

ALUCORP S.A. DE C.V.
SERIES 76AD FIXED WINDOW
(HVHZ)(IMPACT)

GENERAL NOTES:

1.

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
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.

INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 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.
5.

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.
6.

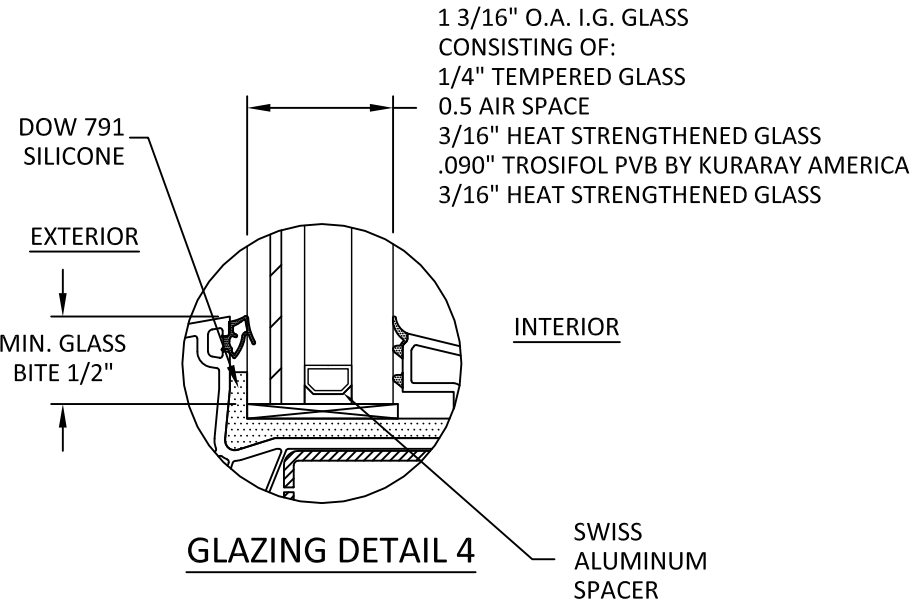
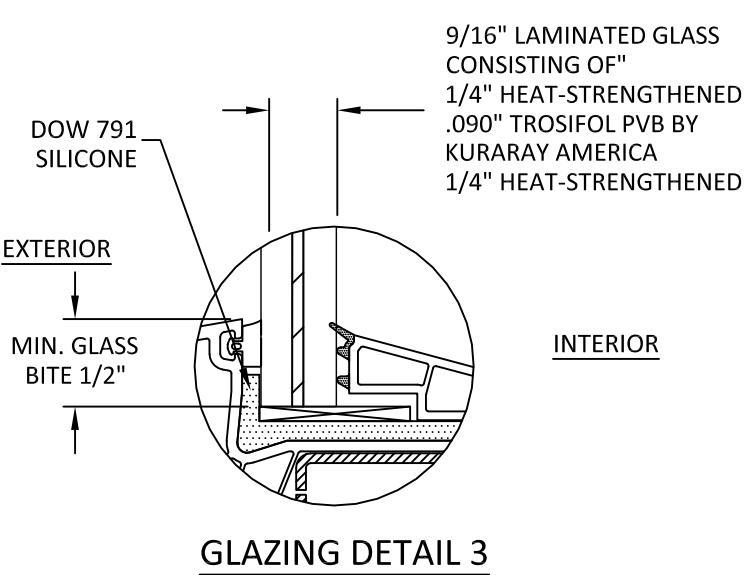
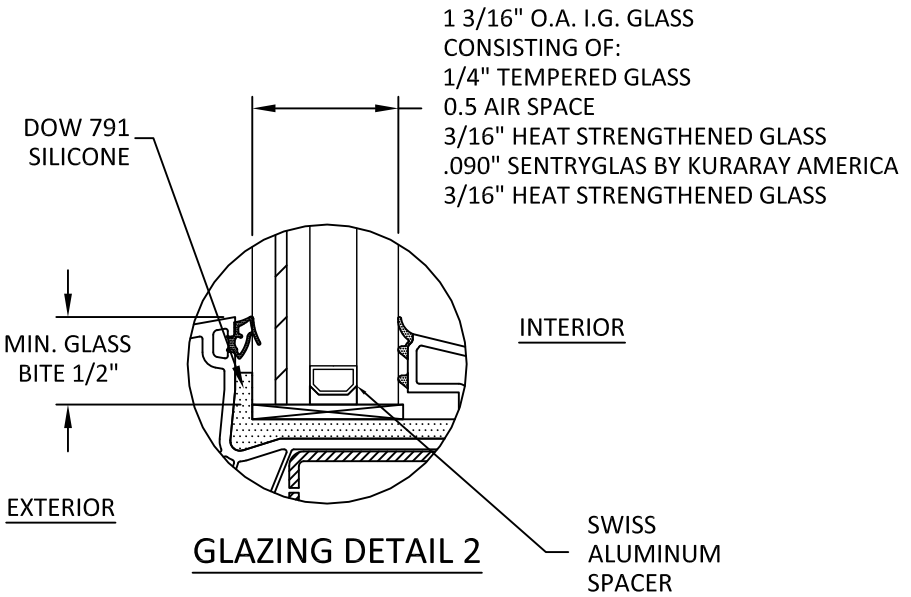
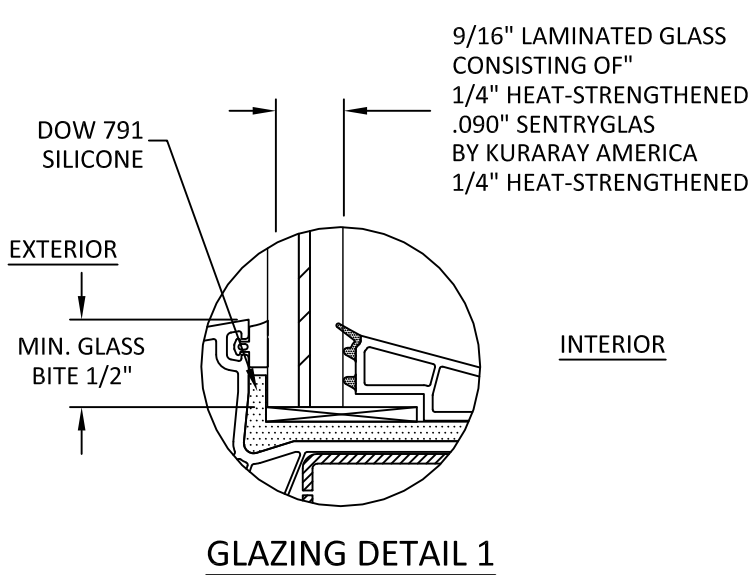
APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7.

WINDOW FRAME MATERIAL: uPVC
8.

GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

DESIGN PRESSURE TABLE					
TYP. OVERALL SIZE		DESIGN PRESSURE	CONFIGURATION	GLAZING	IMPACT RATING
WIDTH	HEIGHT				
48"	120"	+/- 120 PSF	"O"	G1-G4	LMI
96 7/8"	120"	+/- 75 PSF	"OO"	G1-G4	LMI

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NOTE:

1.

GLASS TYPE AND THICKNESS COMPLIES WITH ASTM E-1300 GLASS CHART REQUIREMENTS.
2.

ALL GLAZING CONFIGURATIONS COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC
3.

SETTING BLOCK SHALL BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT FBC.
4.

GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT 1/4 SPAN FROM CORNERS.



ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE:
SERIES 76AD FIXED WINDOW
(HVHZ)(IMPACT)

GENERAL NOTES & GLAZING DETAILS

PREPARED BY:

BUILDING DROPS, INC.

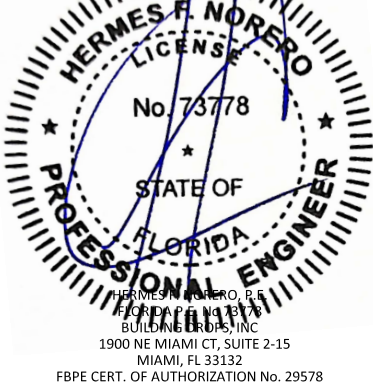
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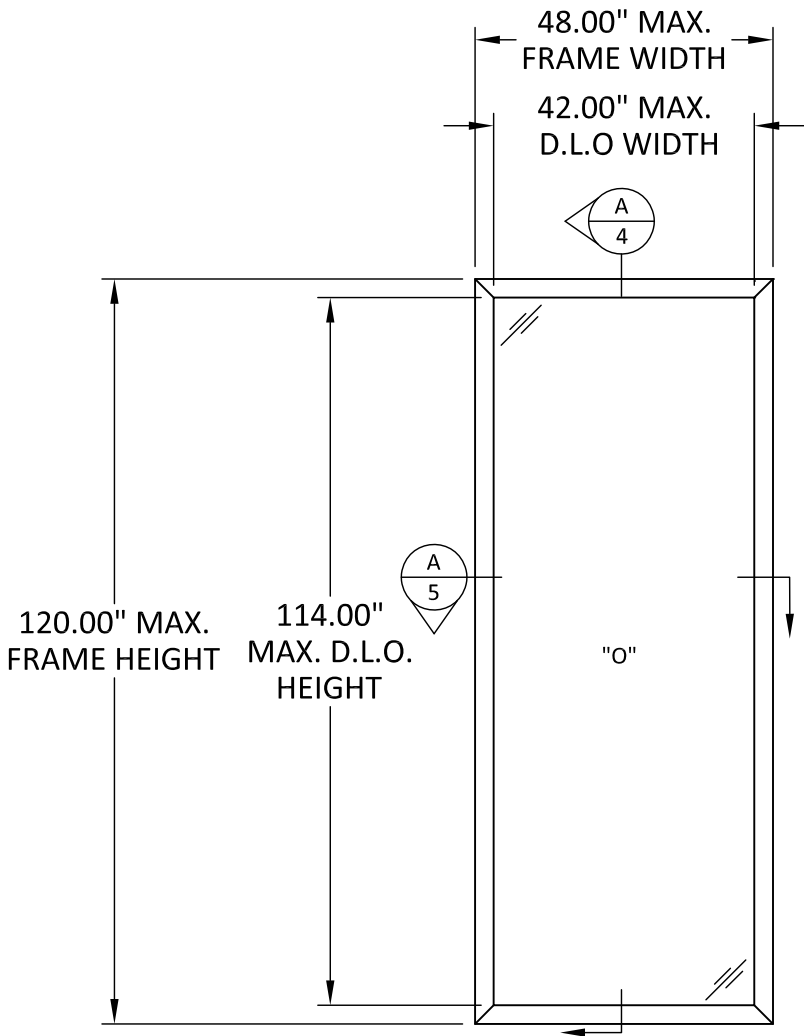
REMARKS	BY	DATE

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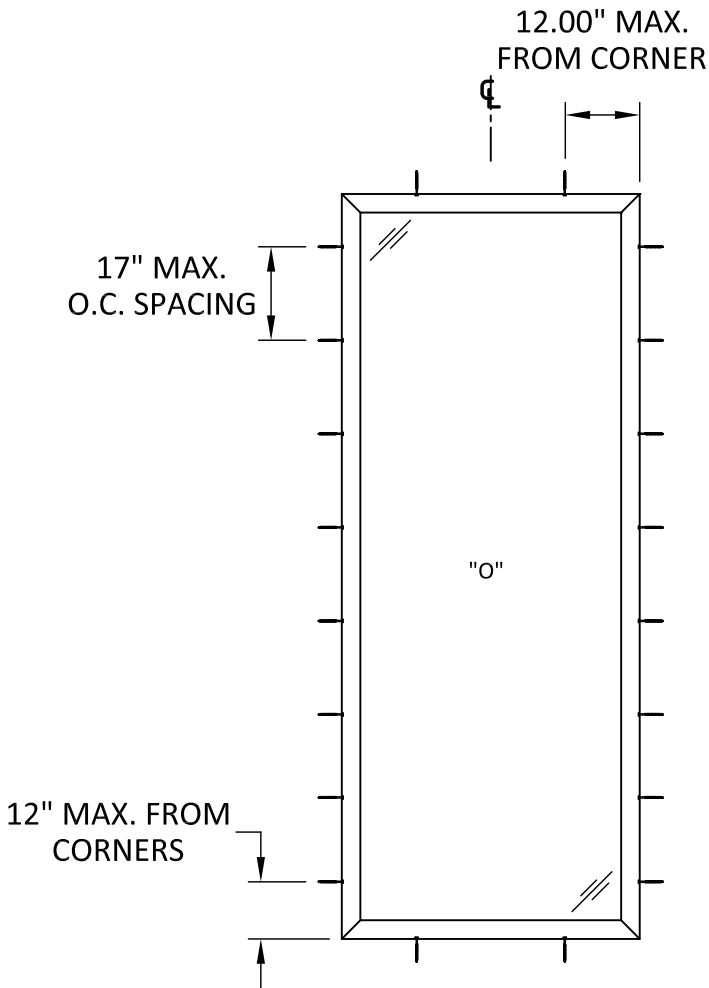
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Reason: I am approving this document
Date: 2025.06.13 16:56:07 -0400'



FL#	FL47583
DATE:	06.13.25
DWG. BY:	DB
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SCALE:	NTS
DWG. #:	ALP014
SHEET:	1 OF 7



ELEVATION
FIXED WINDOW - SINGLE



ANCHOR LAYOUT
FIXED WINDOW - SINGLE
THROUGH FRAME

DESIGN PRESSURE TABLE (PSF) - FIXED WINDOW (SINGLE)												
		FRAME WIDTH (INCHES)										
FRAME HEIGHT (INCHES)		24	30	36	42	48	54	60	66	72	78	84
	60	120.0	120.0	120.0	120.0	120.0	106.7	96.0	87.3	80.0	73.8	68.6
	66	120.0	120.0	120.0	120.0	120.0	106.7	96.0	87.3	80.0	73.8	68.6
	72	120.0	120.0	120.0	120.0	120.0	106.7	96.0	87.3	80.0	73.8	-
	78	120.0	120.0	120.0	120.0	120.0	106.7	96.0	87.3	80.0	-	-
	84	120.0	120.0	120.0	120.0	120.0	106.7	96.0	87.3	-	-	-
	90	120.0	120.0	120.0	120.0	120.0	106.7	96.0	-	-	-	-
	96	120.0	120.0	120.0	120.0	120.0	106.7	96.0	-	-	-	-
	102	120.0	120.0	120.0	120.0	120.0	106.7	-	-	-	-	-
	108	120.0	120.0	120.0	120.0	120.0	-	-	-	-	-	-
	114	120.0	120.0	120.0	120.0	120.0	-	-	-	-	-	-
	120	120.0	120.0	120.0	120.0	120.0	-	-	-	-	-	-

QUALIFIED CONFIGURATIONS

NOTE:
CONFIGURATIONS WITH
CASEMENT/TILT & TURN QUALIFIED
UNDER SEPERATE APPROVAL.

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INTERALUM

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25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE:

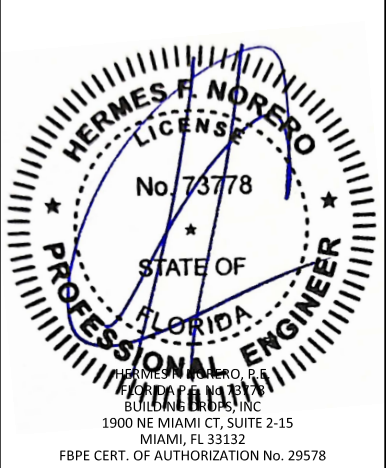
SERIES 76AD FIXED WINDOW
(HVHZ)(IMPACT)
ELEVATIONS AND
ANCHOR LAYOUTS

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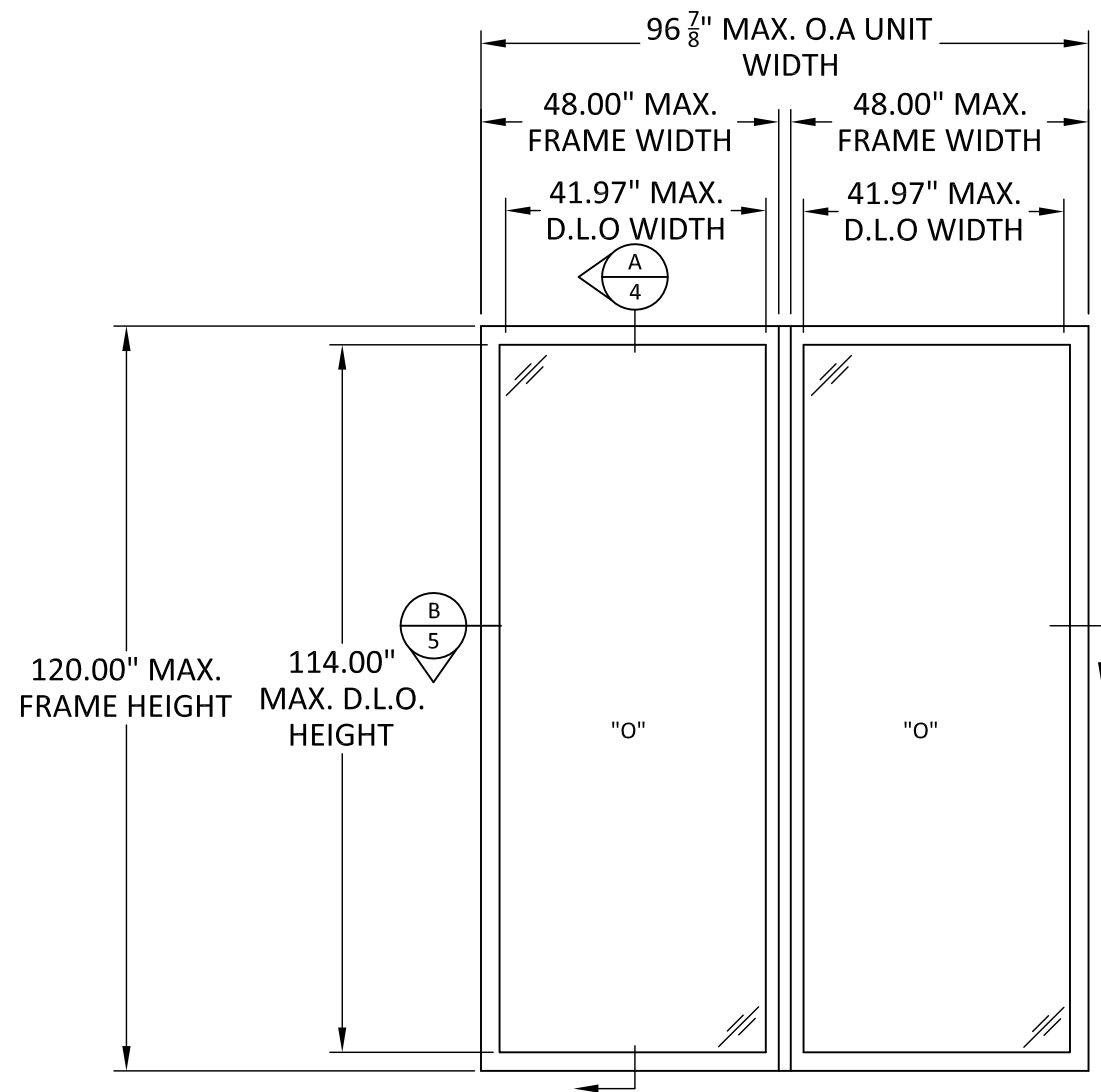
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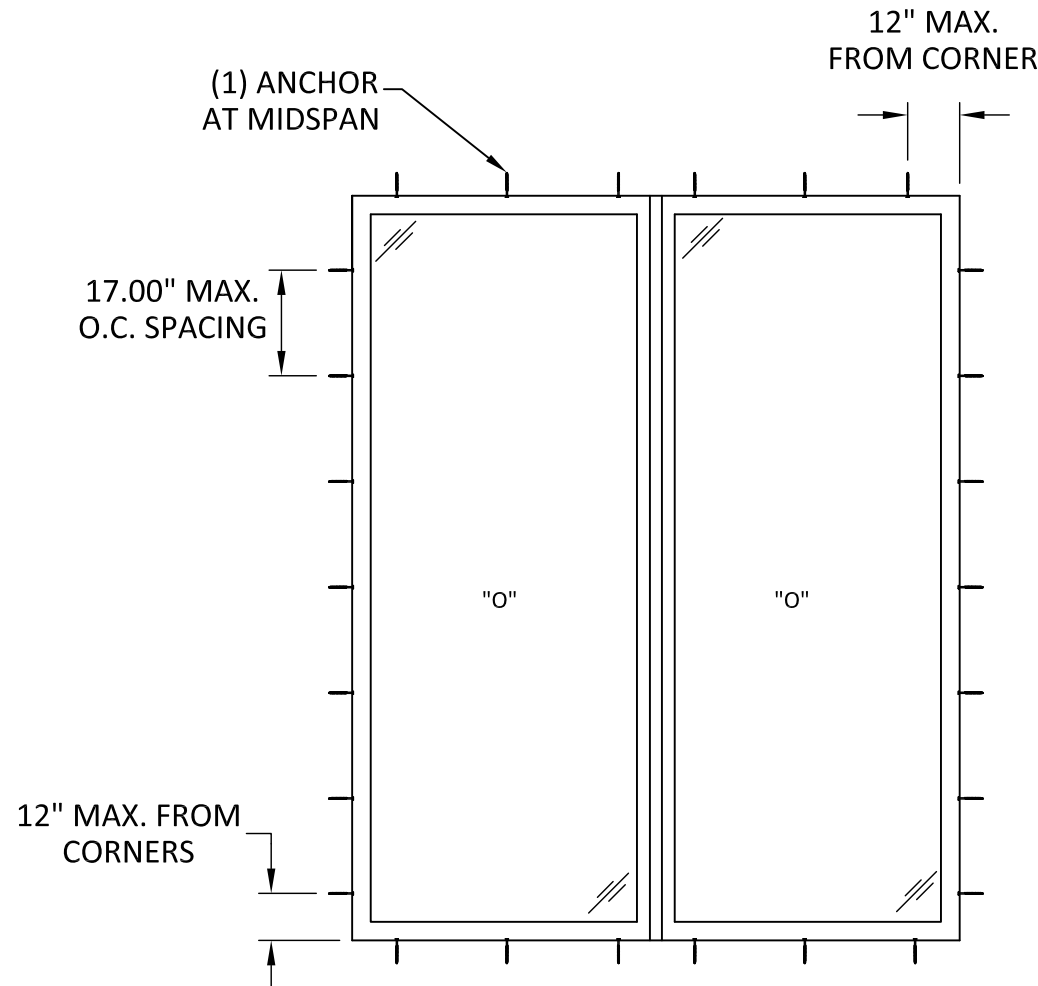
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SHEET:

2 OF 7



ELEVATION
FIXED WINDOW - TWIN



ANCHOR LAYOUT
FIXED WINDOW - TWIN
THROUGH FRAME

DESIGN PRESSURE TABLE (PSF) - FIXED WINDOW (TWIN)													
FRAME WIDTH (INCHES)													
FRAME HEIGHT (INCHES)		24	30	36	42	48	54	60	66	72	78	84	
	60	75.0	75.0	75.0	75.0	75.0	66.7	60.0	54.5	50.0	46.2	42.9	
	66	75.0	75.0	75.0	75.0	75.0	66.7	60.0	54.5	50.0	46.2	42.9	
	72	75.0	75.0	75.0	75.0	75.0	66.7	60.0	54.5	50.0	46.2	-	
	78	75.0	75.0	75.0	75.0	75.0	66.7	60.0	54.5	50.0	-	-	
	84	75.0	75.0	75.0	75.0	75.0	66.7	60.0	54.5	-	-	-	
	90	75.0	75.0	75.0	75.0	75.0	66.7	60.0	-	-	-	-	
	96	75.0	75.0	75.0	75.0	75.0	66.7	60.0	-	-	-	-	
	102	75.0	75.0	75.0	75.0	75.0	66.7	-	-	-	-	-	
	108	75.0	75.0	75.0	75.0	75.0	-	-	-	-	-	-	
	114	75.0	75.0	75.0	75.0	75.0	-	-	-	-	-	-	
	120	75.0	75.0	75.0	75.0	75.0	-	-	-	-	-	-	



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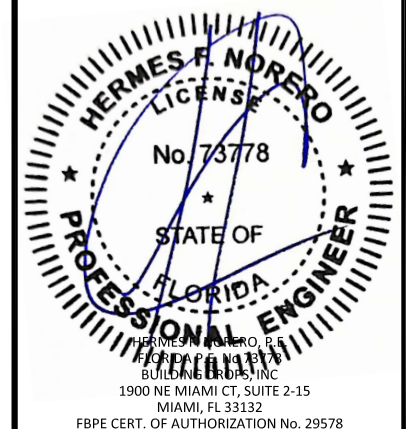
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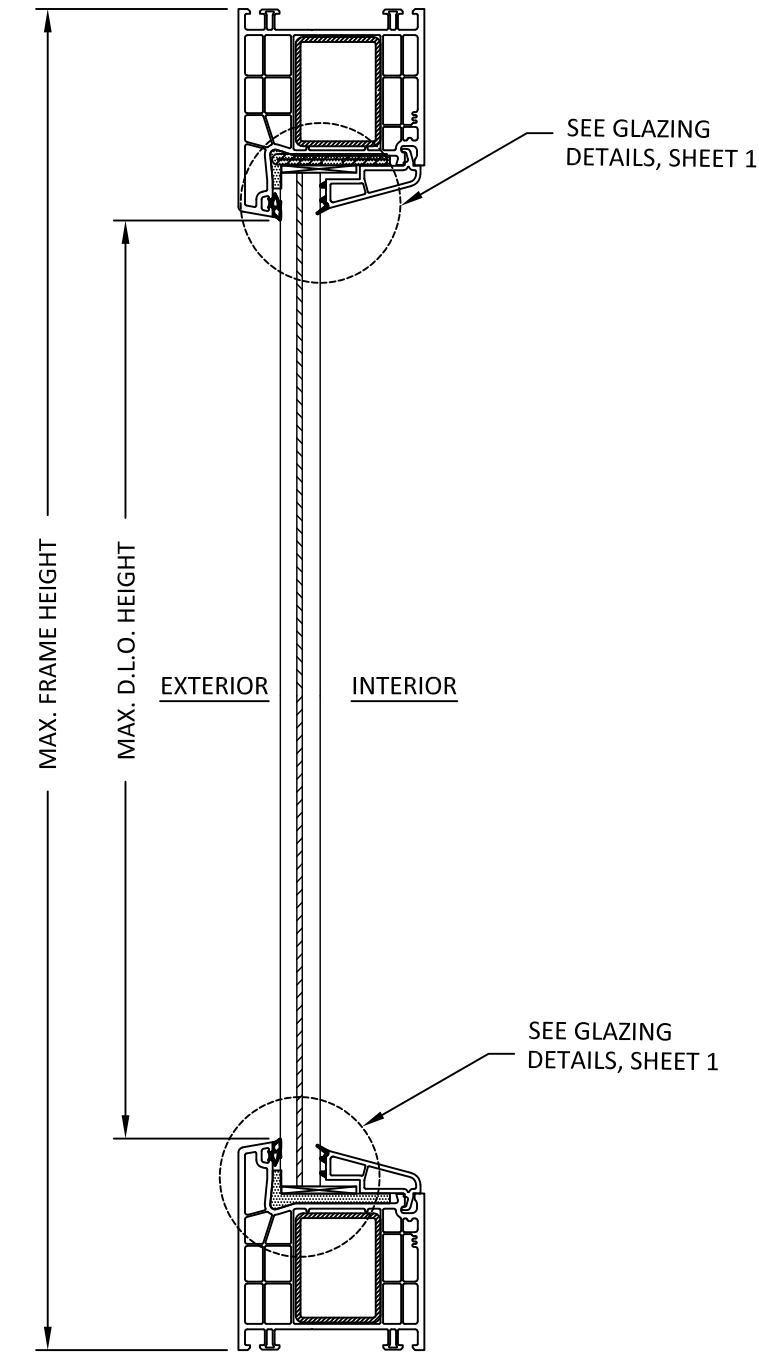


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SHEET:	3 OF 7



REPRESENTATIVE DETAILS SHOWN. MONOLITHIC AND INSULATED GLAZING ARE INTERCHANGEABLE.

A
4 **VERTICAL SECTION**
FIXED WINDOW - SINGLE/TWIN



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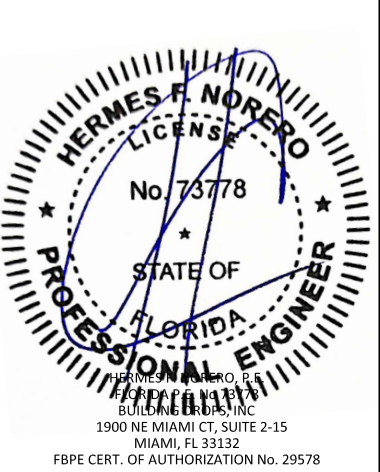
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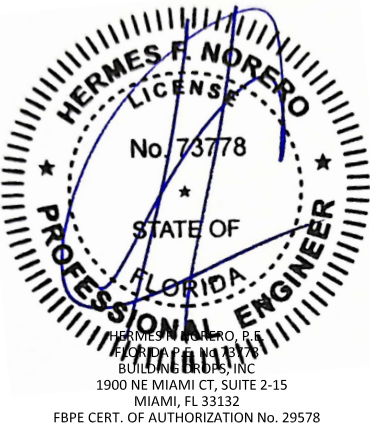
HORIZONTAL SECTIONS

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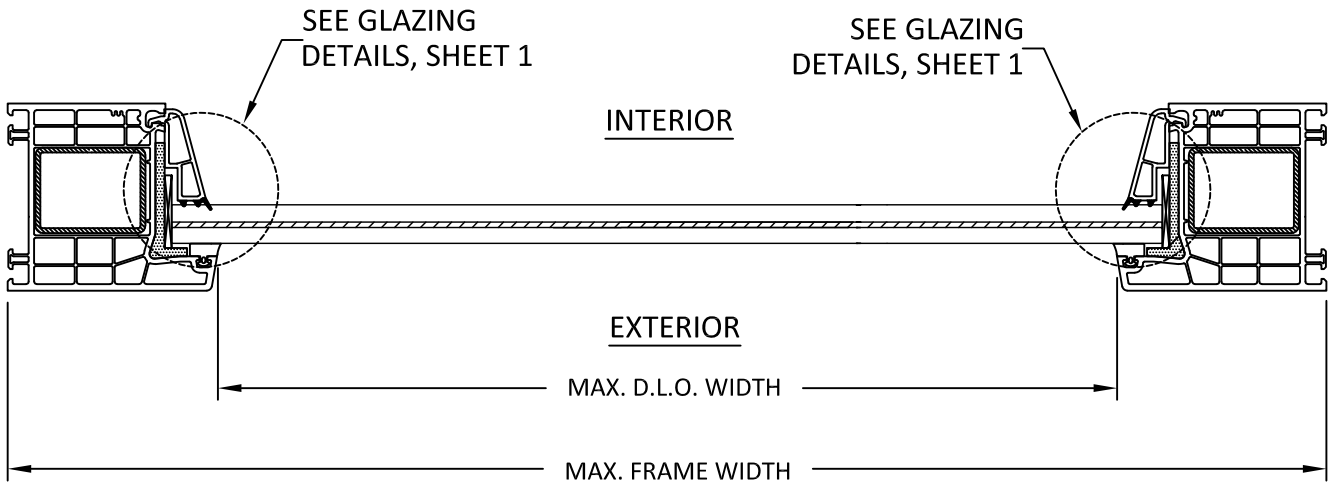


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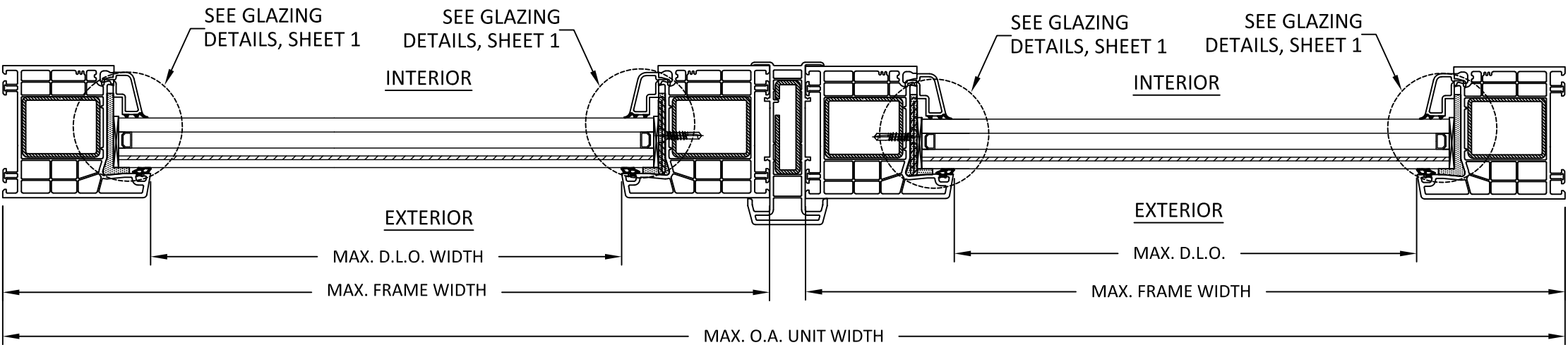


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SHEET:	5 OF 7

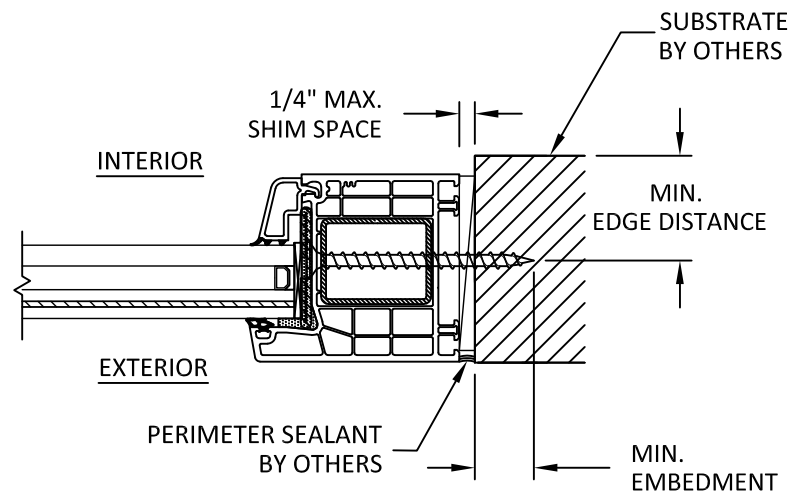


A HORIZONTAL SECTION
5 FIXED WINDOW - SINGLE

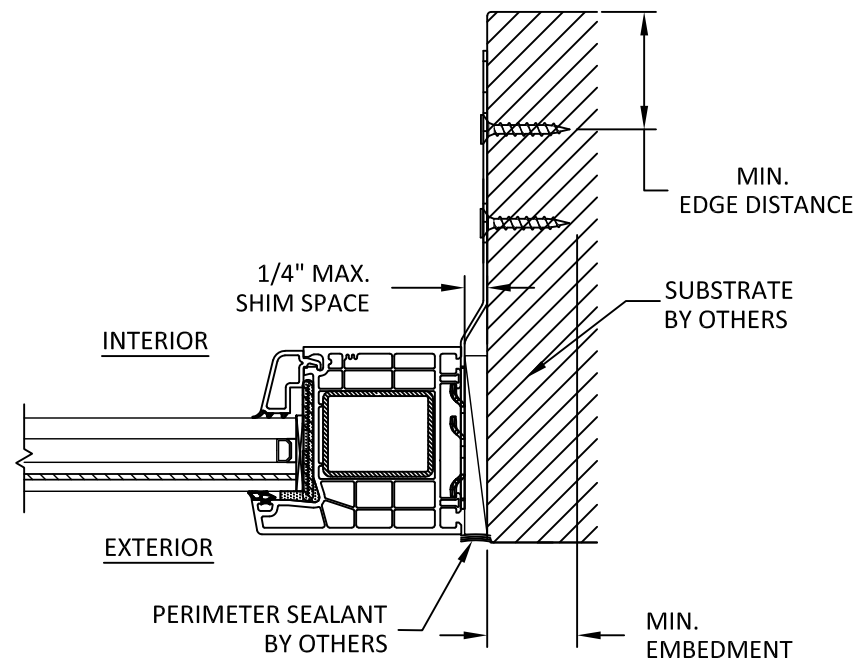
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B HORIZONTAL SECTION
5 FIXED WINDOW - TWIN



A
6 **ANCHOR DETAIL**
THROUGH FRAME (JAMB)



B
6 **ANCHOR DETAIL**
STRAP (JAMB)

NOTE: JAMB SHOWN,
HEAD AND SILL SIMILAR.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN FOR THROUGH FRAME INSTALLATION. TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN FOR STRAP INSTALLATION.
- 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). 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, 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 AND STRAP	WOOD: MIN. SG = 0.55	#14 WOOD SCREW FLAT HEAD	1.5"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	1/4" TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
	METAL: ALUMINUM MIN. 1/8" THICKNESS (6063-T5 MIN.)			
	CONCRETE: MIN. f'c=3000PSI	1/4" ITW TAPCON FLATHEAD	1.75"	2.0
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON FLATHEAD	1"	2.0



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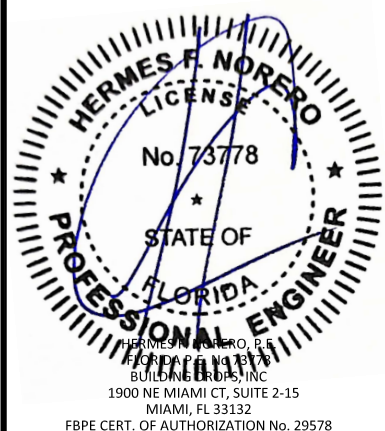
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SCALE: **NTS**

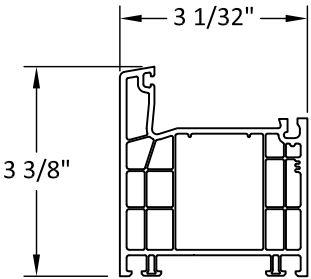
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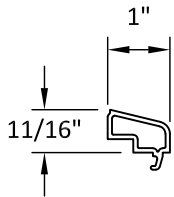
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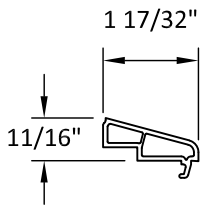
BILL OF MATERIALS			
ITEM	PART No.	DESCRIPTION	MATERIAL
1	76102	FRAME - RIGID VINYL	uPVC
2	2454	I.G. GLAZING BEAD	uPVC
3	2452	MONO GLAZING BEAD	uPVC
4	-	GLAZING GASKET (RUBBER 70 DUR)	EPDM
5	V314	REINFORCEMENT	STEEL
6	V280	REINFORCEMENT	STEEL
7	V319	REINFORCEMENT	STEEL
8	V331	REINFORCEMENT	STEEL
9	76605	COUPLER MULLION TYPE I	uPVC



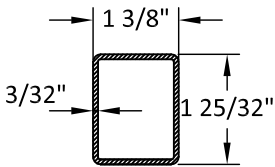
1 FRAME



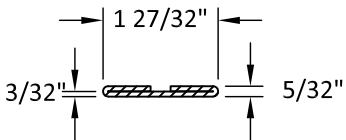
2 I.G. GLAZING BEAD



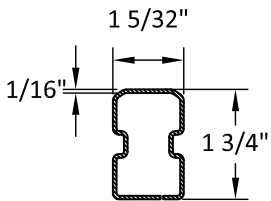
3 LAMI GLAZING BEAD



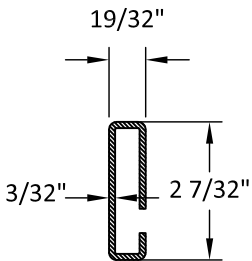
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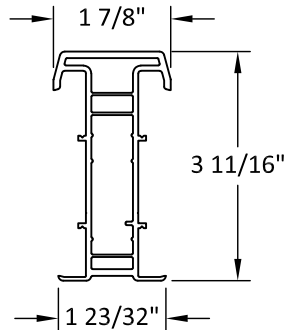
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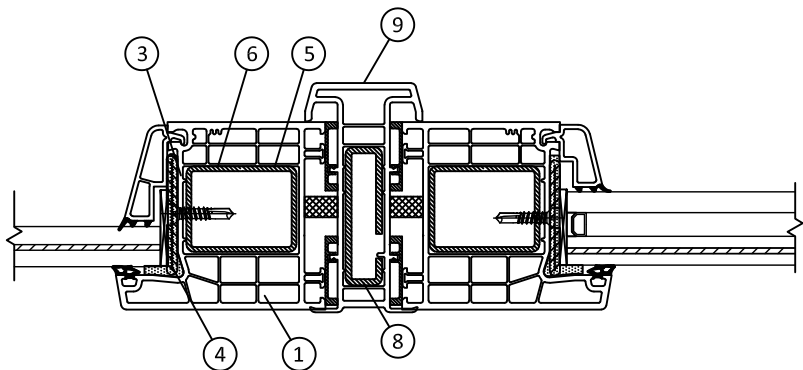
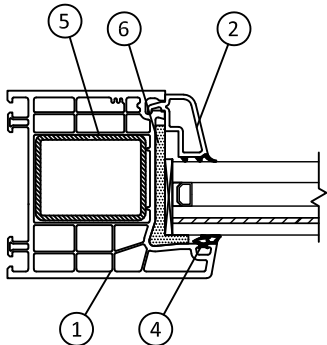
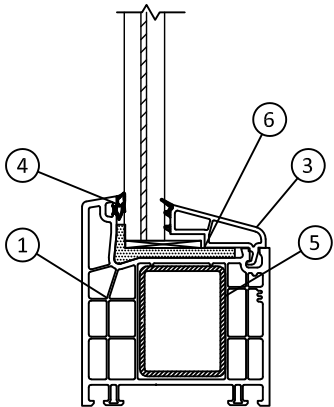
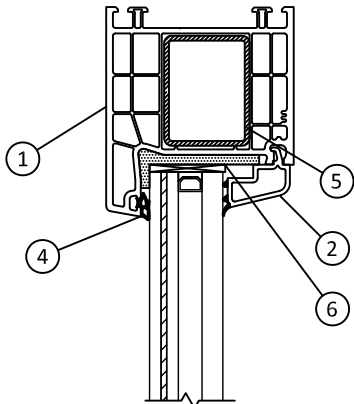
7 REINFORCEMENT



8 REINFORCEMENT



9 COUPLER MULLION - TYPE I




INTERALUM

ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

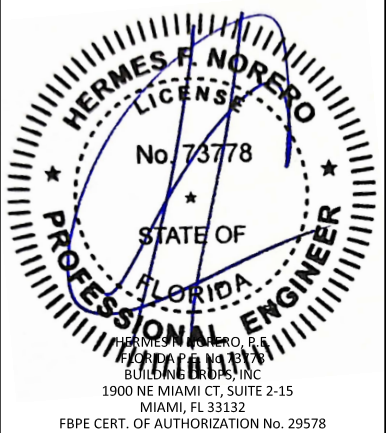
TITLE:
SERIES 76AD FIXED WINDOW
(HVHZ)(IMPACT)
BILL OF MATERIALS
AND COMPONENTS

PREPARED BY:
BUILDING DROPS, INC.
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

THE INSTALLATION DETAILS DESCRIBED HERE IN 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.



HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL#
FL47583

DATE: **06.13.25**

DWG. BY: **DB** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ALP014**

SHEET:
7
OF 7