

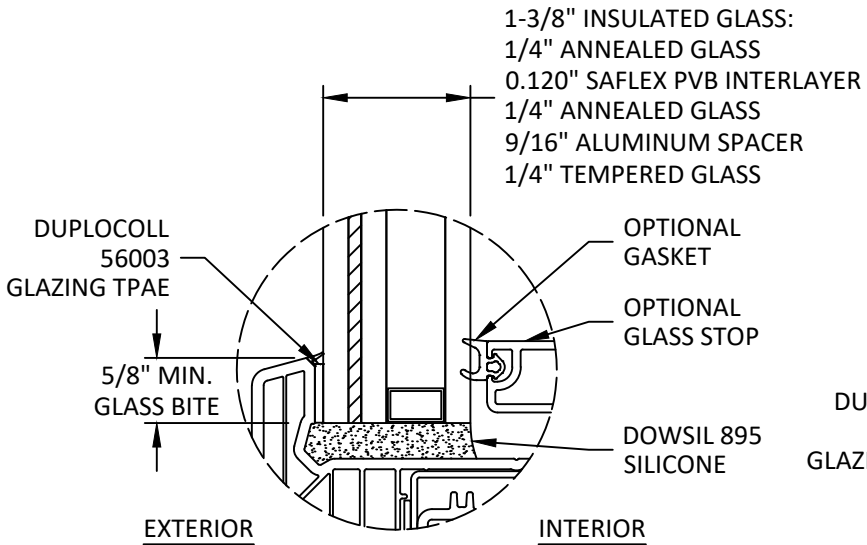
OKNOPLAST SP. Z O.O.
PAVA SERIES TILT & TURN WINDOW
(HVHZ) (IMPACT)

GENERAL NOTES:

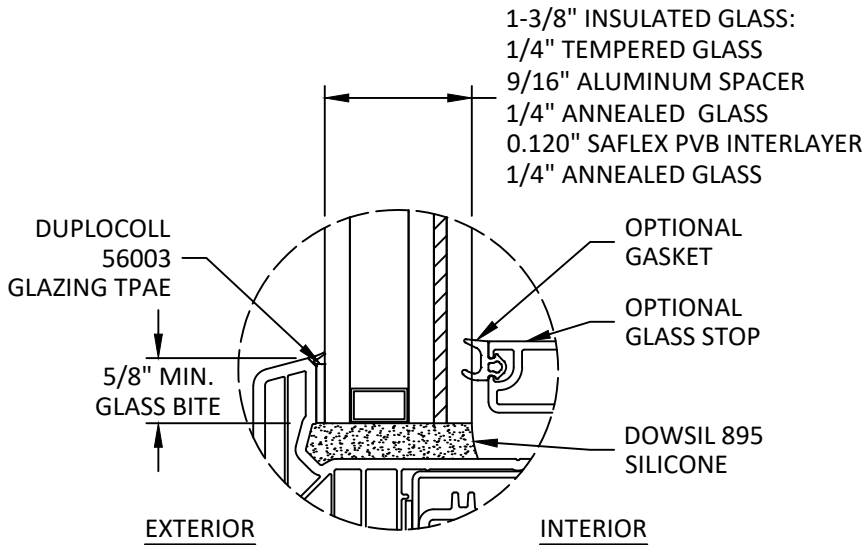
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) **INCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E283/E283M-19
 - ASTM E330/E330M-14(21)
 - ASTM E331-00(16)
 - ASTM E1886-19
 - ASTM E1996-20
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X 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 NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: uPVC.
- ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
- GLASS MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND GLAZING DETAILS
2	TYPICAL ELEVATION, ANCHOR LAYOUTS, AND DESIGN PRESSURE TABLE
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	INSTALLATION DETAILS AND NOTES

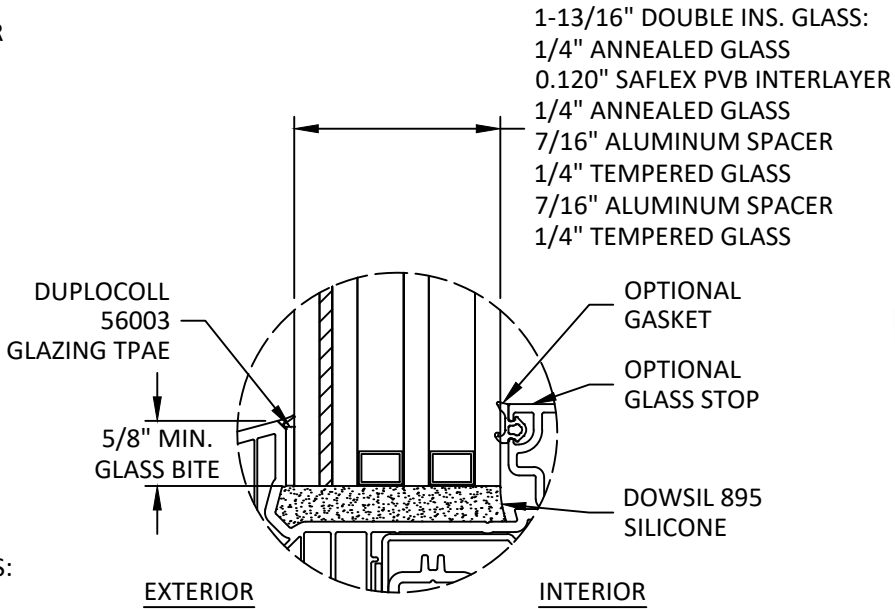
DESIGN PRESSURE RATING		
FRAME SIZE	DESIGN PRESSURE	MISSILE RATING
SEE SHEET 2		LARGE AND SMALL MISSILE IMPACT



GLAZING DETAIL 1



GLAZING DETAIL 3



GLAZING DETAIL 2

GLAZING NOTES:

- GLASS TYPE & THICKNESS COMPLIES 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.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN SHEET 2.



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GENERAL NOTES & GLAZING DETAILS

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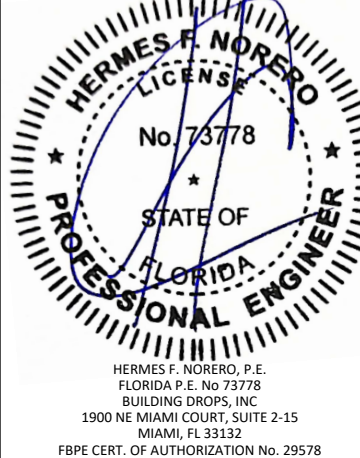
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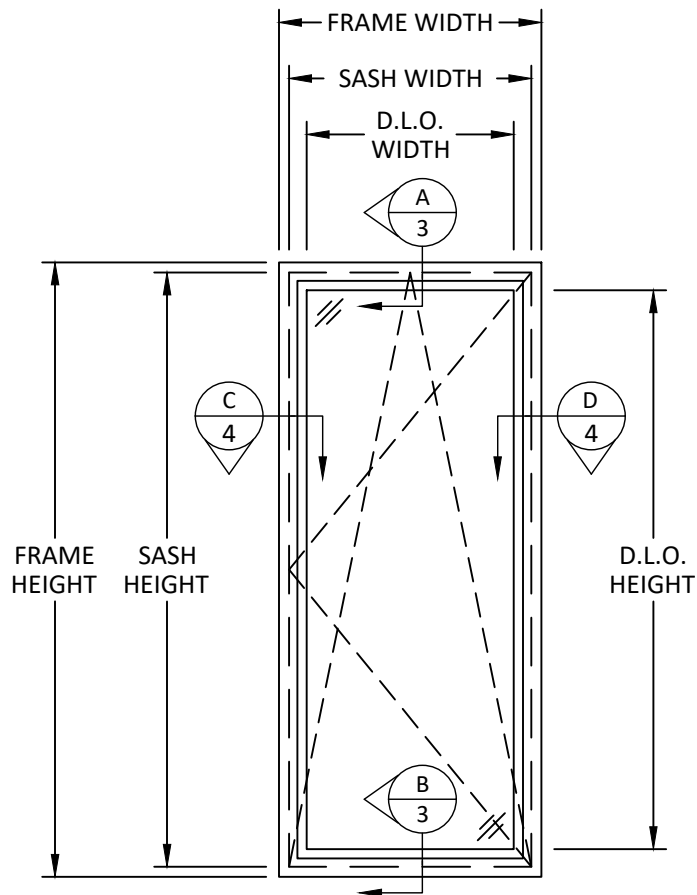
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Date: 2026.02.16 10:29:22 -05'00'



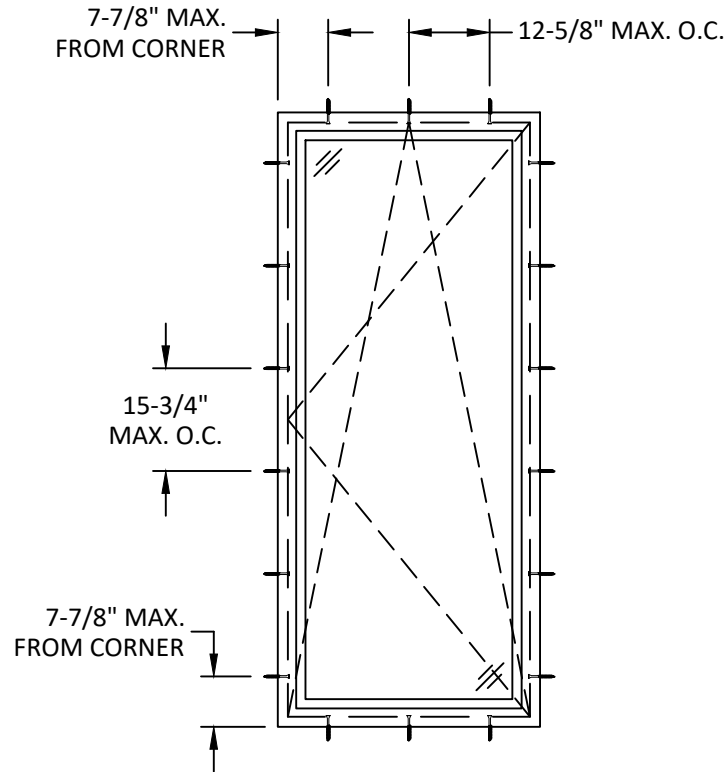
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SCALE:	NTS
DWG. #:	OKN006
SHEET:	1

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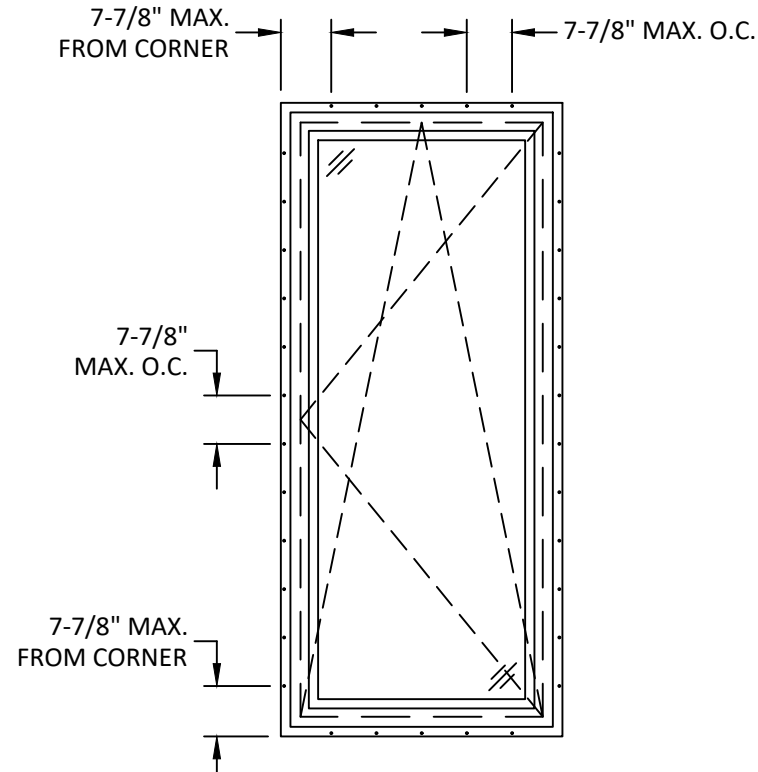


TYPICAL ELEVATION

SASH HEIGHT = FRAME HEIGHT - 3 1/8"
SASH WIDTH = FRAME WIDTH - 3 1/8"
D.L.O. HEIGHT = FRAME HEIGHT - 8 5/8"
D.L.O. WIDTH = FRAME WIDTH - 8 5/8"



ANCHOR LAYOUT
THROUGH FRAME



ANCHOR LAYOUT
NAIL FIN

DESIGN PRESSURE TABLE (PSF)										
FRAME HEIGHT (IN.)	FRAME WIDTH (IN.)									
	24	27	30	33	36	39	41	45	48	51
72	67.50	67.50	67.50	67.50	67.50	67.50	67.50	45.16	34.24	26.43
78	67.50	67.50	67.50	67.50	67.50	67.50	67.50	45.16	34.24	-
84	67.50	67.50	67.50	67.50	67.50	67.50	67.50	45.16	-	-
90	67.50	67.50	67.50	67.50	67.50	67.50	67.50	-	-	-
96	67.50	67.50	67.50	67.50	67.50	67.50	67.50	-	-	-
102	67.50	67.50	67.50	67.50	62.99	-	-	-	-	-
108	67.50	67.50	63.41	57.40	52.52	-	-	-	-	-
114	67.50	59.94	53.51	48.41	-	-	-	-	-	-
120	58.20	51.08	45.58	41.20	-	-	-	-	-	-
126	50.02	43.88	39.14	-	-	-	-	-	-	-
132	43.31	37.98	33.86	-	-	-	-	-	-	-
138	37.74	33.10	29.50	-	-	-	-	-	-	-
144	33.10	29.01	-	-	-	-	-	-	-	-
150	29.18	25.58	-	-	-	-	-	-	-	-
156	25.86	22.66	-	-	-	-	-	-	-	-
162	23.03	20.18	-	-	-	-	-	-	-	-
168	20.60	-	-	-	-	-	-	-	-	-

* ADDITIONAL HINGES AND LOCK POINTS SHALL BE REQUIRED FOR WINDOW WIDER OR TALLER THAN 41" X 96" TO MAINTAIN THE SAME MAXIMUM SPACING BETWEEN HINGES AND LOCK POINTS AS THE 41" X 96" TILT & TURN.



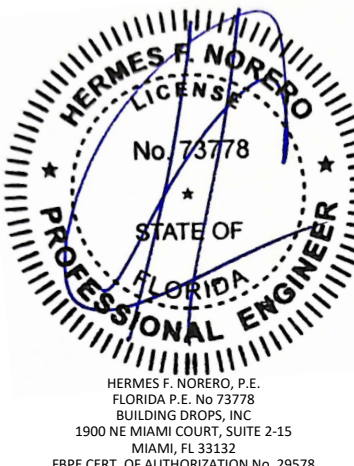
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PAVA SERIES TILT & TURN WINDOW
(HVHZ) (IMPACT)
TYPICAL ELEVATION, ANCHOR LAYOUTS,
& DESIGN PRESSURE TABLE

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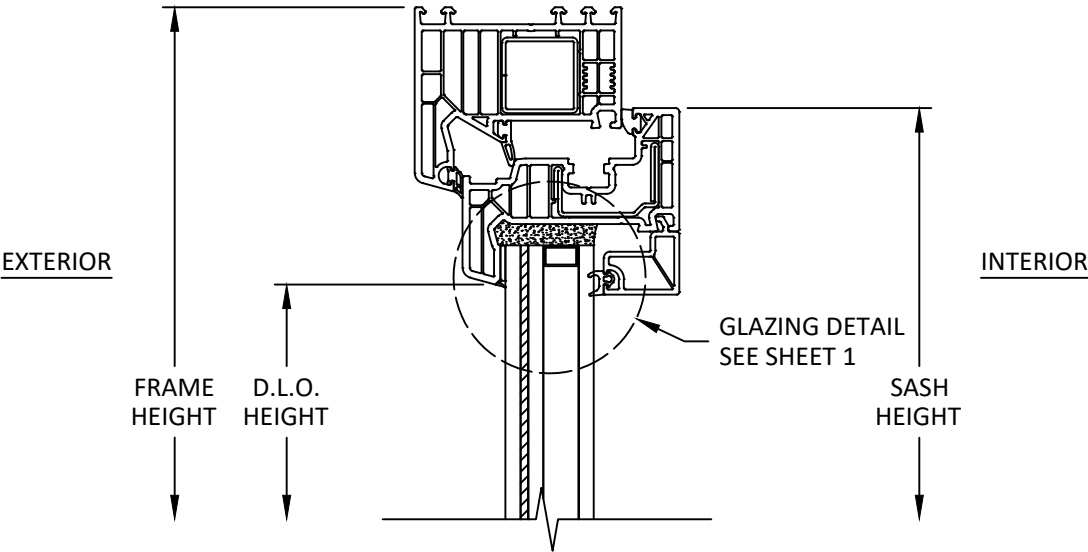
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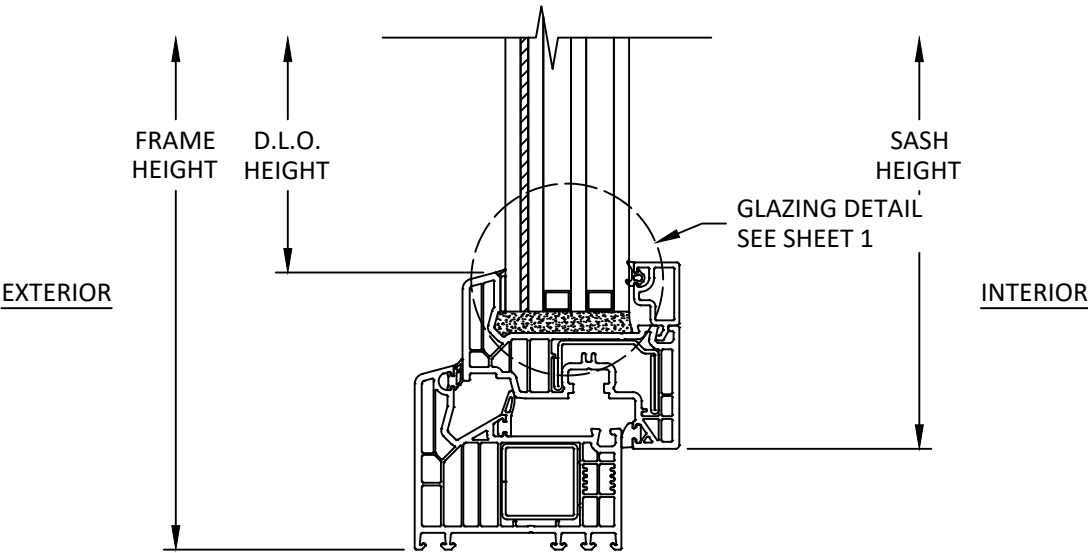
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SHEET:
2

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A
3 VERTICAL SECTION
HEAD



B
3 VERTICAL SECTION
SILL
DOUBLE INS. GLASS SHOW, SINGLE INS. GLASS SIMILAR



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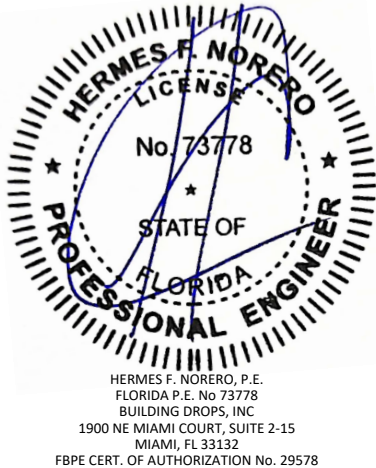
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VERTICAL SECTIONS

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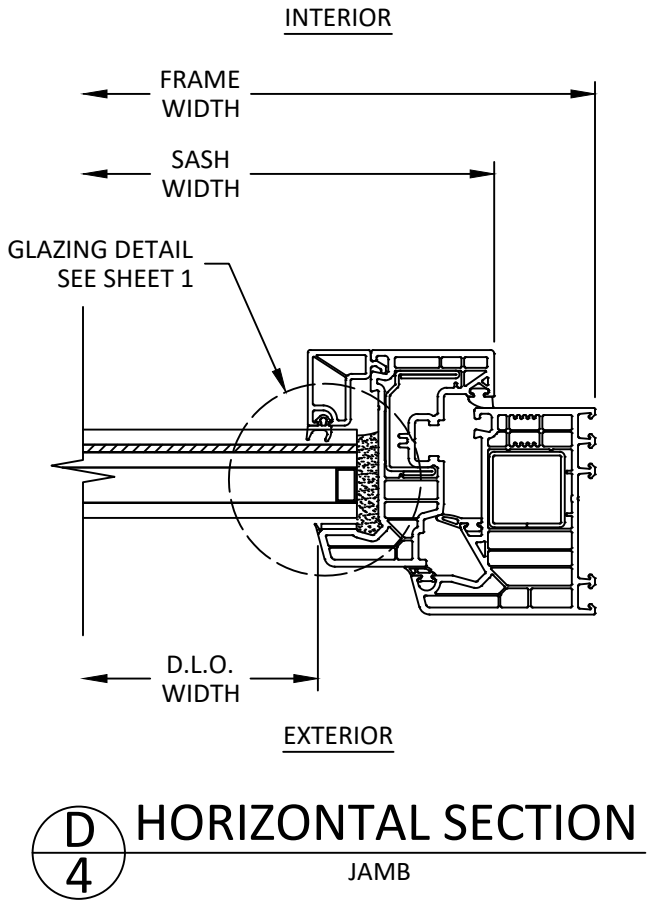
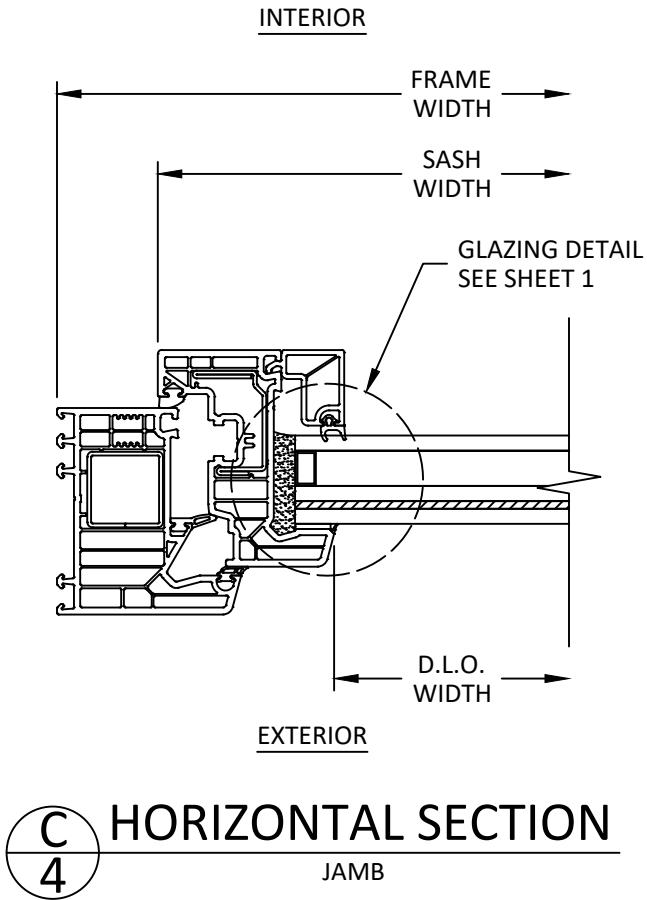
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SHEET:	3

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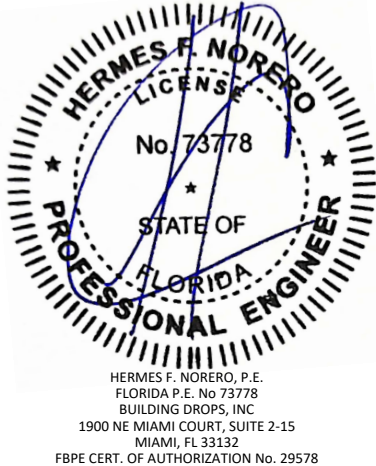
HORIZONTAL SECTIONS

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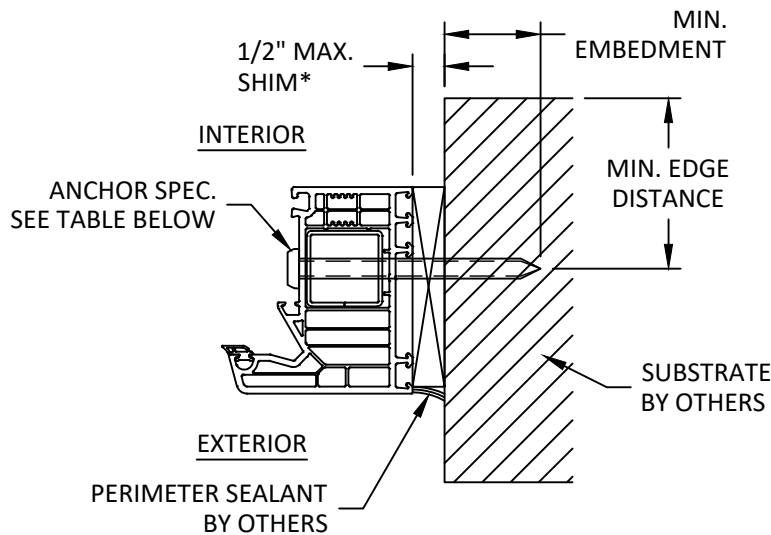
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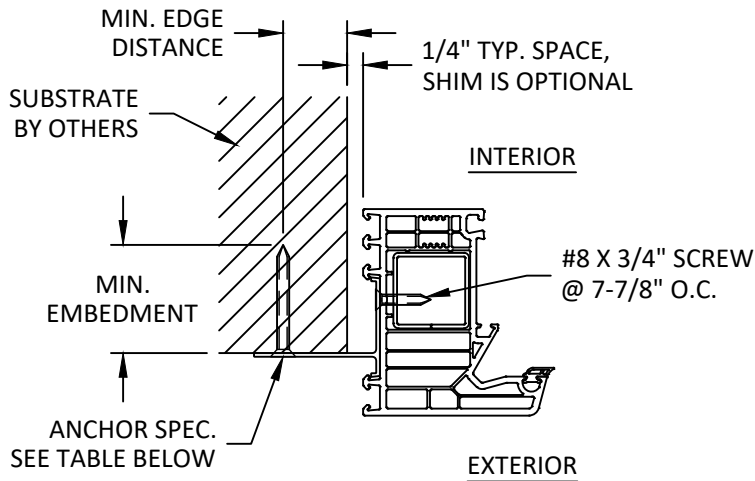
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DWG. #: **OKN006**

SHEET: **4**



E
5 **INSTALLATION DETAILS**
THROUGH FRAME
JAMB SHOWN, HEAD & SILL SIMILAR



F
5 **INSTALLATION DETAILS**
NAIL FIN
JAMB SHOWN, HEAD & SILL SIMILAR

* SHIM IS TYPICALLY NOT USED ON THE HEAD.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
- 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 $\pm 1/4$ 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). FOR THROUGH FRAME INSTALLATION, THE MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2 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, 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.
- 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 TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. S.G. = 0.55	5/16" WOOD SCREW	1-1/2"	1-1/4"
	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	5/16" GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	3/4"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	CONCRETE: MIN. f'c = 3000 psi	5/16" ITW TAPCON	1-1/4"	1-9/16"
	MASONRY: HOLLOW OR GROUT- FILLED BLOCK per ASTM C90, MIN. 2000 PSI		1-1/4"	2-1/2"
NAIL FIN	WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW	1-1/2"	1/2"
	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	#10 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	CONCRETE: MIN. f'c = 3000 psi	3/16" ITW TAPCON	1"	1"



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INSTALLATION DETAILS & NOTES

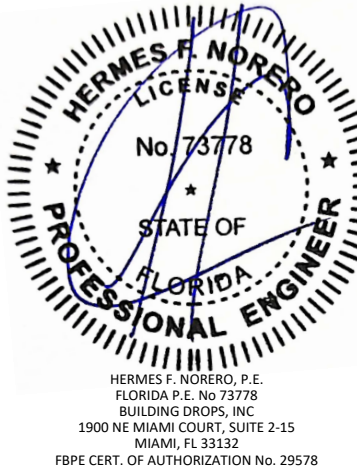
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SHEET: **5**