

I-PIVOT DOOR SERIES

OUTSWING PIVOT WOOD DOORS

FLORIDA STATE APPROVAL

CODE VERSION: FLORIDA BUILDING CODE 2026 - 9th EDITION

APPROVED FOR USE INSIDE HVHZ AND OUTSIDE HVHZ

CATEGORY: EXTERIOR DOORS -- SUBCATEGORY: SWINGING EXTERIOR DOOR ASSEMBLY

IMPACT RESISTANT: LARGE MISSILE

GENERAL NOTES:

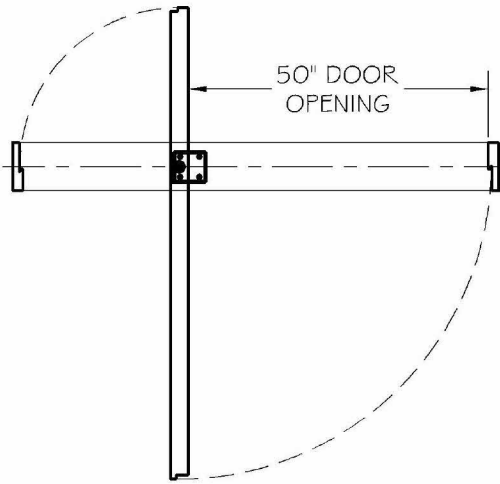
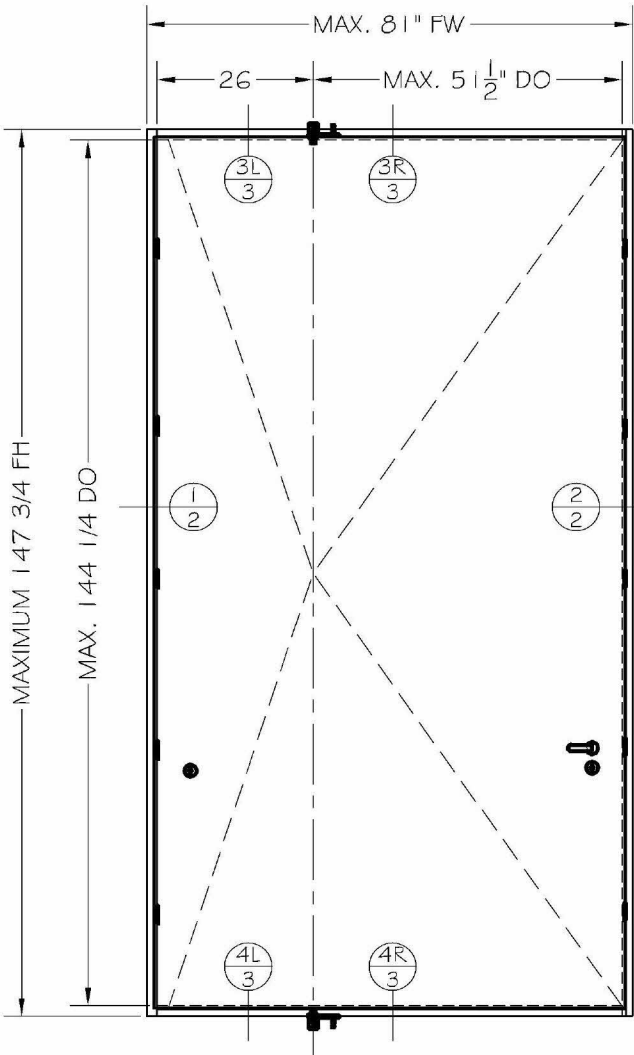
- 1- CODE: THIS PRODUCT HAS BEEN TESTED UNDER PROTOCOLS TAS 201, 202 AND 203 AND DESIGNED IN ACCORDANCE WITH THE FBC 2026 - 9TH EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS AN EXTERIOR OUT SWING WOOD TYPE DOOR DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (LARGE & SMALL MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL.
- 3- POSTING: PRODUCT SHALL BE LABELED AS PER FBC SECTION 1703.5. THE PERMANENT LABEL, MARKING OR ETCHING SHALL PROVIDE TRACEABILITY TO THE MANUFACTURER AND PRODUCT.
- 4- LOADS: DESIGNED LOAD CALCULATED BASED ON THE ASCE 7-22 AND PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE PRESSURES HERE IN SPECIFIED. THE DESIGN PRESSURES, AS DETERMINED FROM ASCE 7-22, ARE PERMITTED TO BE MULTIPLIED BY 0.6 AS PER THE FLORIDA BUILDING CODE.
- 5- MATERIAL:
5.1- ALL WOOD TO BE WITH MINIMUM 0.55 SPECIFIC GRAVITY CORRECTED FOR 12% MOISTURE CONTENT PER NDS 0.58 RAW. DENSITY OF BUTCHER BLOCK CONSTRUCTION WITH VENEER 0.535 g/cm³.
5.2- GLAZING: LAMINATED IMPACTED RATED AS SPECIFIED IN THIS APPROVAL
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

DESIGN RATING (WIND)
Pd= +60** PSF, -65 PSF

**SEE SHEET 9 NOTES
TAS 202: +65, -65 PSF
TAS 203: +65 PSF, -65 PSF
TAS 201: LARGE & SMALL MISSILE

OPERATING FORCE
WATER RESISTANCE: ASTM E331
9 PSF -- (15% OF +60 PSF)
AIR INFILTRATION: ASTM E283
FORCE ENTRY: AAMA 1304 (SINGLE DOOR)

ELEVATION TESTED UNIT



Pedro Figueiredo

Digitally signed by Pedro Figueiredo

Date: 2026.08.14 09:51:41 -04'00'

Pedro De Figueiredo
PE 52609
07/31/2026

DIGITALLY SIGNED FOR 9 PAGES

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PEDRO DE FIGUEIREDO, PE 52609 ON THE DATE INDICATED HERE.

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1 OF 9	GENERAL NOTES, TABLE OF CONTENTS, TYPICAL ELEVATION
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PPMF Inc.

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MANUFACTURER:
WOOD FINISHING
SERVICE LLC
222 NE 27TH STREET
MIAMI- FLORIDA- 33137
TEL: (561) 939-3368

SCALE:

NA

DATE:

07/29/2026

DRAWING #

26-153

SHEET

1 OF 9

ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

A circular professional engineer seal for Pedro M. de Figueiredo. The seal has a red dotted outer border. Inside, the text "PEDRO M. DE FIGUEIREDO" is written in blue, uppercase letters along the top arc. Below this, the word "LICENSE" is written in blue, uppercase letters. In the center, the number "No. 52609" is written in blue. Below the number is a red five-pointed star. Under the star, the words "STATE OF" and "FLORIDA" are written in blue, uppercase letters. Along the bottom arc, the words "PROFESSIONAL ENGINEER" are written in blue, uppercase letters. There are three red five-pointed stars: one on the left, one in the center below the license number, and one on the right.

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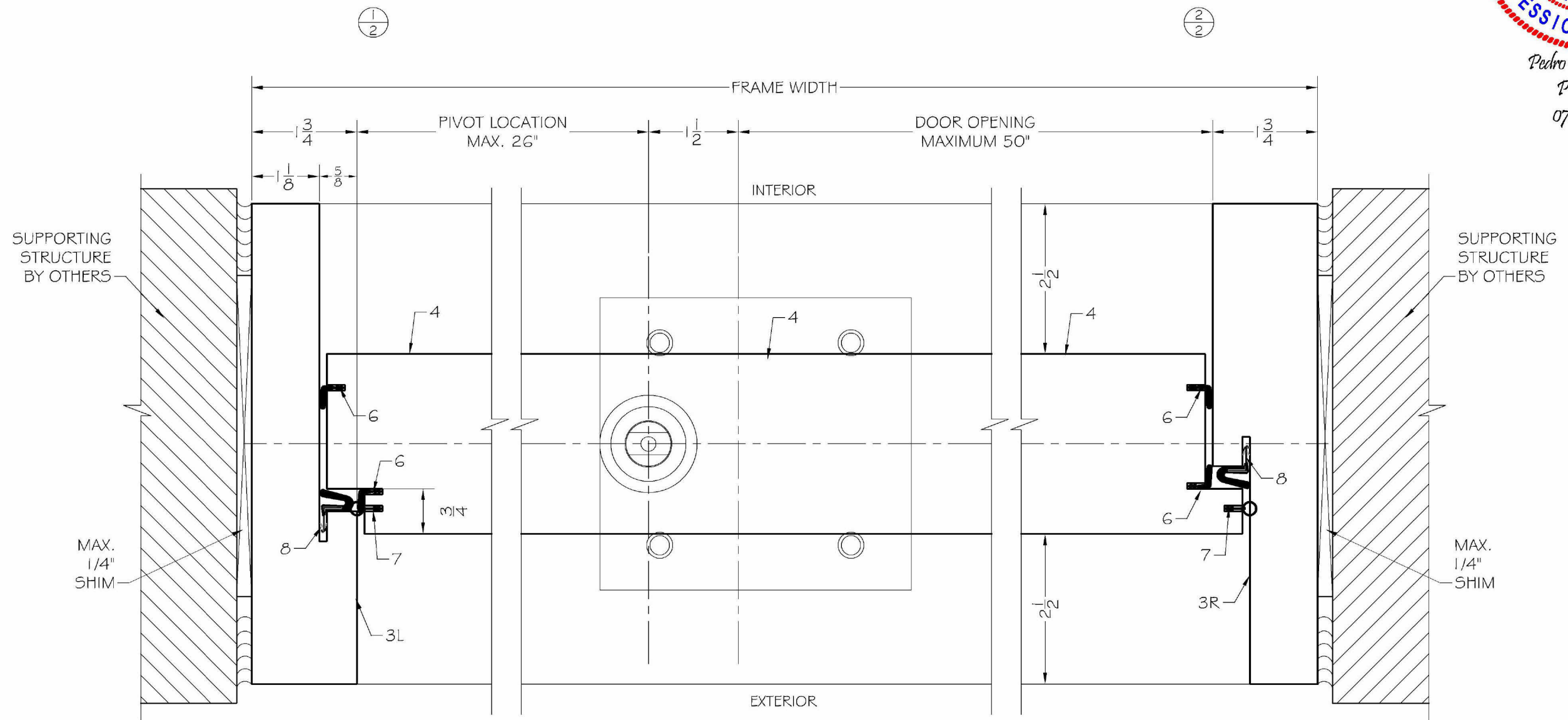
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SHEET

2 OF 9

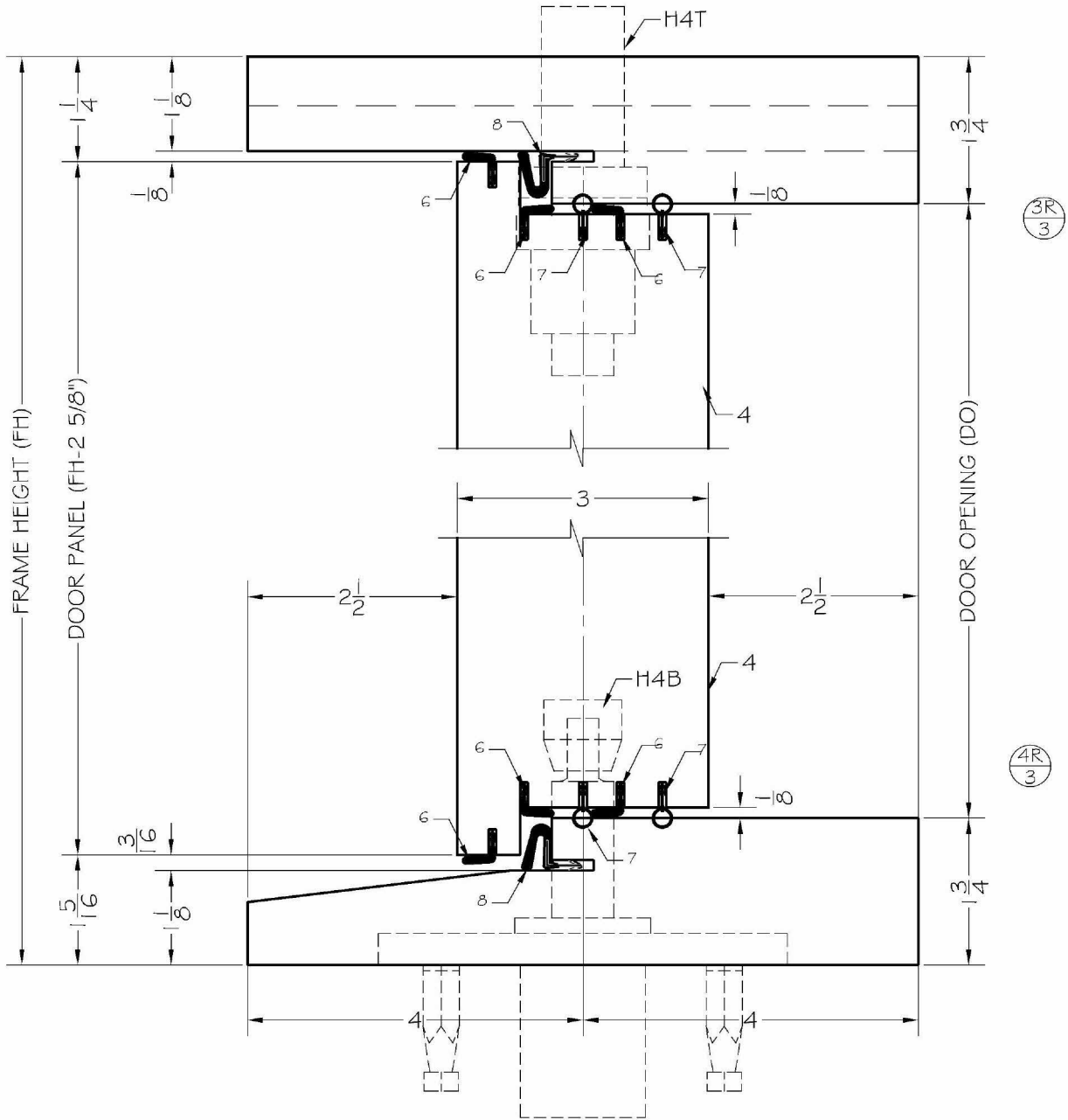


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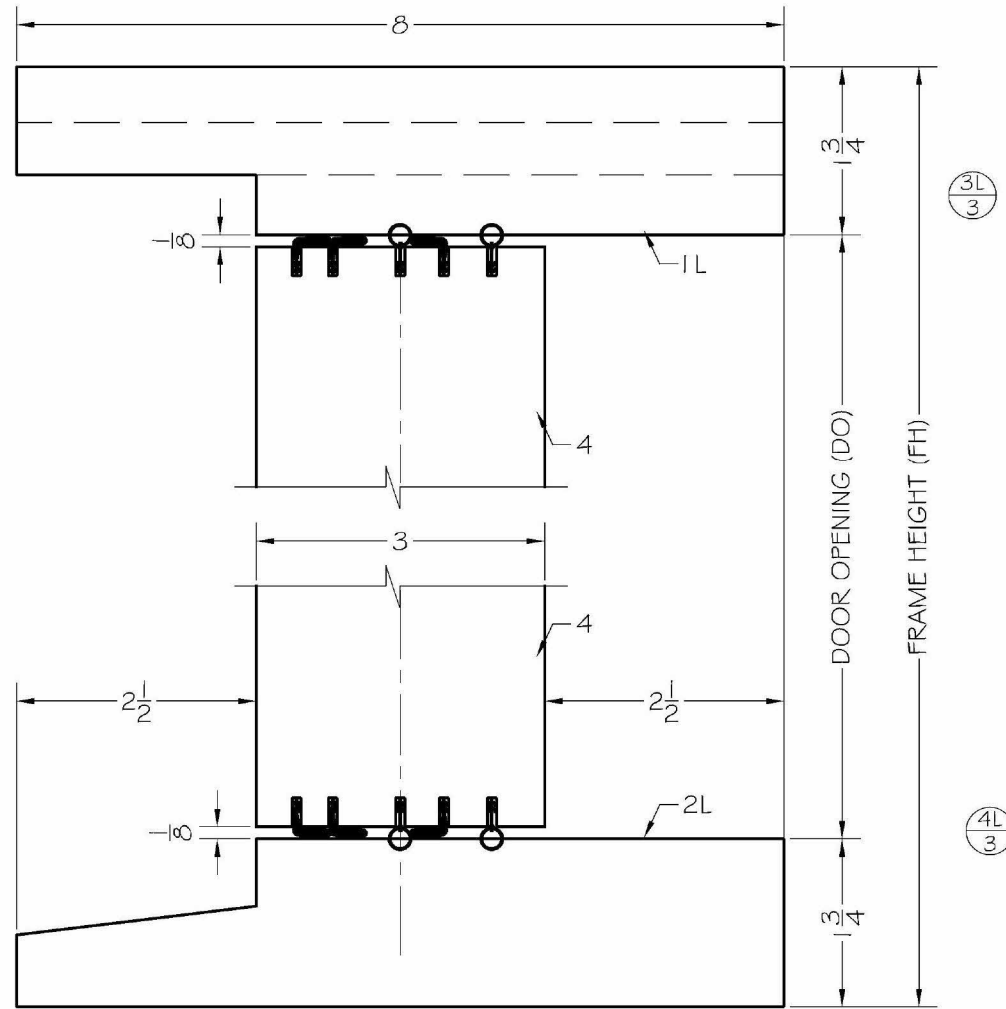
SEE SHEET 4 FOR FRAME ANCHORAGE OPTIONS

VERTICAL SECTIONS

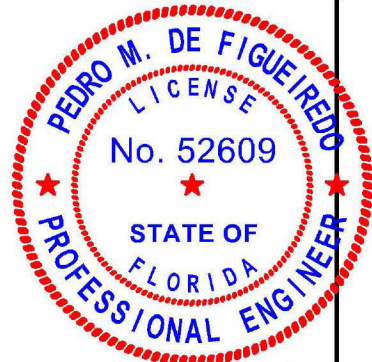
VERTICAL SECTION RIGHT SIDE OF PIVOT



VERTICAL SECTION LEFT SIDE OF PIVOT



SEE SHEET 4 FOR FRAME ANCHORAGE OPTIONS



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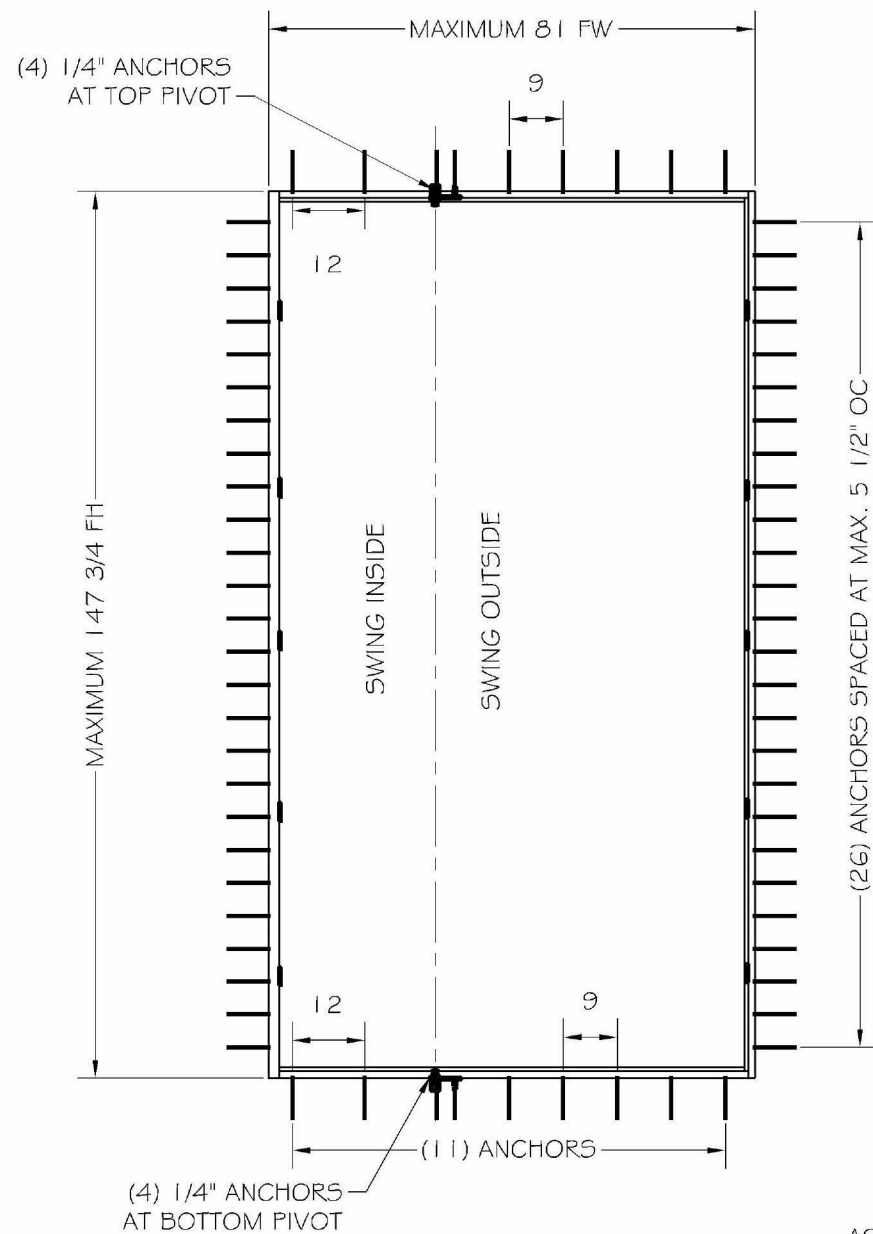
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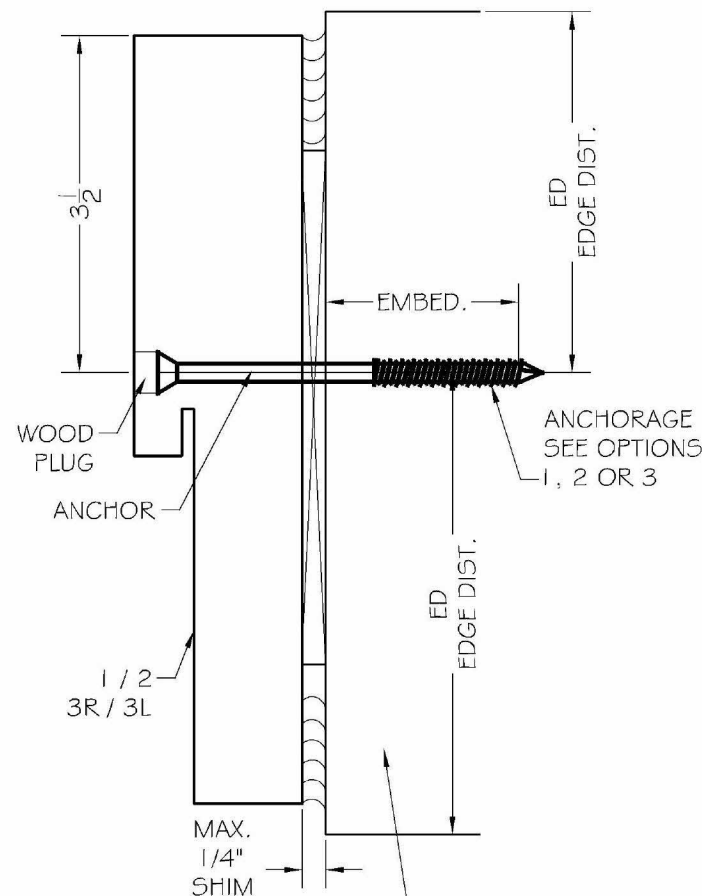
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FRAME ANCHORAGE LAY-OUT AND OPTIONS



SUBSTRATE: CONCRETE MIN. 3 KSI
GROUT FILLED MASONRY,
WOOD STRUCTURE (SG>0.55),
OR 1/8" METAL FRAMING
ASTM A36 STEEL OR 6063-T6 ALUMINUM

OPTION 1 - FRAME MOUNTED DIRECTLY INTO SUBSTRATE

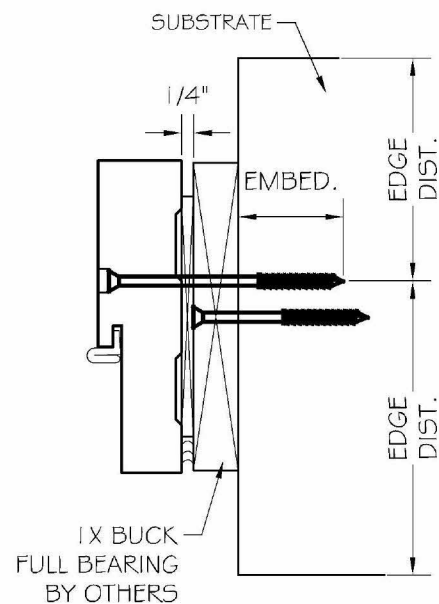
1.1 - GROUT FILLED CMU OR CONCRETE SUBSTRATE
1/4" MAXIMUM SHIM, 1 3/4" MIN. EMBEDMENT
2 1/2" MINIMUM EDGE DISTANCE
ANCHORS TYPE: A OR A1

1.2 - METAL SUBSTRATE (ALUMINUM OR STEEL)
1/4" MAXIMUM SHIM, MIN. 3 TREADS EMBEDMENT
1" MINIMUM EDGE DISTANCE
ANCHORS TYPE: B OR B1

1.3 - WOOD STRUCTURE WITH MIN SG= 0.55
1/4" MAXIMUM SHIM, 1 1/2" MIN. EMBEDMENT
1" MINIMUM EDGE DISTANCE
ANCHORS TYPE: A OR A1

SEE SHEET 8 FOR ANCHOR SELECTION
CONCRETE WITH MIN. 3 KSI CONCRETE
1/8" METAL MADE OF 6063-T6 ALUMINUM, ASTM A36 STEEL
REFER TO ELEVATIONS FOR ANCHORS QTY. AND LAY-OUT

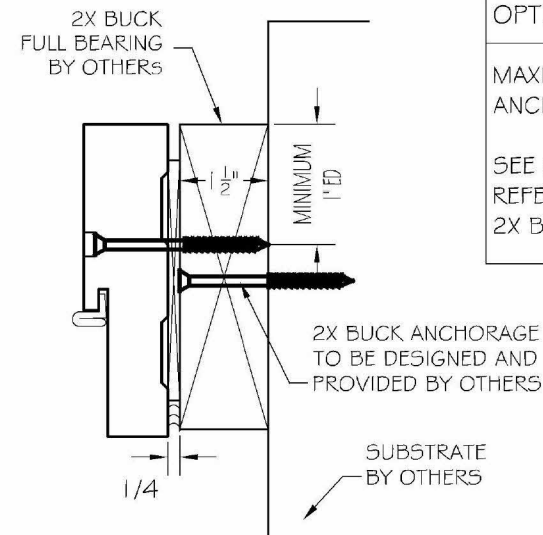
SILL, HEADER AND JAMB ANCHORS CAN BE
CONSIDERED INTERIOR UNCONDITIONED UNVENTED
WHEN THE ANCHOR HEADS ARE COVERED WITH
THE SILICONE PLUS WOOD PLUGS



OPTION 2 - FRAME MOUNTED OVER 1X NON-STRUCTURAL CONT. WOOD SPACER

MAXIMUM 1/4" SHIM, 2 1/2" ED (TYPE A, A1), 1" ED (TYPE B, B1)
ANCHOR TYPE A, A1 INSTALLED W/ 1 3/4" MIN. EMBED. - G.F. MASONRY
ANCHOR TYPE A, A1 INSTALLED W/ 1 1/2" MIN. EMBED. - WOOD SG>=0.55
ANCHOR TYPE B, B1 INSTALLED W/ 3 TREADS MIN. - 1/8" THICK METAL

SEE SHEET 8 FOR ANCHOR SELECTION
REFER TO ELEVATIONS FOR ANCHORS QTY. AND LAY-OUT)
1X BUCK TO BE PROPERLY DESIGNED AND PROVIDED BY OTHERS.



OPTION 3 - FRAME MOUNTED INTO 2X PT WOOD BUCK (SG>=0.55)

MAXIMUM 1/4" SHIM - 1 1/2" MIN. EMBEDMENT
ANCHORS: TYPE A, A1, C OR C1

SEE SHEET 8 FOR ANCHOR TYPE SELECTION
REFER TO ELEVATIONS FOR ANCHORS QTY. AND LAY-OUT)
2X BUCK OR SUBSTRATE TO BE DESIGNED BY OTHERS



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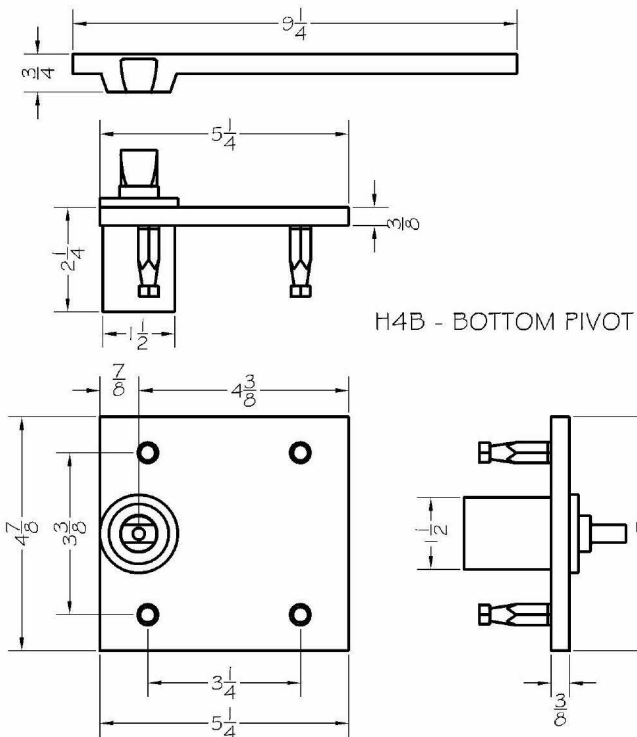
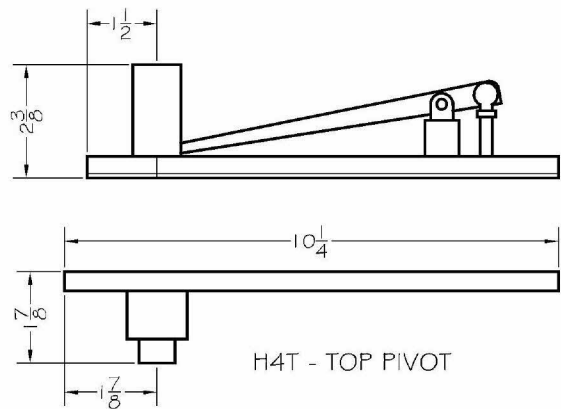
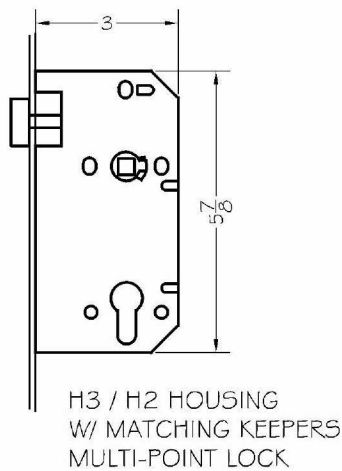
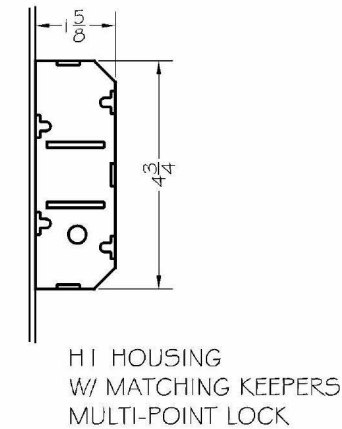
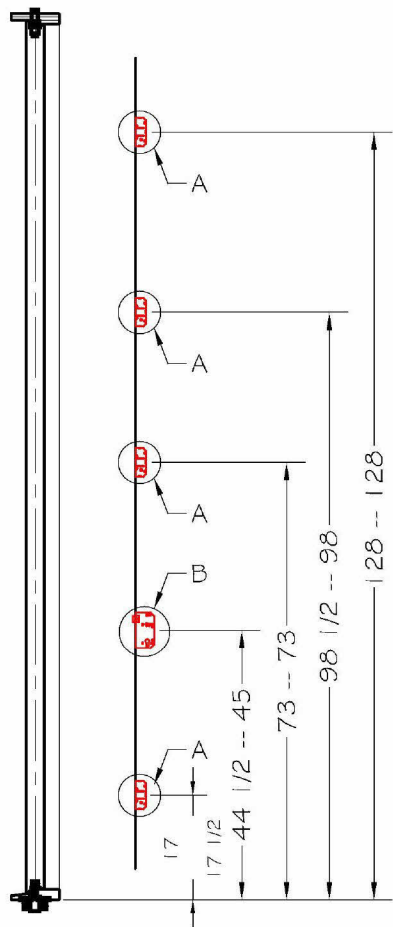
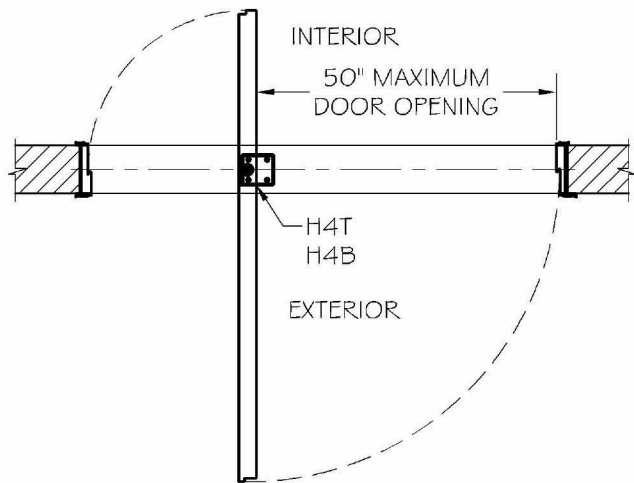
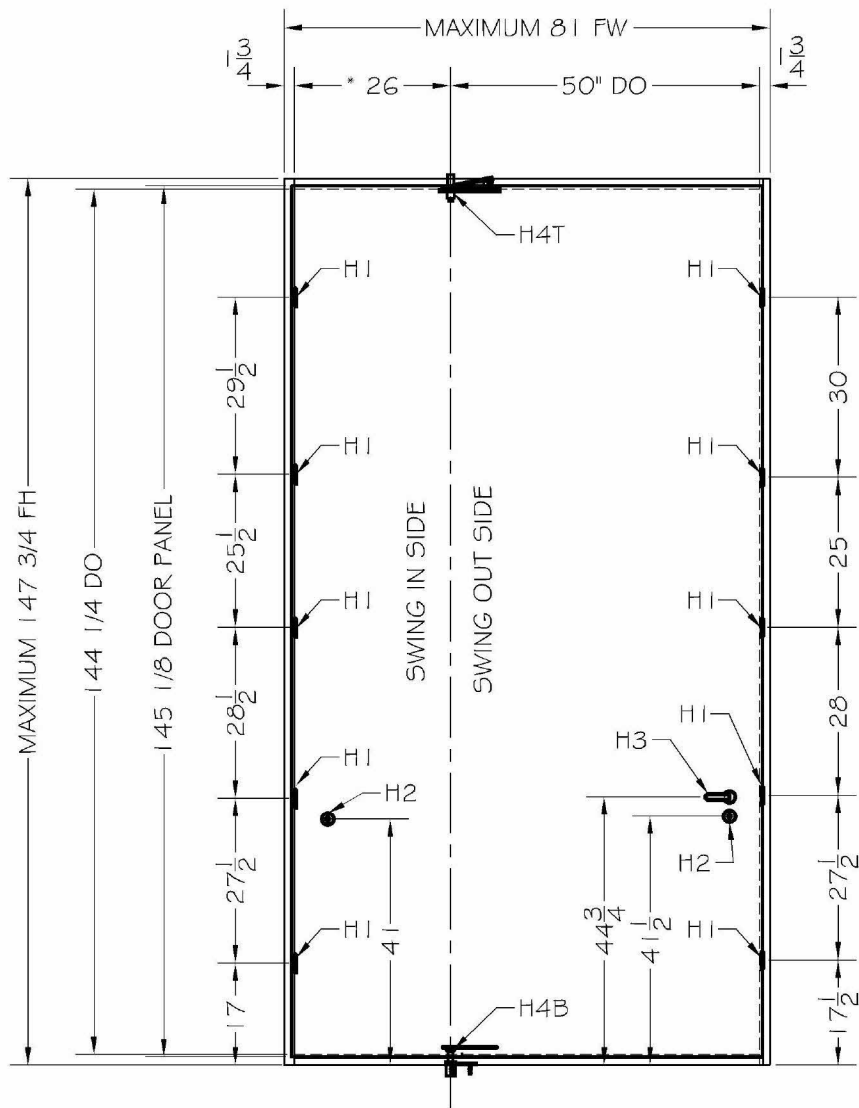
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SHEET
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HARDWARE LAY-OUT

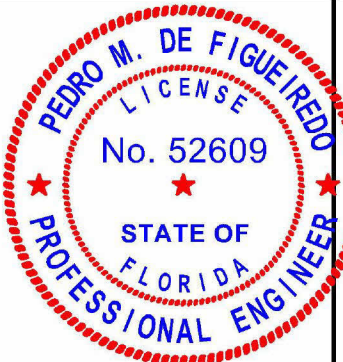


HARDWARE NOTES:

- H1 - FLUSH MOUNTED METTALIC KEEPERS WITH NO MARKINGS. SECURED TO JAMBS WITH (4) #8X 1 1/4" FLAT HEAD WOOD SCREWS. SEE ELEVATION FOR LOCATION.
- H2- SURFACE MOUNT MULTI-POINT LOCK SYSTEM WITH ACTIVATING KEY OPERATOR ON THE EXTERIOR AND THUMB TURN ON THE INTERIOR WITH PRODUCT MARKINGS NF. SECURED WITH (17) #8X 1 1/4" FLAT HEAD WOOD SCREWS. LOCATED AT 41" FROM THE BOTTOM.
- H3- SURFACE MOUNT METTALIC DEAD BOLT WITH KEY OPERATOR ON THE EXTERIOR AND THUMB TURN ON THE INTERIOR WITH PRODUCT MARKING WOOD FINISHING SERVICE. SECURED WITH (2) #8-36 X 1 1/8" OVAL HEAD MACHINE SCREWS. LOCATED AT 41 1/2" FROM THE BOTTOM.
- H4T- TOP PIVOT - SECURED TO BUCK WITH (4) 1/4" X 2 1/4" FLAT HEAD WOOD SCREWS
- H4B- BOTTOM PIVOT - SECURED TO BUCK WITH (4) 1/4" X 2 1/4" FLAT HEAD WOOD SCREWS

TABLE 1 (PIVOT LOCATION FUNCTION OF THE DOOR OPENING SIZE)

DOOR OPENING	* PIVOT LOCATION	MAXIMUM FRAME WIDTH
50"	26"	81"
48"	25"	78"
42"	22"	69"
36"	19"	60"
30"	16"	51"
24"	13"	42"



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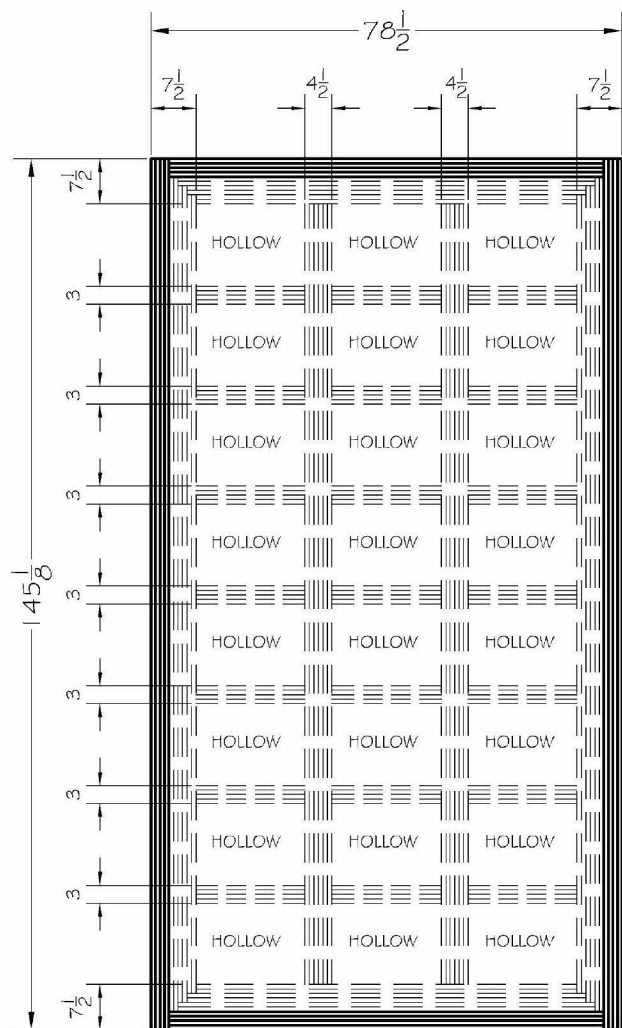
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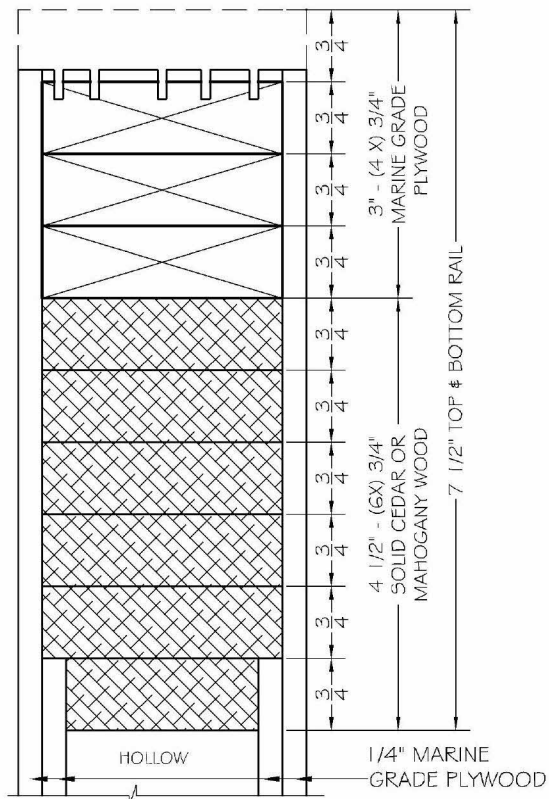
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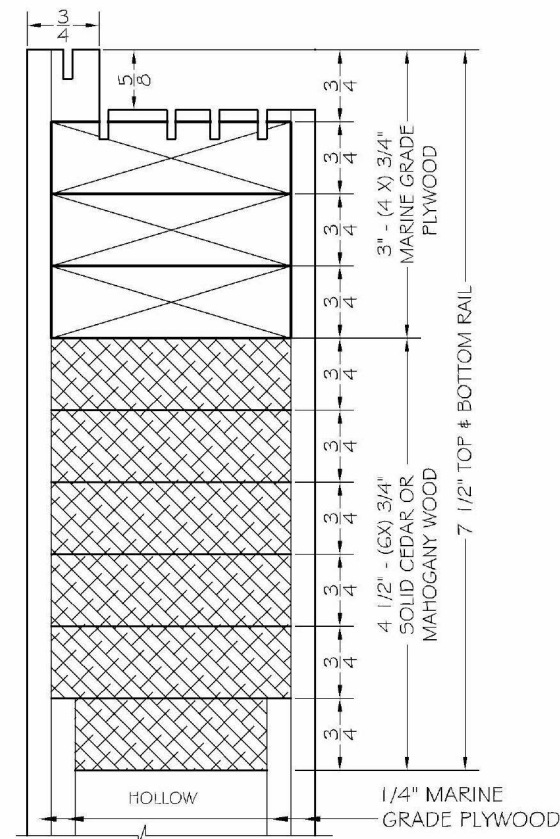
DOOR COMPONENTS



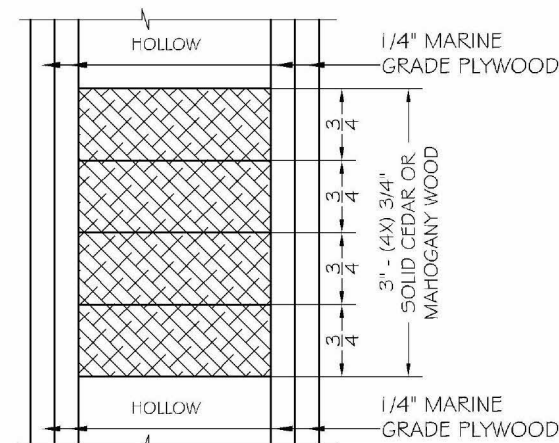
4- DOOR SLAB CONSTRUCTION LAY-OUT
DOOR PANEL CONSTRUCTED USING CEDAR OR MAHOGANY WOOD AND MARINE GRADE PLYWOOD. WOOD SECTIONS SECURED TOGETHER USING MULTI-BOND ADVANTAGE II GLUE



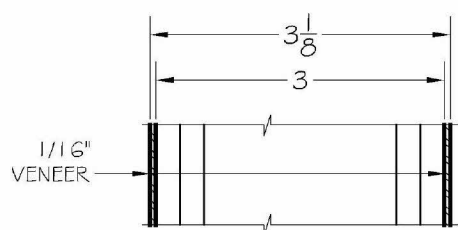
4- DOOR SLAB
PERIMETER TOP & BOTTOM RAIL
LEFT SIDE OF THE PIVOT



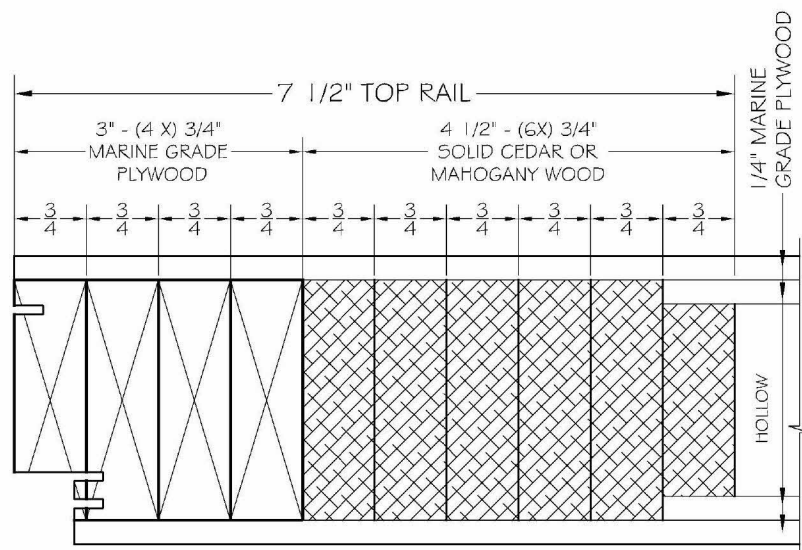
4- DOOR SLAB
PERIMETER TOP & BOTTOM RAIL
RIGHT SIDE OF THE PIVOT



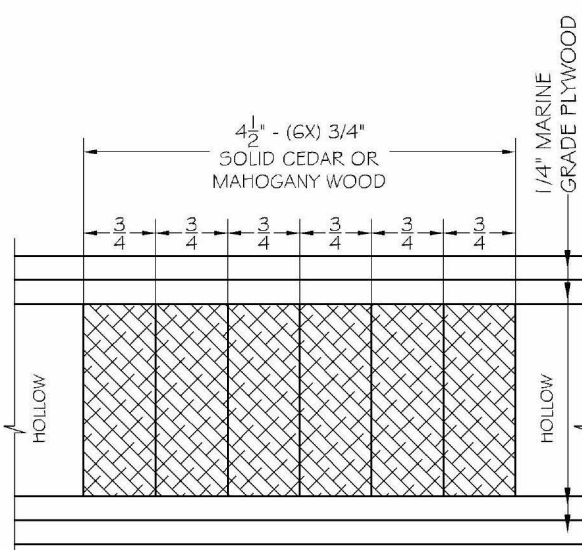
4- DOOR SLAB
HORIZONTAL STIFFENER



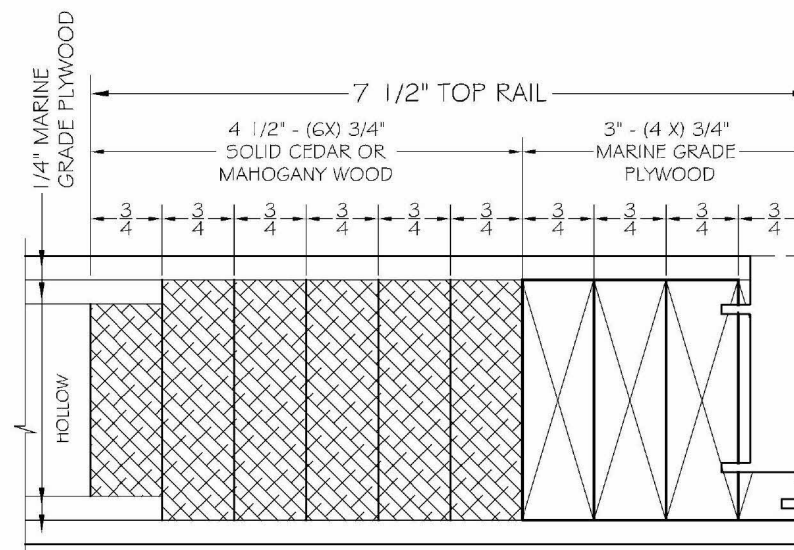
OPTIONAL CLADDING:
1/16" MAHOGANY VENEER
VENEER GLUED WITH
EPOXY RESIN



4- DOOR SLAB
PERIMETER SIDE RAIL LAY-OUT - LEFT SIDE OF THE PIVOT



4- DOOR SLAB
VERTICAL STIFFENER



4- DOOR SLAB
PERIMETER SIDE RAIL LAY-OUT - RIGHT SIDE OF THE PIVOT



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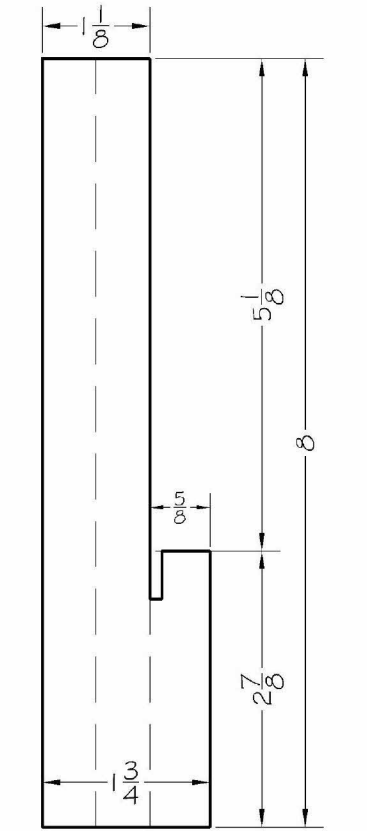
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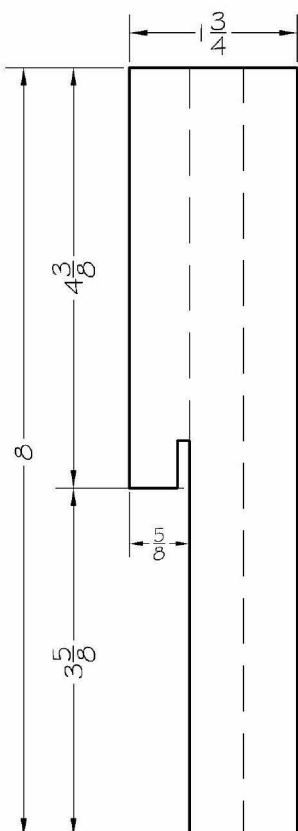
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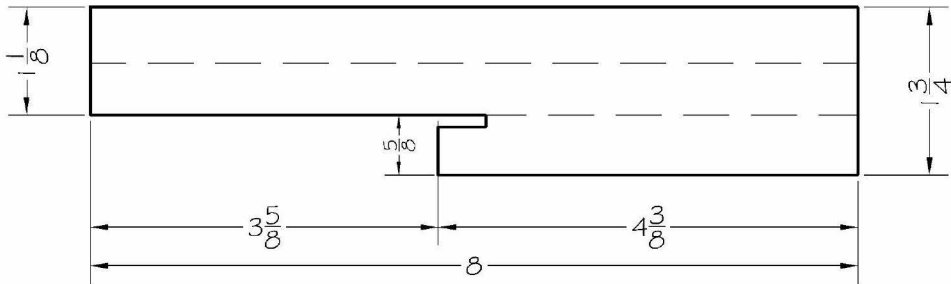
FRAME COMPONENTS



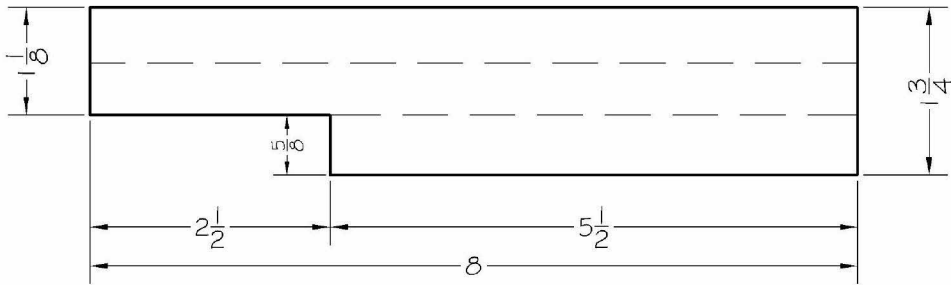
3L- IN-SWING SIDE JAMB
LAMINATED MAHOGANY WOOD



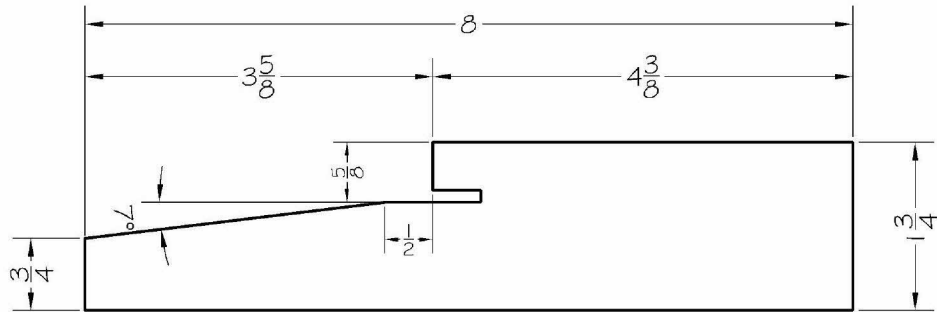
3R- OUT-SWING SIDE JAMB
LAMINATED MAHOGANY WOOD



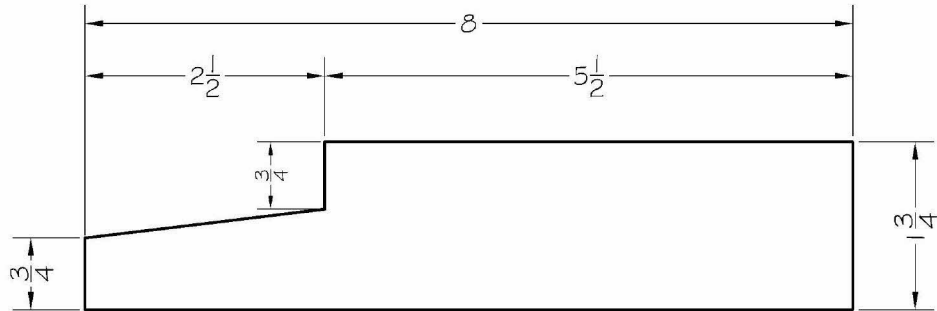
1 R- HEADER LAMINATED MAHOGANY WOOD
RIGHT SIDE OF THE PIVOT



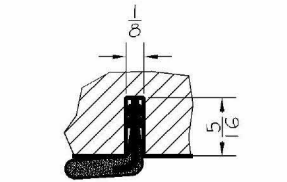
1 L- HEADER LAMINATED MAHOGANY WOOD
LEFT SIDE OF THE PIVOT



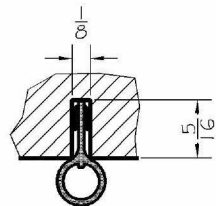
2R- SILL - SOLID MAHOGANY WOOD
RIGHT SIDE OF THE PIVOT



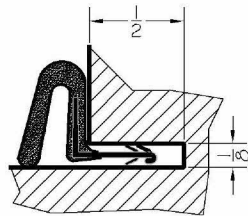
2L- SILL - SOLID MAHOGANY WOOD
LEFT SIDE OF PIVOT



6- DOOR WEATHERSTRIP
QEZ 320 BY SCHLEGEL



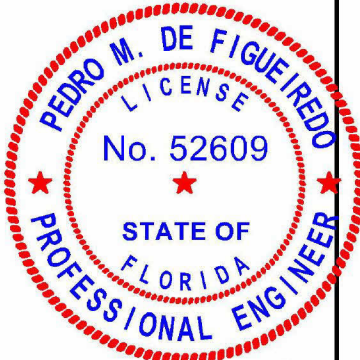
7- DOOR WEATHERSTRIP
AP 425 D BY SCHLEGEL



8- FRAME WEATHERSTRIP
QEBD 650 BY SCHLEGEL

BILL OF MATERIALS:

PART#	DESCRIPTION	MATERIAL
1	1 3/4 X 8 HEADER	LAMINATED WOOD
2	1 3/4 X 8 THRESHOLD	SOLID WOOD
3L	1 3/4 X 8 JAMB	LAMINATED WOOD
3R	1 3/4 X 8 JAMB	LAMINATED WOOD
4	DOOR PANEL	ENGINEER WOOD - SEE LAY-OUT
5		
6	DOOR WEATHERSTRIP	QEZ 320 BY SCHLEGEL
7	DOOR WEATHERSTRIP	AP 425 D BY SCHLEGEL
8	FRAME WEATHERSTRIP	QEBD 650 BY SCHLEGEL
H1	MULTI-POINT LOCK	HARDWARE 1 - METALLIC
H2	MULTI-POINT LOCK	HARDWARE 2 - METALLIC
H3	MULTI-POINT LOCK	HARDWARE 3 - METALLIC
H4T	TOP PIVOT	HARDWARE 4T - METALLIC
H4B	BOTTOM PIVOT	HARDWARE 4B - METALLIC



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TABLE 1711.1 - CORROSION RESISTANCE OF FASTENERS

EXPOSURE		BUILDING LOCATION FROM COASTAL SHORELINE	
		≤ 300 FEET	>300 AND ≤3000 FEET
EXTERIOR	PARTIALLY SHELTERED	STAINLESS STEEL SECTION 1711.1.1.1	GALVANIZED SECTION 1711.1.1.2
	OPEN EXPOSED		
INTERIOR UNCONDITIONED ENCLOSED		GALVANIZED SECTION 1711.1.1.2	GALVANIZED SECTION 1711.1.1.2

SILL, HEADER AND JAMB ANCHORS CAN BE CONSIDERED INTERIOR UNCONDITIONED UNVENTED WHEN THE ANCHOR HEADS ARE COVERED WITH THE SILICONE PLUS WOOD PLUGS

MARK	ANCHOR TYPE OPTIONS	SUBSTRATE	COMPLIANCE
A	1/4" DIAMETER ULTRACON+ W/ STALGARD COATING ARE CONSIDERED AN ALTERNATIVE TO GALVANIZED FASTENERS COMPLYING WITH ASTM A153, CLASS D.	WOOD, CMU, CONCRETE	1711.1.1.2
AI	1/4" DIAM. AGGRE-GATOR BY DEWALT, BI-METAL ANCHOR WITH 300 SERIES (18-8) STAINLESS STEEL HEAD AND SHANK WITH HARDENED STEEL TAPPING THREADS AND GIMLET POINT W/ STALGARD GB COATING.	WOOD, CMU, CONCRETE	1711.1.1.1
B	1/4-20 DRILL-FLEX SELF DRILLING SCREWS COATED WITH STALGARD® TYPICALLY SHOW NO RUST OR OTHER BASE METAL CORROSION ON SIGNIFICANT SURFACES AFTER 1000 hrs OF SALT SPRAY EXPOSURE IN ACCORDANCE WITH ASTM B117	ALUMINUM, STEEL	1711.1.1.2
BI	1/4-20 BI-FLEX SEL-DRILLING SCREWS 300 SERIES (18-8) STAINLESS STEEL HEAD AND SHANK AND HARDENED STEEL TAPPING THREADS AND DRILL POINT	ALUMINUM, STEEL	1711.1.1.1
C	1/4-20 GALVANIZED GENERIC SCREWS MEETING THE CORROSION CRITERIA OF 1711.1.1.2	WOOD ALUMINUM, STEEL	1711.1.1.2
CI	1/4-20 STAINLESS STEEL GENERIC SCREWS MEETING THE CORROSION CRITERIA OF 1711.1.1.1	WOOD ALUMINUM, STEEL	1711.1.1.1

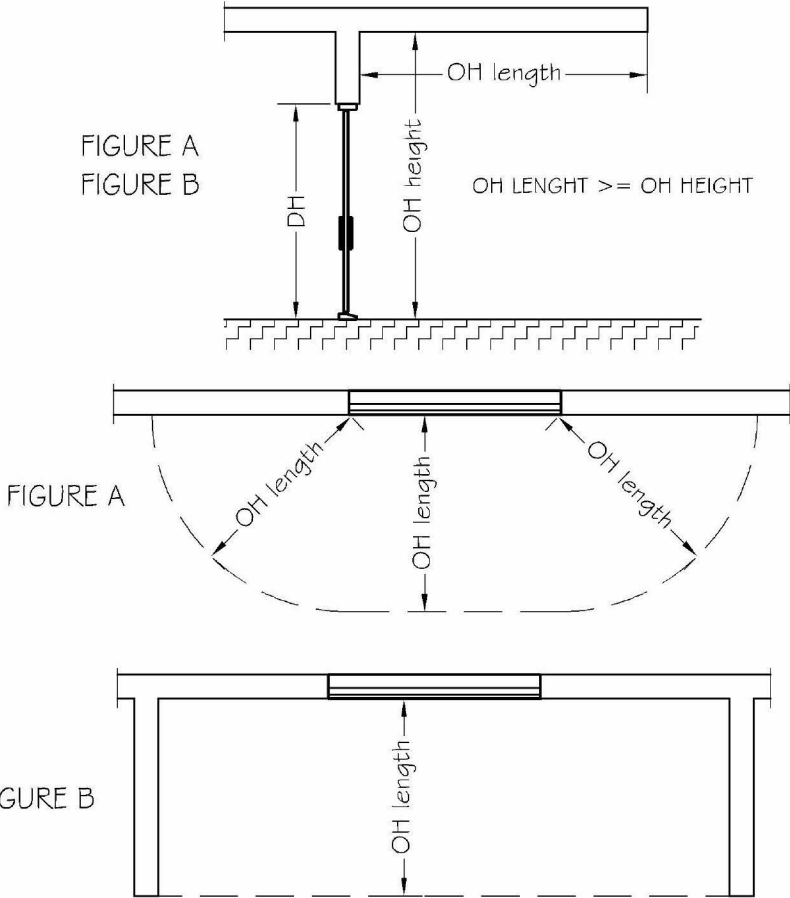
POSITIVE PRESSURE +65 PSF FOR INSTALLATIONS:

- 1- WITH AN OVERHANG MEETING FBC 2026 SECTION 1709.5.1
- OR
- 2- NONHABITABLE AREAS

THE OVERHANG RATIO MEETING SECTION 1709.5.1 SHALL BE CALCULATED BY THE FOLLOWING EQUATION:

OH RATIO = OH LENGTH / OH HEIGHT >= 1

WHERE:
OH LENGTH = THE HORIZONTAL MEASURE OF HOW FAR AN OVERHANG OVER A DOOR PROJECTS OUT FROM DOOR SURFACE AS SHOW IN FIGURE A. WHERE THE OVERHANG EXTENDS TO SIDE WALLS ON BOTH SIDES OF THE DOOR THAT HAVE A HEIGHT EQUAL TO THE OVERHANG HEIGHT, THE OH LENGTH IS AS SHOWN IN FIGURE B.
OH HEIGHT = THE VERTICAL MEASURE OF THE DISTANCE FROM THE DOOR SILL TO THE BOTTOM OF THE OVERHANG OVER A DOOR."



Pedro De Figueiredo
PE 52609
07/31/2026

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PEDRO DE FIGUEIREDO ON THE DATE INDICATED HERE.

PRODUCT:
I-PIVOT SERIES
OUTSWING PIVOT DOORS
LARGE & SMALL MISSILE
IMPACT RATED

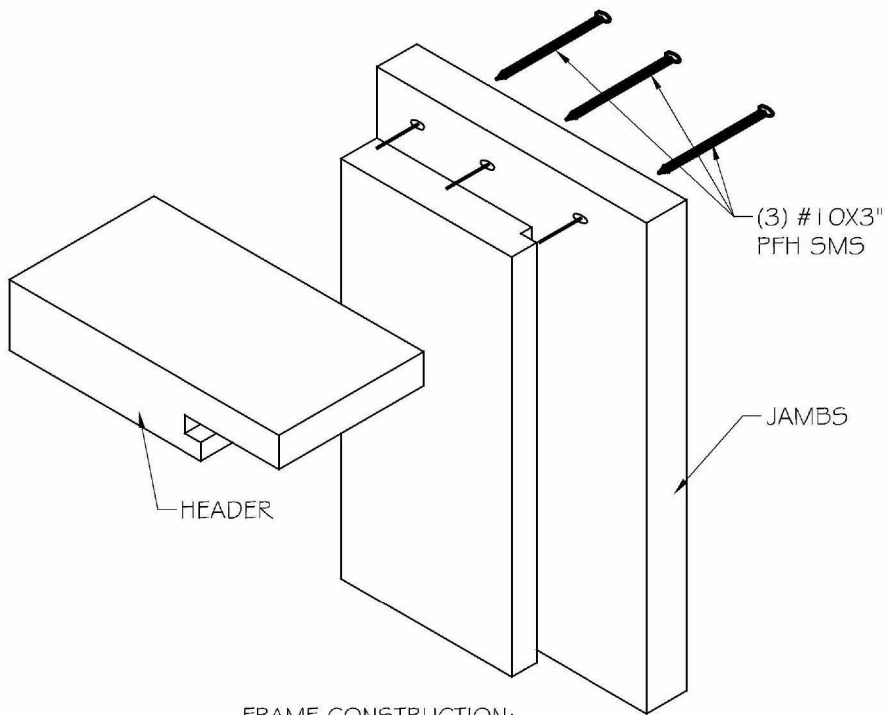
MANUFACTURER:
WOOD FINISHING
SERVICE LLC
222 NE 27TH STREET
MIAMI, FLORIDA 33137
TEL: (561) 939-3368

SCALE:
NA
DATE:
07/29/2026
DRAWING #
26-153
SHEET
8 OF 9

PPMF Inc.
ENGINEERING SERVICE - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM

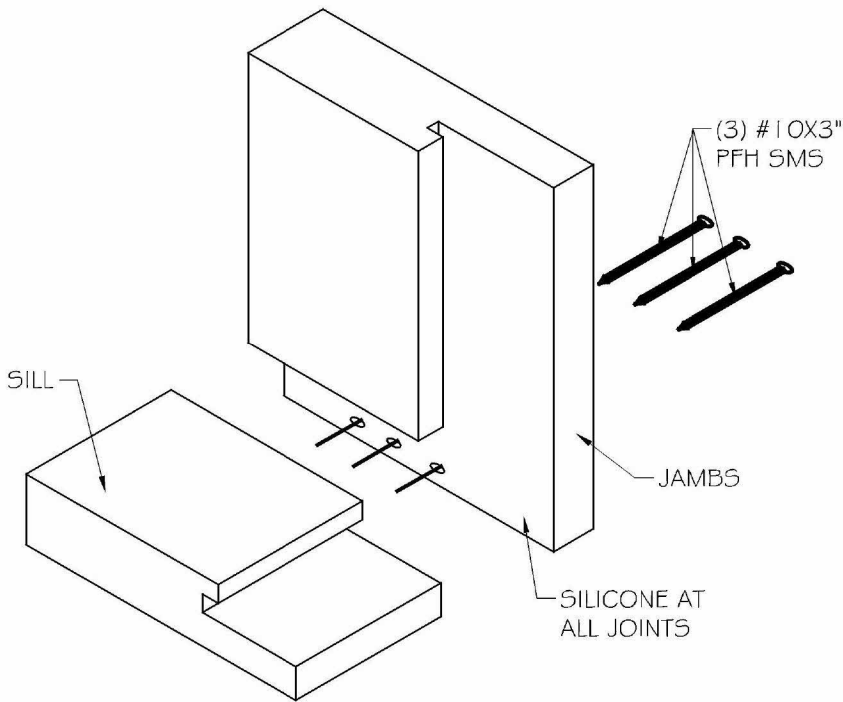
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

FRAME ASSEMBLY

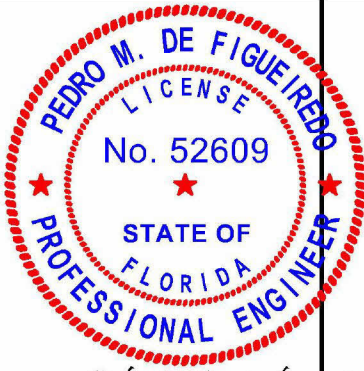


FRAME CONSTRUCTION:

THE JAMBS WERE RABBET AND BUTT JOINED WITH SILL AND HEADER USING (3) #10X3" PFH SMS IN EACH CORNER AND SEALED USING SILICONE. THE JAMBS, HEADER AND SILL HAD A NOTCH CUT-OUT TO ALLOW THE PLACEMENT OF THE WEATHERSTRIPPING.



SEALANT:
EXTERIOR PERIMETER WAS CAULKED WITH SIKAFLEX-1A SILICONE SEALANT. THE WOOD FINISHING SERVICE GLUE PART #M3 WAS USED TO GLUE THE MORTISE AND TENON JOINT.



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