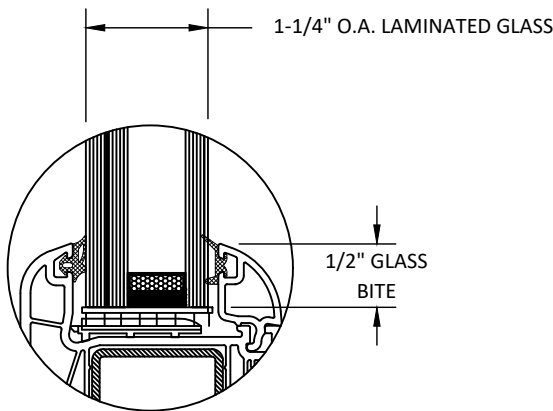


NK SOLUTION, LLC

X70 uPVC SERIES SINGLE & DUAL 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
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 ±1/2 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.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. WINDOW FRAME MATERIAL: uPVC
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.



GLAZING DETAIL

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.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36\"/>
4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.

TABLE OF CONTENTS	
SHEET	DESCRIPTION
1	GENERAL NOTES & GLAZING DETAIL
2	ELEVATION & DESIGN PRESSURE TABLES
3	ELEVATION & DESIGN PRESSURE TABLES
4	ANCHOR LAYOUT
5	VERTICAL SECTION
6	HORIZONTAL SECTION
7	ANCHOR DETAIL & INSTALLATION NOTES

DESIGN PRESSURE RATING				
UNIT TYPE	FRAME SIZE	CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
TILT & TURN WINDOW	72" X 72"	xx	+70/-70 PSF	NON-IMPACT
	36" X 72"	x		



NK SOLUTION, LLC
25 DRENNEN RD, SUITE 2
ORLANDO, FL 32806
PH: 407-692-1194

TITLE: X70 uPVC SERIES SINGLE & DUAL TILT & TURN WINDOW (NON-HVHZ)(NON-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

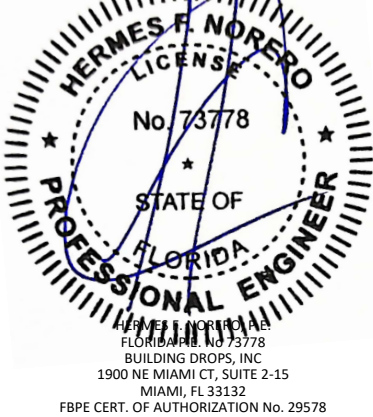
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.03.20 16:11:29 -04'00'



FL #: FL46771

DATE: 03.20.26

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CHK. BY: HFN

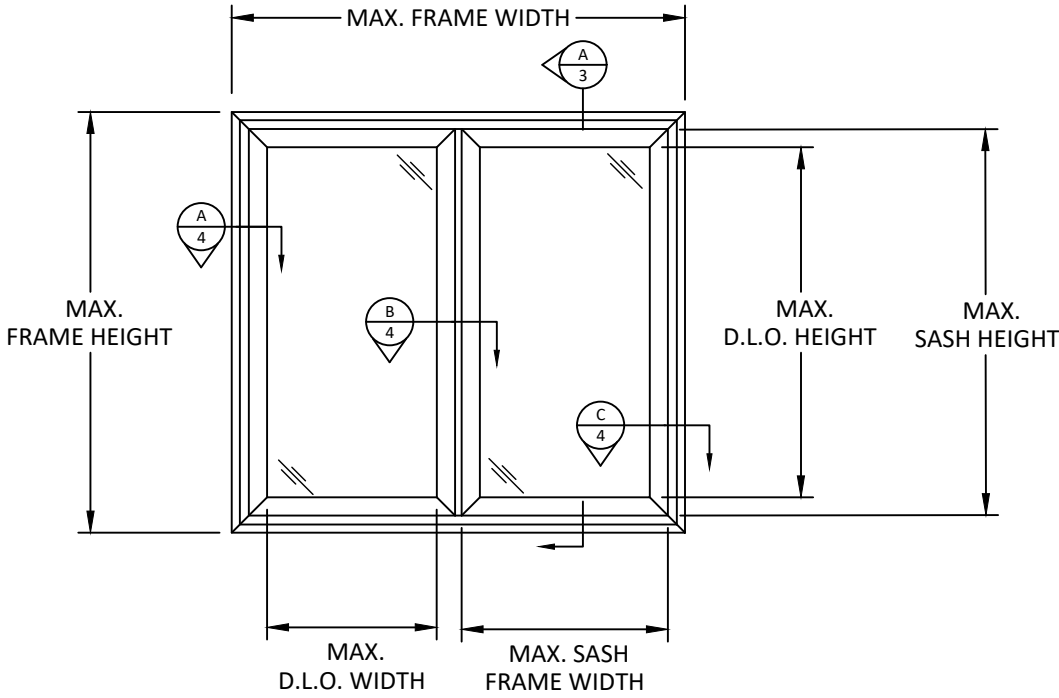
SCALE: NTS

DWG. #: NKS007

SHEET:

1

OF 7



D.L.O. HEIGHT = FRAME HEIGHT - 9.125"
D.L.O. WIDTH = FRAME WIDTH/2 - 8.0625"
SASH HEIGHT = FRAME HEIGHT - 2.6875"
SASH WIDTH = FRAME WIDTH/2 - 1.5625"

ELEVATION
Dual Tilt & Turn

DESIGN PRESSURE TABLE (+/- PSF)											
FRAME LENGTH (IN.)	FRAME WIDTH (IN.)										
	36	42	48	54	60	66	72	78	84	90	96
36	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	64.62
42	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	68.57	62.61	54.74
48	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	63.00	56.73	47.12
54	70.00	70.00	70.00	70.00	70.00	70.00	70.00	65.88	58.95	49.72	41.28
60	70.00	70.00	70.00	70.00	70.00	70.00	70.00	63.00	53.98	-	-
66	70.00	70.00	70.00	70.00	70.00	70.00	70.00	60.42	-	-	-
72	70.00	70.00	70.00	70.00	70.00	70.00	70.00	-	-	-	-
78	70.00	70.00	70.00	70.00	70.00	70.00	-	-	-	-	-
84	70.00	70.00	70.00	70.00	70.00	-	-	-	-	-	-
90	70.00	70.00	70.00	70.00	-	-	-	-	-	-	-
96	70.00	70.00	70.00	70.00	-	-	-	-	-	-	-
102	70.00	70.00	70.00	-	-	-	-	-	-	-	-
108	70.00	70.00	70.00	-	-	-	-	-	-	-	-
114	70.00	70.00	-	-	-	-	-	-	-	-	-
120	70.00	70.00	-	-	-	-	-	-	-	-	-



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ELEVATION & DESIGN PRESSURE TABLES

PREPARED BY:

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MIAMI, FL 33132

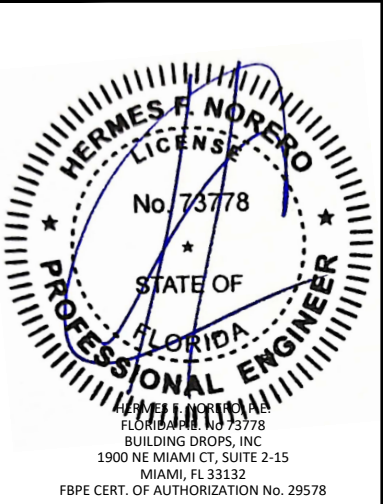
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SCALE: **NTS**

DWG. #: **NKS007**

SHEET: **2** OF **7**



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TITLE: X70 uPVC SERIES SINGLE &
DUAL TILT & TURN WINDOW
(NON-HVHZ)/(NON-IMPACT)

ELEVATION & DESIGN
PRESSURE TABLES

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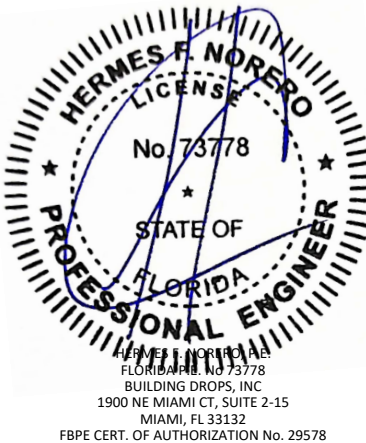
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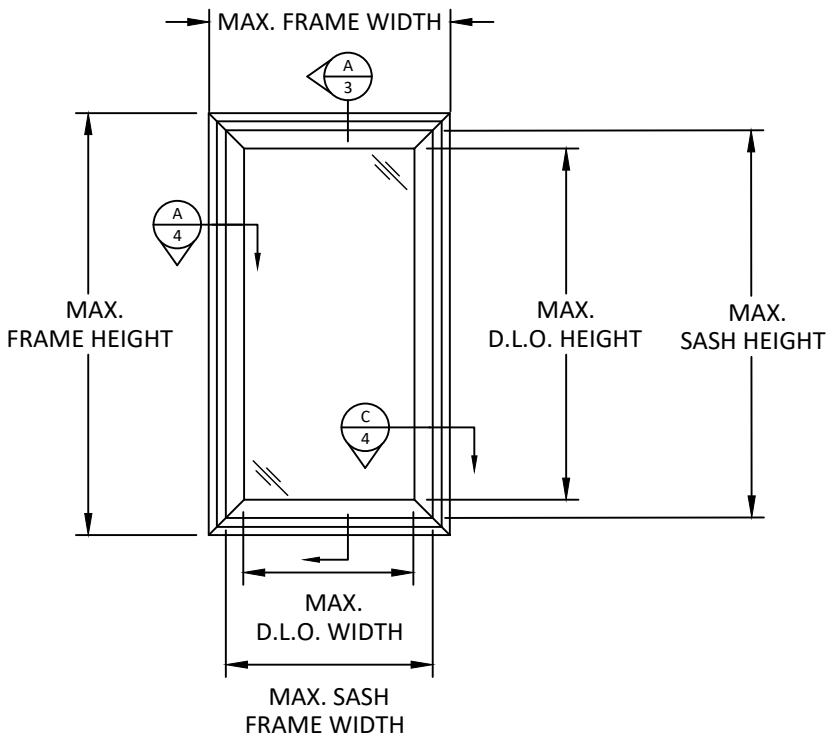
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SHEET:

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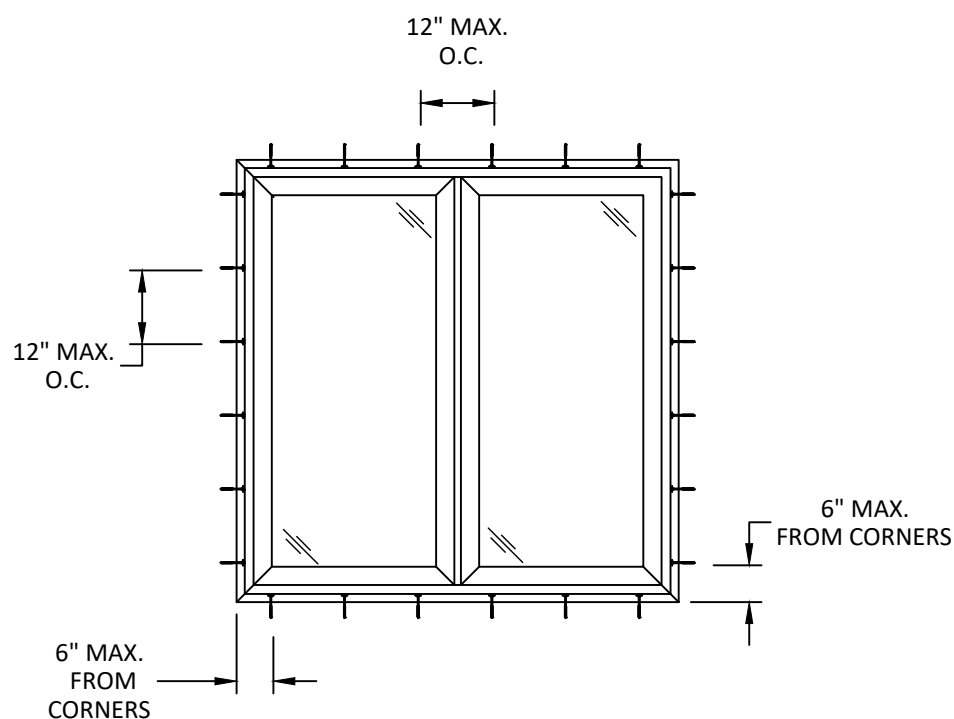
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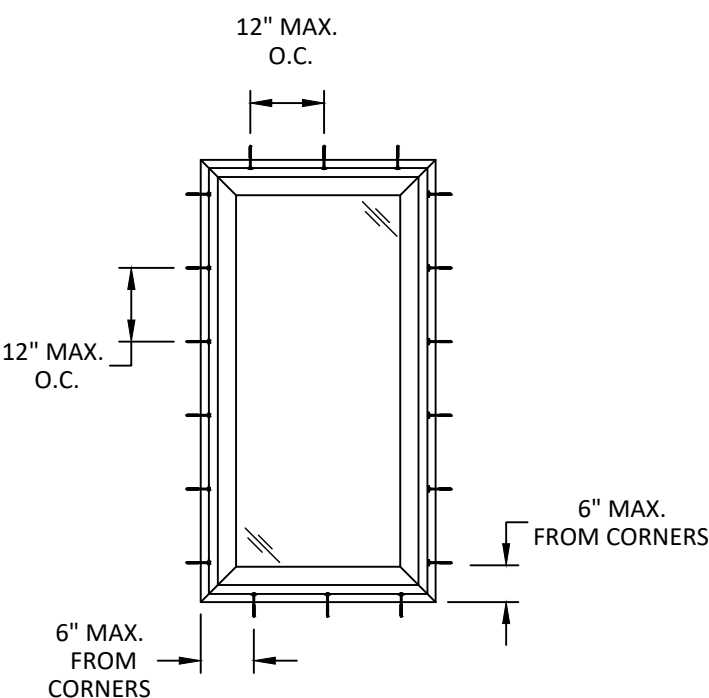
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ELEVATION
Tilt & Turn

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54	70.00	70.00	70.00	-	-	-	-
60	70.00	70.00	-	-	-	-	-
66	70.00	-	-	-	-	-	-
72	70.00	-	-	-	-	-	-



ANCHOR LAYOUT
DUAL TILT & TURN
STRAP / THROUGH FRAME



ANCHOR LAYOUT
TILT & TURN
STRAP / THROUGH FRAME



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ANCHOR LAYOUT

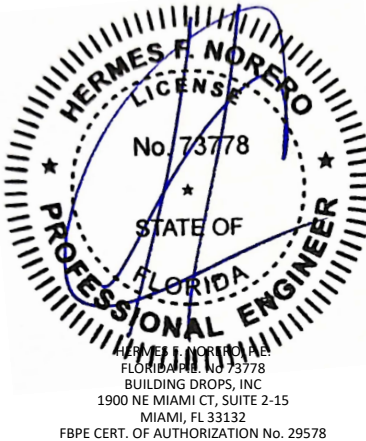
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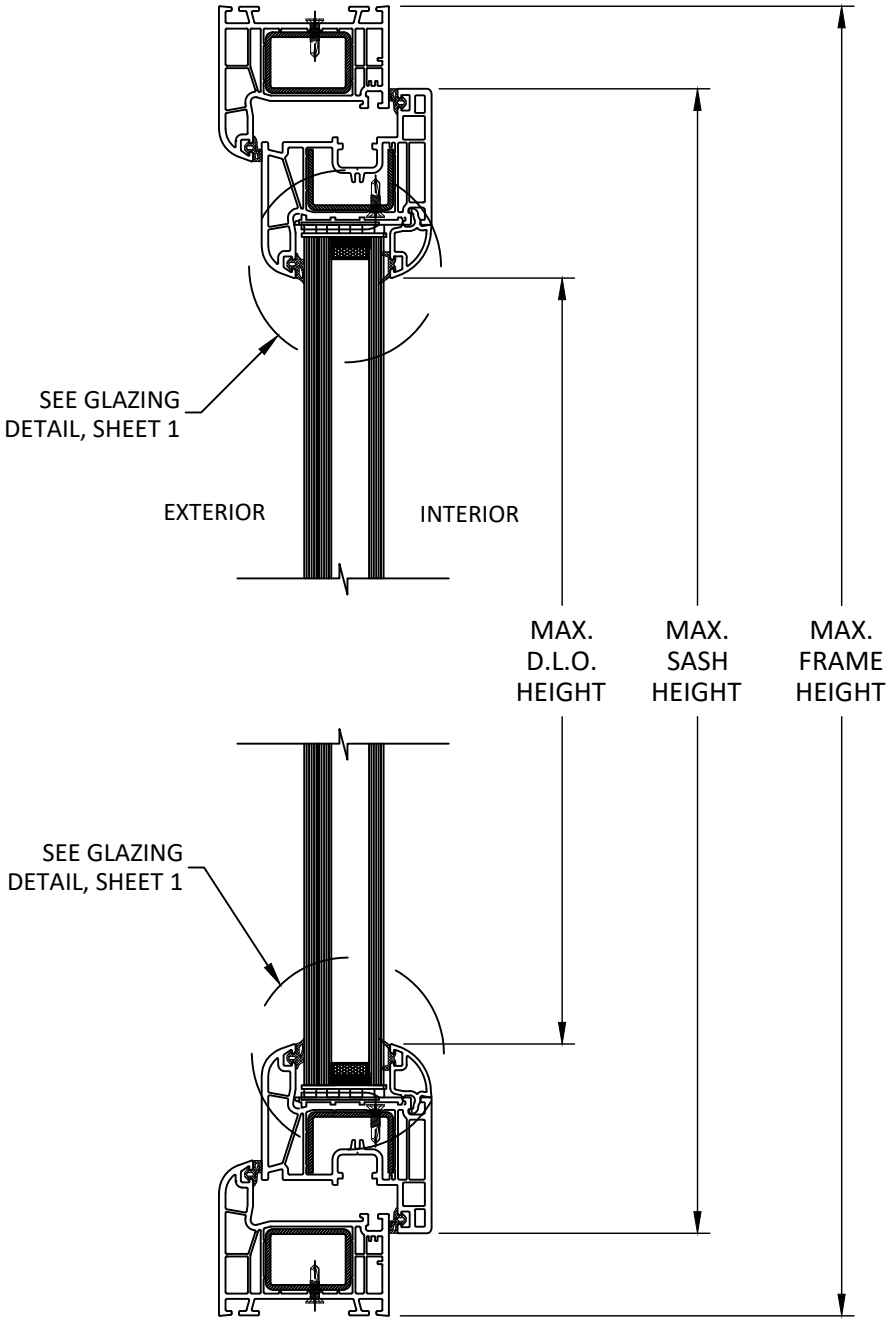
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DWG. #: **NKS007**

SHEET:

4

OF 7



A
3

VERTICAL SECTION
TILT & TURN



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(NON-HVHZ)/(NON-IMPACT)

VERTICAL SECTION

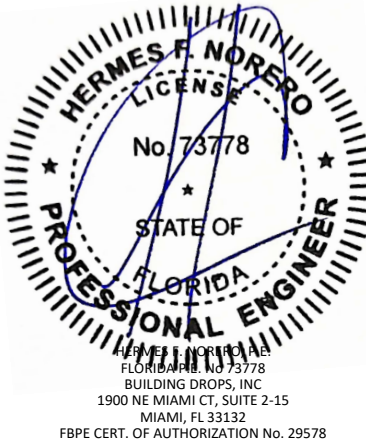
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SHEET:

5

OF 7



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HORIZONTAL SECTION

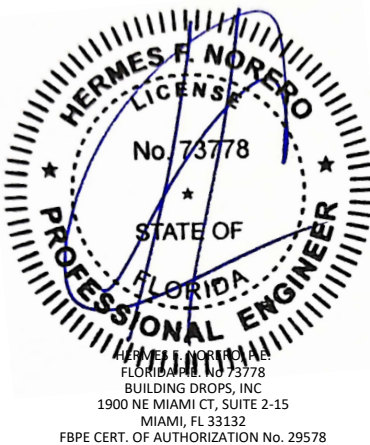
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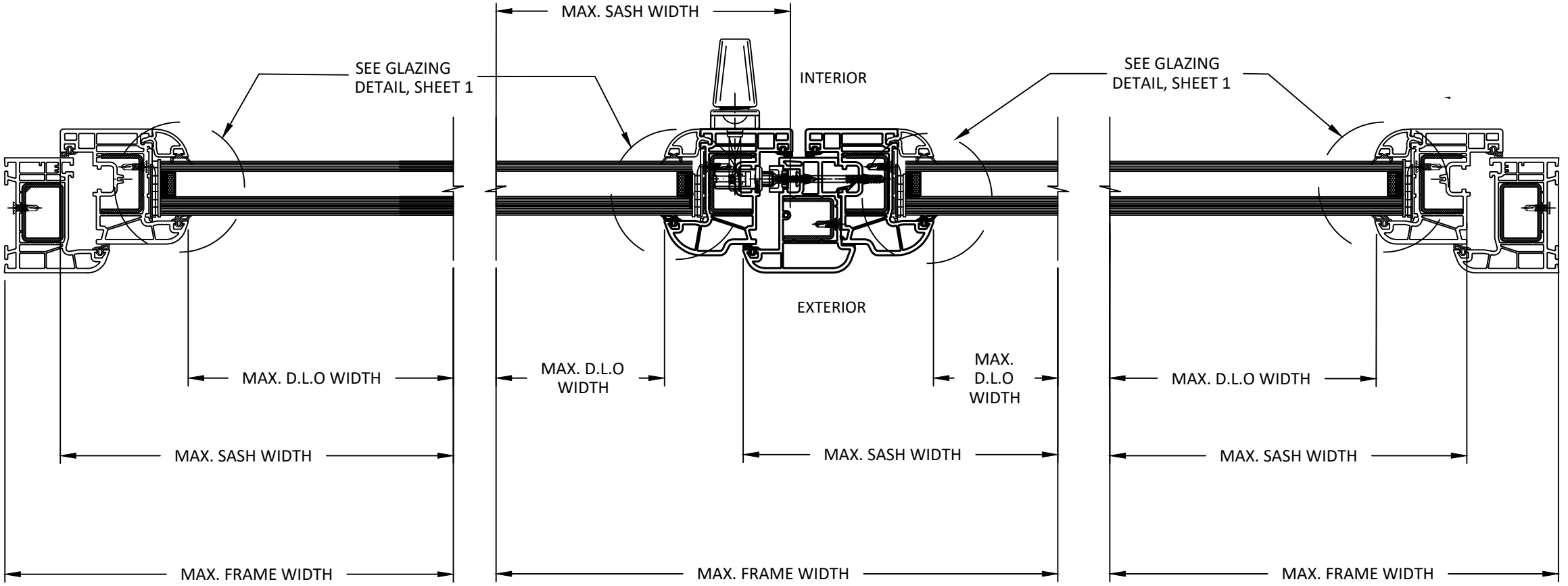


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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	NKS007
SHEET:	6



A
4 HORIZONTAL SECTION
TILT & TURN

B
4 HORIZONTAL SECTION
TILT & TURN

C
4 HORIZONTAL SECTION
TILT & TURN



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TITLE: X70 uPVC SERIES SINGLE & DUAL TILT & TURN WINDOW (NON-HVHZ)/(NON-IMPACT)

ANCHOR DETAIL & INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

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MIAMI, FL 33132

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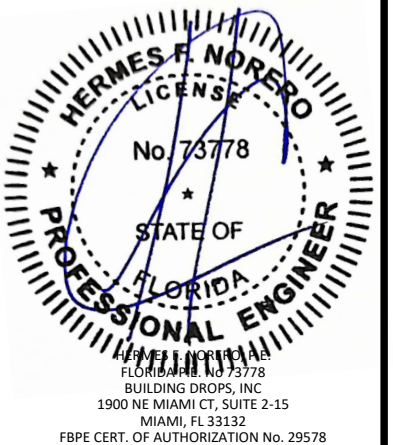
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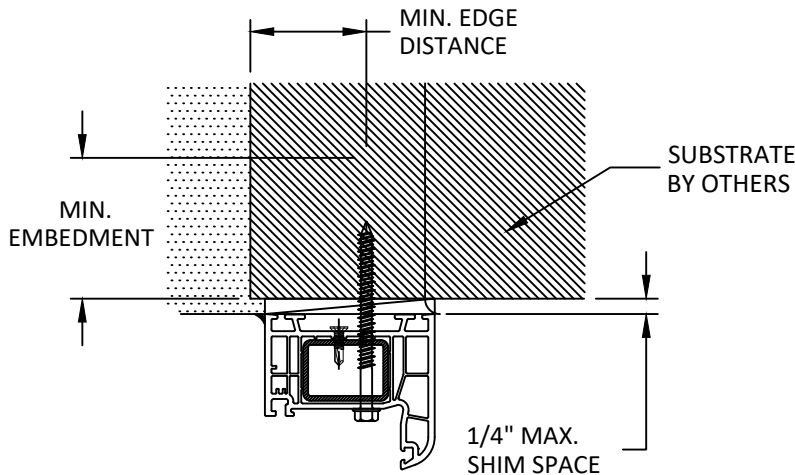
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DWG. BY: LS	CHK. BY: HFN
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SCALE: **NTS**

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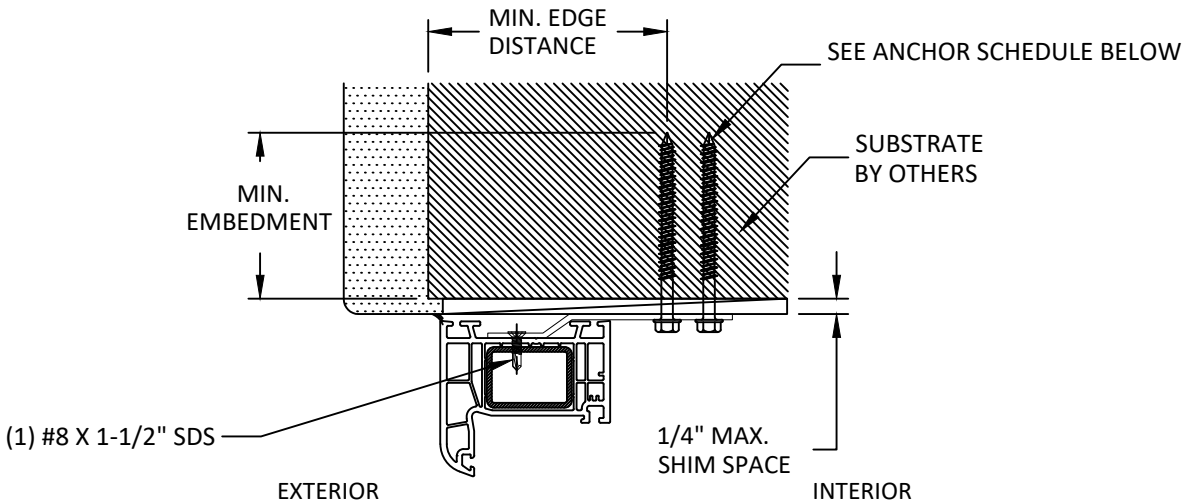
SHEET:



A
5

ANCHOR DETAIL

HEAD
THROUGH FRAME INSTALLATION



A
5

ANCHOR DETAIL

HEAD
STRAP INSTALLATION

NOTE: HEAD SHOWN.
SILL & JAMB SIMILAR.

INSTALLATION NOTES:

- TWO (2) INSTALLATION FOR STRAP ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- ONE (1) INSTALLATION FOR THROUGH FRAME ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ 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.
- 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.
- 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 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.
- 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 SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE	MIN. SPACING
STRAP / TROUGH FRAME	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.50"	0.75"	-
	METAL: MIN. 18 GA. STEEL, MIN. Fy = 33KSI MIN. 1/8" ALUMINUM, MIN. 6063-T5	1/4 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	-
	CONCRETE: MIN. F'C = 3000 PSI	1/4" ITW TAPCON	1.00"	2.50"	2.00"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI			3.25"	2.50"