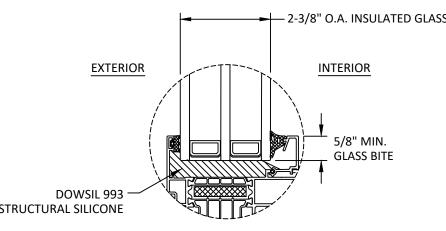
DRUTEX S.A.

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

GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
- 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 ±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 REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 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.



	2-3/8" O.A.	INSULATED GLAS
EXTERIOR	INTER	RIOR
DOWSIL 993 STRUCTURAL SILICONE		B" MIN. ASS BITE
GLA	ZING DETAIL 1	

GLAZING NOTES:

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

TABLE OF CONTENTS			
SHEET	SHEET DESCRIPTION		
1 GENERAL NOTES AND GLAZING DETAIL			
2 ELEVATION AND DESIGN PRESSURE TABLE			
3	ANCHOR LAYOUTS		
4	VERTICAL SECTION		
5	HORIZONTAL SECTION		
6	ANCHOR DETAILS AND INSTALLATION NOTES		

DESIGN PRESSURE RATING (PSF)				
CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
х	SEE TABLES ON SHEET 2		NON-IMPACT	

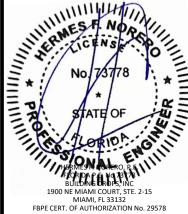


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TILT & TURN WINDOW (NON-HVHZ) (NON-IMPACT) GENERAL NOTES & GLAZING DETAIL

REMARKS BY DATE

ND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFI SITE, IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIA FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC



FL #:

FL46728

03.19.24 DATE: DWG. BY: CHK. BY:

FB NTS SCALE:

DRU049 DWG. #:

SHEET:

ELEVATION

MAX. FRAME WIDTH

SASH HEIGHT = FRAME HEIGHT - 3.00" SASH WIDTH = FRAME WIDTH - 3.00"

D.L.O. HEIGHT = FRAME HEIGHT - 8.9375" D.L.O. WIDTH = FRAME WIDTH - 8.9375"

DESIGN PRESSURE TABLE (PSF)			
NOMINA	AL DIMS.	POS. (+)	NEG. (-)
(IN.)	(IN.)		
18		70.0	70.0
24	36	70.0	70.0
30	30	70.0	70.0
36		70.0	70.0
18		70.0	70.0
24		70.0	70.0
30	42	70.0	70.0
36		70.0	70.0
42		70.0	70.0
18		70.0	70.0
24		70.0	70.0
30	48	70.0	70.0
36		70.0	70.0
42		70.0	70.0
48		70.0	70.0
18		70.0	70.0
24		70.0	70.0
30		70.0	70.0
36	54	70.0	70.0
42		70.0	70.0
48		70.0	70.0
54		68.9	68.9
18		70.0	70.0
24		70.0	70.0
30		70.0	70.0
36	60	70.0	70.0
42		70.0	70.0
48		70.0	70.0
54		68.9	68.9
18		70.0	70.0
24		70.0	70.0
30		70.0	70.0
36	66.9375	70.0	70.0
42		70.0	70.0
48		70.0	70.0
53.125		70.0	70.0

NOMINAL DIMS.		POS.	NEG.
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	(+)	(-)
18		70.0	70.0
24		70.0	70.0
30		70.0	70.0
36	72	70.0	70.0
42]	70.0	70.0
48]	70.0	70.0
18		70.0	70.0
24	1	70.0	70.0
30	78	70.0	70.0
36	1	70.0	70.0
42	1 1	70.0	70.0
18		70.0	70.0
24	1 1	70.0	70.0
30	84	70.0	70.0
36	ļ	70.0	70.0
42	1	70.0	70.0
18		70.0	70.0
24] 00	70.0	70.0
30	90	70.0	70.0
36		70.0	70.0
18		70.0	70.0
24]	70.0	70.0
30	96	70.0	70.0
36		70.0	70.0
18		70.0	70.0
24	102	70.0	70.0
30] [70.0	70.0
18	108	70.0	70.0
24		70.0	70.0
30		70.0	70.0
18	114	70.0	70.0
24		70.0	70.0
30] [70.0	70.0
18	120	70.0	70.0
24	120	70.0	70.0



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MB-86N SI TILT & TURN WINDOW (NON-HVHZ) (NON-IMPACT) ELEVATION & DESIGN PRESSURE TABLE PREPARED BY:

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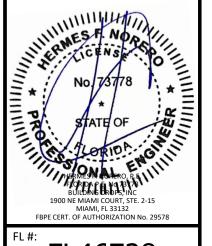
PH: (954)7399-8478

FAX: (954)744.4738

The first county of t

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.



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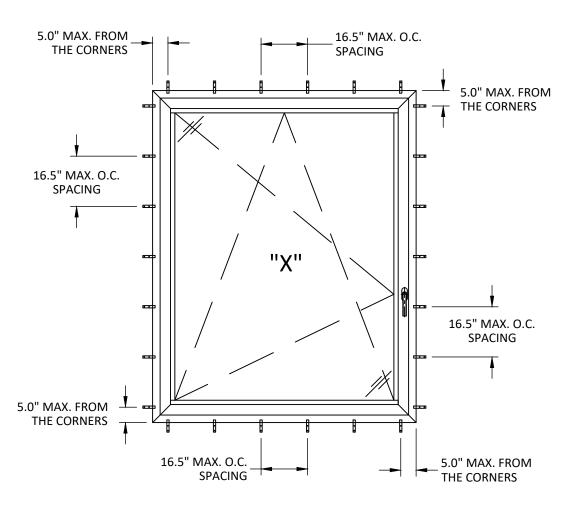
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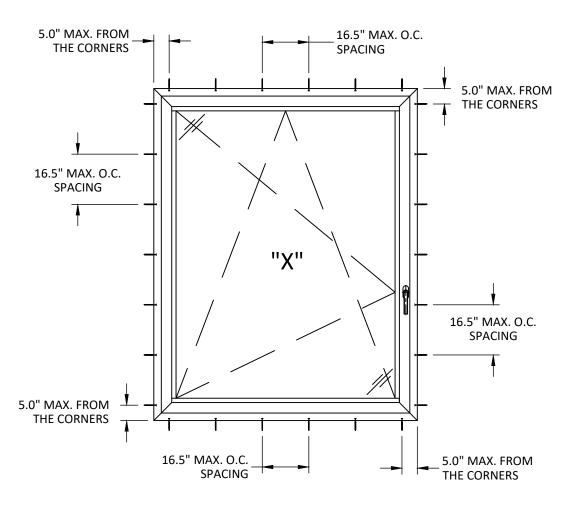
DWG. BY: CHK. BY:

NTS SCALE: **DRU049** DWG. #:

SHEET:

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





ANCHOR LAYOUT STRAP INSTALLATION

ANCHOR LAYOUT THROUGH FRAME INSTALLATION

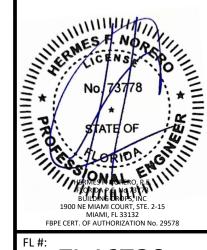


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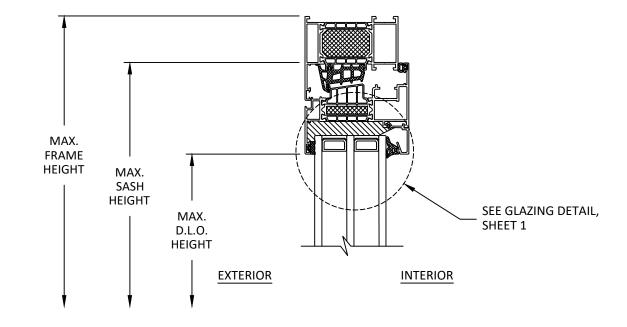
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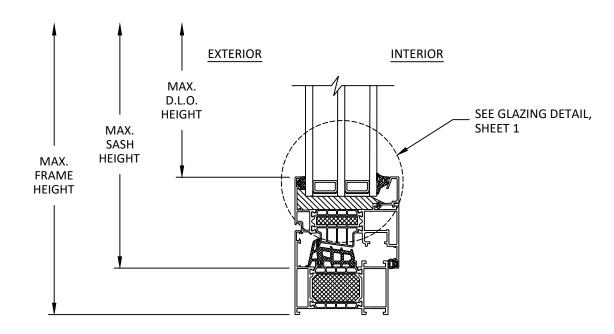
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NTS SCALE: **DRU049** DWG. #:

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VERTICAL SECTION



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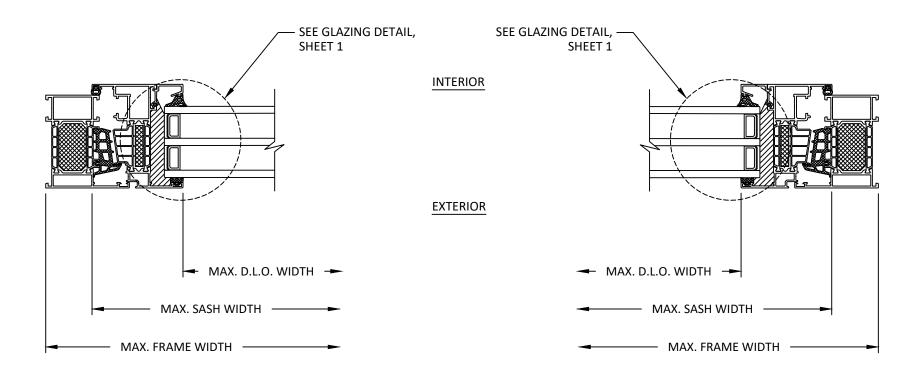
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CHK. BY: NTS SCALE:

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MB-86N SI TILT & TURN WINDOW (NON-HVHZ) (NON-IMPACT) HORIZONTAL SECTION PREPARED BY:

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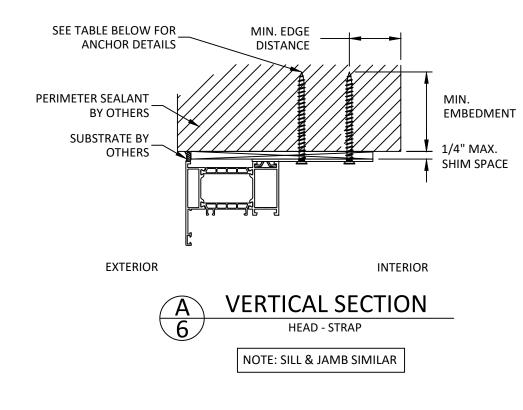
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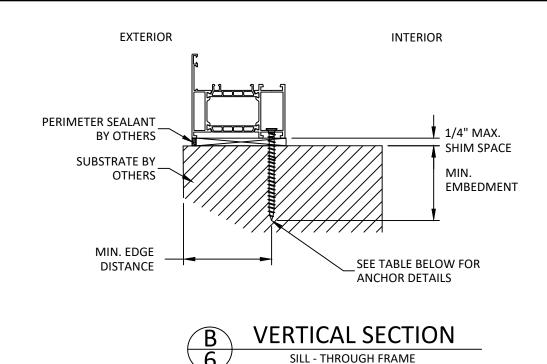
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DRU049 DWG. #:

SHEET:

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INSTALLATION NOTES:

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 3.
- 2. 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.
- 7. 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.

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

NOTE: HEAD & JAMB SIMILAR



REMARKS BY DATE

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AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFI
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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FL46728

DATE: 03.19.24

DWG. BY: CHK. BY: HFN

SCALE: NTS
DWG. #: DRU049

SHEET:

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