

ARTISTIC DOORS & WINDOWS, INC.

8000 INSWING 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 $\pm 1/2$ 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.
- 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
+/- 70 PSF	42" X 132"	X
+65 / -70 PSF*	77" X 132"	XX

WATER TEST PRESSURE = 9.20 PSF

**NOTE:

- WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. DOORS ARE POSITIVE PRESSURE SHALL BE LIMITED TO 60 PSF WHERE WATER INFILTRATION IS REQUIRED.
- WHEN INSTALLED AT A LOCATION PROTECTED BY AN OVERHANG SUCH THAT:
 - OVERHANG (OH) RATIO = OH LENGTH $\div$ OH HEIGHT IS ≥ 1.0 , PRODUCT REQUIRES LIMITED WATER (LW) TESTING.

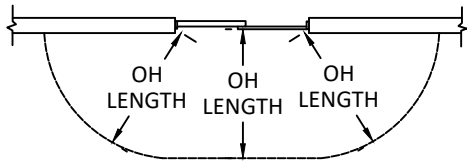


FIGURE A

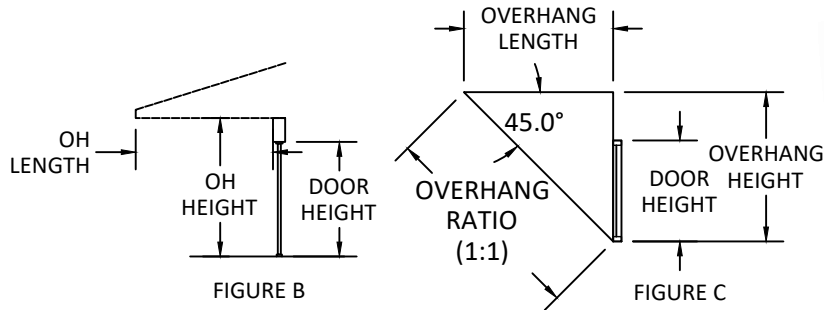
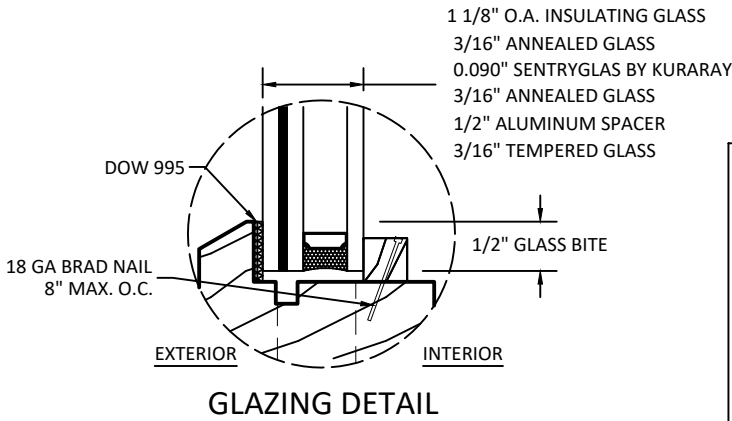


FIGURE B

FIGURE C



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.



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

TITLE:
8000 INSWING WOOD DOOR
(HVHZ) (IMPACT)

GENERAL NOTES, DESIGN PRESSURE
TABLE & GLAZING DETAILS

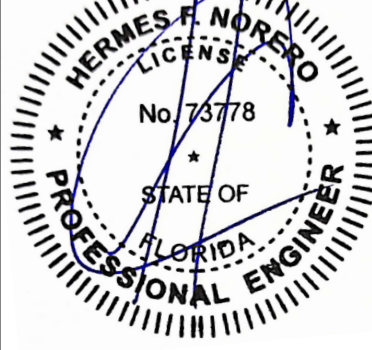
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

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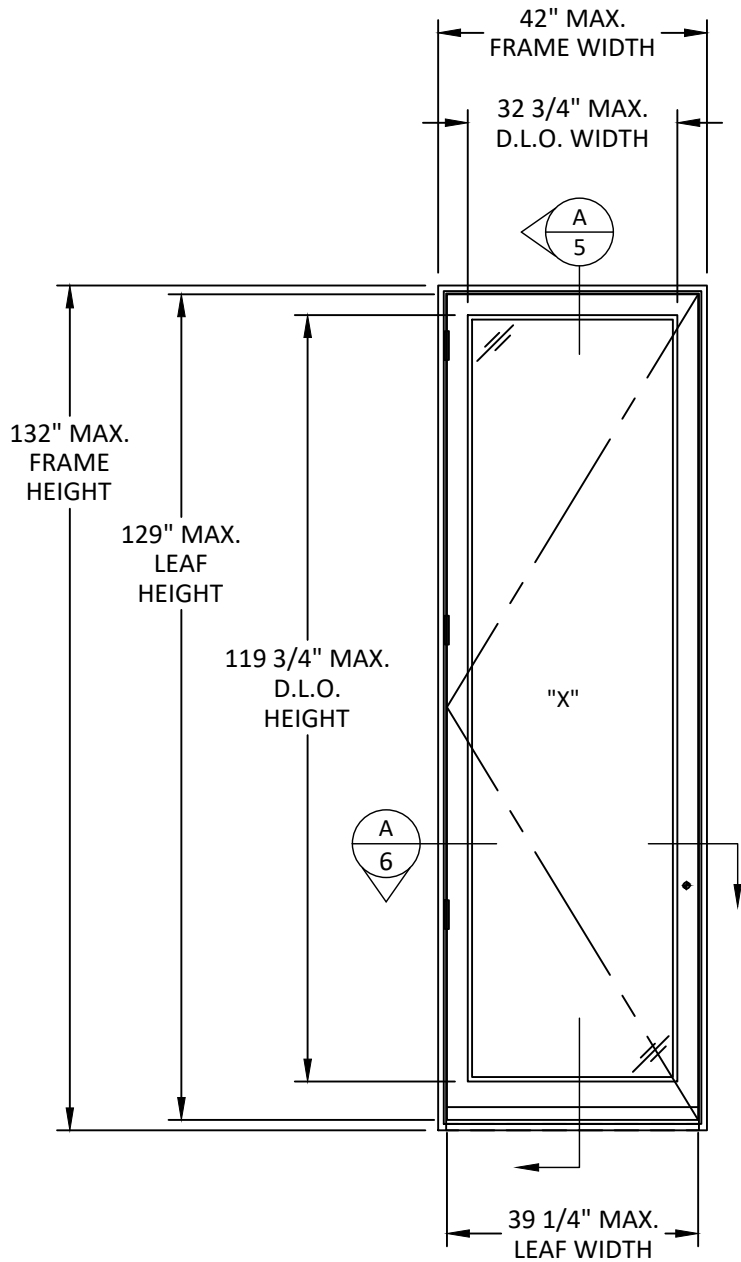
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.10.11 17:06:47 -0400

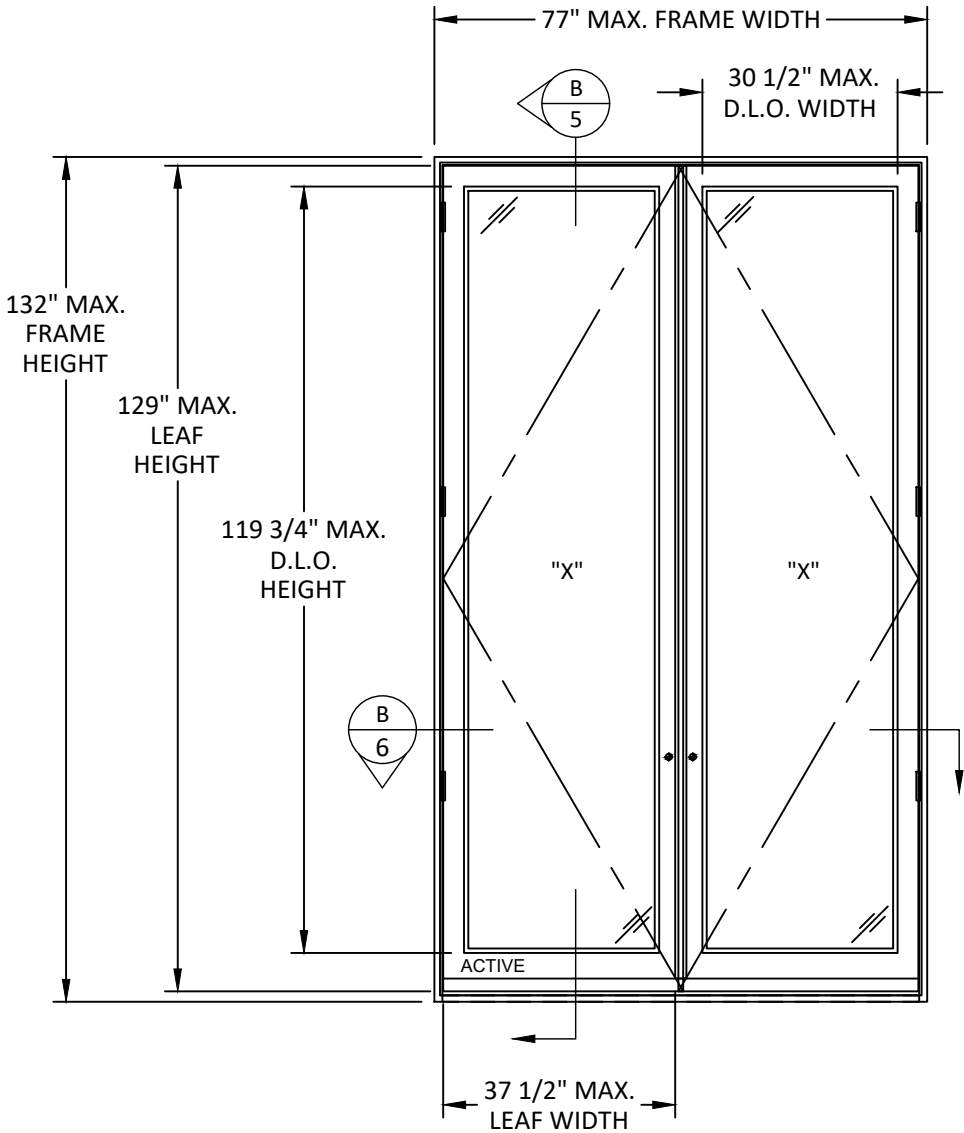


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FLORIDA P.E. No 73778
BUILDING DROPS, INC
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL42125	
DATE:	04.05.23	
DWG. BY:	MG	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	ADW007	
SHEET:	1	REV. A



ELEVATION
X CONFIGURATION



ELEVATION
XX CONFIGURATION



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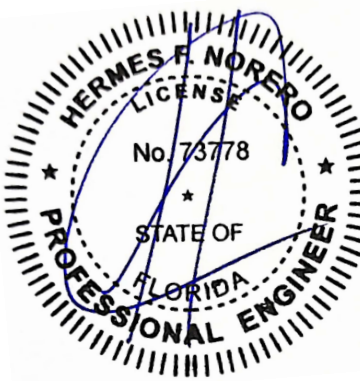
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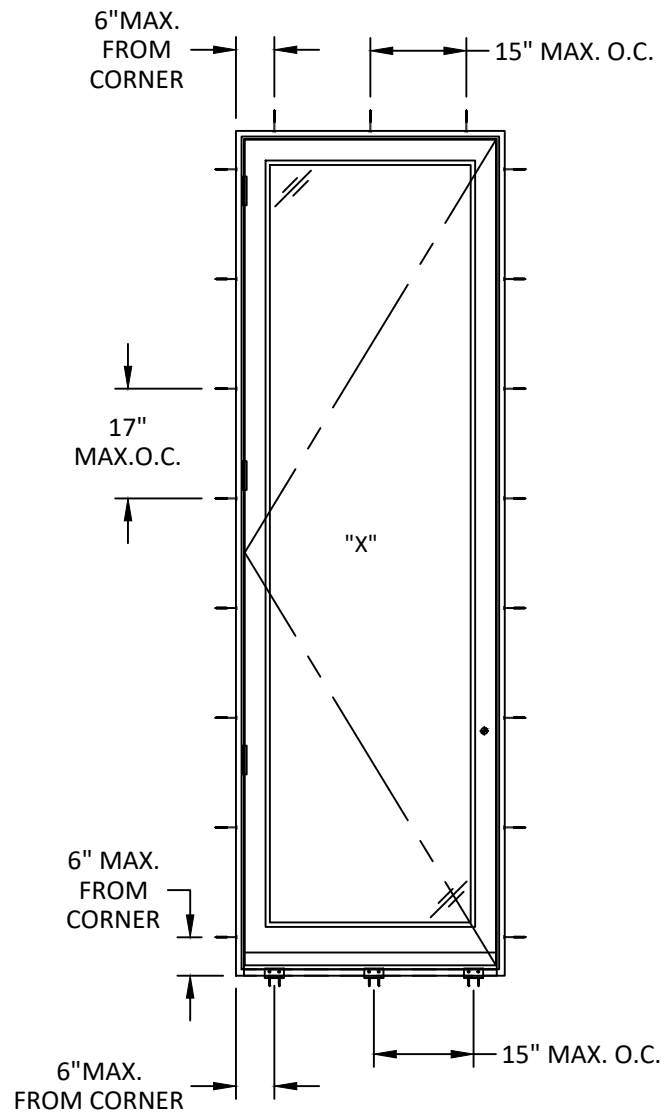
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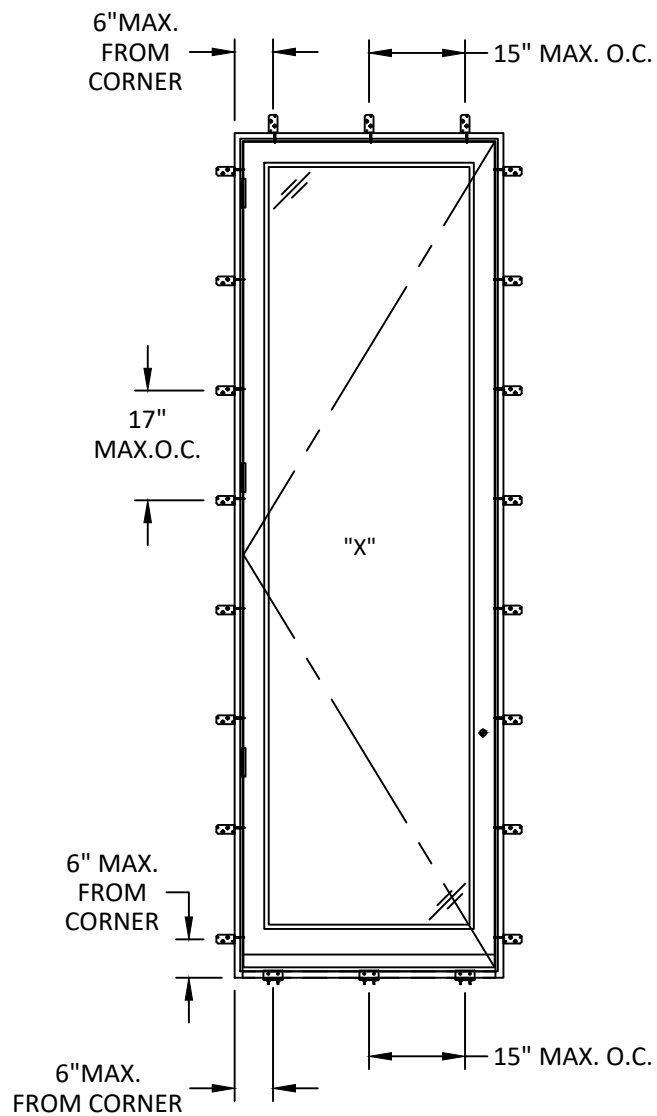
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REV.	A

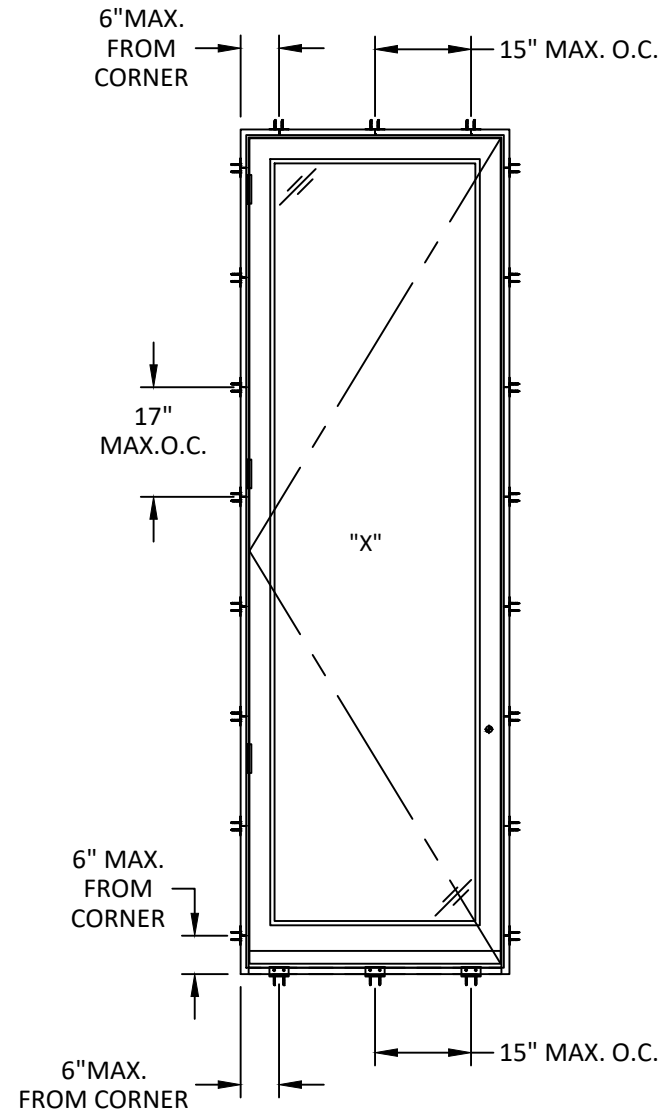
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ANCHOR LAYOUT
THROUGH FRAME
INSTALLATION



ANCHOR LAYOUT
HRS12 STRAP
INSTALLATION



ANCHOR LAYOUT
HTP37Z STRAP
INSTALLATION

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

- NOTE:
- TWO (2) INSTALLATION ANCHORS PER STRAP AND ANGLE 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

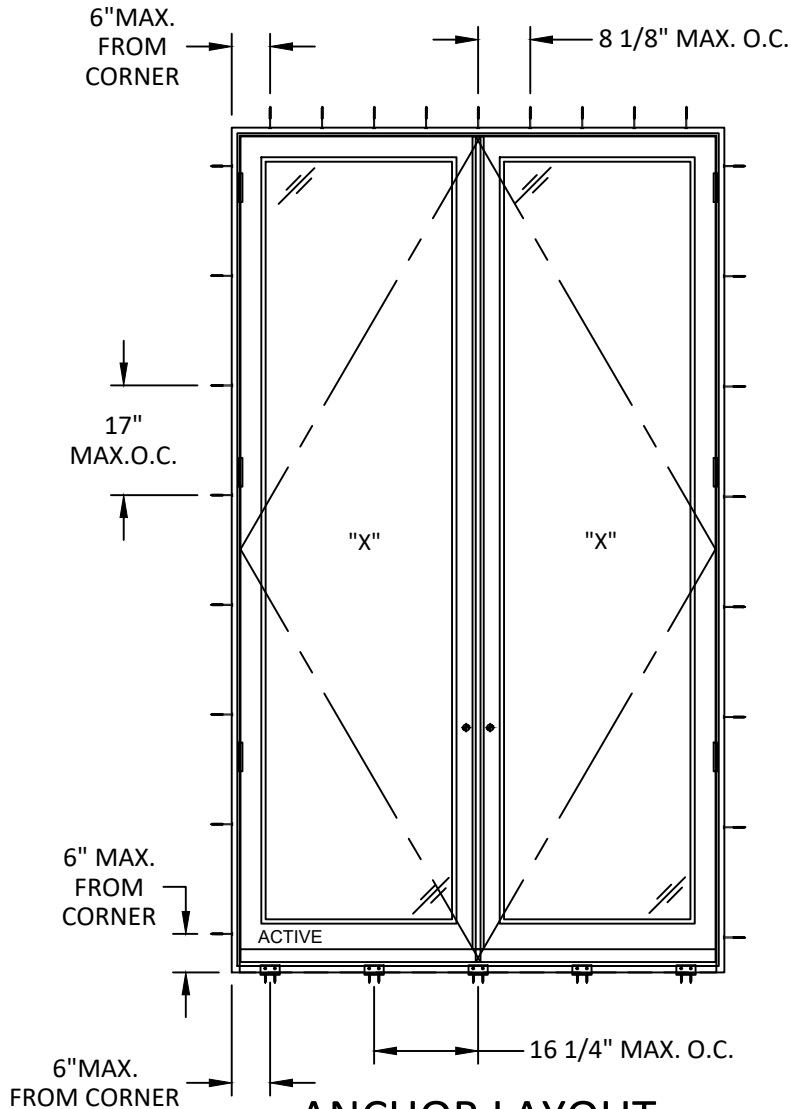
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1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

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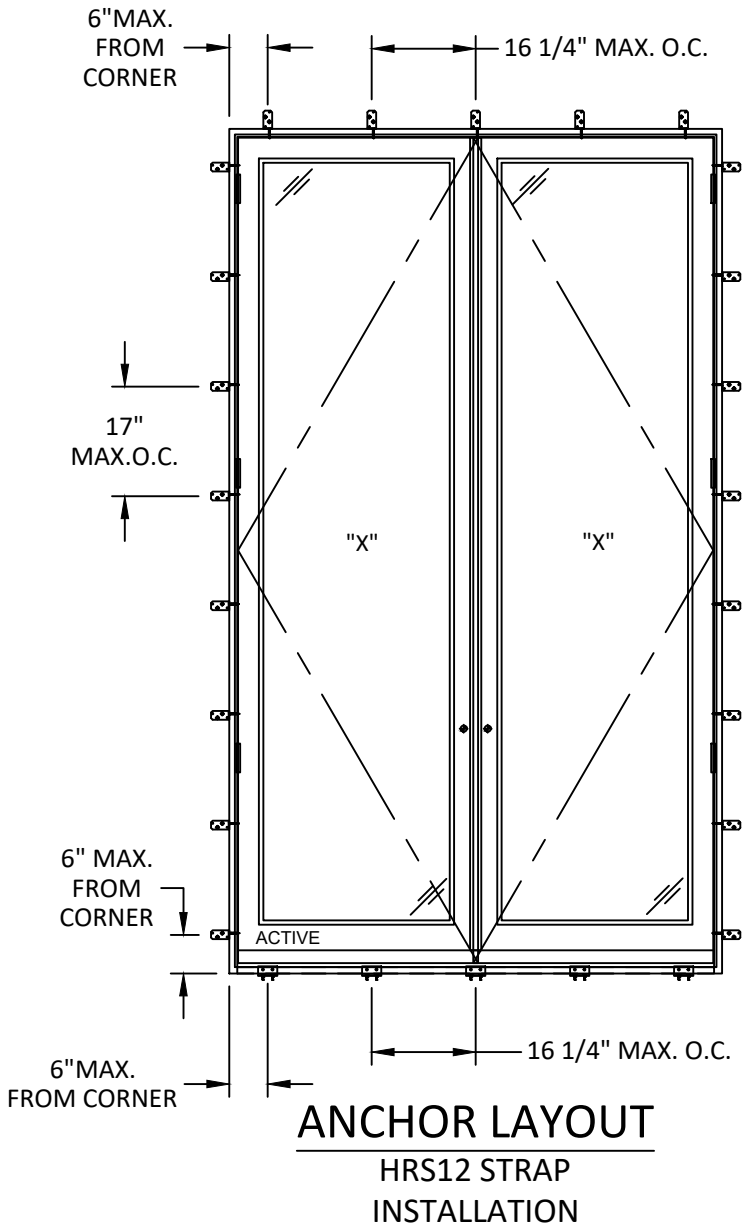
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FLORIDA P.E. No 73778
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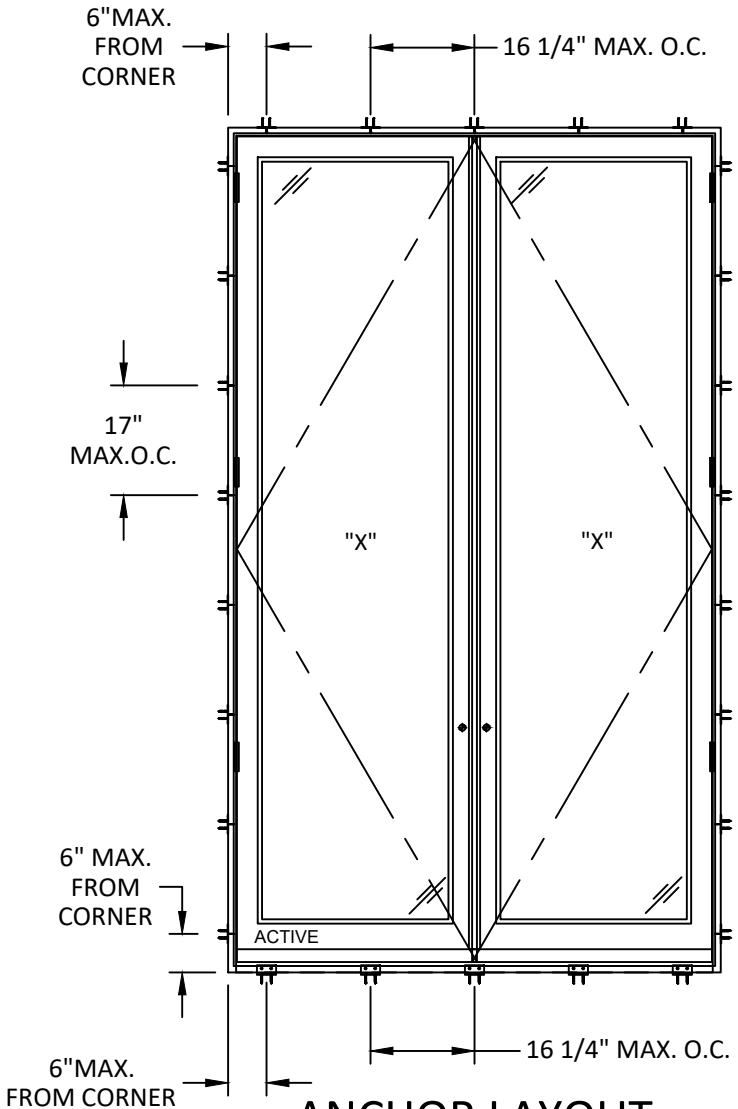


ANCHOR LAYOUT
THROUGH FRAME
INSTALLATION

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



ANCHOR LAYOUT
HRS12 STRAP
INSTALLATION



ANCHOR LAYOUT
HTP37Z STRAP
INSTALLATION

- NOTE:
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ANCHOR LAYOUT

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BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

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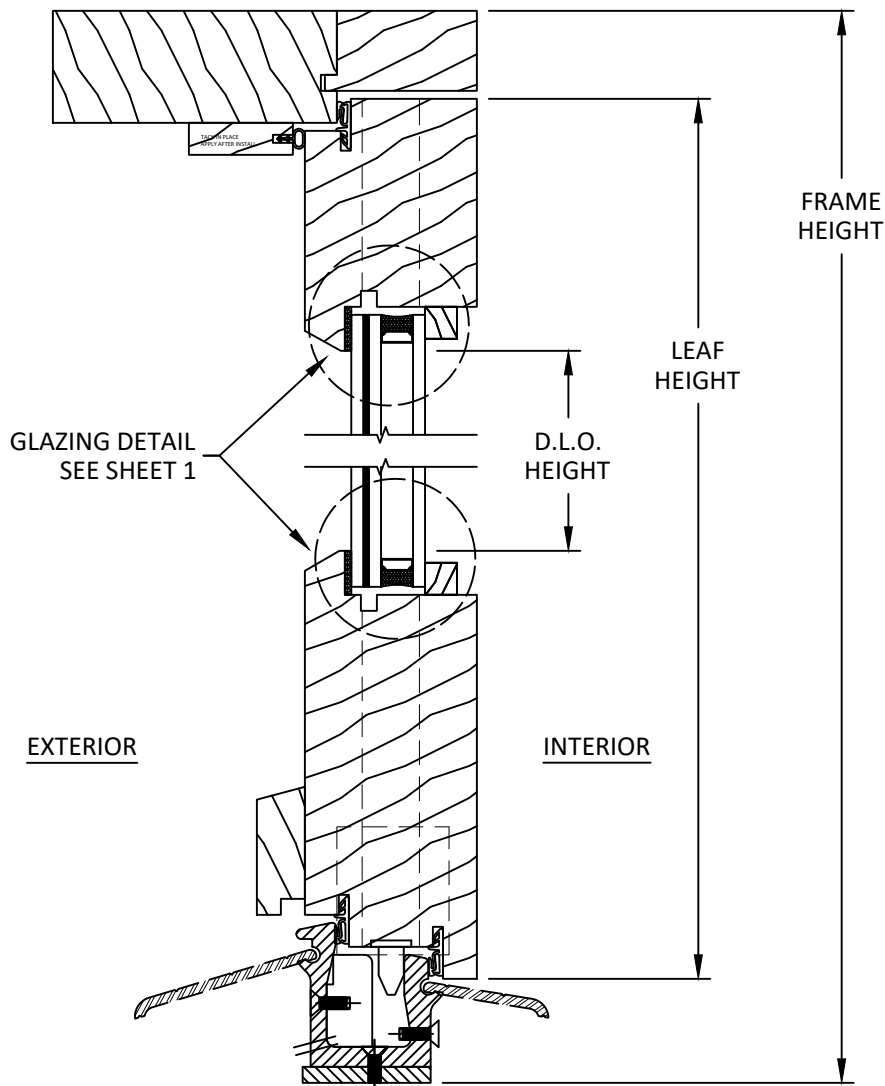
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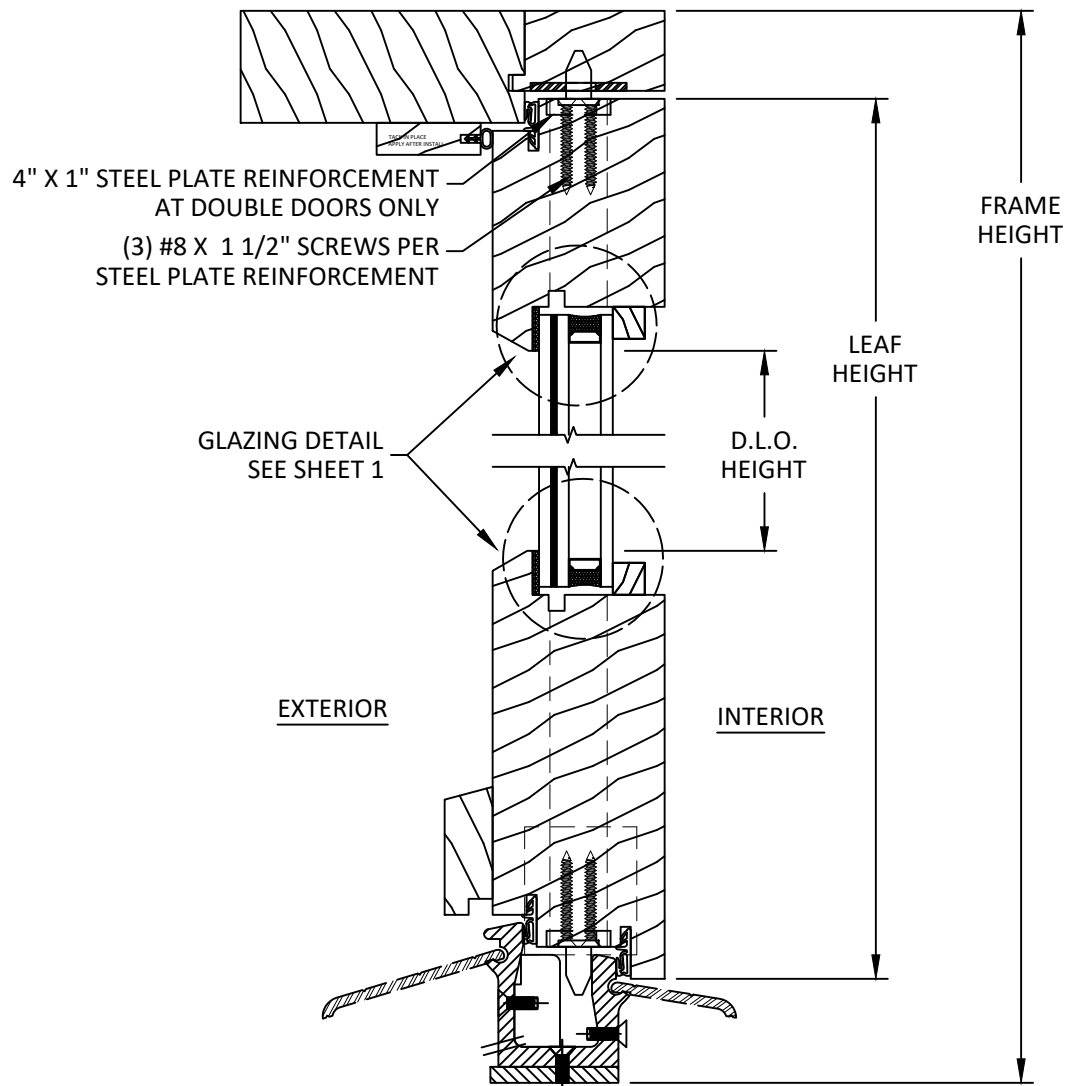
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DWG. #: ADW007

SHEET: 4 REV. A



A
5 VERTICAL SECTION
X CONFIGURATION



B
5 VERTICAL SECTION
XX CONFIGURATION



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TITLE:
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VERTICAL SECTIONS

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FAX: (954) 744-4738
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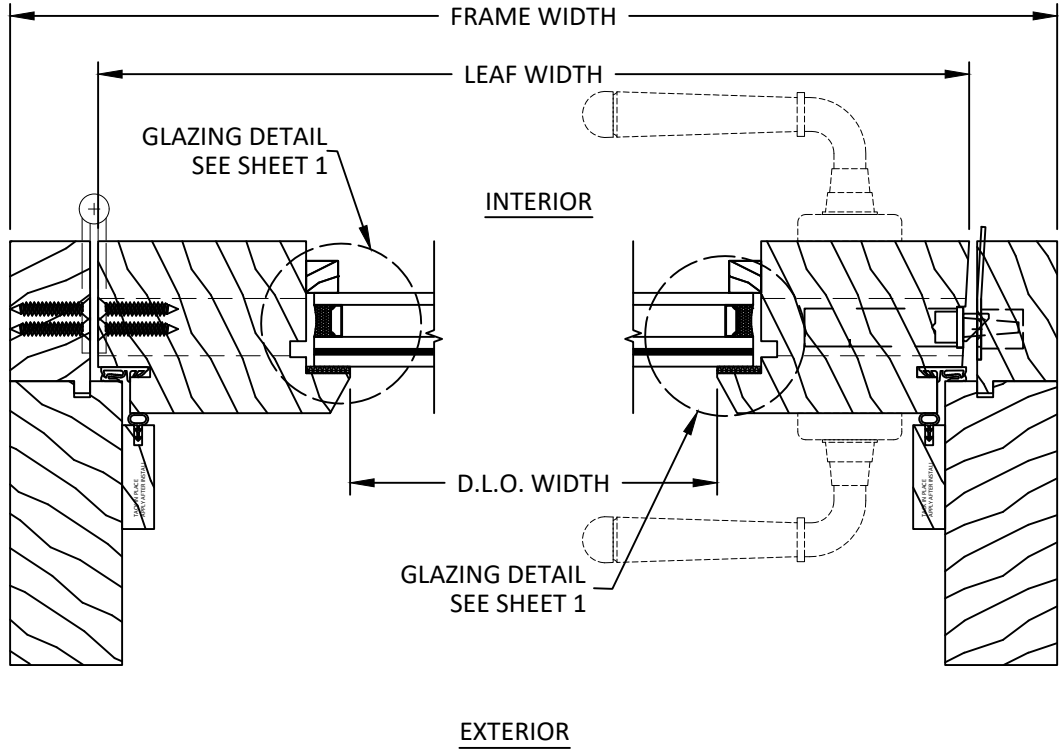
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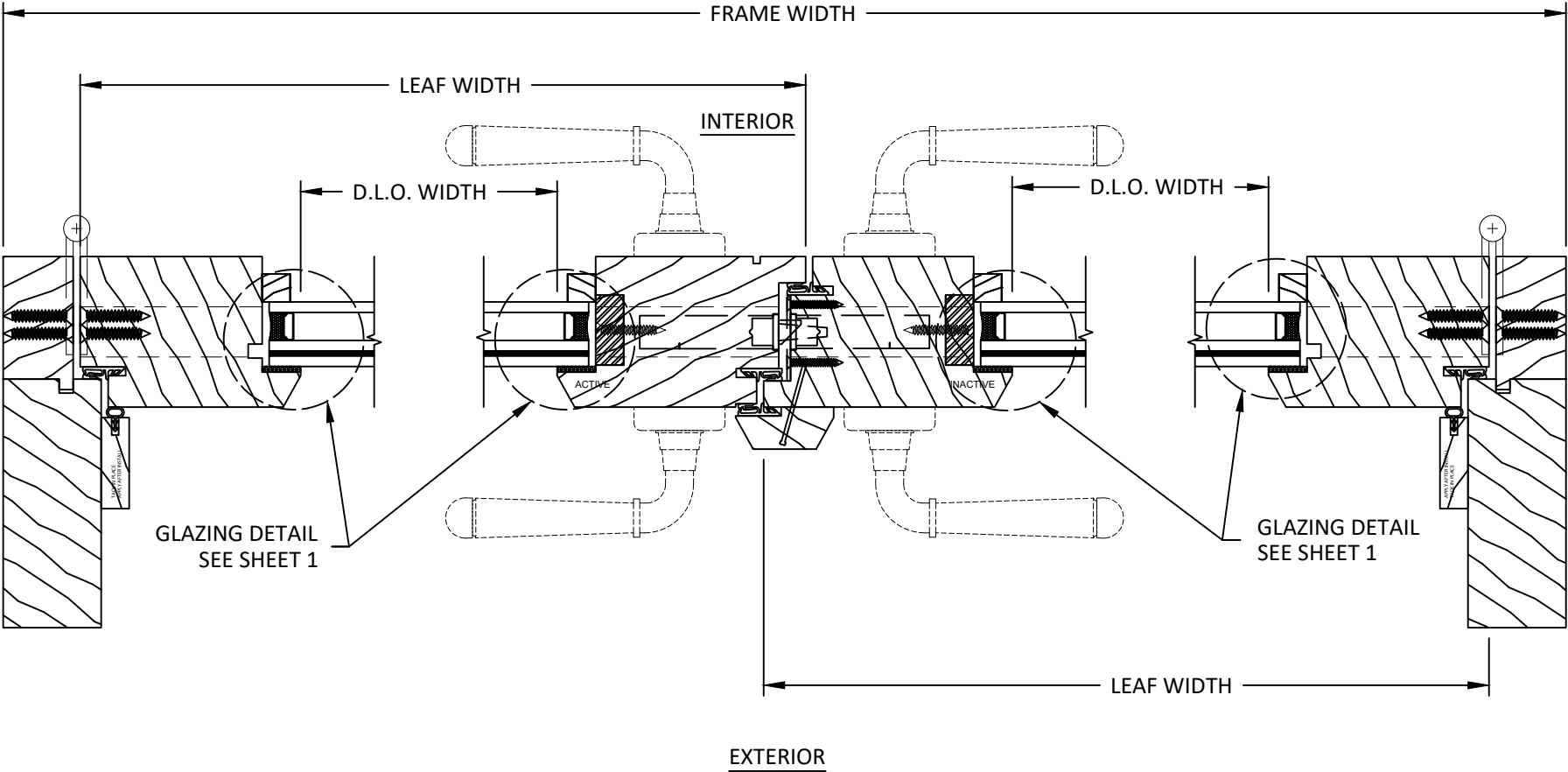
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DWG. #:	ADW007
SHEET:	5
REV.	A



A
6 HORIZONTAL SECTION
X CONFIGURATION



B
6 HORIZONTAL SECTION
XX CONFIGURATION



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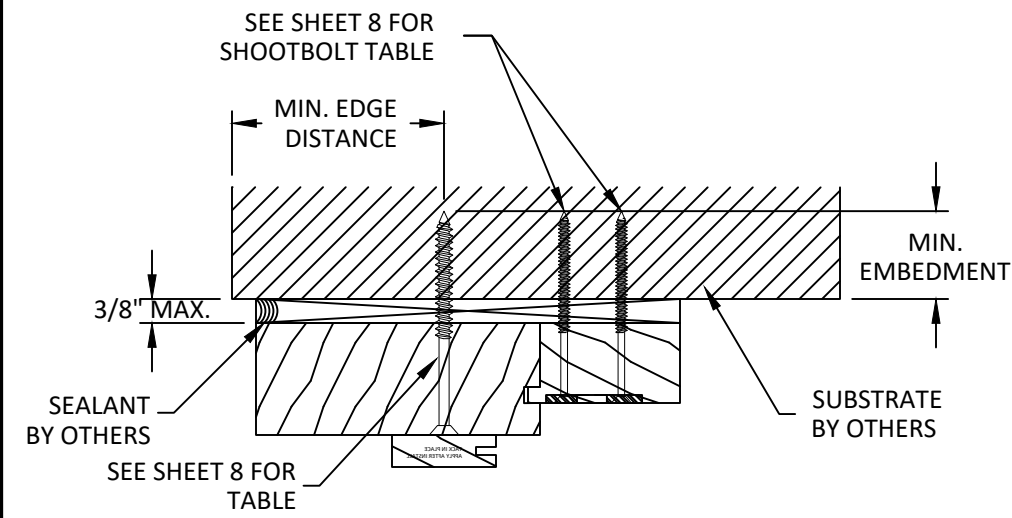
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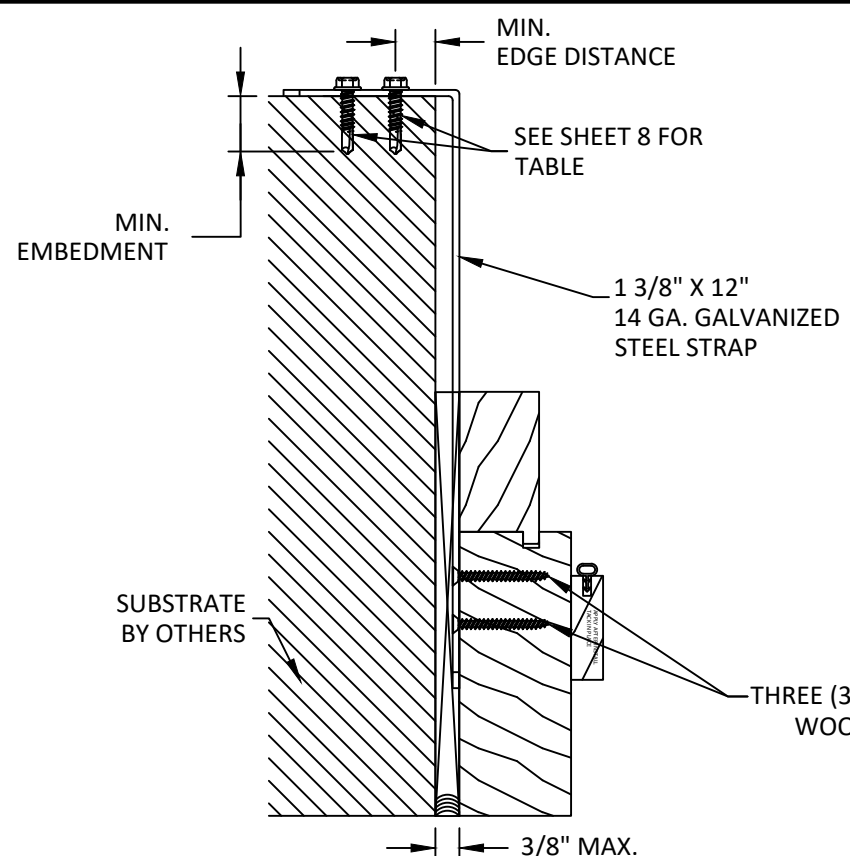
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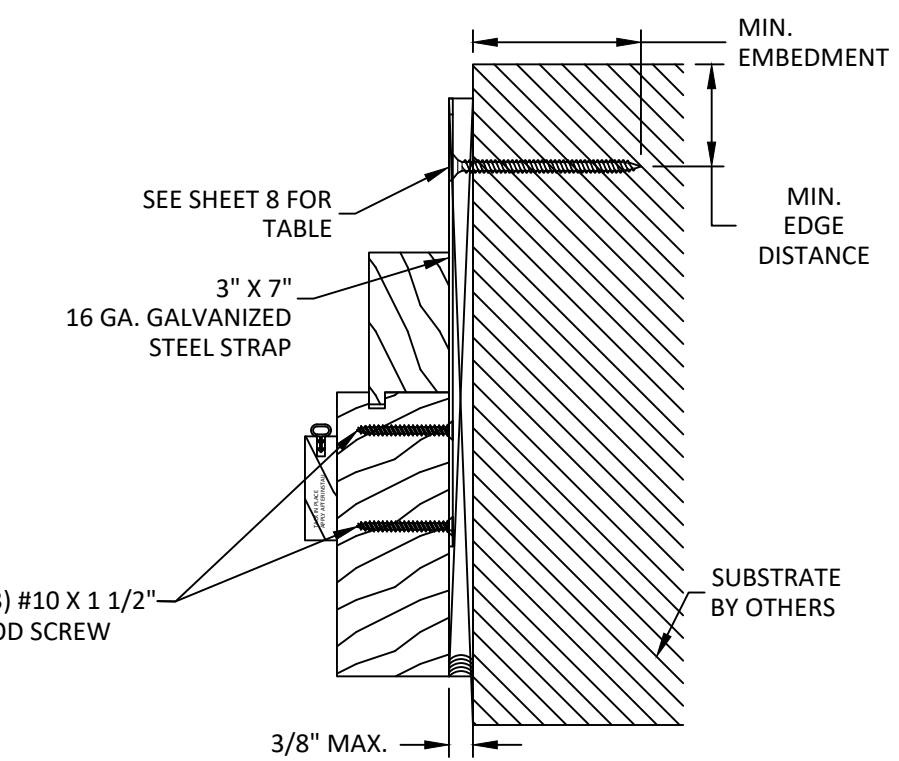
A
7

ANCHOR DETAIL
THROUGH FRAME - HEAD
NOTE: SAME AT JAMB



B
7

ANCHOR DETAIL
HRS12 STRAP - JAMB
NOTE: SAME AT HEAD

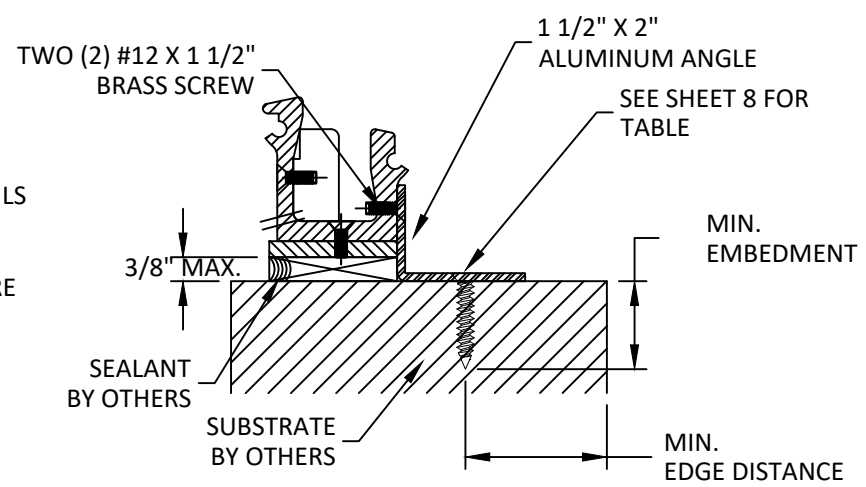


C
7

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 $\pm 1/2$ 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 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.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
- 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

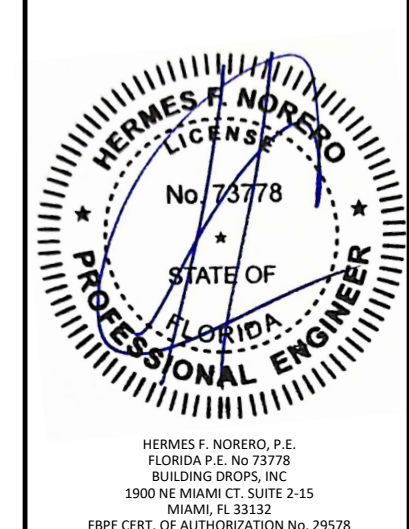


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AVENEL, NEW JERSEY 07001
PH: (732) 726-9400

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	PREPARED BY: B.D. BUILDING DROPS	BUILDING DROPS, INC. 1900 NE MIAMI CT. SUITE 2-15 MIAMI, FL 33132 PH: (954) 399-8478 FAX: (954) 744-4738 WEB: www.buildingdrops.com

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SCALE:	NTS	
DWG. #:	ADW007	
SHEET:	7	REV. A

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 SCREW	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"



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

TITLE:
8000 INSWING WOOD DOOR
(HVHZ) (IMPACT)
ANCHOR SCHEDULE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-9478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
2026 CODE CHANGE	HJ	07/26

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HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL42125**

DATE: **04.05.23**

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

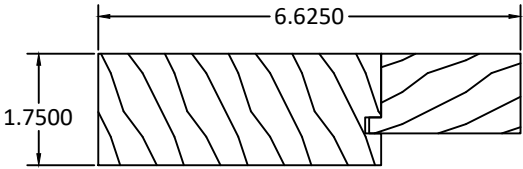
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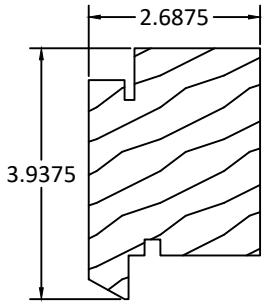
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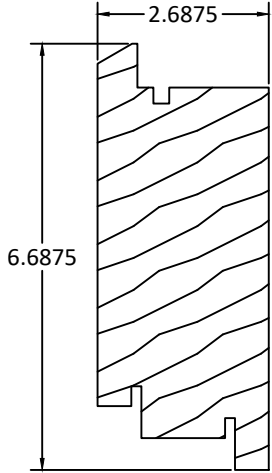
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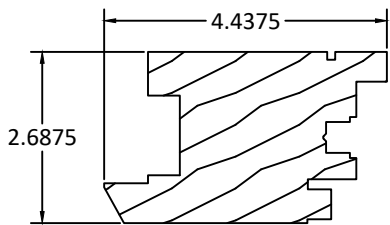
2 STILE & TOP RAIL



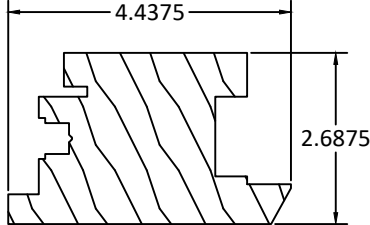
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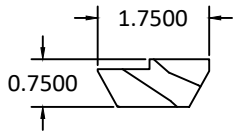
4 ACTIVE MEETING STILE



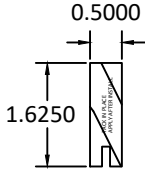
5 INACTIVE MEETING STILE



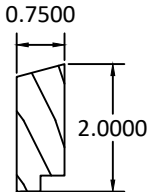
6 ASTRAGAL



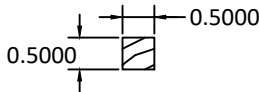
7 STOP



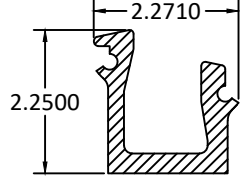
8 SILL DRIP CAP



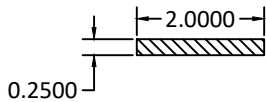
9 GLASS STOP



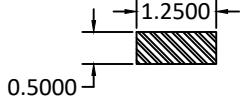
10 THRESHOLD



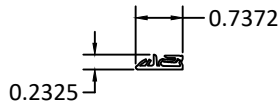
11 BRASS PLATE



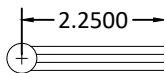
12 REINFORCEMENT PLATE



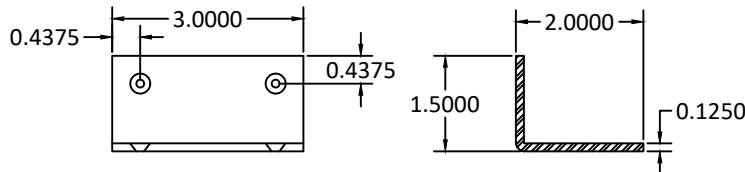
13 WEATHER SEAL SP 7718



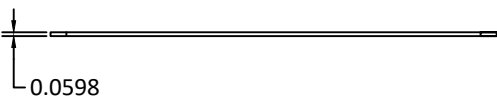
14 BALL BEARING BUTT HINGE
4 1/2" X 4 1/2"



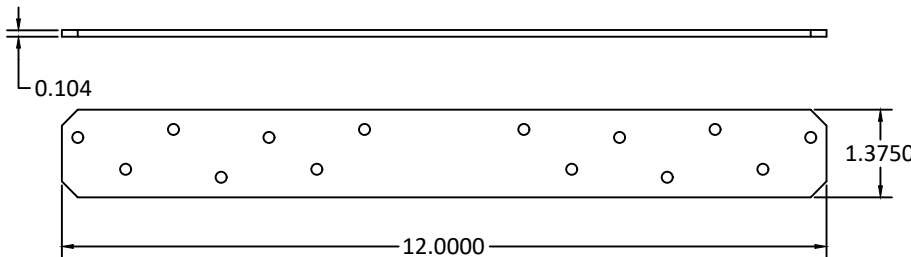
15 ALUMINUM ANGLE 1 1/2" X 2"



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

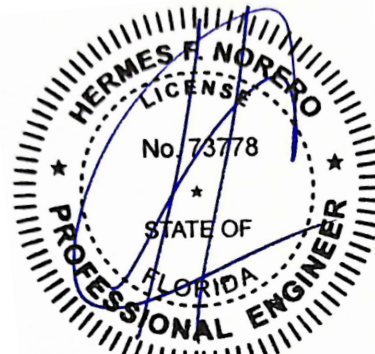


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	PREPARED BY:	BUILDING DROPS, INC. 1900 NE MIAMI CT, SUITE 2-15 MIAMI, FL 33132 PH: (954) 399-8478 FAX: (954) 744-4738 WEB: www.buildingdrops.com

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FL #:	FL42125	
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DWG. BY:	MG	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	ADW007	
SHEET:	9	REV. A