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JIANGXI FANGDA TECH CO., LTD.

FIBERGLASS DOOR

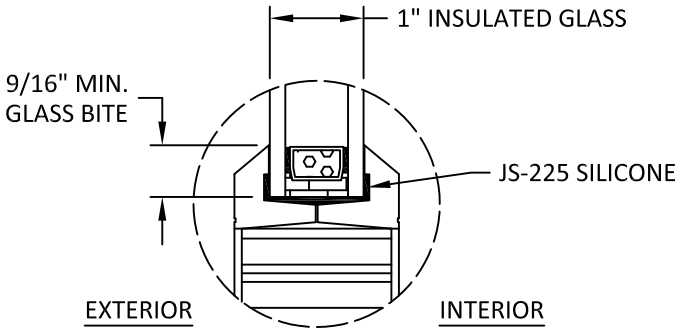
(NON-HVHZ) (NON-IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) **EXCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 202-94
- 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.
- 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 REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: WOOD PLASTIC COMPOSITE.
- DOOR SKIN MATERIAL: FIBERGLASS.
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.
- 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.

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4	HORIZONTAL SECTIONS
5	INSTALLATION DETAIL AND NOTES

FRAME SIZE	DESIGN PRESSURE	IMPACT MISSILE RATING
SEE SHEET 2		NON-IMPACT



GLAZING DETAIL

GLAZING NOTES:

- GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS. 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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FIBERGLASS DOOR
(NON-HVHZ) (NON-IMPACT)

GENERAL NOTES &
GLAZING DETAIL

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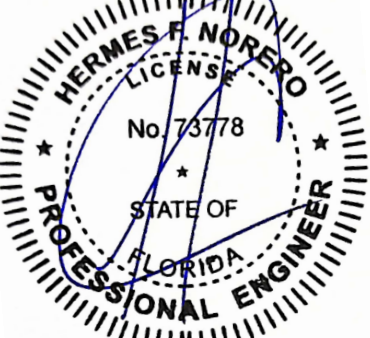
**BUILDING DROPS**

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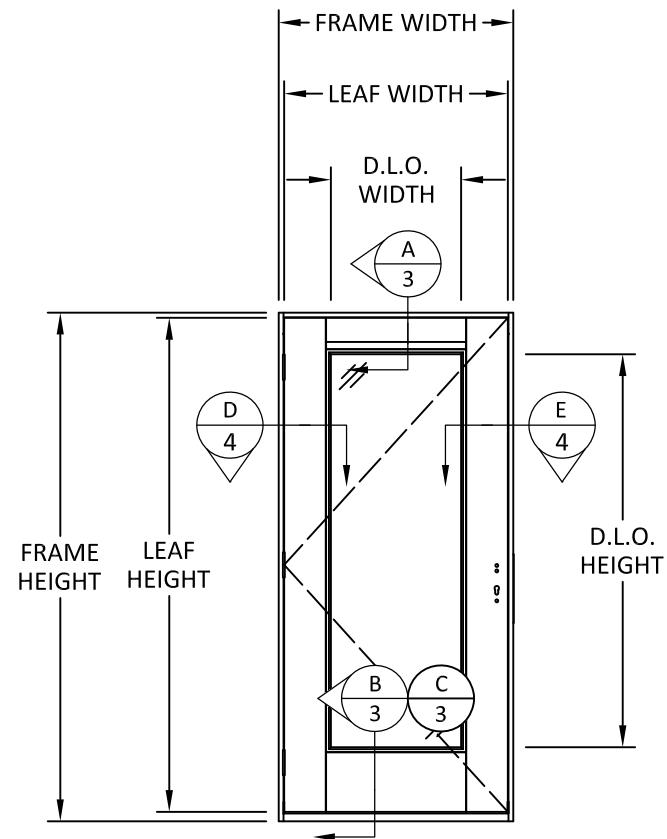
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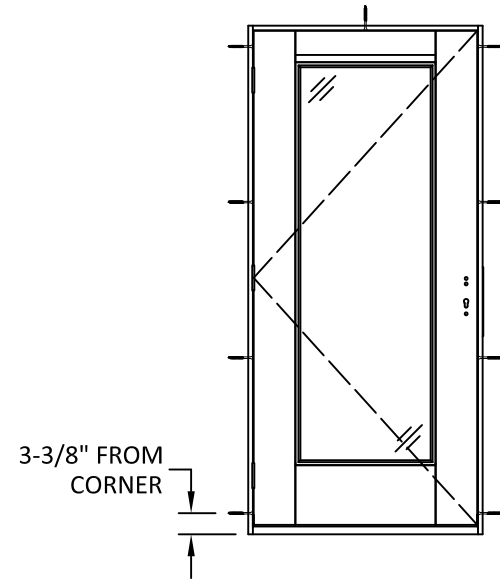
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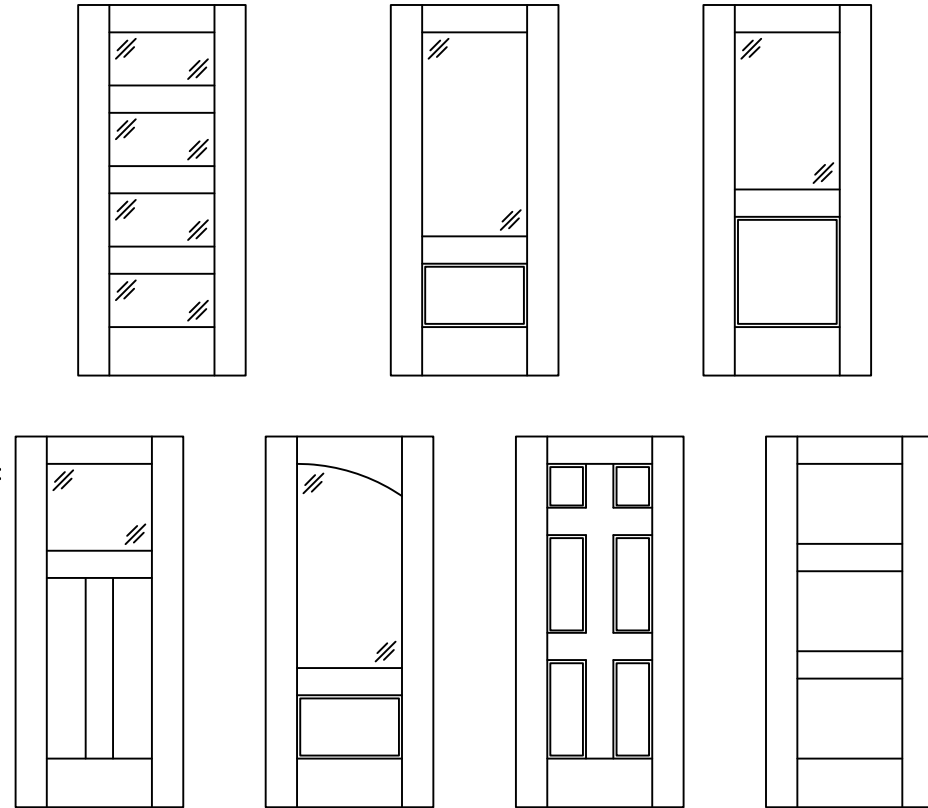


TYPICAL ELEVATION



ANCHOR LAYOUT

ON WOOD SUBSTRATE:
18-5/8" MAX. O.C.
ON STEEL/ALUM./CONC./MASONRY:
24-7/8" MAX. O.C.



DOOR LEAF CONFIGURATIONS
SEE MANUFACTURER'S INSTRUCTION
FOR ALTERNATE CONFIGURATIONS & DESIGNS

FRAME HEIGHT (STANDARD SILL) = LEAF HEIGHT + 2 5/16"
FRAME HEIGHT (ADA SILL) = LEAF HEIGHT + 1 9/16"
FRAME WIDTH = LEAF WIDTH + 1 3/4"
D.L.O. HEIGHT = LEAF HEIGHT - 16 3/16"
D.L.O. WIDTH = LEAF WIDTH - 14 15/16"

LEAF HEIGHT (INCHES)	DOOR DESIGN PRESSURE TABLE (PSF)								
	LEAF WIDTH (INCHES)								
	33	35.75	39	42	45	48	51	54	57
79	50.00	50.00	35.30	26.25	19.92	15.39	12.07	9.61	7.74
84	50.00	49.26	35.30	26.25	19.92	15.39	12.07	9.61	-
87	50.00	48.87	35.30	26.25	19.92	15.39	12.07	-	-
90	50.00	48.52	35.30	26.25	19.92	15.39	12.07	-	-
93	50.00	48.20	35.30	26.25	19.92	15.39	-	-	-
96	50.00	47.91	35.30	26.25	19.92	15.39	-	-	-
99	50.00	47.65	35.30	26.25	19.92	-	-	-	-
102	50.00	47.40	35.30	26.25	19.92	-	-	-	-
105	50.00	47.17	35.30	26.25	19.92	-	-	-	-
108	50.00	46.96	35.30	26.25	-	-	-	-	-

* ADDITIONAL HINGES AND LOCK POINTS SHALL BE REQUIRED FOR DOORS WITH LEAF TALLER THAN 79" TO MAINTAIN THE SAME MAXIMUM SPACING BETWEEN HINGES AND LOCK POINTS AS THE 79" TALL DOOR.



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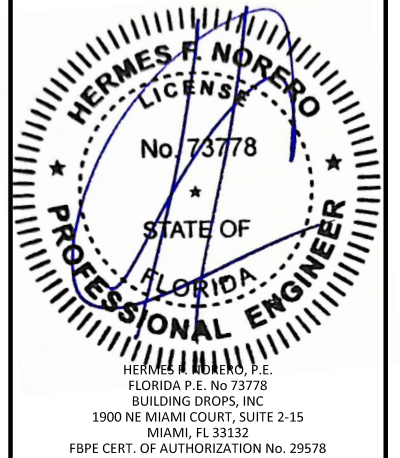
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FIBERGLASS DOOR
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TYPICAL ELEVATION, ANCHOR LAYOUT,
DP TABLE, & LEAF CONFIGURATIONS

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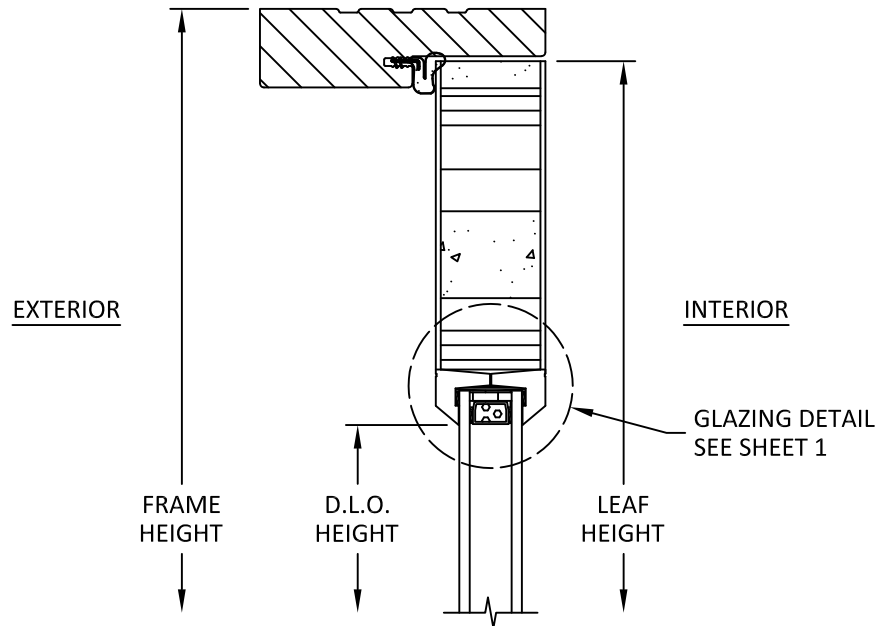
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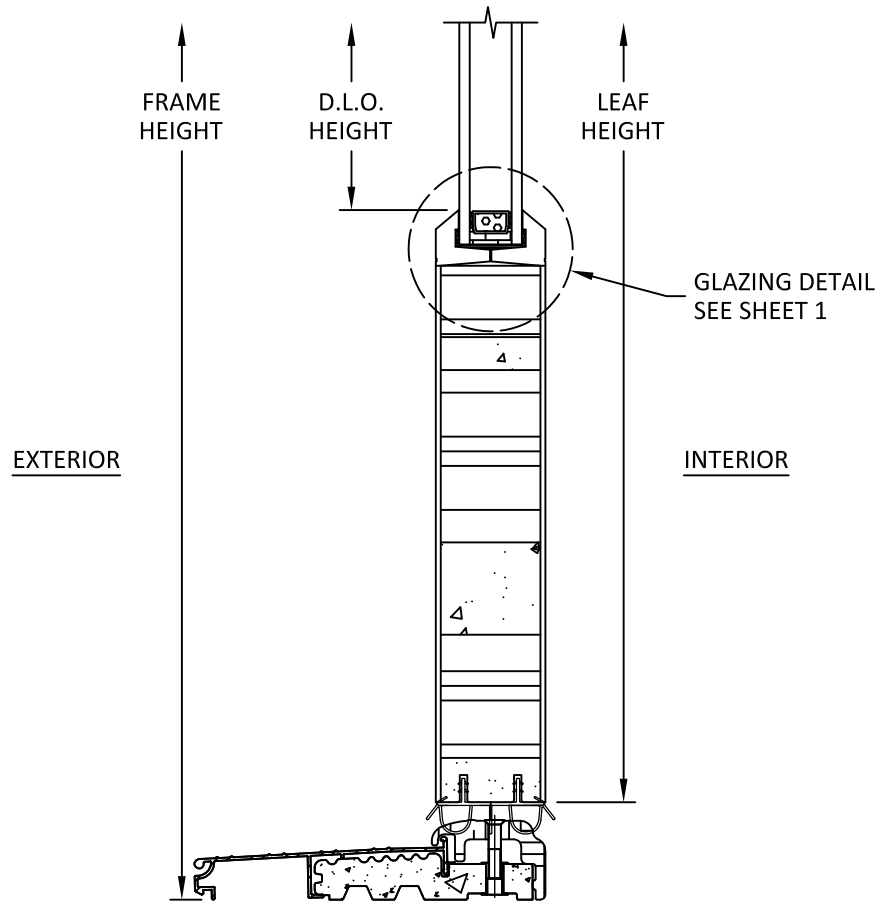
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A
3
VERTICAL SECTION
DOOR HEAD

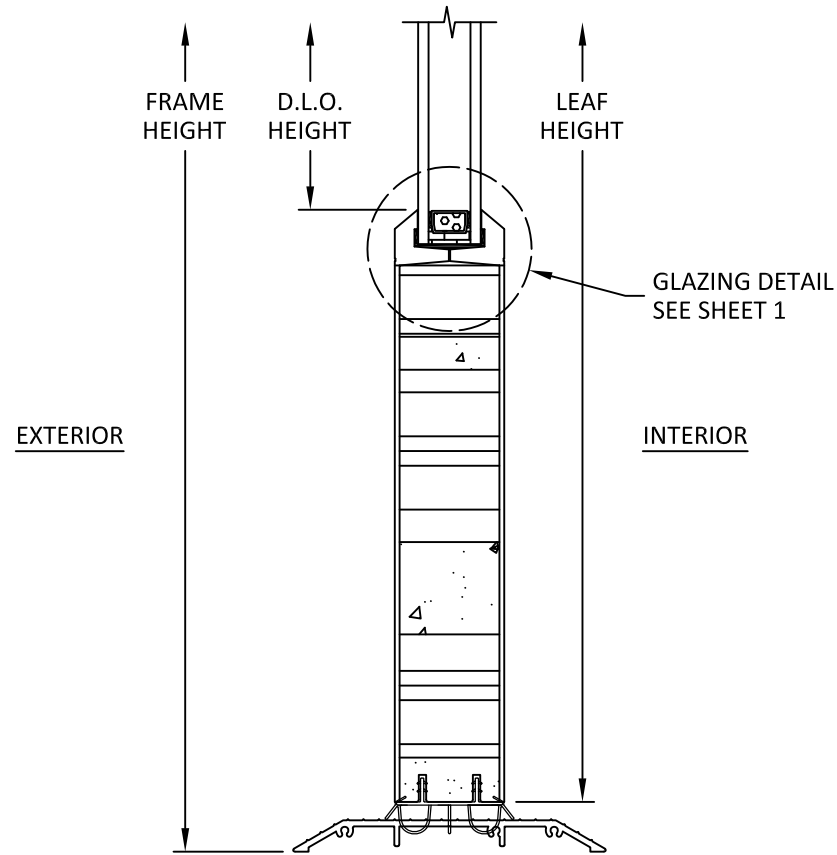
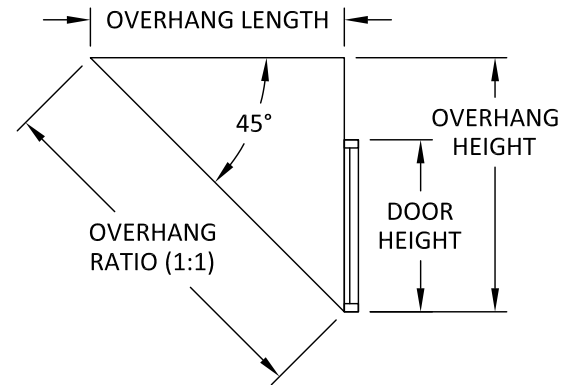


B
3
VERTICAL SECTION
DOOR SILL

NOTE:
4-9/16" FRAME AND 5-5/8" THRESHOLD ARE SHOWN,
ALTERNATE FRAMES AND THRESHOLDS WITH LARGER
DEPTHS ARE ALSO QUALIFIED, SEE MANUFACTURER'S
INFORMATION FOR DETAILS.

* DOOR WITH ADA SILL HAS NOT BEEN RATED FOR WATER
INFILTRATION. IF AUTHORITY HAVING JURISDICTION
REQUIRES THAT PRODUCT MEETS THIS REQUIREMENT,
PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION
PROTECTED BY OVERHANG SUCH THAT:

$$\text{OVERHANG (OH) RATIO} = \frac{\text{OH LENGTH}}{\text{OH HEIGHT}} \geq 1.0$$



C
3
VERTICAL SECTION
DOOR ADA SILL *



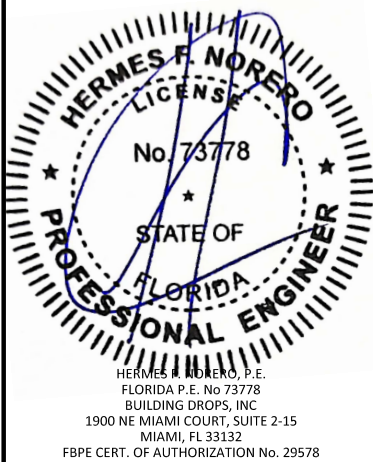
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TITLE: FIBERGLASS DOOR (NON-HVHZ) (NON-IMPACT) VERTICAL SECTIONS	PREPARED BY: BUILDING DROPS, INC. 1900 NE MIAMI COURT, SUITE 2-15 MIAMI, FL 33132 PH: (954) 399-8478 FAX: (954) 744-4738 WEB: www.buildingdrops.com	
		

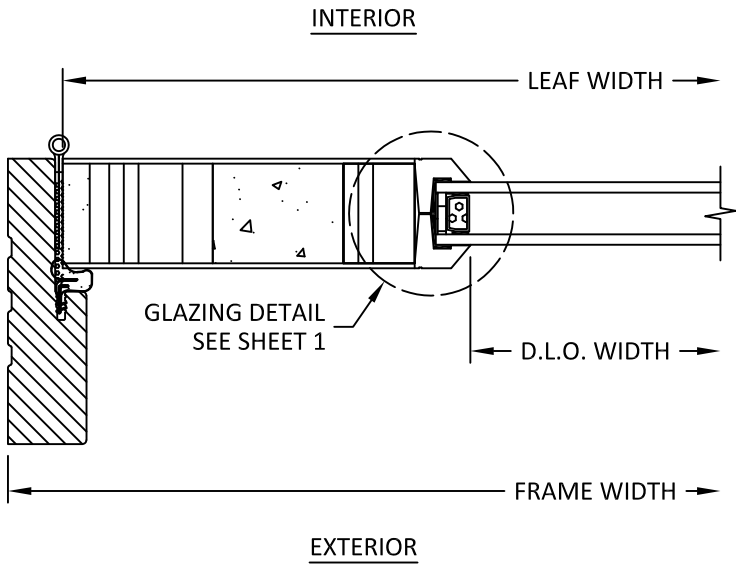
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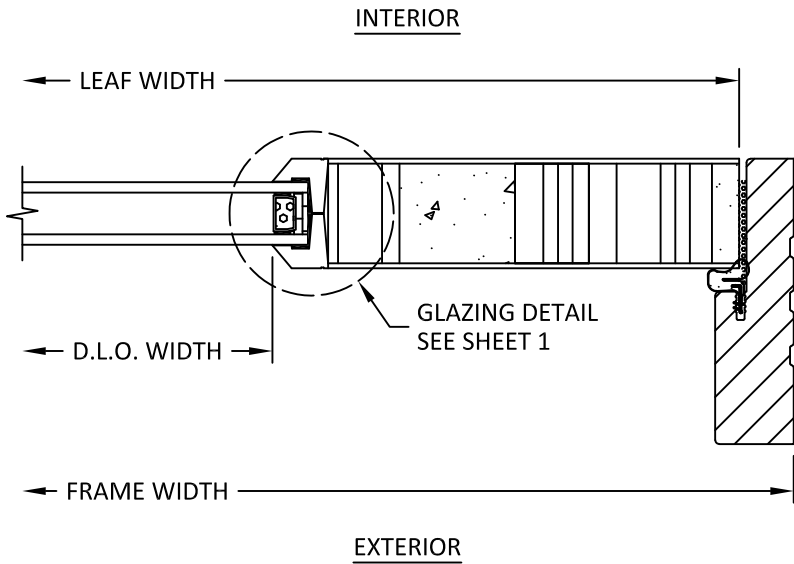


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D
4 **HORIZONTAL SECTION**
DOOR HINGE JAMB



E
4 **HORIZONTAL SECTION**
DOOR LOCK JAMB

NOTE:
4-9/16" FRAMEIS SHOWN, ALTERNATE FRAMES
WITH LARGER DEPTHS ARE ALSO QUALIFIED, SEE
MANUFACTURER'S INFORMATION FOR DETAILS.



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HORIZONTAL SECTIONS

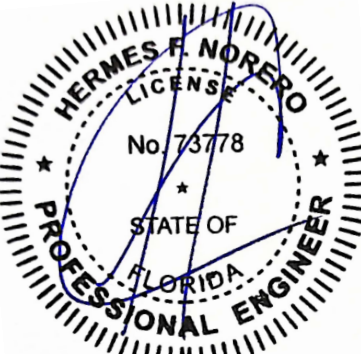
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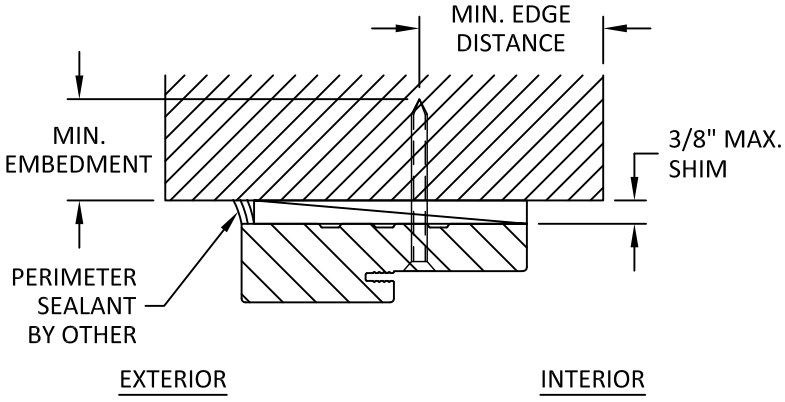
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F
5 **INSTALLATION DETAIL**
DOOR HEAD
HEAD SHOWN, JAMB SIMILAR

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 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD 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			
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW	1-1/2"	1"
STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	#10 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: CMU per ASTM C90 MIN. 2000 PSI		1"	2"



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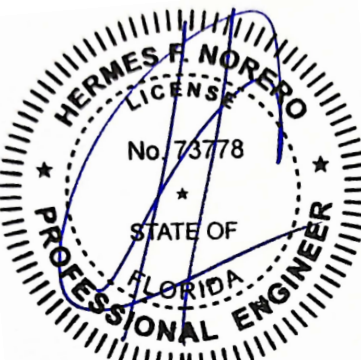
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