

ARCADIA CUSTOM

T225 - OUTSWING FRENCH/SINGLE DOOR

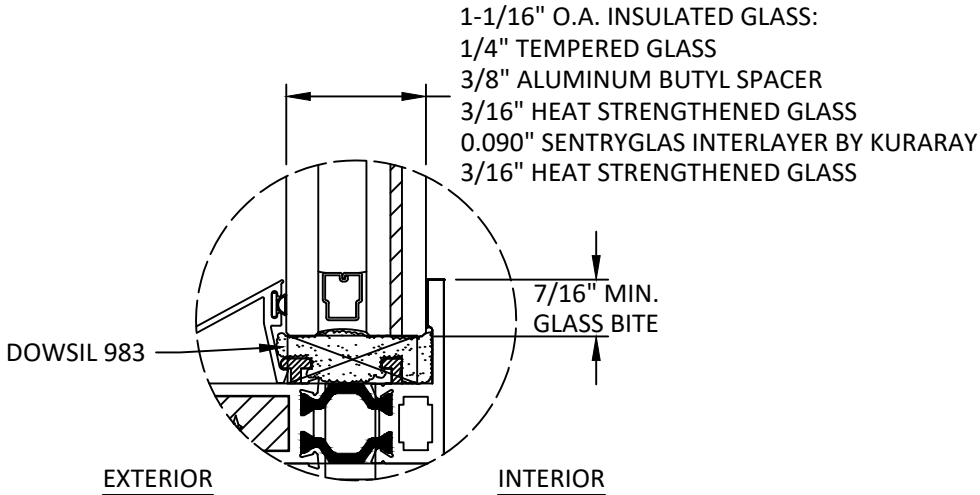
(HVHZ) (IMPACT)

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:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - ASTM E283/E283M-19
 - ASTM E330/E330M-14(21)
 - ASTM E331-00(16)
 - ASTM E1886-19
 - ASTM E1996-20
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X 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.
- 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** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: ALUMINUM (MIN. 6063-T5).
- ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
- GLASS MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

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5	HORIZONTAL SECTIONS
6	INSTALLATION DETAILS AND NOTES

DESIGN PRESSURE RATING		
FRAME SIZE	DESIGN PRESSURE	MISSILE RATING
SEE SHEET 2		LARGE AND SMALL MISSILE IMPACT



GLAZING DETAIL

- 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 SHEET 2.



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GENERAL NOTES & GLAZING DETAIL

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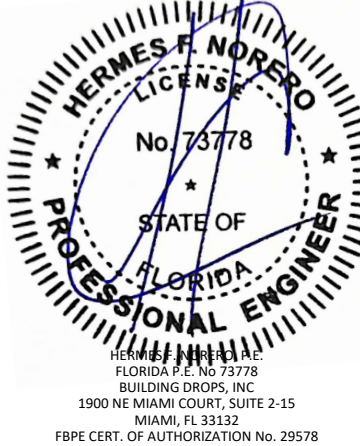
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REMARKS	BY	DATE

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Reason: I am approving this document
Date: 2025.12.10 18:31:06 -05'00'



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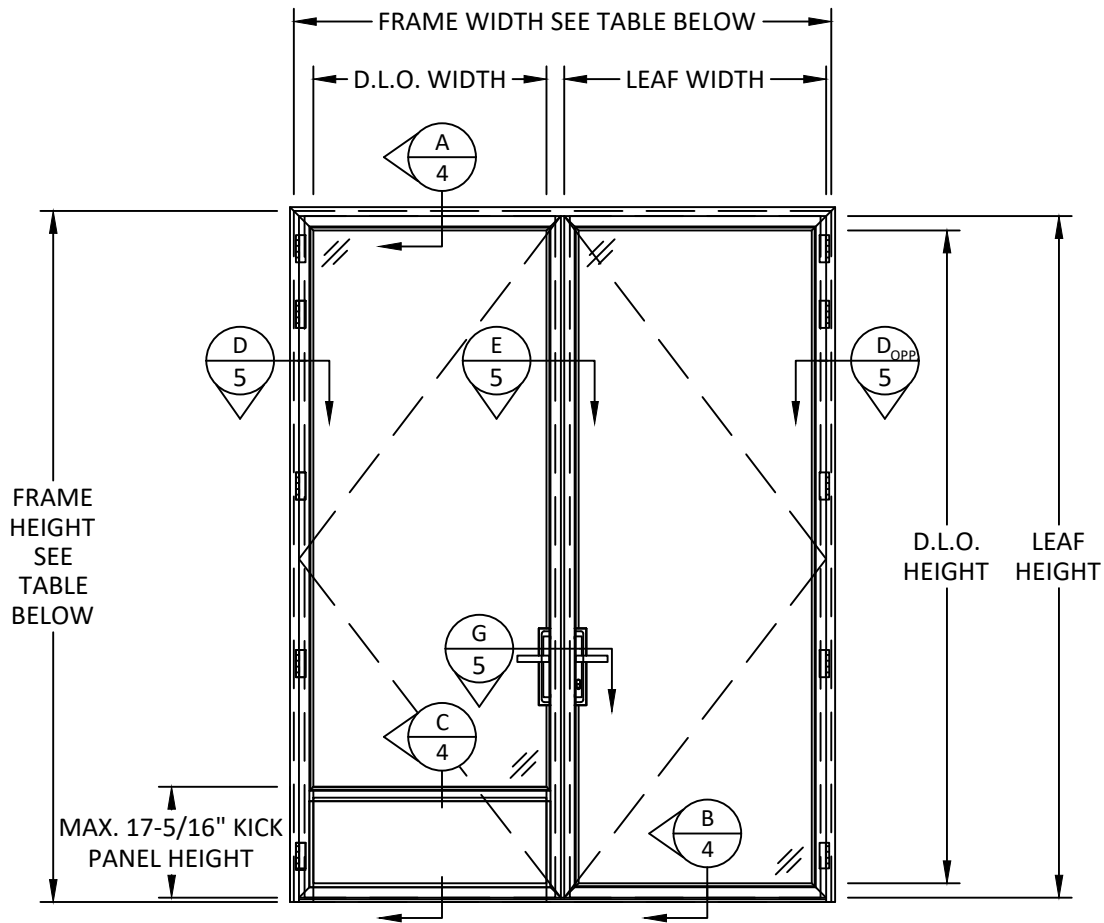
DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ADC020**

SHEET: **1**

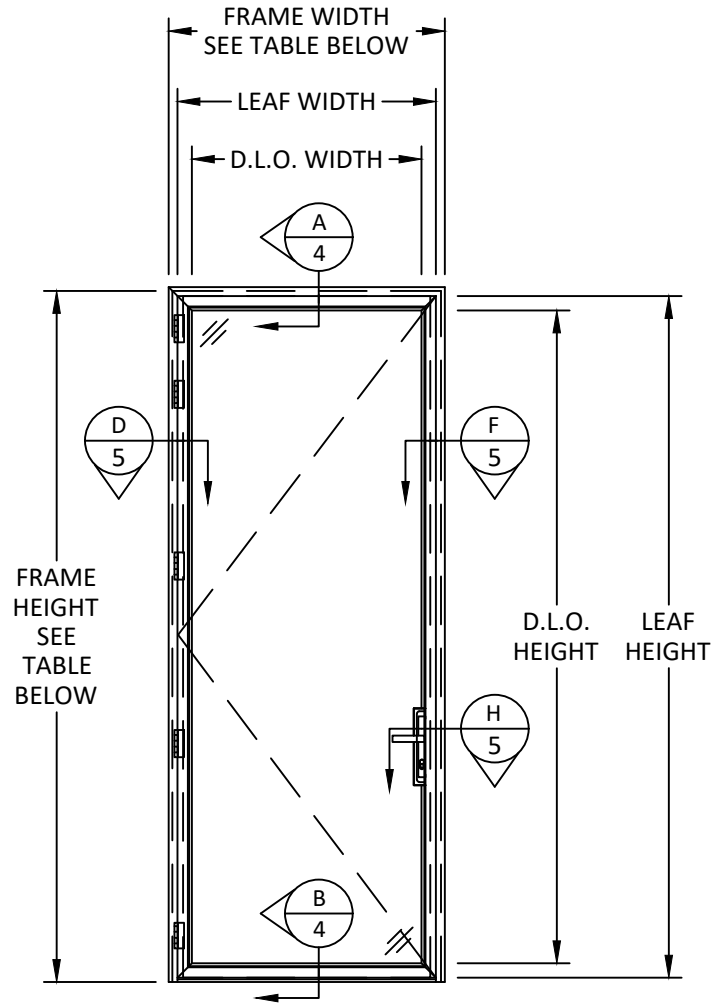
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TYPICAL ELEVATION
FRENCH DOOR

LEAF HEIGHT = FRAME HEIGHT - 1 15/32"
FRENCH DOOR LEAF WIDTH = FRAME WIDTH/2 - 1 1/16"
SINGLE DOOR LEAF WIDTH = FRAME WIDTH - 1 5/8"

D.L.O. HEIGHT = FRAME HEIGHT - 5 31/32"
FRENCH DOOR D.L.O. WIDTH = FRAME WIDTH/2 - 5 9/16"
SINGLE DOOR D.L.O. WIDTH = FRAME WIDTH - 6 1/8"



TYPICAL ELEVATION
SINGLE DOOR

DESIGN PRESSURE TABLE (+/- PSF) - FRENCH DOOR											
FRAME HEIGHT (IN.)	FRAME WIDTH (IN.)										
	48	54	60	66	72	78	84	90	96	102	108
80	70.00	70.00	70.00	70.00	70.00	70.00	70.00	52.75	40.51	31.61	25.03
84	70.00	70.00	70.00	70.00	70.00	70.00	70.00	52.75	40.51	31.61	-
90	70.00	70.00	70.00	70.00	70.00	70.00	70.00	52.75	40.51	-	-
96	70.00	70.00	70.00	70.00	70.00	70.00	70.00	52.75	-	-	-
102	70.00	70.00	70.00	70.00	70.00	70.00	70.00	-	-	-	-
108	70.00	70.00	70.00	70.00	70.00	70.00	70.00	-	-	-	-

DESIGN PRESSURE TABLE (+/- PSF) - SINGLE DOOR												
FRAME HEIGHT (IN.)	FRAME WIDTH (IN.)											
	24	27	30	33	36	39	42	45	48	51	54	
80	70.00	70.00	70.00	70.00	70.00	70.00	70.00	52.75	40.51	31.61	25.03	
84	70.00	70.00	70.00	70.00	70.00	70.00	70.00	52.75	40.51	31.61	-	
90	70.00	70.00	70.00	70.00	70.00	70.00	70.00	52.75	40.51	-	-	
96	70.00	70.00	70.00	70.00	70.00	70.00	70.00	52.75	-	-	-	
102	70.00	70.00	70.00	70.00	70.00	70.00	70.00	-	-	-	-	
108	70.00	70.00	70.00	70.00	70.00	70.00	70.00	-	-	-	-	
114	70.00	70.00	70.00	70.00	70.00	70.00	-	-	-	-	-	
120	70.00	70.00	70.00	70.00	70.00	-	-	-	-	-	-	
126	70.00	70.00	70.00	70.00	-	-	-	-	-	-	-	
132	70.00	70.00	70.00	-	-	-	-	-	-	-	-	
138	70.00	70.00	70.00	-	-	-	-	-	-	-	-	
144	70.00	70.00	-	-	-	-	-	-	-	-	-	
156	70.00	70.00	-	-	-	-	-	-	-	-	-	
168	70.00	70.00	-	-	-	-	-	-	-	-	-	

NOTE:
1. ADDITIONAL HINGES AND LOCK POINTS SHALL BE REQUIRED FOR DOOR TALLER THAN 108" TO MAINTAIN THE SAME MAXIMUM SPACING BETWEEN HINGES AND LOCK POINTS AS THE 108" TALL DOOR.
2. IN AREAS THAT REQUIRE WATER INFILTRATION, THE DOOR IS LIMITED FOR A MAXIMUM DESIGN PRESSURE OF THE LESSER VALUE BETWEEN +50/-70 PSF AND VALUES IN THE TABLES ON THIS SHEET.
3. WHEN THE PRODUCT IS INSTALLED IN AREAS DON'T REQUIRE WATER INFILTRATION OR IS PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO (OH LENGTH ÷ OH HEIGHT) ≥ 1.0, THE DESIGN PRESSURE IS NOT LIMITED.



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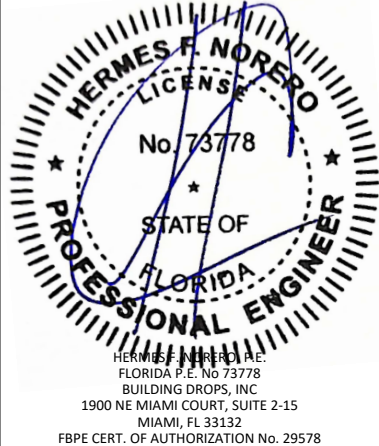
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TYPICAL ELEVATIONS &
DESIGN PRESSURE TABLE

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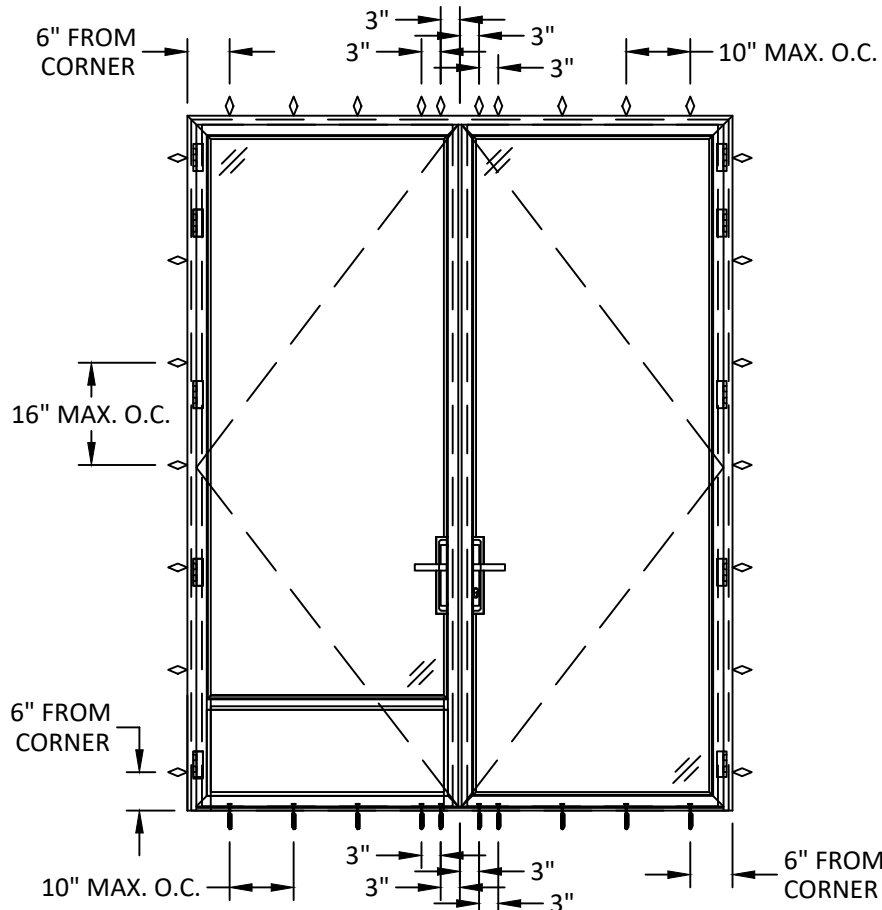
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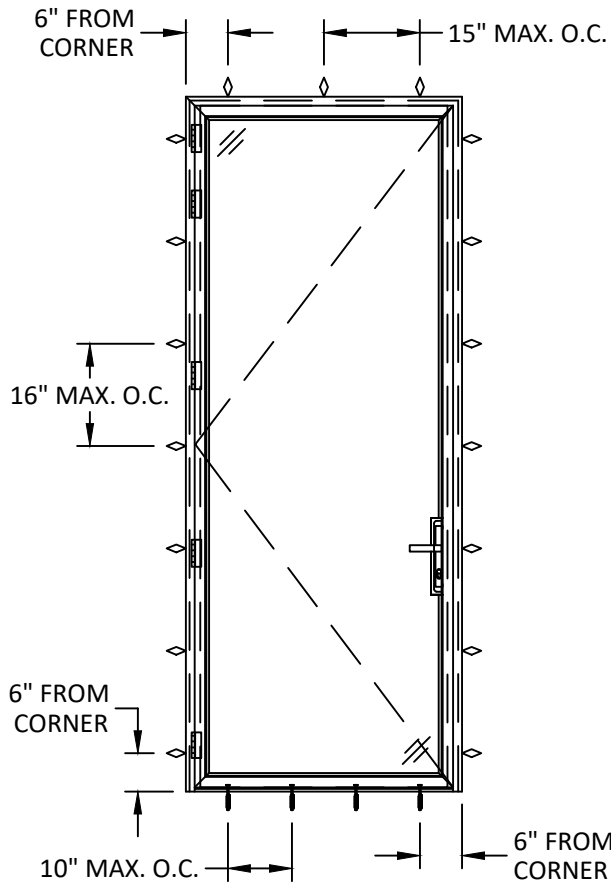
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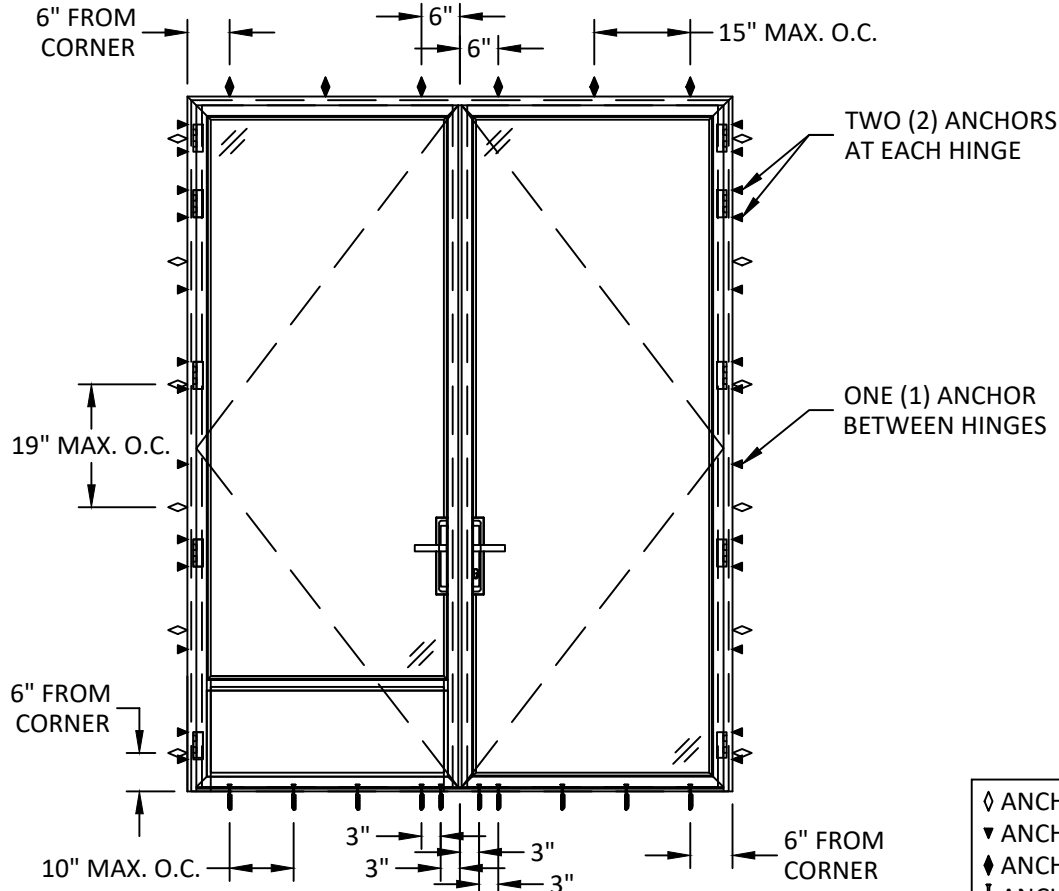
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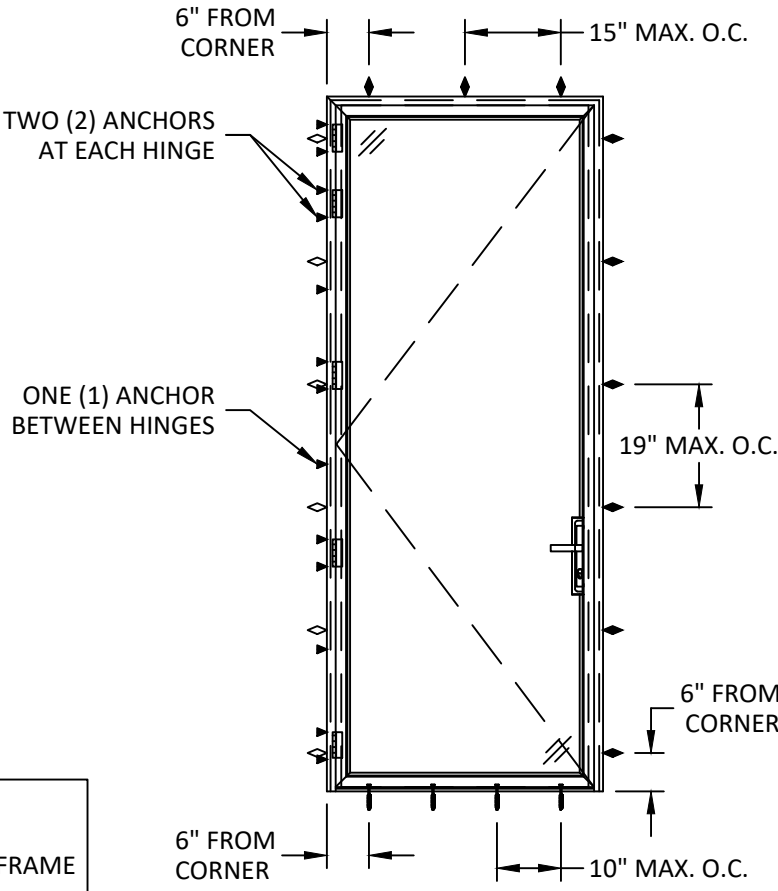
ANCHOR LAYOUT
FRENCH DOOR, THRU. STRAP ONLY



ANCHOR LAYOUT
SINGLE DOOR, THRU. STRAP ONLY



ANCHOR LAYOUT
FRENCH DOOR, THRU. STRAP & FRAME



ANCHOR LAYOUT
SINGLE DOOR, THRU. STRAP & FRAME

- ◇ ANCHOR THROUGH CLIP
- ▼ ANCHOR THROUGH FRAME
- ◆ ANCHOR THRU. CLIP + ANCHOR THRU. FRAME
- ┆ ANCHOR THROUGH THRESHOLD



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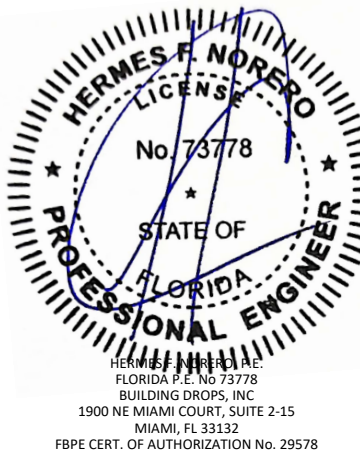
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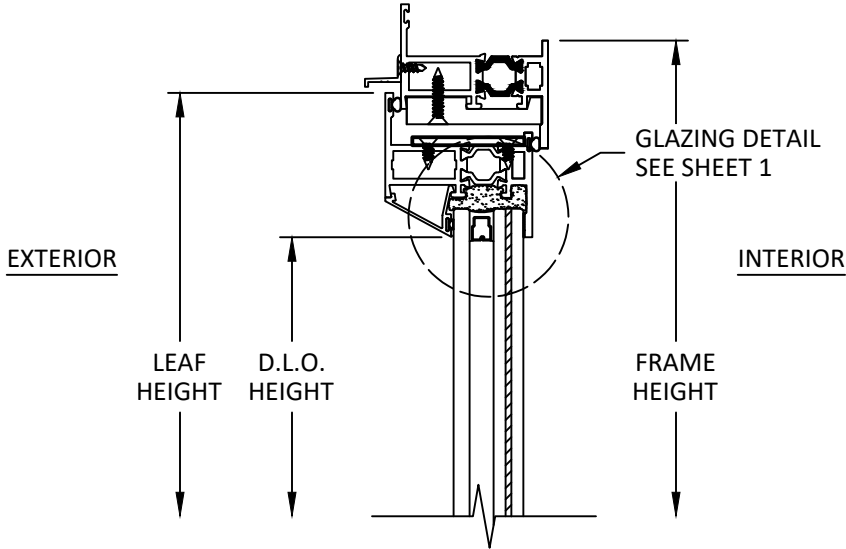


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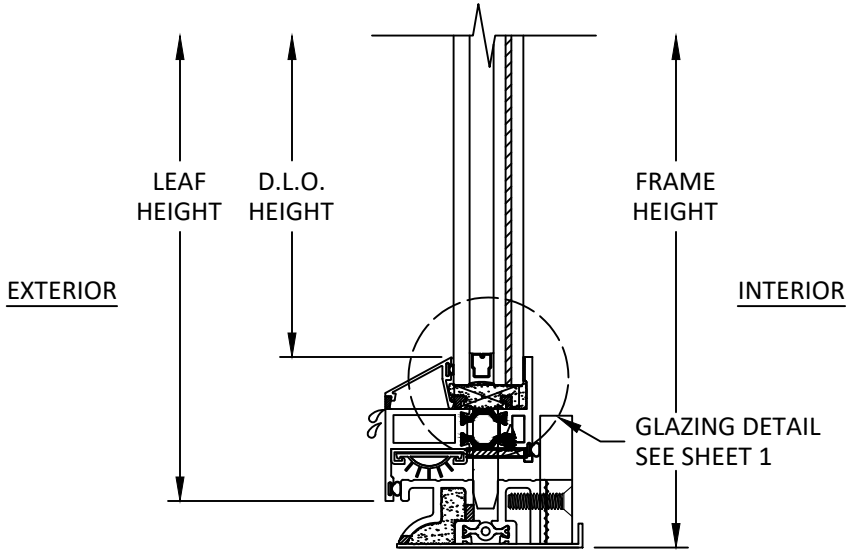
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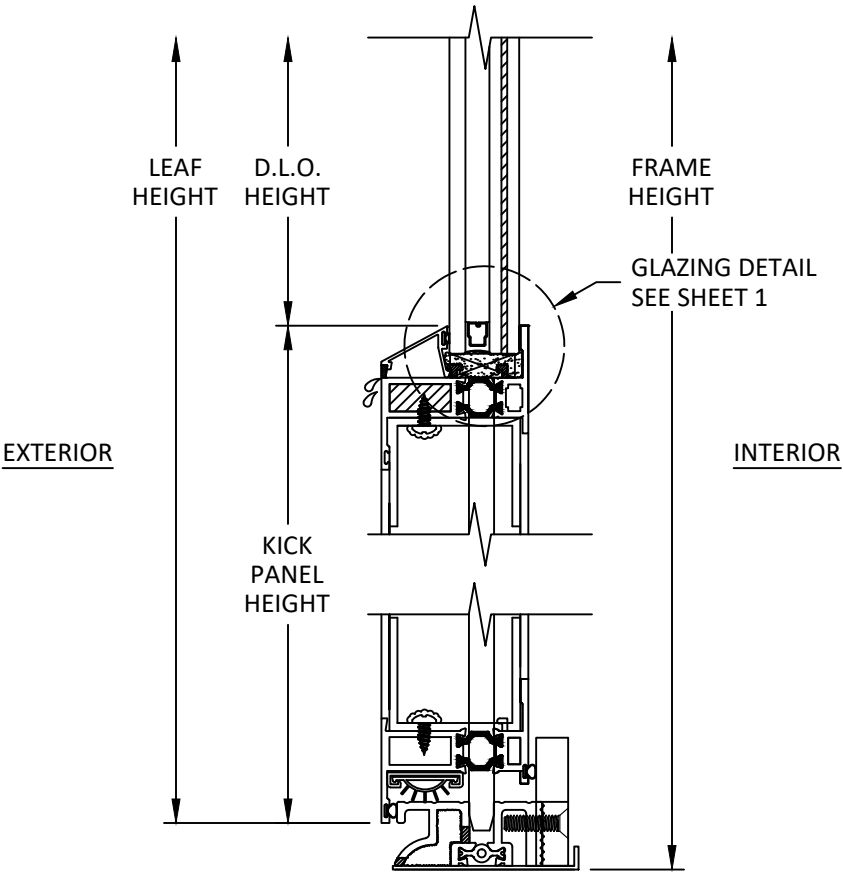
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A
4 VERTICAL SECTION
HEAD



B
4 VERTICAL SECTION
SILL



C
4 VERTICAL SECTION
SILL
W/ KICK PANEL



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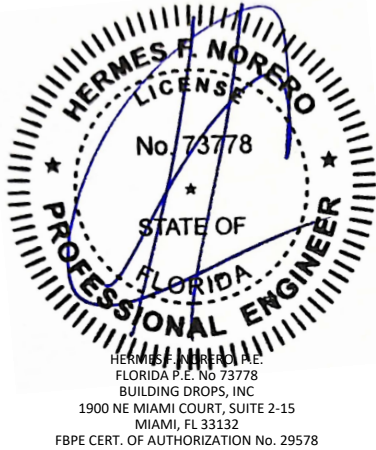
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VERTICAL SECTIONS

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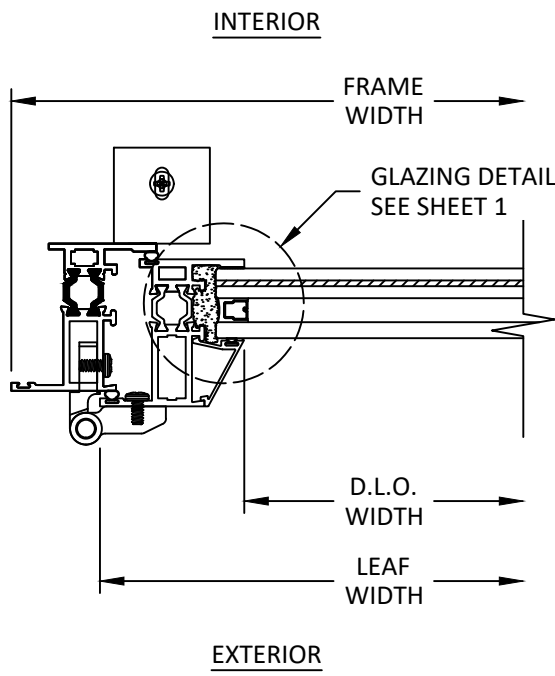
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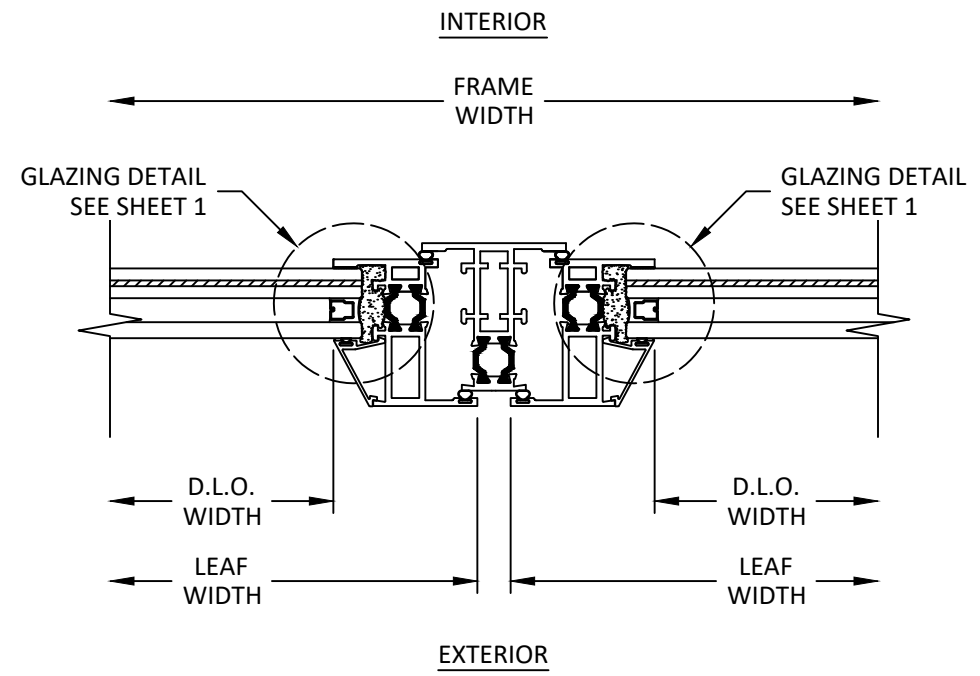


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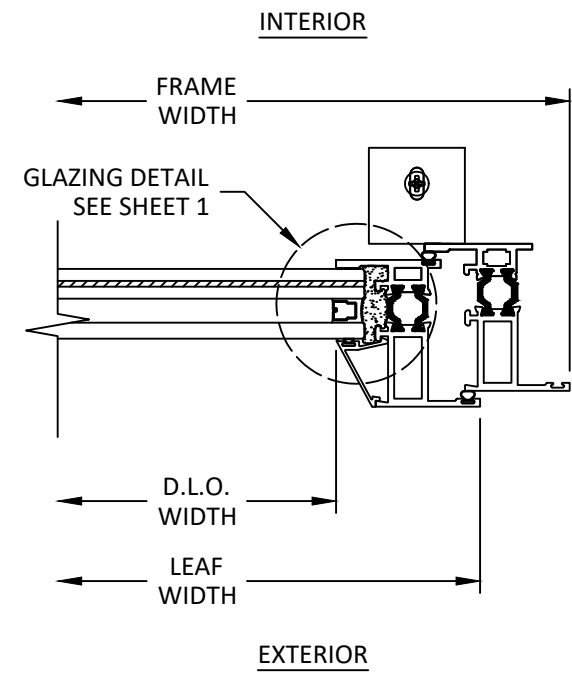
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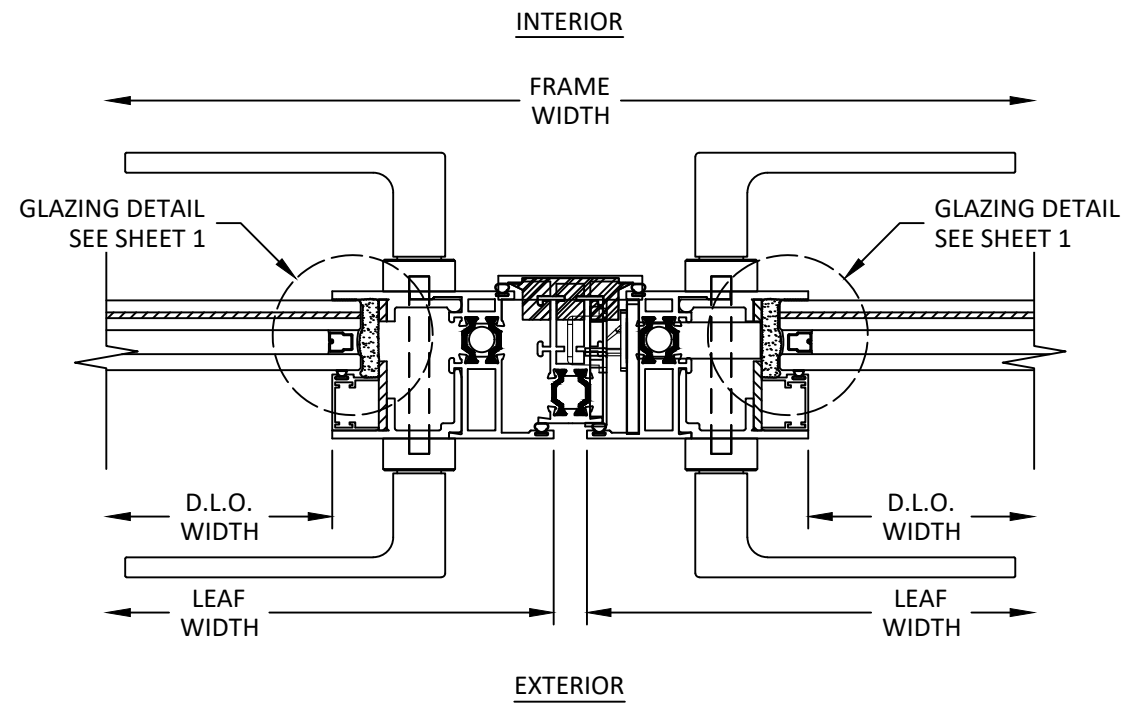
D
5 HORIZONTAL SECTION
HINGE JAMB



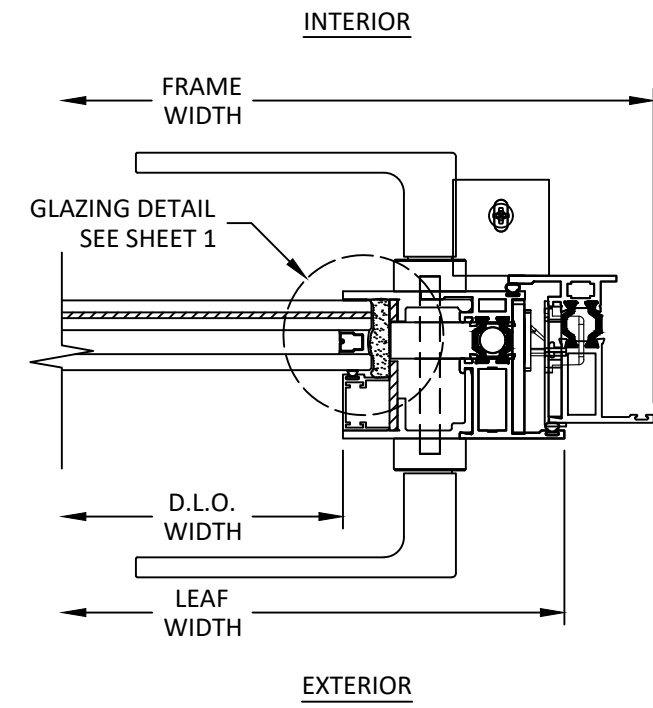
E
5 HORIZONTAL SECTION
MEETING STILE



F
5 HORIZONTAL SECTION
LOCK JAMB



G
5 HORIZONTAL SECTION
MEETING STILE - LOCK



H
5 HORIZONTAL SECTION
LOCK JAMB - LOCK



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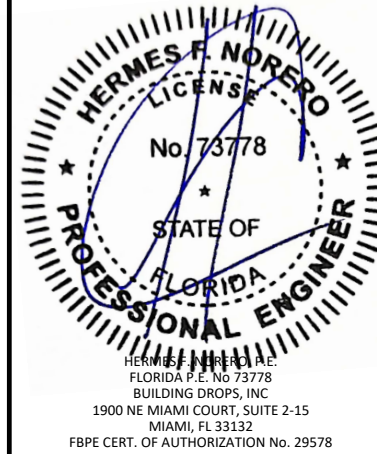
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HORIZONTAL SECTIONS

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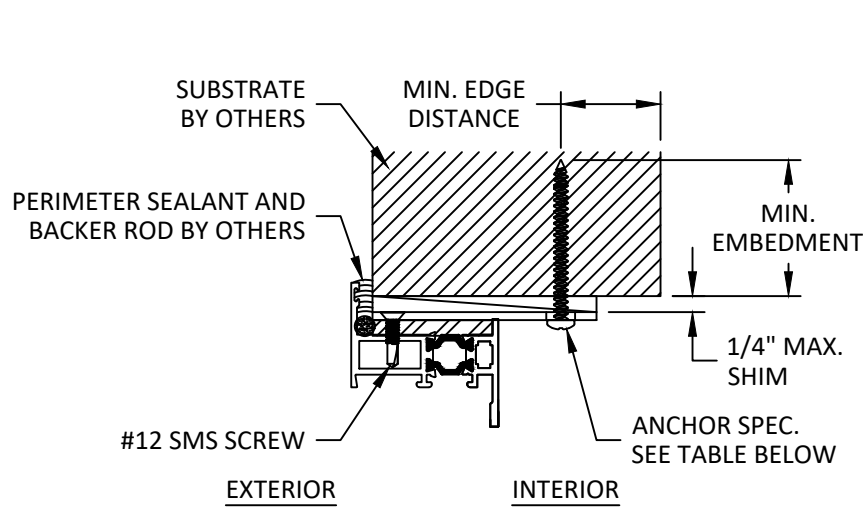
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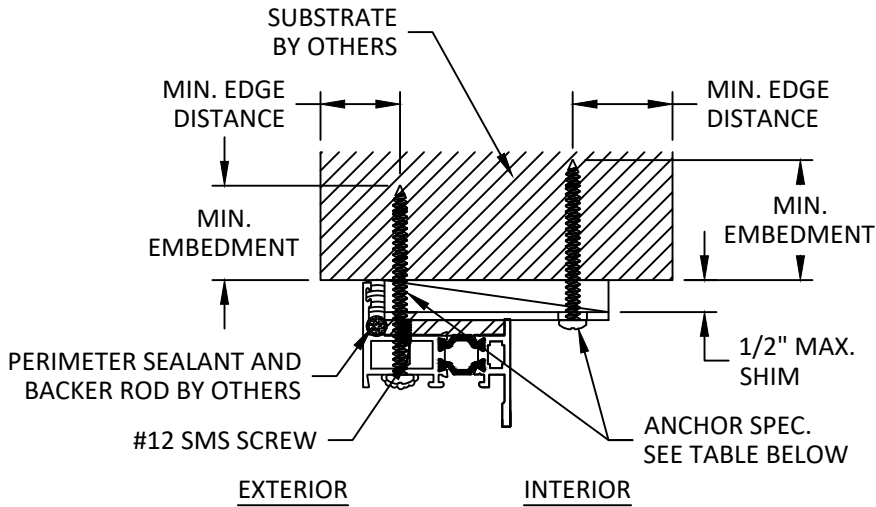
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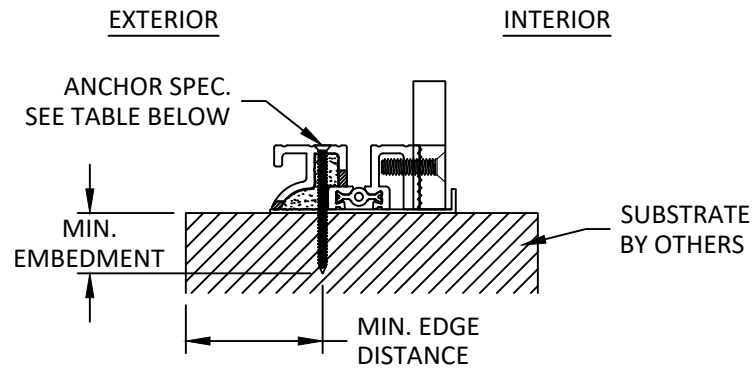
OF 6



I
6 **INSTALLATION DETAILS**
HEAD SHOWN, JAMB SIMILAR
ANCHOR THROUGH STRAP ONLY



J
6 **INSTALLATION DETAILS**
HEAD SHOWN, JAMB SIMILAR
ANCHOR THROUGH STRAP AND FRAME



K
6 **INSTALLATION DETAILS**
SILL SHOWN

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR INTO SUBSTRATE IS REQUIRED AT EACH ANCHOR LOCATION.
- 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 1/2 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.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH STRAP/ FRAME	WOOD: MIN. S.G. = 0.55	#12 WOOD SCREW	1-1/2"	1"
	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	#12 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	CONCRETE: MIN. f'c = 3000 psi	1/4" ITW TAPCON	1-1/2"	1-1/2"
	MASONRY: HOLLOW OR GROUT- FILLED BLOCK per ASTM C90, MIN. 2000 PSI		1"	2"
THROUGH THRESHOLD	WOOD: MIN. S.G. = 0.55	#8 WOOD SCREW	1-1/2"	1"
	STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	#8 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	CONCRETE: MIN. f'c = 3000 psi	3/16" ITW TAPCON	1"	1-1/4"
	MASONRY: HOLLOW OR GROUT- FILLED BLOCK per ASTM C90, MIN. 2000 PSI		1"	2"



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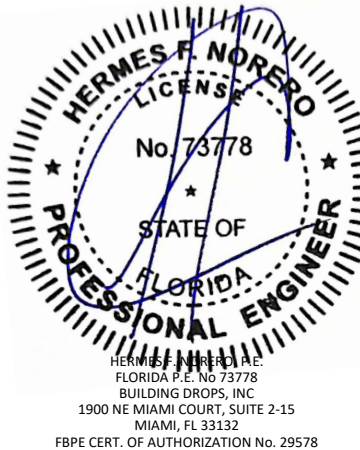
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