

ARTISTIC DOORS & WINDOWS, INC.

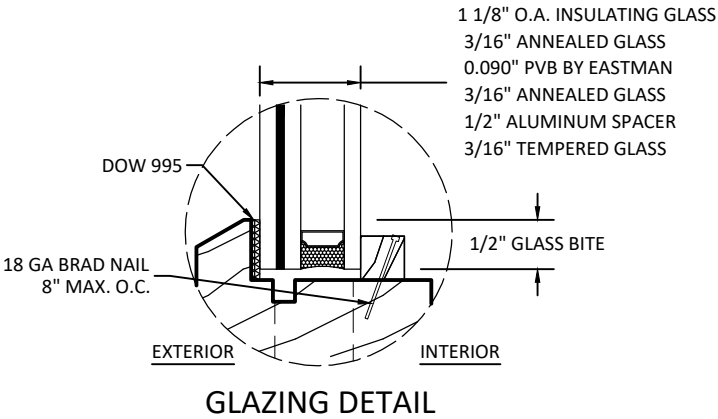
2000 OUTSWING WOOD CASEMENT WINDOW (HVHZ) (IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) INCLUDING HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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. FOR NON-HVHZ AREA, INSTALLATION TO BE REVIEWED BY AHJ (AUTHORITY HAVING JURISDICTION).
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: MAHOGANY
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

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DESIGN PRESSURE RATING		
DESIGN PRESSURE	MAX. FRAME SIZE	CONFIGURATION
+/- 75 PSF	38 3/4" X 92 5/8"	X
+/- 70 PSF	74 1/4" X 92 5/8"	XX



GLAZING NOTES:

- GLASS TYPE & THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING 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 IN DESIGN PRESSURE TABLES AND ELEVATIONS.



ARTISTIC DOORS & WINDOWS
10 SOUTH INMAN AVENUE
AVENEL, NEW JERSEY 07001
PH: (732) 726-9400

TITLE:
2000 OUTSWING WOOD
CASEMENT WINDOW
(HVHZ) (IMPACT)
GENERAL NOTES, DESIGN PRESSURE
TABLE & GLAZING DETAILS

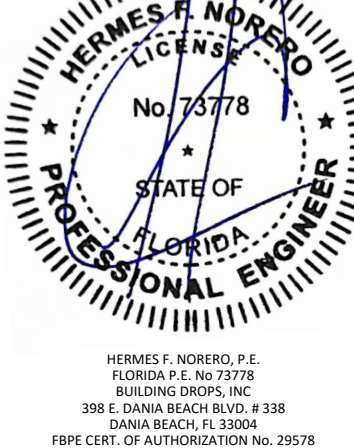
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.06.19 21:56:04 -0400



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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL42123

DATE:
04.05.23

DWG. BY:
MG

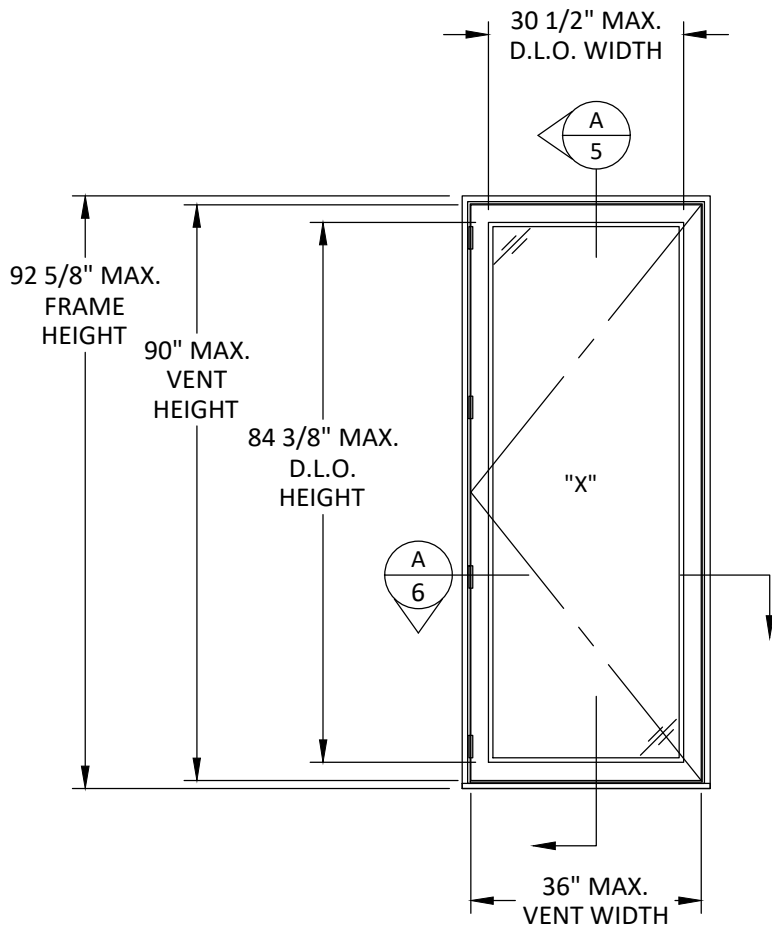
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HFN

SCALE:
NTS

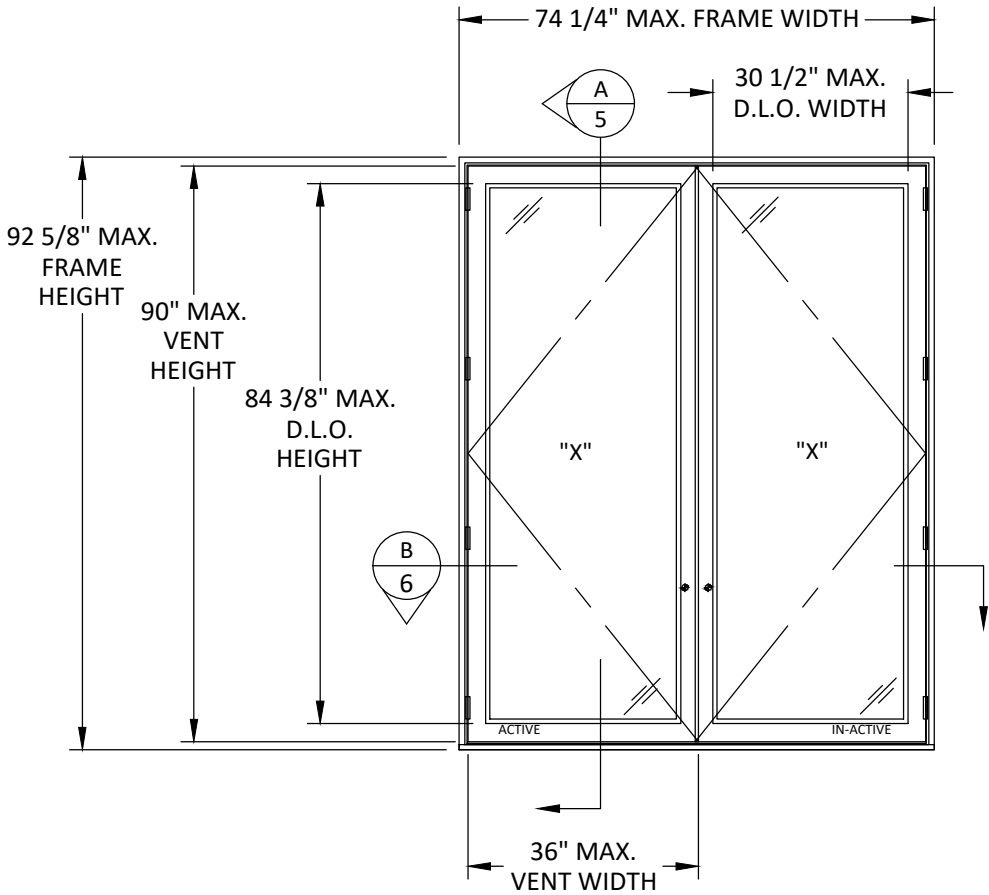
DWG. #:
ADW003

SHEET:
1

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ELEVATION
X CONFIGURATION



ELEVATION
XX CONFIGURATION



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ELEVATION

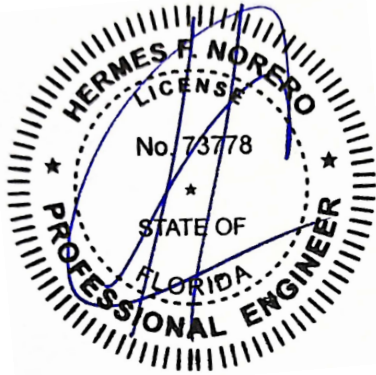
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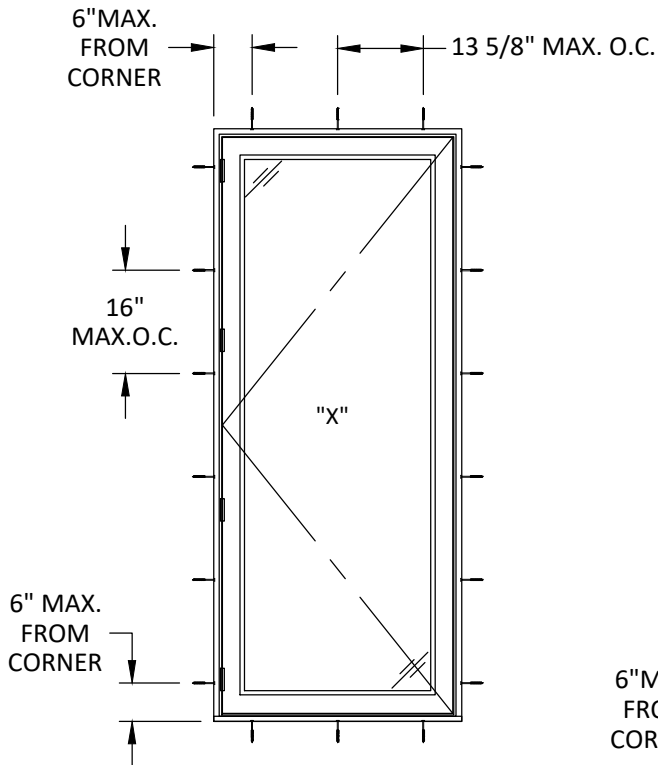
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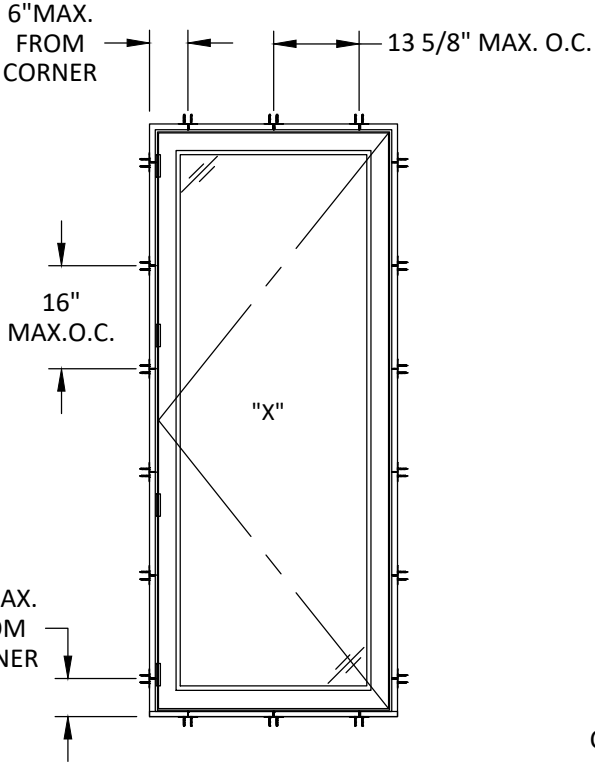


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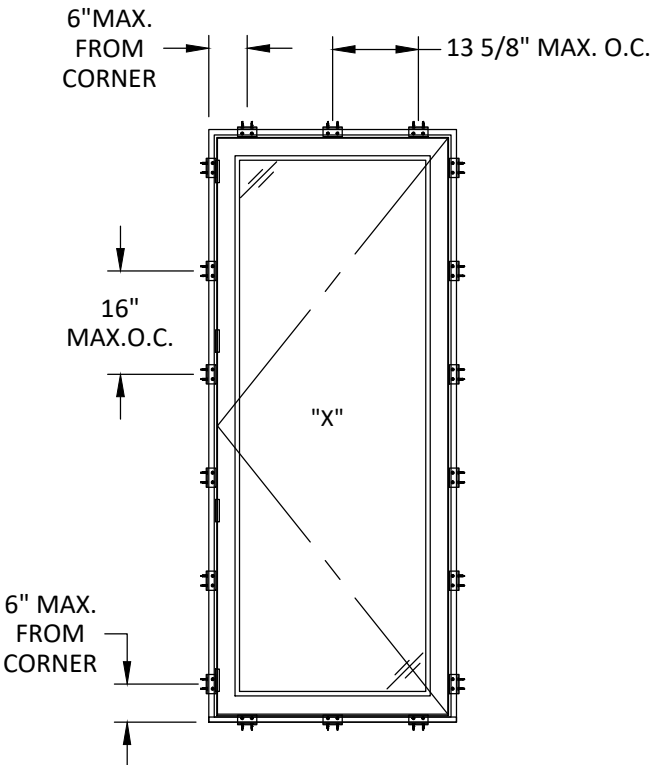
- NOTE:
1. TWO (2) INSTALLATION ANCHORS PER STRAP AND ANGLE LOCATION.
 2. FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES) SEE SHEET 7 AND 8.



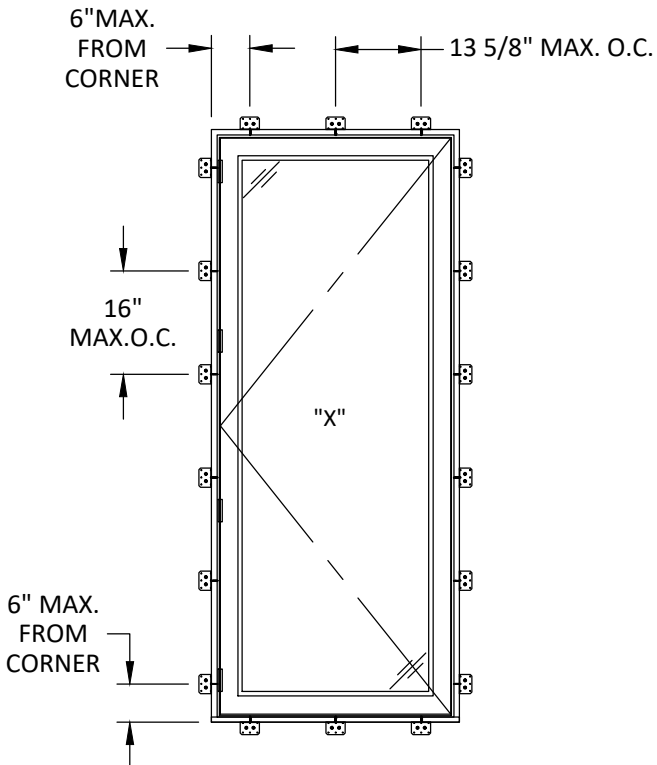
ANCHOR LAYOUT
THROUGH FRAME
INSTALLATION



ANCHOR LAYOUT
HTP37Z STRAP
INSTALLATION



ANCHOR LAYOUT
ALUMINUM ANGLE
INSTALLATION



ANCHOR LAYOUT
BENT HTP37Z STRAP
INSTALLATION

- NOTE:
- THROUGH FRAME
 - ⌘ ALUMINUM ANGLE
 - ⌘ HTP37Z STRAP
 - ⌘ BENT HTP37Z STRAP

TITLE: 2000 OUTSWING WOOD CASEMENT WINDOW (HVHZ) (IMPACT) ANCHOR LAYOUT

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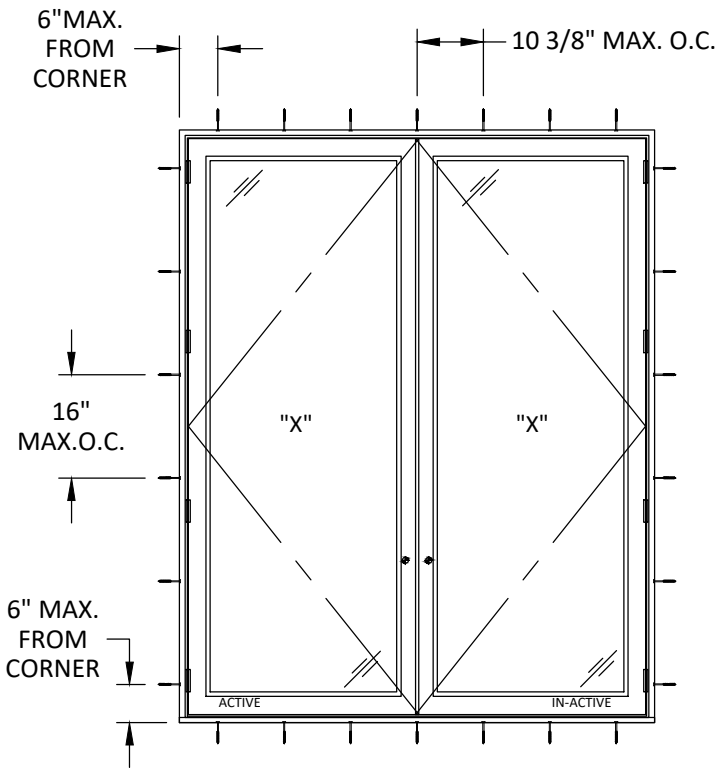
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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

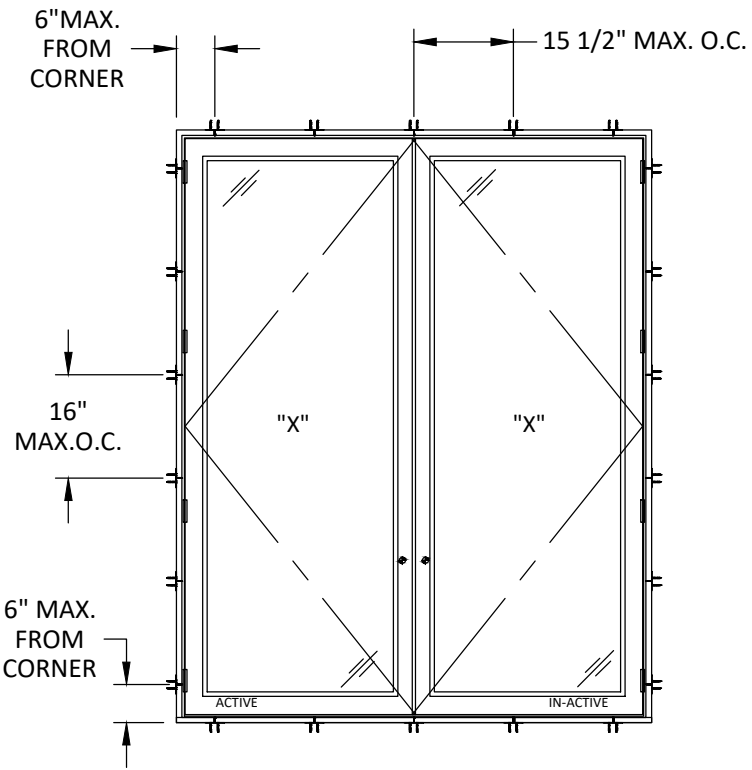
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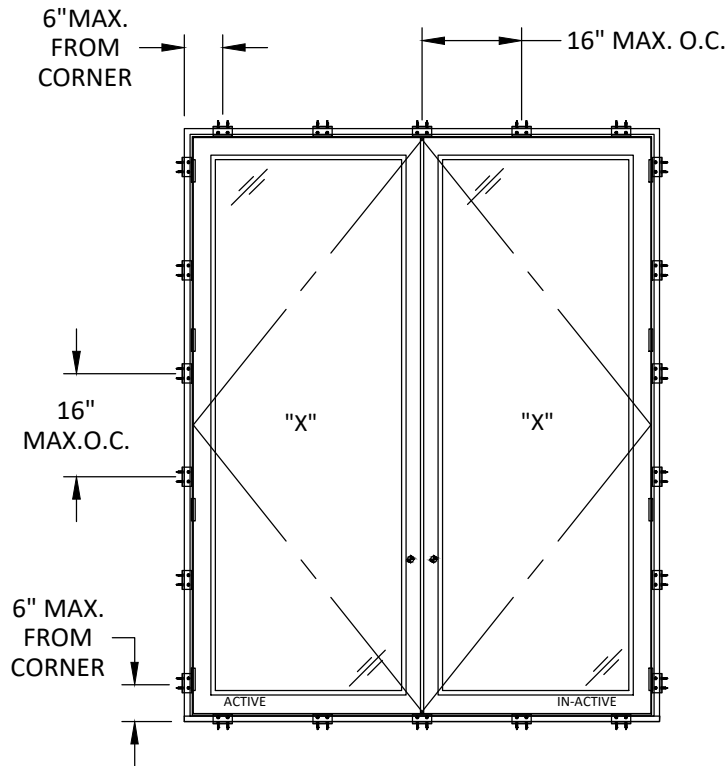


ANCHOR LAYOUT
THROUGH FRAME
INSTALLATION

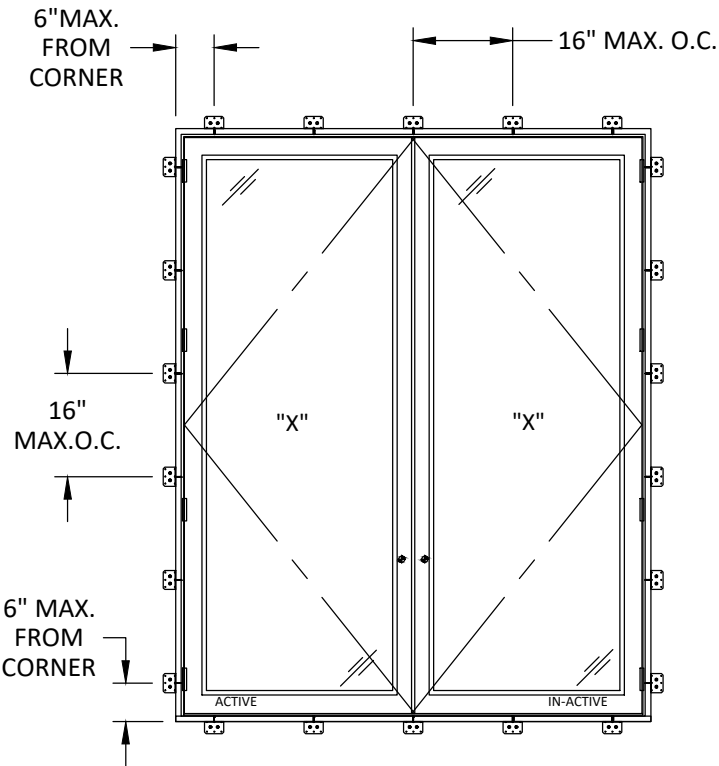


ANCHOR LAYOUT
HTP37Z STRAP
INSTALLATION

NOTE:
1. TWO (2) INSTALLATION ANCHORS PER STRAP AND ANGLE LOCATION.
2. FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES) SEE SHEET 7 AND 8.



ANCHOR LAYOUT
ALUMINUM ANGLE
INSTALLATION



ANCHOR LAYOUT
BENT HTP37Z STRAP
INSTALLATION

NOTE:
— THROUGH FRAME
⌘ ALUMINUM ANGLE
⌘ HTP37Z STRAP
⌘ BENT HTP37Z STRAP



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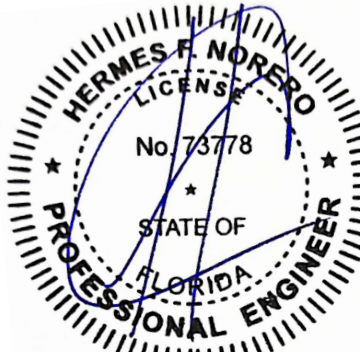
TITLE: 2000 OUTSWING WOOD
CASEMENT WINDOW
(HVHZ) (IMPACT)
ANCHOR LAYOUT

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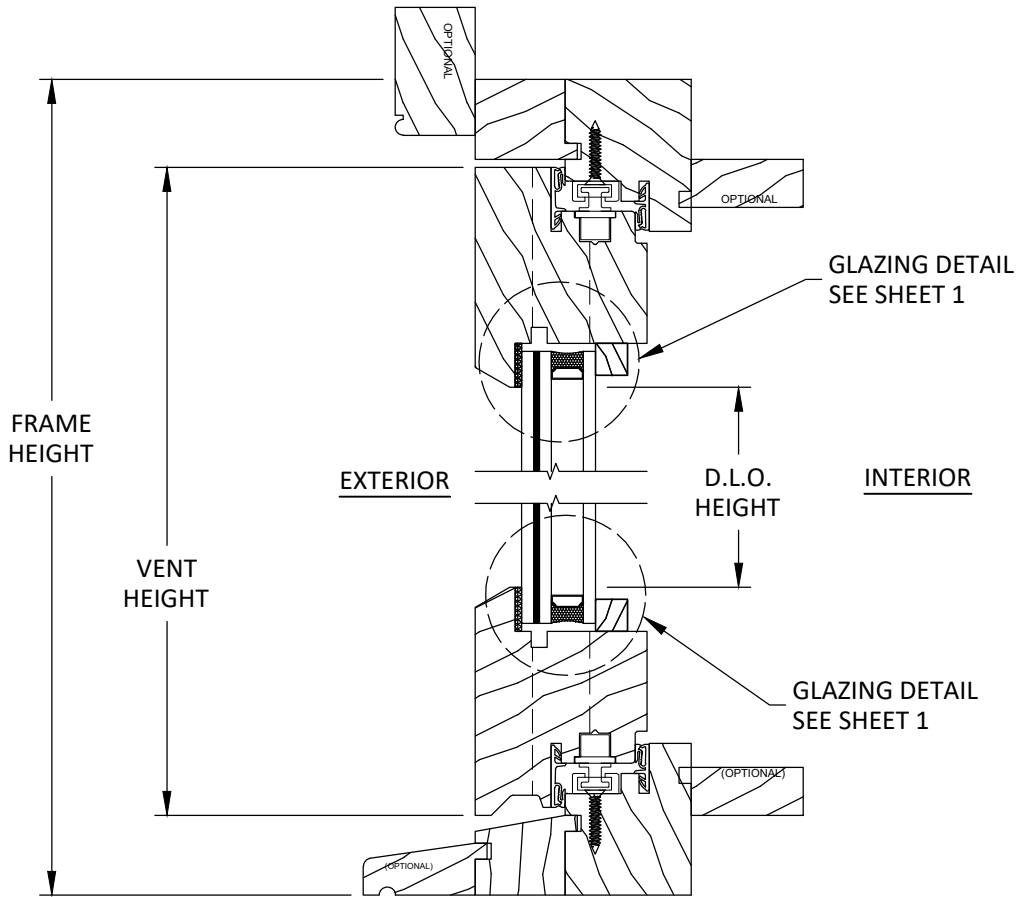
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SCALE:	NTS
DWG. #:	ADW003
SHEET:	4

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A
5

VERTICAL SECTION



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TITLE: 2000 OUTSWING WOOD
CASEMENT WINDOW
(HVHZ) (IMPACT)
VERTICAL SECTIONS

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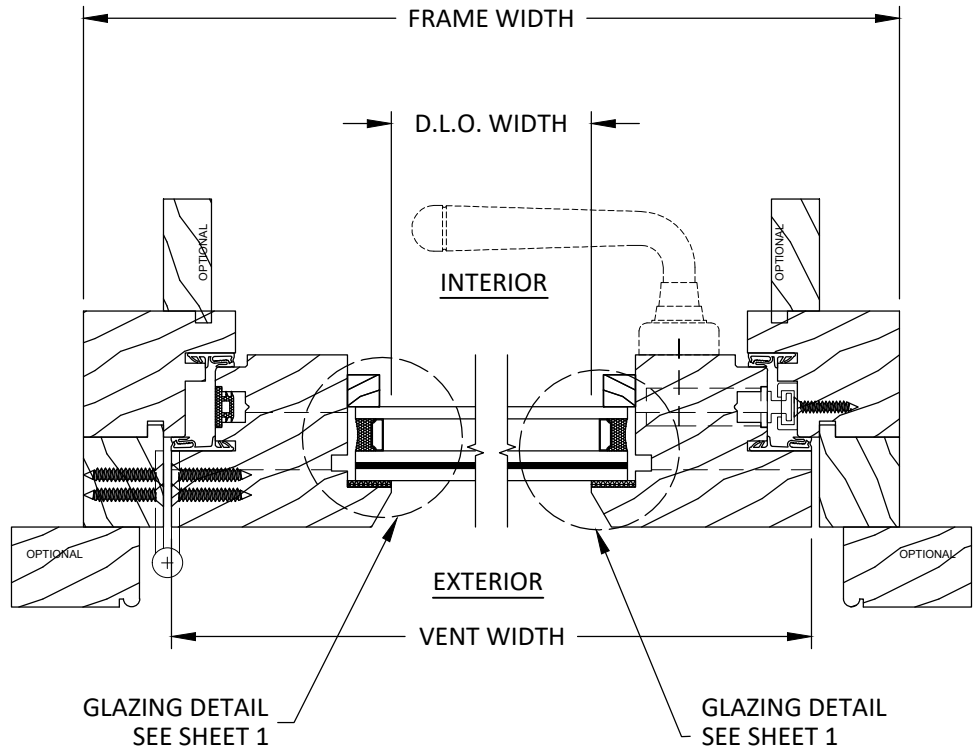
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SCALE: **NTS**

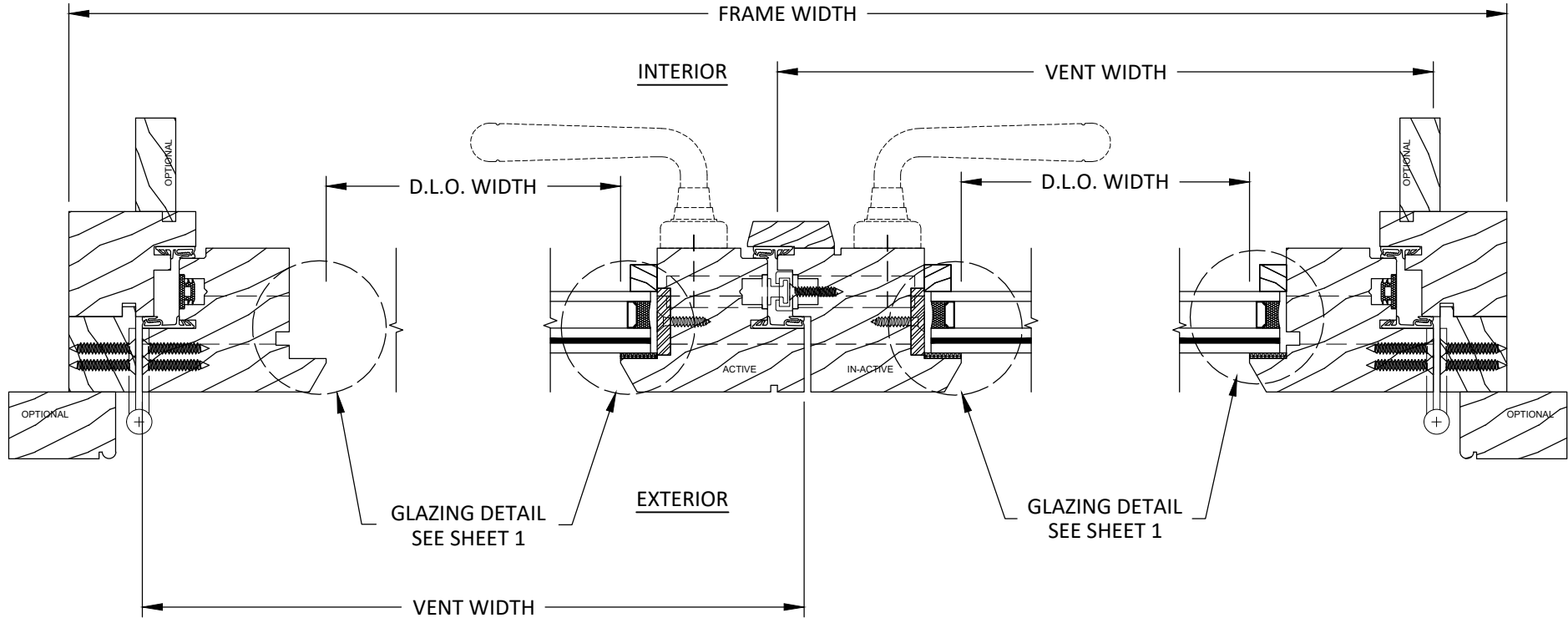
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A HORIZONTAL SECTION
6 X CONFIGURATION



B HORIZONTAL SECTION
6 XX CONFIGURATION



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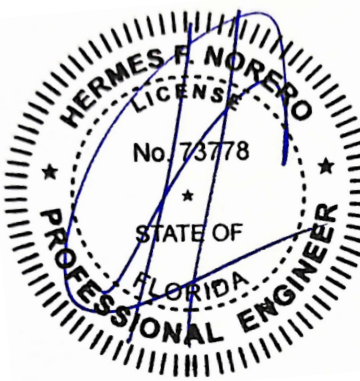
TITLE: 2000 OUTSWING WOOD
CASEMENT WINDOW
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS

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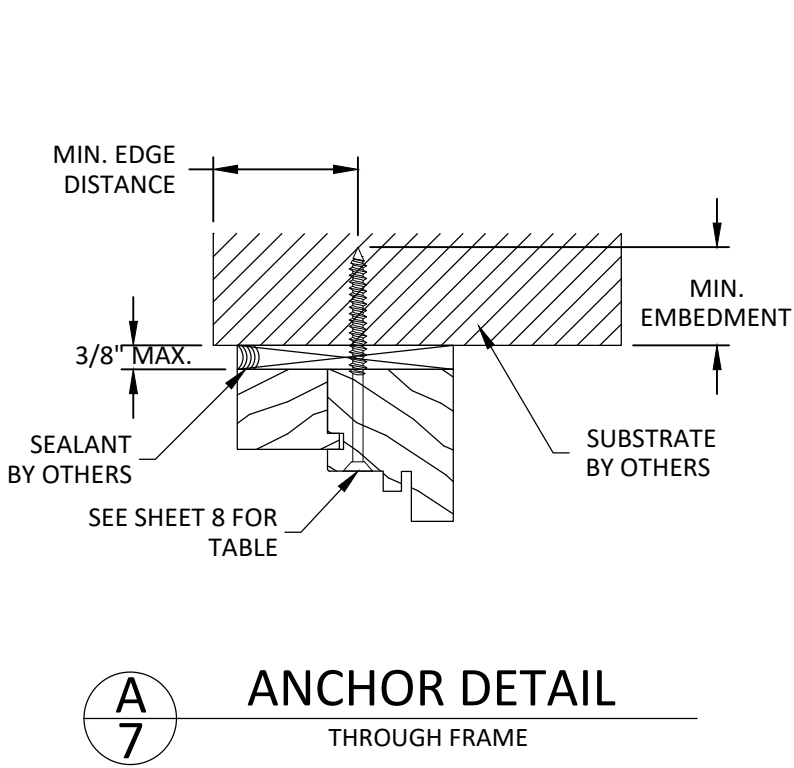
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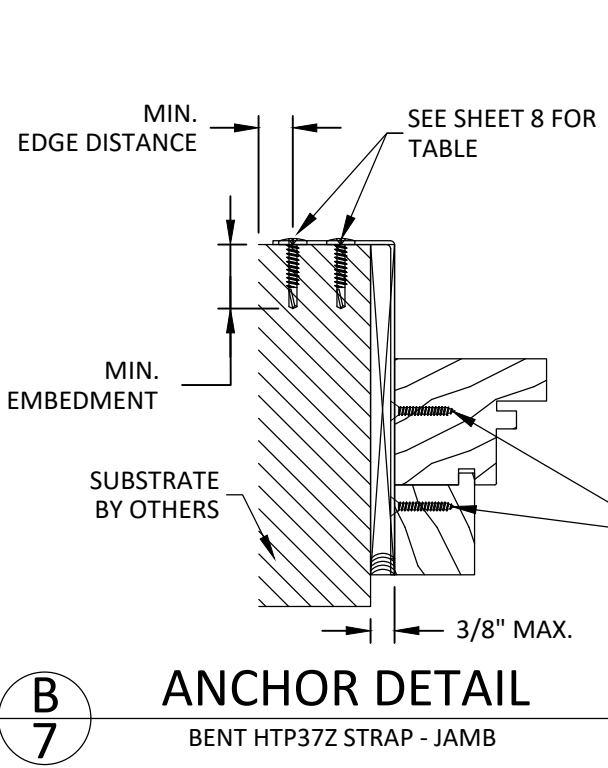
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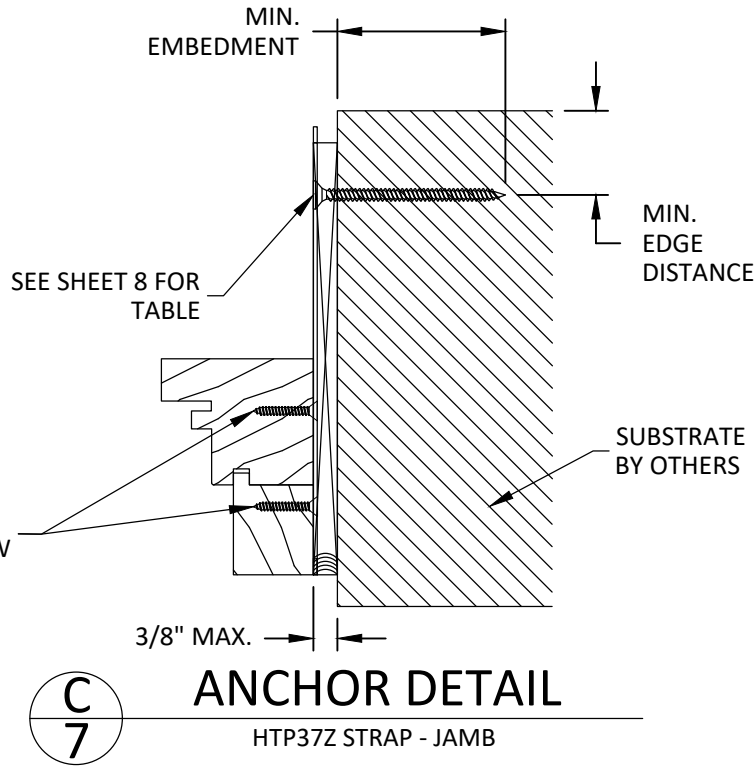
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NOTE: SAME AT JAMB AND SILL



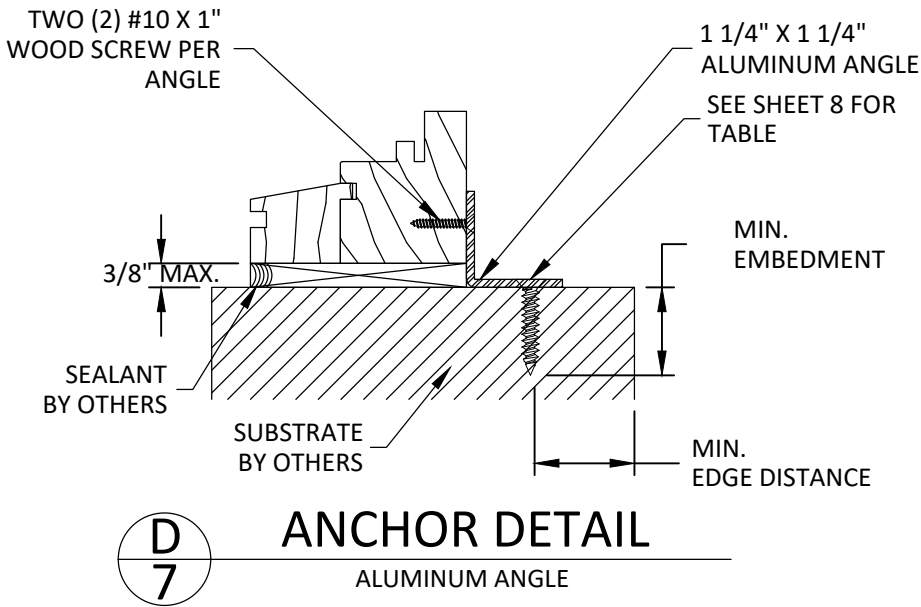
NOTE: SAME AT HEAD AND SILL



NOTE: SAME AT HEAD AND SILL

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ABOVE, UNLESS OTHERWISE STATED ON SHEET 3 AND 4.
- ONE (1) INSTALLATION STRAP IS REQUIRED AT EACH LOCATION SHOWN ON SHEET 3 AND 4.
- 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 3/8 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.



NOTE: SAME AT HEAD AND JAMB



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INSTALLATION DETAILS AND NOTES

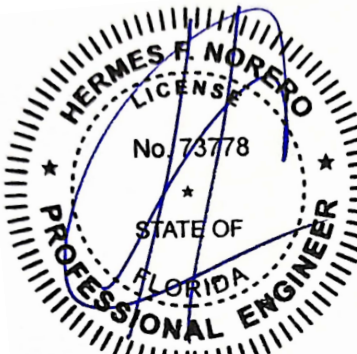
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SCALE: NTS

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SHEET:

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ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. S.G. = 0.55	#14 WOOD SCREW	1.5"	1"
	CONCRETE (MIN. f'c = 3000 PSI) OR CMU (PER ASTM C90)	1/4" ITW TAPCON	1.25"	1.75"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	#14 SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1"
BENT HTP37Z STRAP (HEAD)	WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW	1.25"	0.5"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	#10 SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
BENT HTP37Z STRAP (JAMB/SILL)	WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW	0.5"	0.5"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	#10 SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
HTP37Z STRAP	WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW	1.25"	0.5"
	CONCRETE (MIN. f'c = 3000 PSI) OR CMU (PER ASTM C90)	3/16" ITW TAPCON	1.25"	1.75"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	#10 SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
ALUMINUM ANGLE	WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW	1.25"	0.5"
	CONCRETE (MIN. f'c = 3000 PSI) OR CMU (PER ASTM C90)	3/16" ITW TAPCON	1.25"	1.75"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	#10 SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.5"



ARTISTIC DOORS & WINDOWS
10 SOUTH INMAN AVENUE
AVENEL, NEW JERSEY 07001
PH: (732) 726-9400

TITLE:
2000 OUTSWING WOOD
CASEMENT WINDOW
(HVHZ) (IMPACT)
ANCHOR SCHEDULE

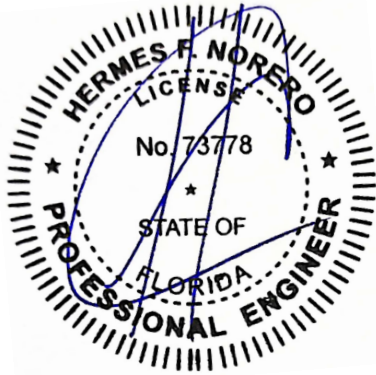
PREPARED BY:

BUILDING DROPS

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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.



HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL42123**

DATE: **04.05.23**

DWG. BY: **MG** CHK. BY: **HFN**

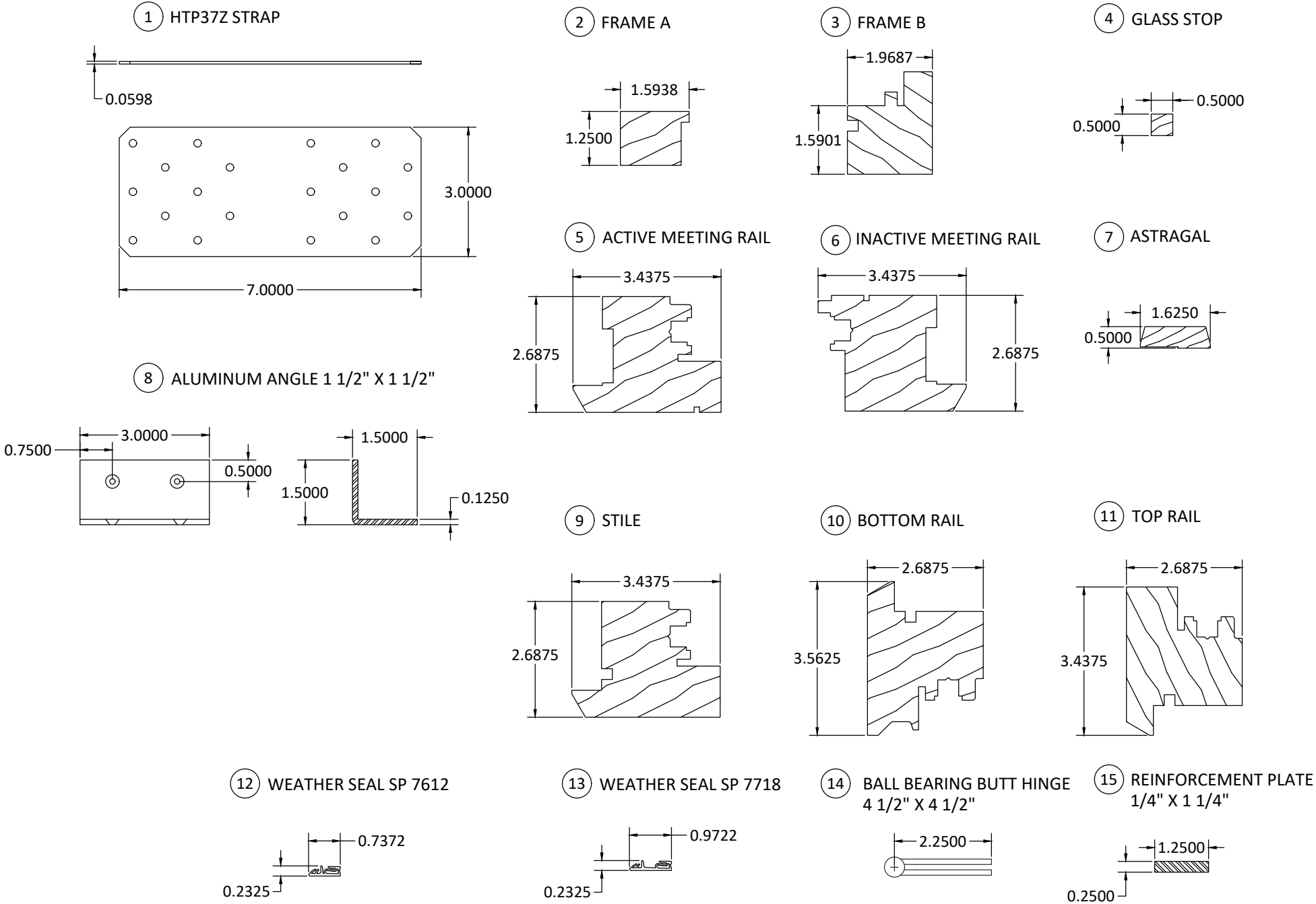
SCALE: **NTS**

DWG. #: **ADW003**

SHEET:

8

z:\projects\artistic windows and doors\fbcs\fbcs conversion\dwgs\2 casement window\adv003.dwg 6/9/2023 3:12 PM



BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	16 GA HTP37Z STRAP	GALVANIZED STEEL
2	FRAME A	MAHOGANY
3	FRAME B	MAHOGANY
4	GLASS STOP	MAHOGANY
5	ACTIVE MEETING RAIL	MAHOGANY
6	INACTIVE MEETING RAIL	MAHOGANY
7	ASTRAGAL	MAHOGANY
8	ALUMINUM ANGLE 1 1/2" X 1 1/2"	6063-T5 ALUMINUM
9	STILE	MAHOGANY
10	BOTTOM RAIL	MAHOGANY
11	TOP RAIL	MAHOGANY
12	WEATHER SEAL SP 7612	TPS
13	WEATHER SEAL SP 7718	TPE
14	BALL BEARING BUTT HINGE 4 1/2" X 4 1/2"	BRASS
15	REINFORCEMENT STEEL PLATE 1/4" X 1 1/4"	STEEL



ARTISTIC DOORS & WINDOWS
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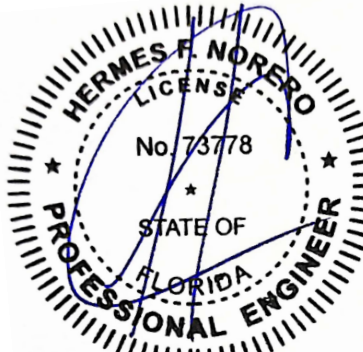
TITLE: 2000 OUTSWING WOOD
CASEMENT WINDOW
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BILL OF MATERIALS

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SCALE: **NTS**

DWG. #: **ADW003**

SHEET: **9**