

ALUCORP S.A. DE C.V.

SERIES TILT & SLIDE uPVC

SLIDING & TILT PATIO DOOR

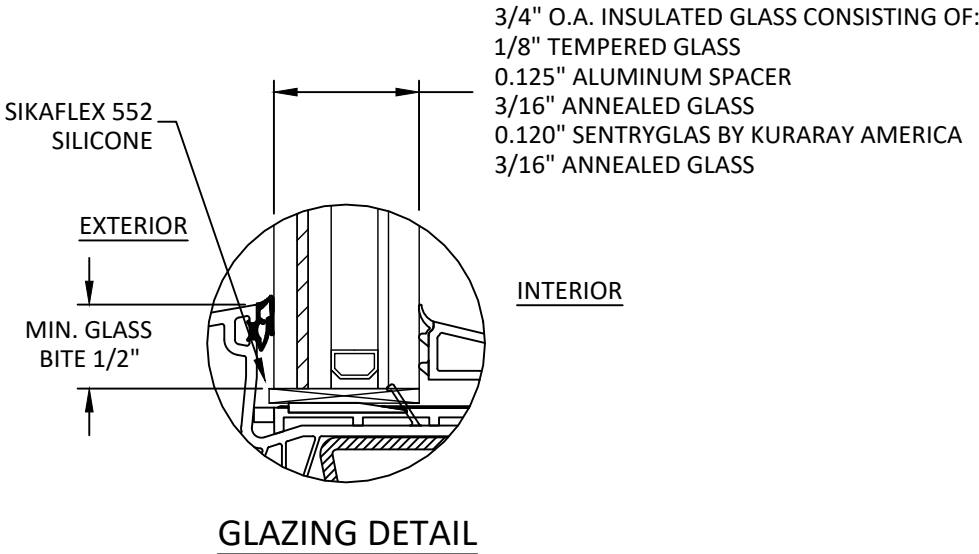
(HVHZ)(IMPACT)

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

MAX OVERALL SIZE		CONFIG.	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
75"	83"	OX/XO	+/-75 PSF	LMI

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAIL
2	ELEVATION & ANCHOR LAYOUTS
3	VERTICAL & HORIZONTAL SECTIONS
4	INSTALLATION NOTES & ANCHOR DETAILS
5	BILL OF MATERIALS & COMPONENTS
6	MULTIPOINT HARDWARE



NOTE:

- GLASS TYPE AND THICKNESS COMPLY WITH ASTM E-1300 GLASS CHART REQUIREMENTS.
- ALL GLAZING CONFIGURATIONS COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CH 24 OF THE CURRENT FBC.
- SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT FBC.
- 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

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SLIDING & TILT PATIO DOOR
(HVHZ)(IMPACT)
GENERAL NOTES &
GLAZING DETAIL

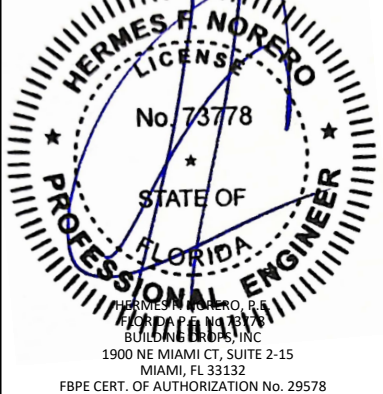
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
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FAX: (954)744-4738
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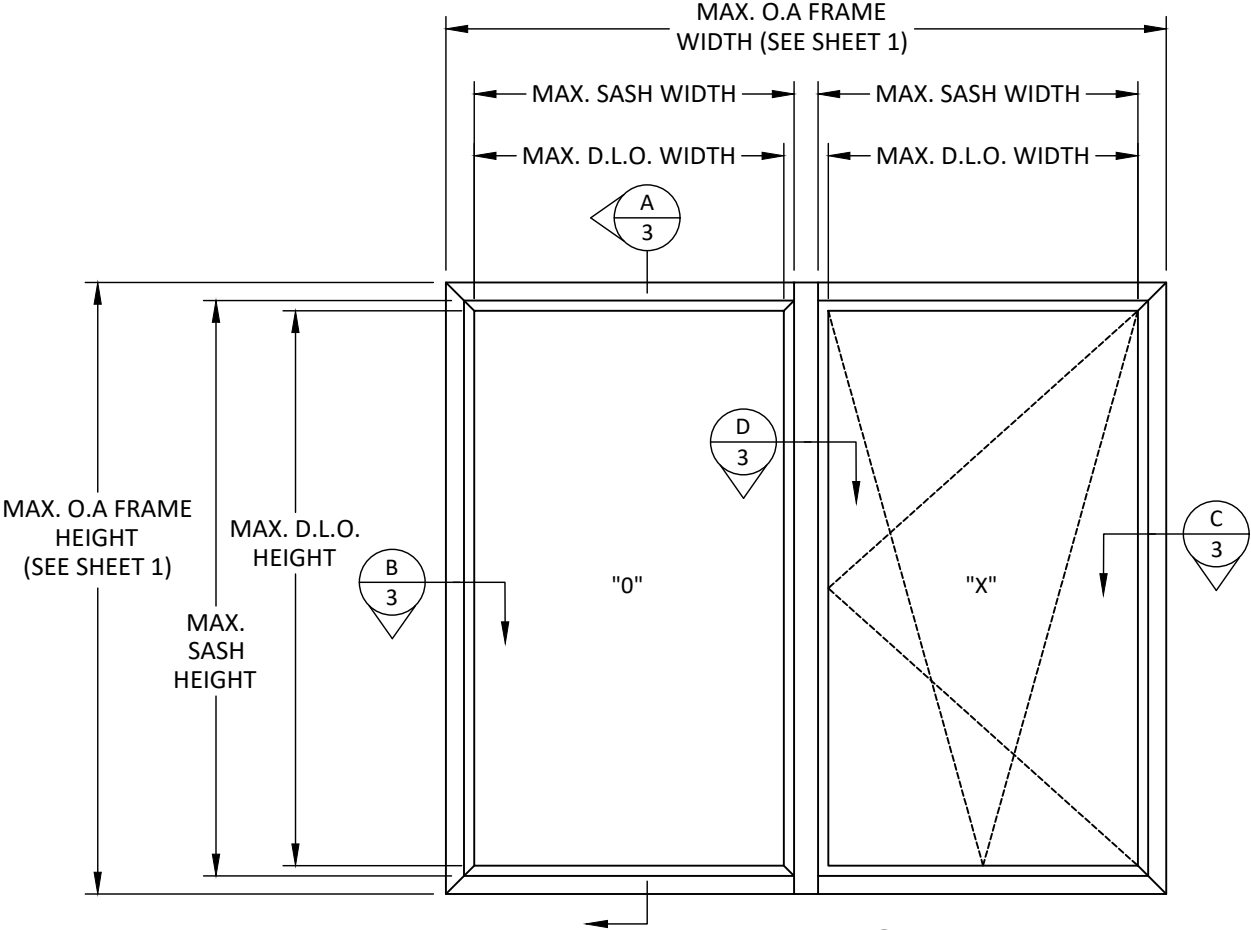
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.10.06 16:57:41 -07'00'

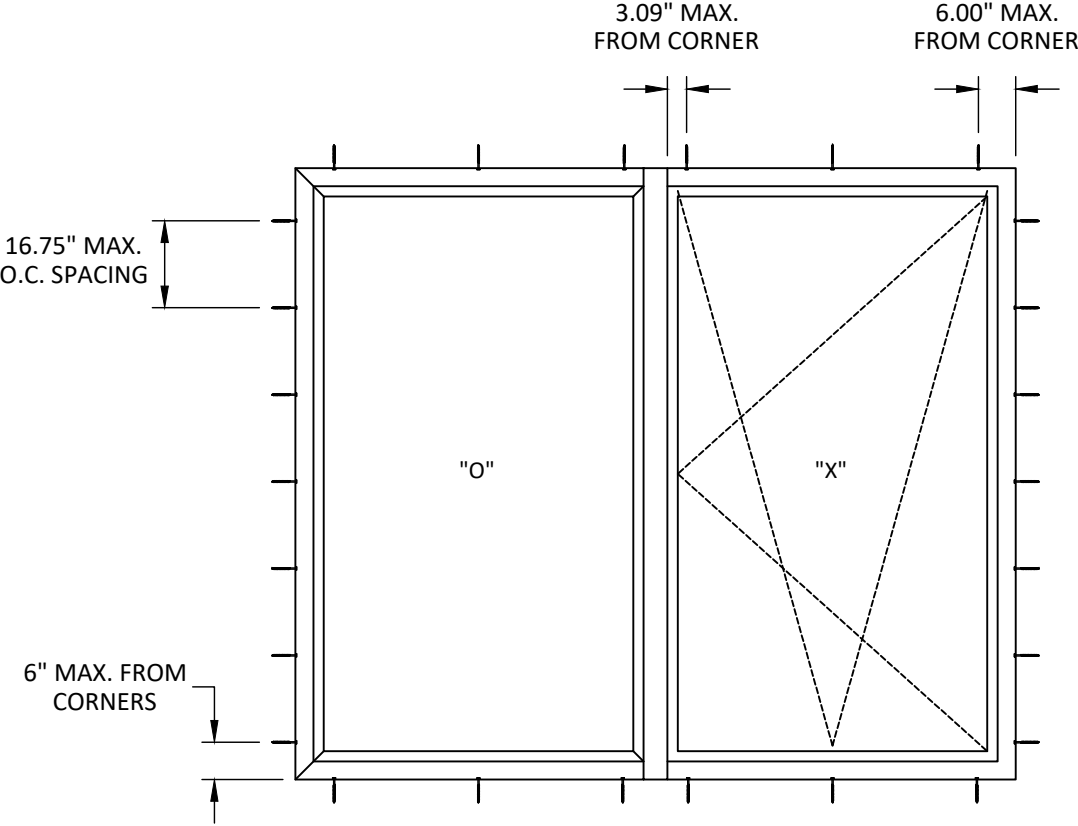


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DWG. #:	ALP013
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OF 6	

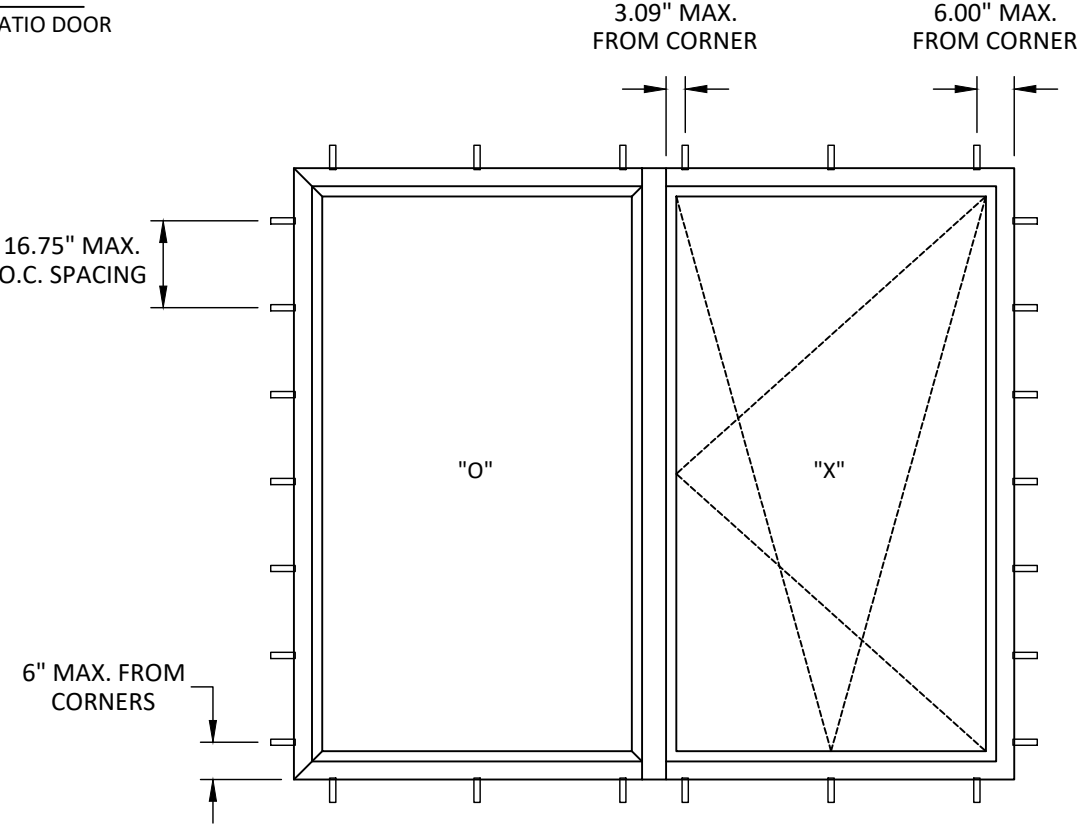


		WIDTH	HEIGHT
1	FRAME	75"	83"
	SASH	35"	80"
	D.L.O.	28 7/8"	73 7/8"

ELEVATION
SLIDING & TILT PATIO DOOR



ANCHOR LAYOUT
THROUGH FRAME



ANCHOR LAYOUT
ANCHOR STRAP



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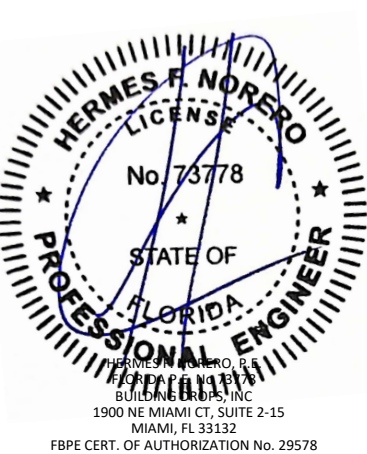
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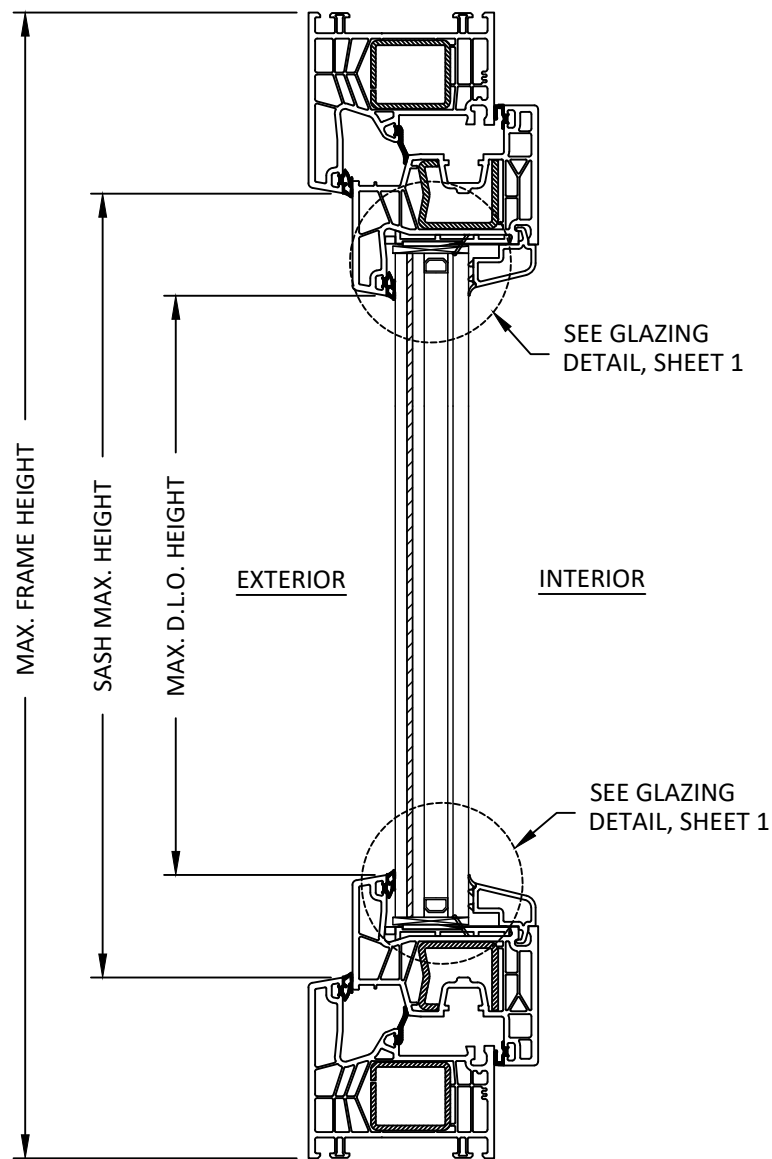


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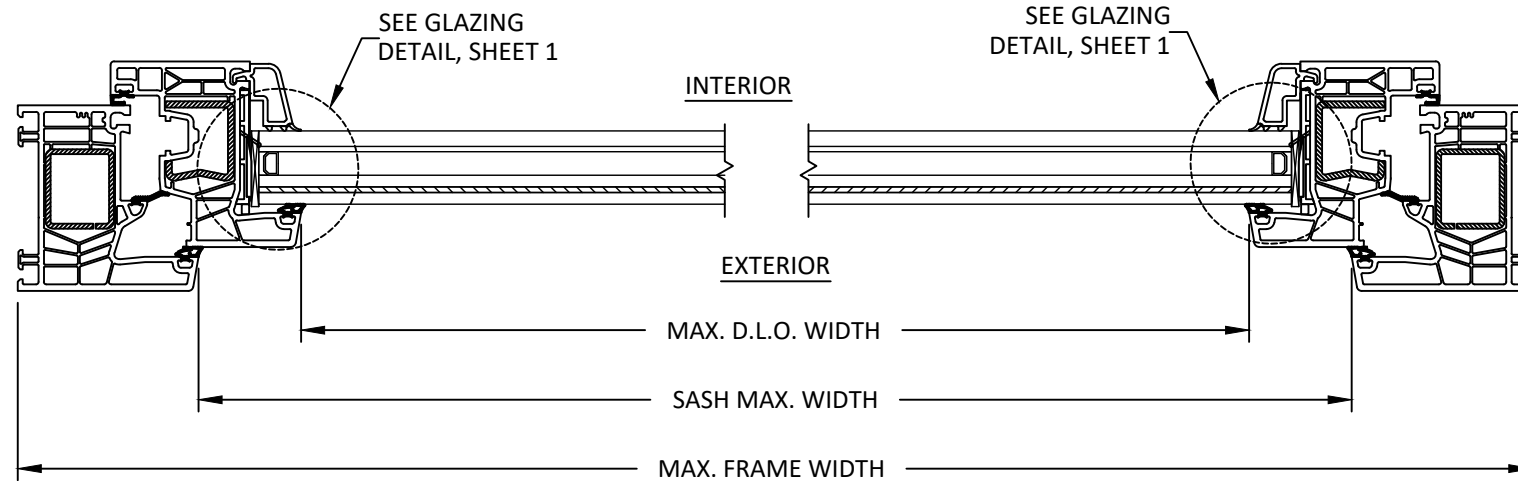
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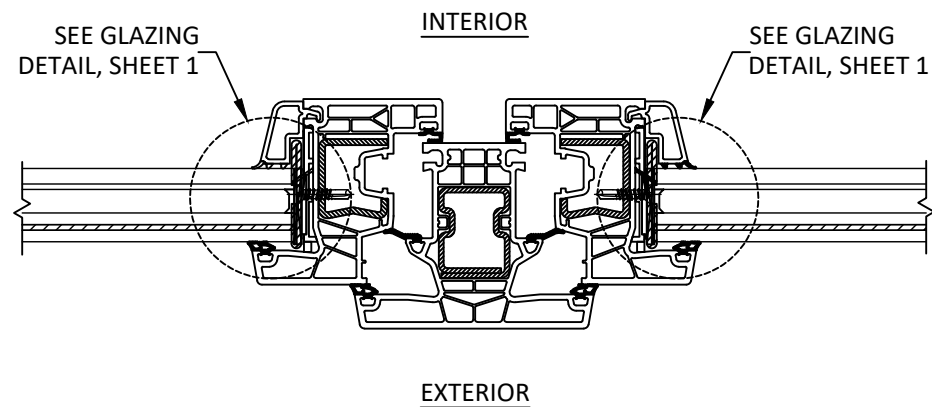


A
3 VERTICAL SECTION
SLIDING & TILT PATIO DOOR



B
3 HORIZONTAL SECTION
SLIDING & TILT PATIO DOOR

C
3 HORIZONTAL SECTION
SLIDING & TILT PATIO DOOR



D
3 HORIZONTAL SECTION
VERTICAL INTEGRAL POST



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VERTICAL & HORIZONTAL
SECTIONS

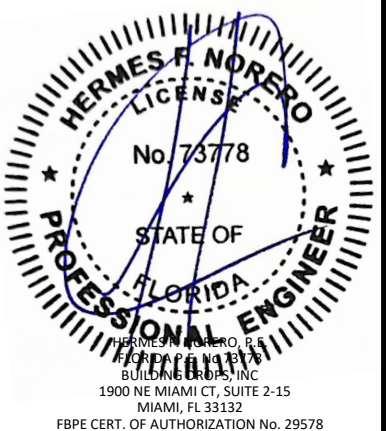
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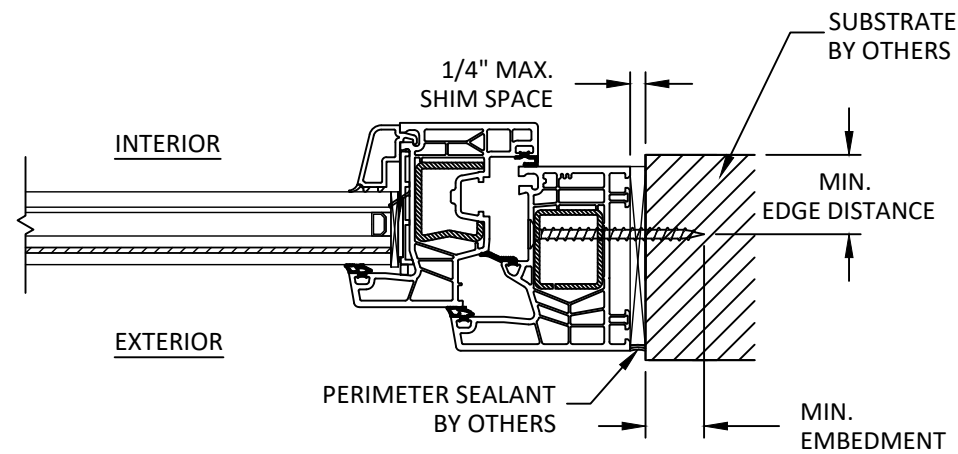


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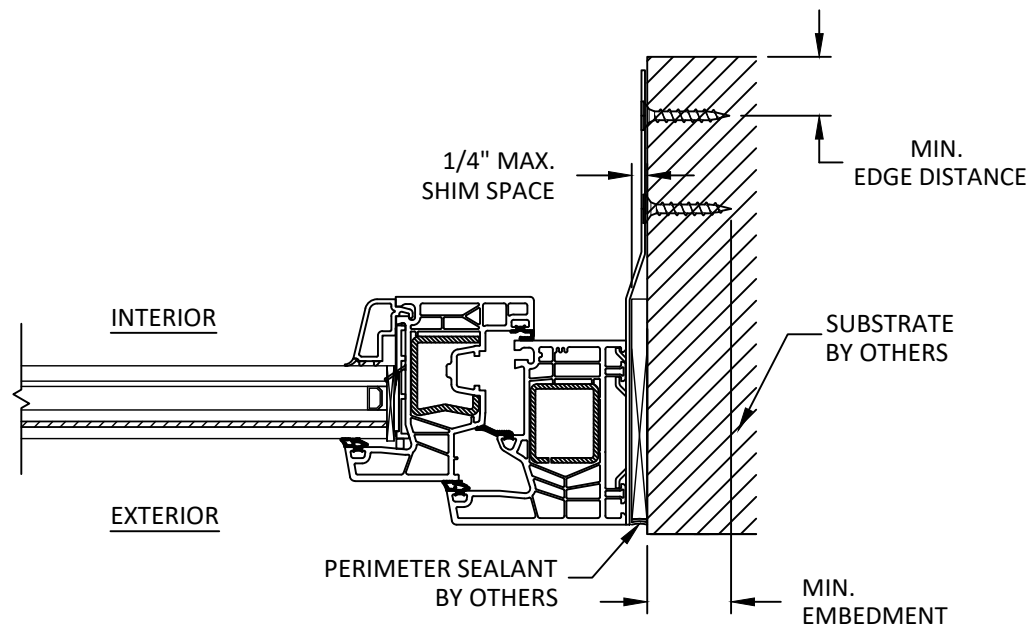
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SHEET:	REV. A
3	OF 6



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



B
4 **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.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
- 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. 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"
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			0.50"
	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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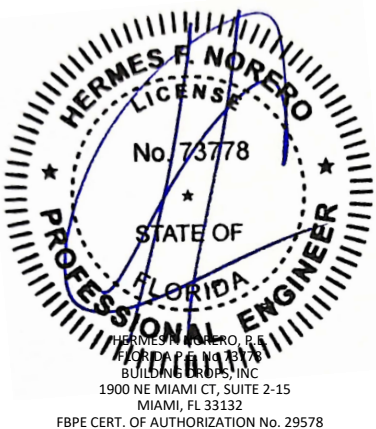
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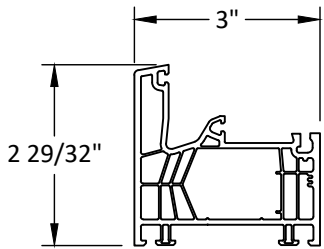
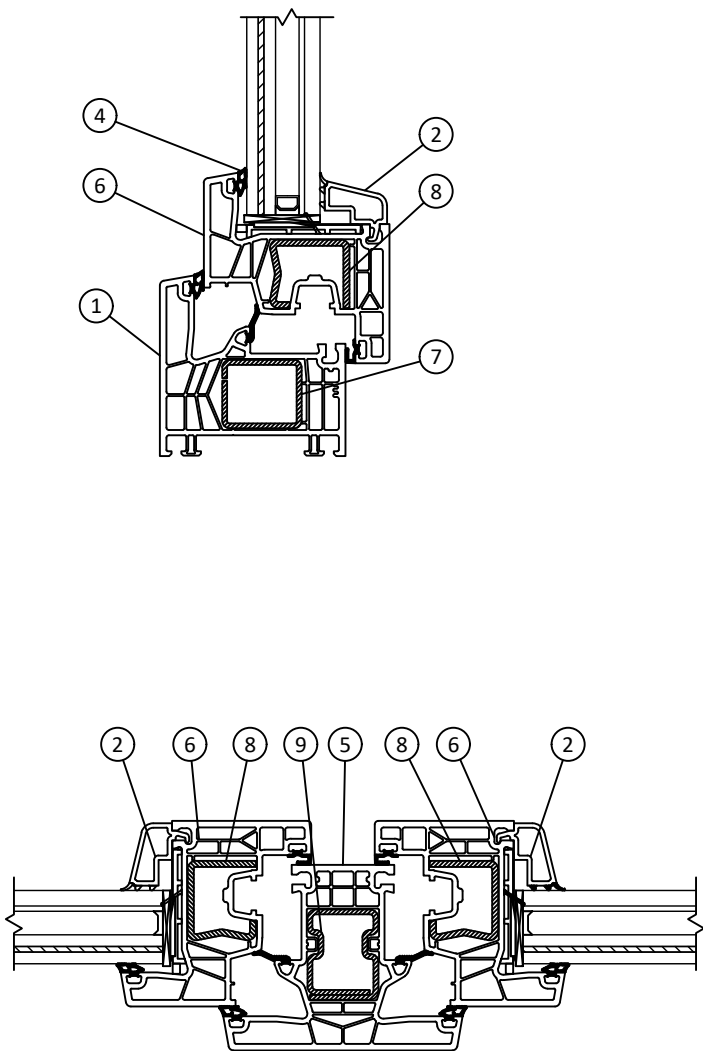
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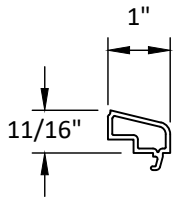


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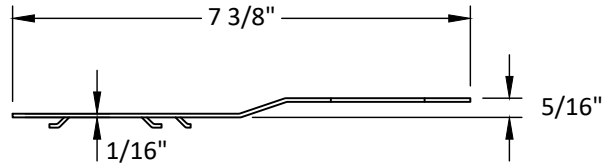
BILL OF MATERIALS			
ITEM	PART No.	DESCRIPTION	MATERIAL
1	76171	FRAME - RIGID VINYL	uPVC
2	2454	I.G. GLAZING BEAD	uPVC
3	S041	ANCHOR STRAP	
4	-	GLAZING GASKET (RUBBER 70 DUR)	EPDM
5	76301	MULLION	uPVC
6	76271	SASH	uPVC
7	V310	REINFORCEMENT	STEEL
8	V306	REINFORCEMENT	STEEL
8	V321	REINFORCEMENT	STEEL



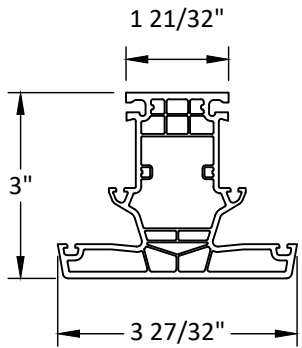
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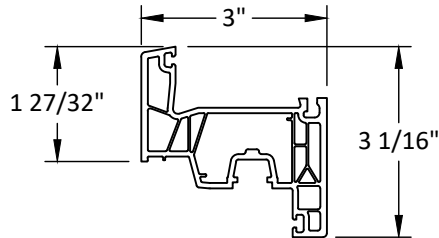
2 I.G. GLAZING BEAD



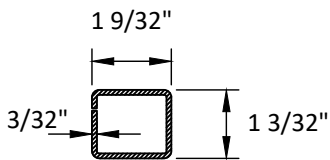
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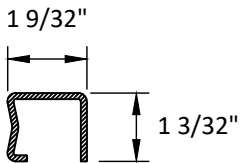
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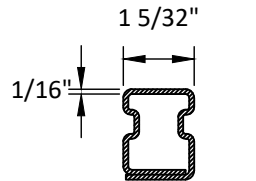
6 SASH



7 REINFORCEMENT



8 REINFORCEMENT



9 REINFORCEMENT



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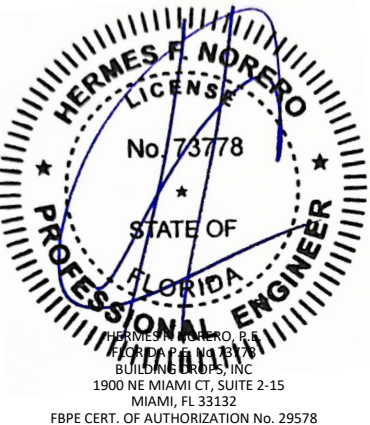
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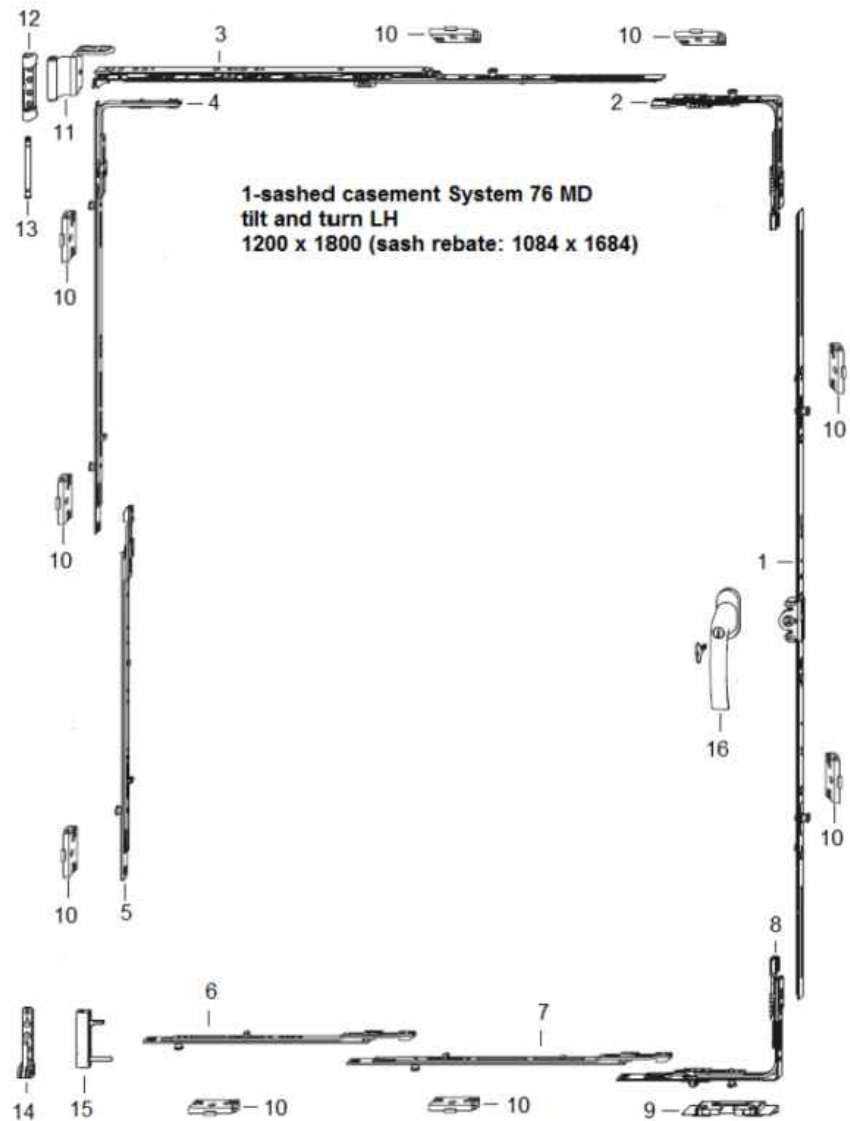
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MULTIPOINT HARDWARE



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.4 1RS	TSKK2040-...
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 2+ 1RS	TZBS0190-...
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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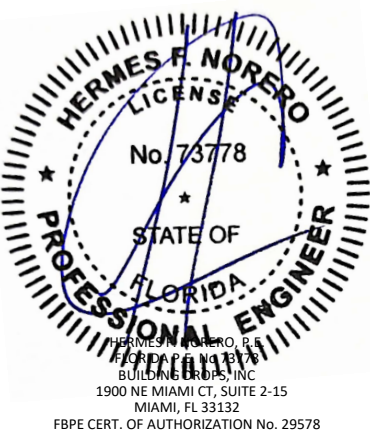
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SHEET: 6	REV. A
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OF 6