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ANDERSEN CORPORATION

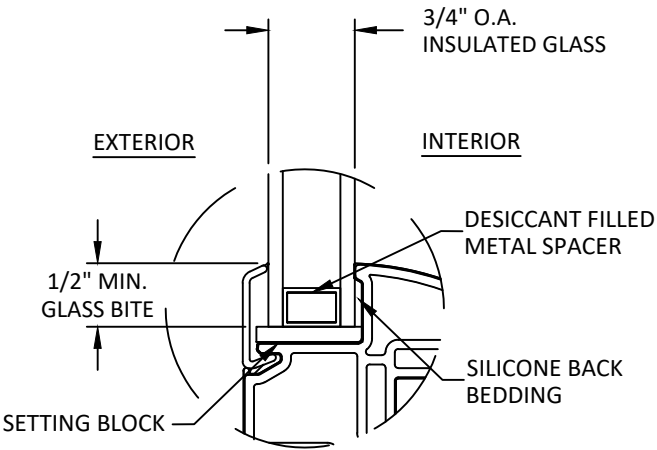
100 SERIES CASEMENT WINDOW WITH PG UPGRADE (NON-HVHZ)(NON-IMPACT)

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/A440-17
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: FIBREX.
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300. SEE SHEET 1 FOR GLAZING DETAIL.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL
- CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.

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1	GENERAL NOTES AND GLAZING DETAIL
2	ELEVATIONS AND ANCHOR LAYOUT
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6	ANCHOR DETAILS, INSTALLATION NOTES, & ANCHOR SCHEDULE

DESIGN PRESSURE TABLE				
SIZE	CONFIGURATION	FRAME MATERIAL	DESIGN PRESSURE	MISSILE IMPACT RATING
35.5" X 71.5"	X	FIBREX	+50/-50 PSF	NON-IMPACT
71.5" X 71.5"	XX	FIBREX	+50/-50 PSF	NON-IMPACT
143.5" X 65.5"	XOX	FIBREX	+50/-50 PSF	NON-IMPACT



GLAZING DETAIL 1

- GLAZING NOTES:
- GLASS TYPE 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.
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
 - SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
 - DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLE ON SHEET 1.



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GENERAL NOTES AND
GLAZING DETAIL

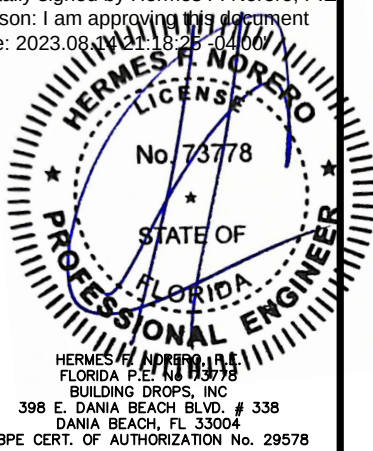
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DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
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REMARKS	BY	DATE
8TH FBC CODE CHANGE	SH	5.30.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.14 11:18:25 -0400



FL #:

FL15908

DATE: 06.01.18

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SCALE: NTS

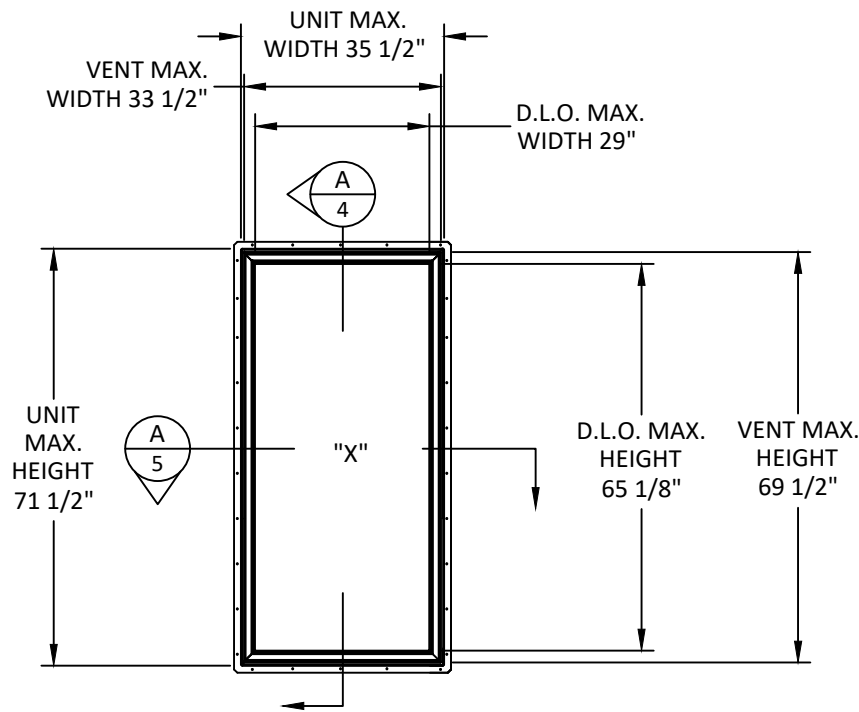
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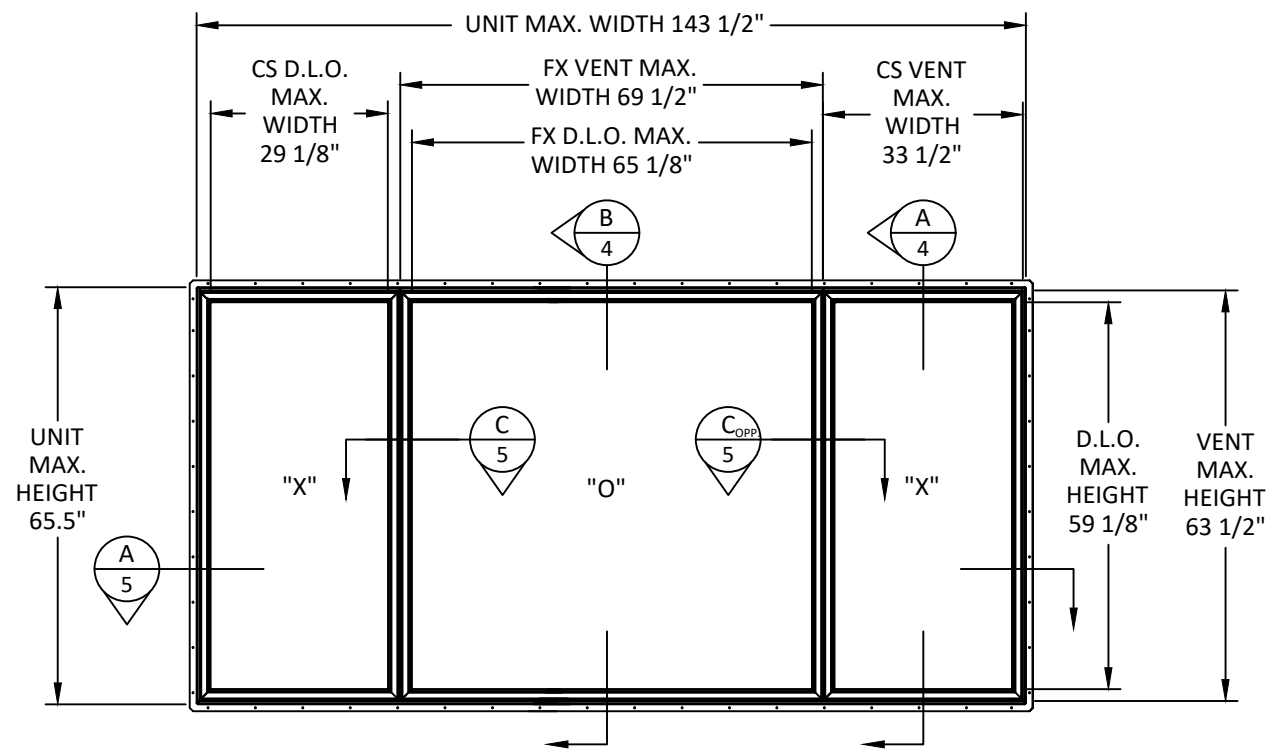
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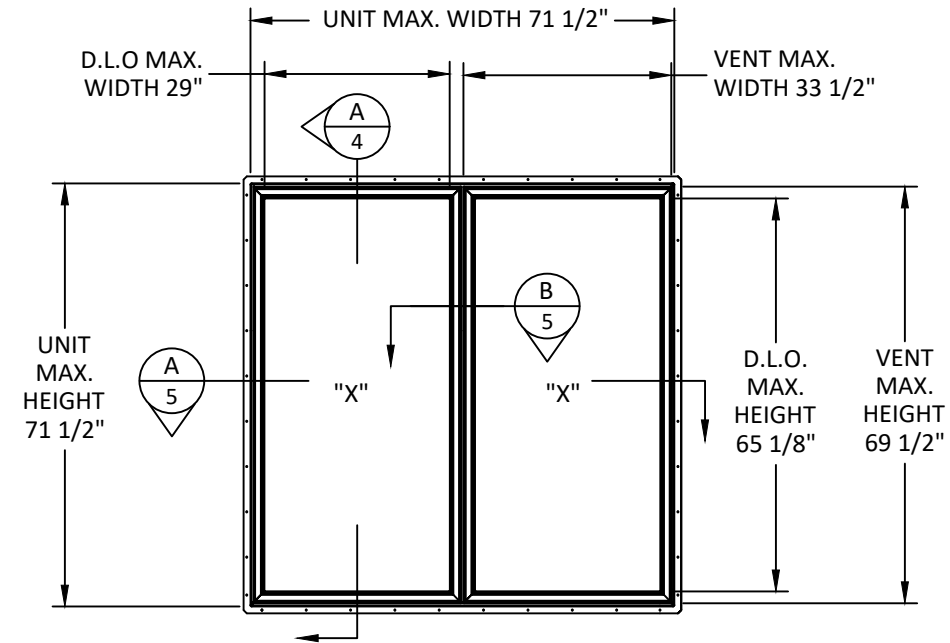
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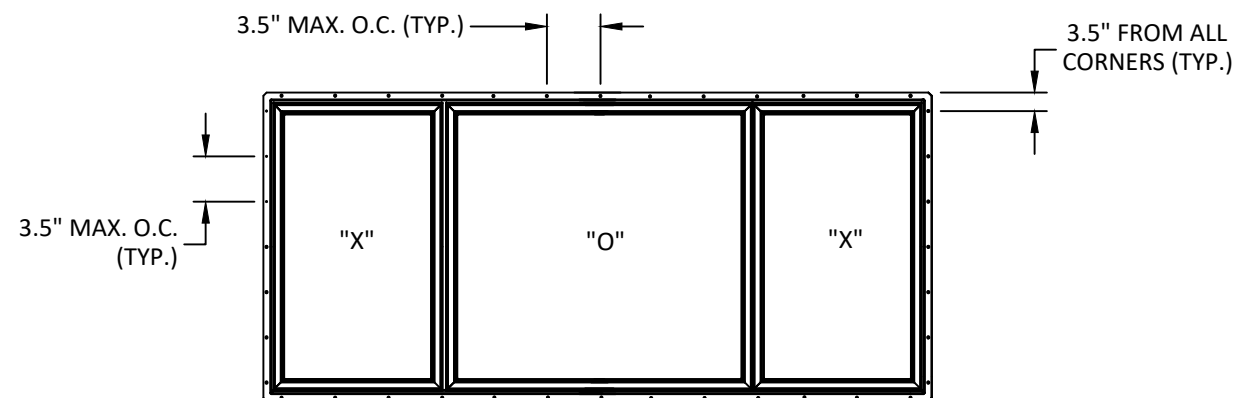
ELEVATION
X



ELEVATION
XOX



ELEVATION
XX



ANCHOR LAYOUT - NAIL FIN
APPLIES TO ALL
CONFIGURATIONS

NOTE: APPROVED "X" CONFIGURATIONS
MAY BE "O" CONFIGURATIONS



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ELEVATIONS AND
ANCHOR LAYOUT

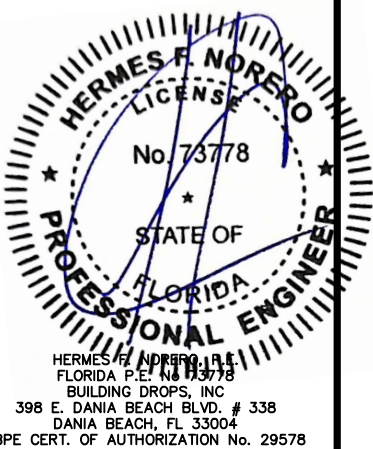
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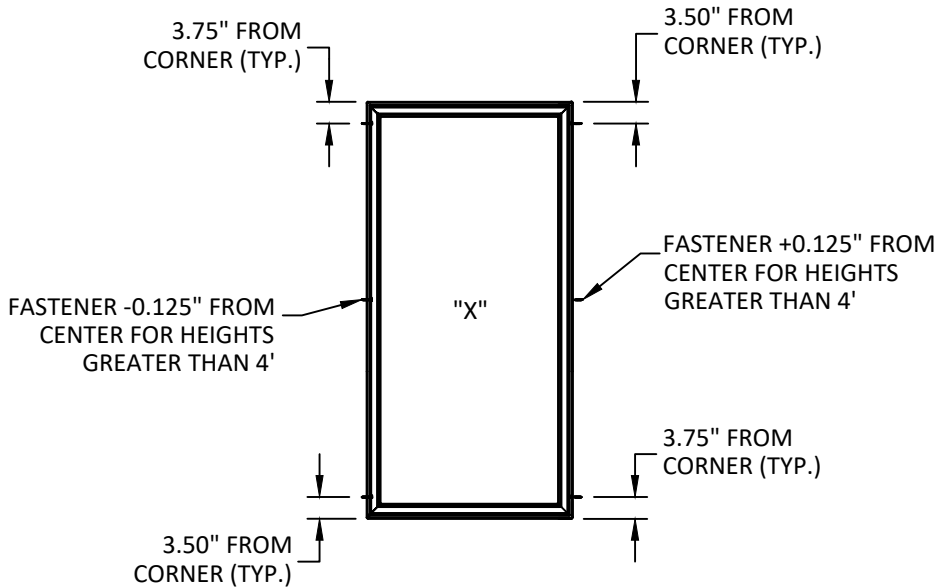
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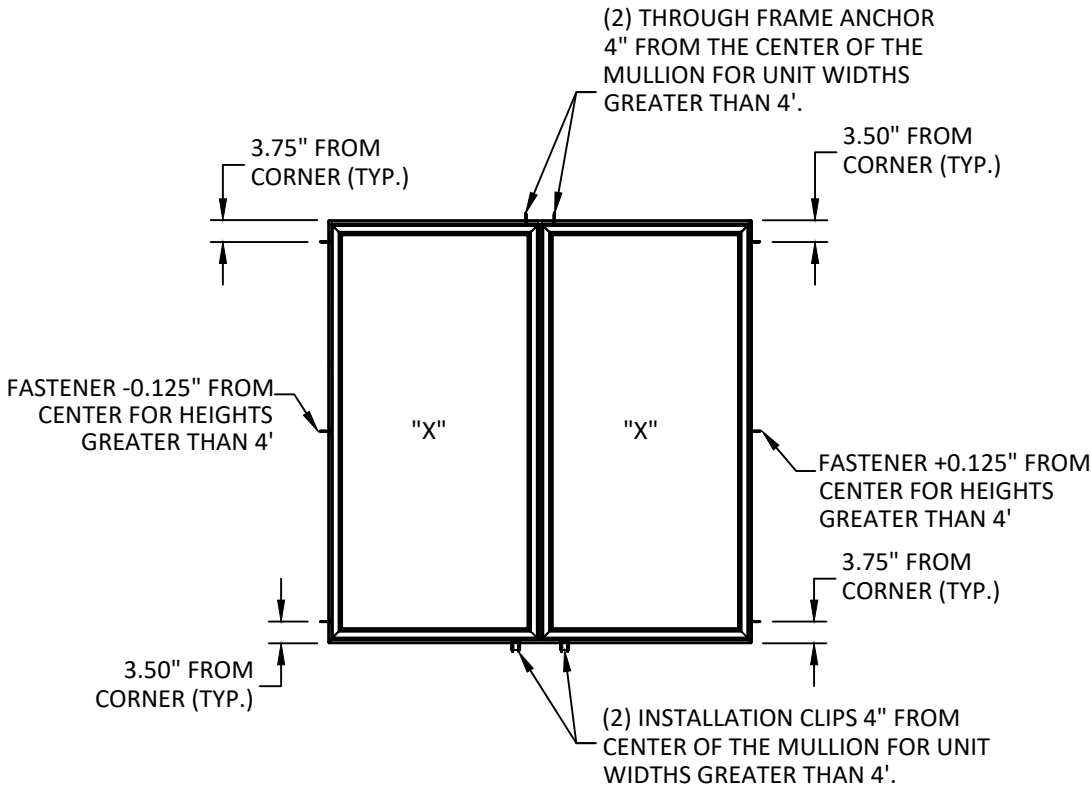


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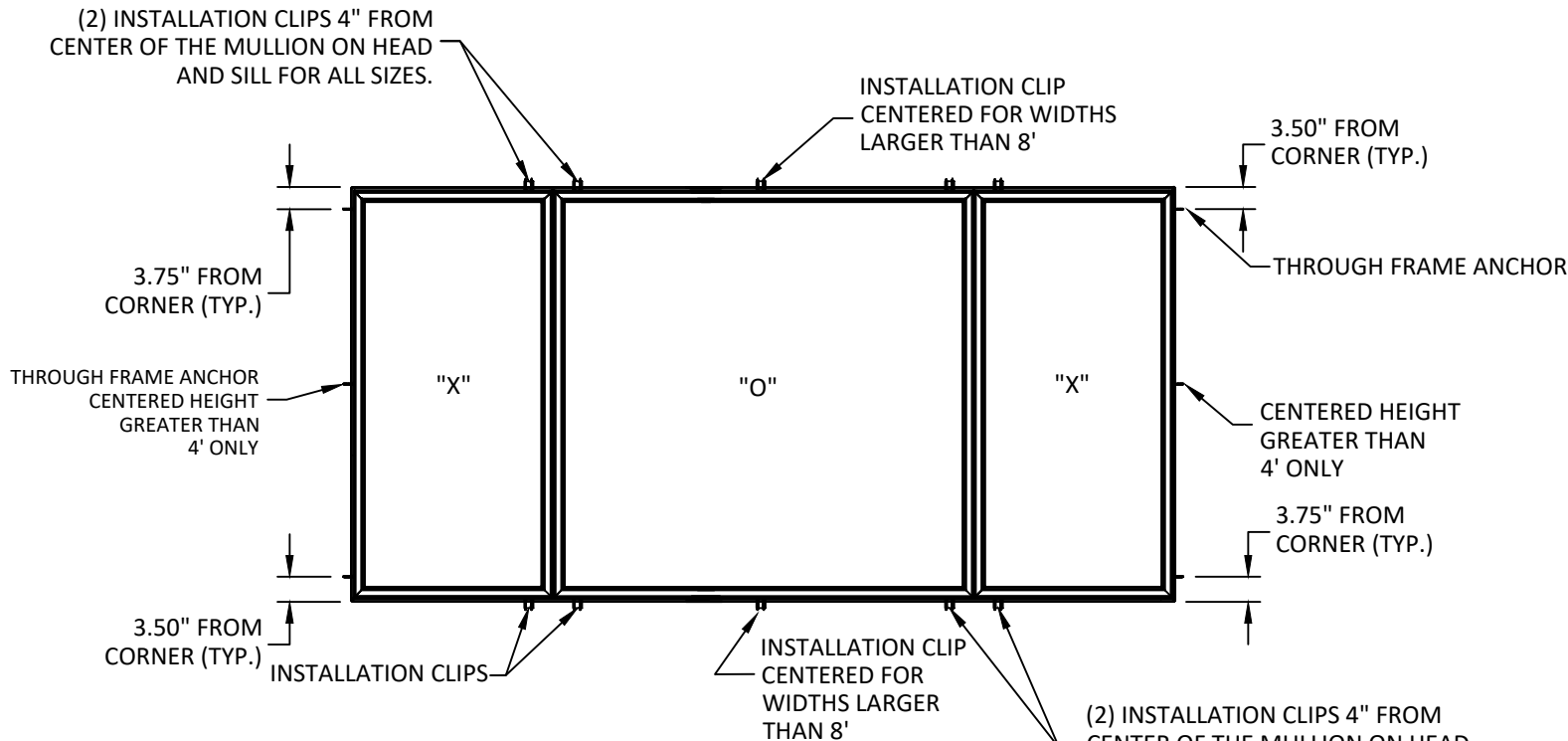
NOTE:
1. ALL MULLED UNITS SHOWN ARE INTEGRAL MULLED UNITS.
2. INSTALLATION CLIPS ARE USED AT THE HEAD AND SILL ALONG WITH THROUGH FRAMES AT THE JAMB AS SHOWN IN THE ANCHOR LAYOUTS BELOW.



ANCHOR LAYOUT
THROUGH FRAME
"X" UNITS FOR SIZES UP TO 35.5" x 71.5"



ANCHOR LAYOUT
THROUGH FRAME
"XX" UNITS FOR SIZES UP TO 71.5" x 71.5"



ANCHOR LAYOUT
THROUGH FRAME
"XOX" UNITS FOR SIZES UP TO 143.5" x 65.5"



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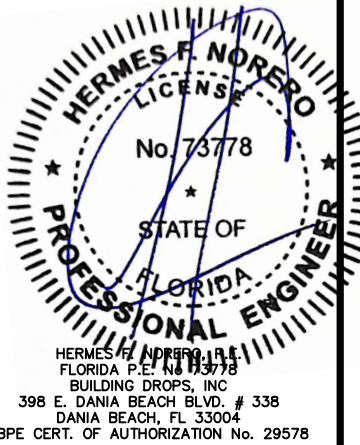
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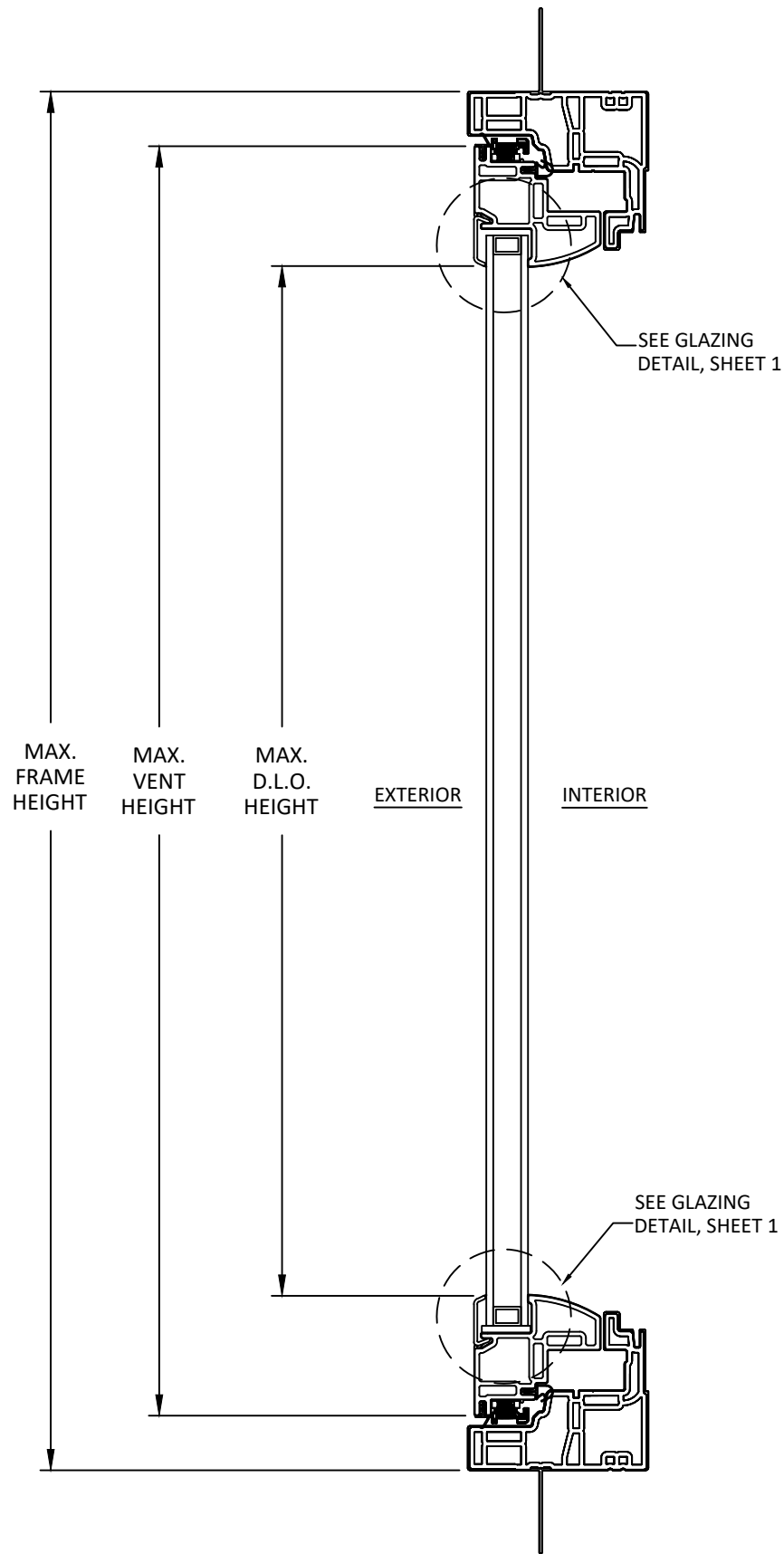
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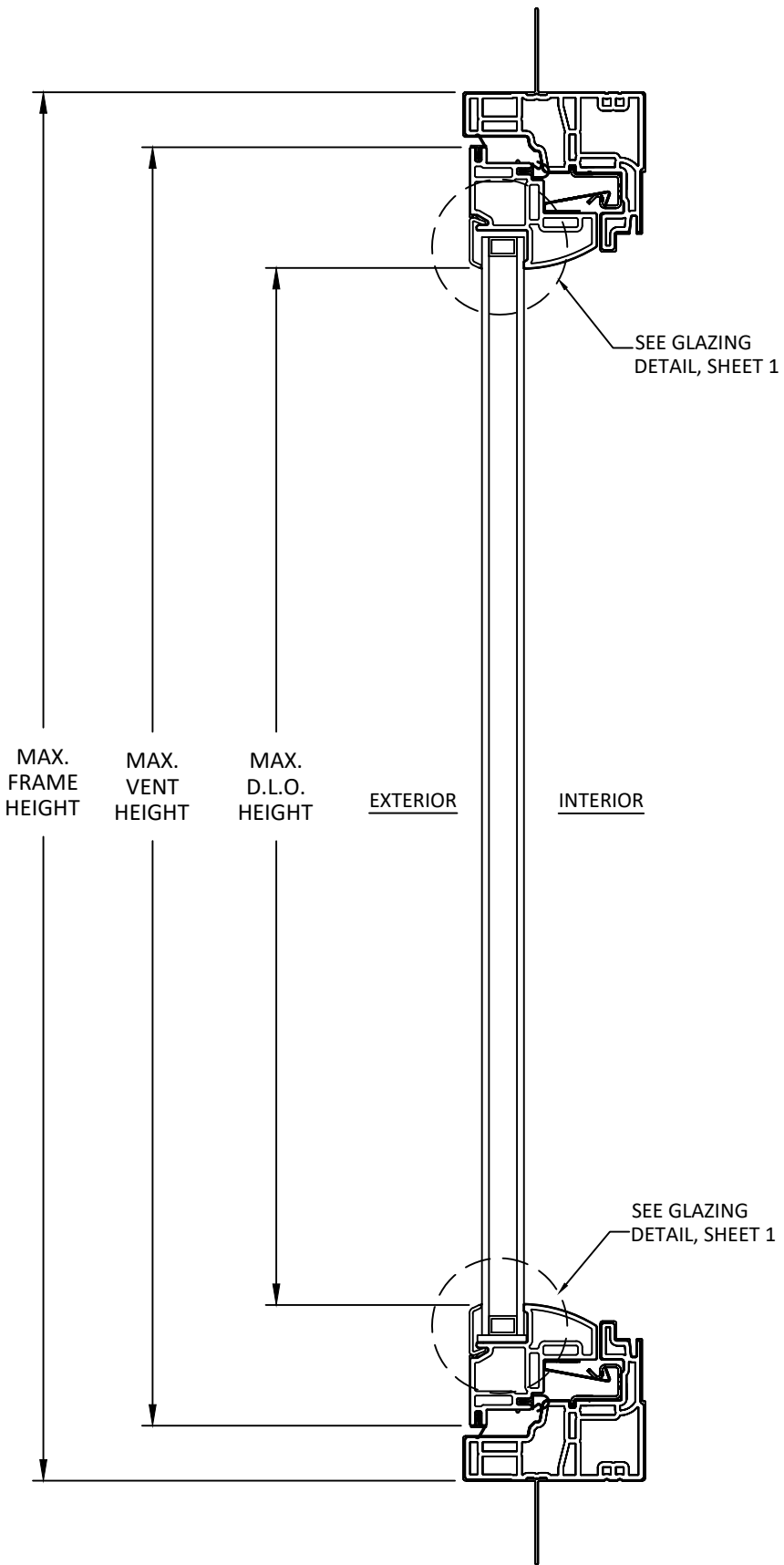


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A
4 **VERTICAL SECTION**
OPERABLE VENT



B
4 **VERTICAL SECTION**
FIXED VENT



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VERTICAL SECTIONS

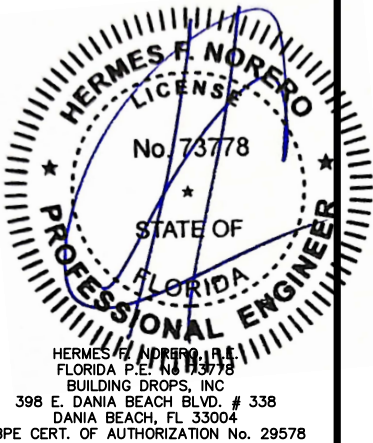
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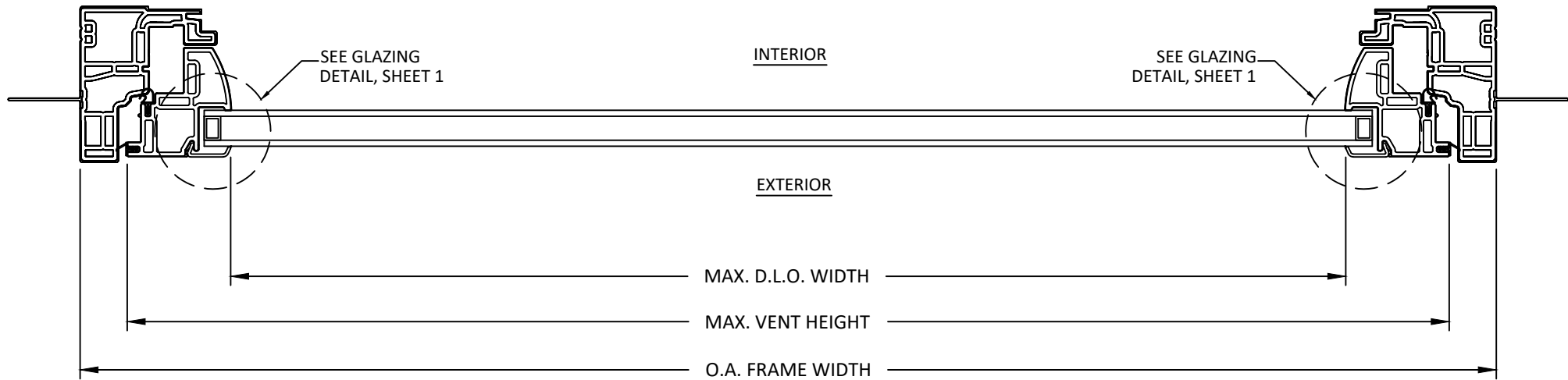
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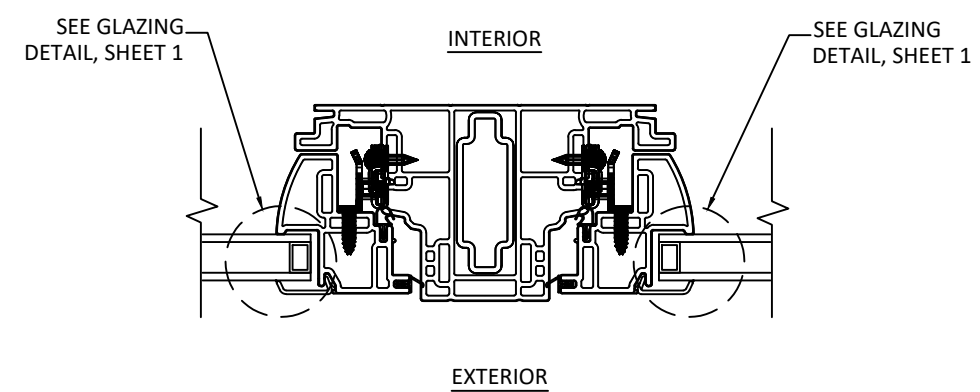


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SHEET:	4

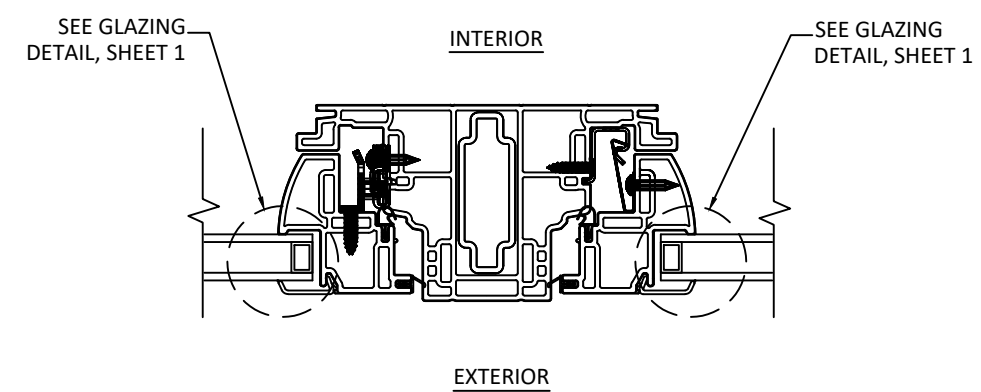
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A
5 HORIZONTAL SECTION



B
5 HORIZONTAL SECTION
VERTICAL INTEGRAL MULLION -XX



C
5 HORIZONTAL SECTION
VERTICAL INTEGRAL MULLION - XO



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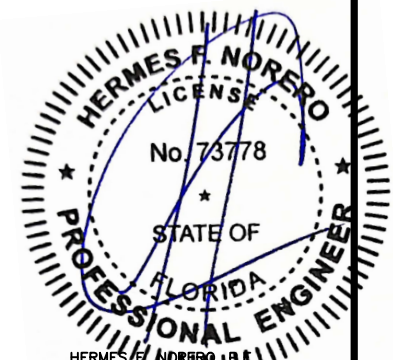
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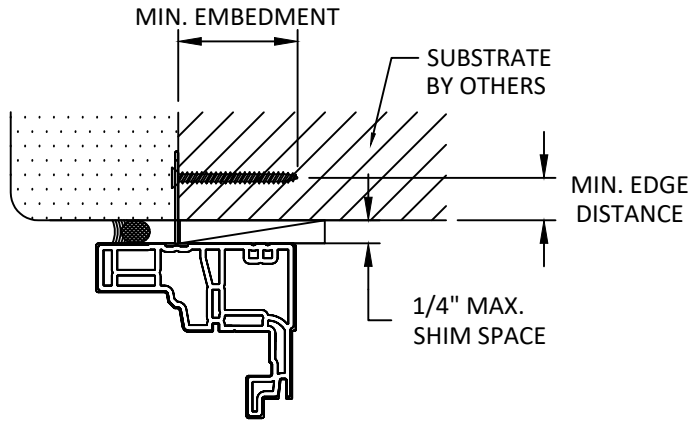
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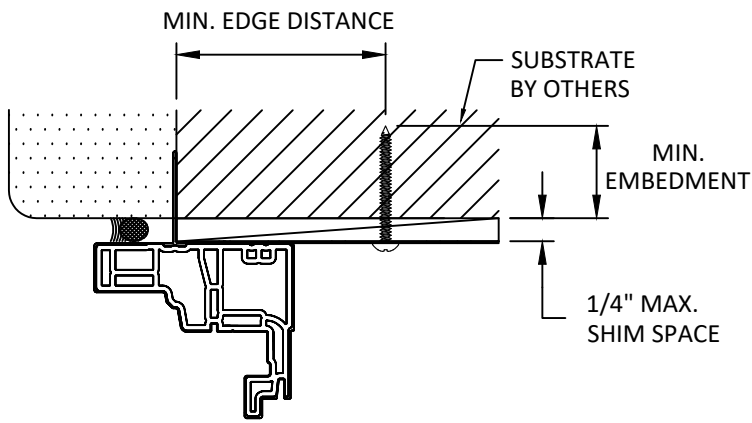
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BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
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FBPE CERT. OF AUTHORIZATION No. 29578

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SHEET:	5



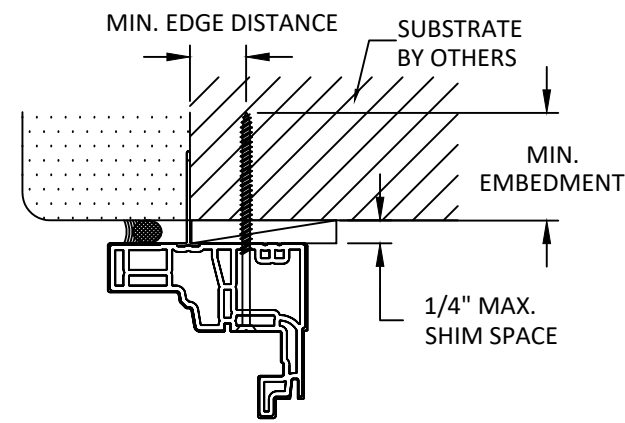
A
6 **ANCHOR DETAIL**
NAIL FIN (OPTIONAL WITH 2X BUCK)

SILL & JAMB HAVE A SIMILAR DETAIL.



B
6 **ANCHOR DETAIL**
INSTALLATION CLIP

SILL & JAMB HAVE A SIMILAR DETAIL.



C
6 **ANCHOR DETAIL**
THRU FRAME INSTALLATION

SILL & JAMB HAVE A SIMILAR DETAIL.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED. FOR MULLED UNITS PLACE (2) ANCHORS 3" FROM THE END OF MULLION AND 1" O.C. ON EACH SIDE.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 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 MASONRY OR CONCRETE OPENINGS, A 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.
- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 18 GAUGE.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASCTM C-90, MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME OR INSTALLATION CLIP	WOOD: MIN. SG=0.55	#10 WOOD SCREW	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy=33KSI	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
	CONCRETE: f'c=3000PSI	3/16" DEWALT ULTRACON+	1.5"	2.25"
	MASONRY: CMU per ASTM C90 f'c=2000PSI	3/16" ELCO ULTRACON	1.5"	2.00"
NAIL FIN	WOOD: MIN. SG=0.55	#8 WOOD SCREW	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy=33KSI	#8 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"



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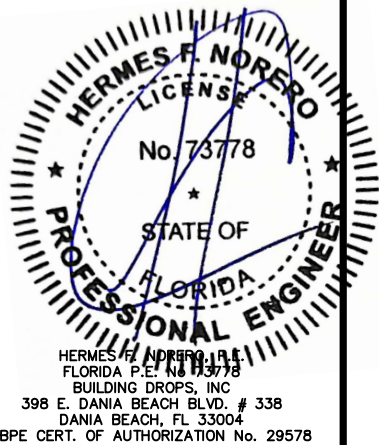
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SHEET: **6**