

c:\users\msun\building drops - common\projects\jiangxi fangda tech co. ltd\fbc-25-0120.3 - fbc submittal - opaque steel doors\dwgs\jxf006.dwg 5/19/2025 10:28 AM

JIANGXI FANGDA TECH CO., LTD.

STEEL DOOR

(WZ3) (IMPACT)

GENERAL NOTES:

1. 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 201-94
 - TAS 202-94
 - TAS 203-94
2. 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.
3. 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.
4. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
7. FRAME MATERIAL: WOOD PLASTIC COMPOSITE.
8. DOOR SKIN MATERIAL: STEEL.
9. 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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2	TYPICAL ELEVATIONS AND ANCHOR LAYOUT
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	INSTALLATION DETAILS AND NOTES

FRAME SIZE	DESIGN PRESSURE	IMPACT MISSILE RATING
37-3/4" x 97-1/4"	+/- 50 PSF	LARGE AND SMALL MISSILE IMPACT



FANGDA DOOR

TONGJIANG WEST AVENUE
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JIANGXI PROVINCE, CHINA
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TITLE:
STEEL DOOR
(WZ3) (IMPACT)
GENERAL NOTES &
DESIGN RATING TABLE

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Reason: I am approving this document
Date: 2025.05.23 15:12:00 -04'00'



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1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL47362

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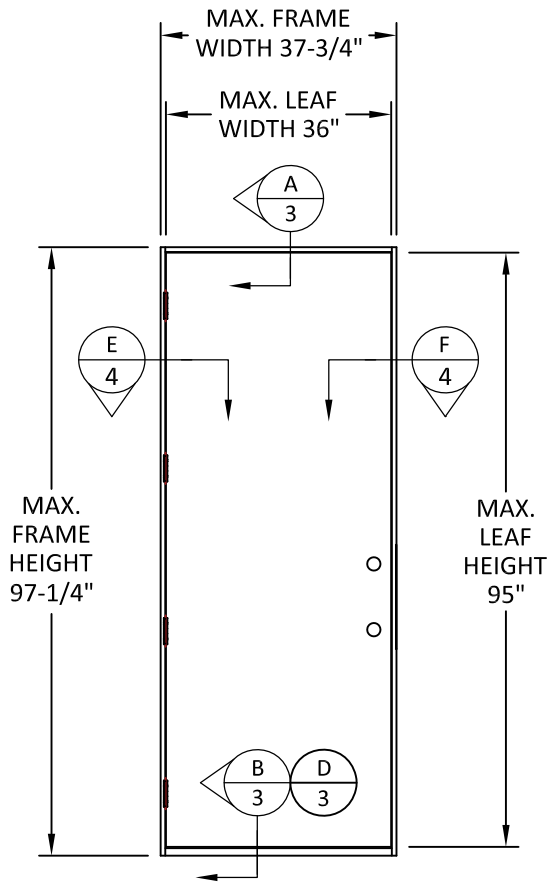
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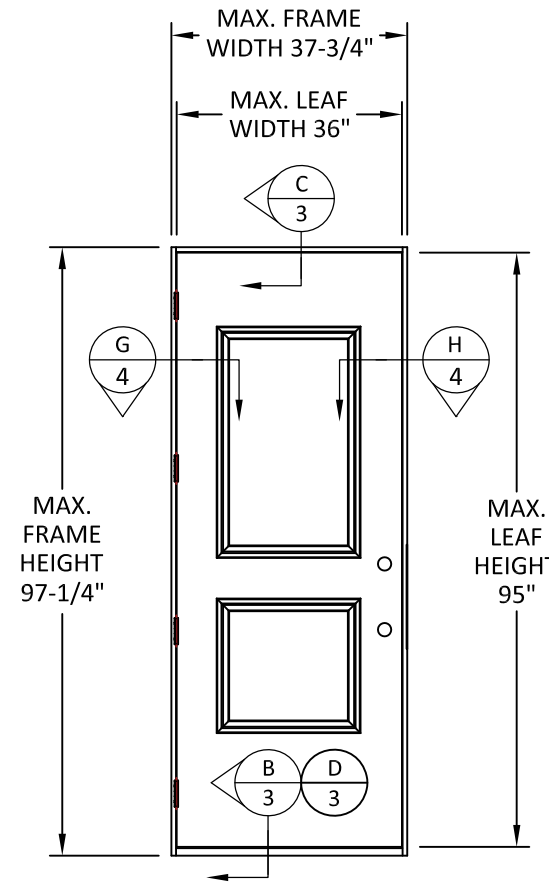
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SHEET:
1
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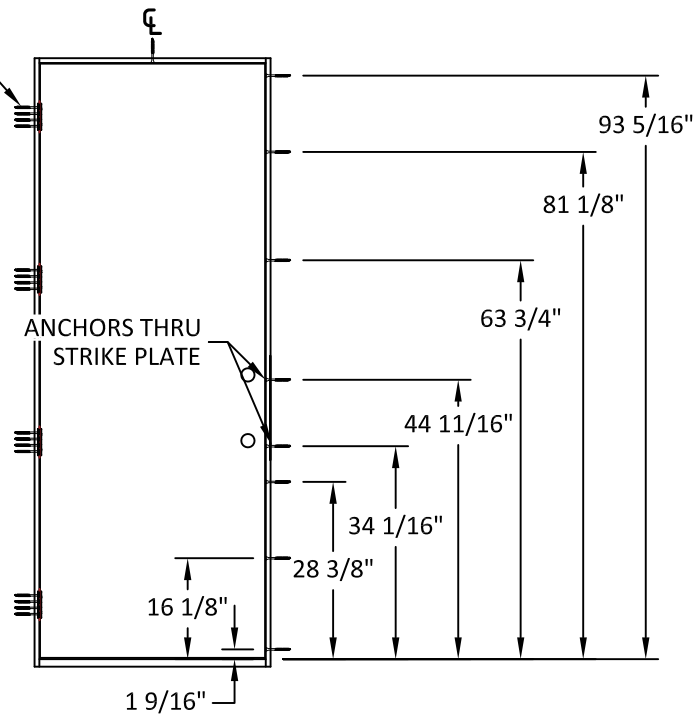


TYPICAL ELEVATION
FLUSH DOOR, INSWING/OUTSWING



TYPICAL ELEVATION
EMBOSSD DOOR, INSWING/OUTSWING

ANCHORS THRU
HINGES TO SUBSTRATE,
SEE SHEET 5 FOR
QUANTITY PER HINGE



ANCHOR LAYOUT
INSWING/OUTSWING



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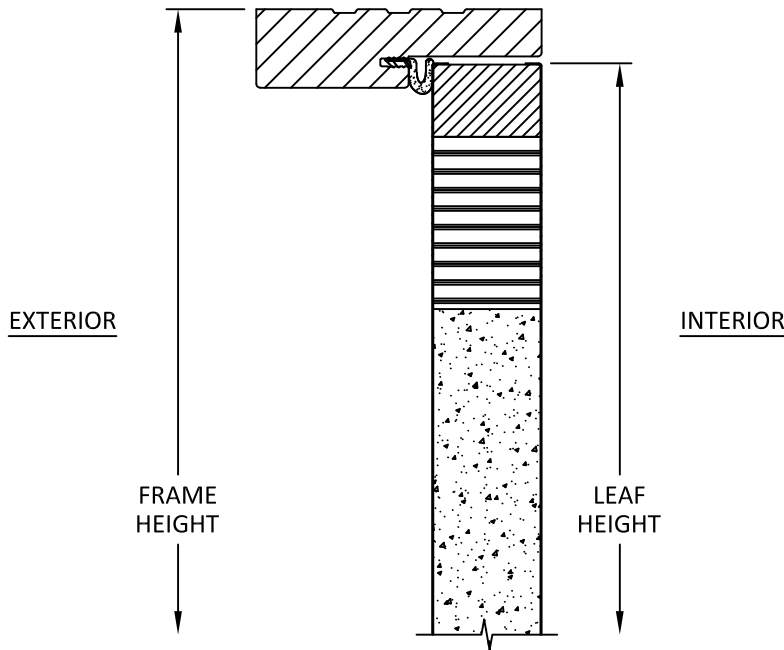
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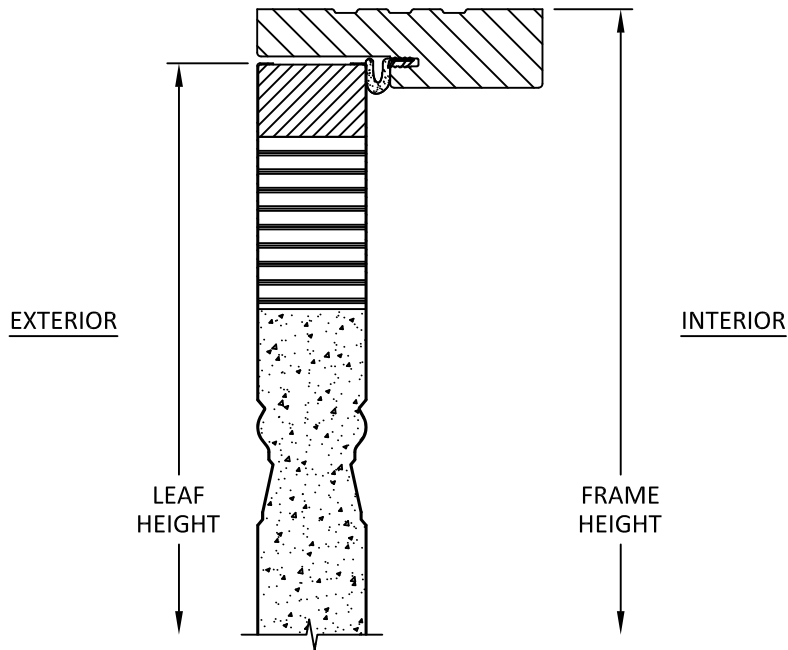
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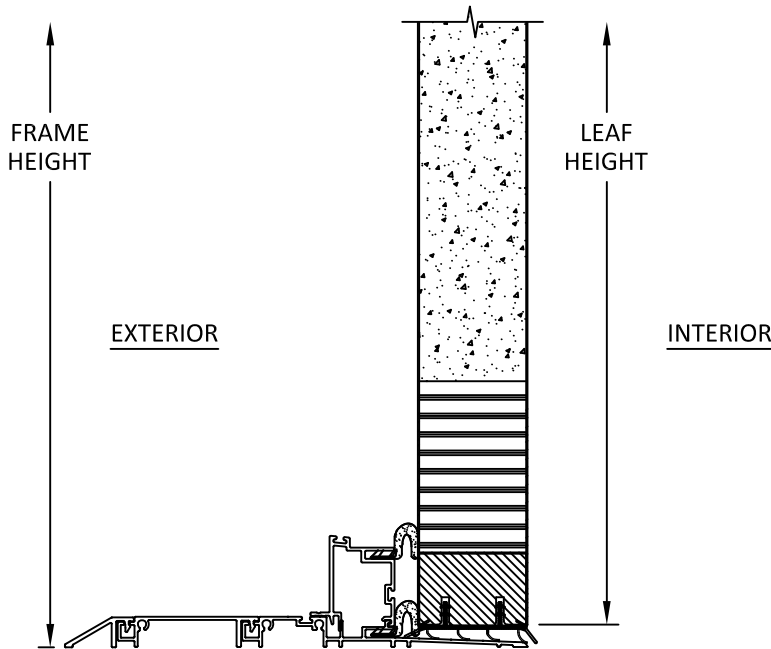
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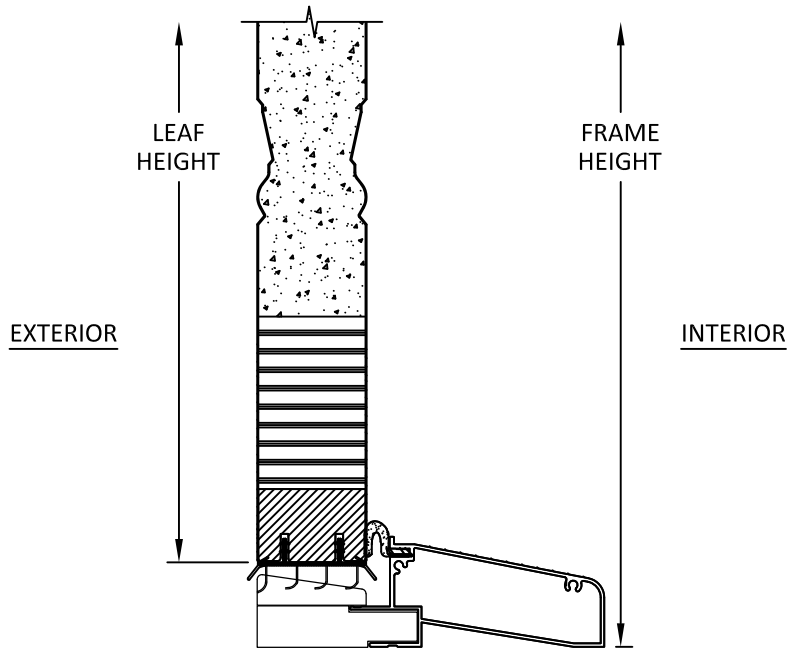
A
3 VERTICAL SECTION
INSWING DOOR HEAD
FLUSH PANEL SHOWN, EMBOSSED PANEL SIMILAR



C
3 VERTICAL SECTION
OUTSWING DOOR HEAD
EMBOSSED PANEL SHOWN, FLUSH PANEL SIMILAR



B
3 VERTICAL SECTION
FLAT THRESHOLD*
INSWING SHOWN, OUTSWING SIMILAR



D
3 VERTICAL SECTION
STANDARD THRESHOLD
OUTSWING SHOWN, INSWING SIMILAR



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VERTICAL SECTIONS

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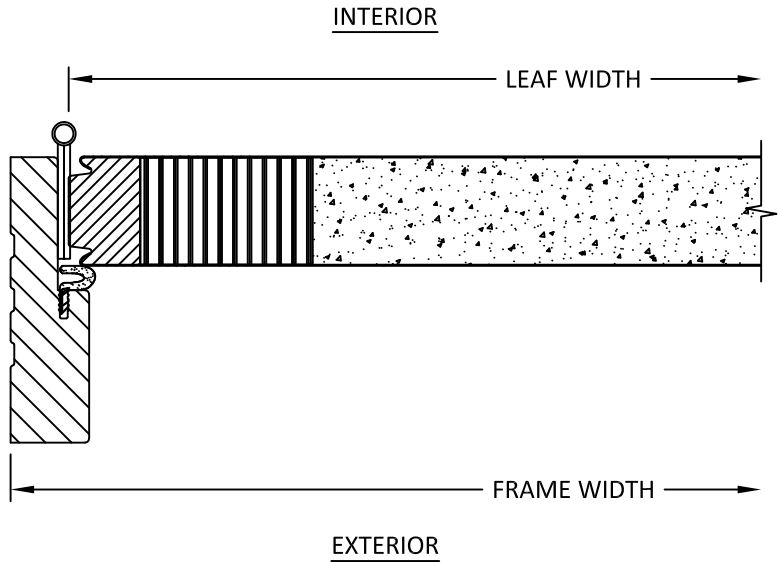
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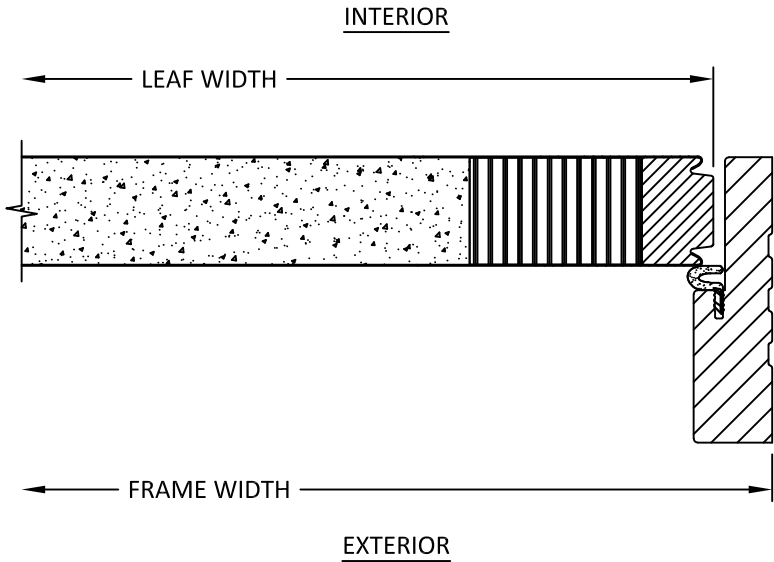
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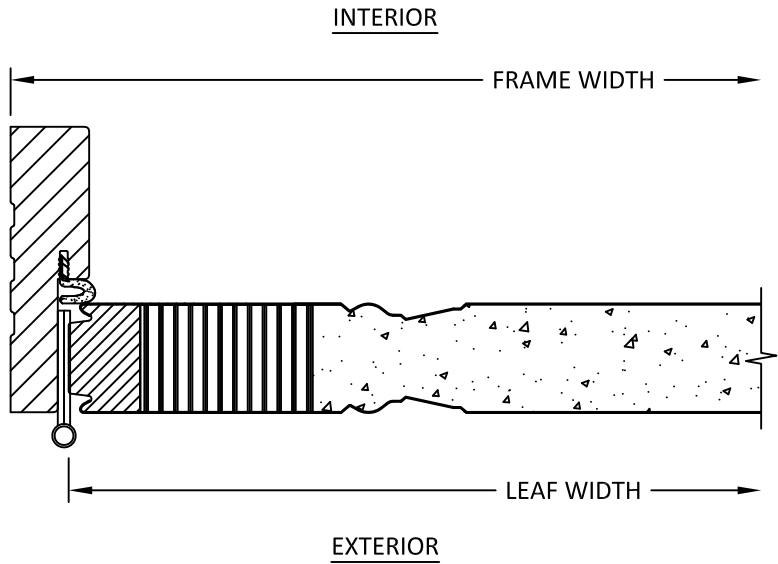
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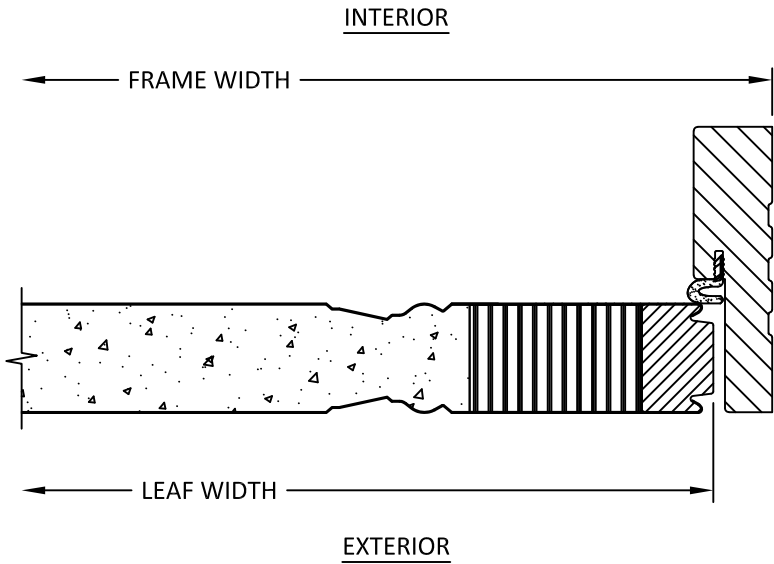
E
4 **HORIZONTAL SECTION**
INSWING DOOR HINGE JAMB
FLUSH PANEL SHOWN, EMBOSSED PANEL SIMILAR



F
4 **HORIZONTAL SECTION**
INSWING DOOR LOCK JAMB
FLUSH PANEL SHOWN, EMBOSSED PANEL SIMILAR



G
4 **HORIZONTAL SECTION**
OUTSWING DOOR HINGE JAMB
EMBOSSED PANEL SHOWN, FLUSH PANEL SIMILAR



H
4 **HORIZONTAL SECTION**
OUTSWING DOOR LOCK JAMB
EMBOSSED PANEL SHOWN, FLUSH PANEL SIMILAR



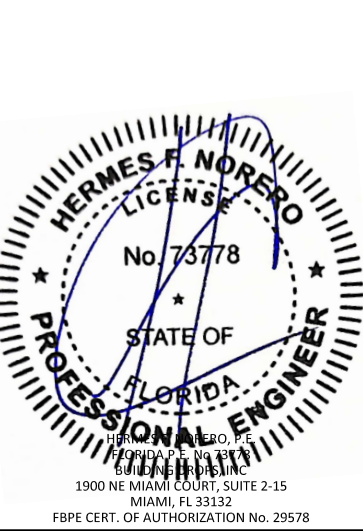
FANGDA DOOR

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TITLE: STEEL DOOR (WZ3) (IMPACT) HORIZONTAL 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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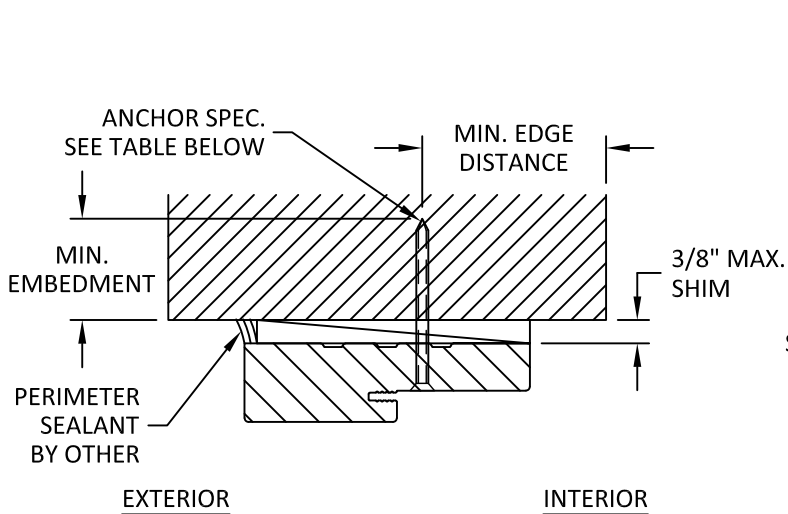


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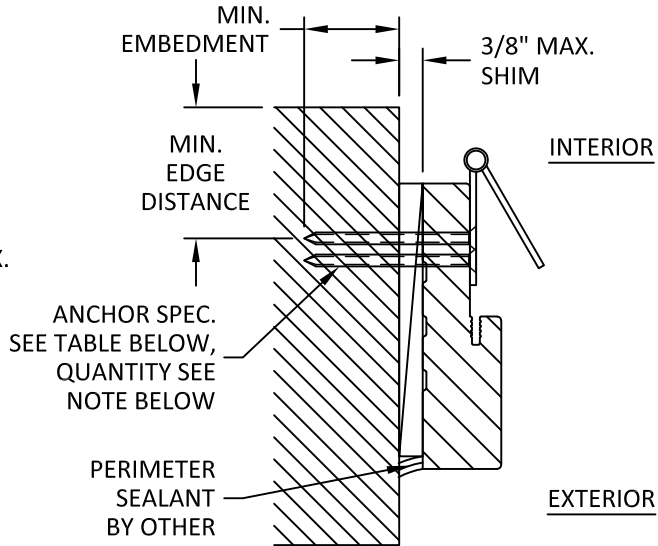
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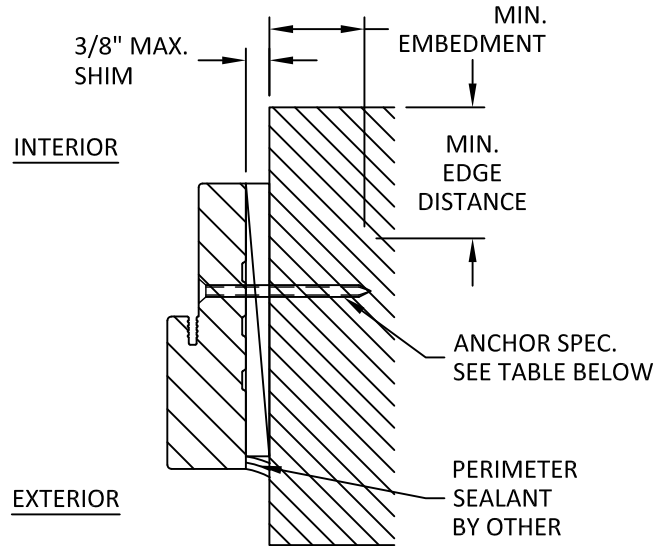


I
5 **INSTALLATION DETAIL**
DOOR HEAD
INSWING SHOWN, OUTSWING SIMILAR



J
5 **INSTALLATION DETAIL**
HINGE JAMB
INSWING SHOWN, OUTSWING SIMILAR

FOUR (4) ANCHORS PER HINGE ON WOOD, STEEL, OR ALUMINUM SUBSTRATE.
TWO (2) ANCHORS PER HINGE WITH 3" MIN. SPACING ON CONCRETE OR MASONRY SUBSTRATE.



K
5 **INSTALLATION DETAIL**
LOCK JAMB
INSWING SHOWN, OUTSWING 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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(WZ3) (IMPACT)

INSTALLATION DETAILS & NOTES

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