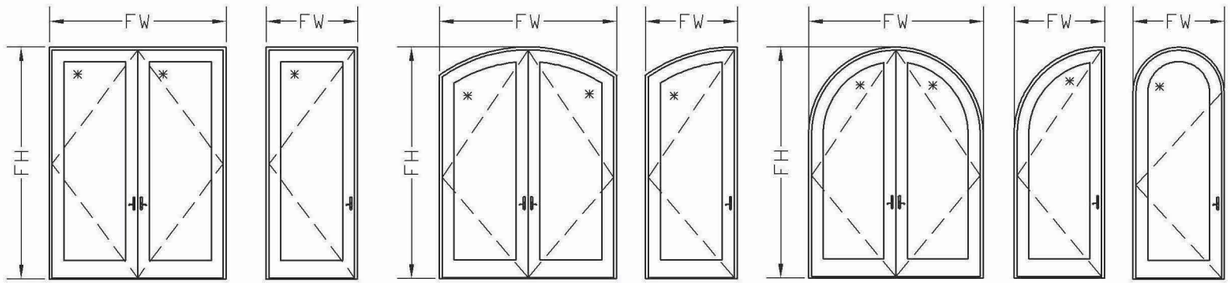
MODEL A - 6'X8' AND 3'X8' MODELS

* SEE SHEET 2 FOR PANEL OPTIONS



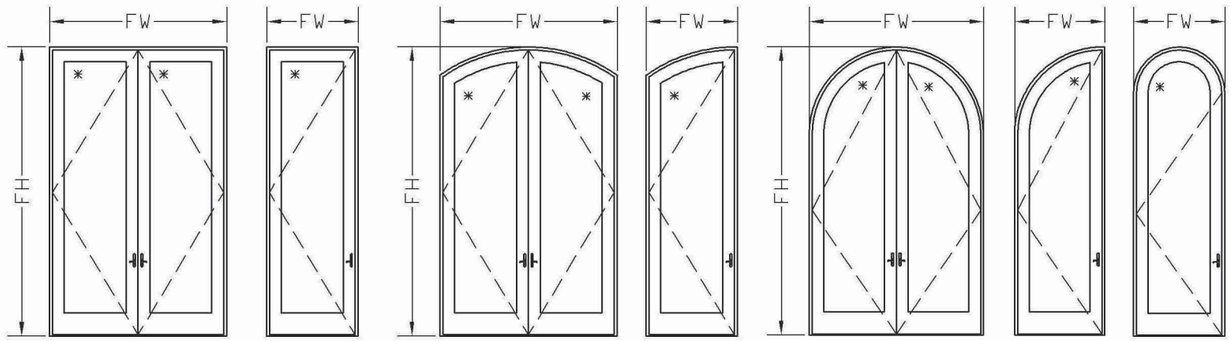
MODEL A1
RETANGULAR SHAPES
Pd= +53, -70 PSF

MODEL A2
ELLIPTICAL SHAPES
Pd= +53, -70 PSF

MODEL A3
ARCHED SHAPES
Pd= +53, -70 PSF

MODEL B - 6'X10' AND 3'X10' MODELS

* SEE SHEET 2 FOR PANEL OPTIONS



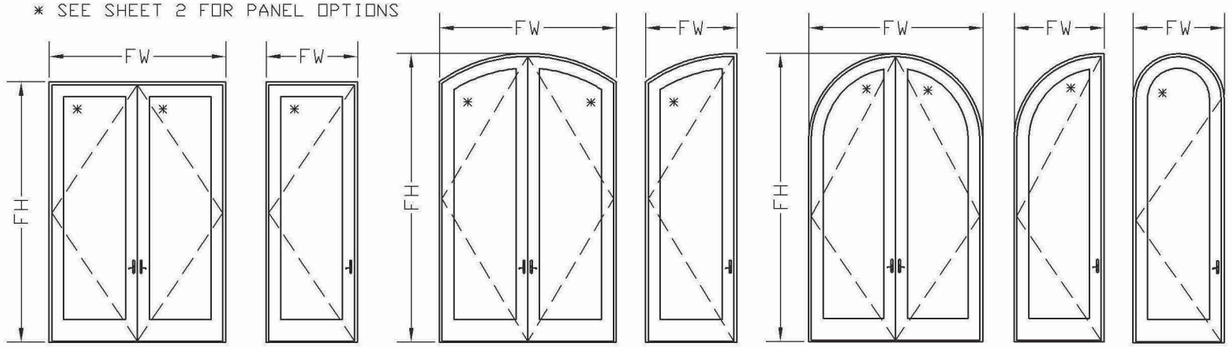
MODEL B1
RETANGULAR SHAPES
Pd= +53, -70 PSF

MODEL B2
ELLIPTICAL SHAPES
Pd= +53, -70 PSF

MODEL B3
ARCHED SHAPES
Pd= +53, -70 PSF

MODEL C - 6'X10' AND 3'X10' MODELS

* SEE SHEET 2 FOR PANEL OPTIONS



MODEL C1
RETANGULAR SHAPES
Pd= +53, -70 PSF (10')
Pd= +75, -83 PSF (9')

MODEL C2
ELLIPTICAL SHAPES
Pd= +75, -83 PSF

MODEL C3
ARCHED SHAPES
Pd= +75, -83 PSF

Pedro Figueiredo
Digitally signed by Pedro Figueiredo
Date: 2023.09.17 11:18:46 -04'00'

DIGITALLY SIGNED FOR 17 PAGES

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

PEDRO M. DE FIGUEIREDO
LICENSE
No. 52609
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Pedro De Figueiredo
09/17/2023

TABLE OF CONTENTS:

CONTENT	SHEETS
GENERAL NOTES & MODEL TYPES	1
DOOR PANEL OPTIONS	2
MODEL A DESIGN	3, 4, 5, 6
MODEL B DESIGN	7, 8, 9, 10
MODEL C DESIGN	11, 12, 13, 14, 15, 16, 17

GENERAL NOTES:

(FLORIDA BUILDING CODE 2023 - 8th edition)

1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2- DEFINITION: THIS PRODUCT IS A SWING OUT 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- LABELING: PRODUCT MUST BE LABEL IN ACCORDANCE WITH FBC. THE PERMANENT LABEL, MARKING OR ETCHING SHALL PROVIDE TRACEABILITY TO THE MANUFACTURER AND PRODUCT.

4- PROJECT DESIGN PRESSURES: THE PROJECT DESIGNED PRESSURES MUST BE CALCULATED BASED ON ASCE 7-22, BY A PROFESSIONAL ARCHITECT OR ENGINEER. THE PROJECT ULTIMATE DESIGNED PRESSURE, AS DETERMINED BY ASCE-22, ARE PERMITTED TO BE MULTIPLIED BY 0.6 AND THEY MUST NOT EXCEED THE ALLOWABLE PRODUCT PRESSURE SPECIFIED HERE-IN.

5- MATERIAL: ALL WOOD PARTS TO BE SOLID OR LAMINATED MAHOGANY OR ANY OTHER SPECIES WITH SPECIFIC GRAVITY GREATER OR EQUAL TO 0.45.

6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR QUANTITY & SPACING MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.

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.

8- WOOD BUCKS (1x or 2x) BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
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PE 52609

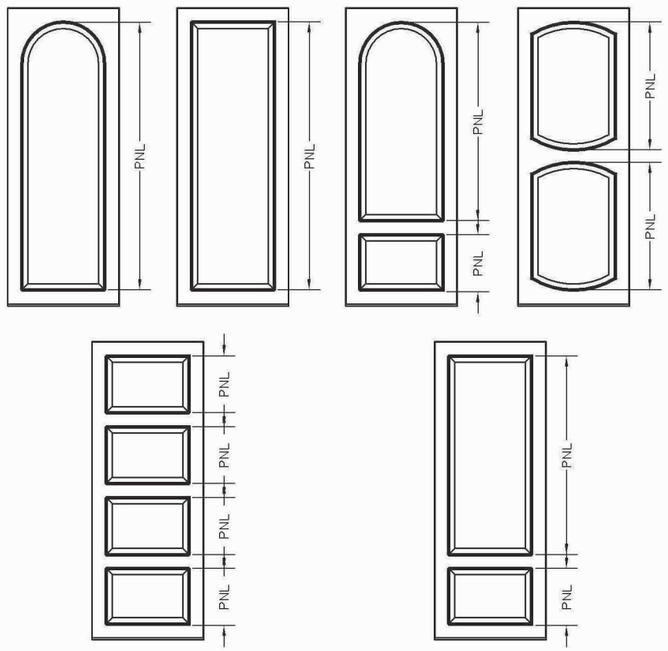
PPMF Inc.

PRODUCT:
PREMIUM OPAQUE
SWING OUT WOOD DOOR
LARGE & SMALL MISSILE

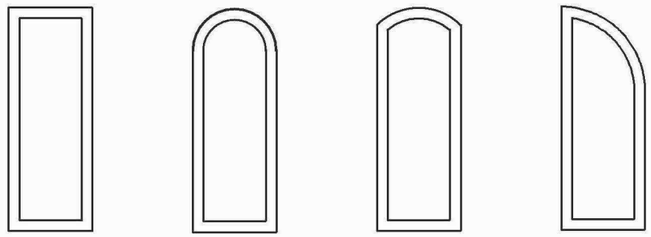
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AV. RICARDO PALMA #843 - LIMA, PERU
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SCALE: NA
DATE: 09/17/2023
DRAWING # 23-174
SHEET 1 OF 17

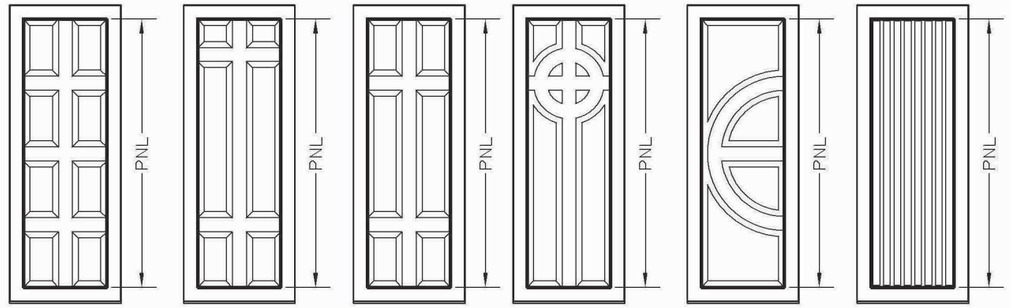
DOOR PANELS OPTIONS



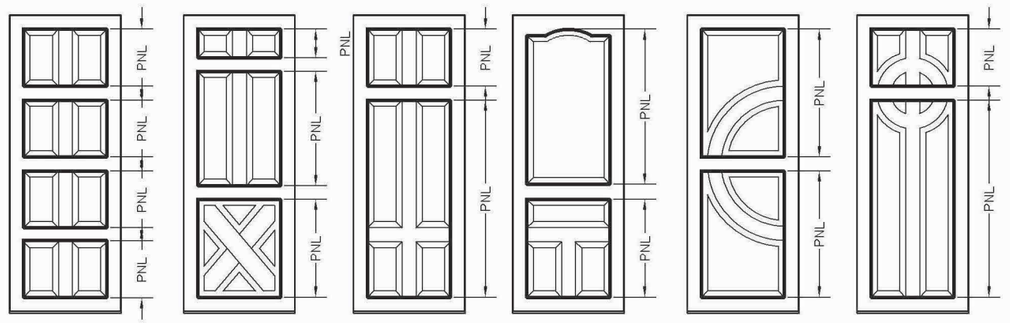
EXAMPLES FOR SINGLE OR MULTIPLE
PANELS WITH TRUE HORIZONTAL MUTINS



NOTES:
1- DOOR PANELS MAY BE RECTANGULAR, ARCHED OR ELLIPTICAL.
2- PANEL CONFIGURATIONS WITH APPLIED FALSE MUTINS CAN BE FREELY CONFIGURED LIMITED ONLY BY THE MAXIMUM PANEL SIZE AND MINIMUM THICKNESS ALLOWABLE.
3- ONLY HORIZONTAL TRUE MUTIN IS AVAILABLE



EXAMPLES FOR SINGLE PANEL WITH
LAMINATED APPLIED FALSE MUTINS



EXAMPLES FOR MULTIPLE PANELS WITH
LAMINATED APPLIED FALSE AND TRUE MUTINS

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No. 52609
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Pedro De Figueiredo
09/17/2023

ENGINEERING SERVICES - CA 32459
3715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
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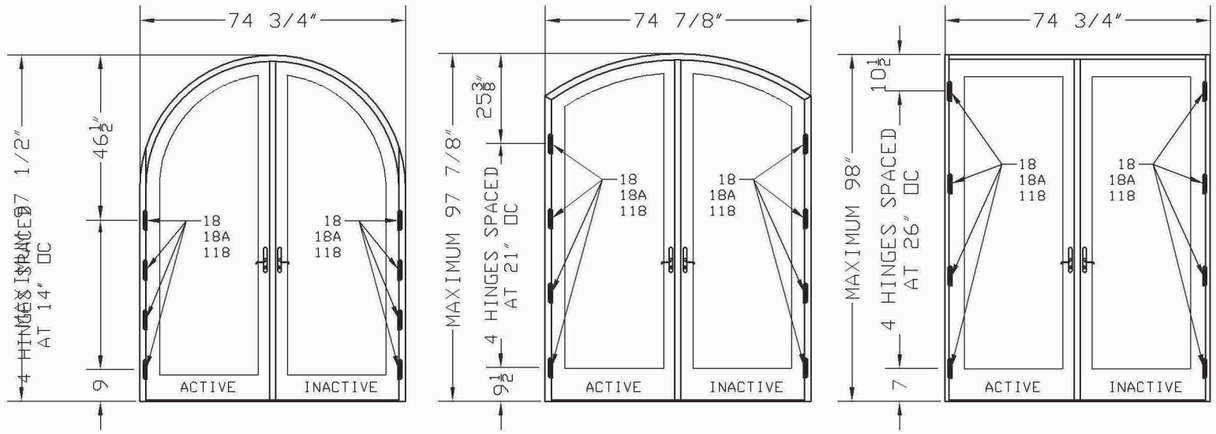
PPMF Inc.

PRODUCT:
PREMIUM OPAQUE
SWING OUT WOOD DOOR
LARGE & SMALL MISSILE

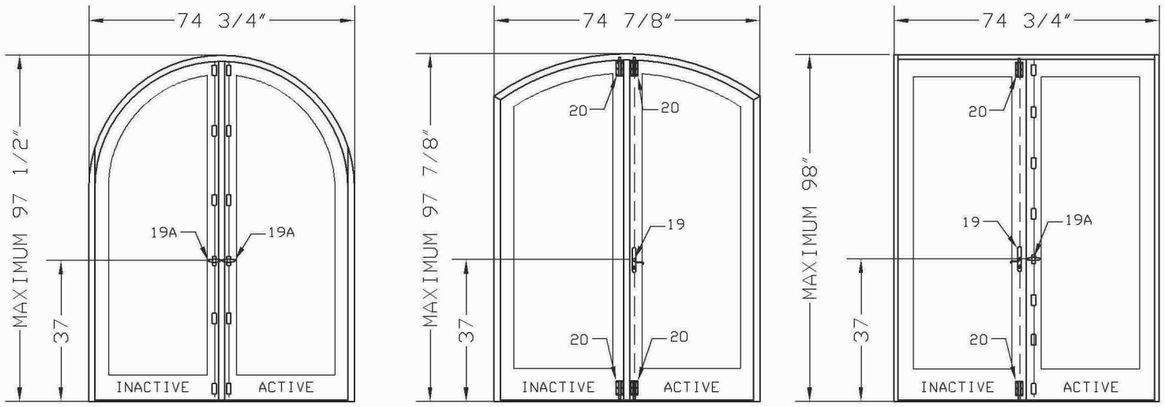
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SCALE: NA
DATE: 09/17/2023
DRAWING # 23-174
SHEET 2 OF 17

MODEL A - HARDWARE OPTIONS



EXAMPLES HINGE LAY OUT ELEVATION



EXAMPLES LOCK & BOLTS LAY OUT ELEVATION

NOTES:
1- HARDWARE 18, 19, 19A, 20 CAN BE INTERCHANGEABLE BY 118, 119, 120, 120A, 120B AND VICE-VERSA
2- SINGLE LEAF DOORS WILL USE ONLY HARDWARE FROM ACTIVE LEAF.

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09/17/2023

MAXIMUM 6'X8' AND 3'X8' MODELS - RATED: +53,-70 PSF

PART#	NAME	DESCRIPTION
18	HINGE	(4) PER LEAF - 2.75"x 4"x 0.068" STEEL SECURED TO PANEL AND FRAME W/ (8) #10X1.5 WOOD SCREWS.
18A	HINGE	(4) PER LEAF - JARDINIER MASSARD BRAND #23 CONNECTED TO PANEL AND FRAME W/ (8) #10X1.5 WOOD SCREWS.
19	LOCK	(1) PER ACTIVE OR INACTIVE STILE- SCHELEGEL MULTI-BOLT LOCK WITH BRASS KEEPER SET, 52mm BS 8' FULL LENGTH STAINLESS
19A	LOCK	(1) PER ACTIVE AND INACTIVE STILE - JARDINIER MASSARD BRAND VERROUS A ENTAILER REF 321 WITH 0.312" DIAM.x 0.567" THROW AT TOP AND BOTTOM. CENTER HANDLE ROUSTIQUE CODE 042100 MODEL RY 59 FASTENED WITH (4)#10x 1.25". (7) 2.4"x 1.656" WIDE STEEL CLASSIC GUIDES SECURED W/ (2) #10x 1.25 EXCEPT TOP AND BOTTOM HAD (2) 0.125"x 3" MS WITH DOUBLE NUTS. LOCKING THROW BOLT WAS MADE OF 0.625" DIAM. SEMI-TUBE x 0.154" THICK x 35" LONG AT BOTTOM AND 57.5 LONG AT TOP WITH THE 3" ENDS FILLED WITH A WELDED 0.125" WIDE STEEL PLATE. THE STRIKE PLATE WAS MADE OF 0.25" STEEL.
20	BOLT	(2) PER ACTIVE AND INACTIVE STILE - 2.75x 4.5x0.085" NATIONAL BRAND THROW BOLT CONNECTED WITH (6) 1/4-20 SS MS AND NUTS.

PART#	NAME	DESCRIPTION
118	HINGE	(4) PER LEAF - 3.125"x 4.9375"x 0.078" STEEL SECURED TO PANEL AND FRAME W/ (8) #10X1.5 WOOD SCREWS.
119	LOCK	(1) PER ACTIVE STILE - SCHELEGEL MULTI-BOLT LOCK WITH BRASS KEEPER SET, 52mm BS 10' FULL LENGTH STAINLESS, WITH 0.25" STEEL STRIKE PLATE
120	BOLT	(2) PER ACTIVE STILE - IVES MODEL 453 SECURED TO PANEL WITH (4) 0.25"-20 SS MS AND NUTS.
120A	BOLT	(2) PER INACTIVE STILE - JARDINIER MASSARD BRAND VERROUS A ENTAILER REF 321 WITH 0.312" DIAM.x 0.567" THROW AT TOP AND BOTTOM. THE STRIKE PLATE WAS MADE OF 0.25" STEEL.
120B	BOLT	(2) PER INACTIVE STILE - 0.611" DIAMETER NATIONAL BRAND THROW BOLT CONNECTED WITH (6) 1/4-20 SS MS AND NUTS.

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9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

IPF MF Inc.

PRODUCT:
PREMIUM OPAQUE
SWING OUT WOOD DOOR
LARGE # SMALL MISSILE

PREMIUM ESTATES S.A.C.
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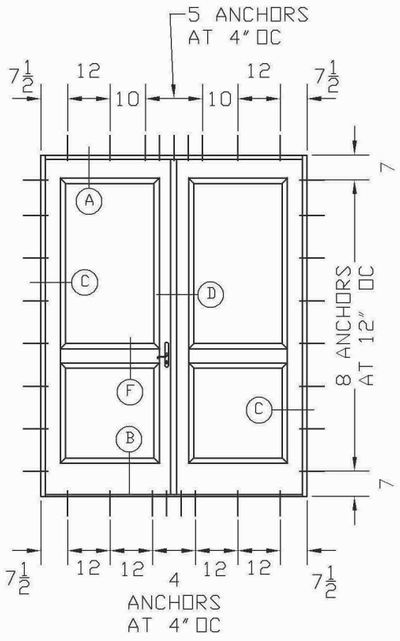
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DRAWING # 23-174
SHEET 3 OF 17

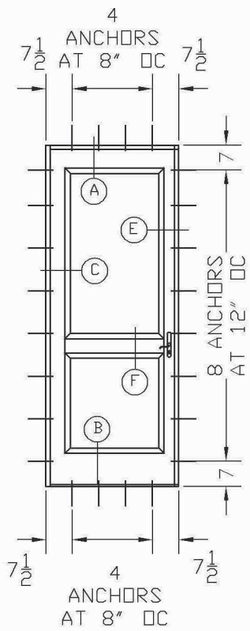
MODELS A1, A2 AND A3 - DOOR ANCHORAGE
MAXIMUM 6'X8' AND 3'X8' MODELS
RATED: +53,-70 PSF

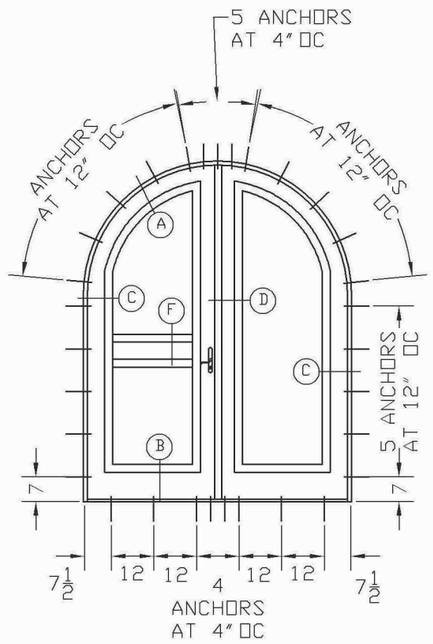
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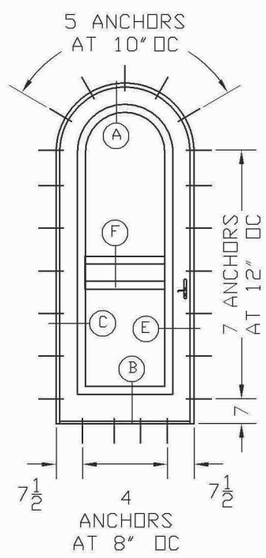
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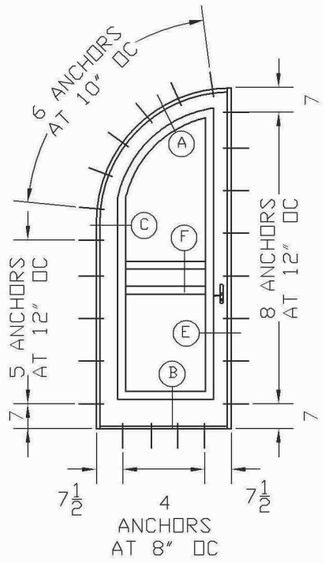
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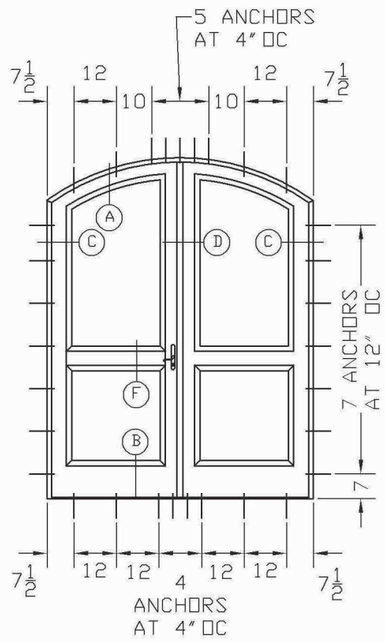


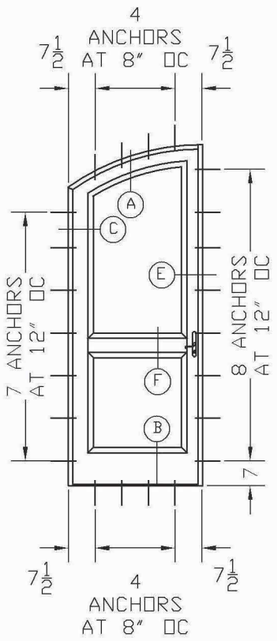












TYPE	DESCRIPTION
A	1/4" TAPCON/ ULTRACON W/ 1-3/4" INTO CONCRETE
A1	1/4" TAPCON/ ULTRACON W/ 1-3/4" INTO CONCRETE W/ 1X BUCK
B	1/4" TAPCON/ ULTRACON 1-1/2" INTO 2X WOOD BUCK
B1	1/4" TAPCON/ ULTRACON 1-1/2" INTO 2X WOOD BUCK W/ 1X BUCK
D	1/4"-14 GRADE 5 SDS INTO 1/8" METAL
D1	1/4"-14 GRADE 5 SDS INTO 1/8" METAL W/ 1X BUCK
E	1/4" TAPCON/ ULTRACON 1-3/4" INTO GF BLOCK W/ OR W/OUT 1X BUCK

1- MINIMUM 3000 PSI CONCRETE
2- WOOD BUCK MADE OF PT SOUTHERN PINE (SG>=0.55)
3- ED - EDGE DISTANCE NOT INCLUDING WALL DRESSING
4- 1/8" METAL MADE OF 6063-T6 ALUMINUM OR ASTM A36 STEEL
5- 1X AND 2X BUCK TO BE PROPERLY DESIGNED BY OTHERS TO TRANSFER LOADS TO THE MAIN STRUCTURE
6- USE 2-1/2" EDGE DISTANCE FOR CONCRETE AND 3/4" FOR WOOD AND METAL
7- ANCHOR TYPE E APPLICABLE ONLY ON JAMBS

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9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
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PE 52609

PPMF Inc.

PRODUCT:
PREMIUM OPAQUE
SWING OUT WOOD DOOR
LARGE & SMALL MISSILE

PREMIUM ESTATES S.A.C.
AV. RICARDO PALMA #843 - LIMA, PERU
TEL: (511) 610-9110

SCALE: NA
DATE: 09/17/2023
DRAWING # 23-174
SHEET 4 OF 17

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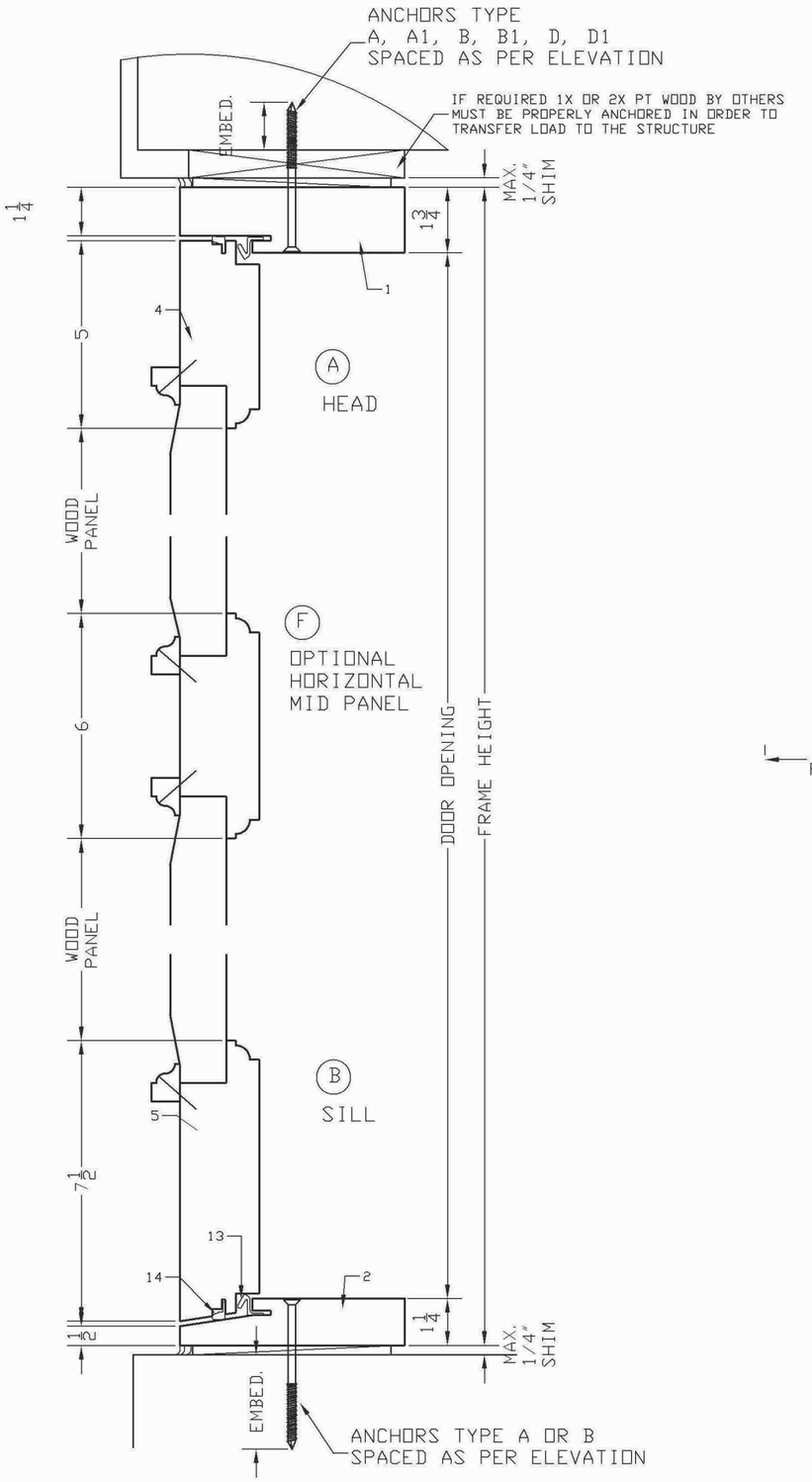
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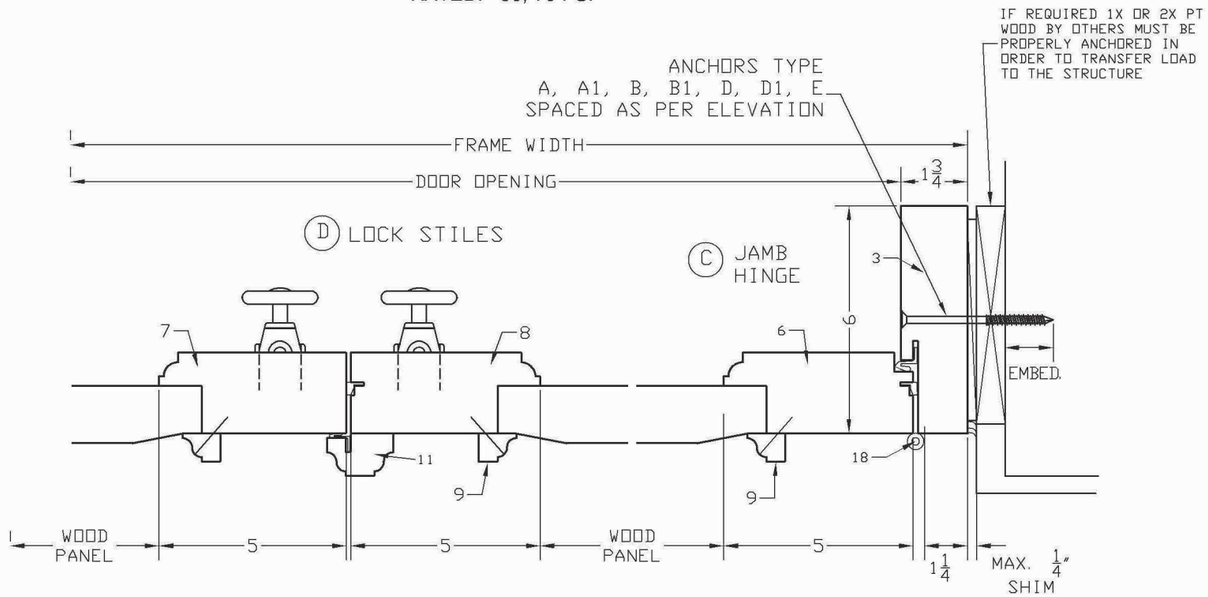
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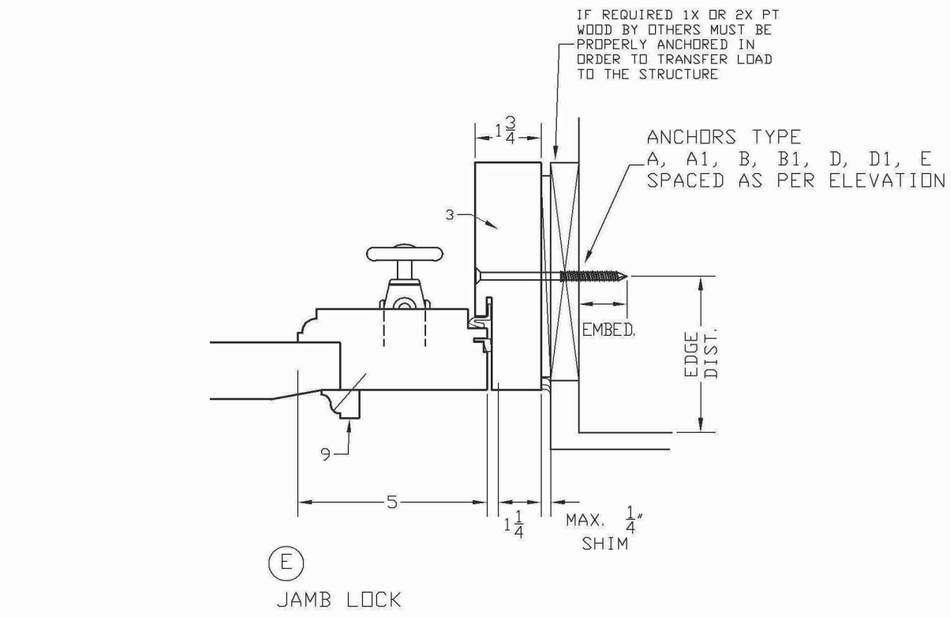
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PLANTATION, FL 33324
PFMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

PFMF Inc.

MODEL A - DOOR SECTIONS
MAXIMUM 6'X8' AND 3'X8' MODELS
RATED: +53,-70 PSF







PRODUCT:
PREMIUM OPAQUE
SWING OUT WOOD DOOR
LARGE & SMALL MISSILE

PREMIUM ESTATES S.A.C.

AV. RICARDO PALMA #843 - LIMA, PERU
TEL: (511) 610-9110

SCALE: NA
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DRAWING # 23-174
SHEET 5 OF 17

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PROFESSIONAL ENGINEER

MODELS A1, A2 AND A3 - DOOR BILL OF MATERIAL
MAXIMUM 6'X8' AND 3'X8' MODELS
RATED: +53,-70 PSF

GENERAL DESCRIPTION

RECTANGULAR
MAX. FRAME SIZE = 74 3/4" X 97 5/8"X 6" DEEP FRAME
MAX. PANEL SIZE = 35 15/16" X 95 7/16" X 2 1/8" DEEP
MINIMUM RAISED PANEL THICKNESS = 1 1/2" THICK

ARCHED
MAX. FRAME SIZE = 73 3/4" X 97 1/2"X 6" DEEP FRAME
MAX. PANEL SIZE = 36 5/16" X 95 7/16" X 2 1/8" DEEP
MINIMUM RAISED PANEL THICKNESS = 1 1/2" THICK

ELLIPSE
MAX. FRAME SIZE = 74 7/8" X 97 7/8" X 6" DEEP FRAME
MAX. PANEL SIZE = 35 5/16" X 95 7/16" X 2 1/8" DEEP
MINIMUM RAISED PANEL THICKNESS = 1 1/2" THICK

WATER TEST PRESSURE: ±8 PSF (53.33 DP)

FRAME & PANEL GENERAL NOTES

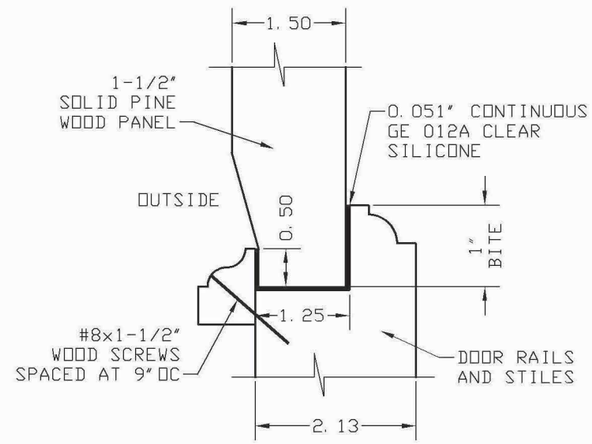
1- FRAME ASSEMBLY NOTES:
EACH SOLID MAHOGANY WOOD FRAME HEAD, SILL & JAMBS ARE 6" DEEP AND THE CORNERS ARE BUTT JOINED WITH WOOD GLUE AND FASTENED WITH (4) #14X3" WOOD SCREWS IN EACH CORNER.

2- PANEL ASSEMBLY NOTES:
EACH SOLID MAHOGANY WOOD STILE & RAIL IS 2 1/8" DEEP AND THE CORNERS, 1/2" thick x3"x3" TENON AND WOOD GLUE JOINT.

3- INSTALLATION SEALANT NOTES:
THE FRAME AND ALL EXPOSED INSTALLATION FASTENERS MUST BE PROPERLY SEALED WITH "GE" STOCK GE012A SILICONE.

PANEL ATTACHMENT DETAIL

1 1/2" THICK SOLID PINE WOOD PANEL PLACED IN A 1" X 1 1/4" BEDDING IN RAILS AND STILES AND A 1" X 1-1/4" X 1/2" X .051" THICK CONTINUOUS GE WINDOW & DOOR STOCK # GE012A CLEAR SILICONE BEAD. A 1/2 X 13/16 WOOD MOULDING CONNECTED WITH #8X1 1/2" WOOD SCREWS SPACED AT 9" OC.



BILL OF MATERIALS			
ITEM#	DESCRIPTION	SIZE	MATERIAL & REMARKS
1	FRAME HEADER	1.75" x 6.00" x 1.50"	MAHOGANY WOOD
2	FRAME SILL	1.25" x 6.00" x 0.50"	MAHOGANY WOOD
3	FRAME JAMB	1.75" x 6.00" x 1.25"	MAHOGANY WOOD
4	PANEL TOP RAIL	2.13" x 5.00" x 3.50"	MAHOGANY WOOD
5	PANEL BOTTOM RAIL	2.13" x 7.50" x 5.38"	MAHOGANY WOOD
6	PANEL HINGE STILE	2.13" x 5.00" x 4.50"	MAHOGANY WOOD
7	PANEL LOCK STILE	2.13" x 5.00" x 3.75"	MAHOGANY
8	PANEL LOCK STILE	2.13" x 5.00" x 4.00"	MAHOGANY
9	MAHOGANY WOOD BEAD	1.00" x 0.75"	Attached w/ #8x 1 1/2" wd screws
10	MAHOGANY WOOD BEAD	0.75" x 1.00"	Attached w/ #8x 1 1/2" wd screws
11	MAHOGANY WOOD ASTRAGAL	1.13" x 1.75"	Attached w/ #10x 2" wd screws at 12"oc
12	CLOSED CELL FOAM STRIP	0.5" x .625"	FOAM TAPE FULL LENGTH OF SILL
13	Q'LON SEAL @ FRAME/PANELS	.58" x 0.65"	SCHLEGEL #QDS-650
14	Q'LON SEAL @ PANELS RAILS	.335" x .336"	SCHLEGEL #QEZ320
15	SEALANT CLEAR SILICONE		GE STOCK 012A
16	WOOD RAISED PANEL	1.50"	SOLID PINE
17	STRUCTURAL SILICONE	.90x.051	DOW CORNING 995

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PLANTATION, FL 33324
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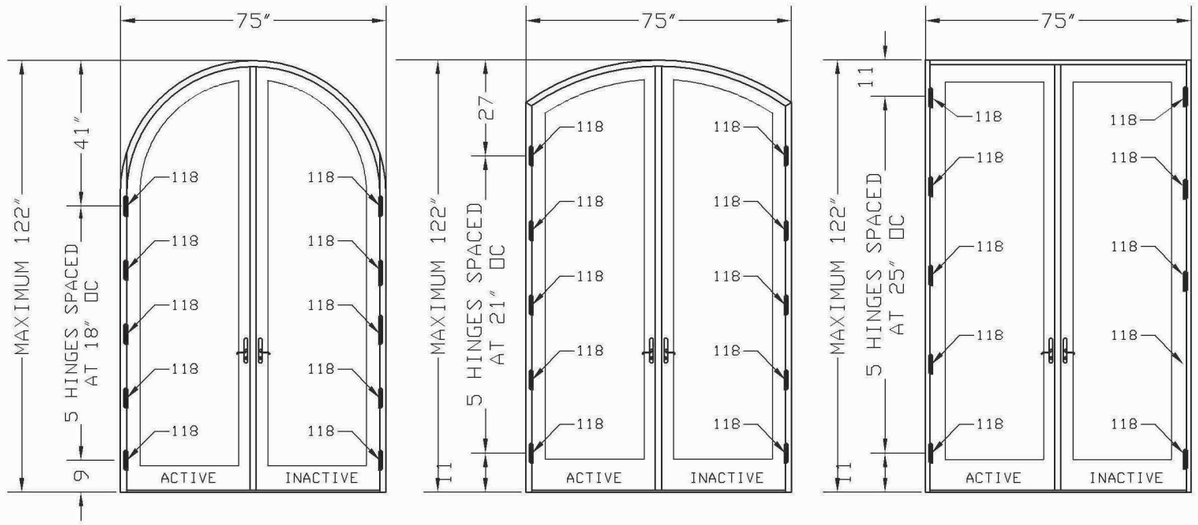
PPMF Inc.

PRODUCT:
PREMIUM OPAQUE
SWING OUT WOOD DOOR
LARGE & SMALL MISSILE

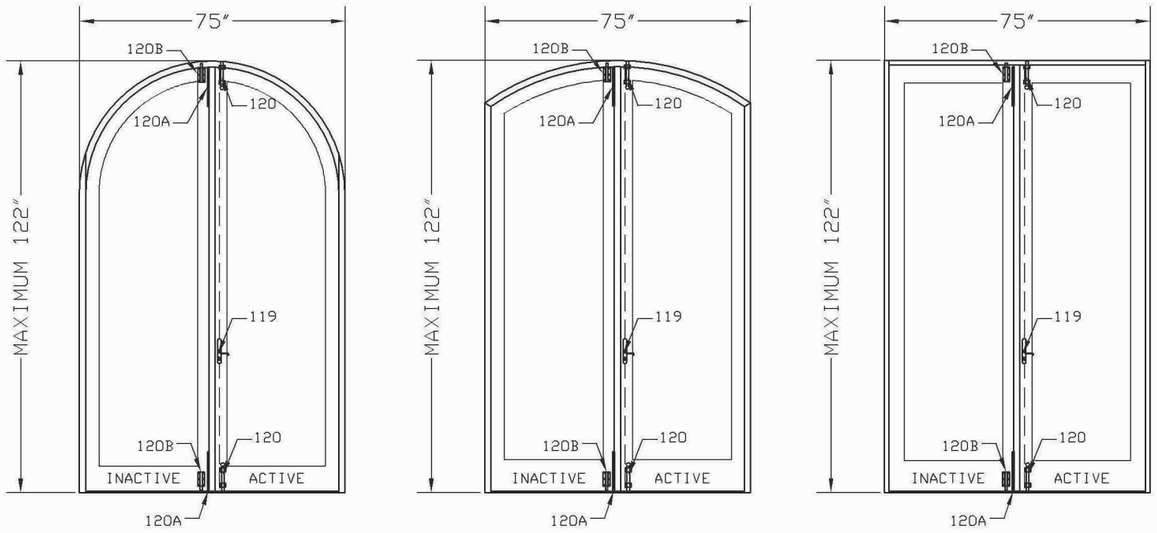
PREMIUM ESTATES S.A.C.
AV. RICARDO PALMA #843 - LIMA, PERU
TEL: (511) 610-9110

SCALE: NA
DATE: 09/17/2023
DRAWING # 23-174
SHEET 6 OF 17

MODEL B - HARDWARE OPTIONS



EXAMPLES HINGE LAY OUT ELEVATION



EXAMPLES LOCK & BOLTS LAY OUT ELEVATION

NOTE:
1- SINGLE LEAF DOORS WILL USE ONLY HARDWARE FROM ACTIVE LEAF.

MAXIMUM 6'X10' AND 3'X10' MODELS - RATED: +53,-70 PSF

PART#	NAME	DESCRIPTION
118	HINGE	(5) PER LEAF - 3.125"x 4.9375"x 0.078" STEEL SECURED TO PANEL AND FRAME W/ (8) #10X1.5 WOOD SCREWS.
119	LOCK	(1) PER ACTIVE STILE - SCHELEGEL MULTI-BOLT LOCK WITH BRASS KEEPER SET, 52mm BS 10' FULL LENGTH STAINLESS, WITH 0.25" STEEL STRIKE PLATE
120	BOLT	(2) PER ACTIVE STILE - IVES MODEL 453 SECURED TO PANEL WITH (4) 0.25"-20 SS MS AND NUTS.
120A	FLUSH BOLT	(2) PER INACTIVE STILE - JARDINIER MASSARD BOLT BRAND VERROUS A ENTAILER REF 321 WITH 0.312"
120B	BOLT	(2) PER INACTIVE STILE - 0.611" DIAMETER NATIONAL BRAND THROW BOLT CONNECTED WITH (6) 1/4-20 SS MS AND NUTS.

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

PEDRO M. DE FIGUEIREDO
LICENSE
No. 52609
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Pedro De Figueiredo
09/17/2023

ENGINEERING SERVICES - CA 32459
3715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

PPMF Inc.

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SWING OUT WOOD DOOR
LARGE & SMALL MISSILE

PREMIUM ESTATES S.A.C.
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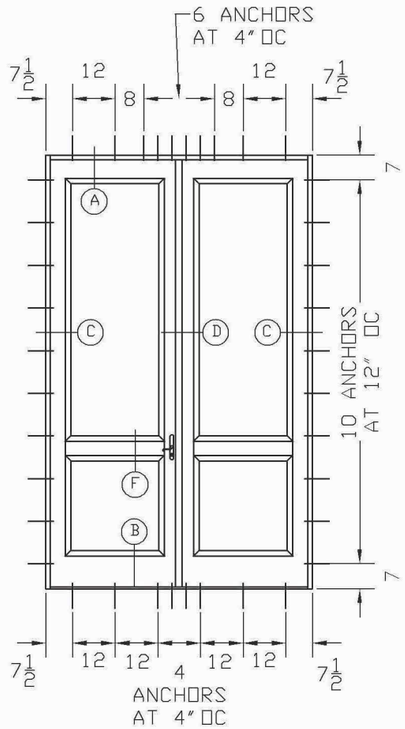
SCALE: NA
DATE: 09/17/2023
DRAWING # 23-174
SHEET 7 OF 17

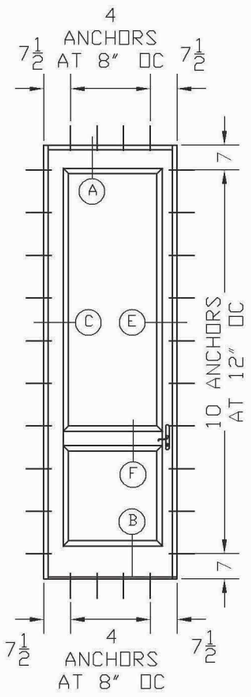
MODELS B1, B2 AND B3 - DOOR ANCHORAGE
MAXIMUM 6'X10' AND 3'X10' MODELS
RATED: +53,-70 PSF

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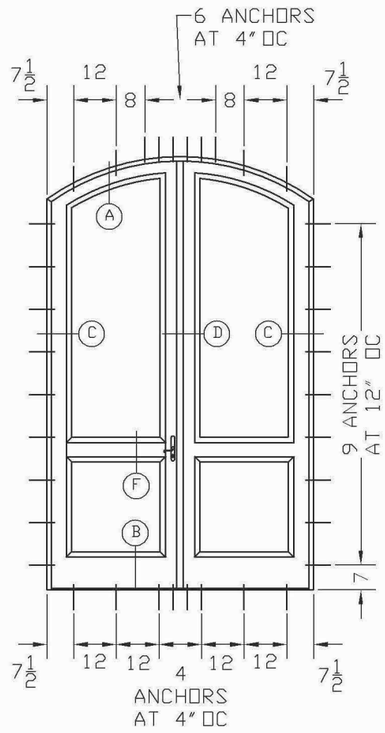
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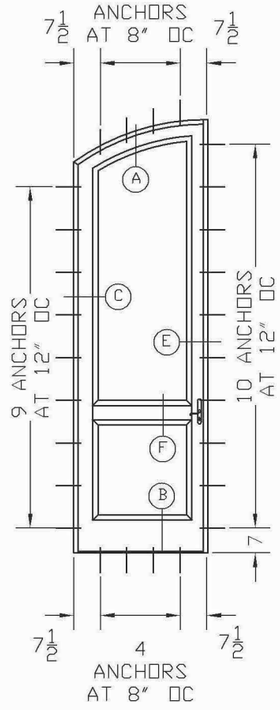
Pedro De Figueiredo
09/17/2023

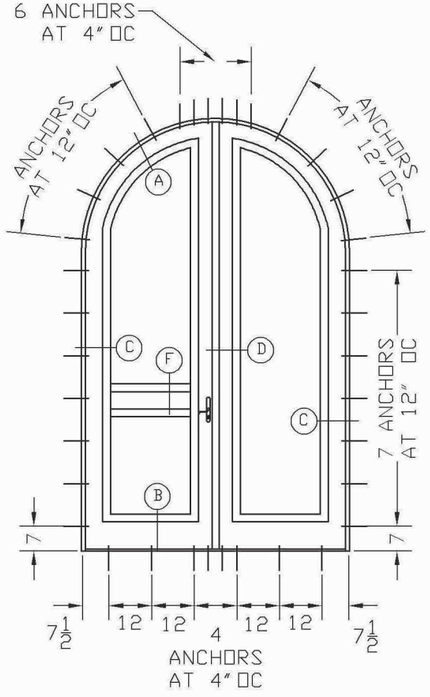


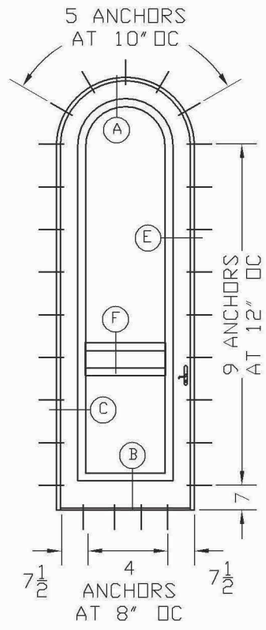


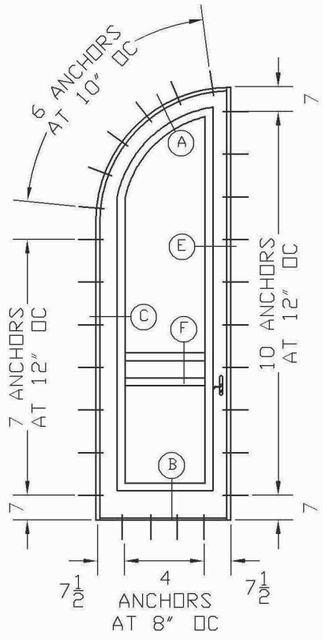
(*) INCREASE AMOUNT OF ANCHORS TO 7 AT 10 1/2" OC WHEN HEADER/SILL FRAMING ARE ANCHORED INTO CONCRETE WITH 1X WOOD BUCK











TYPE	DESCRIPTION
A	1/4" TAPCON/ ULTRACON W/ 1-3/4" INTO CONCRETE
A1	1/4" TAPCON/ ULTRACON W/ 1-3/4" INTO CONCRETE W/ 1X BUCK
B	1/4" TAPCON/ ULTRACON 1-1/2" INTO 2X WOOD BUCK
B1	1/4" TAPCON/ ULTRACON 1-1/2" INTO 2X WOOD BUCK W/ 1X BUCK
D	1/4"-14 GRADE 5 SDS INTO 1/8" METAL
D1	1/4"-14 GRADE 5 SDS INTO 1/8" METAL W/ 1X BUCK
E	1/4" TAPCON/ ULTRACON 1-3/4" INTO GF BLOCK W/ OR W/OUT 1X BUCK

1- MINIMUM 3000 PSI CONCRETE
2- WOOD BUCK MADE OF PT SOUTHERN PINE (SG>=0.55)
3- ED - EDGE DISTANCE NOT INCLUDING WALL DRESSING
4- 1/8" METAL MADE OF 6063-T6 ALUMINUM OR ASTM A36 STEEL
5- 1X AND 2X BUCK TO BE PROPERLY DESIGNED BY OTHERS TO TRANSFER LOADS TO THE MAIN STRUCTURE
6- USE 2-1/2" EDGE DISTANCE FOR CONCRETE AND 3/4" FOR WOOD AND METAL
7- ANCHOR TYPE E APPLICABLE ONLY ON JAMBS

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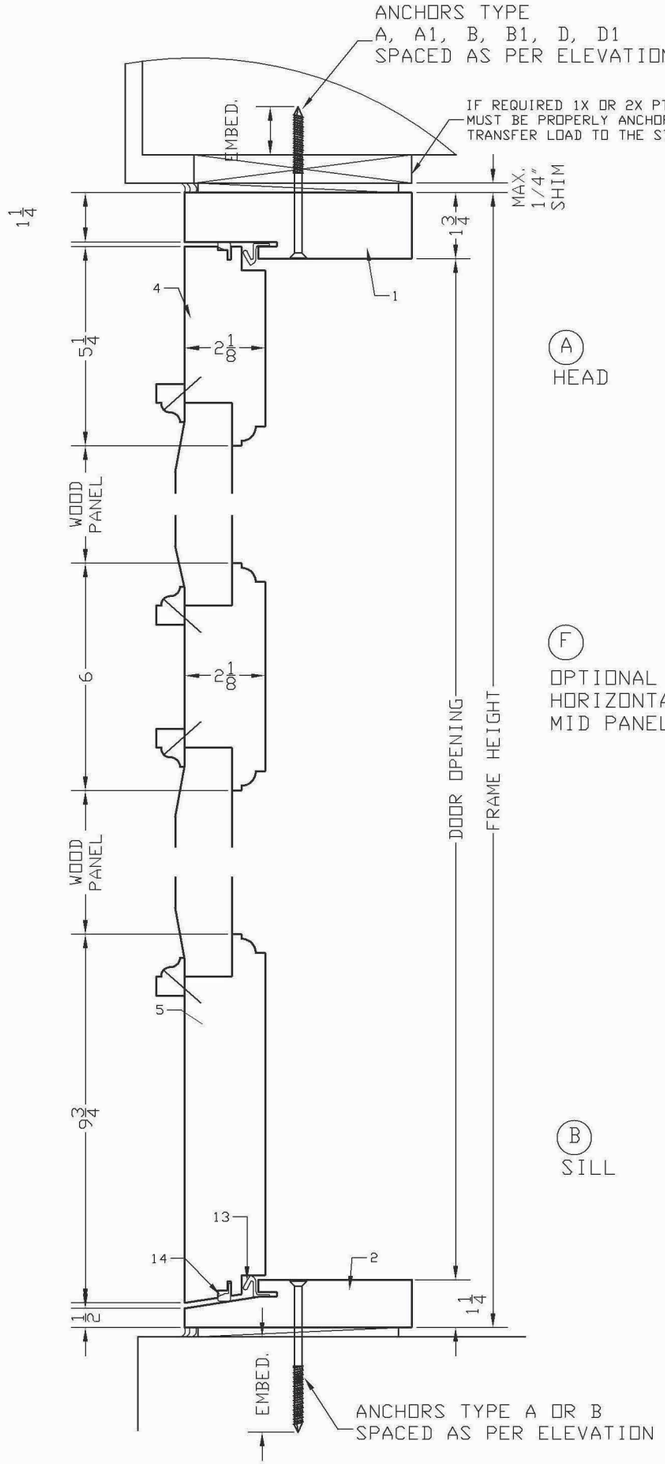
SCALE: NA
DATE: 09/17/2023
DRAWING # 23-174
SHEET 8 OF 17

MODELS B1, B2 AND B3 - DOOR SECTION
MAXIMUM 6'X10' AND 3'X10' MODELS
RATED: +53,-70 PSF

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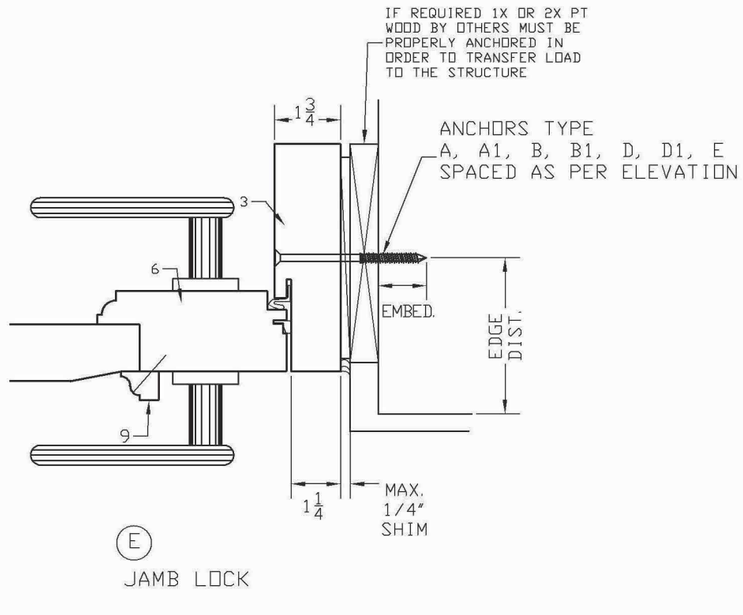
Pedro De Figueiredo
09/17/2023



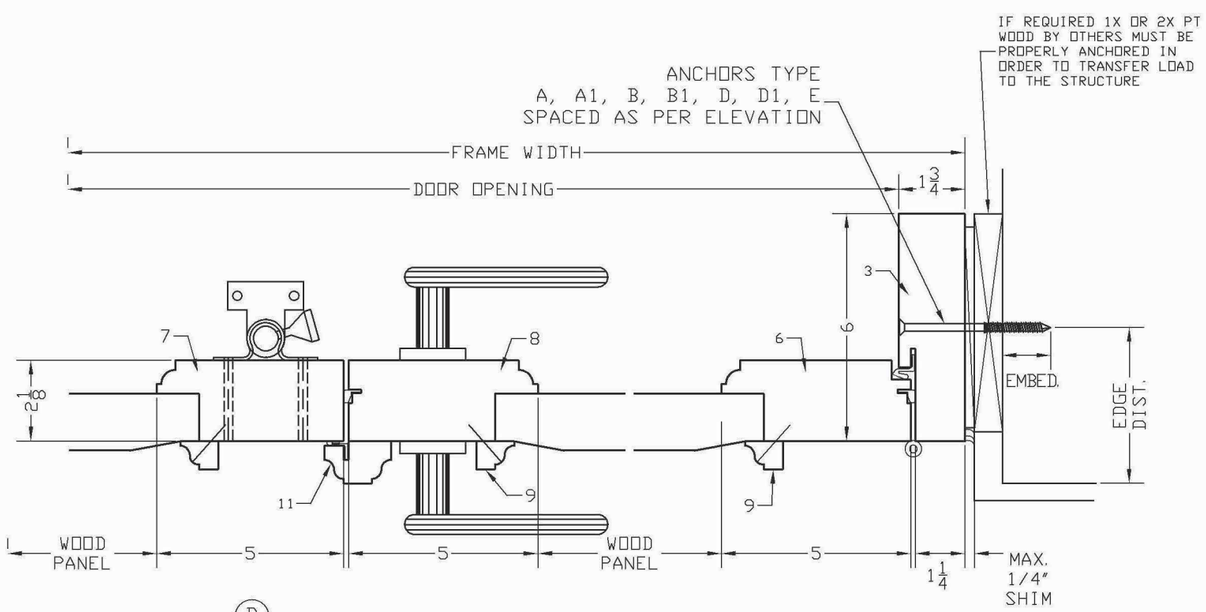
A
HEAD

F
OPTIONAL
HORIZONTAL
MID PANEL

B
SILL



E
JAMB LOCK



D
LOCK STILES

C
JAMB HINGE

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TÉL: (511) 610-9110

SCALE:	NA
DATE:	09/17/2023
DRAWING #	23-174
SHEET	9 OF 17

MODELS B1, B2 AND B3 - DOOR BILL OF MATERIAL
MAXIMUM 6'X10' AND 3'X10' MODELS
RATED: +53,-70 PSF

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Pedro De Figueiredo
09/17/2023

GENERAL DESCRIPTION

MAX. FRAME SIZE = 75" X 122"X 6" DEEP FRAME
MAX. PANEL SIZE = 35 15/16" X 120 5/16" X 2 1/8" DEEP
MINIMUM RAISED PANEL THICKNESS = 1 1/2" THICK
WATER TEST PRESSURE: ±8 PSF (53.33 DP)

FRAME & PANEL GENERAL NOTES

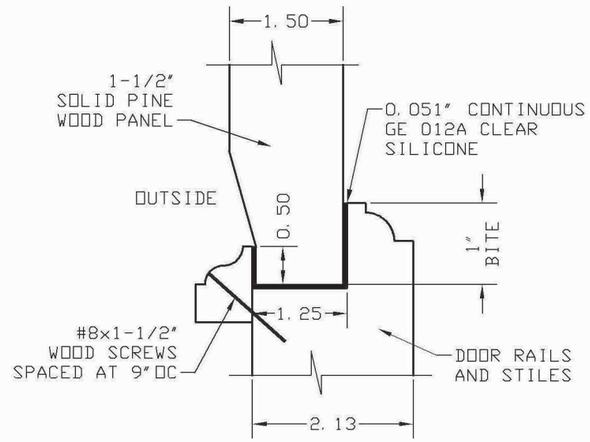
1- FRAME ASSEMBLY NOTES:
EACH SOLID MAHOGANY WOOD FRAME HEAD, SILL & JAMBS ARE 6" DEEP AND THE CORNERS ARE BUTT JOINED WITH WOOD GLUE AND FASTENED WITH (4) #14X3" WOOD SCREWS IN EACH CORNER.

2- PANEL ASSEMBLY NOTES:
EACH SOLID MAHOGANY WOOD STILE & RAIL IS 2 1/8" DEEP AND THE CORNERS, 1/2"thick x3"x3" TENON AND WOOD GLUE JOINT.

3- INSTALLATION SEALANT NOTES:
THE FRAME AND ALL EXPOSED INSTALLATION FASTENERS MUST BE PROPERLY SEALED WITH "GE" STOCK GE012A SILICONE.

PANEL ATTACHMENT DETAIL

1 1/2" THICK SOLID PINE WOOD PANEL PLACED IN A 1" X 1 1/4" BEDDING IN RAILS AND STILES AND A 1" X 1-1/4" X 1/2" X .051" THICK CONTINUOUS GE WINDOW & DOOR STOCK # GE012A CLEAR SILICONE BEAD. A 1/2 X 13/16 WOOD MOULDING CONNECTED WITH #8X1 1/2" WOOD SCREWS SPACED AT 9" OC.



BILL OF MATERIALS

ITEM#	DESCRIPTION	SIZE	MATERIAL & REMARKS
1	FRAME HEADER	1.75" x 6.00" x 1.25"	MAHOGANY WOOD
2	FRAME SILL	1.25" x 6.00" x 0.50"	MAHOGANY WOOD
3	FRAME JAMB	1.75" x 6.00" x 1.25"	MAHOGANY WOOD
4	PANEL TOP RAIL	2.13" x 5.25" x 4.25"	MAHOGANY WOOD
5	PANEL BOTTOM RAIL	2.13" x 9.75" x 9.50"	MAHOGANY WOOD
6	PANEL HINGE STILE	2.13" x 4.89" x 3.89"	MAHOGANY WOOD
7	PANEL LOCK STILE	2.13" x 5.13" x 4.13"	MAHOGANY
8	RAISE PNL HOR. STILE	2.13" x 6.00" x 4.00"	MAHOGANY
9	MAHOGANY WOOD BEAD	1.00" x 0.75"	Attached w/ #8x 1 1/2" wd screws
10	MAHOGANY WOOD BEAD	0.75" x 1.00"	Attached w/ #8x 1 1/2" wd screws
11	MAHOGANY WOOD ASTRAGAL	1.13" x 1.75"	Attached w/ #10x 2" wd screws at 12"oc
12	CLOSED CELL FOAM STRIP	0.5" x .625"	FOAM TAPE FULL LENGTH OF SILL
13	Q'LON SEAL @ FRAME/PANELS	.58" x 0.65"	SCHLEGEL #QDS-650
14	Q'LON SEAL @ PANELS RAILS	.335" x .336"	SCHLEGEL #QEZ320
15	RAISED PANEL	1.5" thk	SOLID PINE
16	SEALANT - CLEAR SILICONE		GE STOCK #012A
17	CLEAR SILICONE	.75x. 50x. 051 Thk	GE STOCK #012A

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PRODUCT:
PREMIUM OPAQUE
SWING OUT WOOD DOOR
LARGE & SMALL MISSILE

PREMIUM ESTATES S.A.C.
AV. RICARDO PALMA #843 - LIMA, PERU
TEL: (511) 610-9110

SCALE: NA
DATE: 09/17/2023
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SHEET 10 OF 17

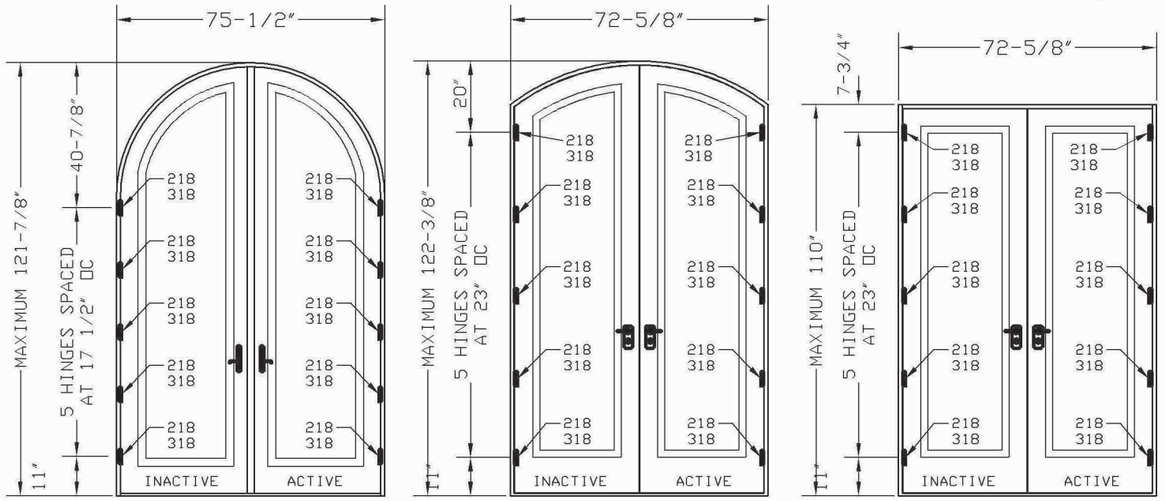
MAXIMUM 6'X10' AND 3'X10' MODELS - RATED: +75,-83 PSF

PART#	NAME	DESCRIPTION
218	HINGE	(5) PER LEAF - CUSTOM 0.84"x 7.25"x 0.25" STEEL PLATES WITH 0.75" STEEL PIN HOLDER WITH 0.313 STEEL PIN AND WASHER HINGE MANUFACTURED BY PREMIUM ESTATES. THE HINGE WAS SECURED TO FRAME W/ (5) 0.25"x 1" MS NUT AND WASHER AND SECURED TO THE PANEL WITH (5) #12x 3" WOOD SCREWS.
219	LOCK	(1) PER ACTIVE STILE - MUL-T-LOCK MODEL SERIES 700 LOCK, SINGLE LATCH ONLY.
219A	LOCK	(1) PER INACTIVE STILE - CUSTOM TWO POINT LOCK WITH 0.75" DIAMETER STEEL RODS EXTENDING 1" THROUGH PANEL LOCK STILE AND INTO FRAME GOING THROUGH FRAME AND SASH LOCK REINFORCEMENT PLATES. THE LOCK WAS OPERATED BY A HANDLE AT 37" FROM THE BOTTOM OF PANEL.
220	BOLT	(2) PER INACTIVE STILE - TOP 50" LONG 0.75" DIAMETER STEEL ROD WITH 1" DIAM. RINGS WELDED 3.5" AND 19.75" FROM END OF THE ROD. BOTTOM 16.75" LONG 0.75" DIAMETER STEEL ROD WITH 1" DIAM. RINGS WELDED 3.5" AND 9" FROM END OF THE ROD. EACH ROD WAS SUPPORTED BY (2) 2"x 3.125"x 0.25"STEEL GUIDE PLATES WITH 1.375" RINGS WELDED ATOP EACH PLATE TO GUIDE THE LOCKING ROD. THE RODS PENETRATED 1" THROUGH THE FRAME MOULDING. THE TOP AND BOTTOM GUIDE PLATES WERE CENTERED 1.75" FROM EDGE OF DOOR.

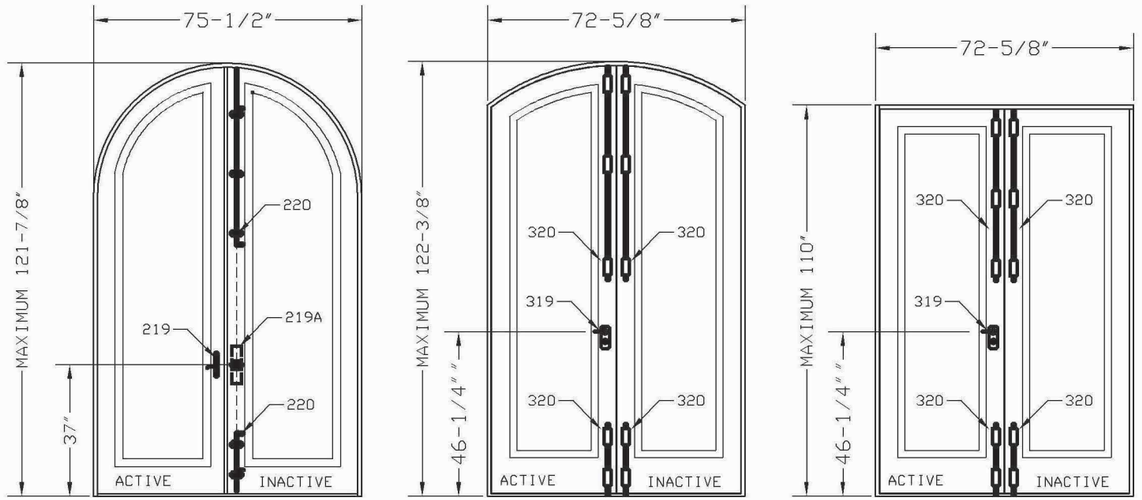
PART#	NAME	DESCRIPTION
318	HINGE	(5) PER LEAF - CUSTOM 7.6"x 2.89" SOLID BRASS HINGES BY PREMIUM ESTATES SECURED TO THE DOOR AND FRAME WITH (8) #12x 2 PFH SMS
319	LOVK	(1) PER INACTIVE STILE - DEADLOCK AND LOCK HANDLE WERE ATTACHED AT 43" AND 46.25" RESPECTIVELY FROM THE TOP OF THE DOOR.
320	BOLT	(2) PER ACTIVE STILE - TOP 0.875"x 60.25" LONG SURFACE BOLTS BY AZBE, MODEL #8912-90, WAS ATTACHED TO THE DOOR STILE WITH 3 STEEL PLATES. THE PLATES WERE ATTACHED TO THE DOOR STILE EACH USING (4) #12x 2" PFH SMS. BOTTOM 0.875"x 20.25" LONG SURFACE BOLTS BY AZBE, MODEL #8912-90, WAS ATTACHED TO THE DOOR STILE WITH 2 STEEL PLATES. THE PLATES WERE ATTACHED TO THE DOOR STILE EACH USING (4) #12x 2" PFH SMS.
320A	BOLT	(2) PER INACTIVE STILE - TOP 0.875"x 60.25" LONG SURFACE BOLTS BY AZBE, MODEL #8912-90, WAS ATTACHED TO THE DOOR STILE WITH 3 STEEL PLATES. THE PLATES WERE ATTACHED TO THE DOOR STILE EACH USING (4) #12x 2" PFH SMS. BOTTOM 0.875"x 20.25" LONG SURFACE BOLTS BY AZBE, MODEL #8912-90, WAS ATTACHED TO THE DOOR STILE WITH 2 STEEL PLATES. THE PLATES WERE ATTACHED TO THE DOOR STILE EACH USING (4) #12x 2" PFH SMS.

NOTES:
1- HARDWARE 218, 219, 219A, 220 CAN BE INTERCHANGEABLE BY 318, 319, 320, 320A AND VICE-VERSA
2- SINGLE LEAF DOORS WILL USE ONLY HARDWARE FROM ACTIVE LEAF.

MODEL C - HARDWARE OPTIONS



HINGE LAY OUT ELEVATION



LOCK & BOLTS LAY OUT ELEVATION

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PEDRO M. DE FIGUEIREDO LICENSE No. 52609 STATE OF FLORIDA PROFESSIONAL ENGINEER

Pedro De Figueiredo
09/17/2023

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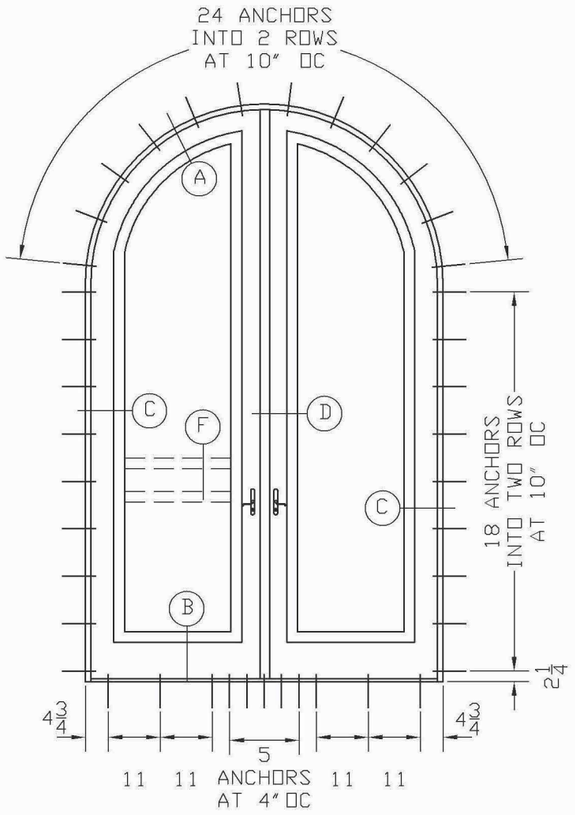
PRODUCT:
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SWING OUT WOOD DOOR
LARGE & SMALL MISSILE

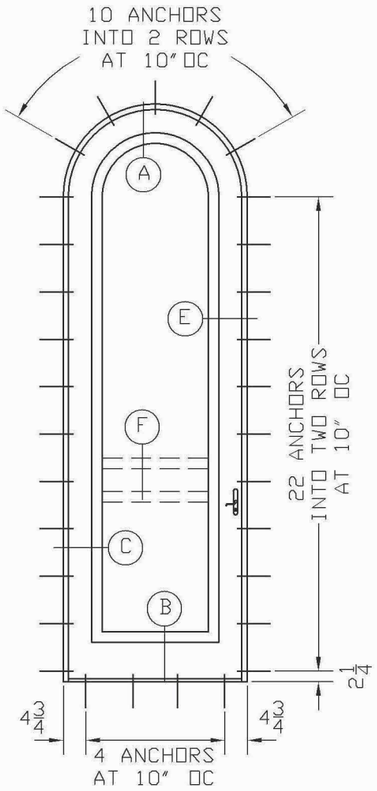
PREMIUM ESTATES S.A.C.

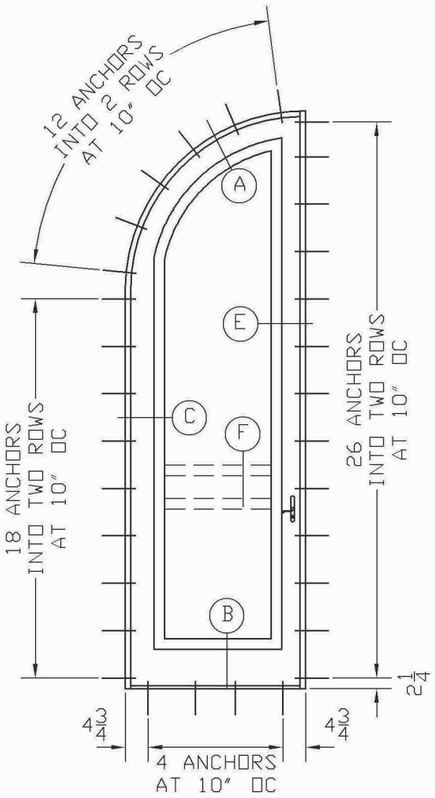
AV. RICARDO PALMA #843 - LIMA, PERU
TEL: (511) 610-9110

SCALE: NA
DATE: 09/17/2023
DRAWING # 23-174
SHEET 11 OF 17

MODEL C3 - DOOR ANCHORAGE
FULL ARCHED FRENCH OUTSWING DOOR
MAXIMUM 6'X10' AND 3'X10' MODELS
RATED: +75,-83 PSF







TYPE	DESCRIPTION
A	1/4" TAPCON/ ULTRACON W/ 1-3/4" INTO CONCRETE
A1	1/4" TAPCON/ ULTRACON W/ 1-3/4" INTO CONCRETE W/ 1X BUCK
B	1/4" TAPCON/ ULTRACON 1-1/2" INTO 2X WOOD BUCK
B1	1/4" TAPCON/ ULTRACON 1-1/2" INTO 2X WOOD BUCK W/ 1X BUCK
D	1/4"-14 GRADE 5 SDS INTO 1/8" METAL
D1	1/4"-14 GRADE 5 SDS INTO 1/8" METAL W/ 1X BUCK
E	1/4" TAPCON/ ULTRACON 1-3/4" INTO GF BLOCK W/ OR W/OUT 1X BUCK

1- MINIMUM 3000 PSI CONCRETE
2- WOOD BUCK MADE OF PT SOUTHERN PINE (SG>=0.55)
3- ED - EDGE DISTANCE NOT INCLUDING WALL DRESSING
4- 1/8" METAL MADE OF 6063-T6 ALUMINUM OR ASTM A36 STEEL
5- 1X AND 2X BUCK TO BE PROPERLY DESIGNED BY OTHERS TO TRANSFER LOADS TO THE MAIN STRUCTURE
6- USE 2-1/2" EDGE DISTANCE FOR CONCRETE AND 3/4" FOR WOOD AND METAL
7- ANCHOR TYPE E APPLICABLE ONLY ON JAMBS

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TEL: (511) 610-9110

SCALE: NA
DATE: 09/17/2023
DRAWING # 23-174
SHEET 12 OF 17

MODEL C3 - DOOR SECTIONS
FULL ARCHED FRENCH OUTSWING DOOR
MAXIMUM 6'X10' AND 3'X10' MODELS
RATED: +75,-83 PSF

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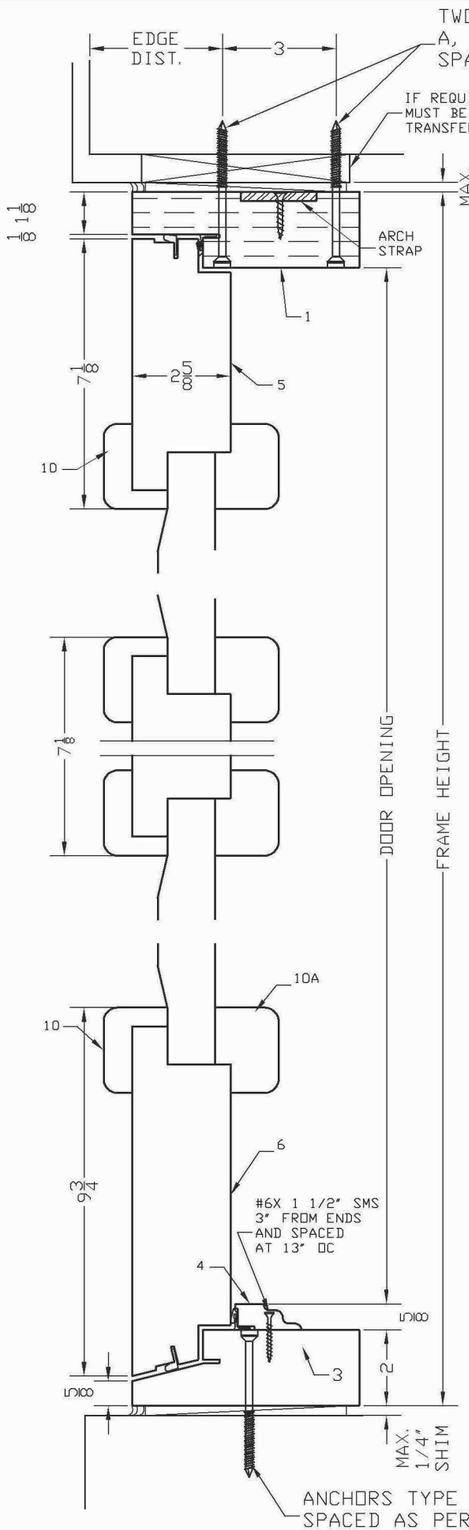
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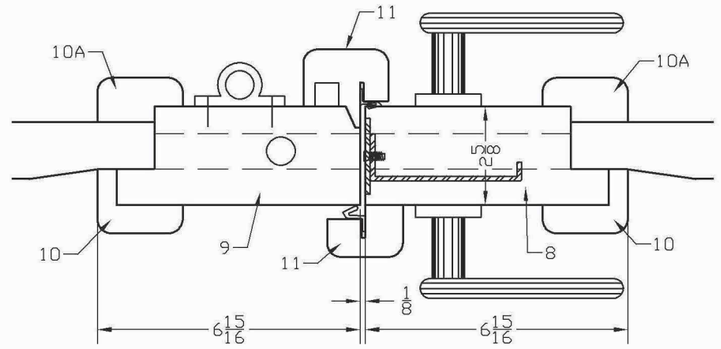
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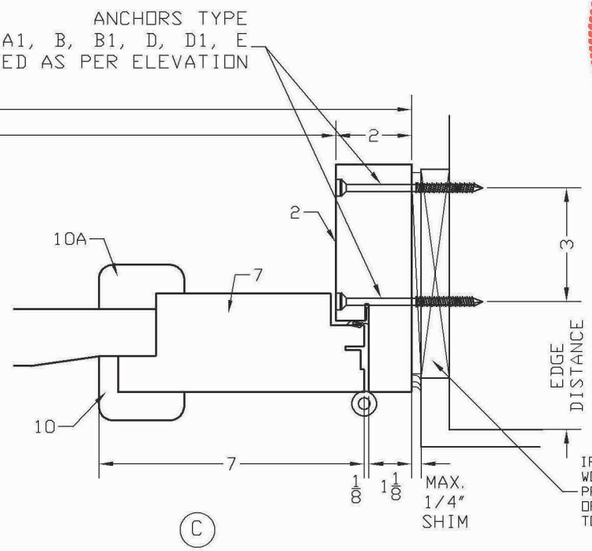


A HEAD

B SILL

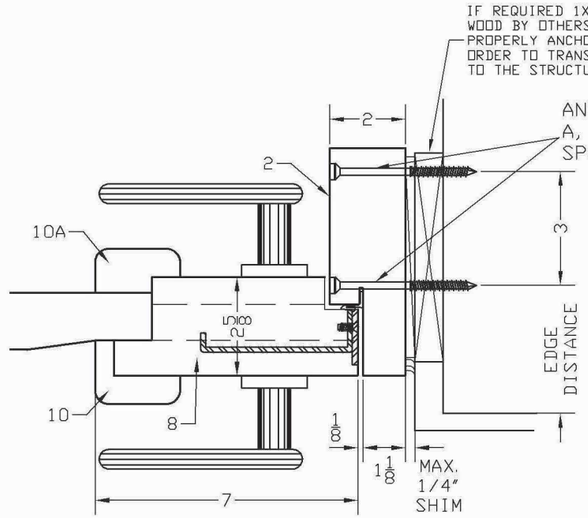


D LOCK STILES

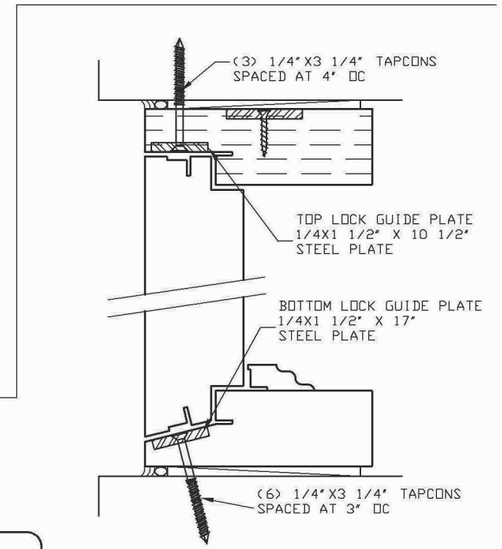


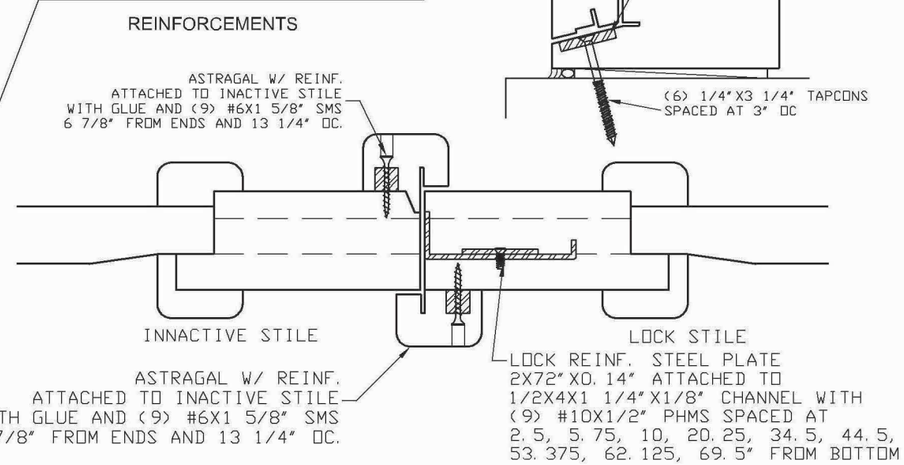
C JAMB HINGE

F OPTIONAL HORIZONTAL MID PANEL



E JAMB LOCK





SCALE:	NA
DATE:	09/17/2023
DRAWING #	23-174
SHEET	13 OF 17

MODEL C3 - DOOR MISCELANEOUS
FULL ARCHED FRENCH OUTSWING DOOR
MAXIMUM 6'X10' AND 3'X10' MODELS
RATED: +75,-83 PSF

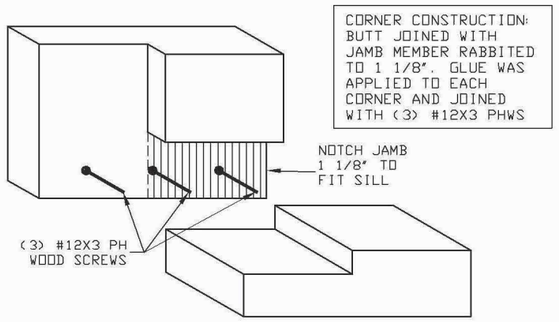
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PEDRO DE FIGUEIREDO ON THE DATE INDICATED HERE.

PEDRO M. DE FIGUEIREDO
LICENSE
No. 52609
STATE OF FLORIDA
PROFESSIONAL ENGINEER

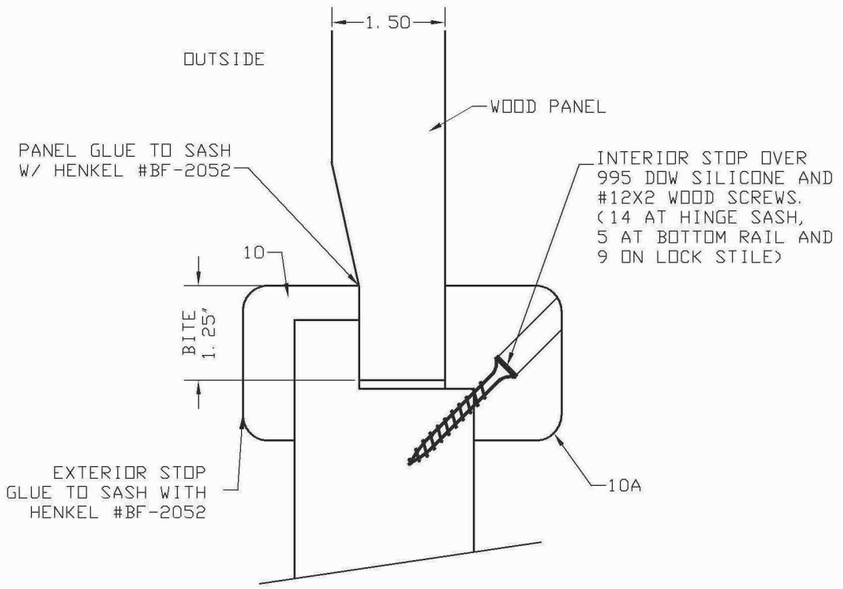
Pedro De Figueiredo
09/17/2023

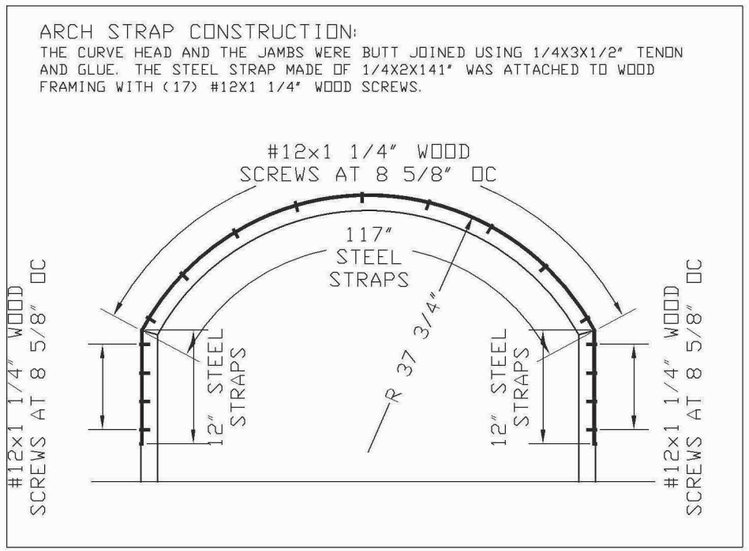
GENERAL DESCRIPTION

MAX. FRAME SIZE = 74 1/2" X 121 7/8" X 6" DEEP FRAME
MAX. PANEL SIZE = 37 1/2" X 119 3/4" X 2 1/2" DEEP
MAX. RAISED PANEL SIZE = 24 1/2" X 105" X 1.5"
WATER TEST PRESSURE: ±11.25 PSF (75 DP)



PANEL ATTACHMENT DETAIL





BILL OF MATERIALS

ITEM#	DESCRIPTION	SIZE	REMARKS
1	FRAME (ARCH HEADER)	2.00" x 6.00"	LAMINATED MAHOGANY
2	FRAME (JAMB)	2.00" x 6.00"	LAMINATED MAHOGANY
3	FRAME (SILL)	2.00" x 6.00"	LAMINATED MAHOGANY
4	FRAME (SILL BUMPER)	0.69" x 1.75"	LAMINATED MAHOGANY
5	SASH (ARCH RAIL)	2.60" x 6.62"	LAMINATED MAHOGANY
6	SASH (BOTTOM RAIL)	2.60" x 9.21"	LAMINATED MAHOGANY
7	SASH (HINGE RAIL)	2.60" x 6.50"	LAMINATED MAHOGANY
8	SASH (LOCK RAIL)	2.60" x 6.44"	LAMINATED MAHOGANY
9	SASH (INACTIVE RAIL)	2.60" x 6.44"	LAMINATED MAHOGANY
10	SASH (EXT. STOP)	2.25" x 1.69"	LAMINATED MAHOGANY
10A	SASH (INT. STOP)	2.25" x 1.69"	LAMINATED MAHOGANY
11	SASH (INT. ASTRAGAL)	2.25" x 2.06"	LAMINATED MAHOGANY
12	BOTTOM & HINGE REINF.	1.00" x 0.25"	STEEL
13	ASTRAGAL REINF.	0.63" x 0.63"	STEEL
14	LOCK RAIL REINF.	0.25" CHANNEL	STEEL
15	WEATHER STRIPPING	QEBD6650-B97	VINYL
16	WEATHER STRIPPING	QEZ-320-BRZ	VINYL

ENGINEERING SERVICES - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

PPMF Inc.

PRODUCT:
PREMIUM OPAQUE
SWING OUT WOOD DOOR
LARGE & SMALL MISSILE

PREMIUM ESTATES S.A.C.
AV. RICARDO PALMA #843 - LIMA, PERU
TEL: (511) 610-9110

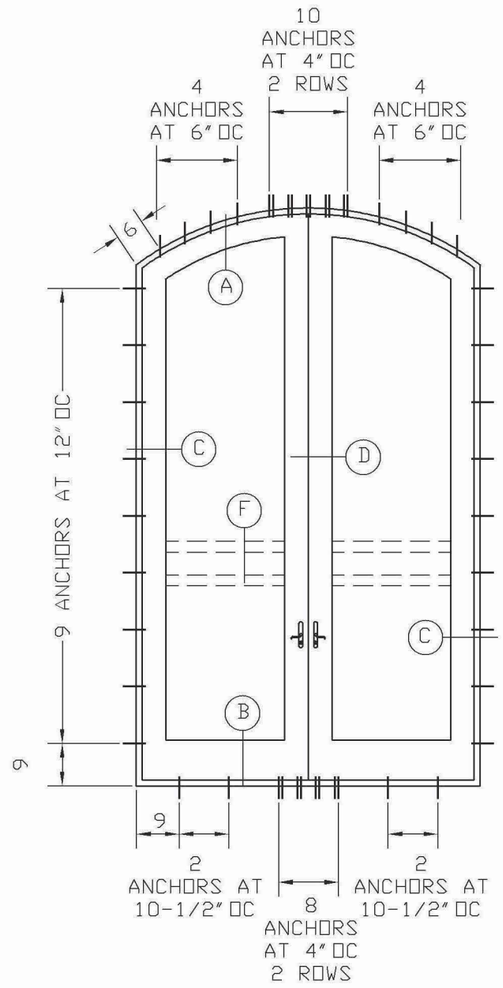
SCALE: NA
DATE: 09/17/2023
DRAWING # 23-174
SHEET 14 OF 17

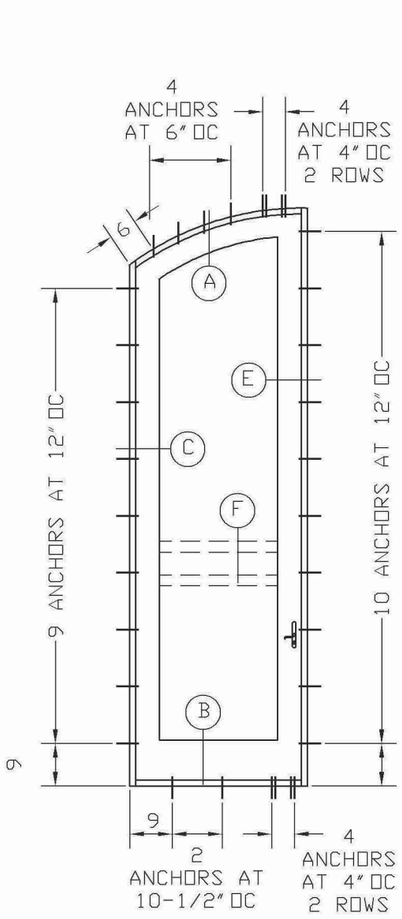
MODEL C1 & C2 - DOOR ANCHORAGE
RECTANGULAR & ELLIPSE FRENCH OUTSWING DOOR
MAXIMUM 6'X10' AND 3'X10' MODELS
RATED: +75,-83 PSF

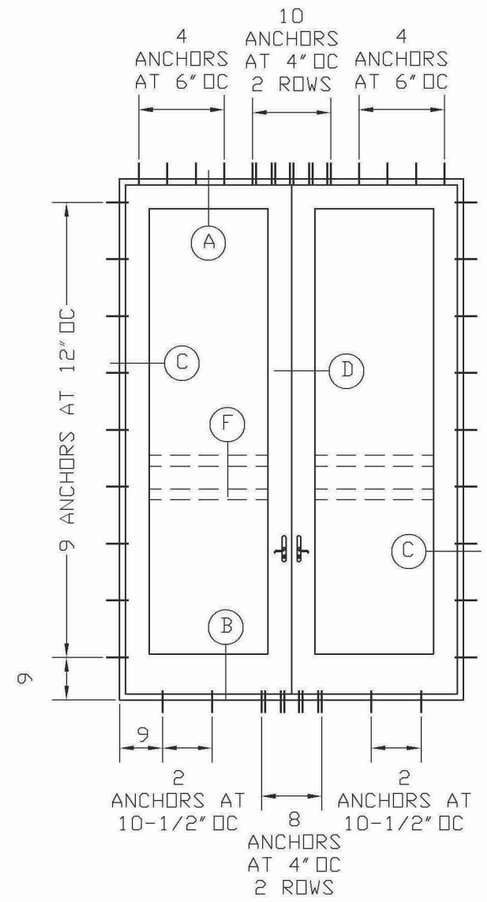
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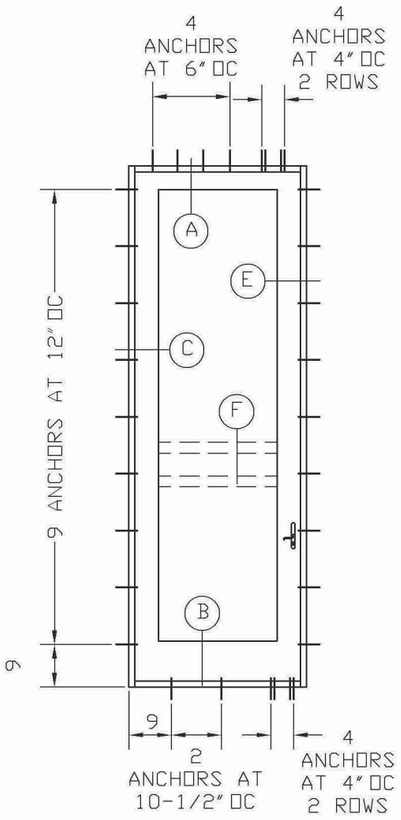
PEDRO M. DE FIGUEIREDO
LICENSE
No. 52609
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Pedro De Figueiredo
09/17/2023









TYPE	DESCRIPTION
A	1/4" TAPCON/ ULTRACON W/ 1-3/4" INTO CONCRETE
A1	1/4" TAPCON/ ULTRACON W/ 1-3/4" INTO CONCRETE W/ 1X BUCK
B	1/4" TAPCON/ ULTRACON 1-1/2" INTO 2X WOOD BUCK
B1	1/4" TAPCON/ ULTRACON 1-1/2" INTO 2X WOOD BUCK W/ 1X BUCK
D	1/4"-14 GRADE 5 SDS INTO 1/8" METAL
D1	1/4"-14 GRADE 5 SDS INTO 1/8" METAL W/ 1X BUCK
E	1/4" TAPCON/ ULTRACON 1-3/4" INTO GF BLOCK W/ OR W/OUT 1X BUCK

1- MINIMUM 3000 PSI CONCRETE
2- WOOD BUCK MADE OF PT SOUTHERN PINE (SG>=0.55)
3- ED - EDGE DISTANCE NOT INCLUDING WALL DRESSING
4- 1/8" METAL MADE OF 6063-T6 ALUMINUM OR ASTM A36 STEEL
5- 1X AND 2X BUCK TO BE PROPERLY DESIGNED BY OTHERS TO TRANSFER LOADS TO THE MAIN STRUCTURE
6- USE 2-1/2" EDGE DISTANCE FOR CONCRETE AND 3/4" FOR WOOD AND METAL
7- ANCHOR TYPE E APPLICABLE ONLY ON JAMBS

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PRODUCT:
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LARGE & SMALL MISSILE

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TEL: (511) 610-9110

SCALE: NA
DATE: 09/17/2023
DRAWING # 23-174
SHEET 15 OF 17

MODEL C1 & C2 - DOOR SECTIONS
RECTANGULAR & ELLIPSE FRENCH OUTSWING DOOR
MAXIMUM 6'X10' AND 3'X10' MODELS
RATED: +75,-83 PSF

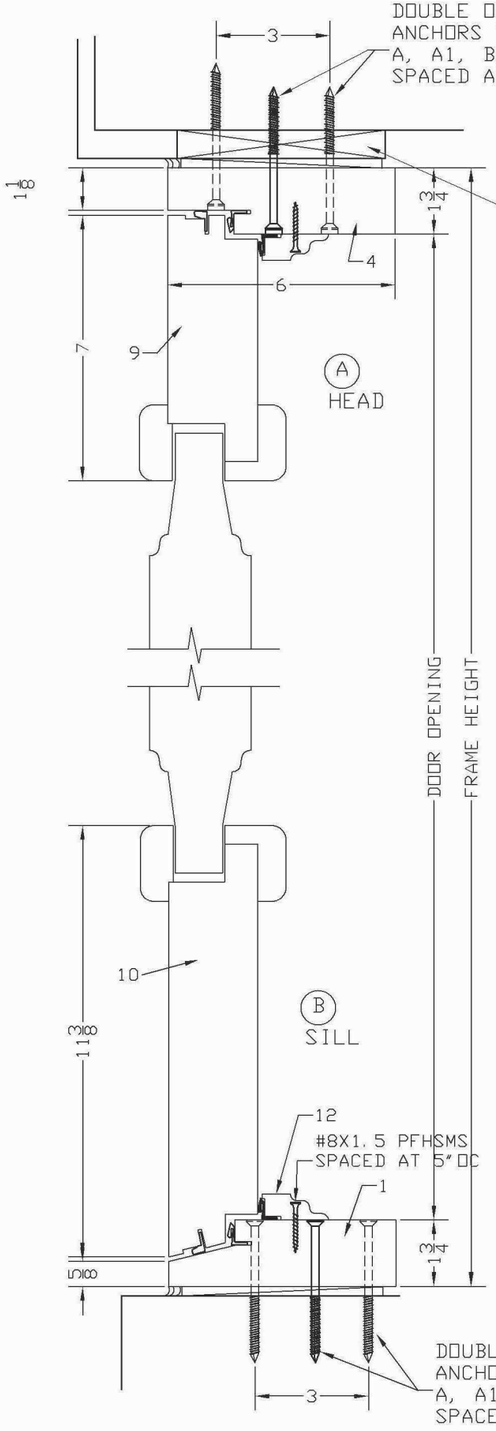
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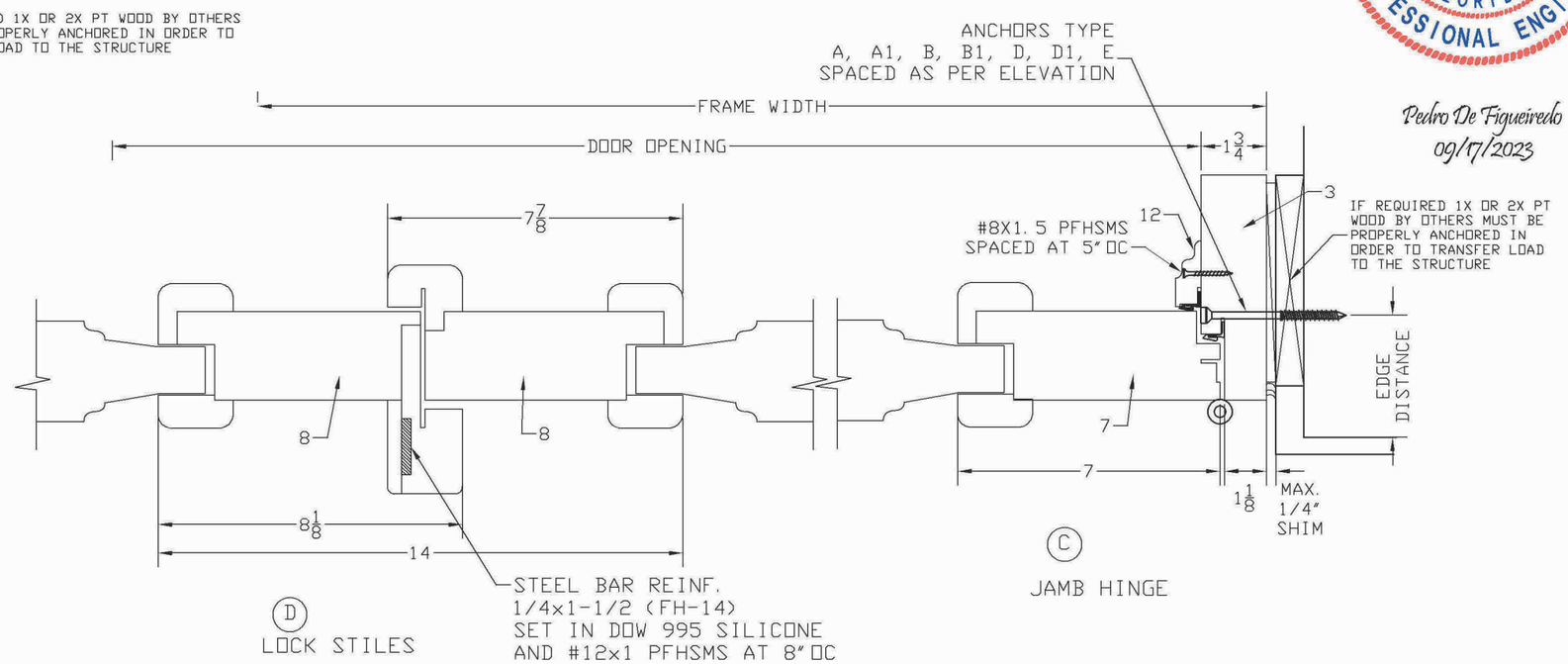
PEDRO M. DE FIGUEIREDO
LICENSE
No. 52609
STATE OF FLORIDA
PROFESSIONAL ENGINEER

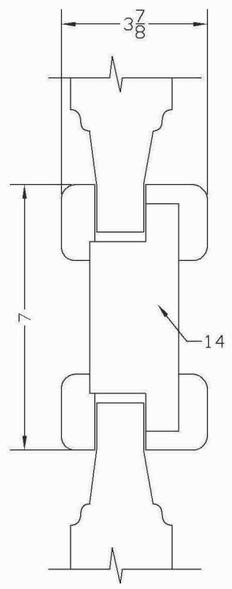
Pedro De Figueiredo
09/17/2023

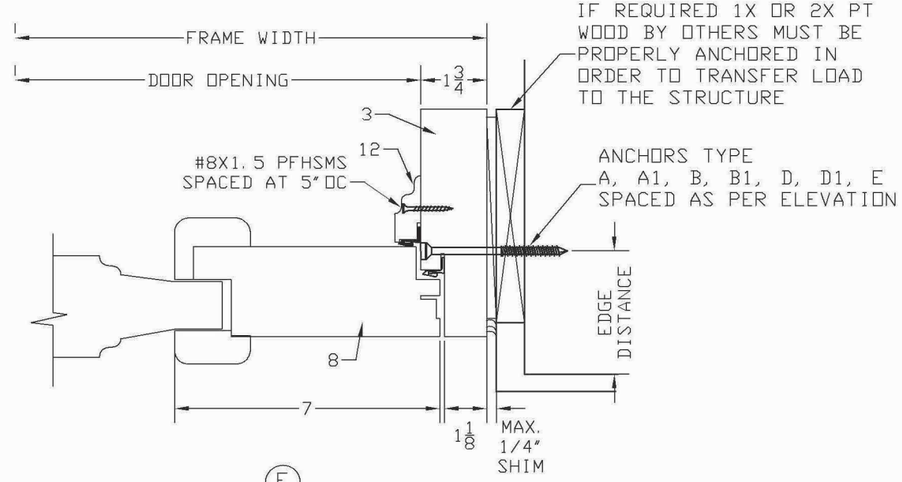
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PRODUCT:
PREMIUM OPAQUE
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PREMIUM ESTATES S.A.C.
AV. RICARDO PALMA #843 - LIMA, PERU
TEL: (511) 610-9110

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DATE: 09/17/2023
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SHEET 16 OF 17

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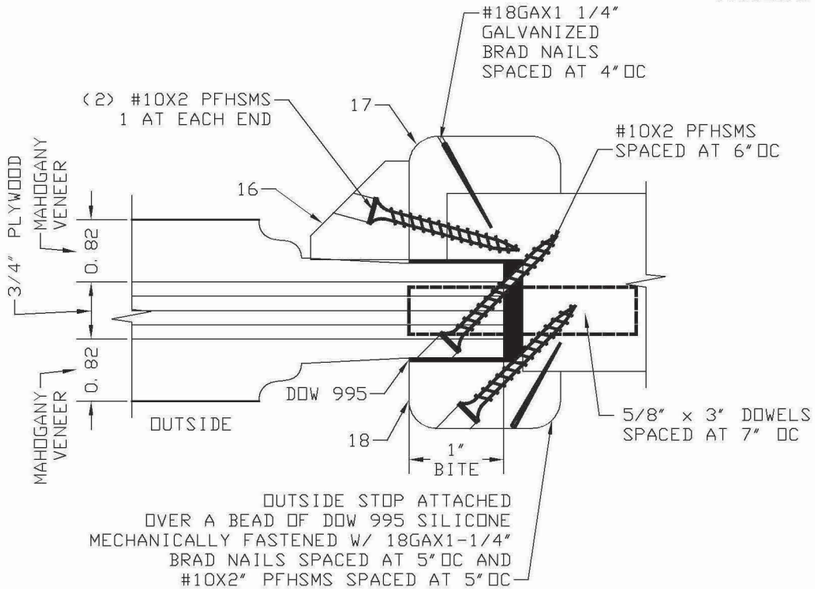
GENERAL DESCRIPTION

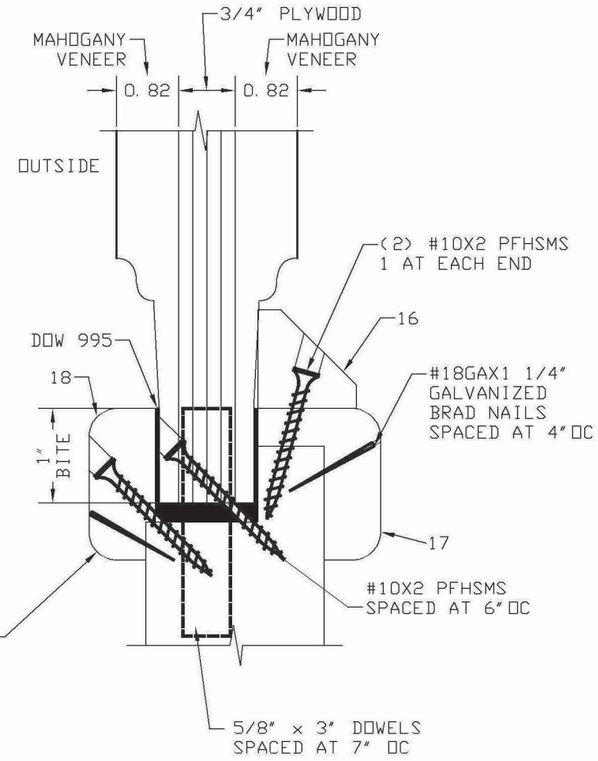
MAX. FRAME SIZE = 72 5/8" X 122 3/8" X 6" DEEP FRAME
MAX. PANEL SIZE = 36" X 120 1/2" X 2 3/8" DEEP
MAX. RAISED PANEL THICKNESS = 2 3/8"
WATER TEST PRESSURE: ±11.25 PSF (75 DP)

MODEL C1 & C2 - DOOR MISCELANEOUS
RECTANGULAR & ELLIPSE FRENCH OUTSWING DOOR
MAXIMUM 6'X10' AND 3'X10' MODELS
RATED: +75,-83 PSF

WOOD PANEL CONSTRUCTED BY GLUEING (DPA PLASTIC RESIN) A 3/4" PLYWOOD SHEET BETWEEN TWO 0.82" THICK MAHOGANY VENNERS

PANEL ATTACHMENT DETAIL

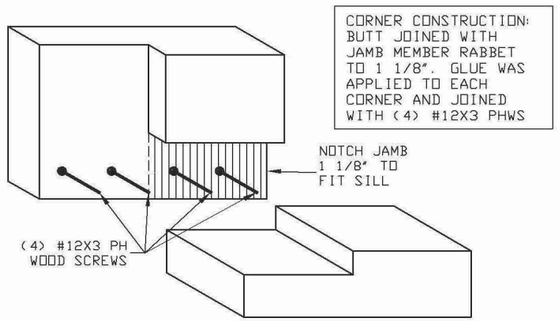




Pedro De Figueiredo
09/17/2023

BILL OF MATERIALS

ITEM#	DESCRIPTION	SIZE	REMARKS
1	SILL	2.02 x 6.00	LAMINATED WOOD
2	SILL WATER DAM	0.52 x 0.78	SOLID WOOD
3	JAMB	1.75 x 6.00	LAMINATED WOOD
4	HEAD	1.78 x 6.00	LAMINATED WOOD
5	FRAME MOLDING	1.76 x 0.67	SOLID WOOD
6	SILL BAR	0.50 x 0.12	ALUMINUM
7	HINGE STILE	2.39 x 6.38	LAMINATED WOOD
8	LOCK STILE	2.35 x 6.55	LAMINATED WOOD
9	TOP RAIL	2.32 x 6.60	LAMINATED WOOD
10	BOTTOM RAIL	2.30 x 10.88	LAMINATED WOOD
11	INACTIVE ASTRAGAL	2.09 x 1.77	SOLID WOOD
12	INSIDE MOLDING	2.02 x 1.53	SOLID WOOD
13	OUTSIDE GLAZING STOP	2.00 x 1.46	SOLID WOOD
14	OPTIONAL INTERMEDIATE RAIL	2.31 x 6.95	LAMINATED WOOD
15	ACTIVE ASTRAGAL	2.05 x 4.59	SOLID WOOD
16	INSIDE SQUARE MOLDING	1.30x 1.30	LAMINATED/ SOLID WOOD
17	INSIDE MOLDING	2.00 x 1.19	SOLID WOOD
18	OUTSIDE STOP	1.95 x 0.812	LAMINATED WOOD
19	DOOR STOP	1.56 x 0.93	LAMINATED WOOD



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SWING OUT WOOD DOOR
LARGE & SMALL MISSILE

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SCALE: NA
DATE: 09/17/2023
DRAWING # 23-174
SHEET 17 OF 17