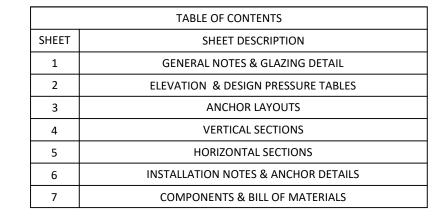
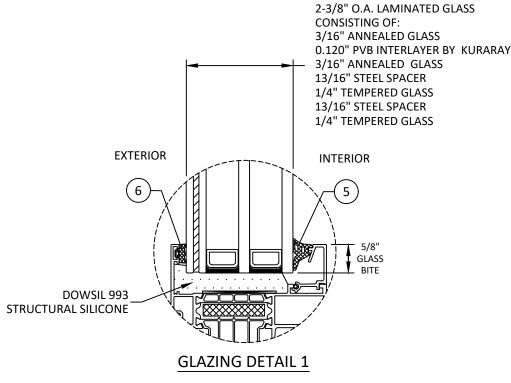
DRUTEX S.A.

MB-86N SI DUAL TILT & TURN 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:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - ASTM E1886-19
 - ASTM E1996-20
 - 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.
- 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.
- 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
- 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 ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.
- CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.





CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
xx	SEE TABLES ON SHEET 2			LARGE & SMALL MISSILE IMPACT

GLAZING NOTES:

- 1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- 2. 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 SHOWN



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MB-86N SI TILT & TURN WINDOW (HVHZ) (IMPACT)

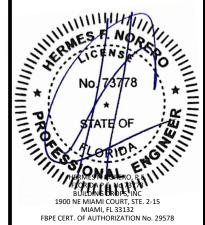
REMARKS

BY DATE

UILDING DROPS,

ND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIF

ITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIA FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC



FL #: FL46726

03.19.24 DATE: DWG. BY: CHK. BY:

FB NTS SCALE:

DRU042 DWG. #:

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ELEVATIONS

SASH HEIGHT = FRAME HEIGHT - 3.00" SASH WIDTH = $\frac{FRAME WIDTH}{2}$ - 2.00" D.L.O. HEIGHT = FRAME HEIGHT - 4.48" D.L.O. WIDTH = $\frac{\text{FRAME WIDTH}}{2}$ - 8.09"

DESIGN PRESSURE TABLE (PSF)				
NOMINAL DIMS.				
D.LO. WIDTH (IN.)	D.L.O. HEIGHT (IN.)	POS. (+)	NEG. (-)	
36		70.0	70.0	
48	1	70.0	70.0	
60	1	70.0	70.0	
72	1	70.0	70.0	
84		70.0	70.0	
96	1	70.0	70.0	
108	36	70.0	70.0	
120	1	70.0	70.0	
132	1	70.0	70.0	
144	1	70.0	70.0	
156		70.0	70.0	
168	1	70.0	70.0	
36		70.0	70.0	
48	1	70.0	70.0	
60	1	70.0	70.0	
72	1	70.0	70.0	
84	1	70.0	70.0	
96	42	70.0	70.0	
108	1	70.0	70.0	
120	1	70.0	70.0	
132	1	70.0	70.0	
144	1	70.0	70.0	
36		70.0	70.0	
48	1	70.0	70.0	
60		70.0	70.0	
72]	70.0	70.0	
84	48	70.0	70.0	
96		70.0	70.0	
108]	70.0	70.0	
120		70.0	70.0	
132		70.0	70.0	
36		70.0	70.0	
48		70.0	70.0	
60	1	70.0	70.0	
72	54	70.0	70.0	
84		70.0	70.0	
96		70.0	70.0	
108		70.0	70.0	
36		70.0	70.0	
48]	70.0	70.0	
60	60	70.0	70.0	
72	- 60	70.0	70.0	
84		70.0	70.0	
96		70.0	70.0	
36		70.0	70.0	
48]	70.0	70.0	
60	64.96	70.0	70.0	
72	04.50	70.0	70.0	
84]	70.0	70.0	
98.438		70.0	70.0	



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:: MB-86N SI DUAL TILT & TURN WINDOW (HVHZ) (IMPACT)

ELEVATIONS & DESIGN PRESSURE TABLES

REMARKS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI, EL 33132

PUL: (954)399-8478

BY DATE

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



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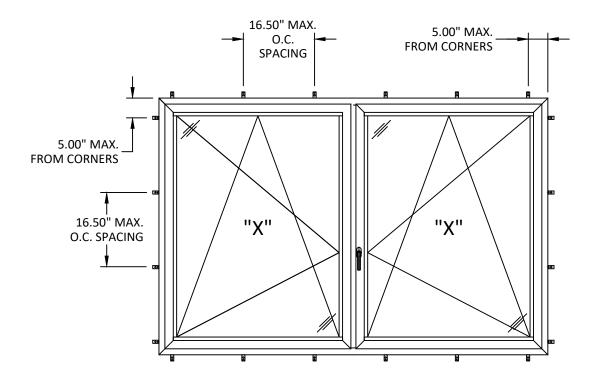
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ANCHOR LAYOUT STRAP INSTALLATION

NOTE: TWO (2) INSTALLATION ANCHORS PER STRAP LOCATION.



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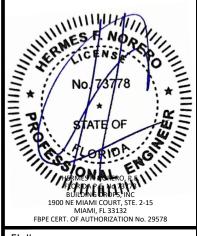
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1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478

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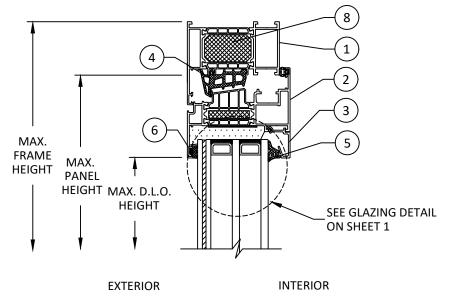
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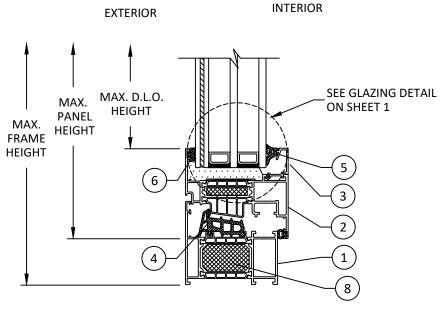
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PREPARED BY:
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MIAMI, EL 33132 :: MB-86N SI DUAL TILT & TURN WINDOW (HVHZ) (IMPACT) VERTICAL SECTIONS

REMARKS BY DATE

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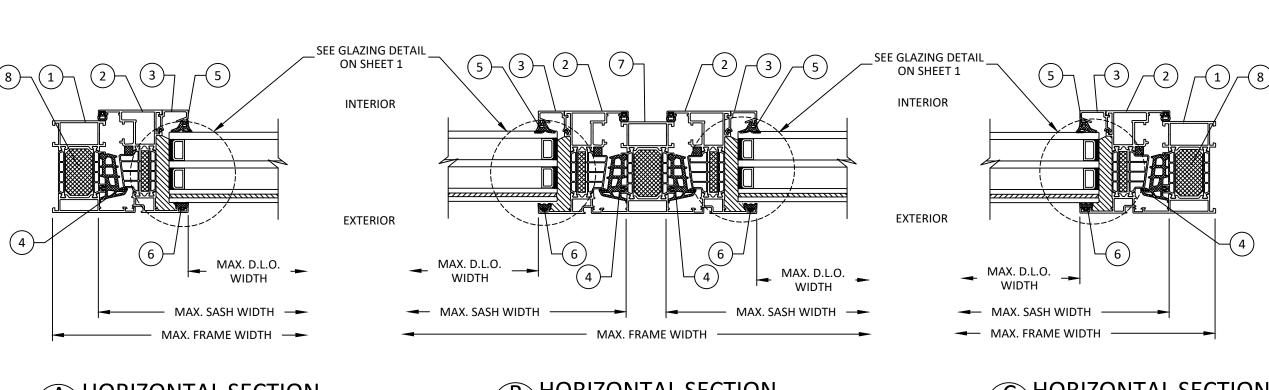
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A HORIZONTAL SECTION

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:: MB-86N SI DUAL TILT & TURN WINDOW (HVHZ) (IMPACT) HORIZONTAL SECTIONS

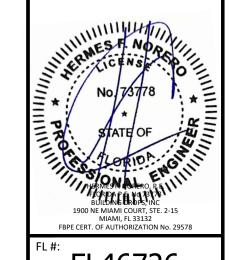
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SUILDING DROPS, II 1900 NE MIAMI COURT, STE. 2-2 MIAMI, FL 33132 PH: (954)399-8478

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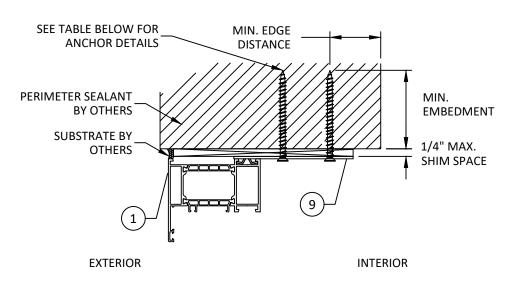
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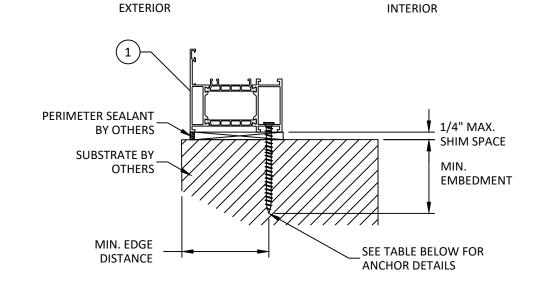




NOTE: SILL & JAMB SIMILAR

INSTALLATION NOTES:

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 3.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 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.
- 3. 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.
- 4. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 5. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 6. 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.
- 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.
- 8. 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.





NOTE: HEAD & JAMB SIMILAR

		ANCHOR SCHEDU	JLE	
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
STRAP	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1.50"	0.75"
	METAL: 18 GA. STEEL MIN. Fy = 33 KSI ALUMINUM 1/8" MIN., 6063-T5	#8 SELF-DRILLING SCREW	3 THREADS MIN. PENETRATION BEYOND STRUCTURE	0.50"
	CONCRETE: f'c = 3000 PSI	3/16" ITW TAPCON	1.25"	2.00"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1.00"	2.00"
THROUGH FRAME	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.50"	0.75"
	METAL: 18 GA. STEEL MIN. Fy = 33 KSI ALUMINUM 1/8" MIN., 6063-T5	#12 WOOD SCREW	3 THREADS MIN. PENETRATION BEYOND STRUCTURE	0.50"
	CONCRETE: f'c = 3000 PSI	3/16" ITW TAPCON	1.25"	2.00"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1.00"	2.00"



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MB-86N SI
(HVHZ) (IMPACT)
ANCHOR LAYOUTS

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1900 NE MIAMI COURT, STE. 2-15

REMARKS BY DATE

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SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIAT
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FB HFN

SCALE: NTS

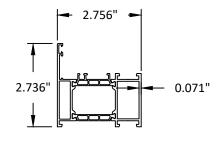
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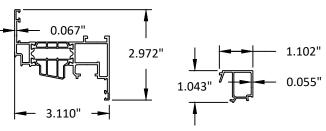
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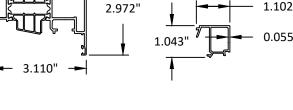
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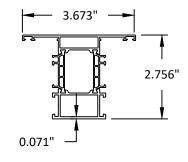
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	DUAL TILT & TURN - BILL OF MATERIALS				
NO.	PART NO.	DESCRIPTION	REMARKS		
1	K528612	FRAME	ALUMINUM 6063-T5		
2	K528712	SASH	ALUMINUM 6063-T5		
3	K431620	GLAZING BEAD	ALUMINUM 6063-T5		
4	120759	CENTRAL GASKET	EPDM		
5	120750	GASKET	EPDM		
6	120518	GASKET	EPDM		
7	K528700	MULLION	ALUMINUM 6063-T5		
8	-	THERMAL MATERIAL	POLIETHYLENE		
9	80311040	STRAP	STEEL		









FRAME 1 6063-T5

SASH 2 6063-T5

GLAZING BEAD 3 6063-T5

MULLION 6063-T5

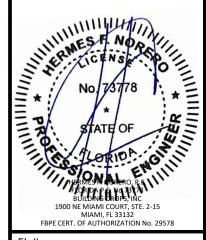


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BUILDING DROPS, INC.
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MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738 :: MB-86N SI DUAL TILT & TURN WINDOW (HVHZ) (IMPACT) COMPONENTS & BILL OF MATERIALS

REMARKS BY DATE

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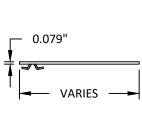
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STRAP 9 STEEL A36