

ARTISTIC DOORS & WINDOWS, INC.

WOOD LIFT & SLIDE DOOR

(HVHZ) (IMPACT)

INSTALLATION NOTES:

- TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED ON SHEET 8.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 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.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAX. 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.
- 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).
 - * FASTENERS INSTALLED WITHIN 300 FEET OF A SALTWATER COASTLINE IN EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE STAINLESS STEEL PER SECTION 1711.1.1.1 (ASTM A240 TYPE 304, A305, 316, OR 410)**
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED UNVENTED SPACES SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
 - CONNECTORS AND METAL PLATES USED BETWEEN 300 AND 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED VENTED SPACES, EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE ENHANCED GALVANIZED PER SECTION 1711.1.2.2 (ASTM A653 G185, ASTM A123 AT 2.0 OZ/SF MIN, OR TPI 1 COATING).
 - * CONNECTORS AND METAL PLATES USED WITHIN 300 FEET OF A SALTWATER COASTLINE IN EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE STAINLESS STEEL PER SECTION 1711.1.2.1 (ASTM A240 TYPE 316).**
 - FASTENERS USED WITH CONNECTORS OR METAL PLATES SHALL HAVE A CORROSION-RESISTANT COATING OR COMPOSITION COMPATIBLE WITH THAT OF THE CONNECTOR/PLATE TO PREVENT GALVANIC CORROSION BETWEEN DISSIMILAR MATERIALS (SECTION 1711.1.1.3). EXCEPTION: FASTENERS AND CONNECTORS FULLY EMBEDDED IN CONCRETE OR MORTAR ARE EXEMPT FROM NOTES 6 AND 7 (SECTION 1711.1).
- 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.

GENERAL NOTES:

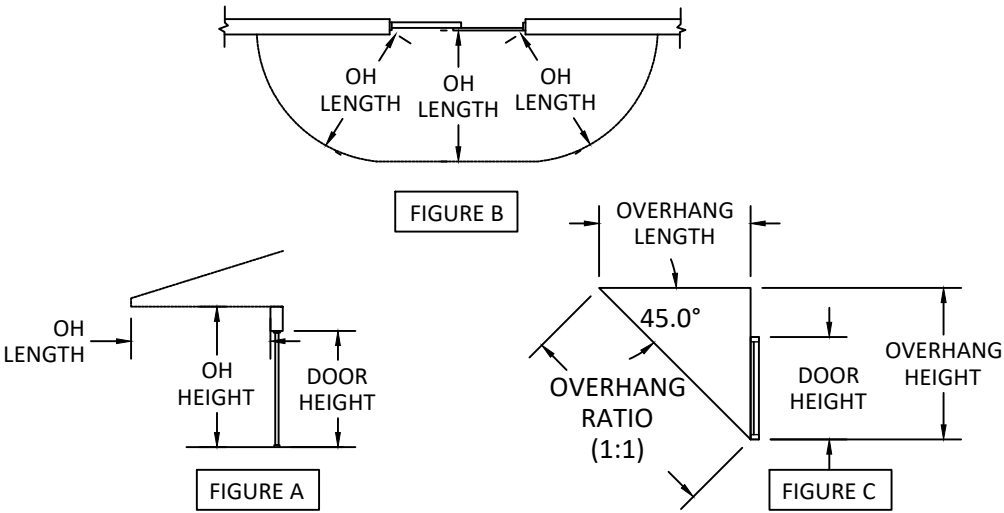
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND 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 ±1/2 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR FRAME MATERIAL: MAHOGANY
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.

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10	COMPONENTS

WATER TEST PRESSURE: 10.50 PSF

NOTE:
WHEN INSTALLED AT A LOCATION PROTECTED BY AN OVERHANG SUCH THAT

- OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥1.0, PRODUCT REQUIRES LIMITED WATER (LW) TESTING.



10 SOUTH INMAN AVENUE
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TITLE:
WOOD LIFT & SLIDE DOOR
(HVHZ)(IMPACT)

INSTALLATION & GENERAL NOTES

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



REMARKS	BY	DATE
2026 CODE CHANGE	HJ	7/26

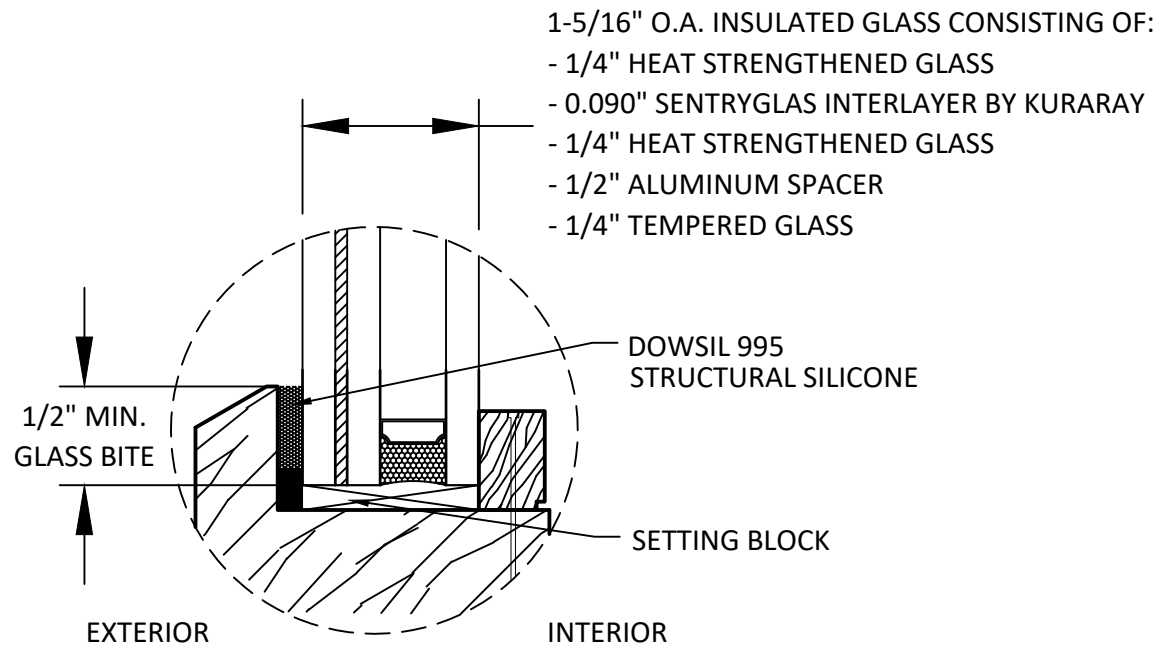
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Reason: I am approving this document
Date: 2025.10.11 17:09:52 -0400

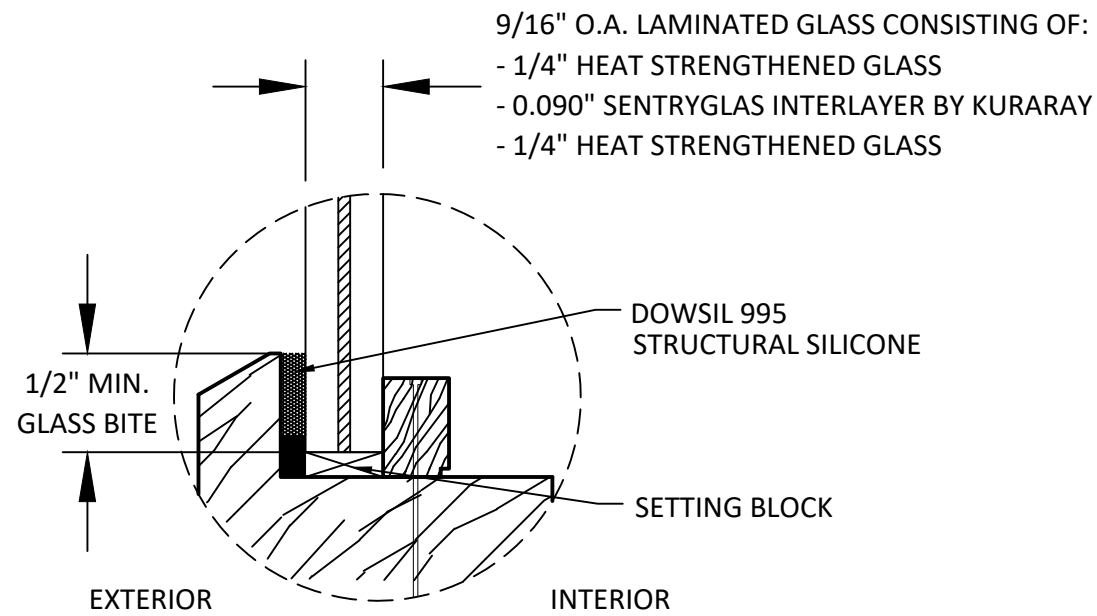


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SCALE:	NTS
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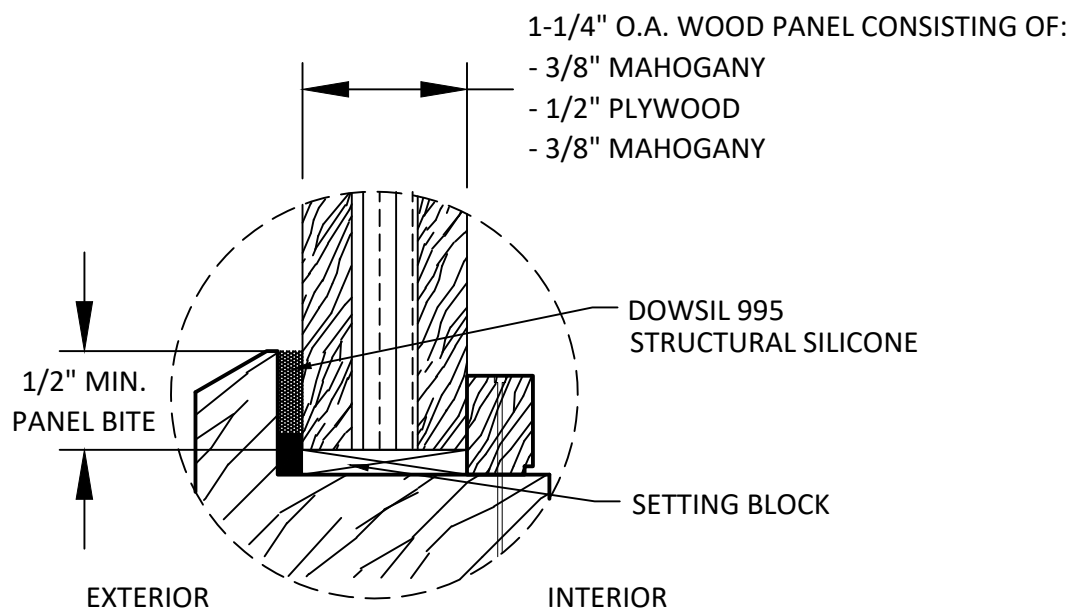
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GLAZING DETAIL 1



GLAZING DETAIL 2



GLAZING DETAIL 3

NOTE: WOOD PANEL D.L.O. AREA LIMITED TO 27.7 FT²

GLAZING NOTES:

1. GLASS TYPE AND THICKNESS COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, 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" AS PER FBC CHAPTER 24.
4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.



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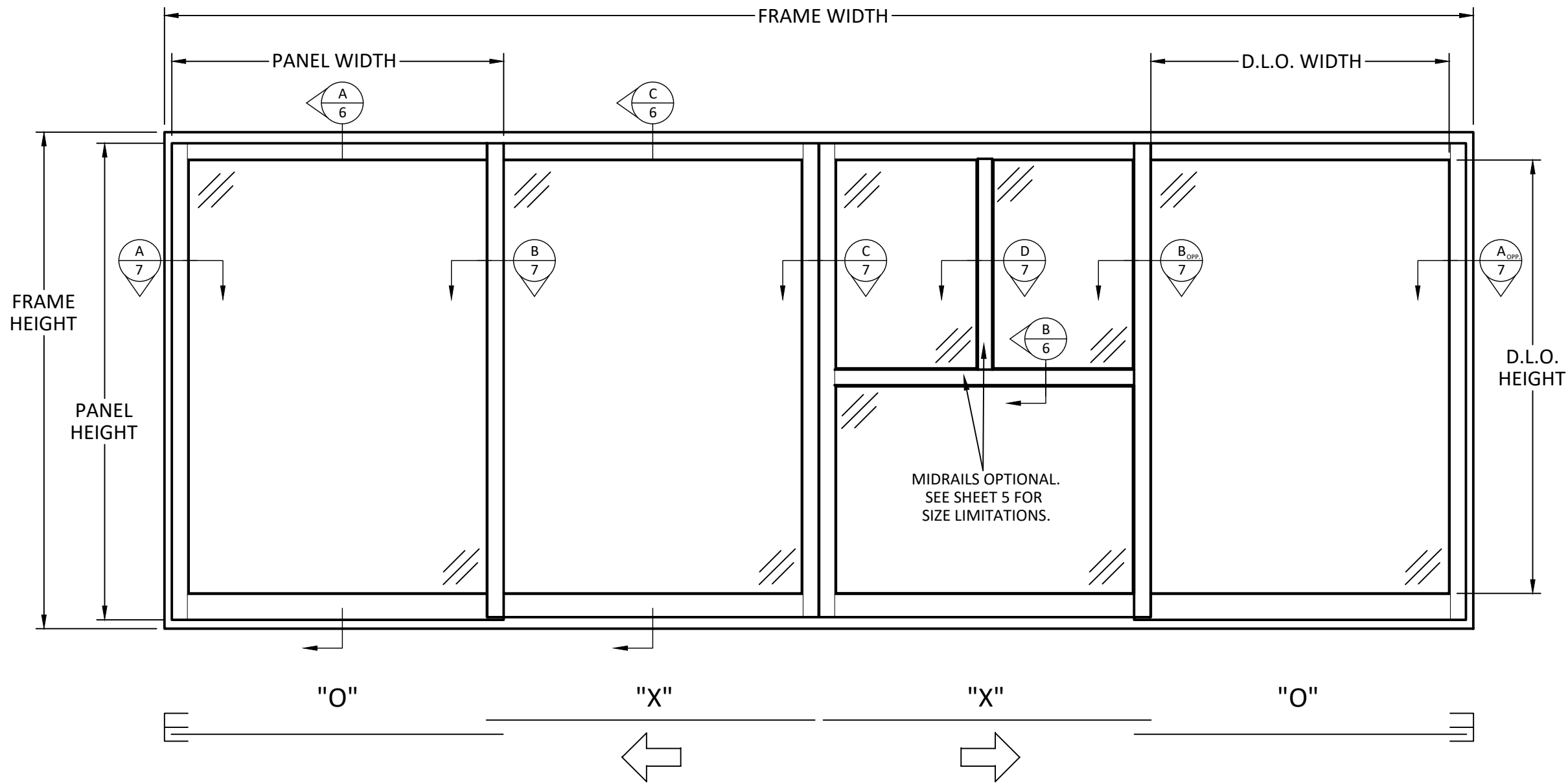
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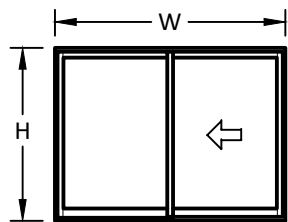
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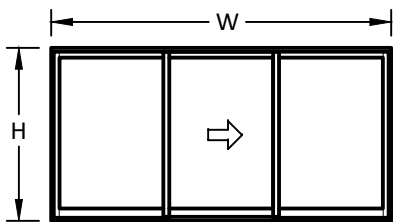


ELEVATION

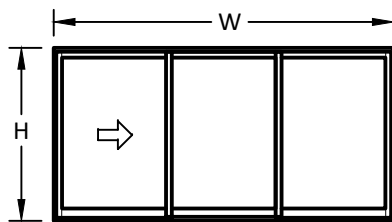
QUALIFIED CONFIGURATIONS



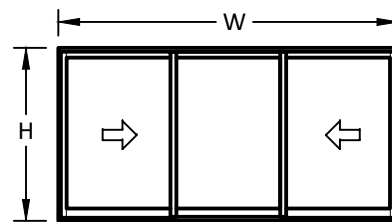
OX/XO



OXO



XO0



XOX

NOTE:

FRAME WIDTH = (PANEL WIDTH X NUMBER OF PANELS) - 4.625"

FRAME HEIGHT = PANEL HEIGHT + 5.75"

D.L.O. WIDTH = PANEL WIDTH - 8.50"

D.L.O. HEIGHT = PANEL HEIGHT - 10.25"



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ELEVATION AND QUALIFIED
CONFIGURATIONS

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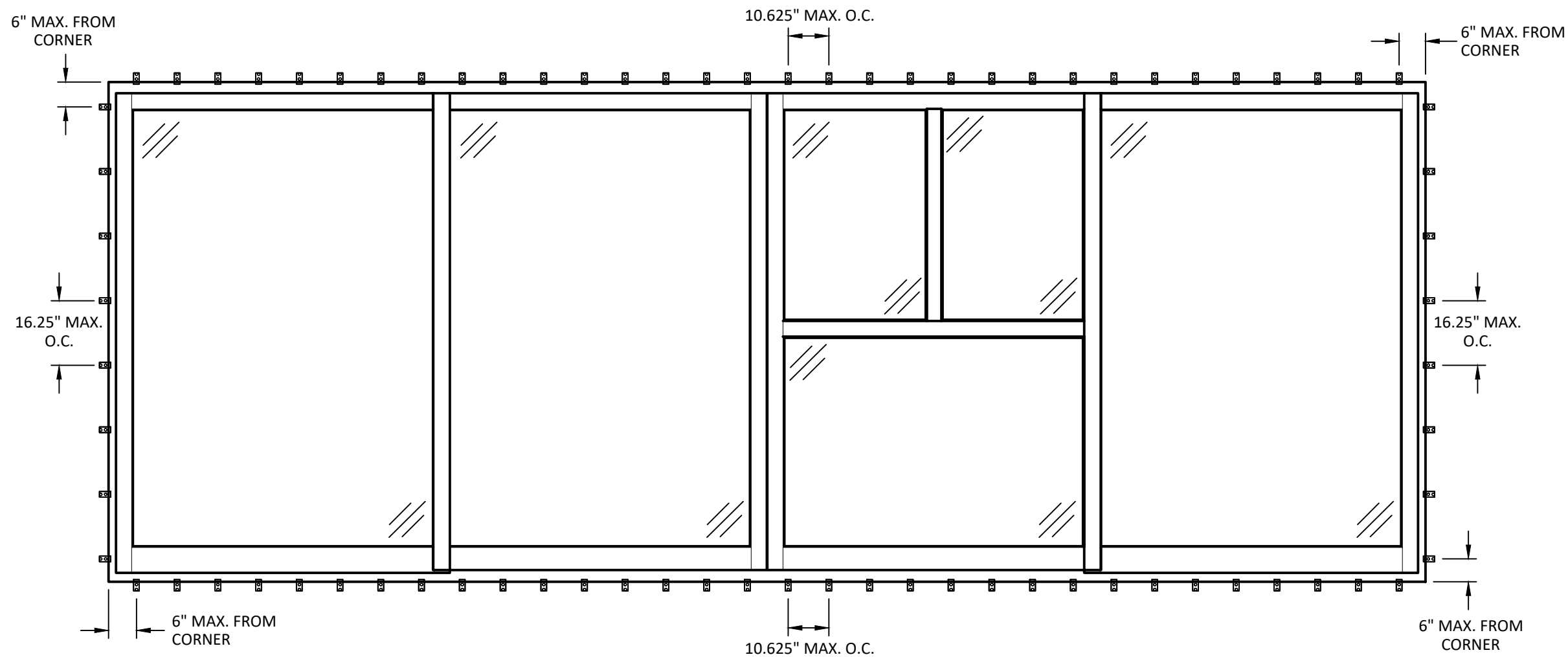
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ANCHOR LAYOUT

NOTE: SEE SHEET 8 FOR ANCHOR DETAILS AND ANCHOR SCHEDULE.



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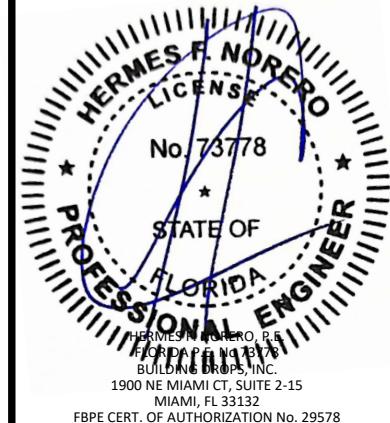
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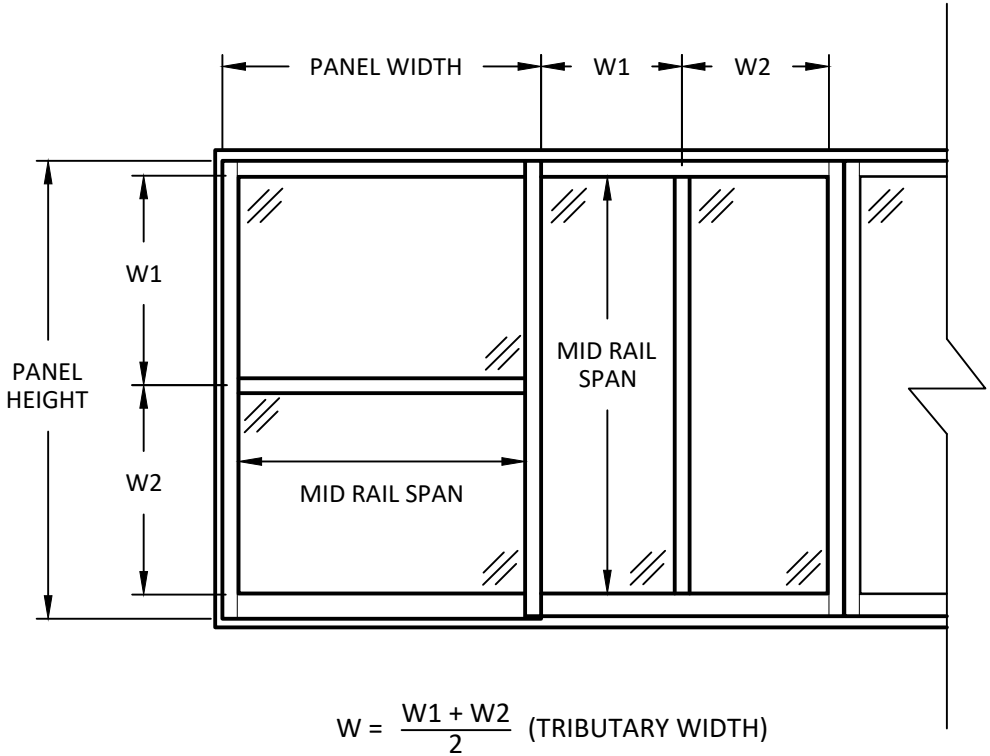
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DESIGN LOAD CAPACITY - PSF			
PANEL WIDTH	PANEL HEIGHT	EXT. (+)	INT. (-)
36	84	55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		55.0	55.0
78		55.0	55.0
84		55.0	55.0
90		55.0	55.0
96		53.8	53.8
102		48.1	48.1
108		43.5	43.5
114		39.7	39.7
36	90	55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		55.0	55.0
78		55.0	55.0
84		55.0	55.0
90		53.2	53.2
96		55.0	55.0
102		50.8	50.8
108		45.7	45.7
36	96	55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		55.0	55.0
78		55.0	55.0
84		55.0	55.0
90		51.0	51.0
96		49.4	49.4
102		52.8	52.8

NOTE: WATER INFILTRATION TESTED TO A POSITIVE DESIGN PRESSURE OF +70 PSF.

DESIGN LOAD CAPACITY - PSF			
PANEL WIDTH	PANEL HEIGHT	EXT. (+)	INT. (-)
36	102	55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		55.0	55.0
78		55.0	55.0
84		55.0	55.0
90		51.0	51.0
96		47.5	47.5
36	108	55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		55.0	55.0
78		55.0	55.0
84		55.0	55.0
90		51.0	51.0
36	114	55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		55.0	55.0
78		55.0	55.0
84		55.0	55.0
36	120	55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		55.0	55.0
78		55.0	55.0
84		55.0	55.0



NOTE:

FRAME WIDTH = (PANEL WIDTH X NUMBER OF PANELS) - 4.625"

FRAME HEIGHT = PANEL HEIGHT + 5.75"

D.L.O. WIDTH = PANEL WIDTH - 8.50"

D.L.O. HEIGHT = PANEL HEIGHT - 10.25"

LIMIT DESIGN LOADS FOR MID RAIL AS FOLLOWS		
MID RAIL SPAN (in.)	W - TRIB. WIDTH (in.)	MAX DESIGN LOADS (+/- PSF)
27.5	36.875	55.0
33.5		55.0
39.5		55.0
45.5		55.0
51.5		55.0
57.5		55.0
63.5		55.0
69.5		55.0
75.5		55.0
27.5	42.875	55.0
33.5		55.0
39.5		55.0
45.5		55.0
51.5		55.0
57.5		55.0
63.5		55.0
69.5		55.0
75.5		55.0
27.5	48.875	55.0
33.5		55.0
39.5		55.0
45.5		55.0
51.5		55.0
57.5		55.0
63.5		55.0
69.5		55.0
75.5		55.0
27.5	54.875	55.0
33.5		55.0
39.5		55.0
45.5		55.0
51.5		55.0
57.5		55.0
63.5		55.0
69.5		55.0
75.5		55.0



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DESIGN PRESSURE TABLES

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REMARKS

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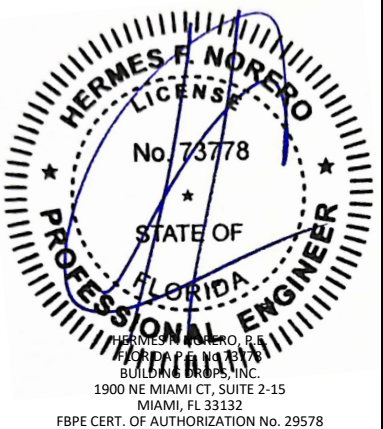
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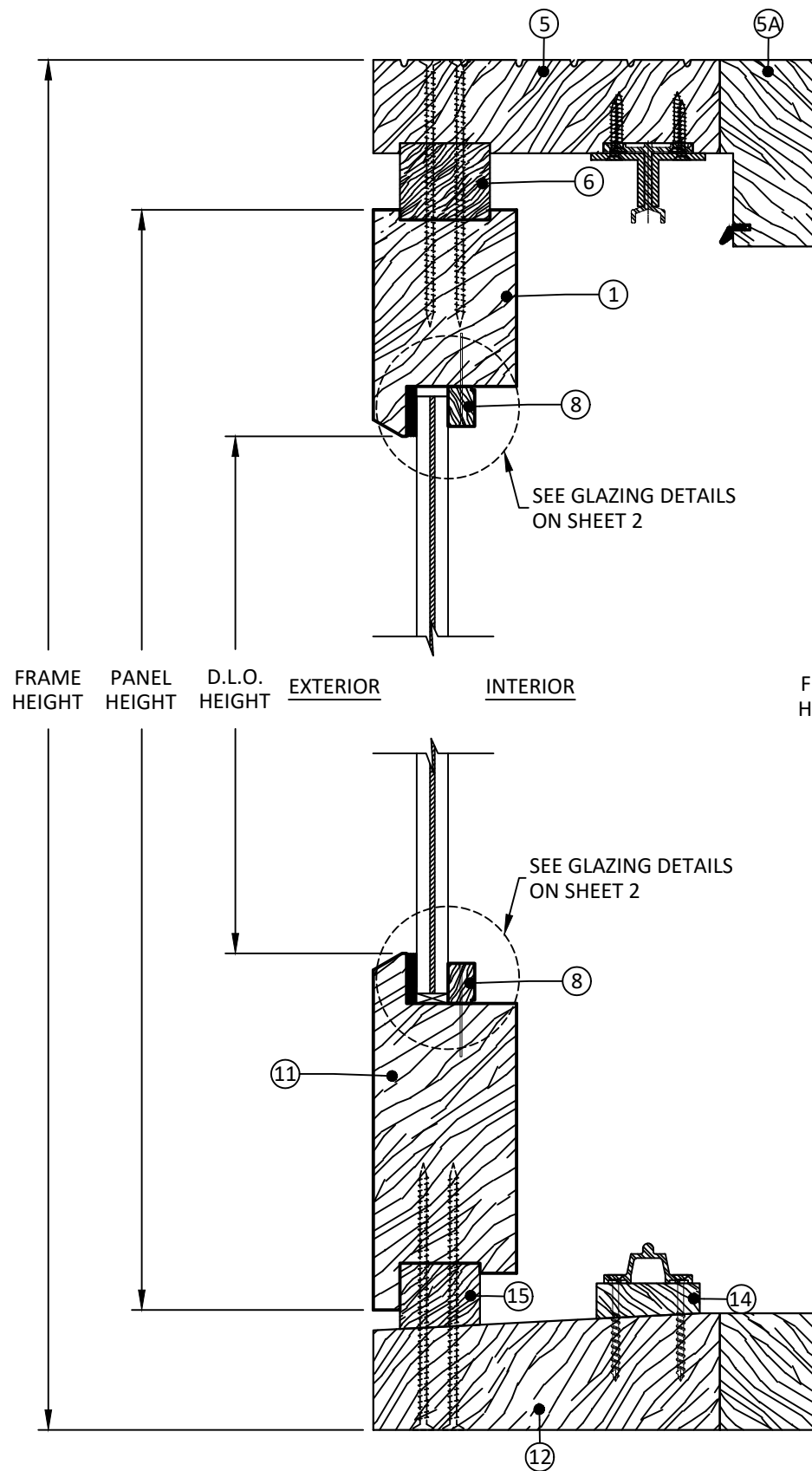
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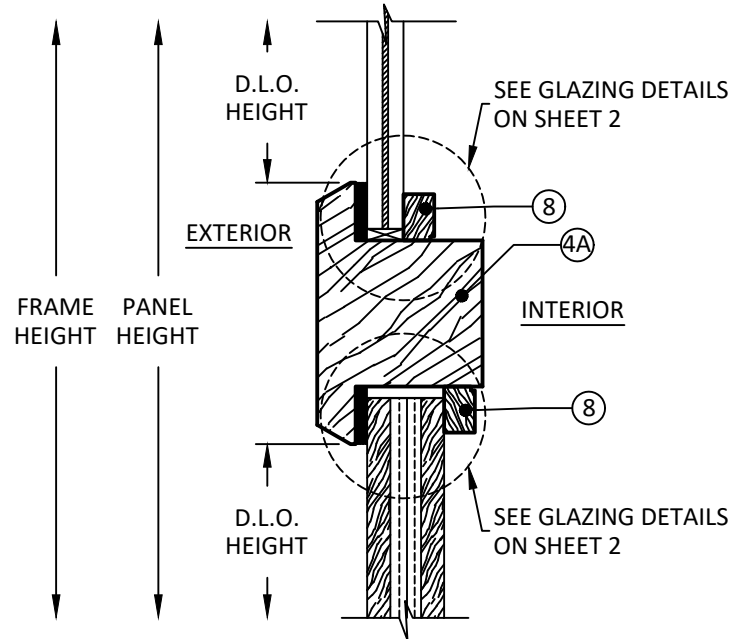
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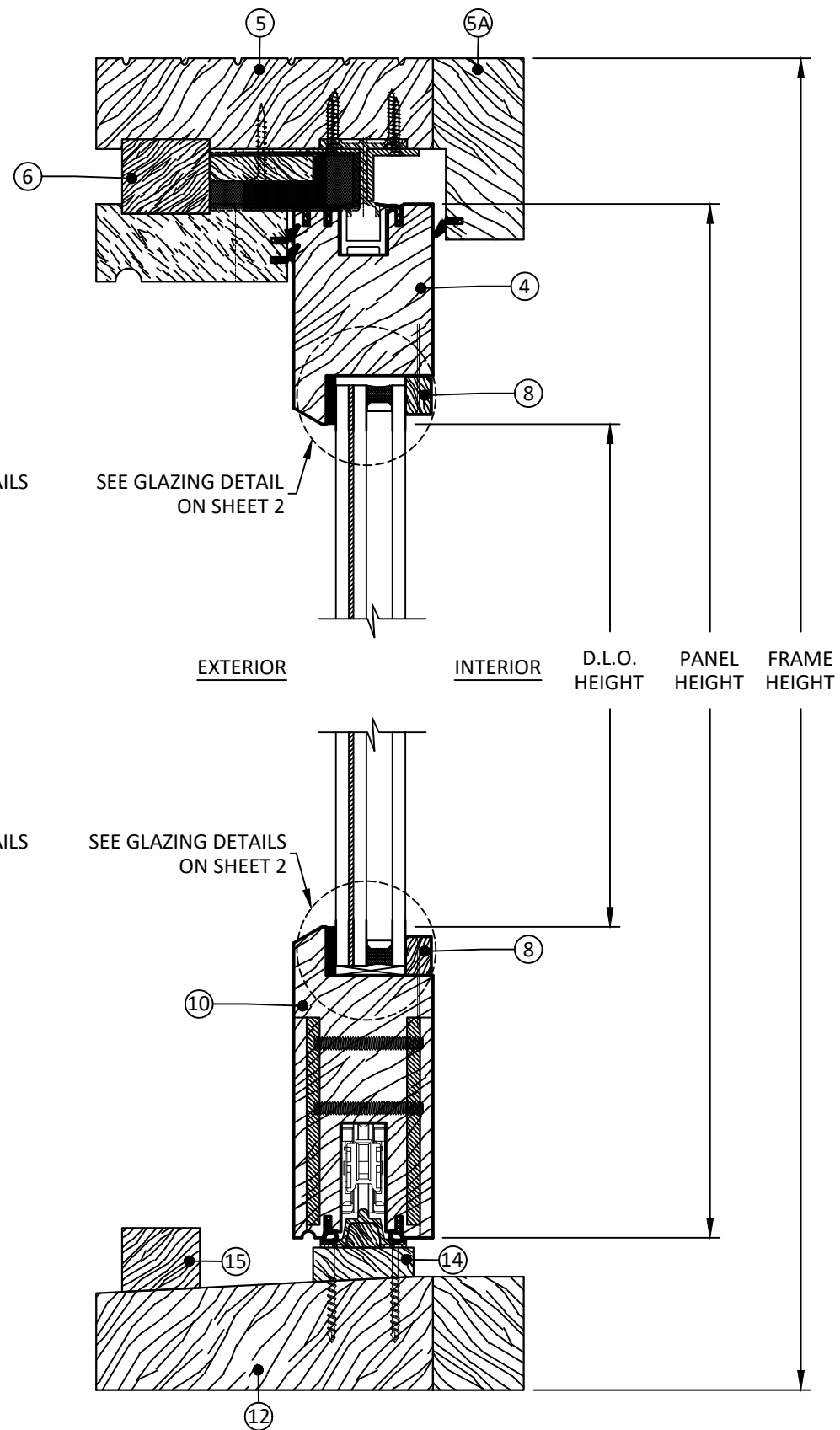
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A
6
VERTICAL SECTION
FIXED PANEL



B
6
VERTICAL SECTION
MID RAIL



C
6
VERTICAL SECTION
ACTIVE PANEL



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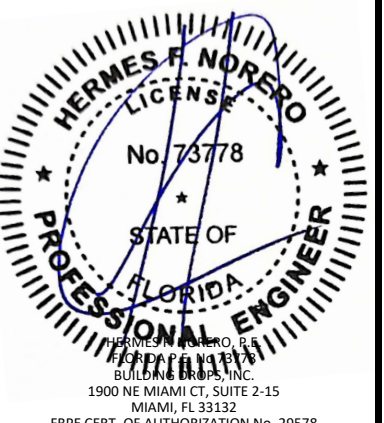
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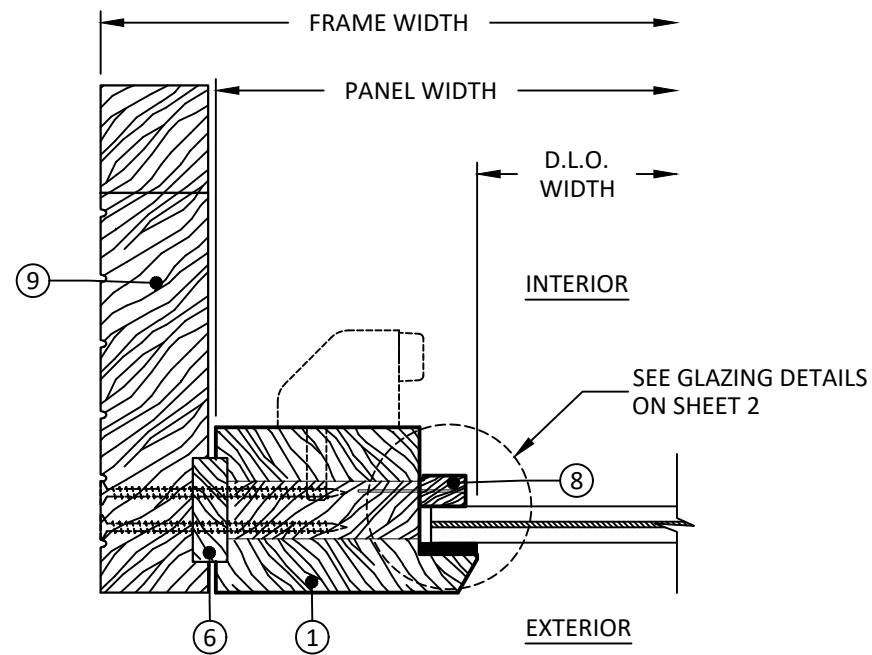
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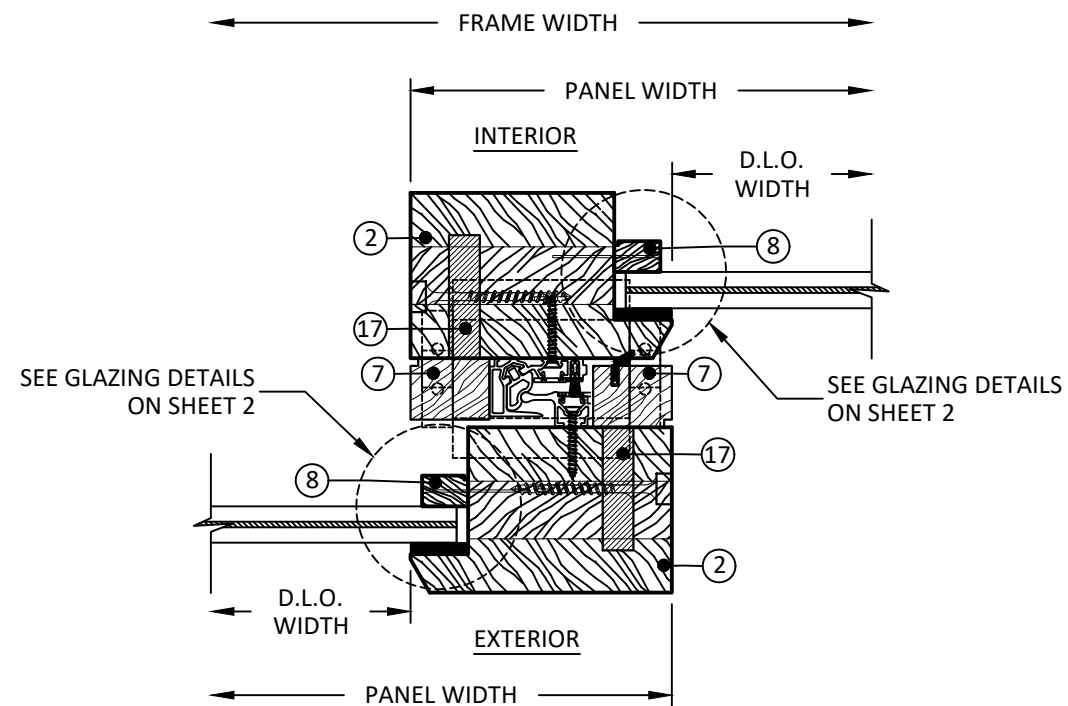


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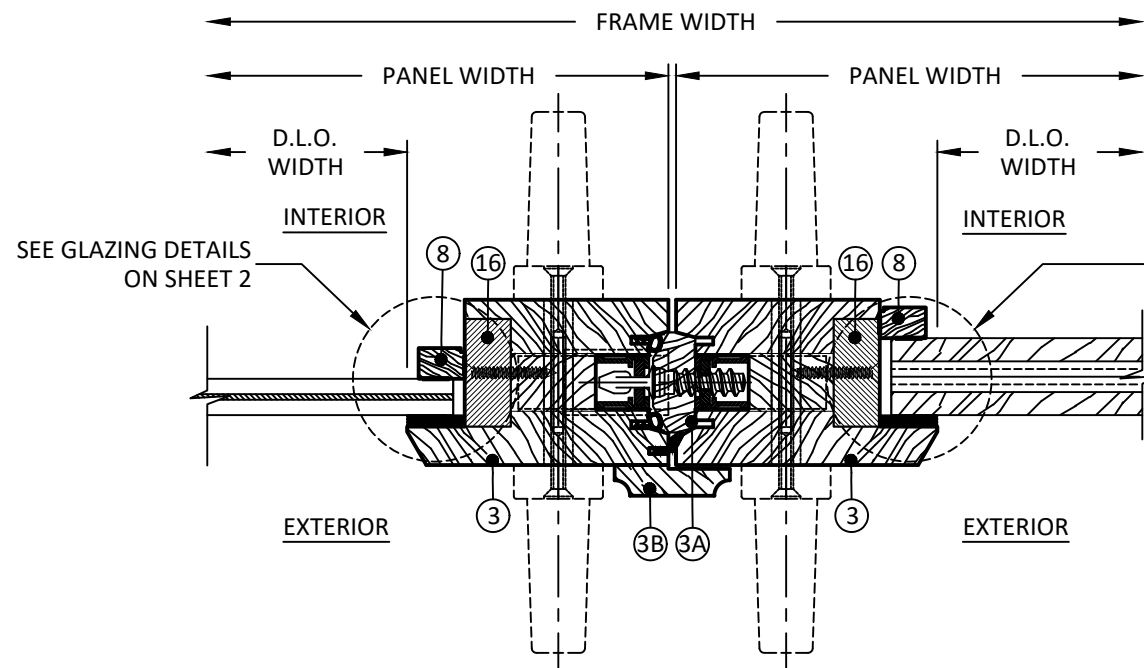
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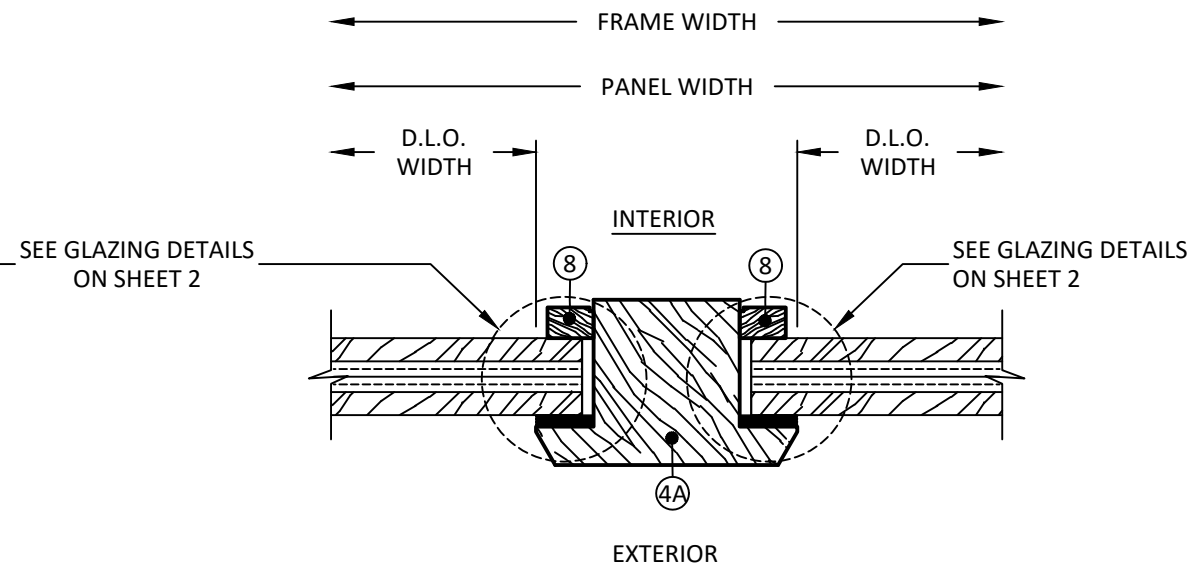
A
7 HORIZONTAL SECTION
FIXED JAMB



B
7 HORIZONTAL SECTION
INTERLOCK



C
7 HORIZONTAL SECTION
MEETING STILE



D
7 HORIZONTAL SECTION
MID RAIL



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HORIZONTAL SECTIONS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132

PH: (954)399-8478

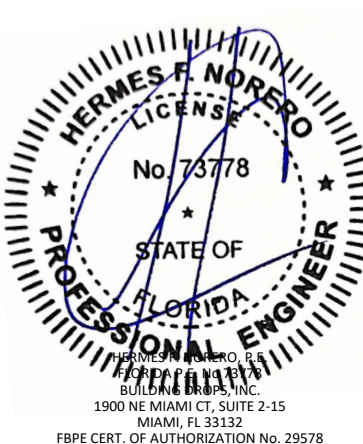
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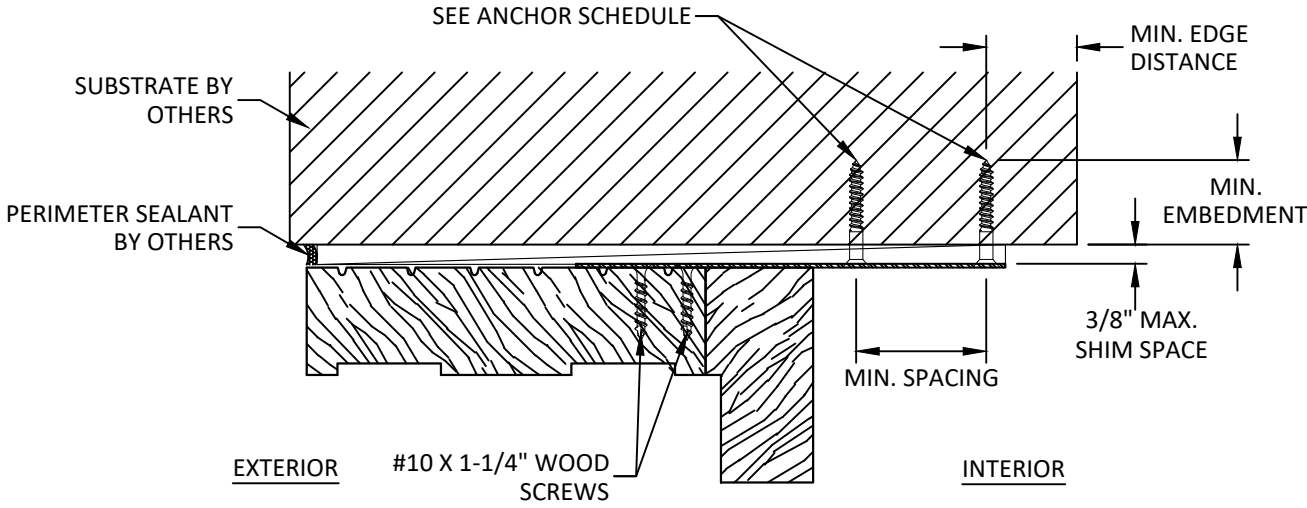
REMARKS	BY	DATE
2026 CODE CHANGE	HJ	7/26

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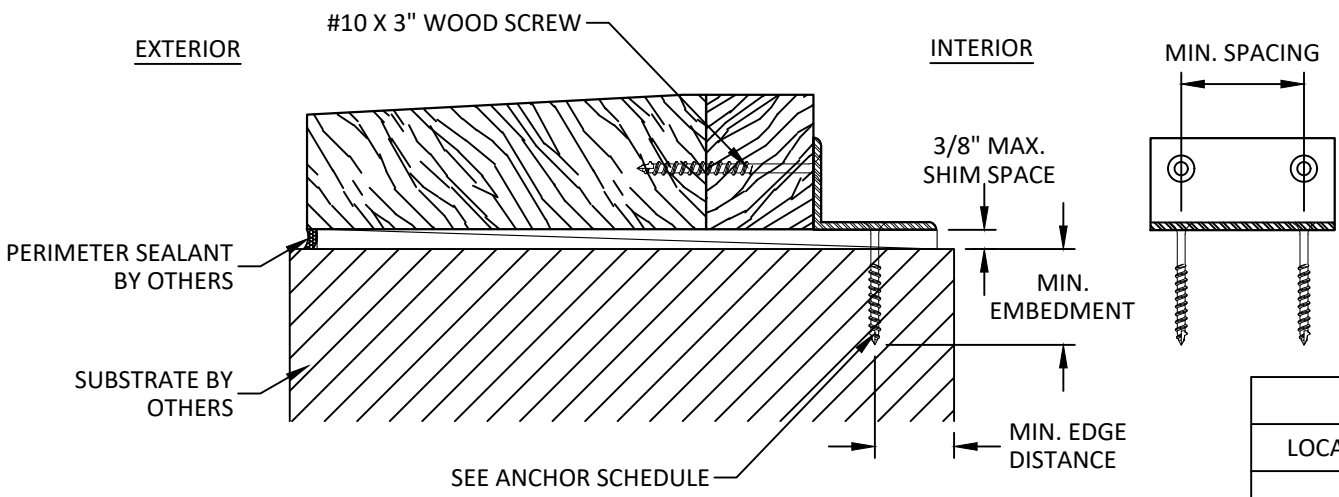


FL #:	FL47577
DATE:	05.14.25
DWG. BY:	DB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ADW011
SHEET:	7
REV.	A

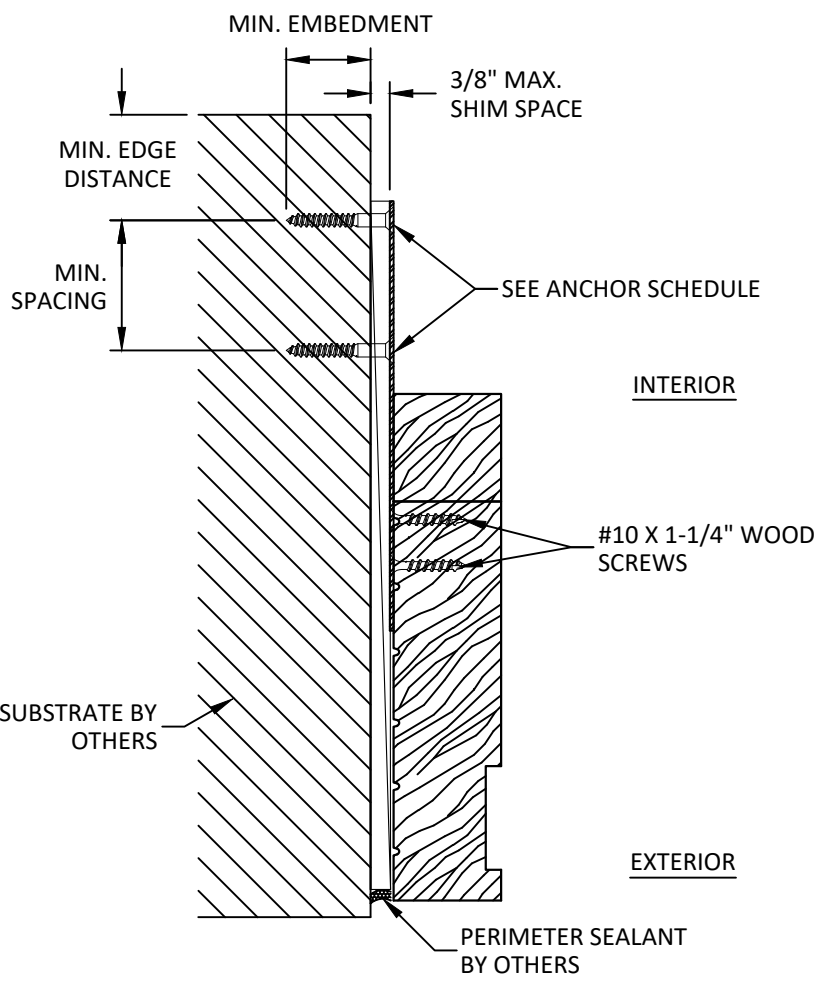
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A
8 **ANCHOR DETAIL**
STRAP INSTALLATION HEAD



B
8 **ANCHOR DETAIL**
ANGLE INSTALLATION SILL



C
8 **ANCHOR DETAIL**
STRAP INSTALLATION JAMB

ANCHOR SCHEDULE					
LOCATION	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MIN. SPACING
STRAP/ANGLE	WOOD: MIN. S.G. = 0.55	#12 WOOD SCREW OR #12 GRK R4 SS SCREW*	1.75"	0.75"	2.00"
	STEEL: MIN. 18 GA. MIN. Fy = 36 ksi	#12 (MIN. GRADE 5) SELF-DRILLING SCREW OR #12 DEWALT BIFLEX SS*	3 THREADS MIN. PENETRATION BEYOND METAL	0.50"	
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5				
	CONCRETE: MIN. f'c = 3000 psi	1/4" ITW TAPCON OR 1/4" CRETE-FLEX SS*	1"	2.50"	
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI				



10 SOUTH INMAN AVENUE
AVENEL, NJ 07001
PH: +1 (800) 278-3667

TITLE: WOOD LIFT & SLIDE DOOR (HVHZ)(IMPACT)

ANCHOR DETAILS

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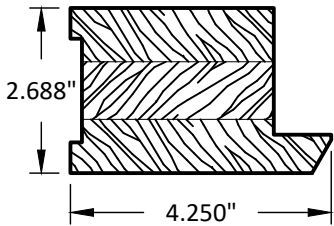
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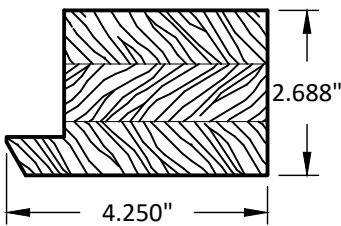
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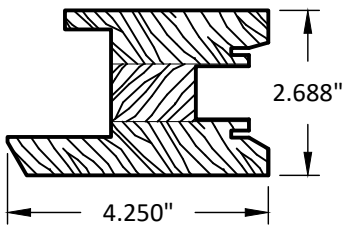
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	FIXED STILE, TOP RAIL	MAHOGANY WOOD
2	LOCK STILE	MAHOGANY WOOD
3	ACTIVE STILE	MAHOGANY WOOD
3A	ASTRAGAL	MAHOGANY WOOD
3B	LOCK STILE PLUG	MAHOGANY WOOD
4	OPERABLE TOP RAIL	MAHOGANY WOOD
4A	MID RAIL/ MID STILE	MAHOGANY WOOD
5	FRAME HEAD	MAHOGANY WOOD
5A	INTERIOR DOOR STOP	MAHOGANY WOOD
6	FRAME SPACERS	MAHOGANY WOOD
7	INTERLOCK PART	MAHOGANY WOOD
8	GLASS BEAD	MAHOGANY WOOD
9	FRAME LEGS	MAHOGANY WOOD
10	OPERABLE BOTTOM RAIL	MAHOGANY WOOD
11	FIXED BOTTOM RAIL	MAHOGANY WOOD
12	FRAME SILL	MAHOGANY WOOD
13	EXTERIOR DOOR STOP	MAHOGANY WOOD
14	SUPPORT OPERABLE DOOR	MAHOGANY WOOD
15	SUPPORT FIXED DOOR	MAHOGANY WOOD
16	MEETING STILE REINFORCEMENT	STEEL
17	INTERLOCK REINFORCEMENT	STEEL



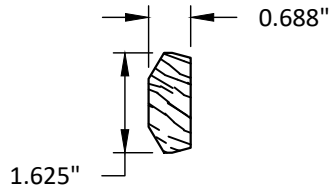
1 FIXED STILE TOP RAIL



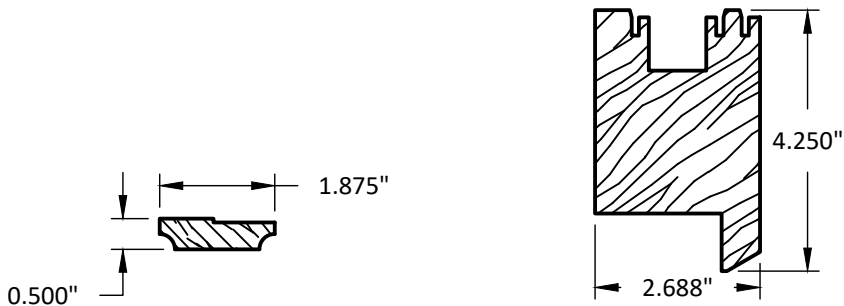
2 LOCK STILE



3 ACTIVE STILE

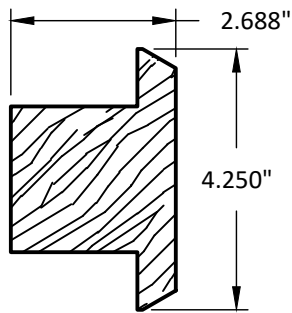


3A LOCK STILE PLUG

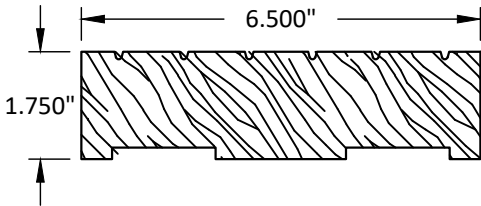


3B ASTRAGAL

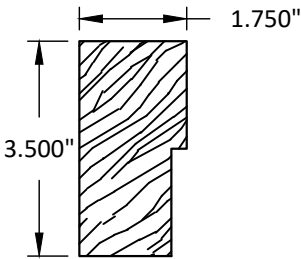
4 OPERABLE TOP RAIL



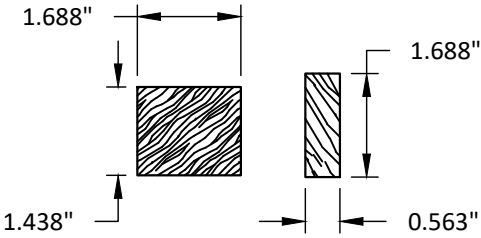
4A MID RAIL



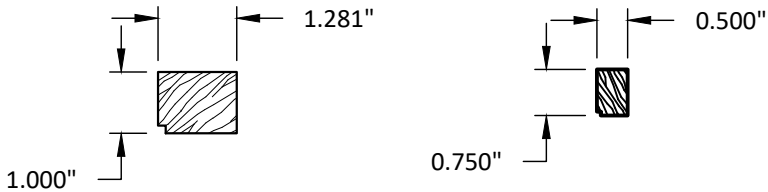
5 FRAME HEAD



5A INTERIOR DOOR STOP

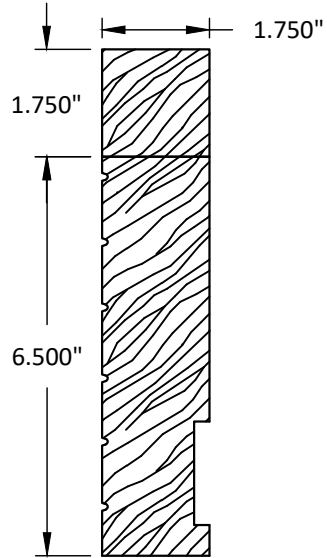


6 FRAME SPACERS

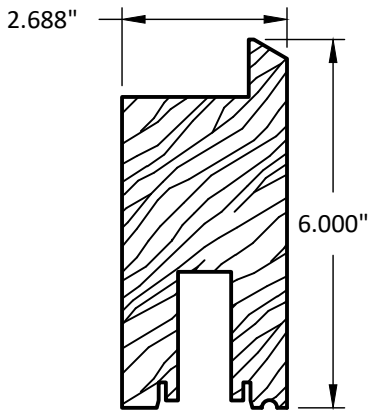


7 INTERLOCK PART

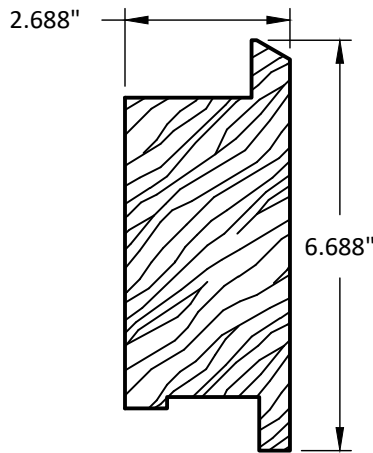
8 GLASS BEAD



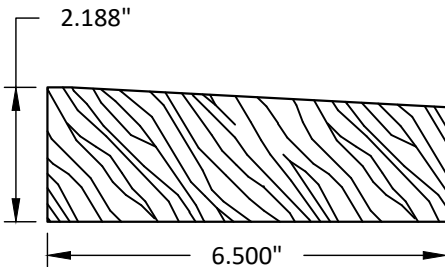
9 FRAME LEGS



10 OPERABLE BOTTOM RAIL



11 FIXED BOTTOM RAIL



12 FRAME SILL



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COMPONENTS

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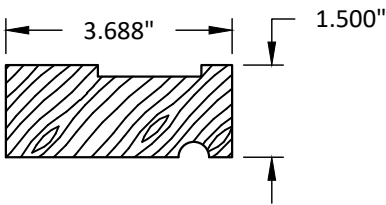
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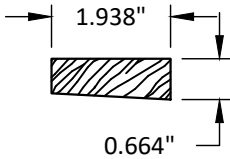


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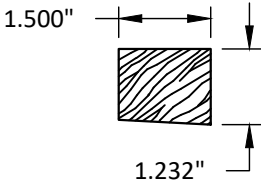
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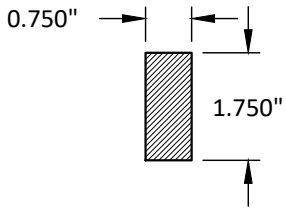
13 EXTERIOR DOOR STOP



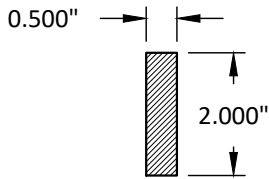
14 SUPPORT OPERABLE DOOR



15 SUPPORT FIXED DOOR



16 MEETING STILE REINFORCEMENT



17 INTERLOCK REINFORCEMENT



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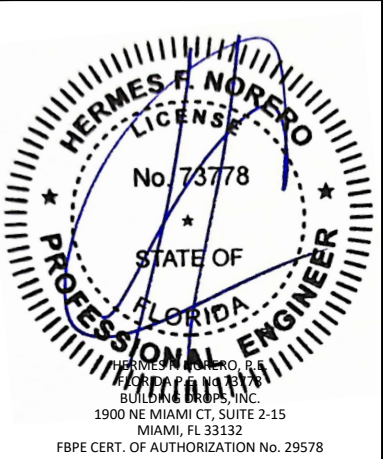
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