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PUNTO GOLD USA, LLC

VITTORIA SERIES OUTSWING DOORS

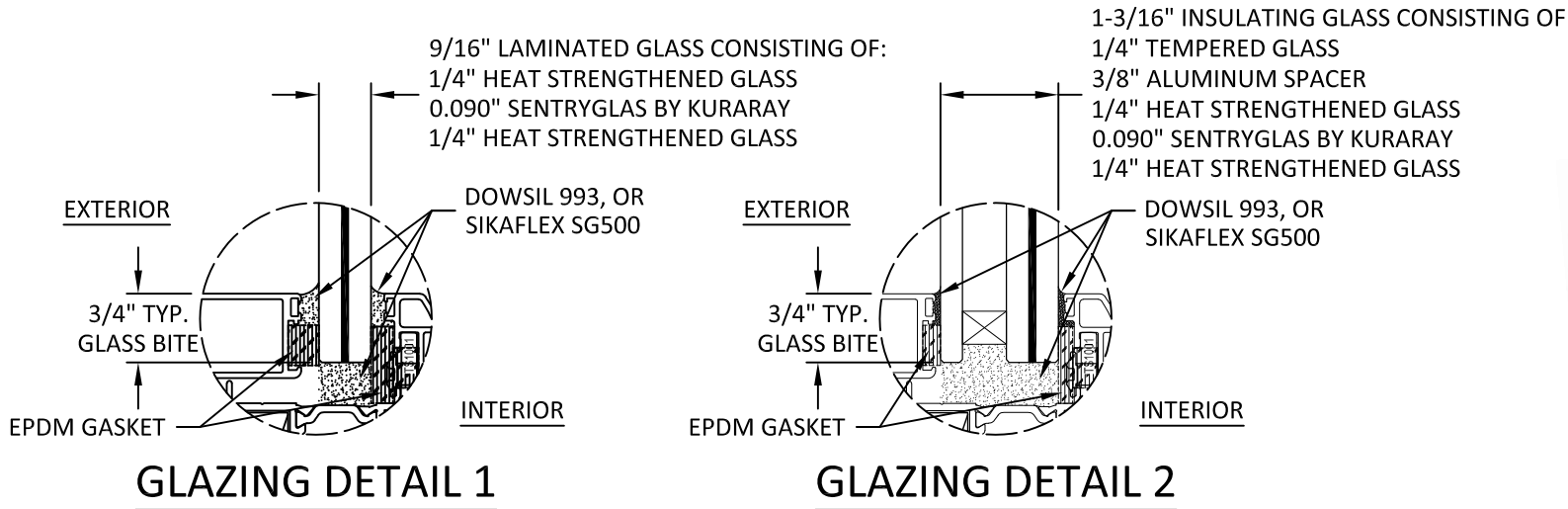
(HVHZ) (IMPACT)

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 1304-18
 - ASTM E283-19
 - ASTM E331-00(16)
 - ASTM F588-07
 - 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: ALUMINUM 6060-T5.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
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4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS
6	INSTALLATION DETAILS AND NOTES

DESIGN PRESSURE RATING		
FRAME SIZE	DESIGN PRESSURE	MISSILE RATING
SEE SHEETS 2 & 3		LARGE AND SMALL MISSILE IMPACT



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 SHEETS 2 & 3.

PUNTO GOLD
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240 SOUTH ANDREWS AVENUE, SUITE 3
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TITLE:
VITTORIA SERIES OUTSWING DOORS
(HVHZ) (IMPACT)

GENERAL NOTES & GLAZING DETAILS

PREPARED BY:

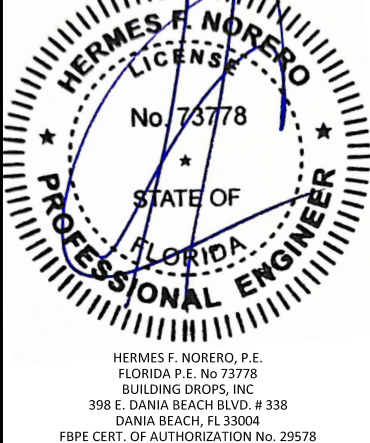
BUILDING DROPS, INC.
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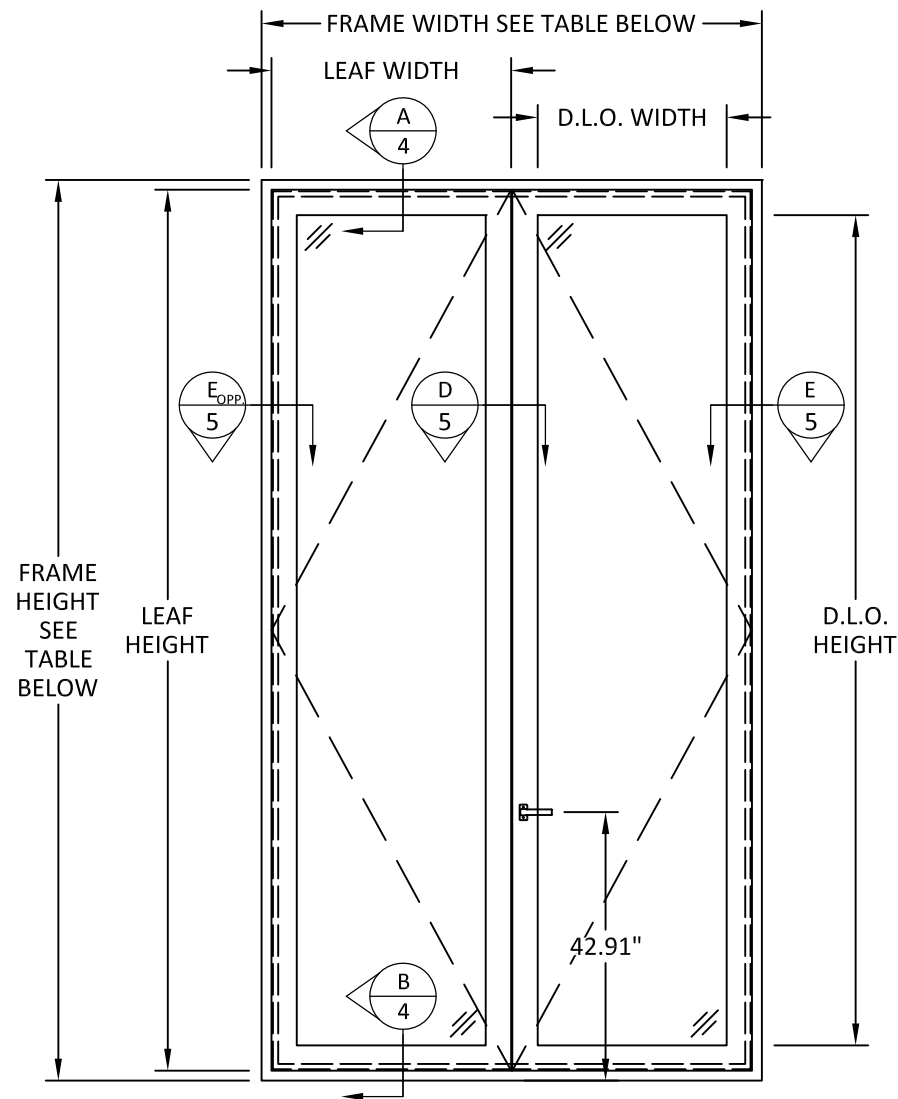
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.06.21 16:01:41 -0400

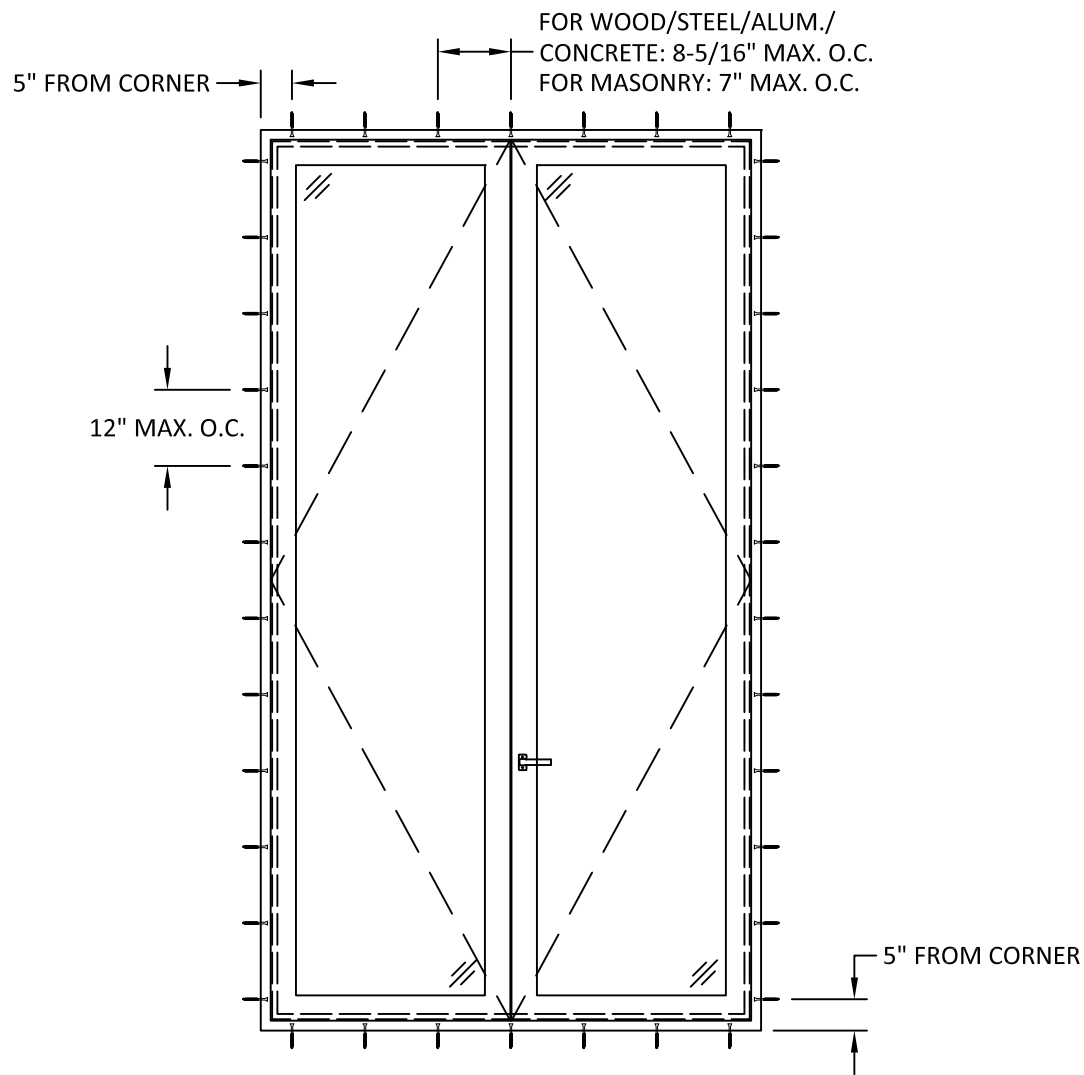


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SCALE:	NTS
DWG. #:	PGU004
SHEET:	1



TYPICAL ELEVATION
FRENCH DOOR

LEAF WIDTH = FRAME WIDTH/2 - 1.674"
LEAF HEIGHT = FRAME HEIGHT - 3.151"
D.L.O. WIDTH = FRAME WIDTH/2 - 9.776"
D.L.O. HEIGHT = FRAME HEIGHT - 11.253"



ANCHOR LAYOUT
FRENCH DOOR

VITTORIA SERIES FRENCH DOOR DESIGN PRESSURE TABLE									
		FRAME WIDTH (IN.)							
		60	66	72	80	84	90	96	102
FRAME HEIGHT (IN.)	72	108.33	108.33	108.33	94.00	88.16	80.65	74.32	68.91
	78	108.33	108.33	108.33	94.00	88.16	80.65	74.32	68.91
	84	108.33	108.33	108.33	94.00	88.16	80.65	74.32	68.91
	90	108.33	108.33	108.33	94.00	88.16	80.65	74.32	68.91
	96	108.33	108.33	108.33	94.00	88.16	80.65	74.32	68.91
	102	108.33	107.81	100.60	92.74	88.16	80.65	74.32	68.91
	108	108.33	100.75	93.89	86.42	83.25	79.06	74.32	68.91
	114	102.42	94.55	88.02	80.90	77.88	73.88	70.42	-
	120	96.57	89.06	82.84	76.05	73.16	69.33	-	-
	126	91.35	84.18	78.24	71.75	68.98	-	-	-
	132	85.18	77.78	71.64	65.00	65.00	-	-	-
	138	74.42	67.92	65.00	65.00	-	-	-	-
	144	65.40	65.00	65.00	65.00	-	-	-	-

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FRENCH DOOR ELEVATION, ANCHOR
LAYOUT & DESIGN PRESSURE TABLE

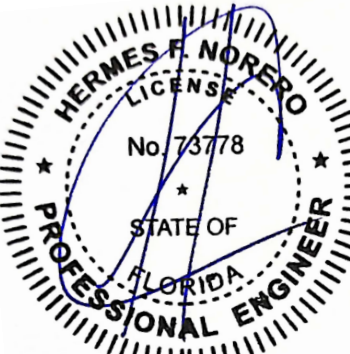
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FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
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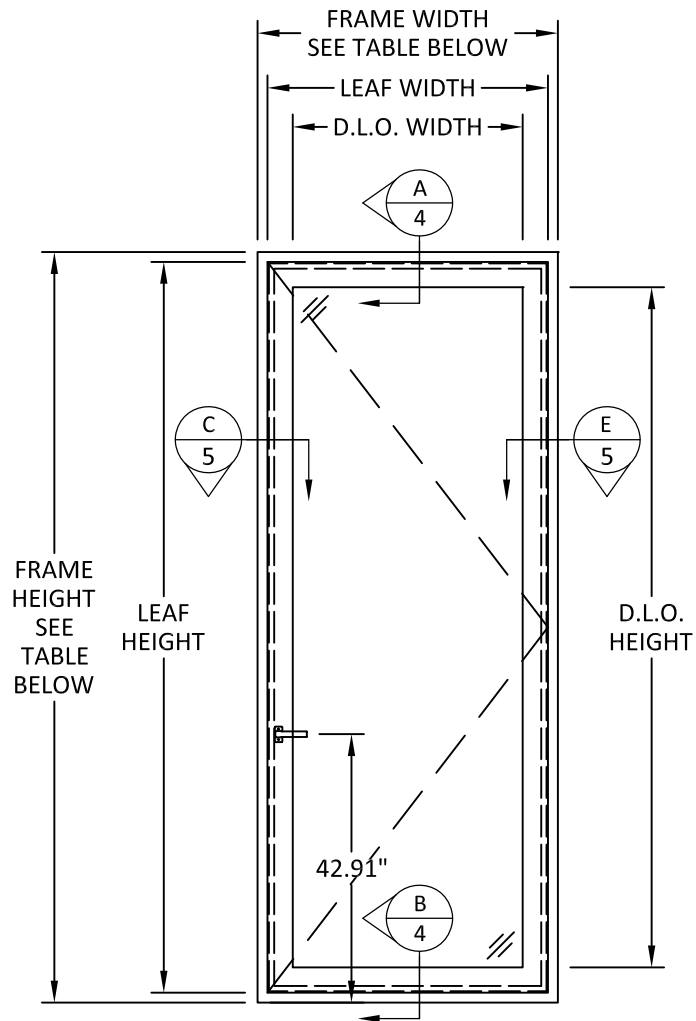
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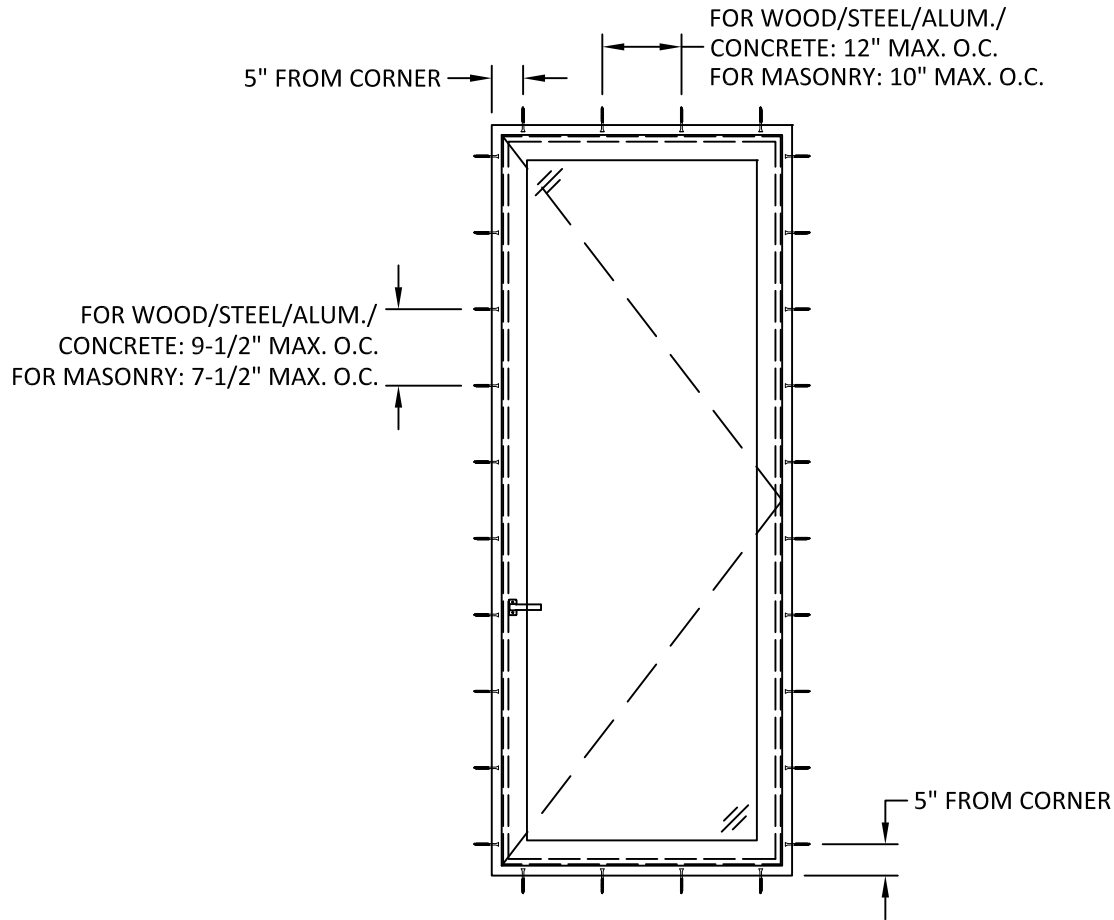
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TYPICAL ELEVATION
SINGLE DOOR

LEAF WIDTH = FRAME WIDTH - 3.151"
LEAF HEIGHT = FRAME HEIGHT - 3.151"
D.L.O. WIDTH = FRAME WIDTH - 11.253"
D.L.O. HEIGHT = FRAME HEIGHT - 11.253"



ANCHOR LAYOUT
SINGLE DOOR

VITTORIA SERIES SINGLE DOOR DESIGN PRESSURE TABLE									
		FRAME WIDTH (IN.)							
		30	33	36	40	42	45	48	51
FRAME HEIGHT (IN.)	72	200.00	200.00	200.00	200.00	186.99	170.37	156.46	144.65
	78	200.00	200.00	200.00	200.00	186.99	170.37	156.46	144.65
	84	200.00	200.00	200.00	200.00	186.99	170.37	156.46	144.65
	90	200.00	200.00	200.00	188.57	182.19	170.37	156.46	144.65
	96	200.00	200.00	188.03	173.68	167.62	159.64	152.78	144.65
	102	200.00	187.13	174.60	160.98	155.20	147.59	141.03	135.33
	108	189.25	174.86	162.96	150.00	144.50	137.23	130.95	125.49
	114	177.78	164.10	152.78	140.43	135.18	128.23	122.22	-
	120	160.82	146.98	135.52	123.02	120.00	120.00	120.00	-
	126	91.35	84.18	78.24	71.75	68.98	-	-	-
	132	85.18	77.78	71.64	65.00	65.00	-	-	-
	138	74.42	67.92	65.00	65.00	-	-	-	-
	144	65.40	65.00	65.00	65.00	-	-	-	-

PUNTO GOLD
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240 SOUTH ANDREWS AVENUE, SUITE 3
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TITLE:
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(HVHZ) (IMPACT)

SINGLE DOOR ELEVATION, ANCHOR
LAYOUT & DESIGN PRESSURE TABLE

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

HERMES F. NORERO, P.E.
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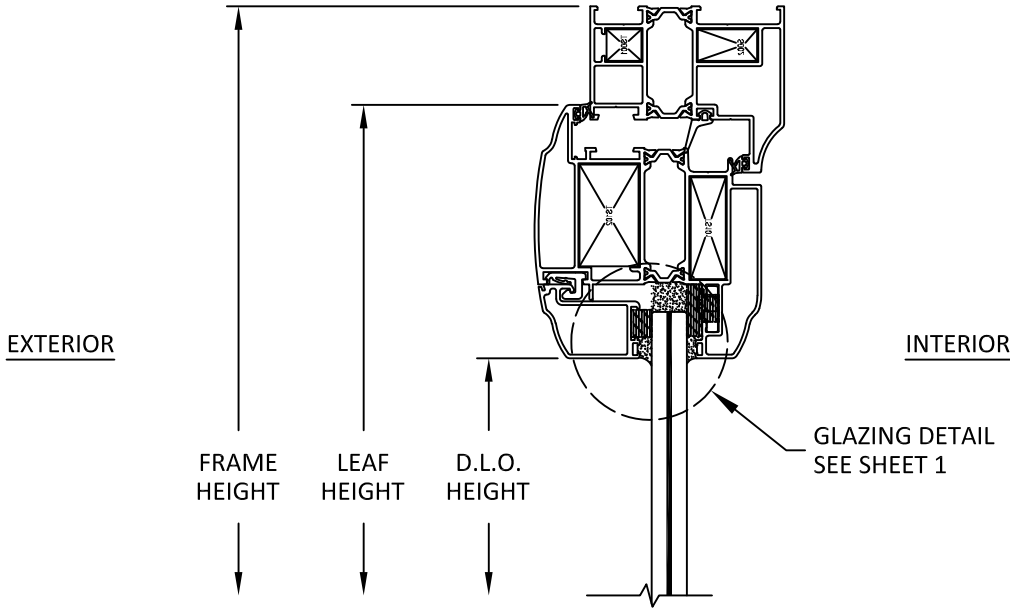
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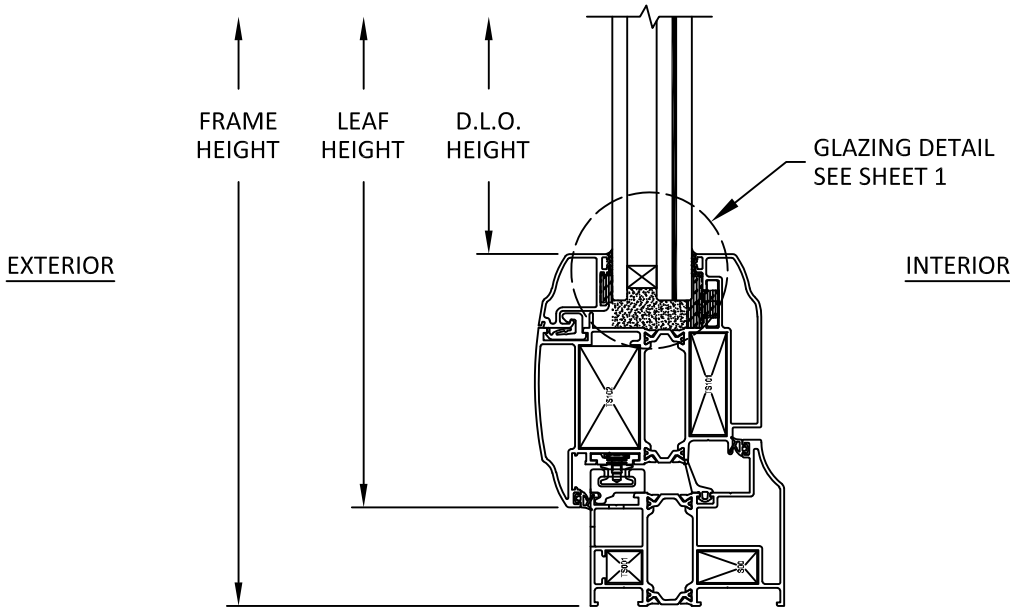
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A
4 VERTICAL SECTION
HEAD



B
4 VERTICAL SECTION
SILL

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USA, LLC

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TITLE:
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VERTICAL SECTIONS

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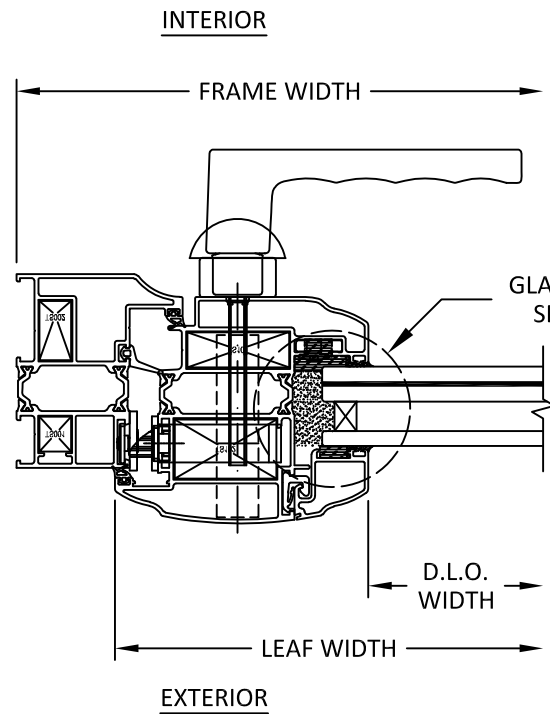


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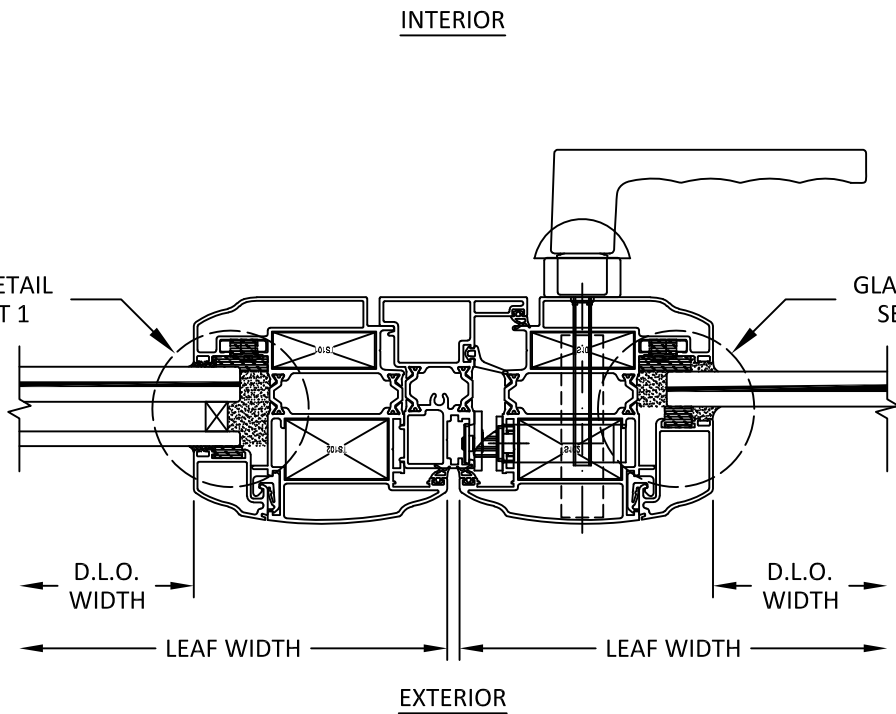
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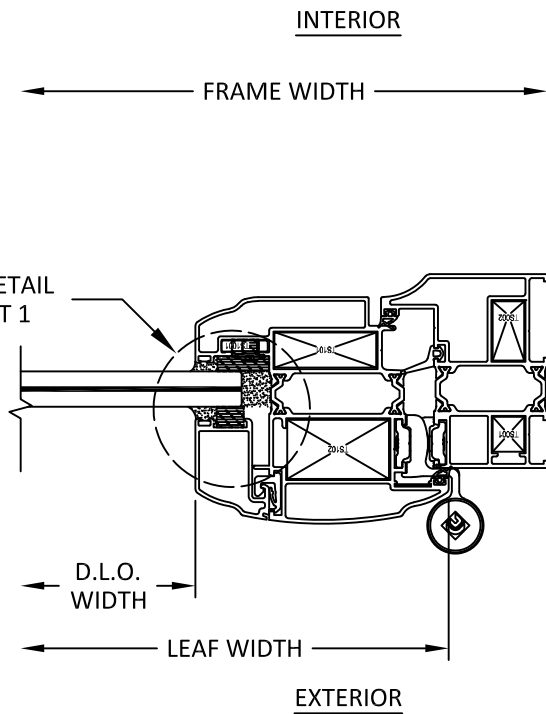
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C
5 HORIZONTAL SECTION
LOCK JAMB



D
5 HORIZONTAL SECTION
MEETING STILE



E
5 HORIZONTAL SECTION
HINGE JAMB

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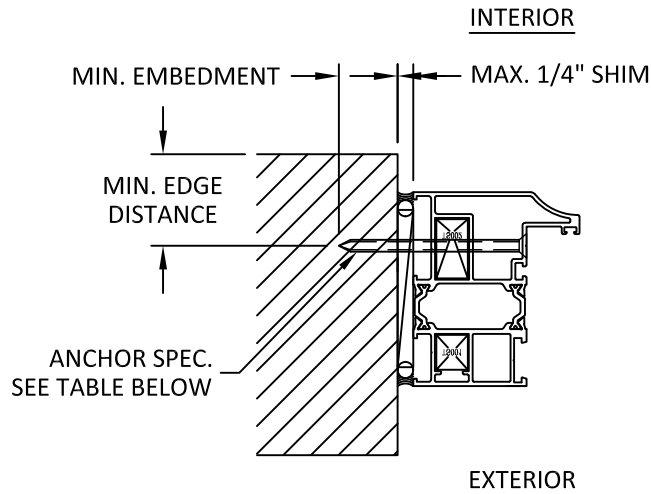
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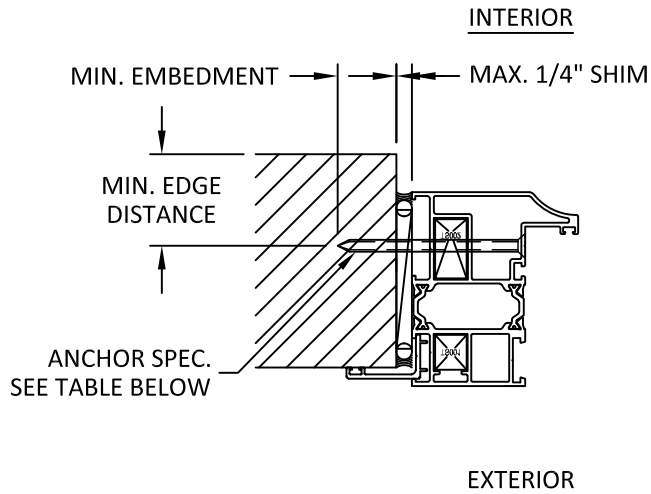
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F
6 **INSTALLATION DETAIL**
JAMB



G
6 **INSTALLATION DETAIL**
JAMB
WITH FLANGE

JAMB INSTALLATION SHOWN,
HEAD & SILL SIMILAR.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR 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 1/4 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 FRAME	WOOD: MIN. S.G. = 0.55	#14 WOOD SCREW	1.375"	1"
	STEEL: MIN. 16 GA. MIN. Fy = 36 ksi	1/4" GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
	ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
	CONCRETE: MIN. f'c = 3000 psi	1/4" ITW TAPCON	1.5"	2"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1"	2.75"

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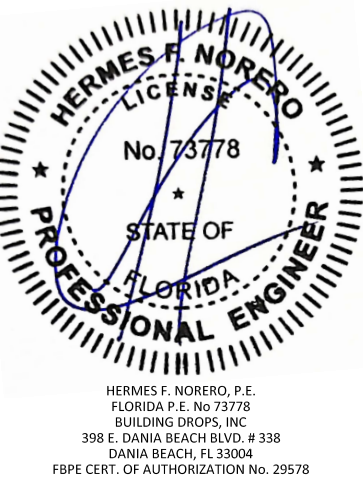
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6