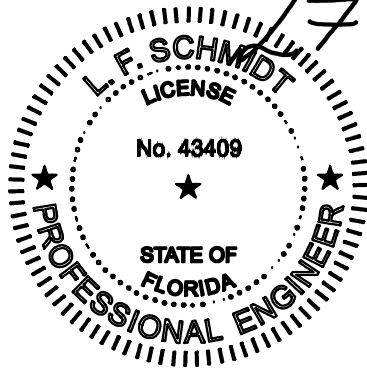
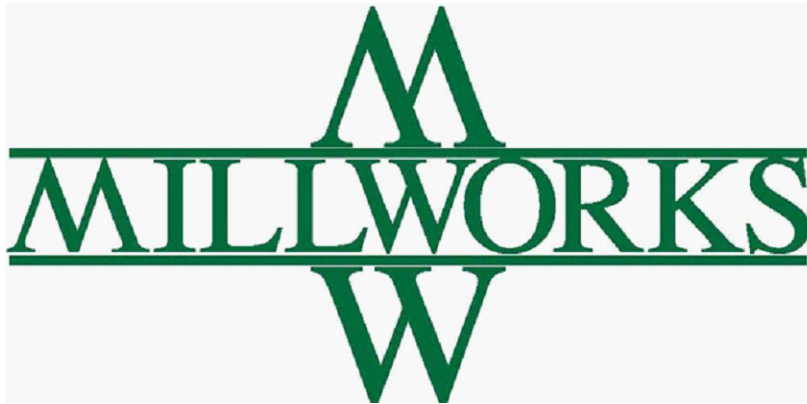
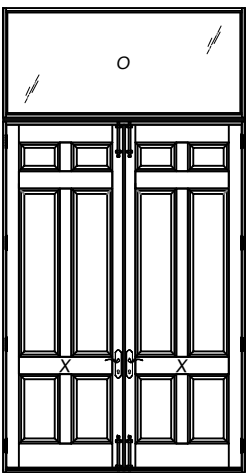




17
Schmidt
Digitally signed by Lyndon F Schmidt
Date: 2024.02.20 10:16:46 -05'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

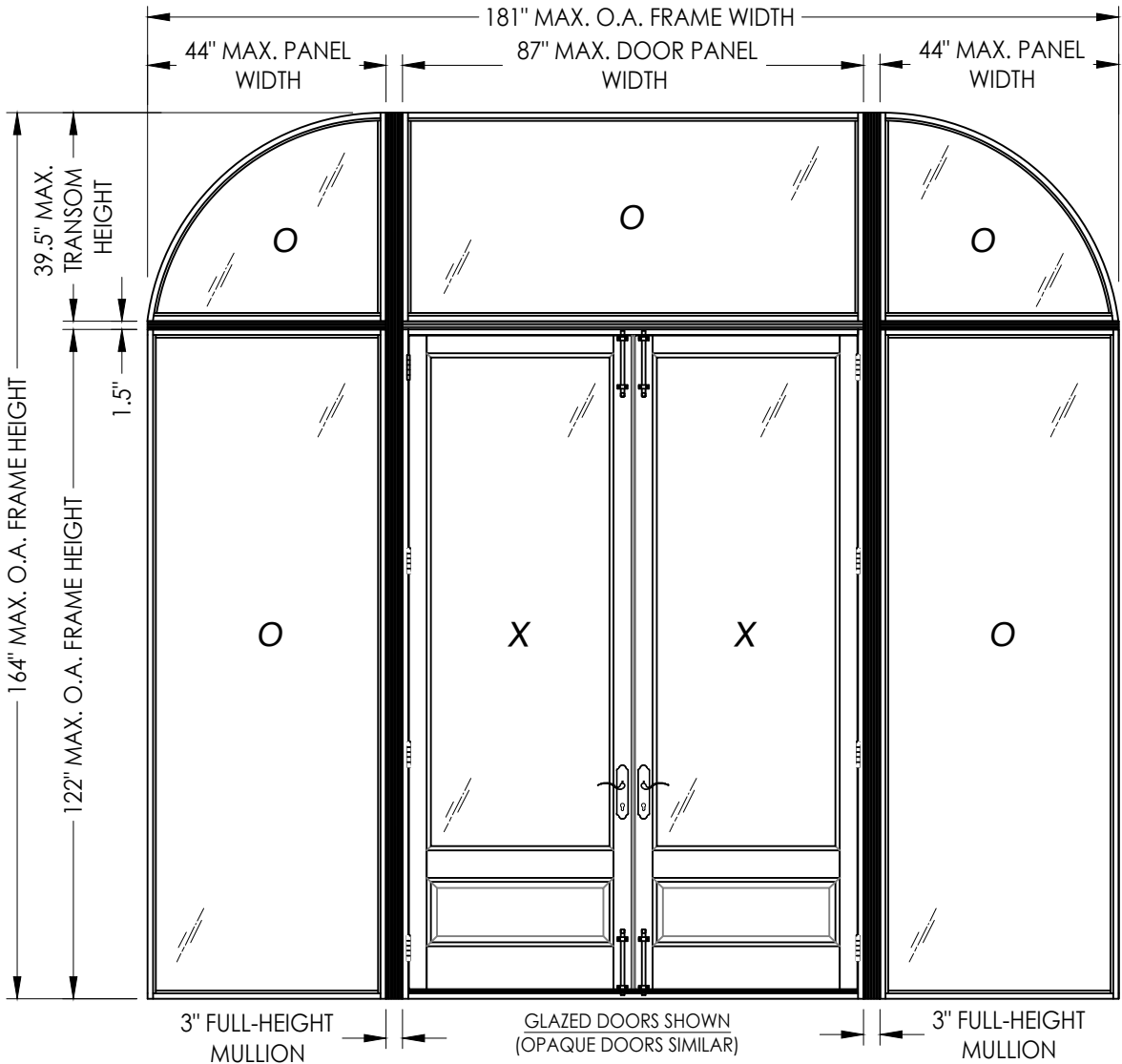


OPAQUE or GLAZED WOOD ENTRY DOOR
DOUBLE w/ or w/out SIDELITES & TRANSOM

INSWING
"IMPACT"

GENERAL NOTES

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in areas requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E1996 & FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING	
		POSITIVE	NEGATIVE
O/XX	87.0" x 164.0"	+50.0	-50.0
OOO/OXXO	181.0" x 164.0"	+50.0	-50.0

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite & Transom Panel Details
4	Elevations
5	Horizontal & Vertical Cross Sections (2X Buck)
6	Horizontal & Vertical Cross Sections (1X Buck)
7	Horizontal & Vertical Cross Sections (Direct to Masonry)
8	Horizontal & Vertical Cross Sections
9	Vertical Cross Sections
10	Buck Anchoring
11	Frame Anchoring & Hardware Details
12	Bill of Materials & Components

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

MW MILLWORKS
WOOD DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.

DATE

REVISIONS

DATE: 1/23/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-41636.7

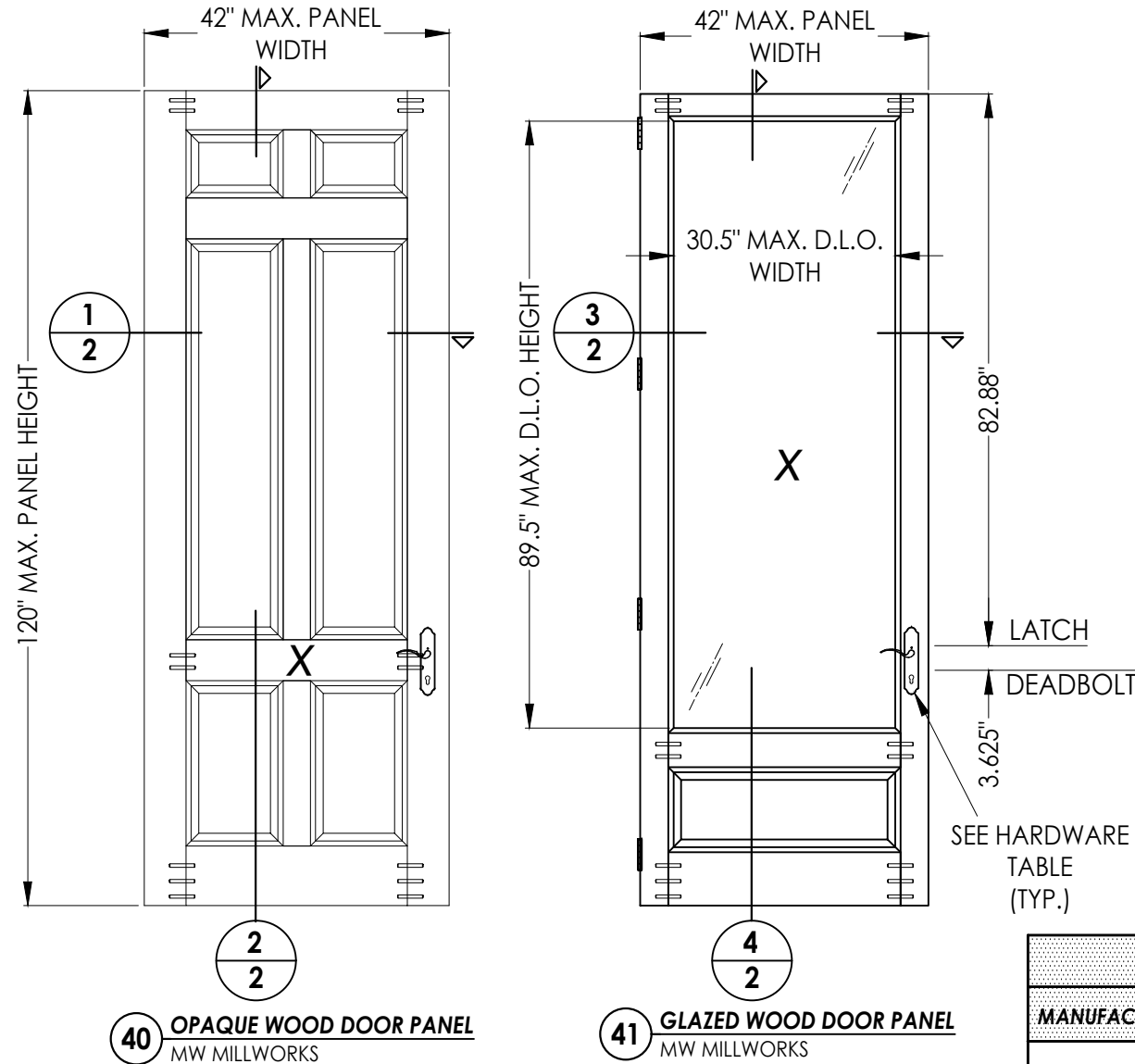
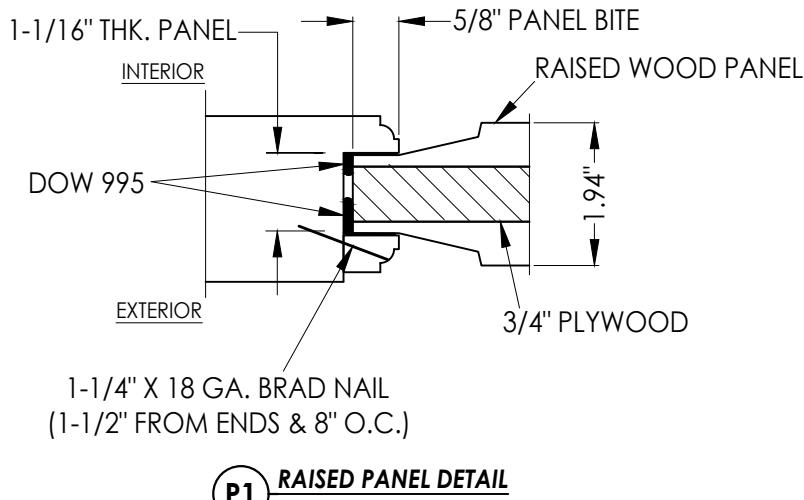
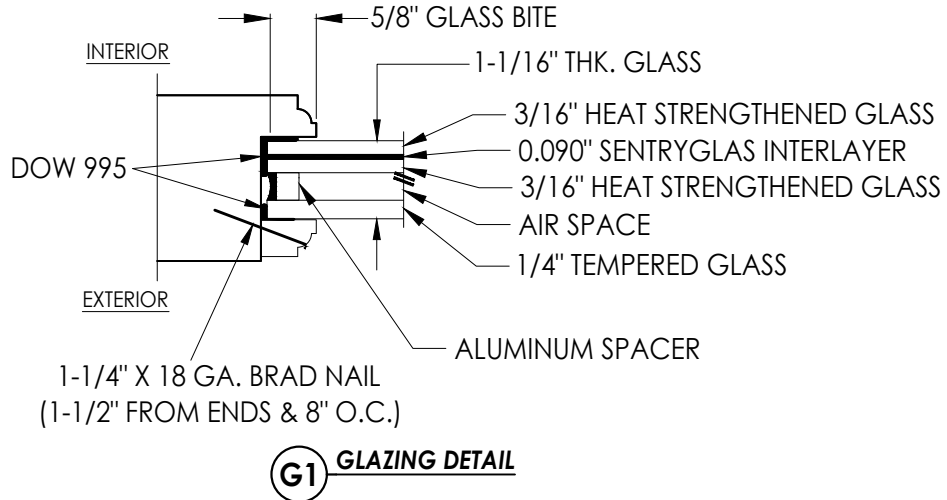
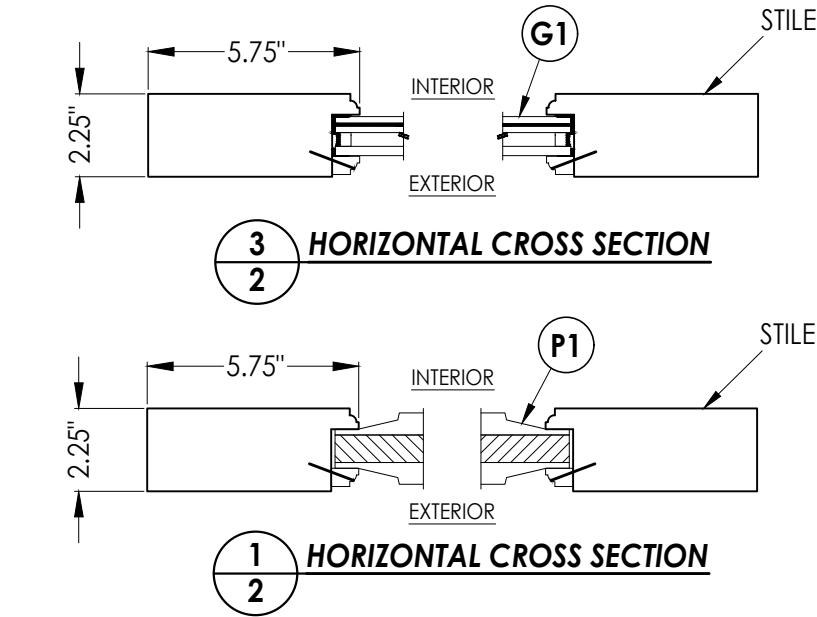
SHEET 1 OF 12

RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

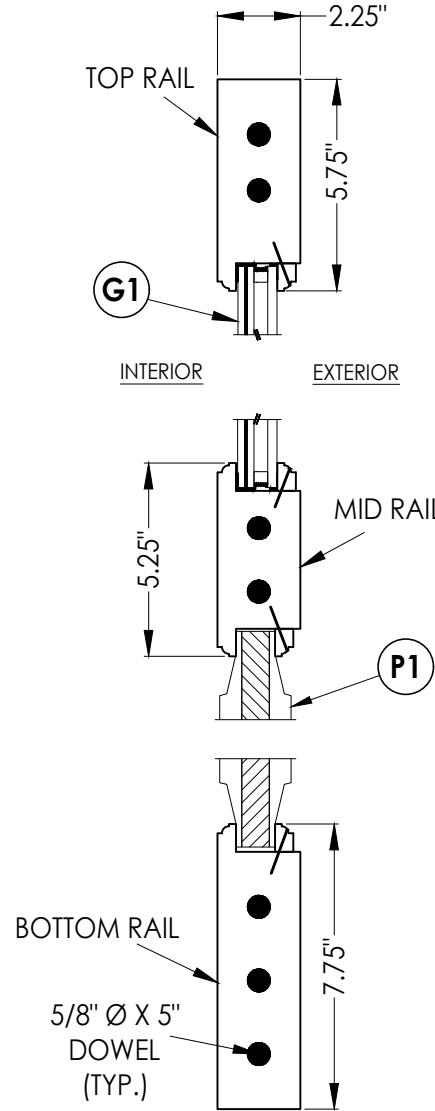
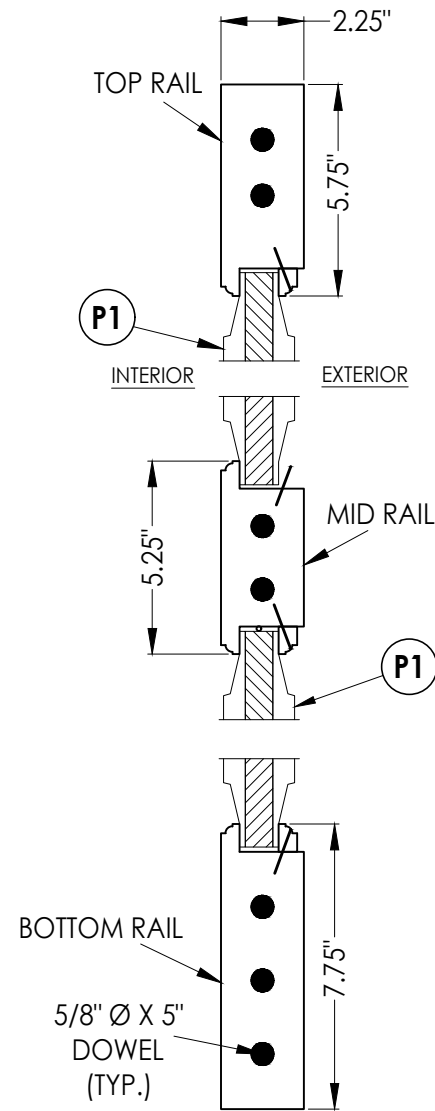
Z:\2023 FBC Drawings\Wood-On dba MW Millworks\FL-41636 R2\FL-41636.7.dwg

© 2024 R.W. BUILDING CONSULTANTS INC.

Z:\2023 FBC Drawings\Wood-On dba MW Millworks\FL-41636 R2\FL-41636.7.dwg



HARDWARE TABLE	
MANUFACTURER	MODEL
HOPPE	HLS 9000 SERIES MULTIPOINT HARDWARE: ACTIVE : TONGUE/SHOOTBOLT (6 PT.) INACTIVE: SHOOTBOLT (2 PT.)



WOOD DOOR COMPONENTS:
POPLAR: (G = 0.43)

DATE: 1/23/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-41636.7
SHEET 2 OF 12

PRODUCT: MW MILLWORKS WOOD DOOR	
PART OR ASSEMBLY: DOOR PANEL DETAILS	
NO.	DATE
REVISIONS	
BY	

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

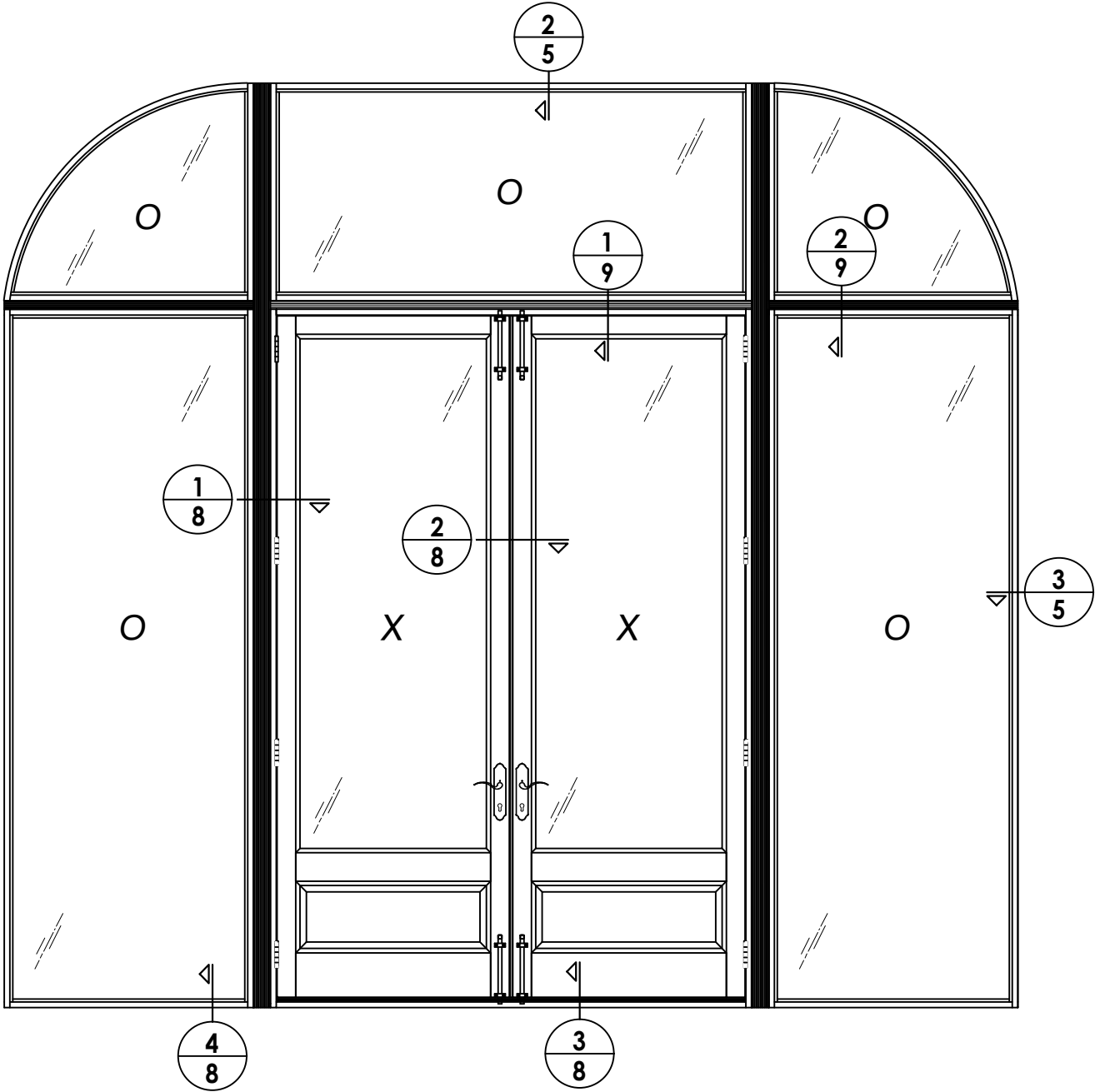
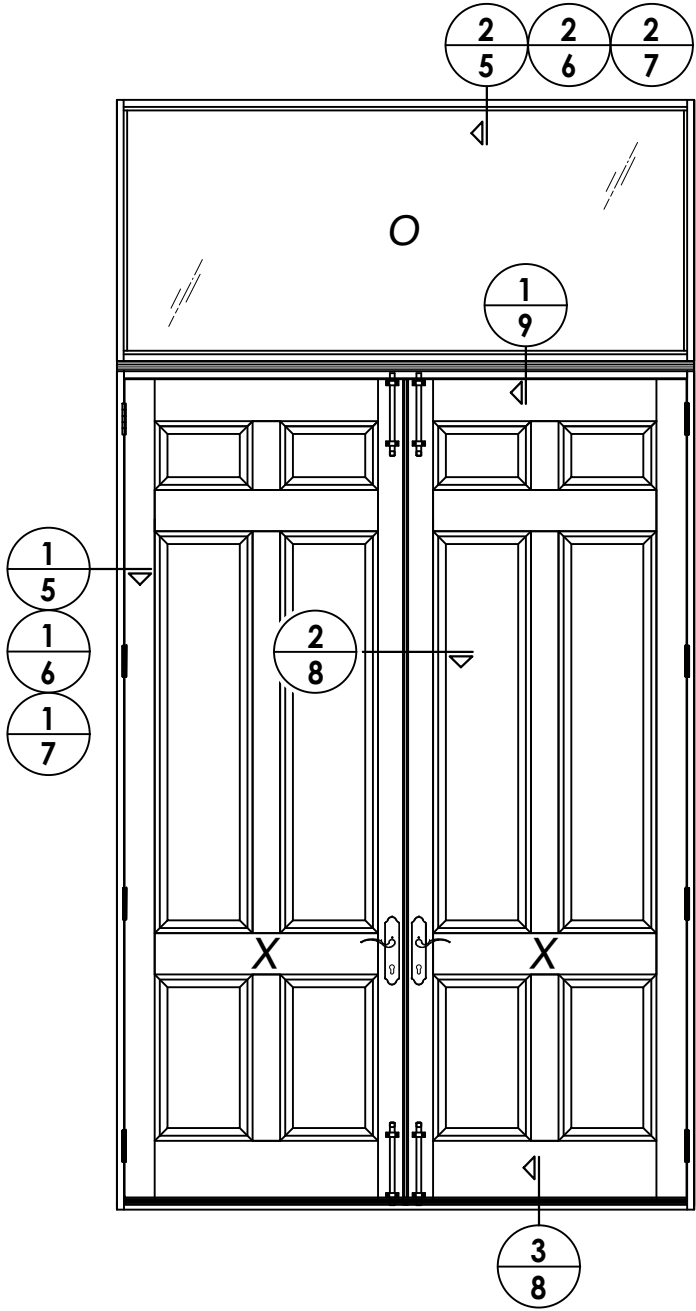
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

[illegible]

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 FBC Drawings\Wood-On dba MW Millworks\FL-41636 R2\FL-41636.7.dwg



NOTE: OPAQUE & GLAZED DOORS MAY BE INTERCHANGED
IN ALL CONFIGURATIONS SHOWN

NO.	DATE	REVISIONS	BY

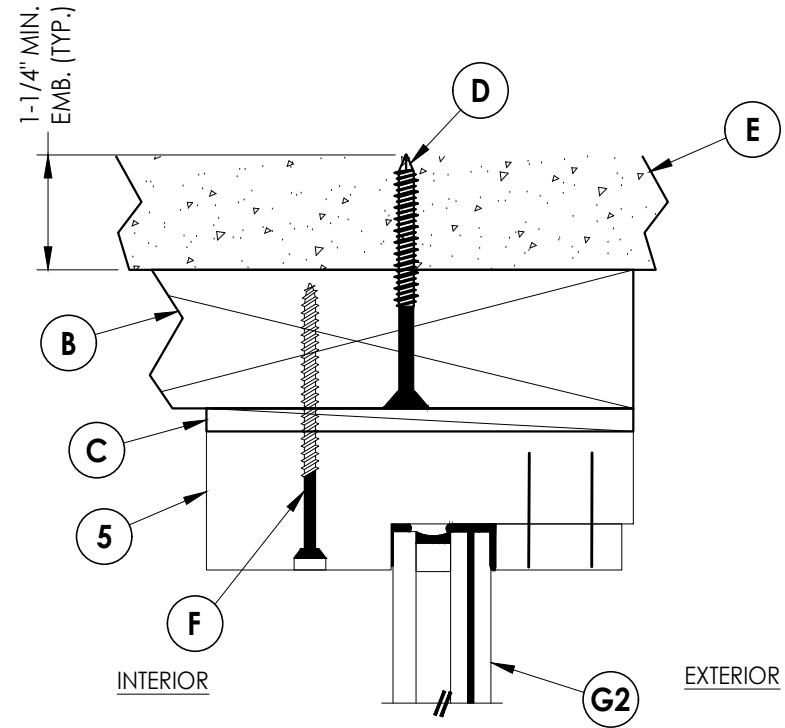
DATE: 1/23/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-41636.7
SHEET 4 OF 12

PRODUCT: MW MILLWORKS
WOOD DOOR
PART OR ASSEMBLY: ELEVATIONS

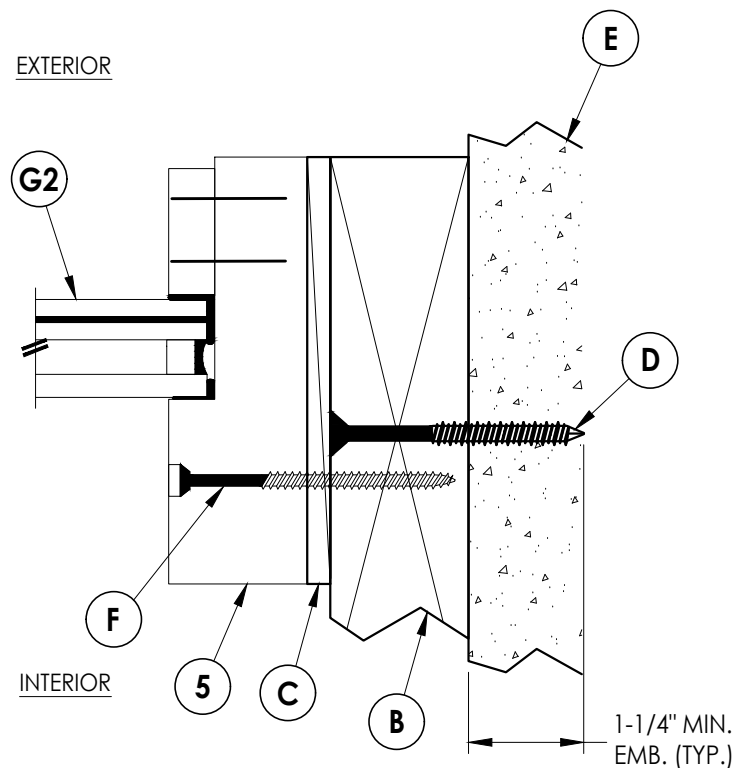
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

1 **HORIZONTAL CROSS SECTION**
5 2X Buck Construction



2 **VERTICAL CROSS SECTION**
5 2X Buck Construction



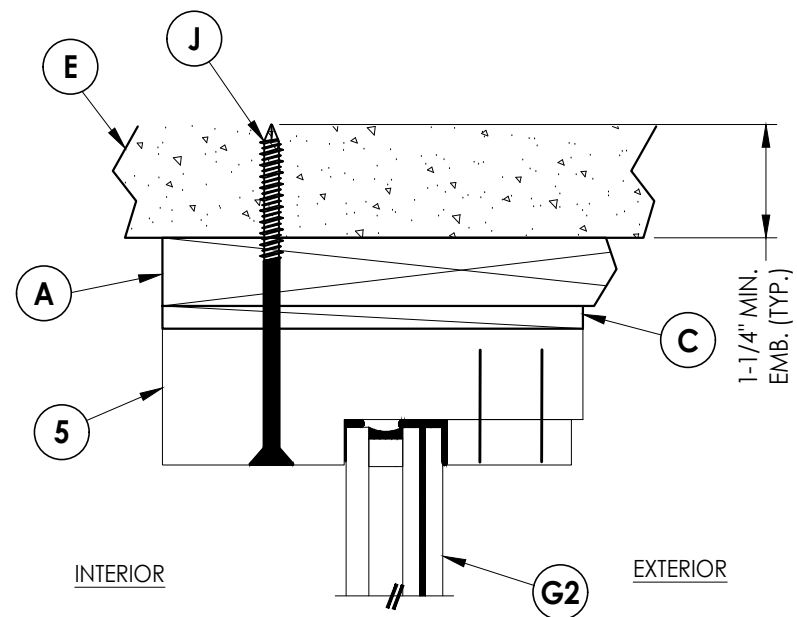
3 HORIZONTAL CROSS SECTION

[illegible]

RW BUILDING CO
P.O. Box 2
Phone No.:
FBPE Regis

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

1 6 **HORIZONTAL CROSS SECTION** 1X Buck Construction Double Door w/out Sidelites Only

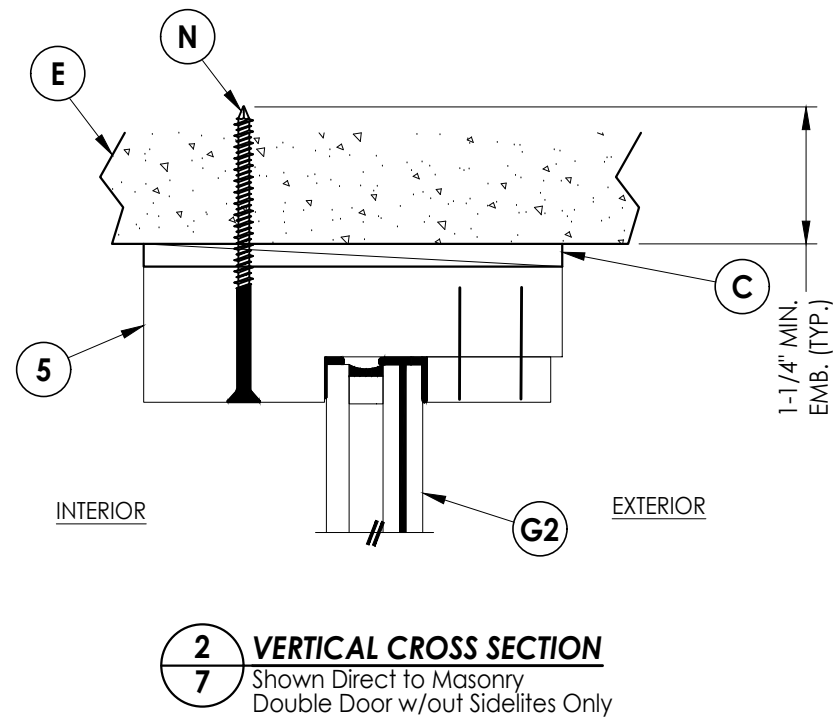


2 **VERTICAL CROSS SECTION**
6 1X Buck Construction
 Double Door w/out Sidelites Only

[illegible]

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



2 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
 Double Door w/out Sidelites Only

Shown Direct to Masonry
Double Door w/out Sidelites Only

Double Door w/out Sidelites Only

[illegible]

DATE:	1/23/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-41636.7
SHEET	7 OF 12

DWG. BY:	<i>LFS</i>
CHK. BY:	<i>RW</i>
DRAWING NO.:	<i>FL-41636.7</i>
SHEET	<u>7</u> OF <u>12</u>

CHK. BY: RW
DRAWING NO.:
FL-41636.7
SHEET 7 OF 12

DRAWING NO.:
FL-41636.7

SHEET 7 OF 12

SHEET 7 OF 12

PRODUCT: <u>MW MILLWORKS</u> <u>WOOD DOOR</u>	PART OR ASSEMBLY: <u>HORIZONTAL & VERTICAL CROSS</u> <u>SECTIONS (DIRECT TO MASONRY)</u>
--	---

PRODUCT: <u>MW MILLWORKS</u> <u>WOOD DOOR</u>	PART OR ASSEMBLY: <u>HORIZONTAL & VERTICAL CROSS</u> <u>SECTIONS (DIRECT TO MASONRY)</u>
DRAWING NO. <u>MD-100</u> DATE <u>10/1/2010</u>	

PRODUCT: <u>MW MILLWORKS</u> <u>WOOD DOOR</u>	PART OR ASSEMBLY: <u>HORIZONTAL & VERTICAL CROSS</u> <u>SECTIONS (DIRECT TO MASONRY)</u>
--	---

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

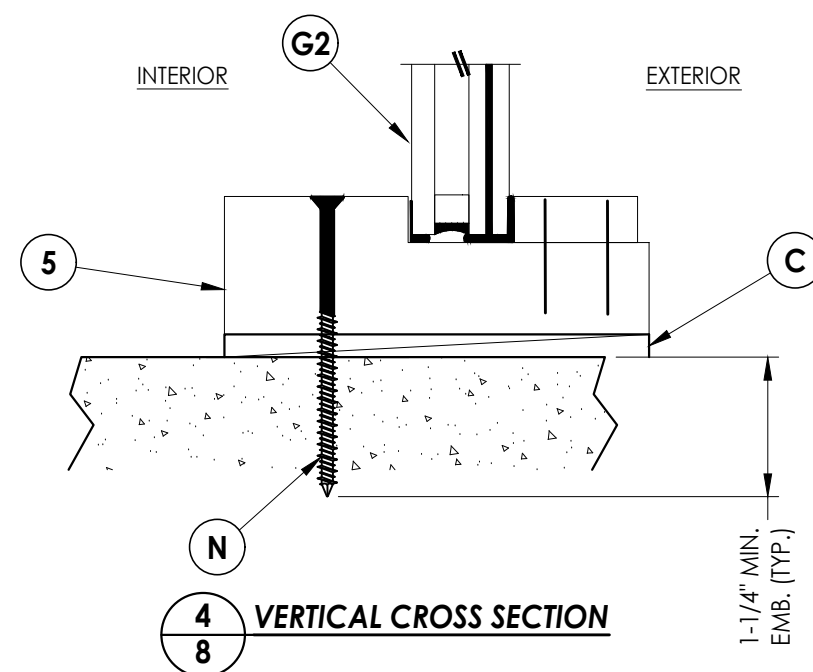
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



Diagram illustrating the vertical cross section of a door assembly, showing the interior and exterior views. The diagram includes the following components and dimensions:

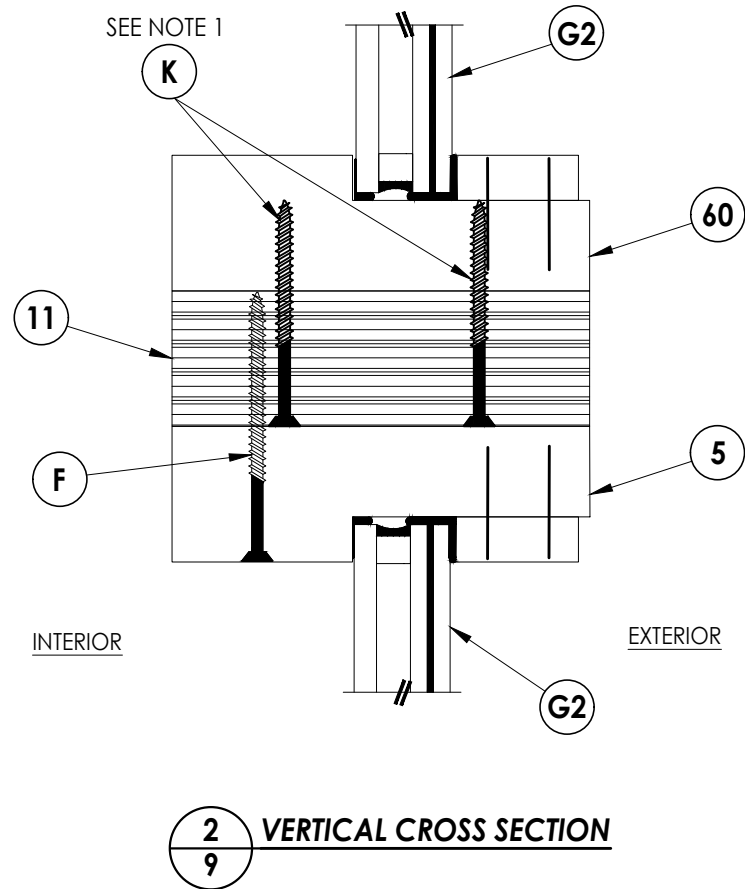
- Interior Components:**
 - 33: Interior trim or frame.
 - 34: Interior weatherstripping or seal.
 - 35: Interior door edge or frame.
- Exterior Components:**
 - 40: Exterior door edge or frame.
 - 41: Exterior trim or frame.
 - 8: Exterior weatherstripping or seal.
 - 2: Exterior door edge or frame.
- Dimensions and Details:**
 - D:** Dimension indicating the depth of the exterior door edge.
 - 1-1/4" MIN. EMB. (TYP.):** Dimension indicating the minimum embedment depth of the exterior door edge into the substrate.

3
8 **VERTICAL CROSS SECTION**



© 2024 R.W. BUILDING CONSULTANTS INC.

1. MULLION TO TRANSOM ASSEMBLY SCREWS (2 ROWS)
LOCATED 2" FROM EACH END & 12" O.C. THEREAFTER.



RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33593

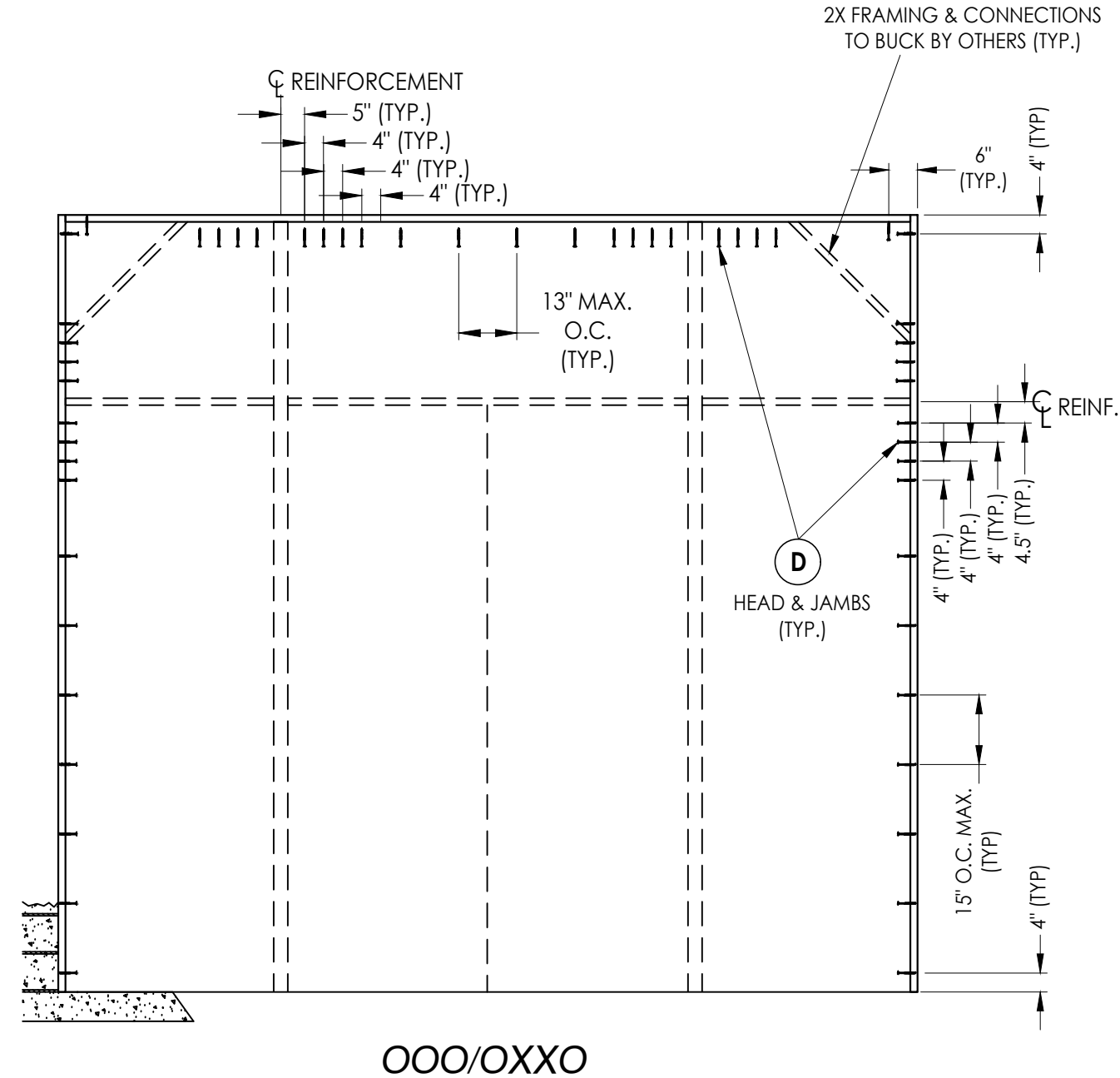
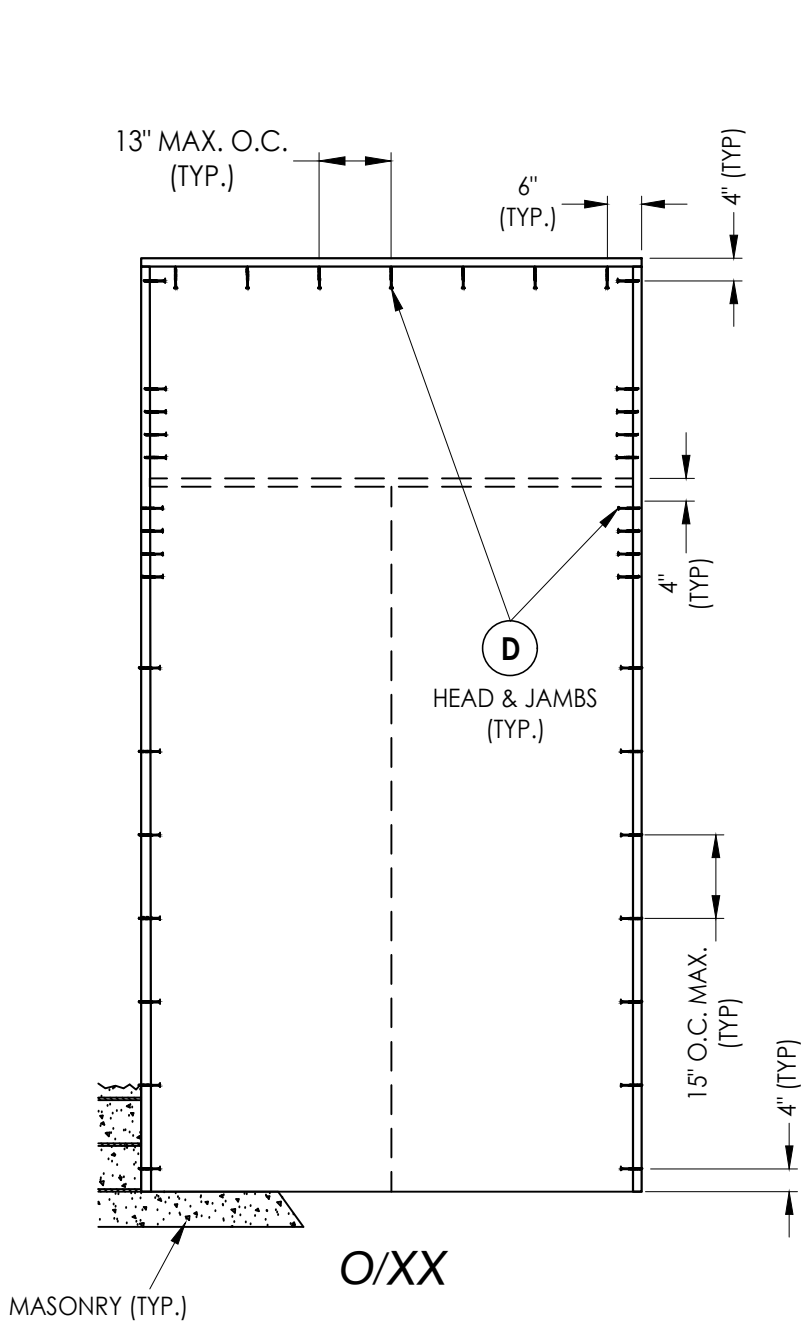
PART OR ASSEMBLY:

**HORIZONTAL & VERTICAL
CROSS SECTIONS**

[illegible]

DATE:	11
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-41636.7
SHEET	9 OF 12

Z:\2023 FBC Drawings\Wood-On dba MW Millworks\FL-41636 R2\FL-41636.7.dwg



2X BUCK ANCHORING

DATE: 1/23/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-41636.7
SHEET 10 OF 12

NO.		DATE	REVISIONS	
				BY

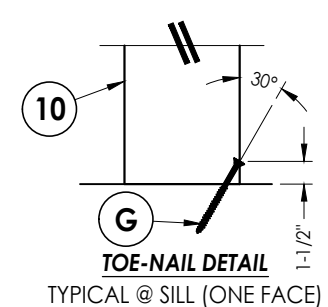
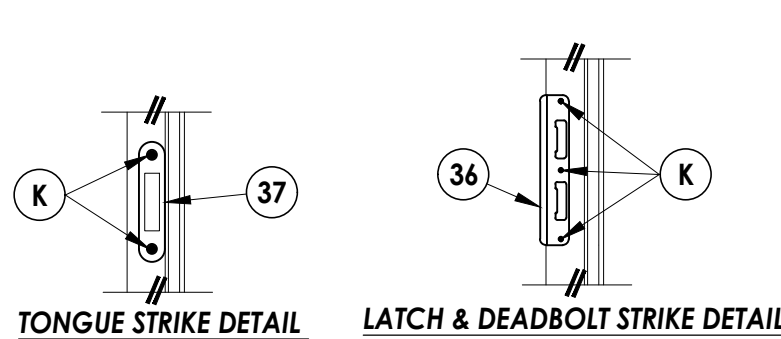
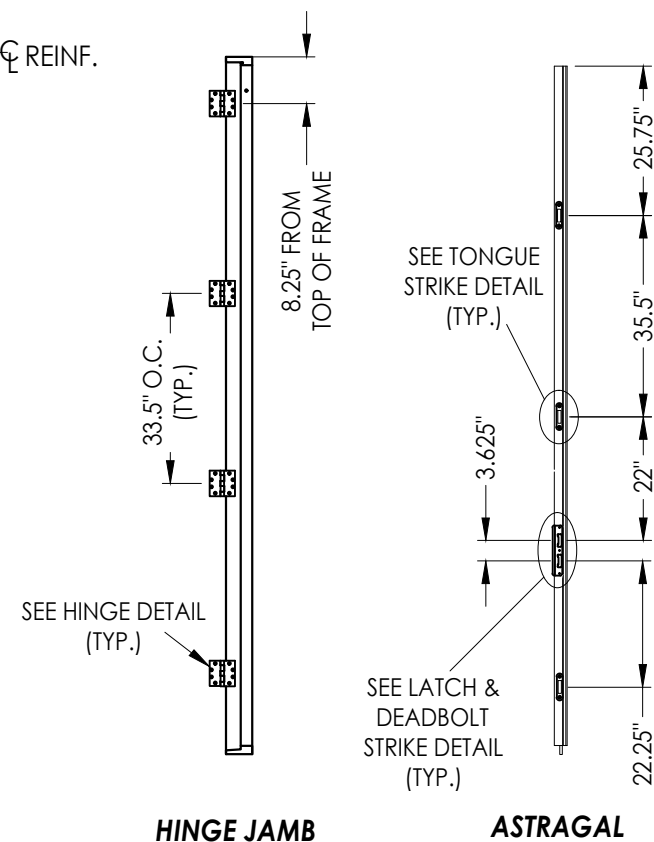
PRODUCT:	MW MILLWORKS WOOD DOOR
	PART OR ASSEMBLY: BUCK ANCHORING

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

1. HEAD & SILL EACH ATTACHED TO MULLION w/ (4) #10 X 3" STAR FH DECK SCREWS @ EACH END (TYP.)



DATE:	1/23/24
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-41636.7
SHEET	11 OF 12

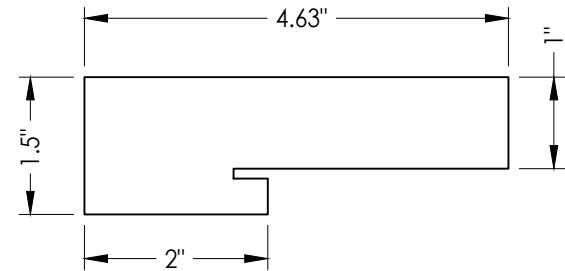
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

© 2024 R.W. BUILDING CONSULTANTS INC.

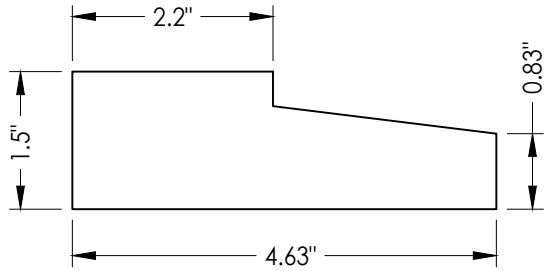
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90	CONCRETE
F	#10 X 3" PFH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 X 2-1/2" PFH WOOD SCREW	STEEL
M	3/16" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL
N	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
P	#12 X 2-1/2" PFH WOOD SCREW	STEEL
1	DOOR JAMB	WOOD
2	DOOR SILL	WOOD
5	DIRECT SET SIDELITE JAMB	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
10	MULLION LVL REINFORCEMENT	LVL
11	MULLION LVL REINFORCEMENT	LVL
14	#8 X 1-14" FH SMS	STEEL
23	#7 X 1-1/4" PFH WOOD SCREW	STEEL
25	#12 X 1-1/4" PFH WOOD SCREW	STEEL
29	4.5" X 4.5" HINGE	STEEL
31	SHOOTBOLT STRIKE PLATE	STEEL
32	#8 X 3/4" PFH WOOD SCREW	STEEL
33	IVES SURFACE BOLT (SB453 - 12")	STEEL
34	IVES SURFACE BOLT STRIKE PLATE	STEEL
35	#10 X 2" PFH SMS	STEEL
36	MULTIPOINT LATCH & DEADBOLT STRIKE PLATE	STEEL
37	MULTIPOINT TONGUE STRIKE PLATE	STEEL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR DETAILS	-

WOOD DOOR FRAME COMPONENTS:

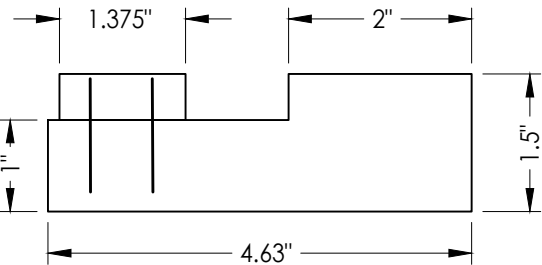
POPLAR: ($G = 0.43$)



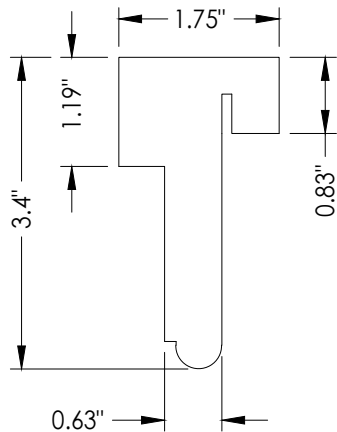
1 WOOD DOOR JAMB



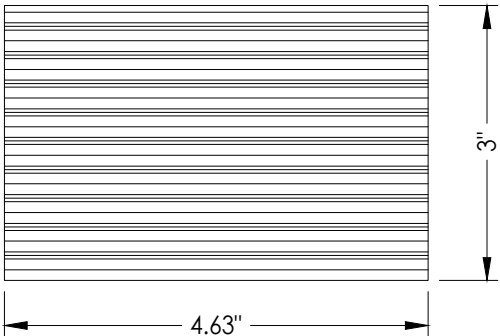
2 WOOD DOOR SILL



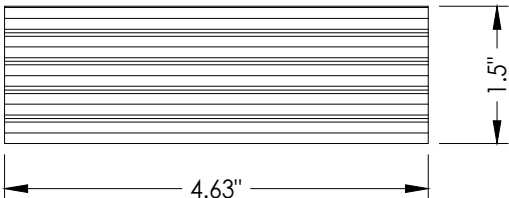
5 WOOD DIRECT SET SIDELITE JAMB



6 ASTRAGAL



10 **MULLION LVL REINFORCEMENT**
 VERSA-LAM® 2.1E 3100 LVL
 VERITCAL - FULL HEIGHT



11 **MULLION LVL REINFORCEMENT**
 VERSA-LAM® 2.1E 3100 LVL
 HORIZONTAL

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	3"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"

WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

[illegible]