

ARTISTIC DOORS & WINDOWS, INC.

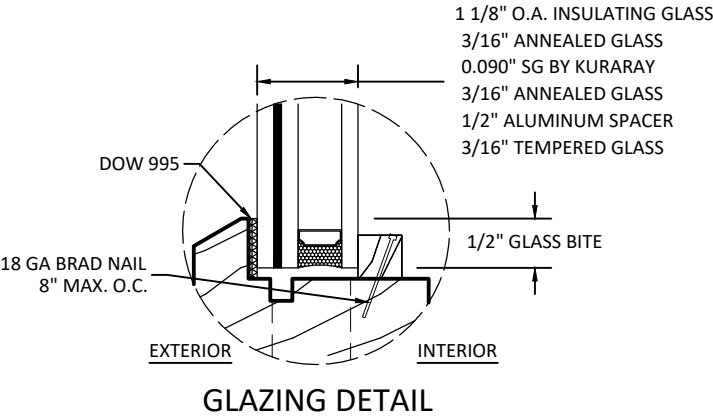
7000 OUTSWING WOOD DOOR (HVHZ) (IMPACT)

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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9	BILL OF MATERIALS AND COMPONENTS

DESIGN PRESSURE RATING		
DESIGN PRESSURE	MAX. FRAME SIZE	CONFIGURATION
+/- 70 PSF	42" X 132"	X
+/- 65 PSF	77" X 132"	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:
7000 OUTSWING WOOD DOOR
(HVHZ) (IMPACT)

GENERAL NOTES, DESIGN PRESSURE
TABLE & GLAZING DETAILS

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

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.06.01 19:28:07 -0400

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 #: **FL42125**

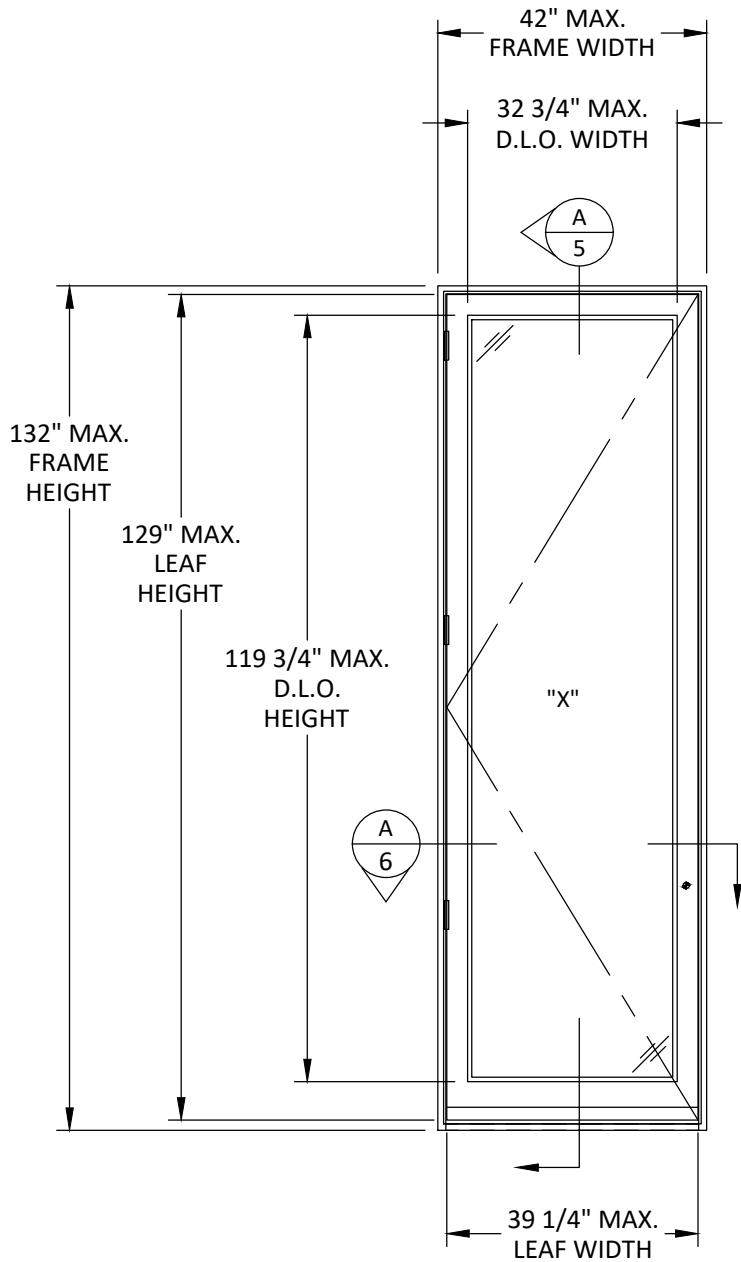
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DWG. BY: **MG** CHK. BY: **HFN**

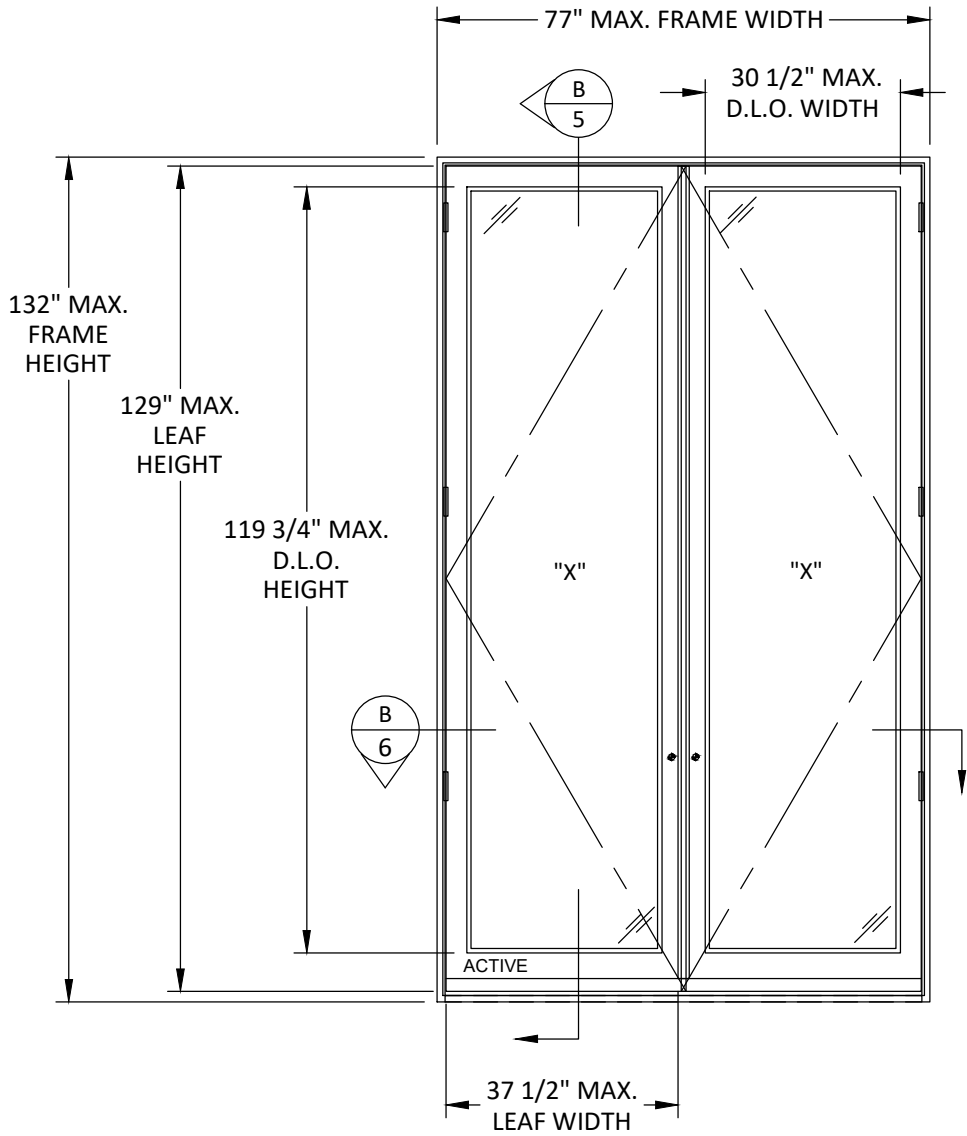
SCALE: **NTS**

DWG. #: **ADW006**

SHEET: **1**



ELEVATION
X CONFIGURATION



ELEVATION
XX CONFIGURATION



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ELEVATION

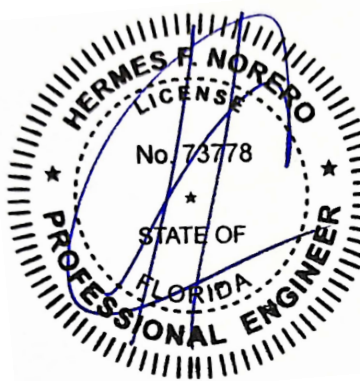
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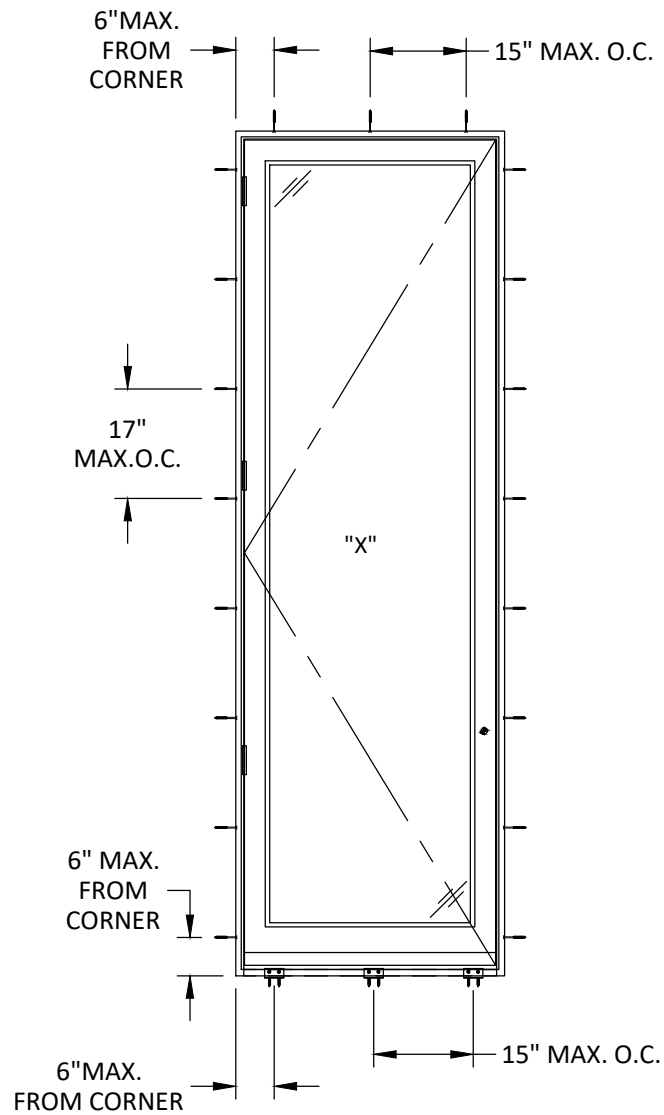
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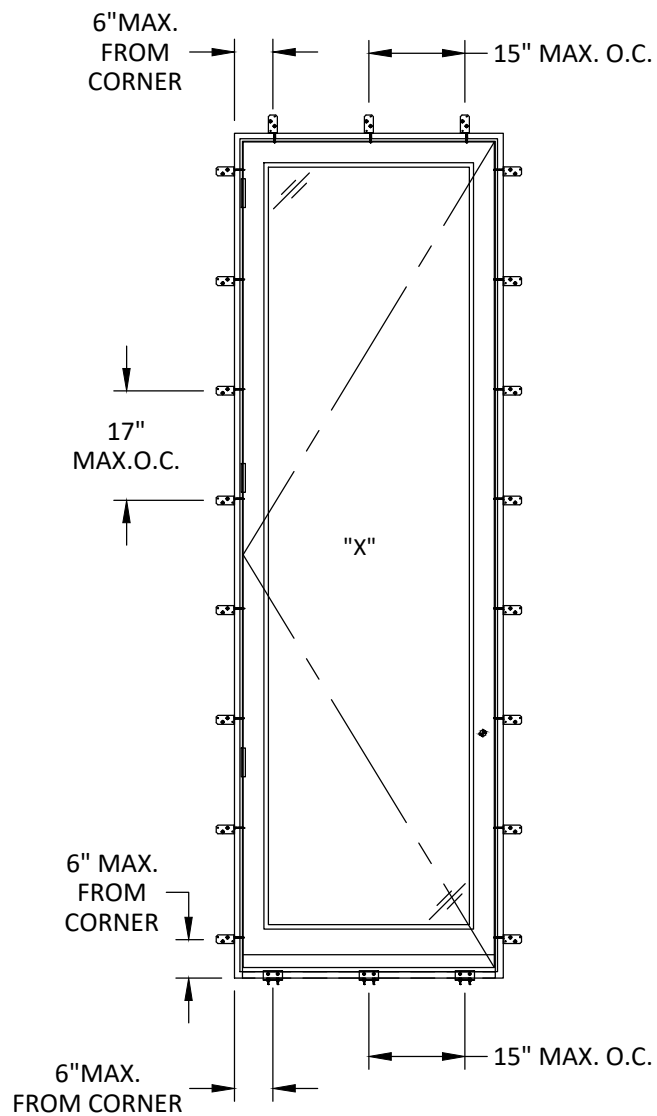
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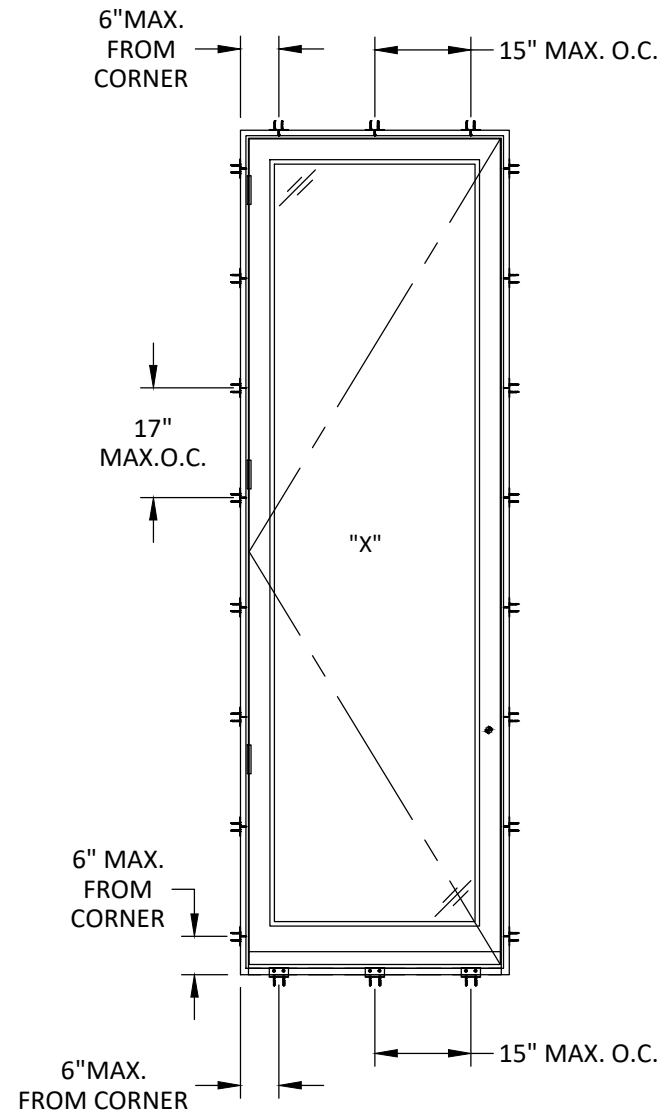


ANCHOR LAYOUT
THROUGH FRAME
INSTALLATION



ANCHOR LAYOUT
HRS12 STRAP
INSTALLATION

- NOTE:
- THROUGH FRAME
 - ⌘ ALUMINUM ANGLE
 - ⌘ HRS12 STRAP
 - ⌘ HTP37Z STRAP



ANCHOR LAYOUT
HTP37Z STRAP
INSTALLATION

- NOTE:
1. TWO (2) INSTALLATION ANCHORS PER STRAP AND ANGLE LOCATION.
 2. ALL INSTALLATION OPTIONS USE ALUMINUM ANGLE INSTALLATION METHOD AT SILL.
 3. FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES) SEE SHEET 7 AND 8.



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ANCHOR LAYOUT

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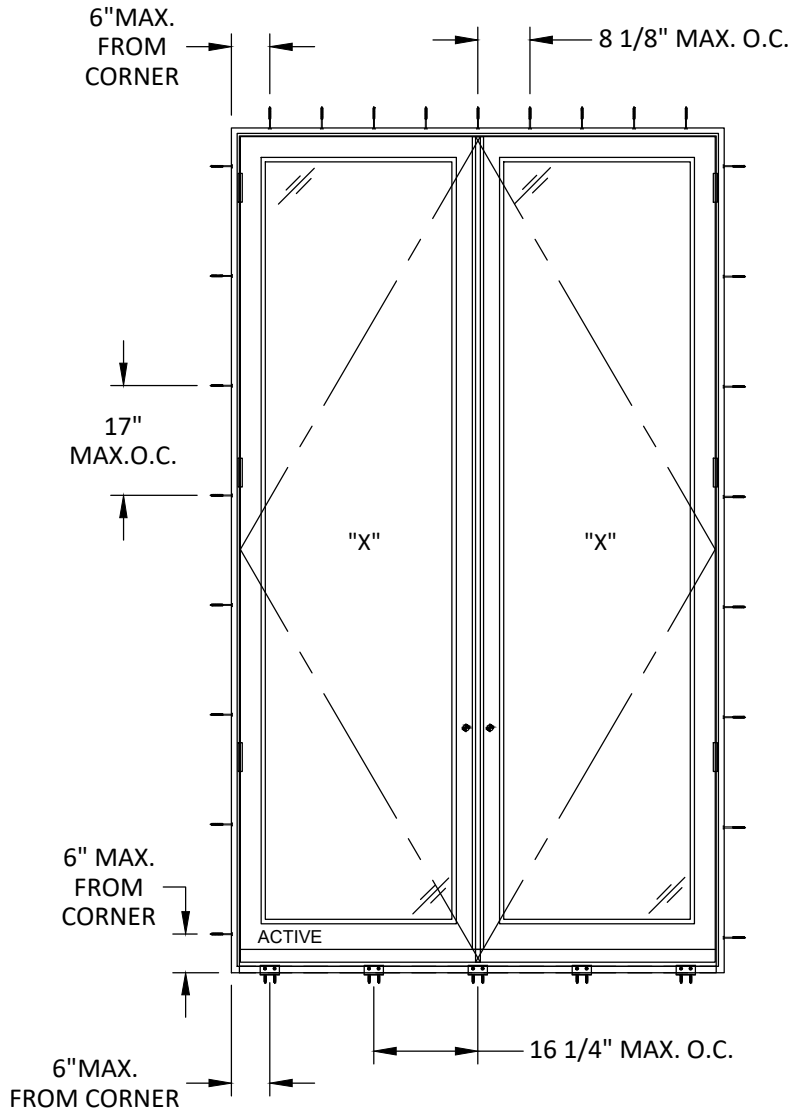
CHK. BY:
HFN

SCALE: **NTS**

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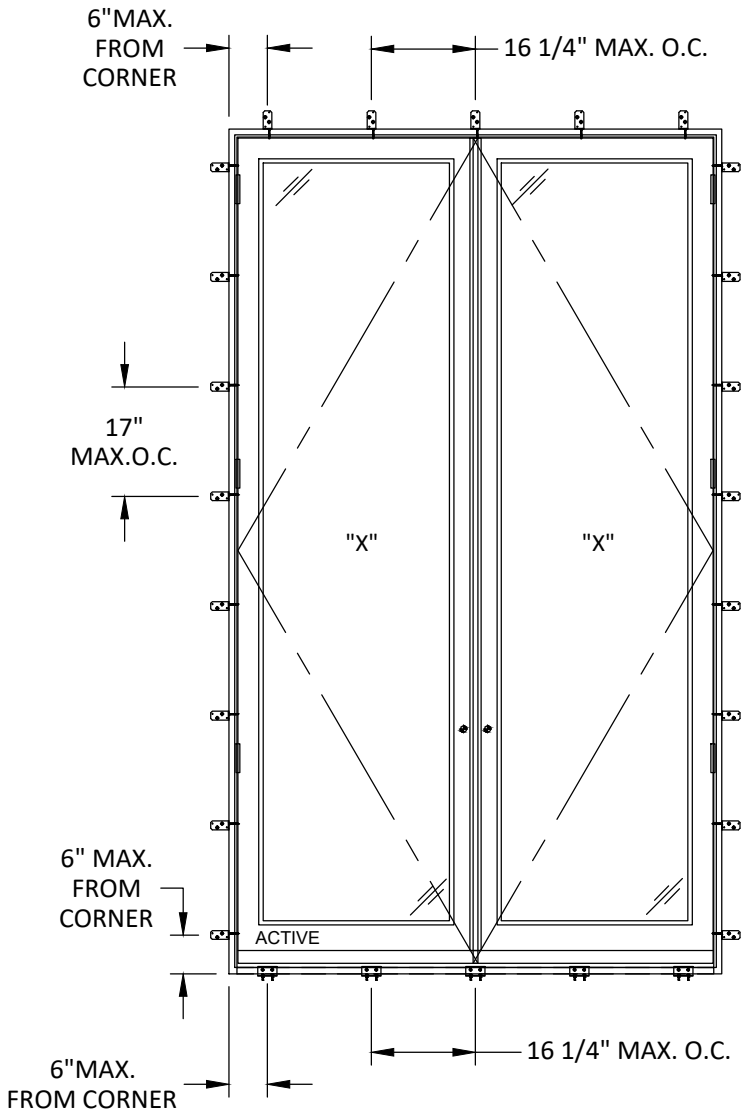
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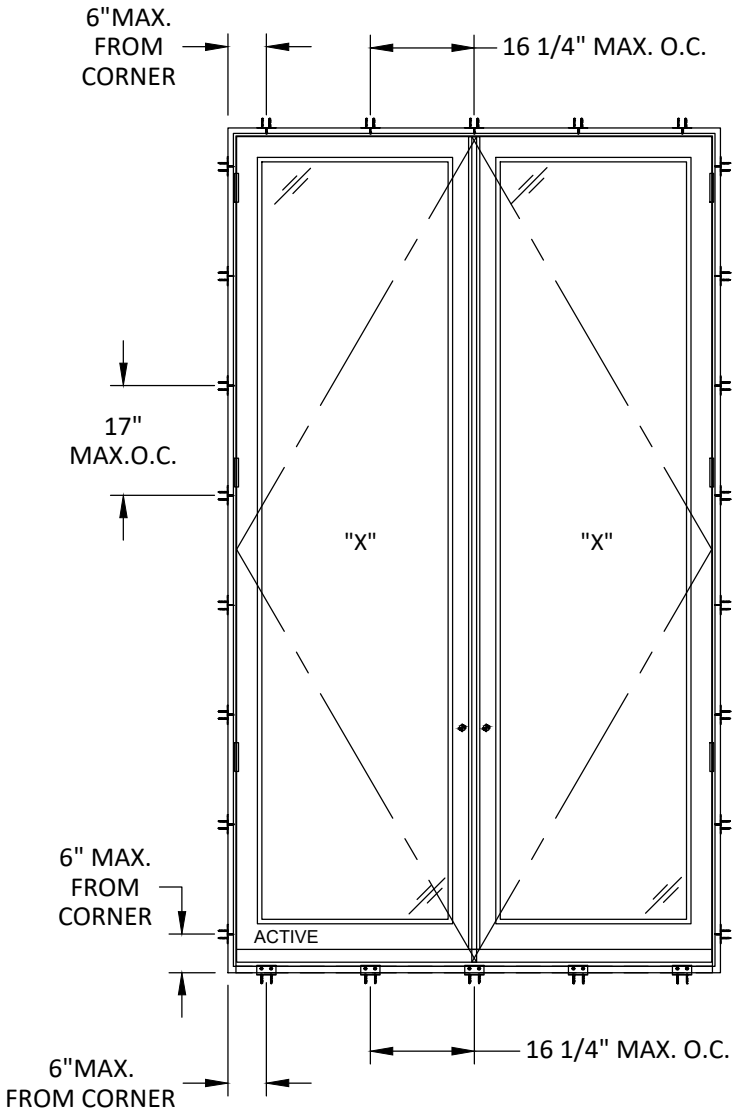


ANCHOR LAYOUT
THROUGH FRAME
INSTALLATION

- NOTE:
- THROUGH FRAME
 - ⌘ ALUMINUM ANGLE
 - ⌘ HRS12 STRAP
 - ⌘ HTP37Z STRAP



ANCHOR LAYOUT
HRS12 STRAP
INSTALLATION



ANCHOR LAYOUT
HTP37Z STRAP
INSTALLATION

- NOTE:
- TWO (2) INSTALLATION ANCHORS PER STRAP LOCATION.
 - ALL INSTALLATION OPTIONS USE ALUMINUM ANGLE INSTALLATION METHOD AT SILL.
 - FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES) SEE SHEET 7 AND 8.



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ANCHOR LAYOUT

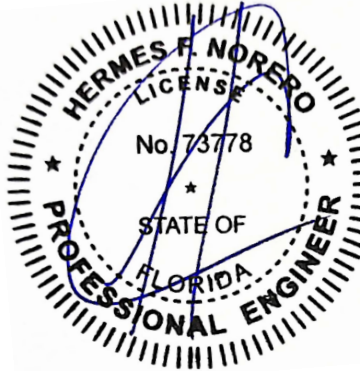
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SCALE: NTS

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SHEET:

4



ARTISTIC DOORS & WINDOWS
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PH: (732) 726-9400

TITLE:
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(HVHZ) (IMPACT)

VERTICAL SECTIONS

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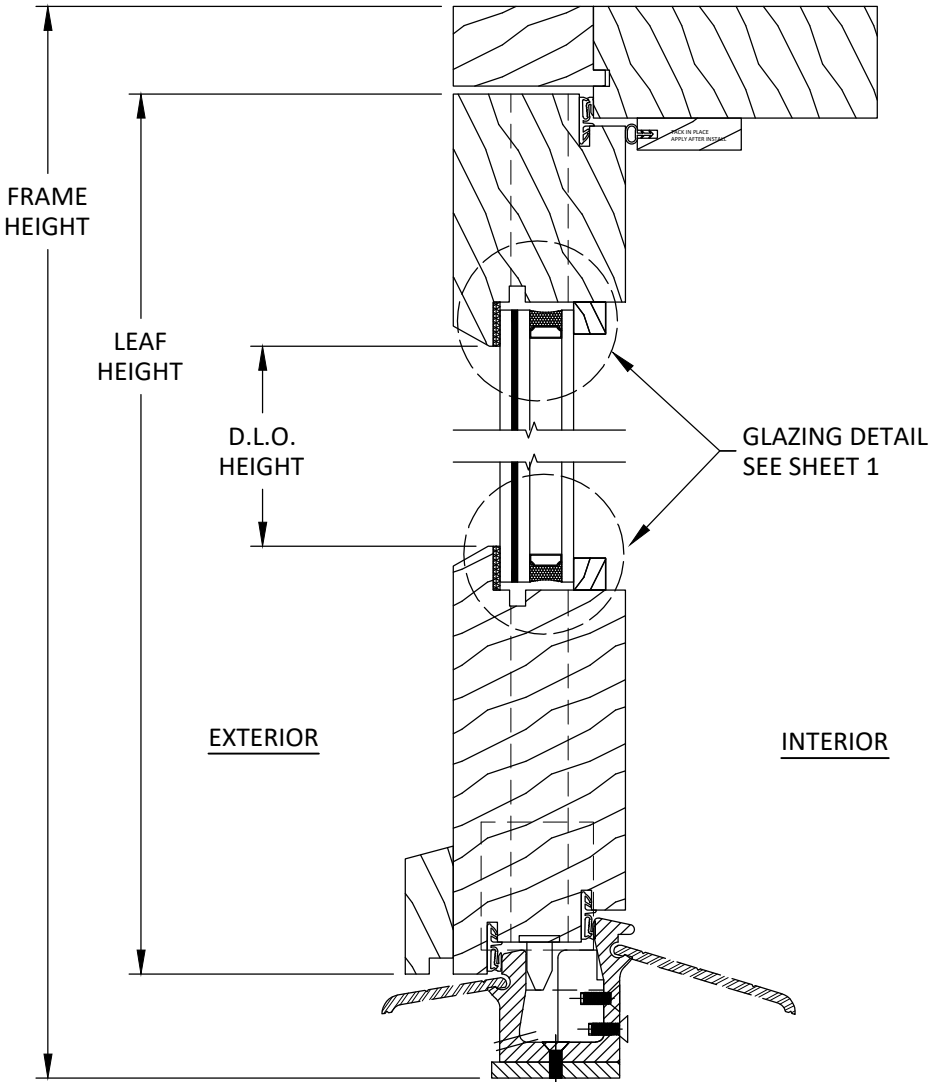
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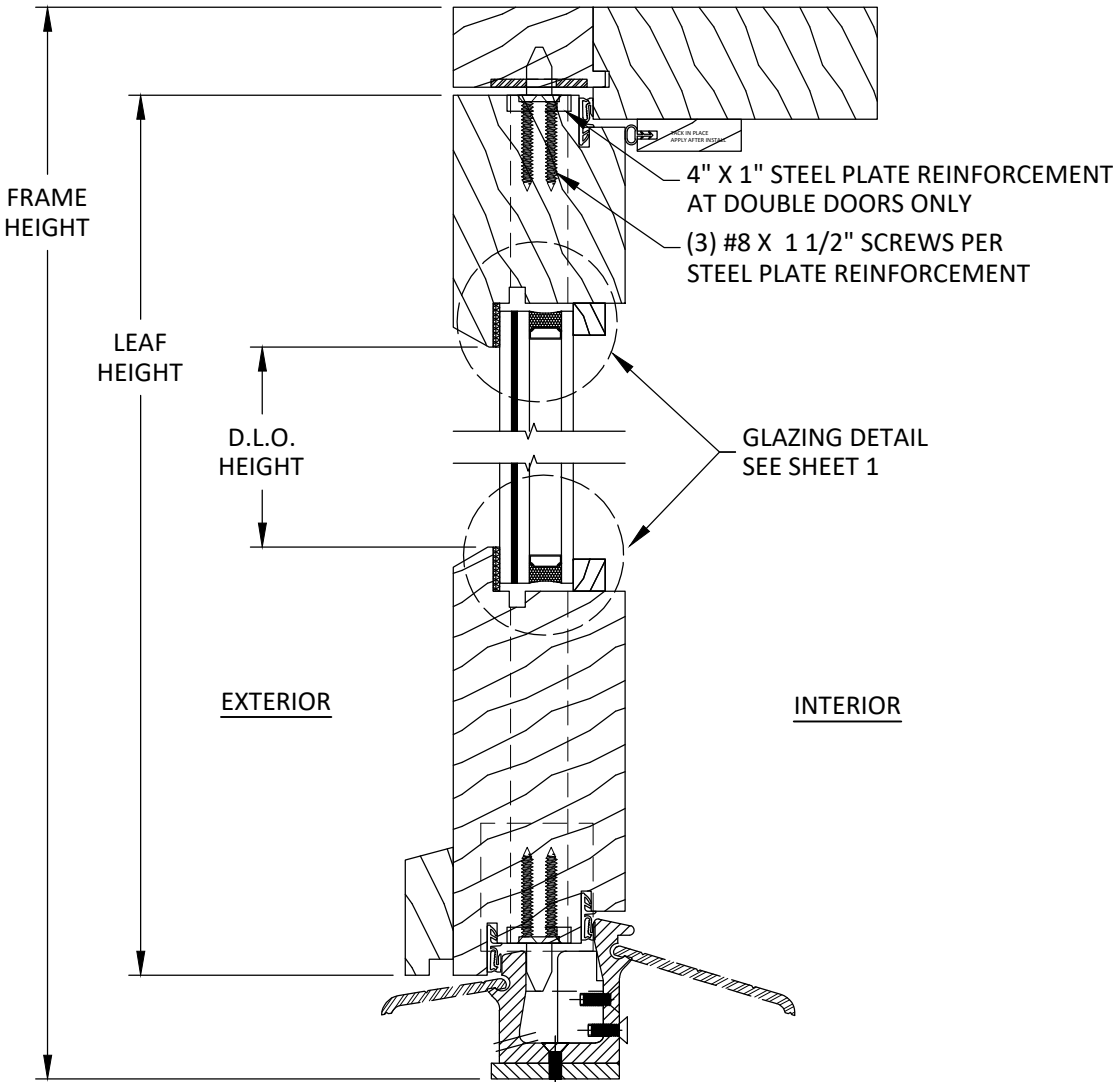
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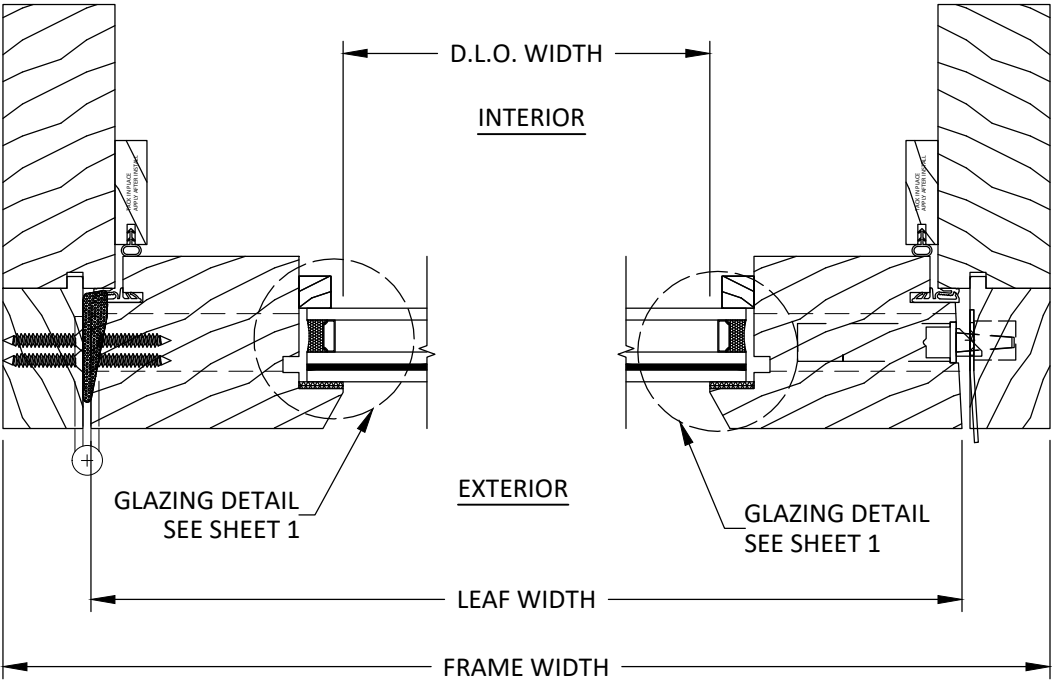
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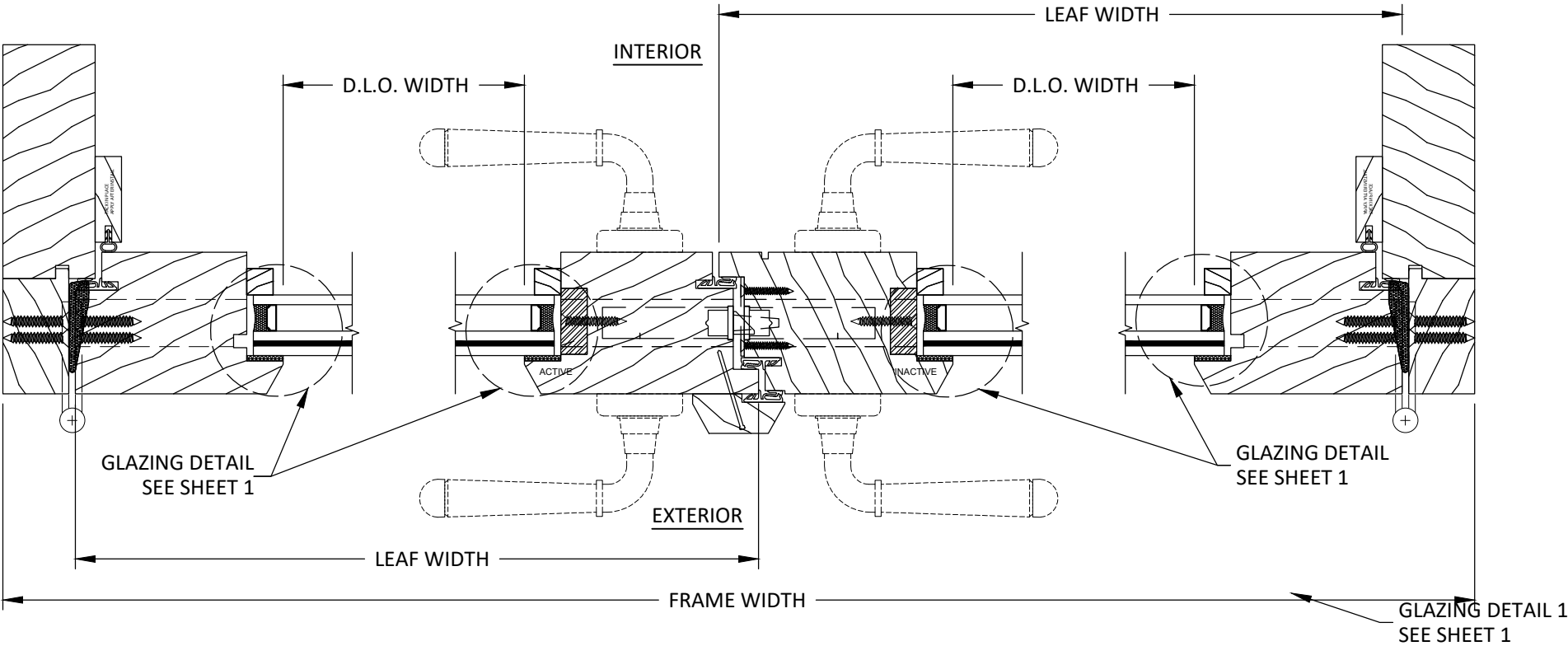
A
5 VERTICAL SECTION
X CONFIGURATION



B
5 VERTICAL SECTION
XX CONFIGURATION



A
6 HORIZONTAL SECTION
X CONFIGURATION



B
6 HORIZONTAL SECTION
XX CONFIGURATION



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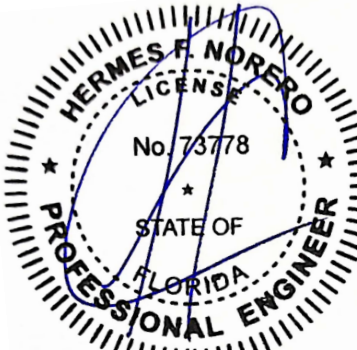
HORIZONTAL SECTIONS

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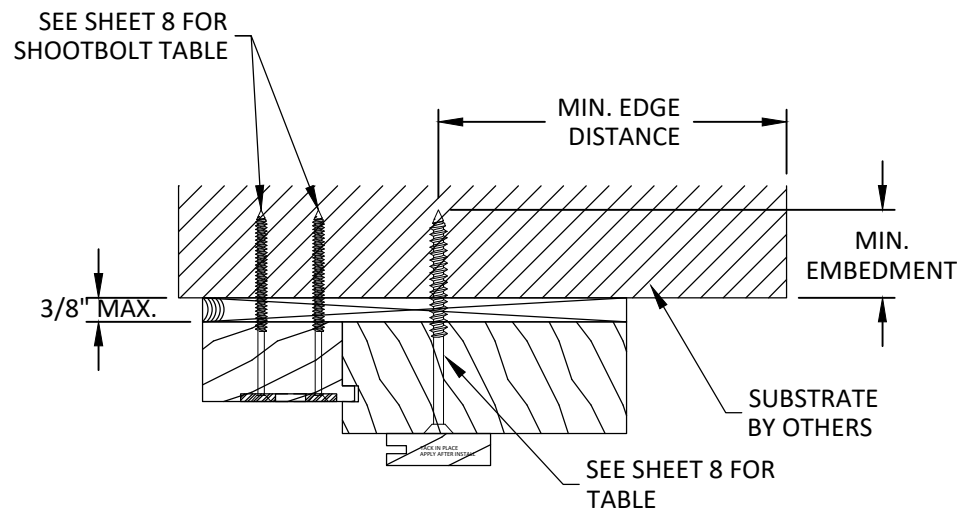
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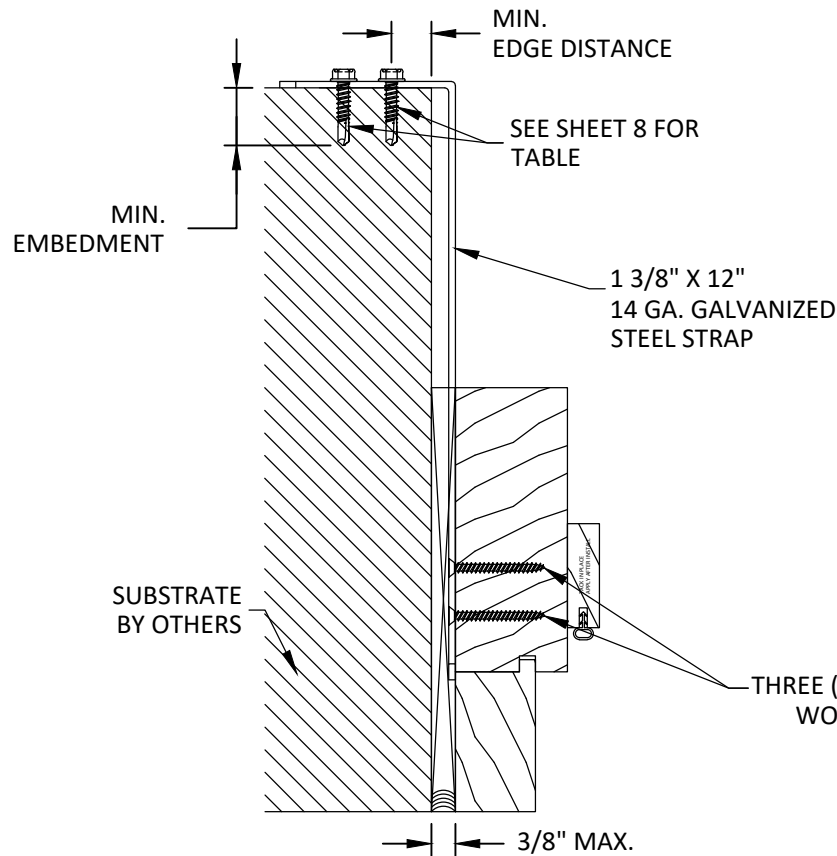
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SHEET:	6

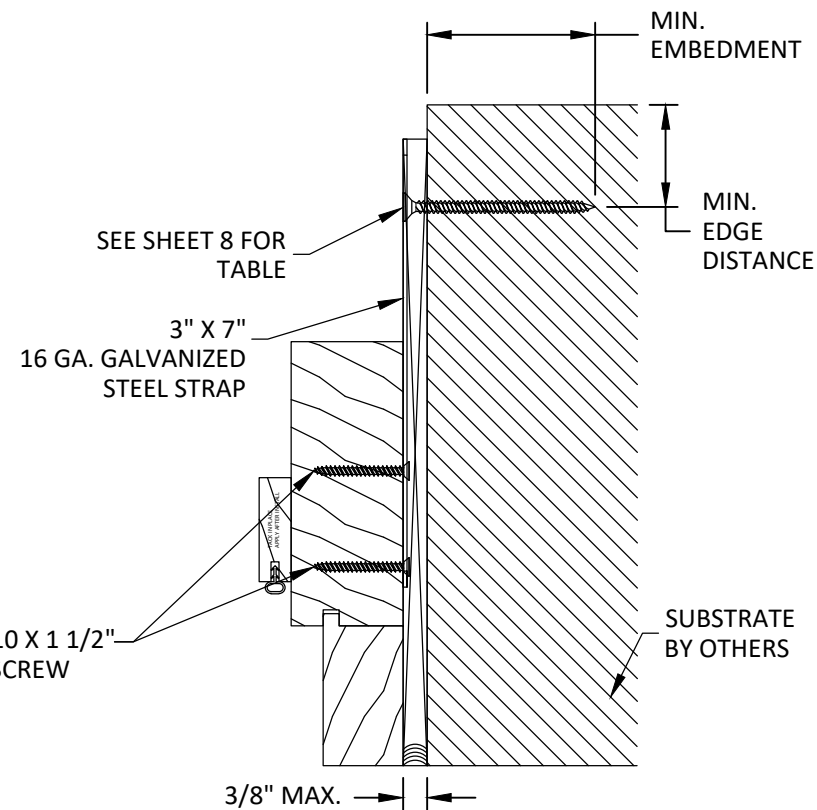
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A
7
ANCHOR DETAIL
THROUGH FRAME - HEAD
NOTE: SAME AT JAMB



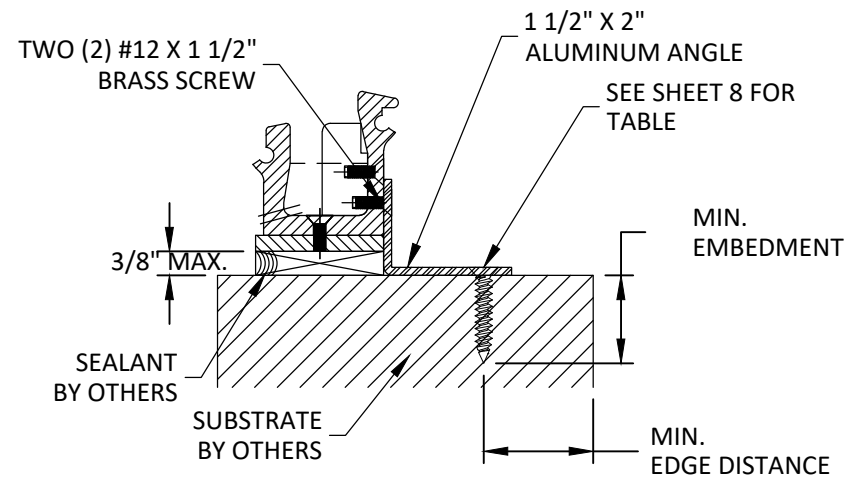
B
7
ANCHOR DETAIL
HRS12 STRAP - JAMB
NOTE: SAME AT HEAD



C
7
ANCHOR DETAIL
HTP37Z STRAP - JAMB
NOTE: SAME AT HEAD

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.



D
7
ANCHOR DETAIL
ALUMINUM ANGLE - SILL



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SHEET:	7

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ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME (HEAD / JAMB)	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"	2"
	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"
HRS12 STRAP (HEAD / JAMB)	WOOD: MIN. S.G. = 0.55	#12 WOOD SCREW	1.5"	0.625"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	#12 SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.625"
HTP37Z STRAP (HEAD / JAMB)	WOOD: MIN. S.G. = 0.55	#12 WOOD SCREW	1.25"	0.625"
	CONCRETE (MIN. f'c = 3000 PSI) OR CMU (PER ASTM C90)	3/16" ITW TAPCON	1.25"	2"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	#12 SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.625"
ALUMINUM ANGLE (SILL)	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"	2"
	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"

SHOOTBOLT STRIKE INSTALLATION				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. S.G. = 0.55	#8 WOOD SCRE	1.25"	0.5"
	CONCRETE (MIN. f'c = 3000 PSI) OR CMU (PER ASTM C90)	3/16" ITW TAPCON	1.75"	1.5"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	#8 SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.5"



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ANCHOR SCHEDULE

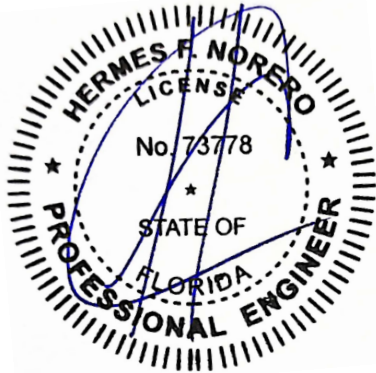
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HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL42125

DATE:

04.05.23

DWG. BY:

MG

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

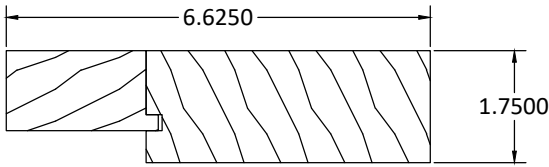
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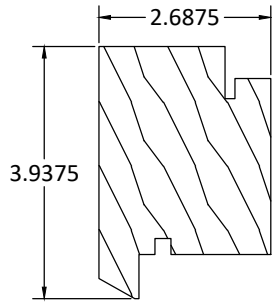
8

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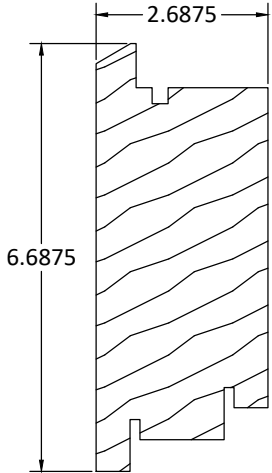
1 FRAME



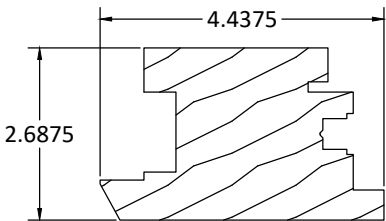
2 STILE & TOP RAIL



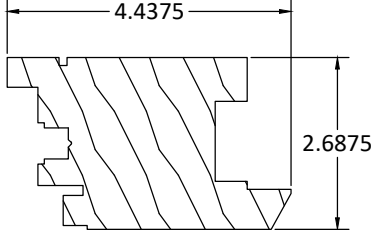
3 BOTTOM RAIL



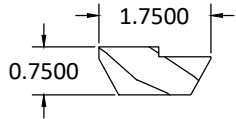
4 ACTIVE MEETING STILE



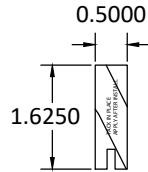
5 INACTIVE MEETING STILE



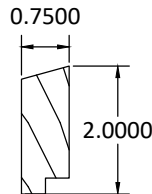
6 ASTRAGAL



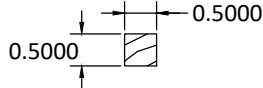
7 STOP



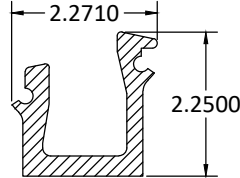
8 SILL DRIP CAP



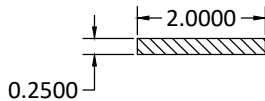
9 GLASS STOP



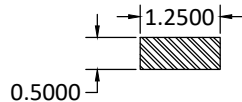
10 THRESHOLD



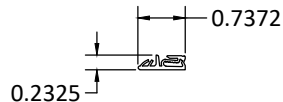
11 BRASS PLATE



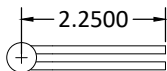
12 REINFORCEMENT PLATE



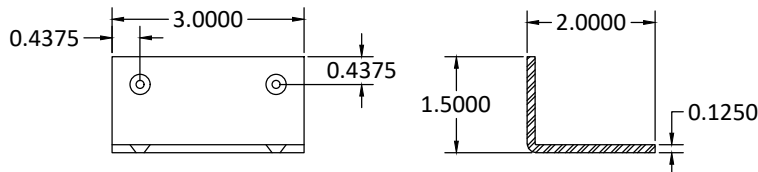
13 WEATHER SEAL SP 7718



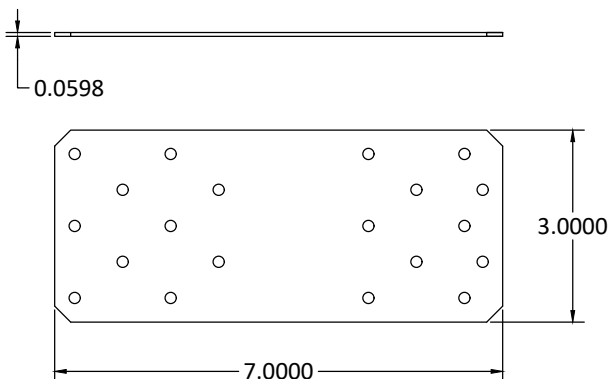
14 BALL BEARING BUTT HINGE 4 1/2" X 4 1/2"



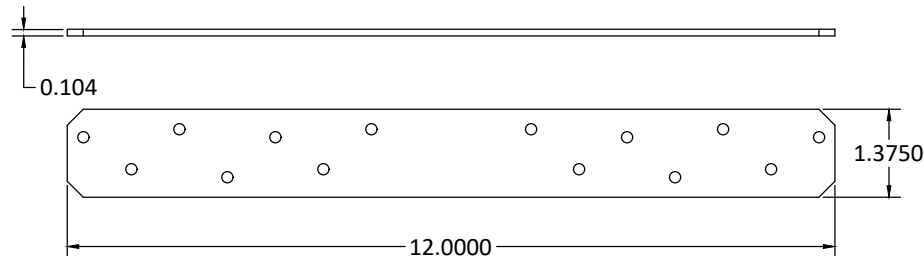
15 ALUMINUM ANGLE 1 1/2" X 2"



16 HTP37Z STRAP



17 HRS12 STRAP



BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	FRAME	MAHOGANY
2	STILE & TOP RAIL	MAHOGANY
3	BOTTOM RAIL	MAHOGANY
4	ACTIVE MEETING STILE	MAHOGANY
5	INACTIVE MEETING STILE	MAHOGANY
6	ASTRAGAL	MAHOGANY
7	STOP	MAHOGANY
8	SILL DRIP CAP	6063-T5 ALUMINUM
9	GLASS STOP	MAHOGANY
10	THRESHOLD	BRASS
11	BRASS PLATE	BRASS
12	REINFORCEMENT PLATE 1/2" X 1 1/4"	STEEL
13	WEATHER SEAL SP 7718	TPE
14	BALL BEARING BUTT HINGE 4 1/2" X 4 1/2"	BRASS
15	ALUMINUM ANGLE 1 1/2" X 2"	6063-T5 ALUMINUM
16	HTP37Z STRAP	GALVANIZED STEEL
17	HRS12 STRAP	GALVANIZED STEEL



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

TITLE:
7000 OUTSWING WOOD DOOR
(HVHZ) (IMPACT)

BILL OF MATERIALS AND COMPONENTS

PREPARED BY:
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

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FL #: **FL42125**

DATE: **04.05.23**

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

SCALE: **NTS**

DWG. #: **ADW006**

SHEET: **9**