

ALUCORP S.A. DE C.V.
SERIES 76MD INSWING BALCONY DOOR
(HVHZ)(IMPACT)

GENERAL NOTES:

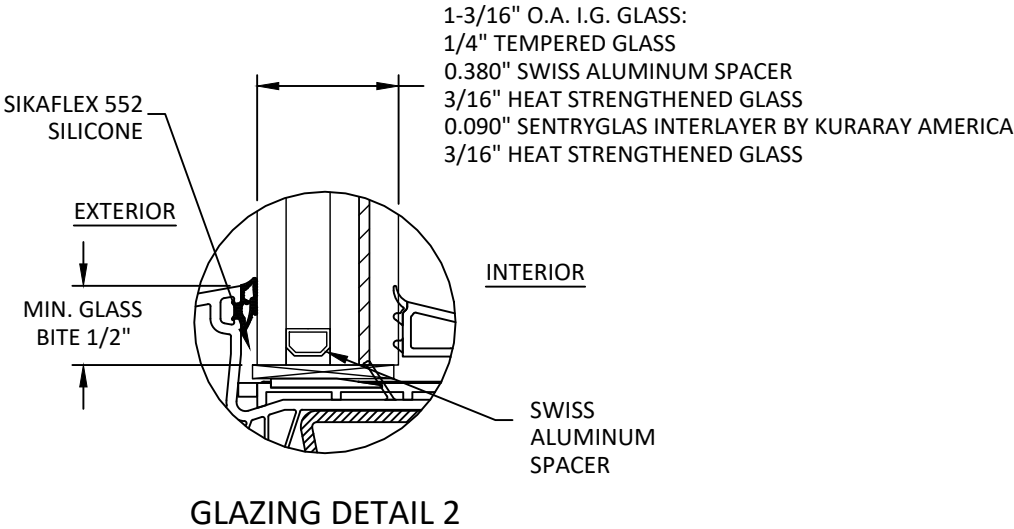
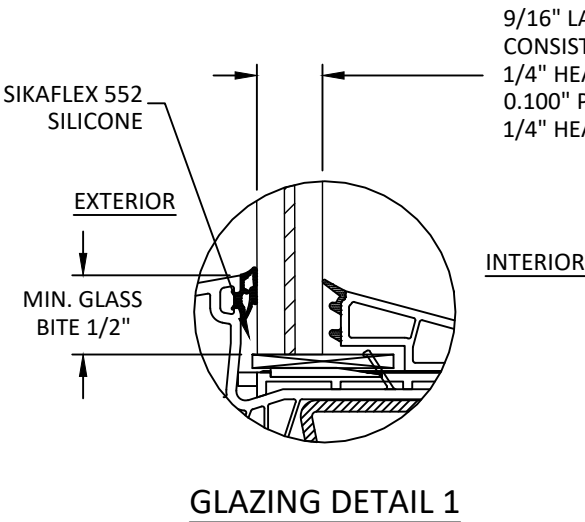
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- TAS 201-94

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. DOOR FRAME MATERIAL: uPVC
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

MAX OVERALL SIZE		CONFIG.	DESIGN PRESSURE	GLAZING	MISSILE IMPACT RATING
WIDTH	HEIGHT				
46"	83"	X	+65/-65 PSF	G2	LMI
43"	96"	X	+110/-135 PSF	G1	LMI

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5	BILL OF MATERIALS AND COMPONENTS
6	MULTIPOINT HARDWARE



- NOTE:
1. GLASS TYPE AND THICKNESS COMPLY WITH ASTM E-1300 GLASS CHART REQUIREMENTS.

2. ALL GLAZING CONFIGURATIONS COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CH 24 OF THE CURRENT FBC.

3. SETTING BLOCK SHOULD 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.



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CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

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VINYL BALCONY DOOR
(HVHZ)(IMPACT)
GENERAL NOTES &
GLAZING DETAILS

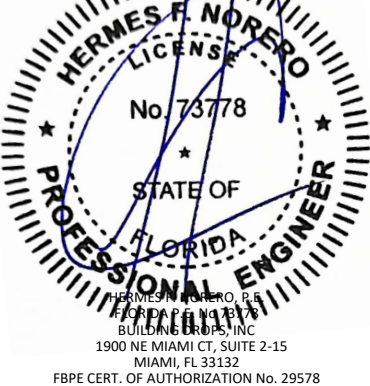
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1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
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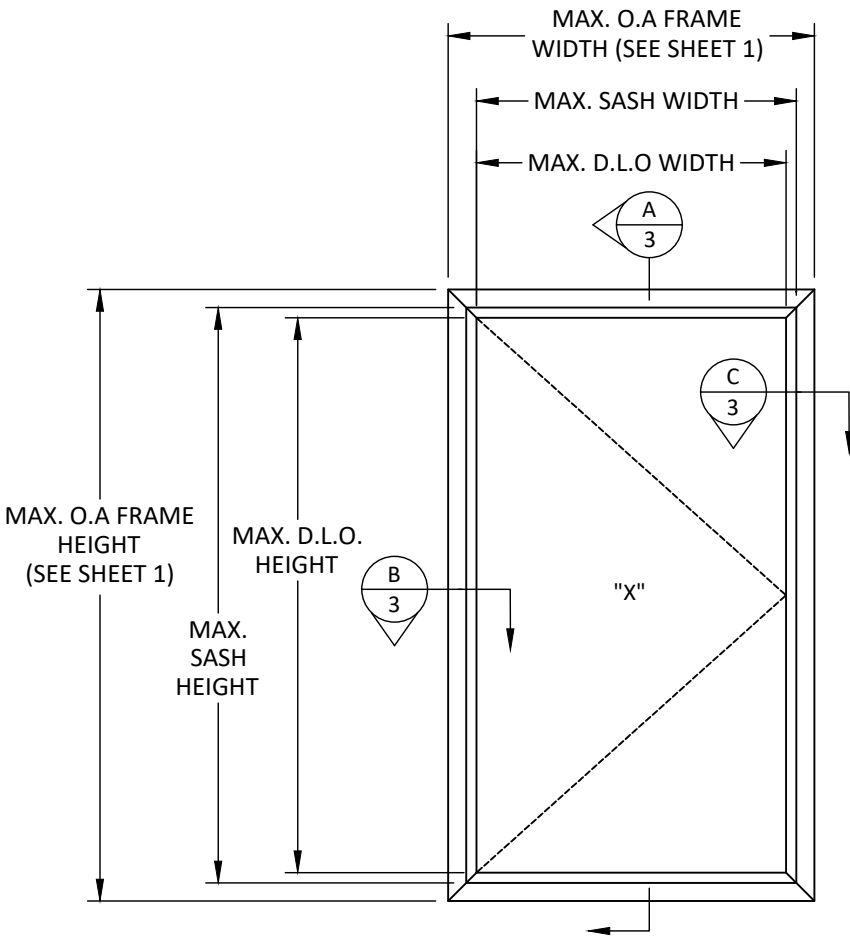
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.06.16 12:45:39 -0400

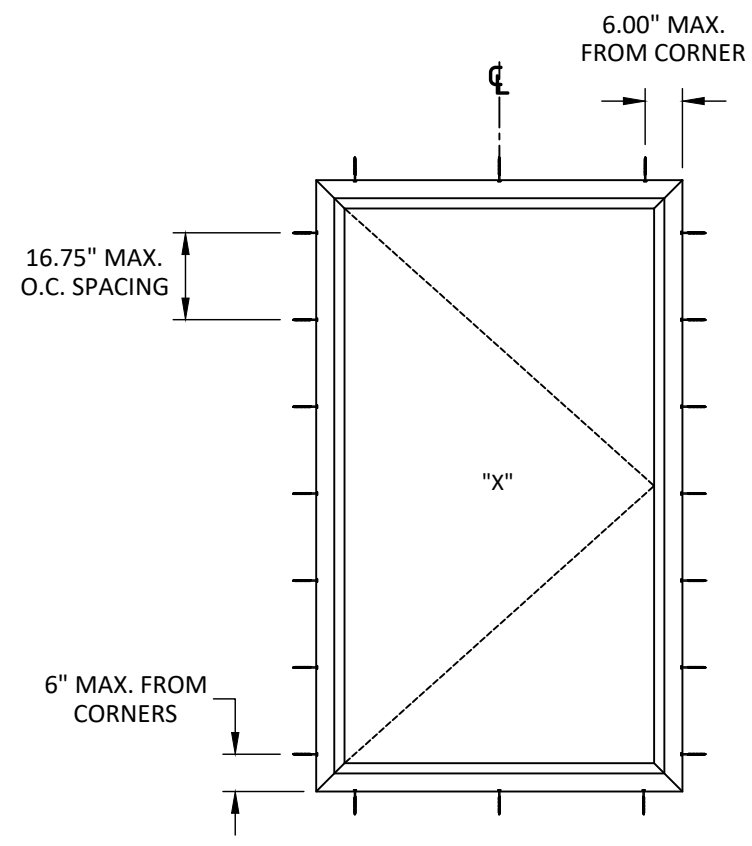


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SCALE:	NTS	
DWG. #:	ALP019	
SHEET:	1 OF 6	

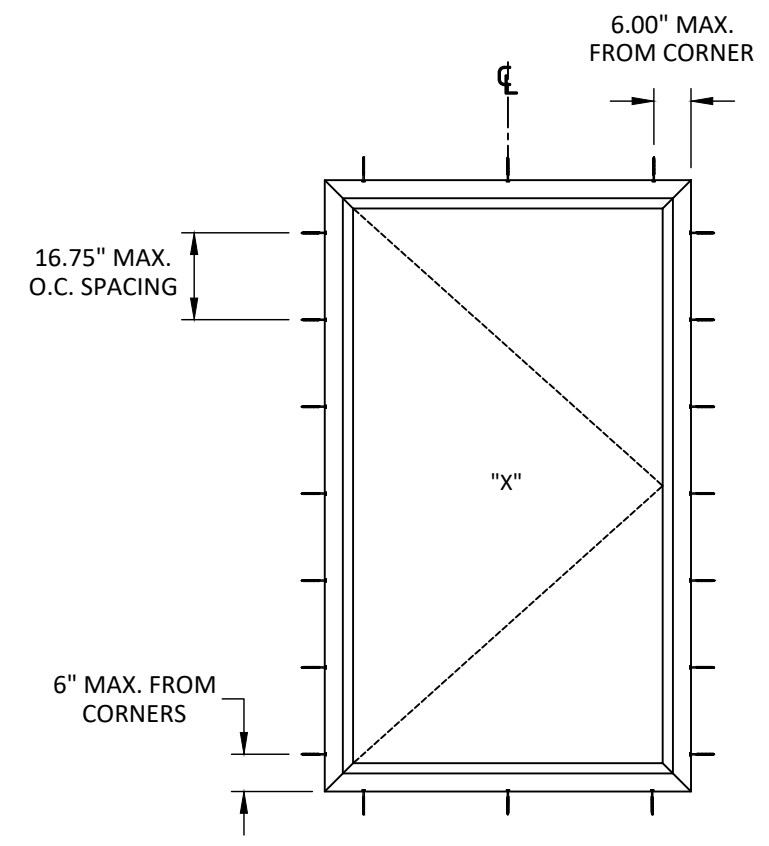


ELEVATION
BALCONY DOOR

		WIDTH	HEIGHT
1	FRAME	43.00"	96.00"
	SASH	41.00"	93.00"
	D.L.O.	34.75"	86.75"
2	FRAME	46.00"	83.00"
	SASH	42.25"	79.75"
	D.L.O.	36.00"	73.50"



ANCHOR LAYOUT
THROUGH FRAME



ANCHOR LAYOUT
STRAP

INTERALUM

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TITLE: SERIES 76MD INSWING VINYL BALCONY DOOR (HVHZ)(IMPACT) ELEVATION AND ANCHOR LAYOUTS

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MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL#

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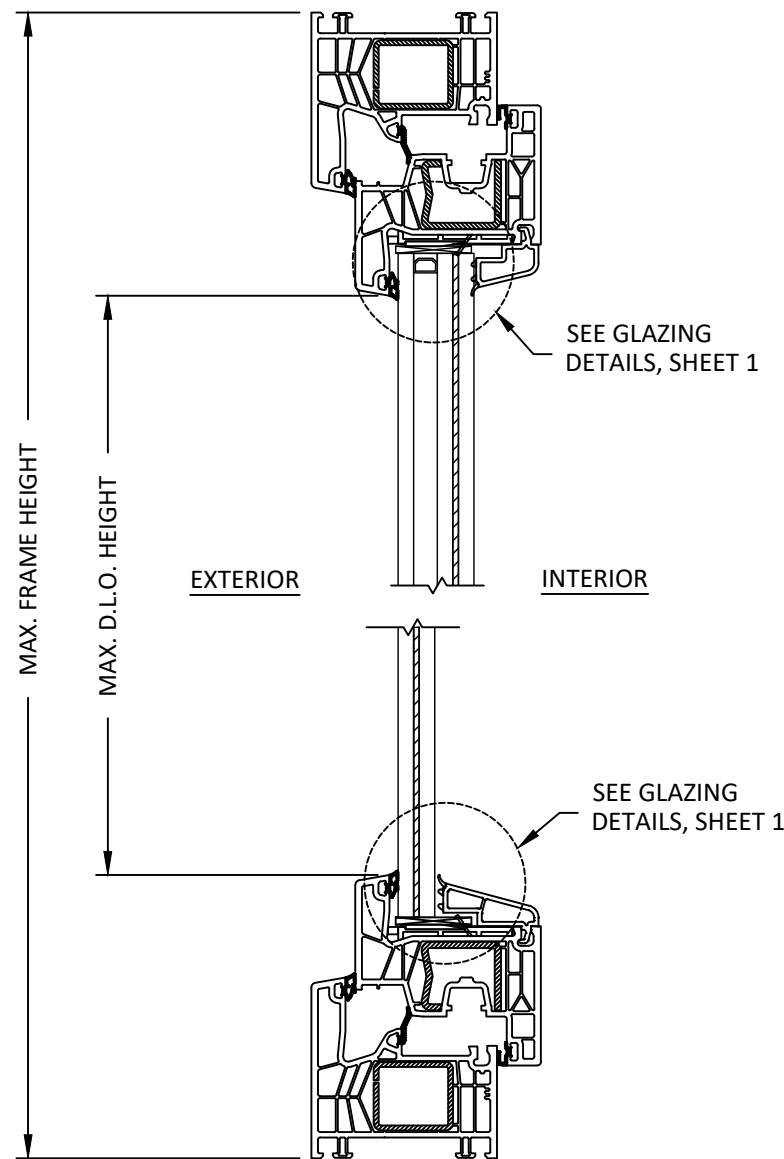
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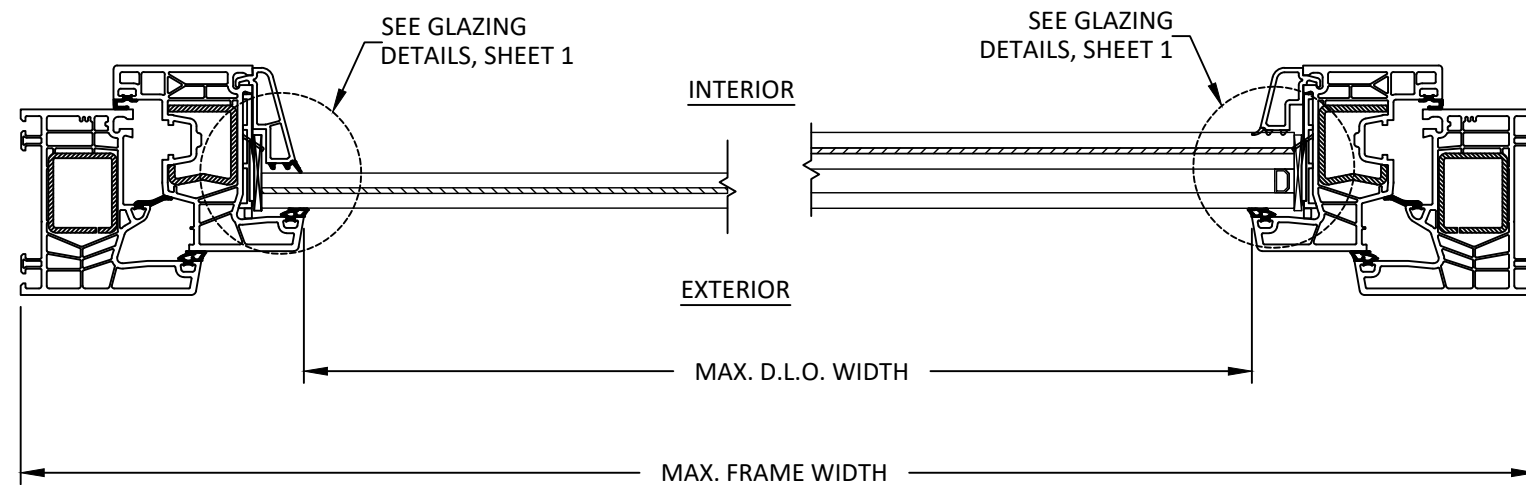
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A
3 VERTICAL SECTION
BALCONY DOOR



B
3 HORIZONTAL SECTION
BALCONY DOOR

C
3 HORIZONTAL SECTION
BALCONY DOOR



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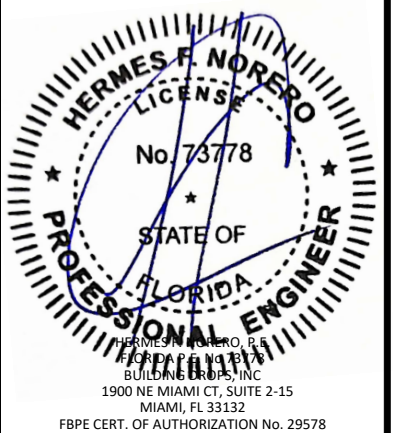
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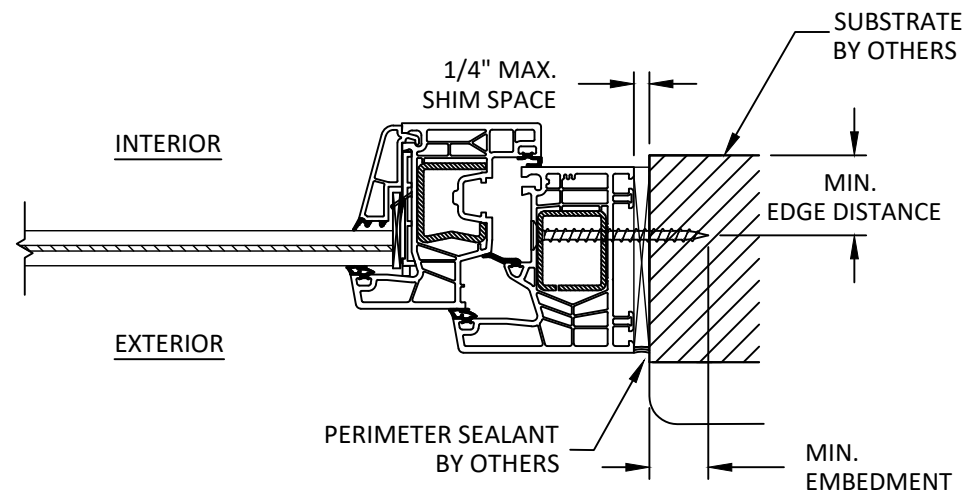


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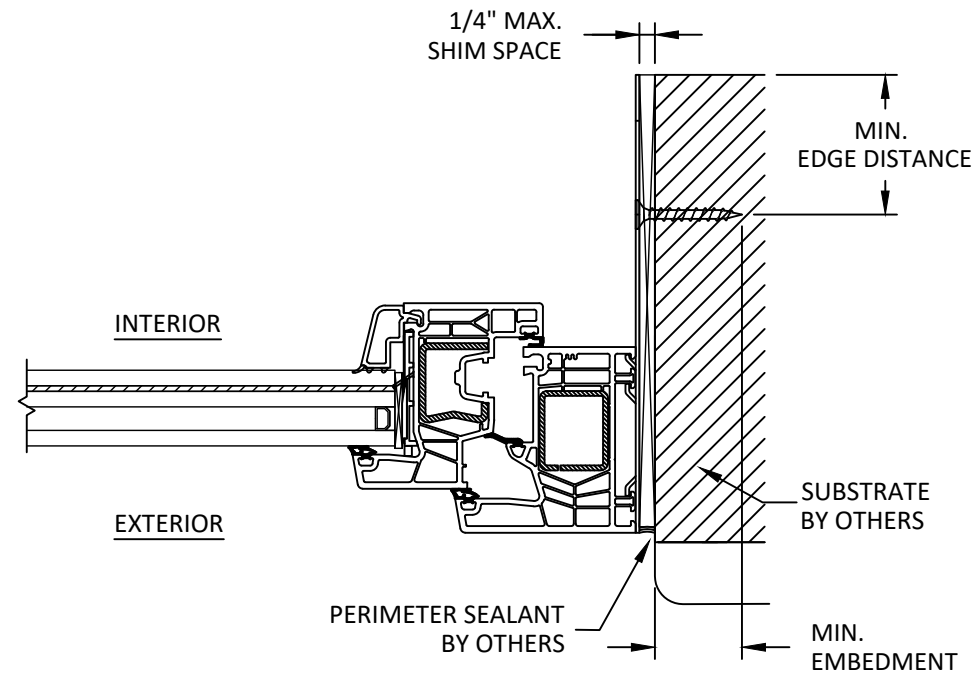
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ANCHOR DETAIL
THROUGH FRAME (JAMB)



ANCHOR DETAIL
STRAP (JAMB)

NOTE: JAMB SHOWN,
HEAD AND SILL SIMILAR.

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 $\pm 1/4$ 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 OR STRAP	WOOD: MIN. SG = 0.55	#10 WOOD SCREW FLAT HEAD	1.50"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#10 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
	METAL: ALUMINUM MIN. THICKNESS 1/8". MIN. 6063-T5			
	CONCRETE: MIN. f'c=3000PSI	3/16" ITW TAPCON FLATHEAD	1.25"	2.50"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1.00"	2.50"



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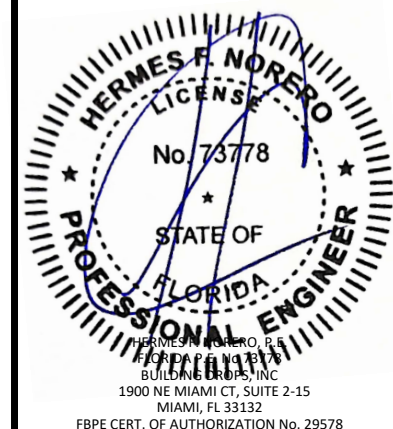
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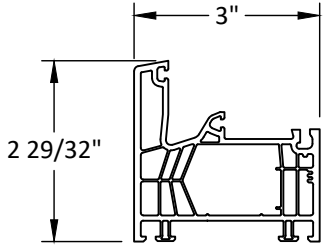
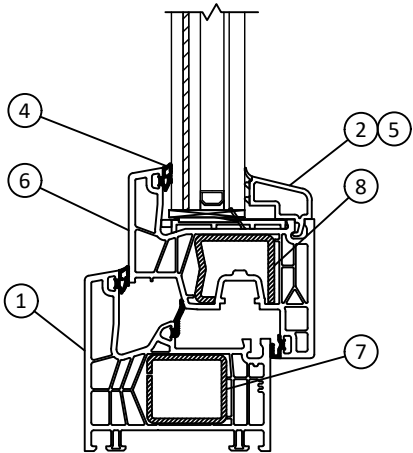
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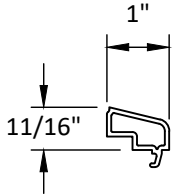
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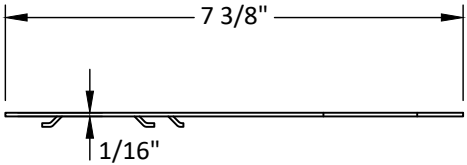
BILL OF MATERIALS			
ITEM	PART No.	DESCRIPTION	MATERIAL
1	76171	FRAME - RIGID VINYL	uPVC
2	2454	I.G. GLAZING BEAD	uPVC
3	S041	ANCHOR STRAP	STEEL
4	-	GLAZING GASKET (RUBBER 70 DUR)	EPDM
5	2452	LAMI GLAZING BEAD	uPVC
6	76271	SASH	uPVC
7	V310	REINFORCEMENT	STEEL
8	V306	REINFORCEMENT	STEEL



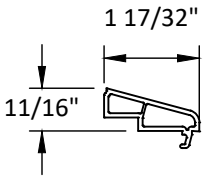
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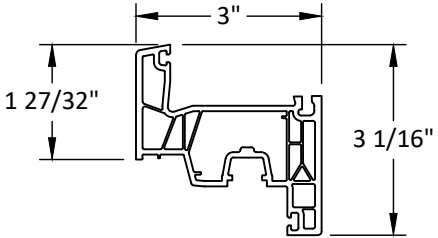
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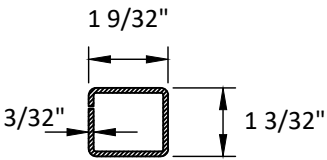
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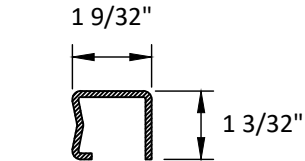
5 LAMI GLAZING BEAD



6 SASH



7 REINFORCEMENT



8 REINFORCEMENT



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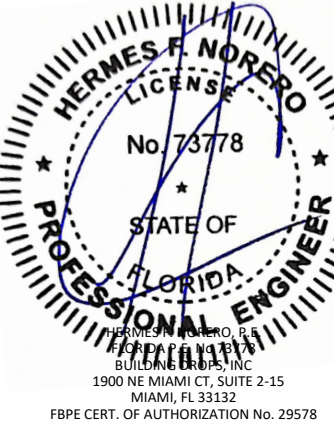
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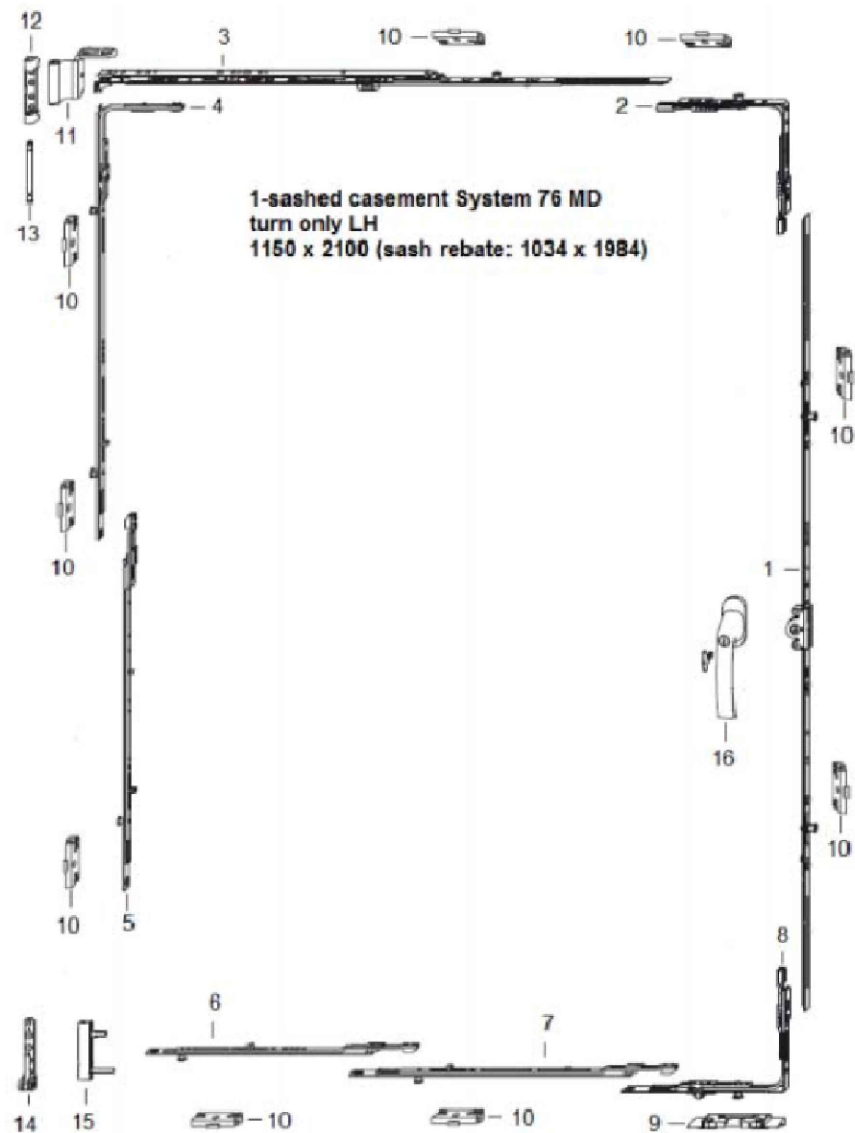
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MULTIPOINT HARDWARE



Pos.	part description	part code
1	gear 15 AF sz.160 2RS 70	TGMK4170-...
2	corner drive AF VSO 1RS	TEUL4010-...
3	stay AF sz.3 1RS	TSKK2030-...
4	corn.drive BS/K3 sz 2+ 2RS	TEUL2390-...
5	linkage BS/FH sz 3+ 1RS	TZBS0300-...
6	extension sz 3+ 1RS	TVSL0330-...
7	linkage BS/FH sz 1+ 1RS	TZBS0180-...
8	corn.drive AF VSU/K+ FH 1S	TEUL5010-...
9	tilt lock bearing S-ES FH A4460	FRKA0100-...
10	striker plate S-RS 3SL A4460	TRSK0600-...
11	stay hinge 12/20-13 DH	TBWB6050-...
12	top hinge KF D6x24 DH	TBSL6140-...
13	top hinge pin poly	TBSB6020-...
14	bottom hinge KF D6x3/24	TBEL6120-...
15	corner hinge KF D6x16/36 D5 ADV	TBEB6140-...
16	handle Globe 35/12 ABS100 SEC	ZHGA0060-...



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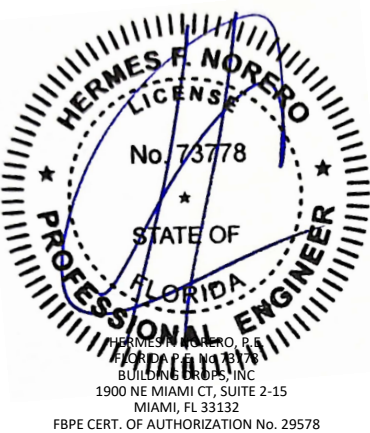
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