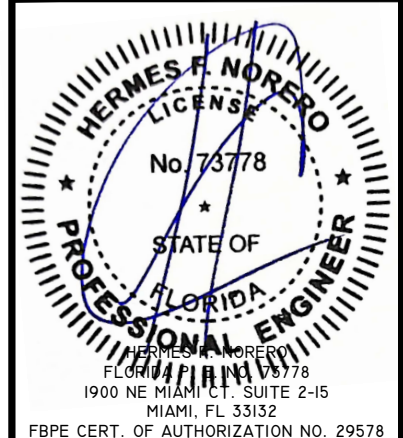
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