

ALUCORP S.A. DE C.V.

SERIES 76MD INSWING

CASEMENT/TILT & TURN WINDOW

(HVHZ)(IMPACT)

GENERAL NOTES:

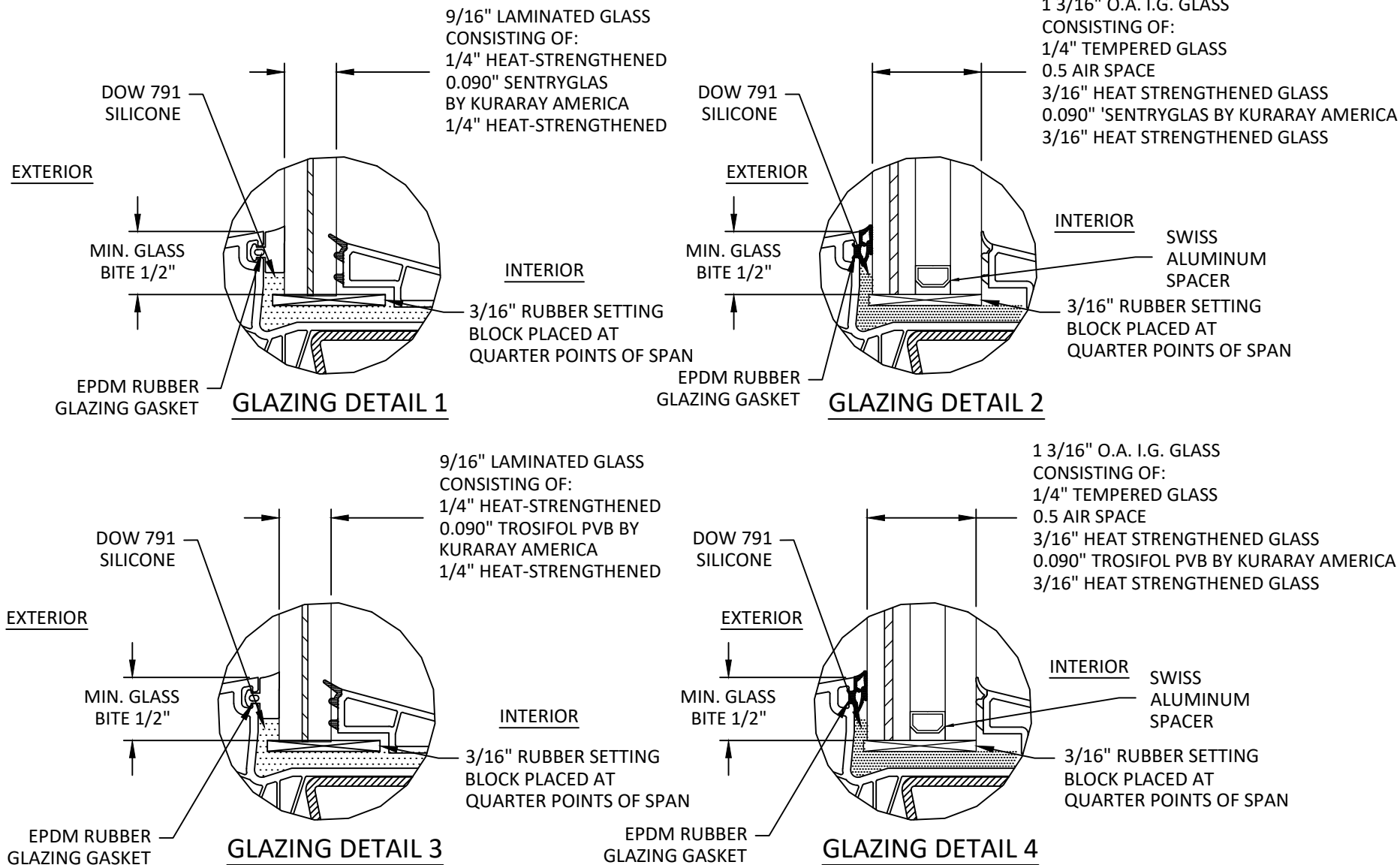
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND 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.
- 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.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/4$ 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.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: uPVC
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

NOTE:

- GLASS TYPE AND THICKNESS COMPLIES WITH ASTM E-1300 GLASS CHART REQUIREMENTS.
- ALL GLAZING CONFIGURATIONS COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN 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.

MAX. OVERALL SIZE		CONFIG.	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
48"	84"	X	+/- 120 PSF	LMI
96"	84"	XX	+/- 120 PSF	LMI

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND GLAZING DETAILS
2	ELEVATIONS AND ANCHOR LAYOUTS
3	ELEVATIONS AND ANCHOR LAYOUTS
4	VERTICAL AND HORIZONTAL SECTIONS
5	VERTICAL AND HORIZONTAL SECTIONS
6	INSTALLATION NOTES AND ANCHOR DETAILS
7	BILL OF MATERIALS AND COMPONENTS
8	MULTIPOINT HARDWARE



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

TITLE: SERIES 76MD INSWING
CASEMENT/TILT & TURN WINDOW
(HVHZ)(IMPACT)
GENERAL NOTES AND
GLAZING DETAILS

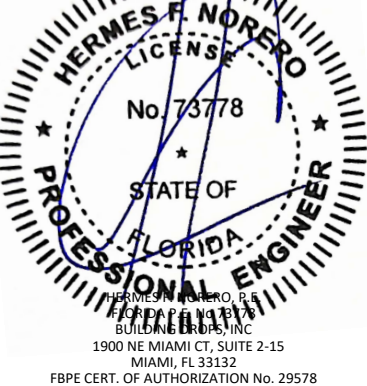
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 999-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



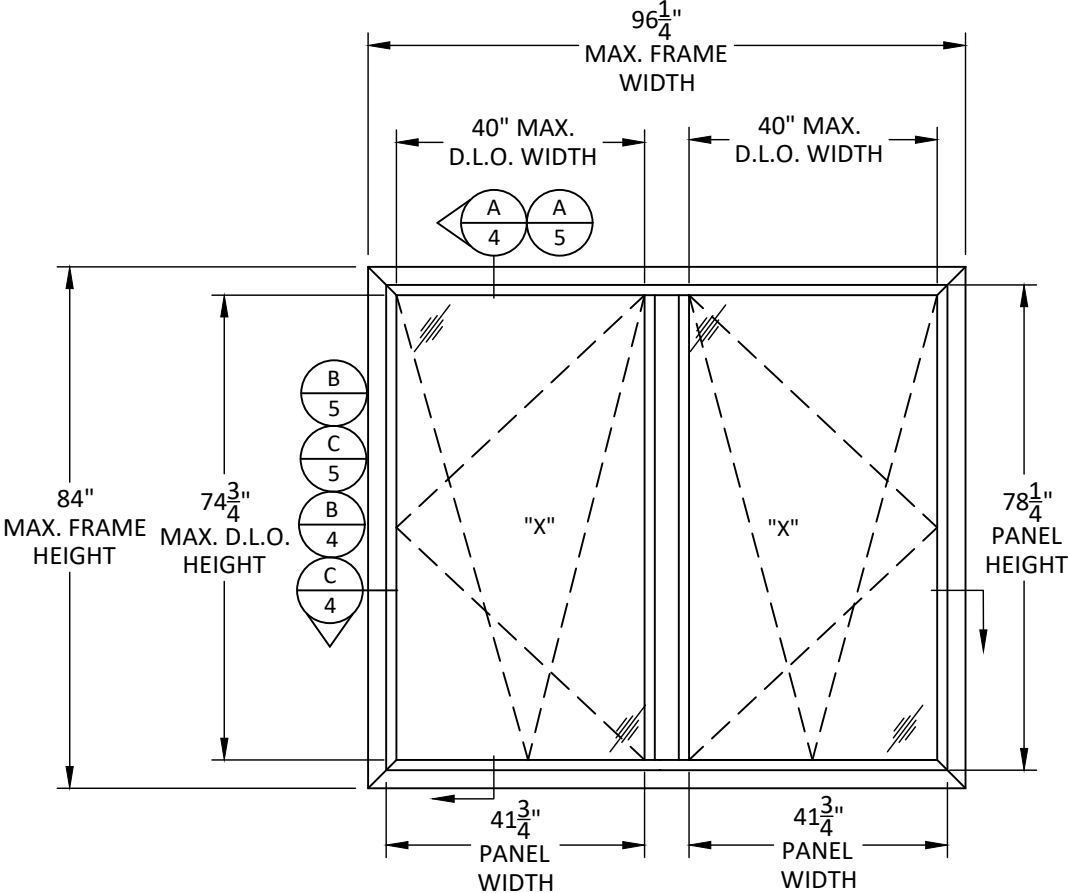
REMARKS	BY	DATE

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.

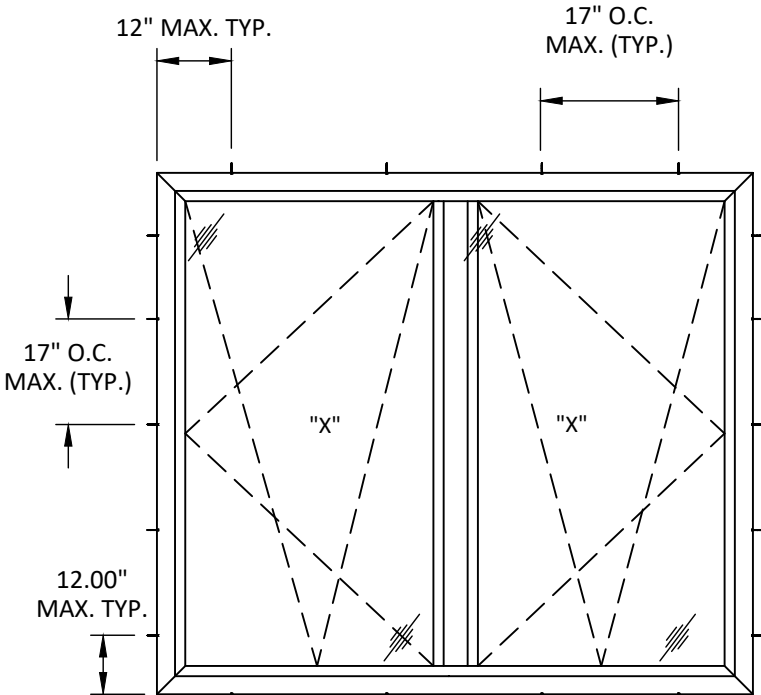
Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.06.16 17:07:48 -0400'



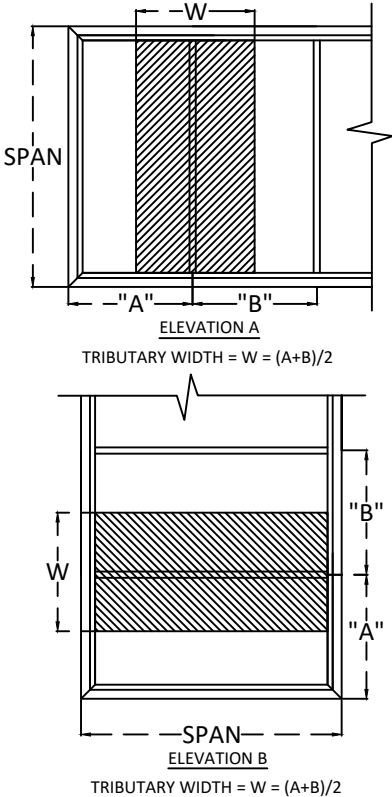
FL#	FL47584	
DATE:	06.16.25	
DWG. BY:	DB	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	ALP017	
SHEET:	1 OF 8	



ELEVATION
INSWING



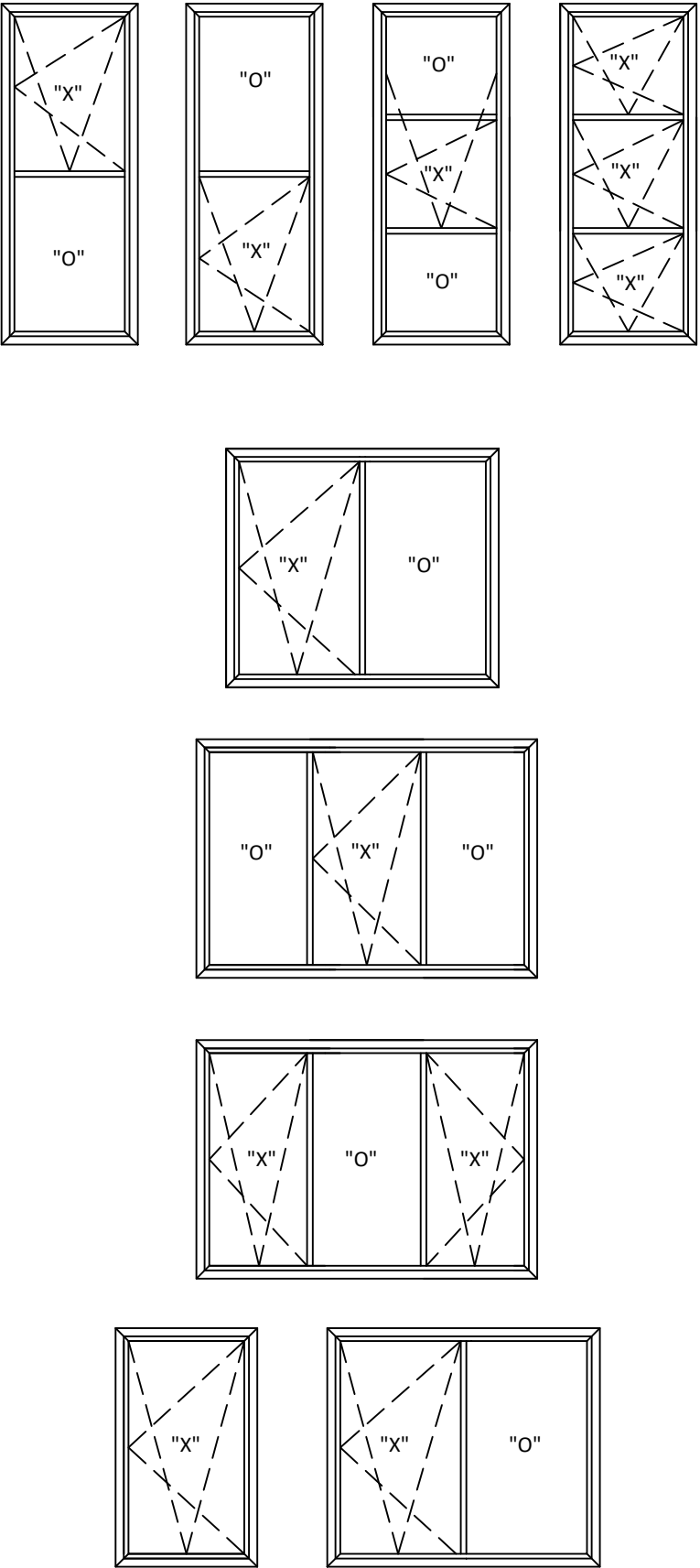
ANCHOR LAYOUT
THROUGH FRAME OR STRAP



DESIGN PRESSURE TABLE (PSF) - CASEMENT/T&T WINDOW WITH GLAZING DETAILS G1-G4								
PANEL WIDTH (INCHES)								
FRAME HEIGHT (INCHES)		24	30	36	42	48	54	66
	60	120.0	120.0	120.0	120.0	120.0	106.7	105.6
	66	120.0	120.0	120.0	120.0	120.0	106.7	-
	72	120.0	120.0	120.0	120.0	120.0	106.7	-
	78	120.0	120.0	120.0	120.0	120.0	-	-
	84	120.0	120.0	120.0	120.0	120.0	-	-
	90	120.0	120.0	120.0	120.0	-	-	-
	96	120.0	120.0	120.0	120.0	-	-	-
	102	120.0	120.0	120.0	-	-	-	-
	108	120.0	120.0	120.0	-	-	-	-
	114	120.0	120.0	-	-	-	-	-
	120	120.0	120.0	-	-	-	-	-

NOTE:
TABLE APPLIES TO ITEMS (5) AND (10)

QUALIFIED CONFIGURATIONS



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

TITLE: SERIES 76MD INSWING
CASEMENT/TILT & TURN WINDOW
(HVHZ)(IMPACT)

ELEVATIONS AND
ANCHOR LAYOUTS

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

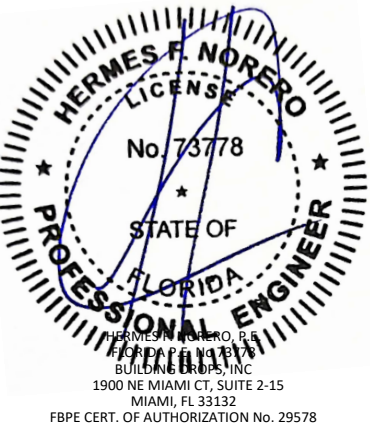


REMARKS

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.



FL#

FL47584

DATE: 06.16.25

DWG. BY:
DB

CHK. BY:
HFN

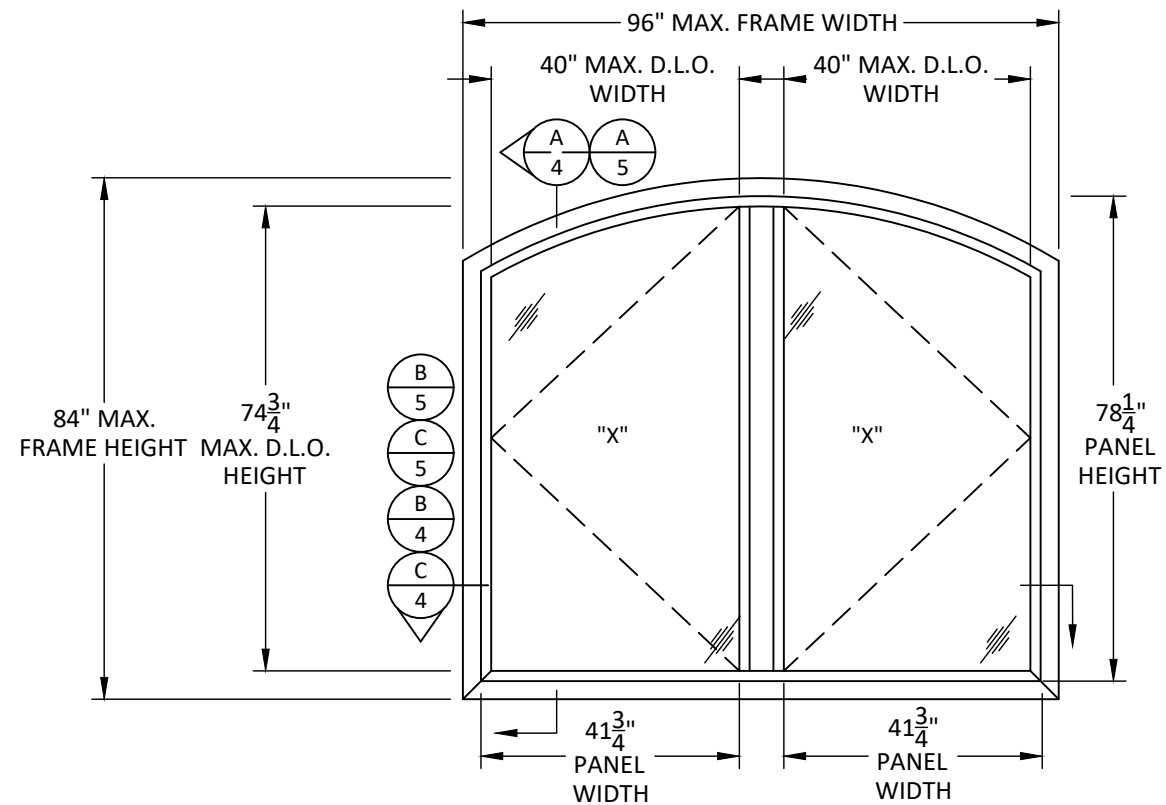
SCALE: NTS

DWG. #: ALP017

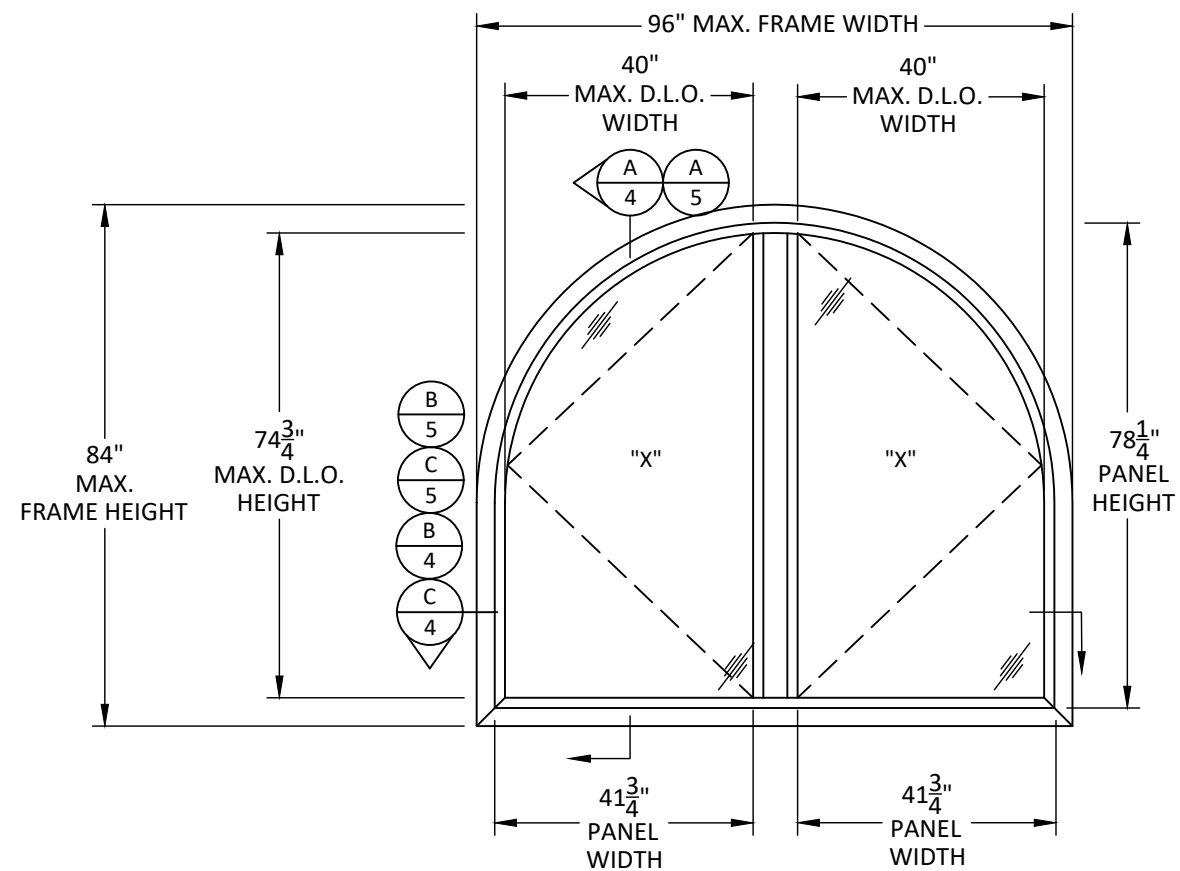
SHEET:

2

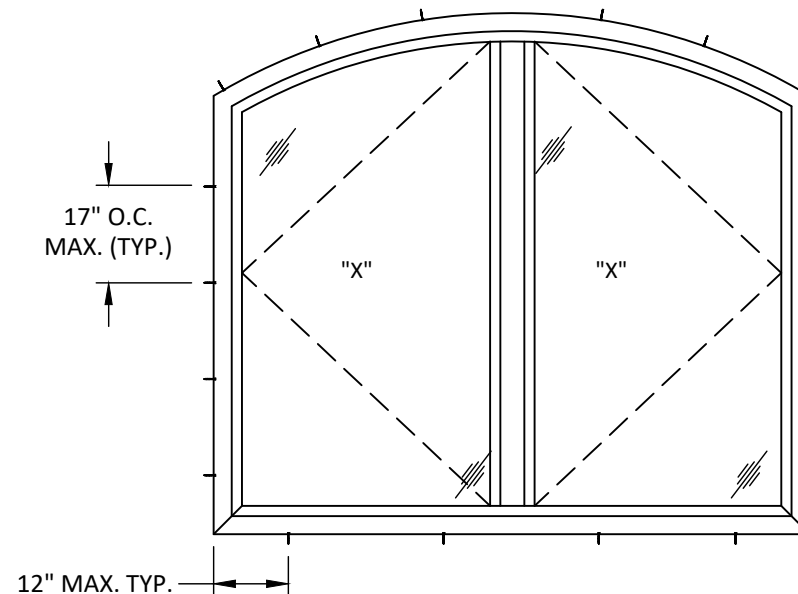
OF 8



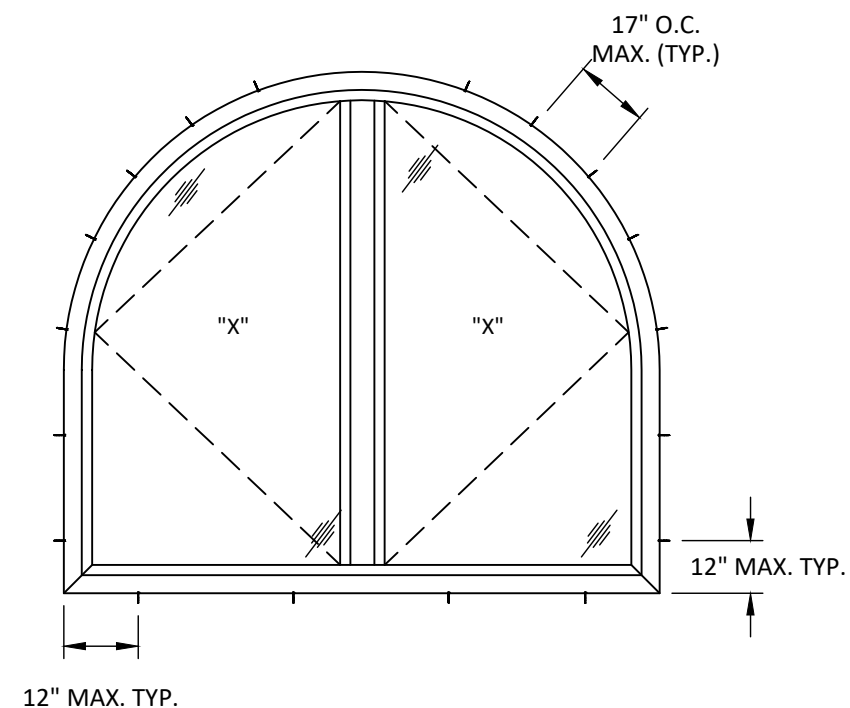
ELEVATION
INSWING



ELEVATION
INSWING



ANCHOR LAYOUT
THROUGH FRAME OR STRAP



ANCHOR LAYOUT
THROUGH FRAME OR STRAP



INTERALUM

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

TITLE: SERIES 76MD INSWING
CASEMENT/TILT & TURN WINDOW
(HVHZ)(IMPACT)

ELEVATIONS AND
ANCHOR LAYOUTS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132

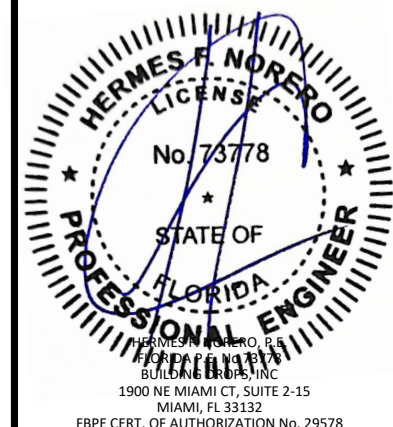
PH: (954) 999-8478
FAX: (954) 744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE

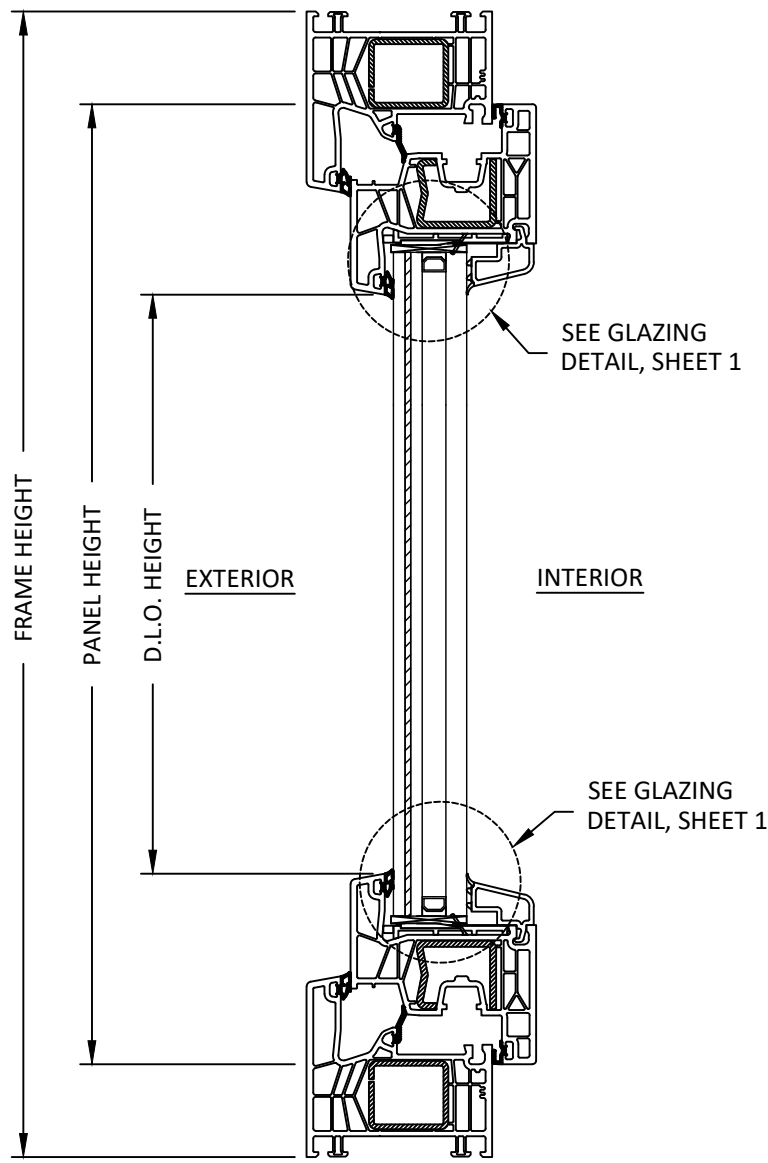
THE INSTALLATION DETAILS DESCRIBED HERE IN ARE GENERIC
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR USE WITH THIS DOCUMENT.



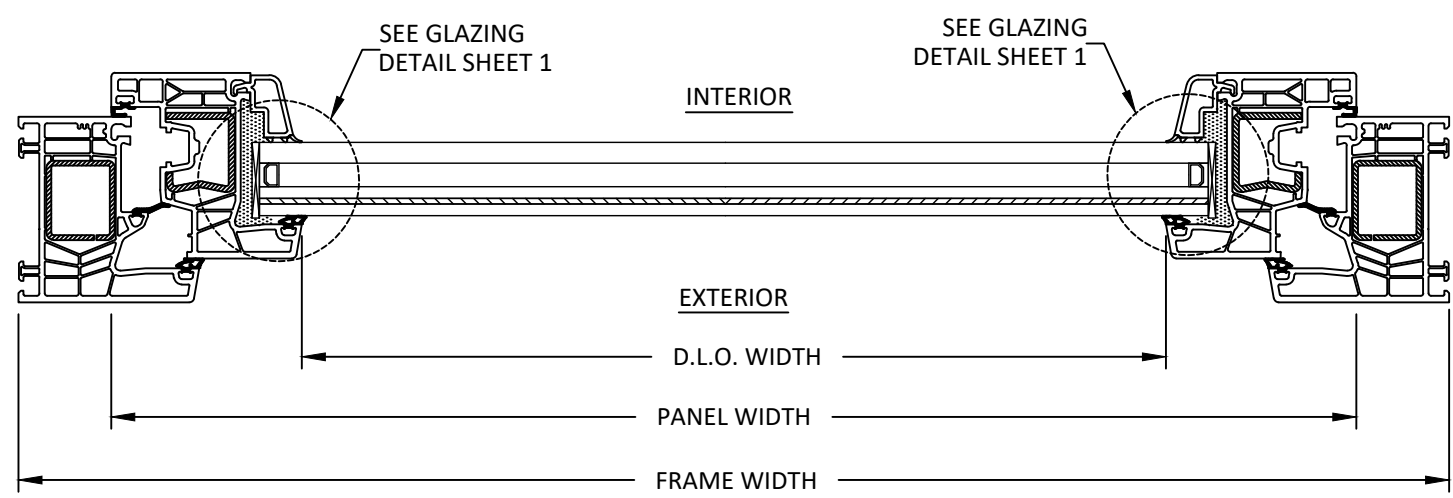
FL#	FL47584
DATE:	06.16.25
DWG. BY:	DB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALP017
SHEET:	

3

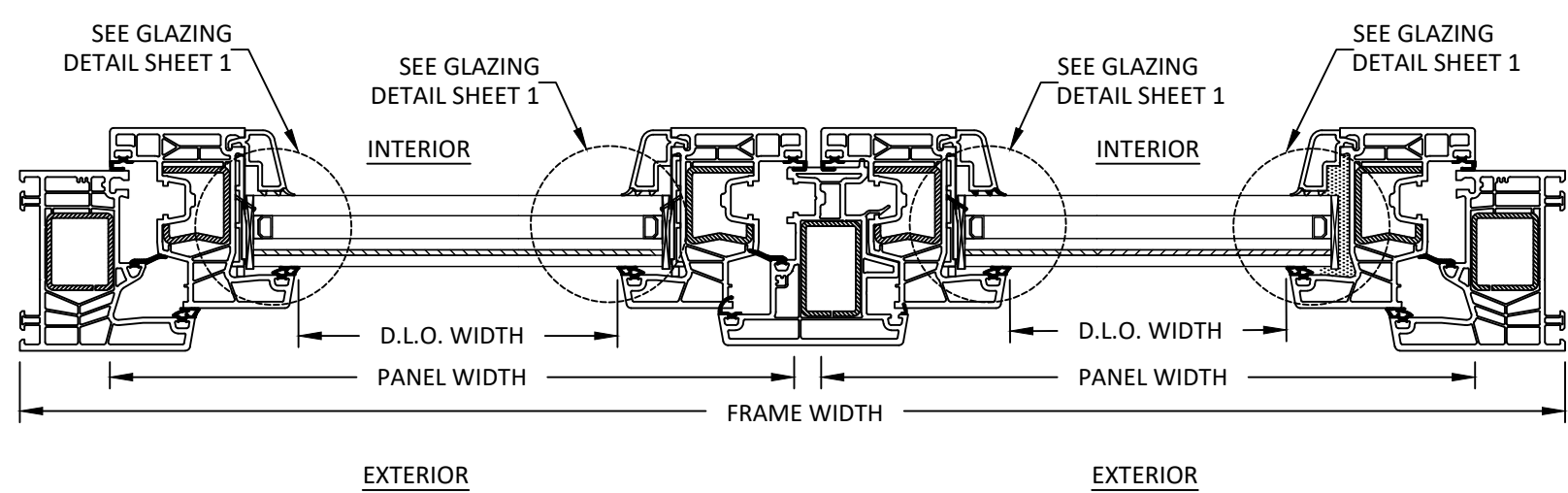
OF 8



A
4 **VERTICAL SECTION**
OPERABLE WINDOW



B
4 **HORIZONTAL SECTION**
OPERABLE WINDOW



C
4 **HORIZONTAL SECTION**
OPERABLE TWIN WINDOW



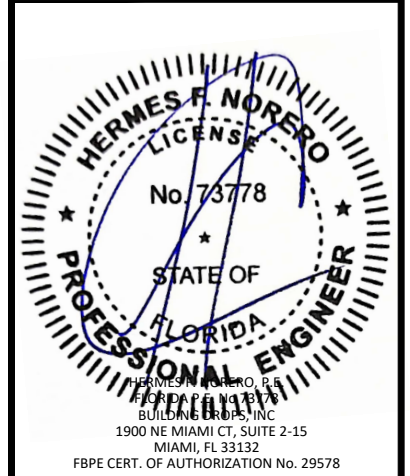
ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE: SERIES 76MD INSWING
CASEMENT/TILT & TURN WINDOW
(HVHZ)(IMPACT)
VERTICAL AND HORIZONTAL
SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)999-8478
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.



FL# **FL47584**

DATE: **06.16.25**

DWG. BY: DB	CHK. BY: HFN
-----------------------	------------------------

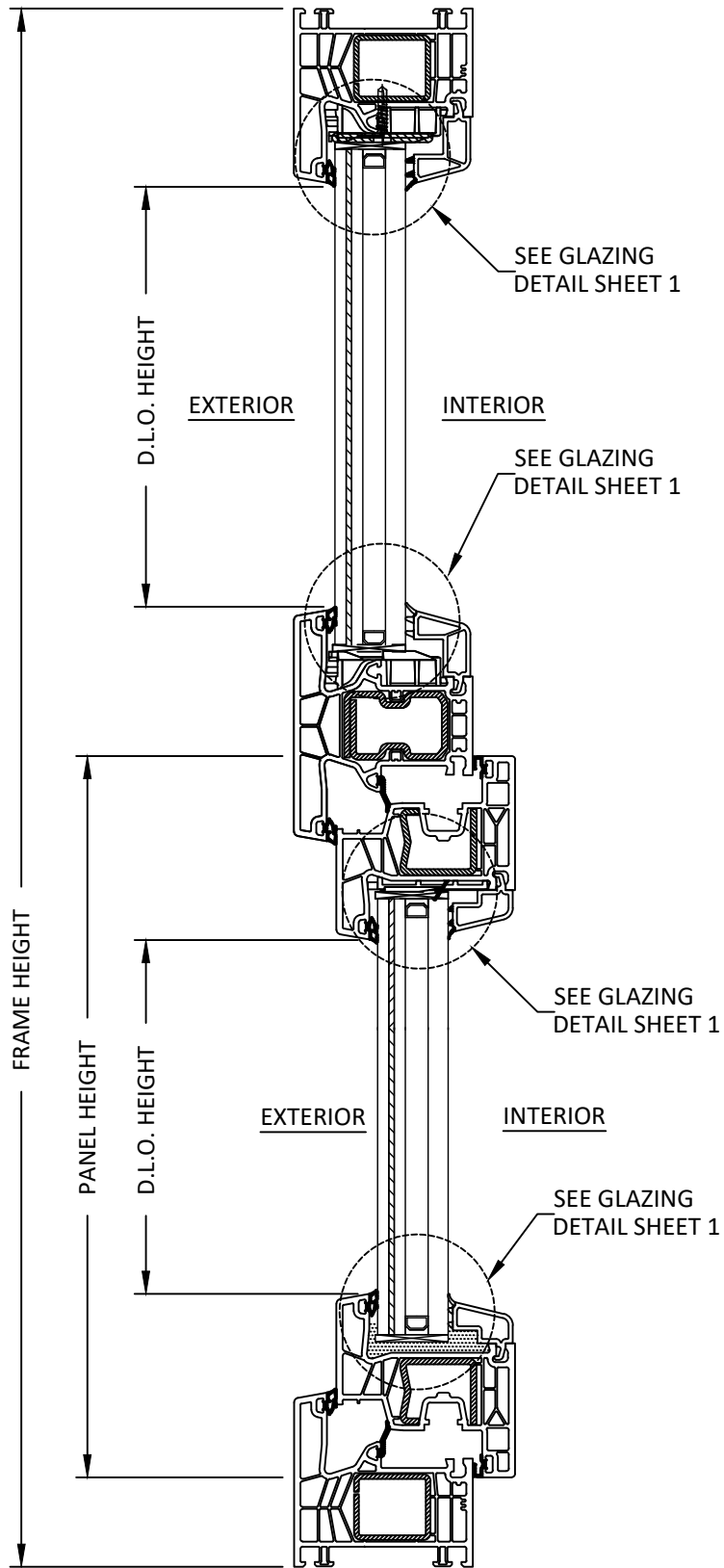
SCALE: **NTS**

DWG. #: **ALP017**

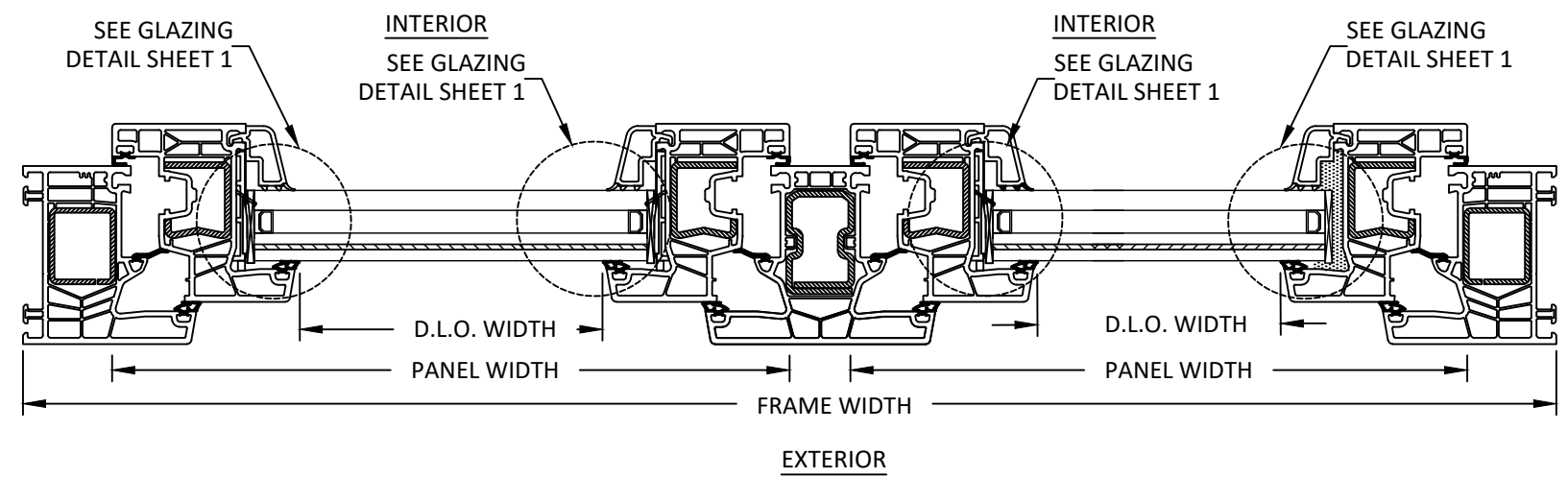
SHEET:

4

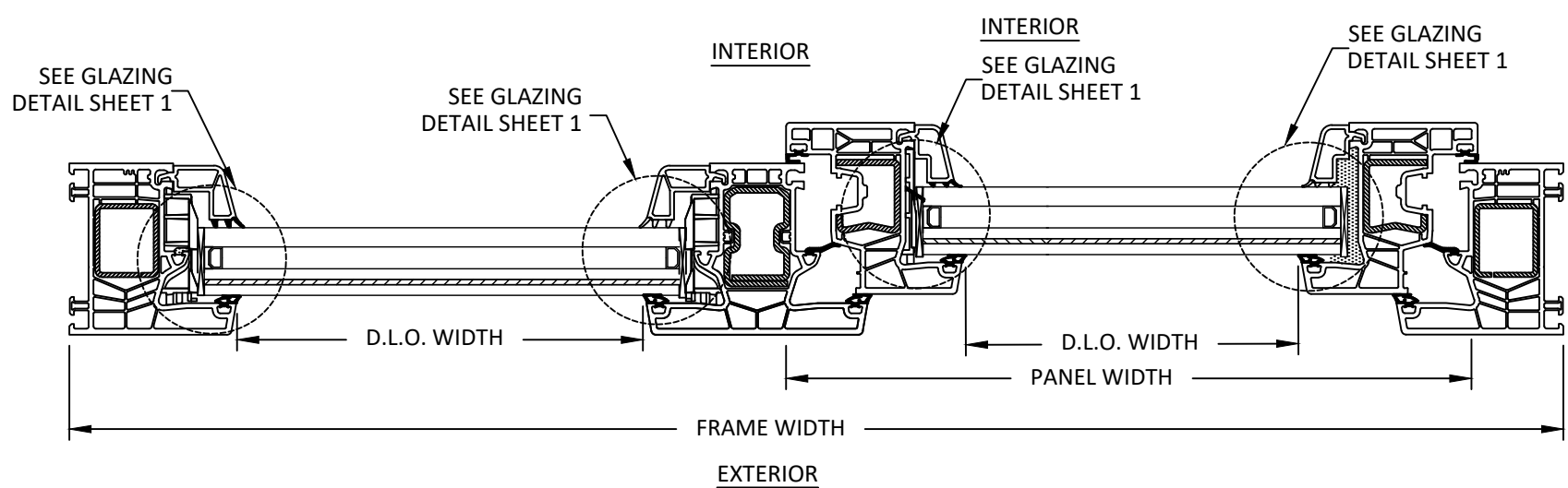
OF 8



A
5 **VERTICAL SECTION**
OPERABLE FIXED WINDOW



B
5 **HORIZONTAL SECTION**
OPERABLE TWIN WINDOW



C
5 **HORIZONTAL SECTION**
OPERABLE FIXED WINDOW



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

TITLE: SERIES 76MD INSWING
CASEMENT/TILT & TURN WINDOW
(HVHZ)(IMPACT)

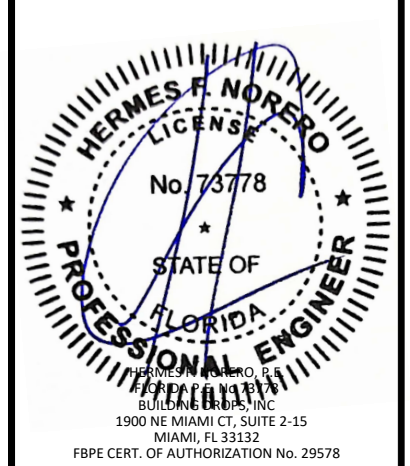
VERTICAL AND HORIZONTAL
SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 999-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

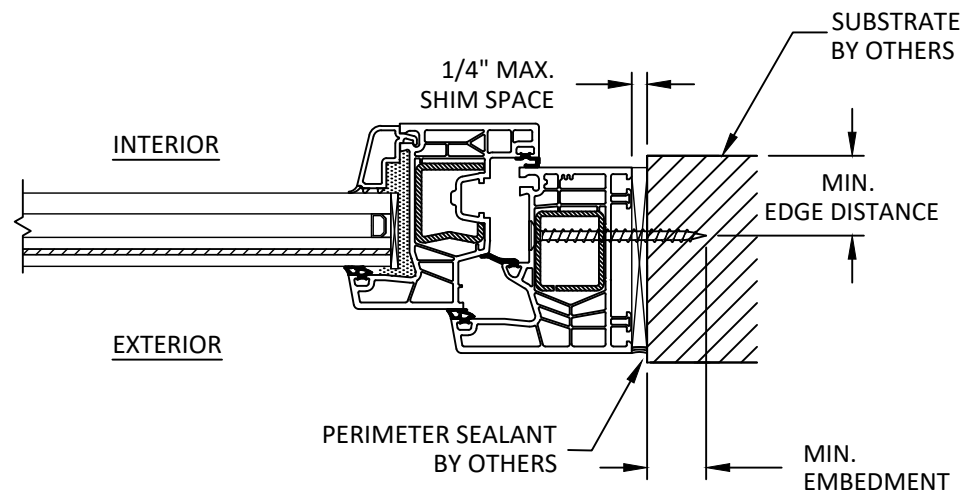


REMARKS	BY	DATE

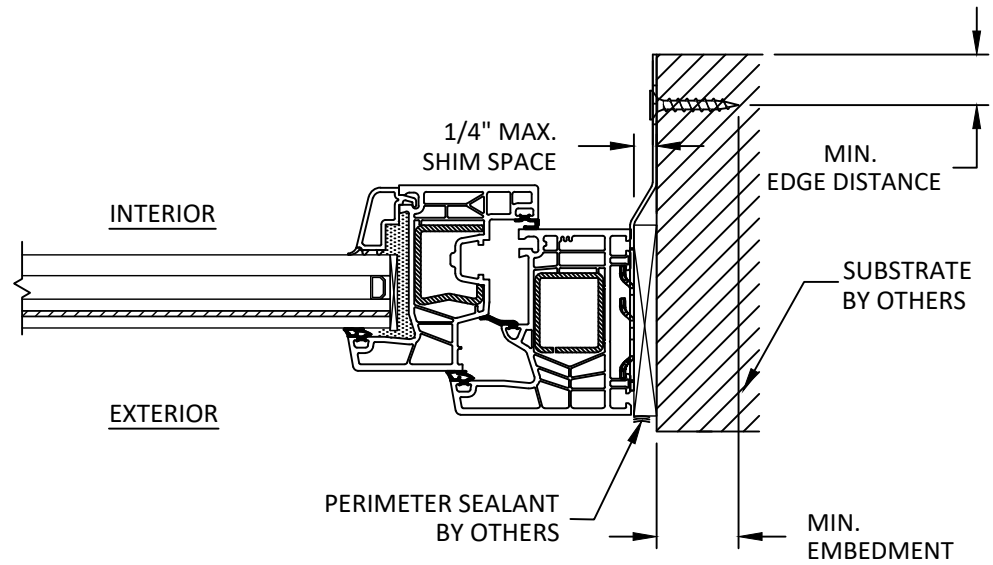
THE INSTALLATION DETAILS DESCRIBED HERE IN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL#	FL47584
DATE:	06.16.25
DWG. BY:	DB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALP017
SHEET:	5
	OF 8



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.
- 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	1.5"	0.75"
	METAL: 18 GAUGE STEEL, MIN. FY = 33KSI	#10 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
	METAL: ALUMINUM MIN. THICKNESS 1/8". MIN. 6063-T5			
	CONCRETE: MIN. F'C=3000PSI	3/16" ITW TAPCON FLATHEAD	1.25"	2.0
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1"	2.0



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

TITLE: SERIES 76MD INSWING
CASEMENT/TILT & TURN WINDOW
(HVHZ)(IMPACT)

INSTALLATION NOTES AND
ANCHOR DETAILS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15

MIAMI, FL 33132

PH: (954)999-8478

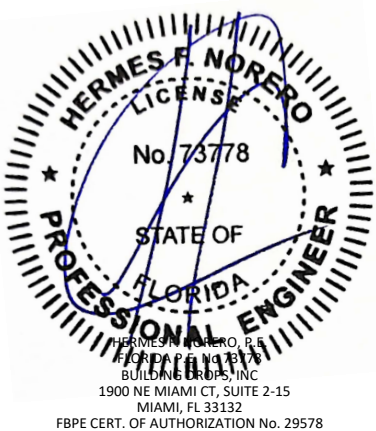
FAX: (954)744-4738

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.



FL# **FL47584**

DATE: **06.16.25**

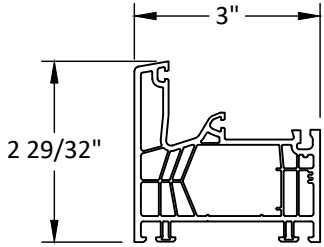
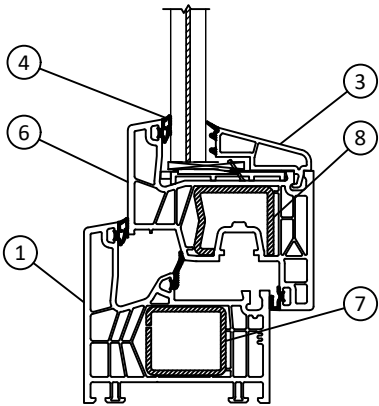
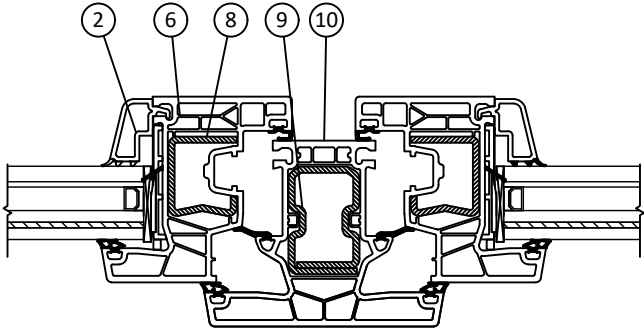
DWG. BY: **DB** CHK. BY: **HFN**

SCALE: **NTS**

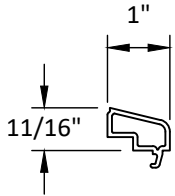
DWG. #: **ALP017**

SHEET:

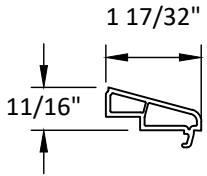
BILL OF MATERIALS			
IN-SWING			
ITEM	PART No.	DESCRIPTION	MATERIAL
1	76171	FRAME - RIGID VINYL	uPVC
2	2454	I.G. GLAZING BEAD	uPVC
3	2452	MONO GLAZING BEAD	uPVC
4	-	GLAZING GASKET (RUBBER 70 DUR)	EPDM
5	76472	MULLION	uPVC
6	76271	VENT	uPVC
7	V310	REINFORCEMENT	STEEL
8	V308	REINFORCEMENT	STEEL
9	V319	REINFORCEMENT	STEEL
10	76372	FRAME	uPVC
11	V317	REINFORCEMENT	STEEL



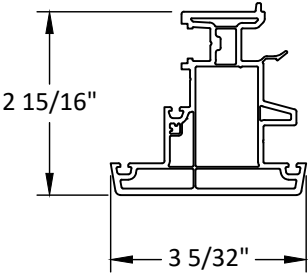
1 FRAME



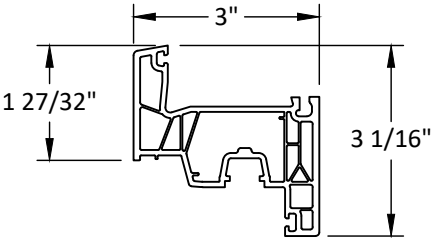
2 I.G. GLAZING BEAD



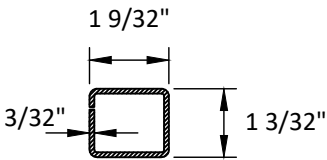
3 LAMI GLAZING BEAD



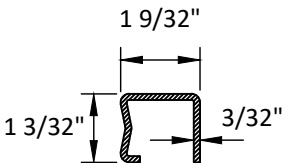
5 MULLION



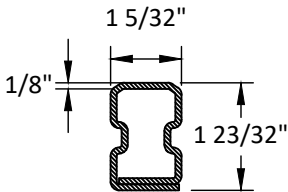
6 VENT



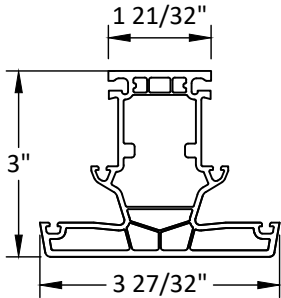
7 REINFORCEMENT



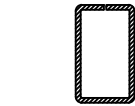
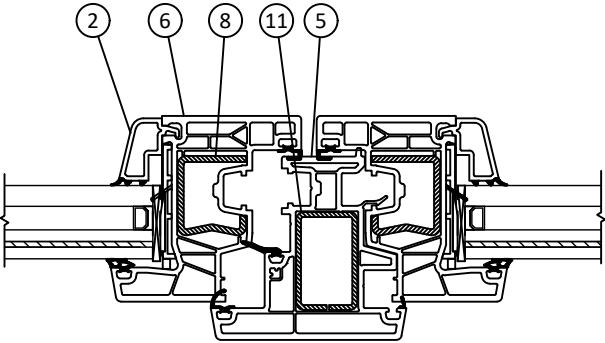
8 REINFORCEMENT



9 REINFORCEMENT



10 MULLION



11 REINFORCEMENT

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

TITLE: SERIES 76MD INSWING
CASEMENT/TILT & TURN 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.

FL#
FL47584

DATE: **06.16.25**

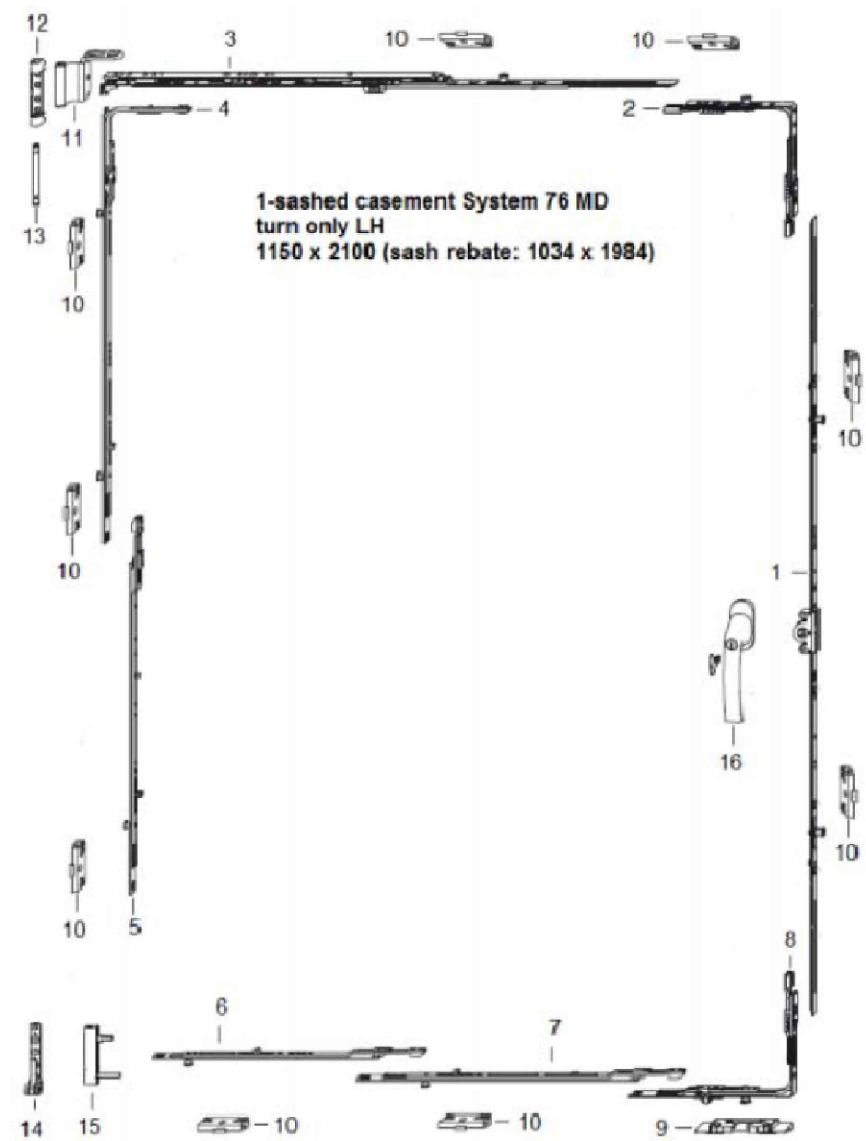
DWG. BY: **DB** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ALP017**

SHEET:
7
OF 8

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-...



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

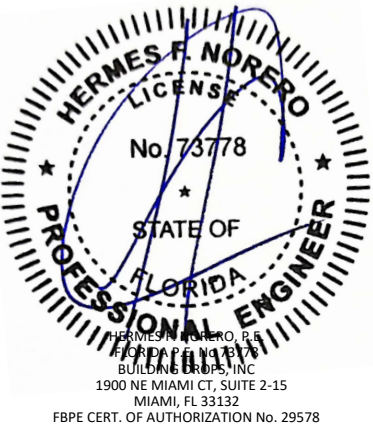
TITLE: SERIES 76MD INSWING
CASEMENT/TILT & TURN WINDOW
(HVHZ)(IMPACT)
MULTIPOINT HARDWARE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)999-8478
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.



FL#
FL47584

DATE: **06.16.25**

DWG. BY: DB	CHK. BY: HFN
-----------------------	------------------------

SCALE: **NTS**

DWG. #: **ALP017**

SHEET: