

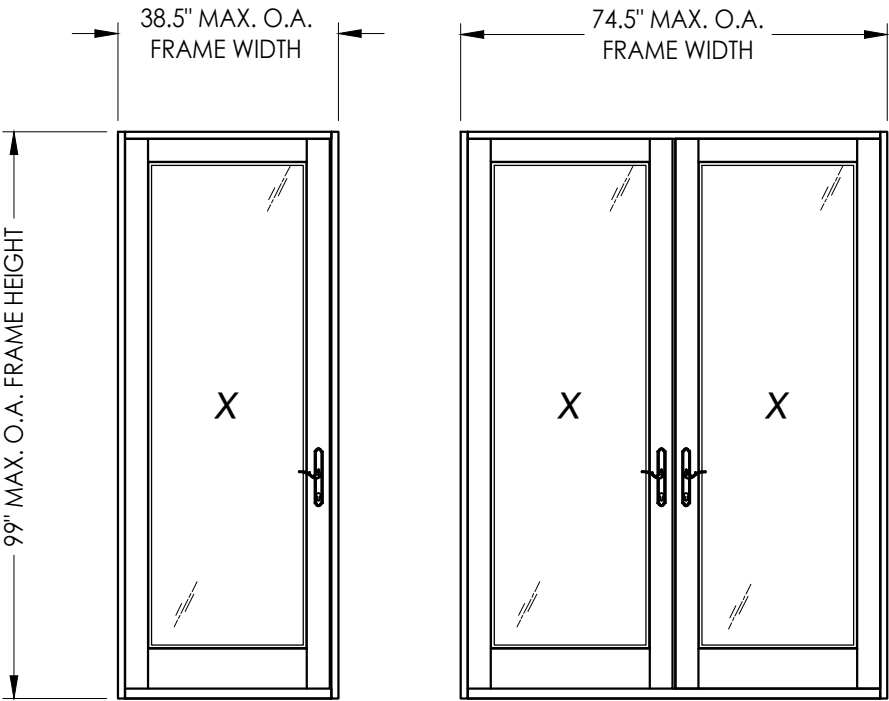


GLAZED WOOD ENTRY DOOR
SINGLE or DOUBLE
INSWING
"IMPACT"

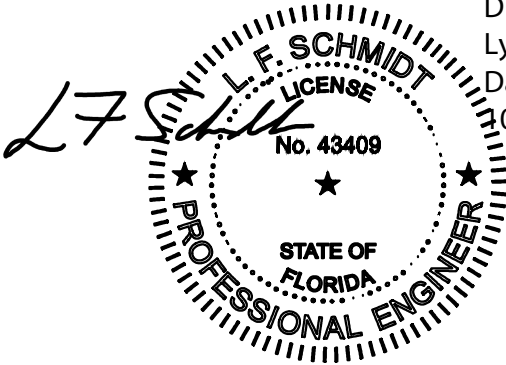
GENERAL NOTES

- 1. 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).
- 2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 3. 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.
- 4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING	
		POSITIVE	NEGATIVE
X	38.5" x 99.0"	+50.0	-50.0
XX	74.5" x 99.0"	+50.0	-50.0



Digitally signed by
Lyndon F Schmidt
Date: 2024.04.15
10:12:11 -04'00'

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

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

PRODUCT: UPSTATE DOOR WOOD DOOR

DATE: 3/05/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46620.4

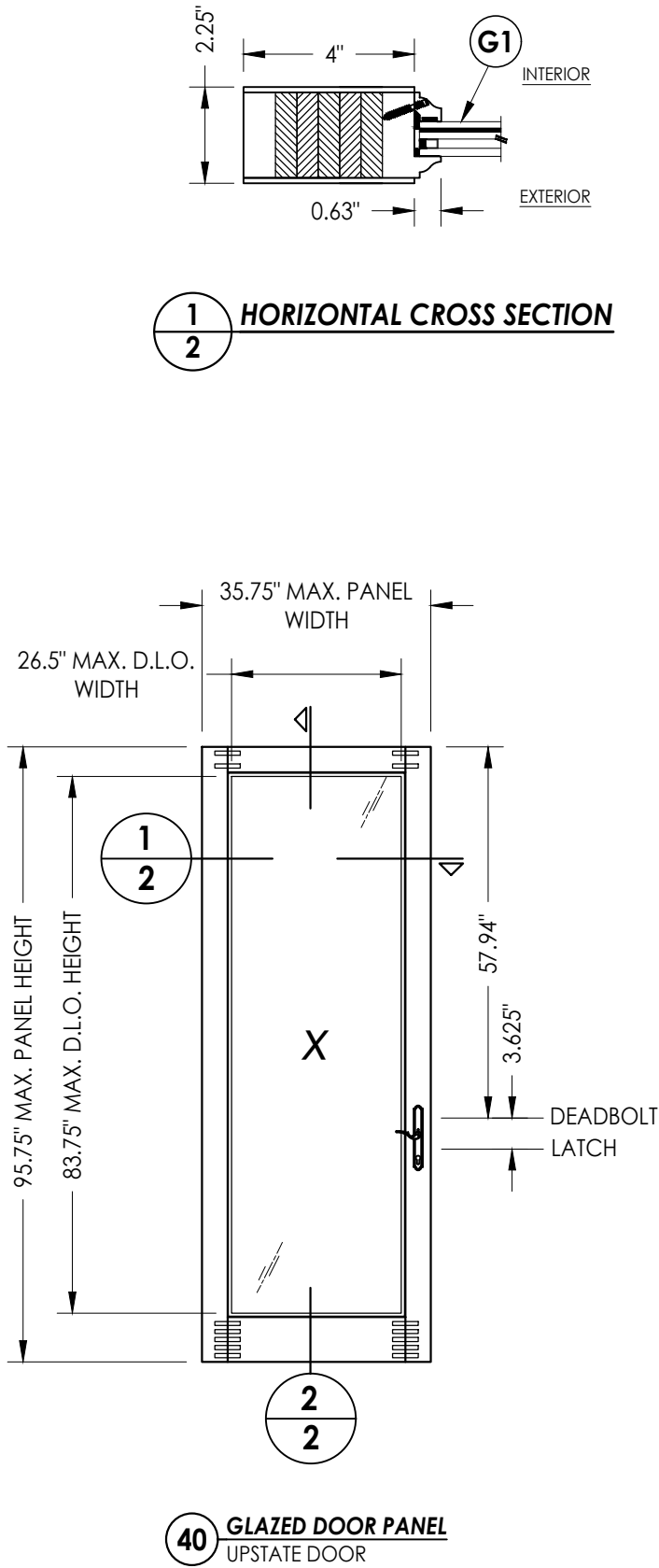
SHEET 1 OF 9

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

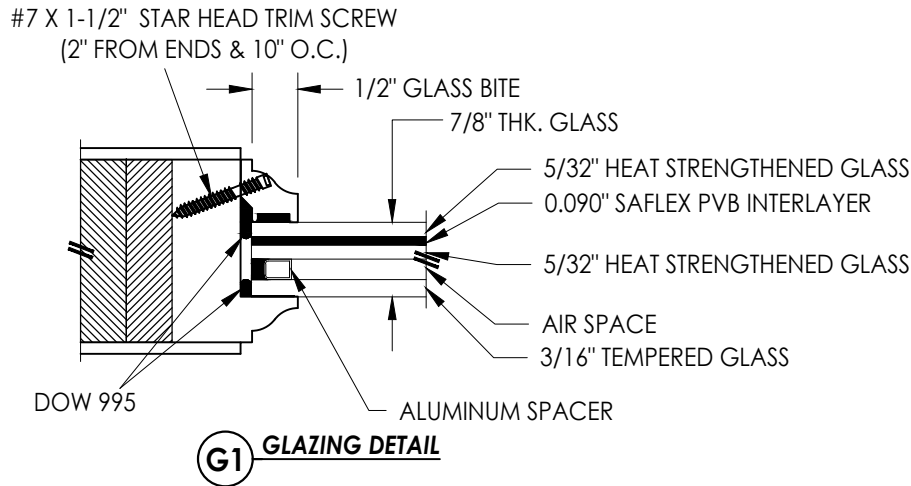
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS

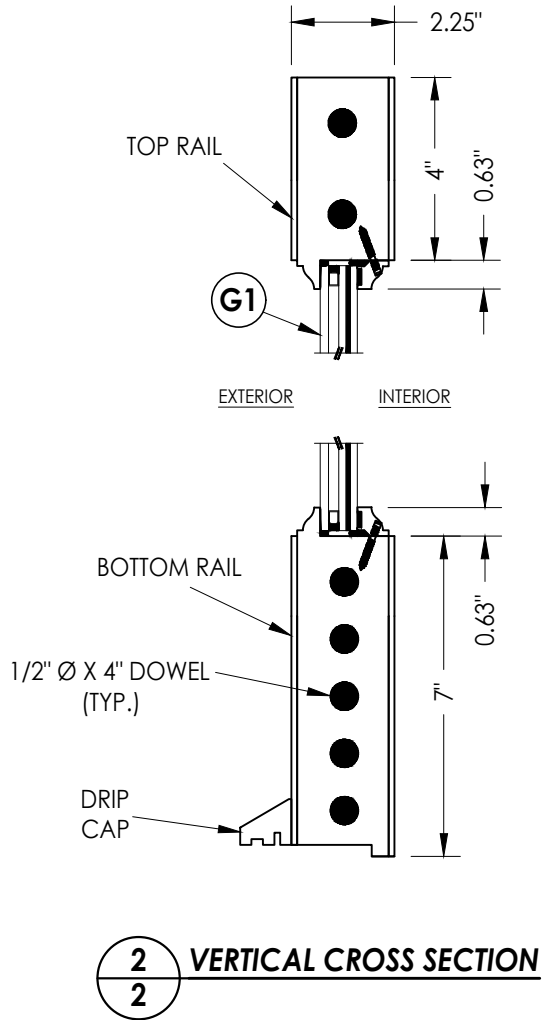
Z:\2023 FBC Drawings\Upstate Door\FL-46620\FL-46620.4.dwg



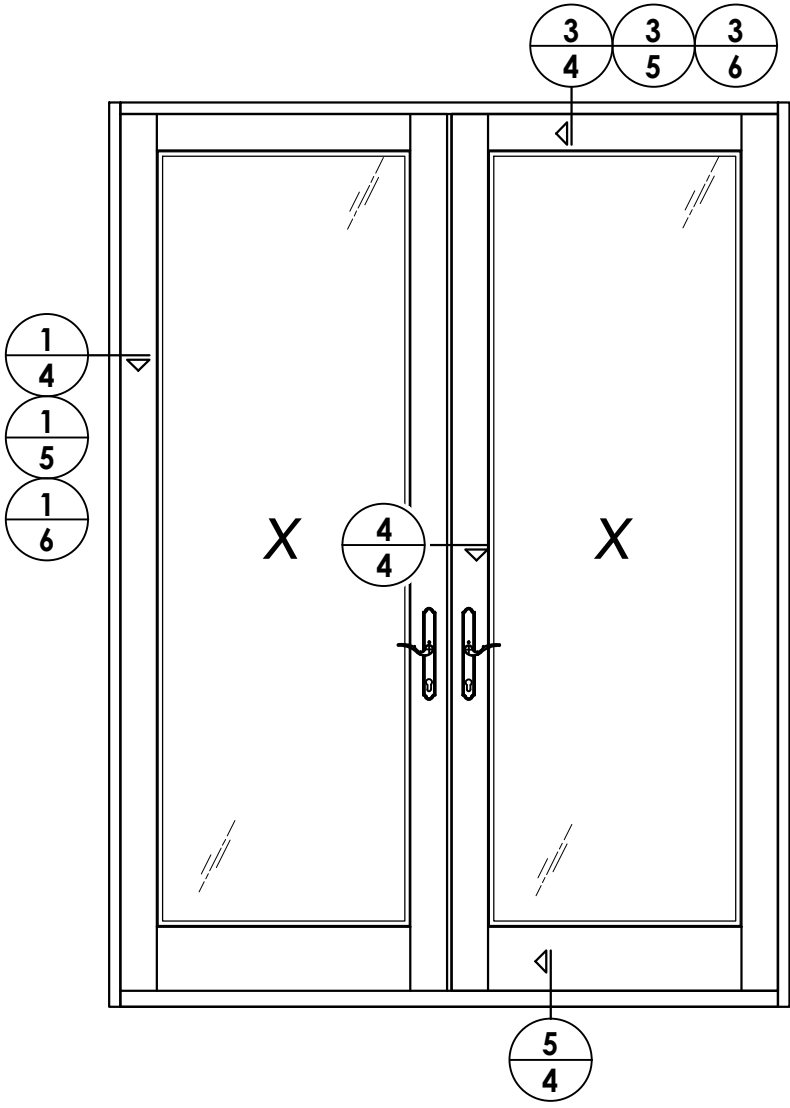
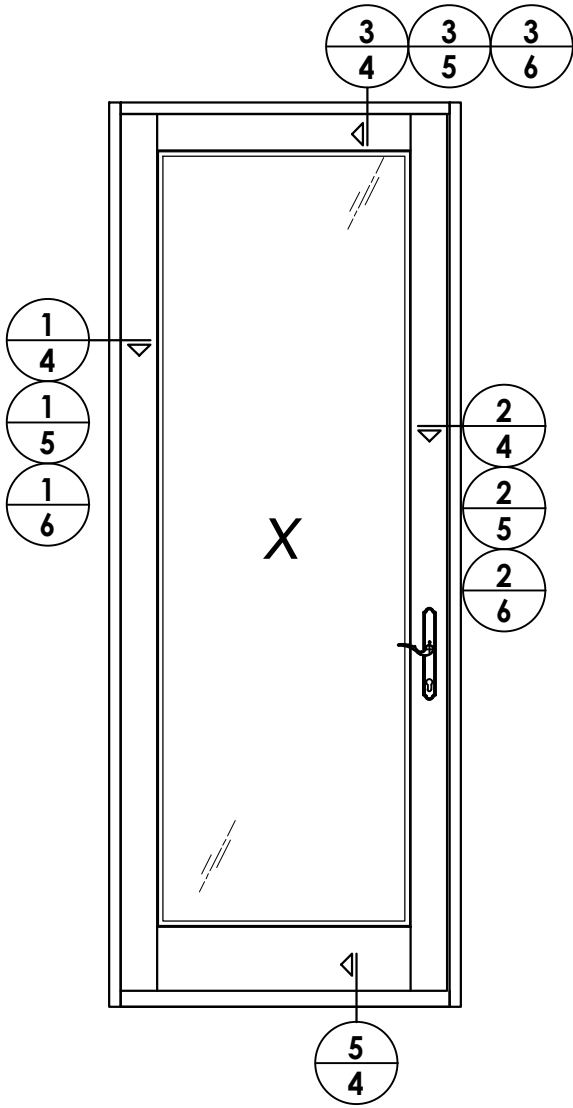
WOOD PANEL COMPONENTS:
AFRICAN MAHOGANY: (G = 0.50)



HARDWARE TABLE	
MANUFACTURER	MODEL
GU	MULTIPOINT HARDWARE: ACTIVE : TONGUE/SHOOTBOLT INACTIVE: SHOOTBOLT



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	
PRODUCT: UPSTATE DOOR WOOD DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		NO.	DATE
			BY
REVISIONS			
DATE: 3/05/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46620.4			
SHEET 2 OF 9			

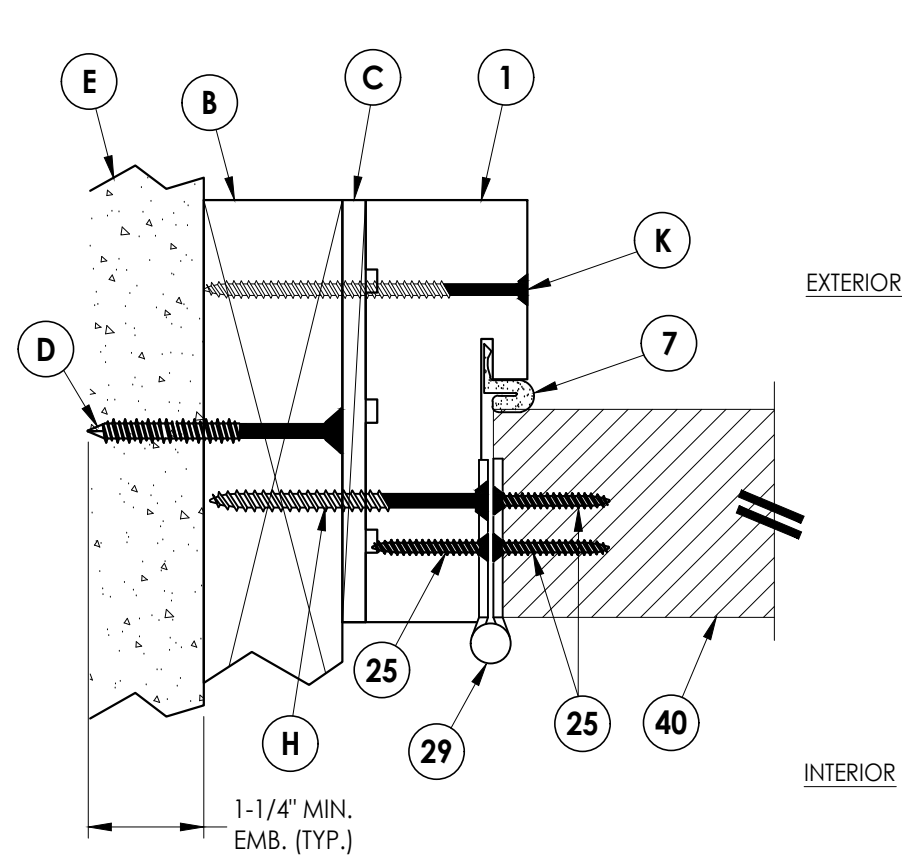


DATE: 3/05/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46620.4
SHEET 3 OF 9

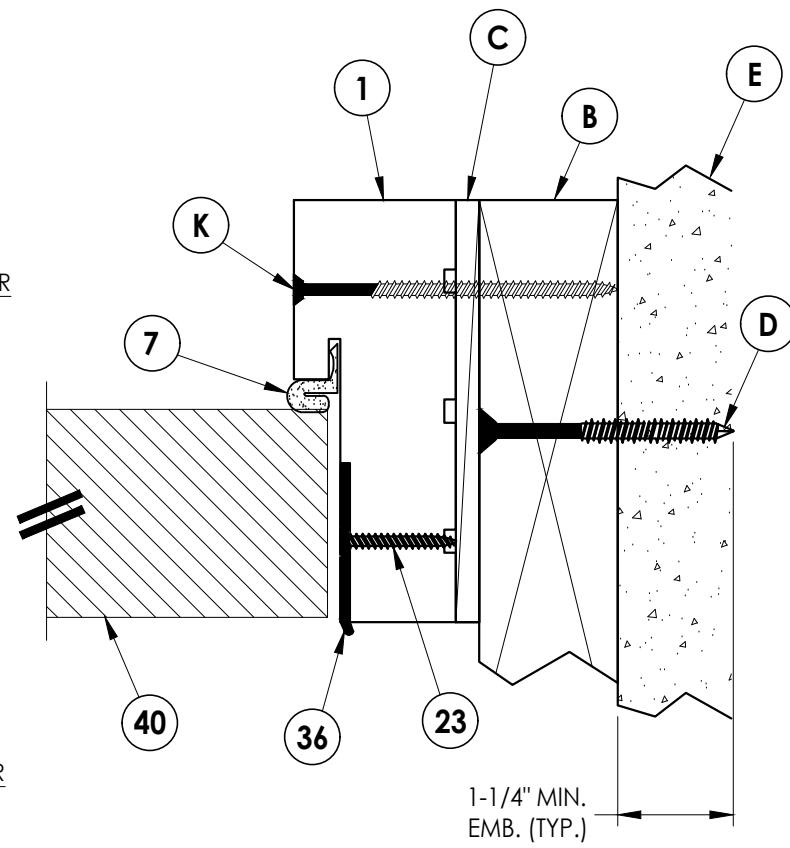
NO.	DATE	REVISIONS	BY

PRODUCT: UPSTATE DOOR
WOOD DOOR
PART OR ASSEMBLY: ELEVATIONS

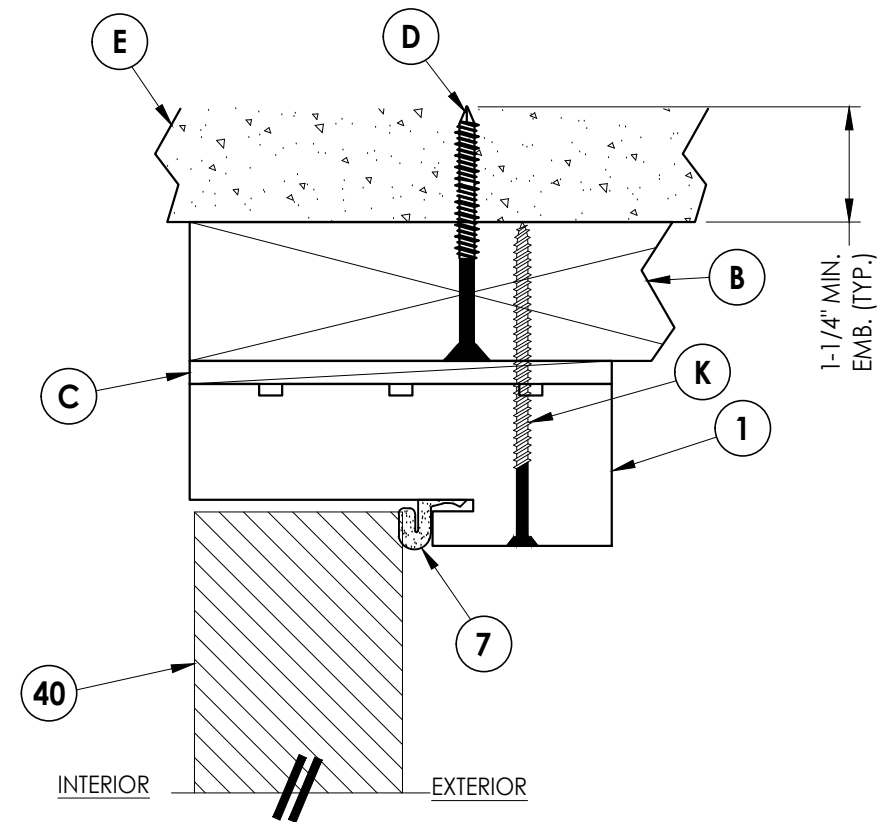
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



1 4 **HORIZONTAL CROSS SECTION** 2X Buck Construction

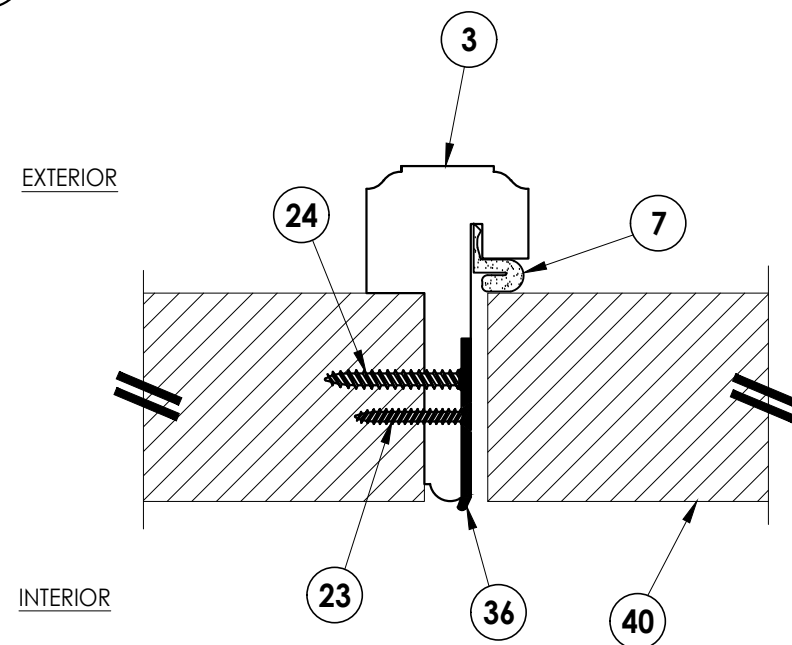


2 **HORIZONTAL CROSS SECTION**
4 2X Buck Construction

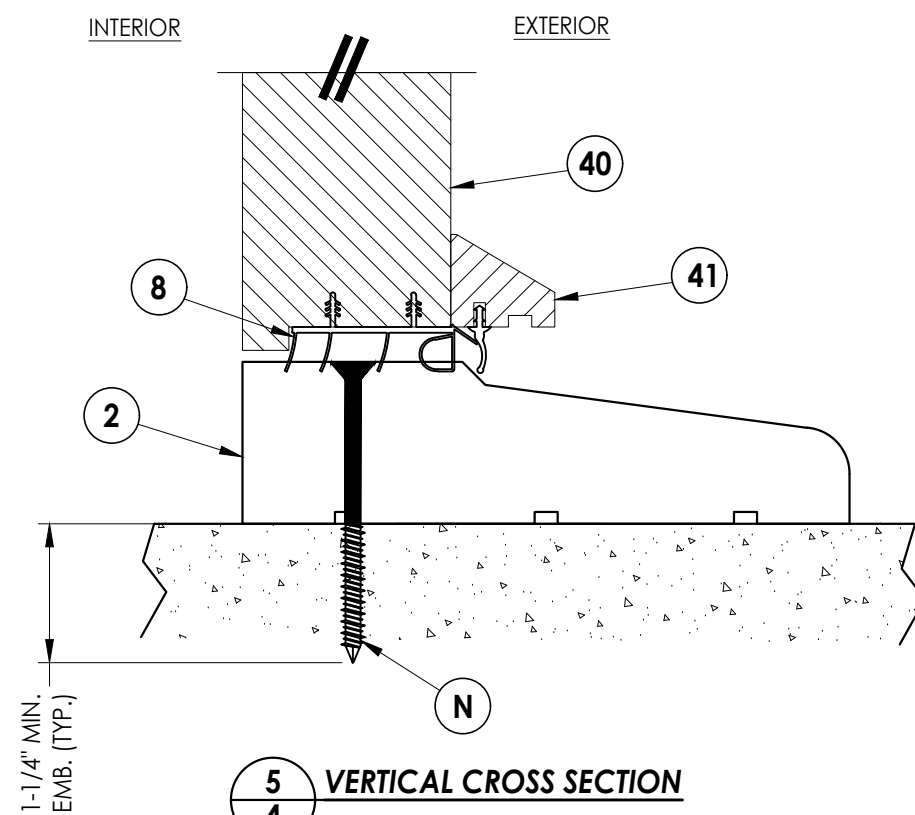


3 VERTICAL CROSS SECTION

4 2X Buck Construction



4 **HORIZONTAL CROSS SECTION**

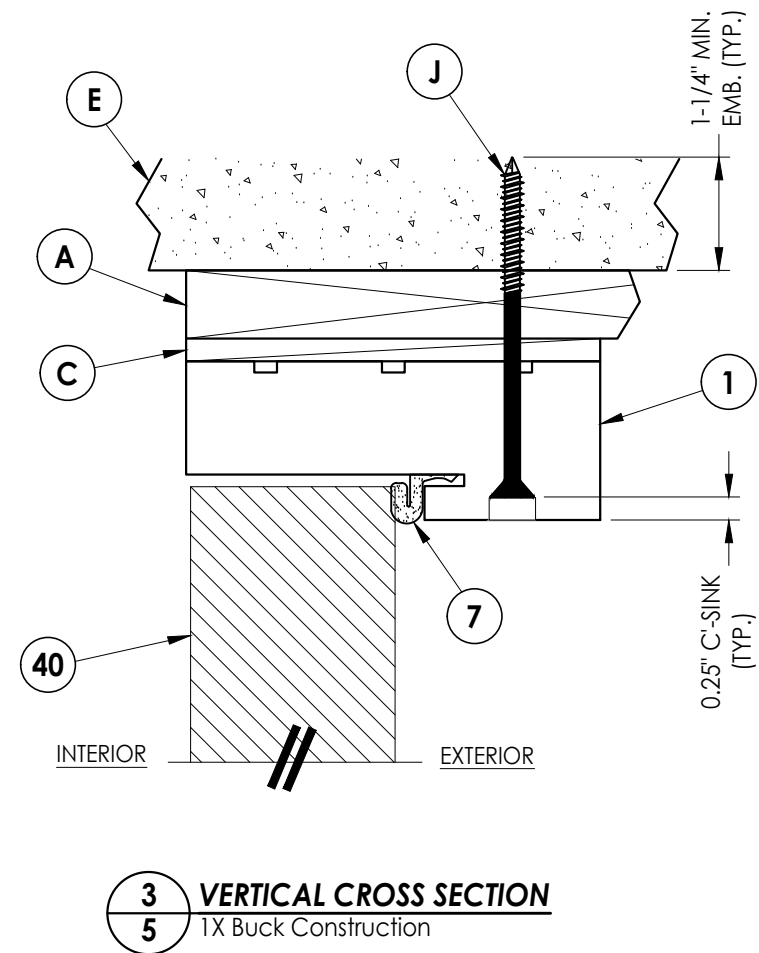
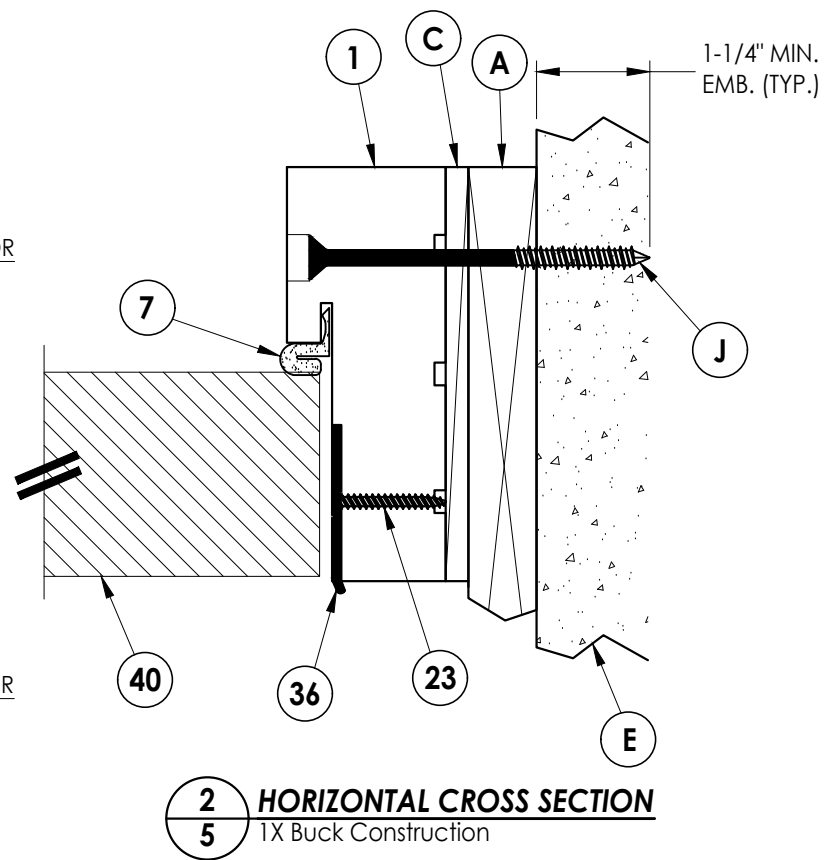
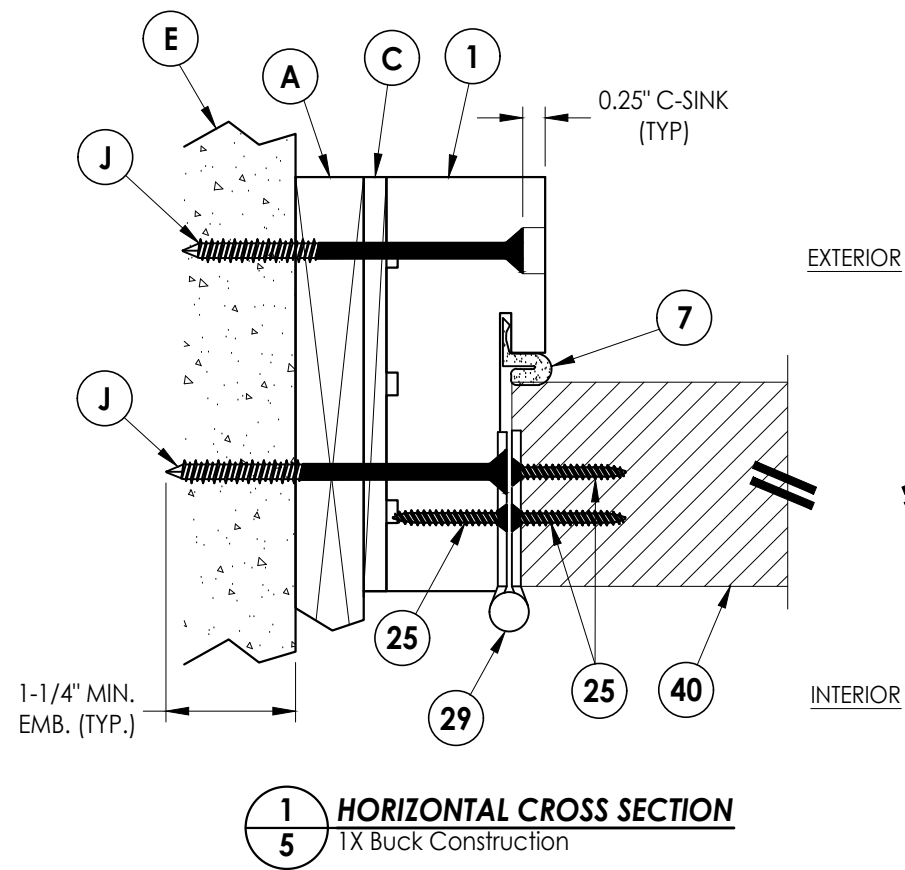


5 **VERTICAL CROSS SECTION**
4

[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

[illegible]

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

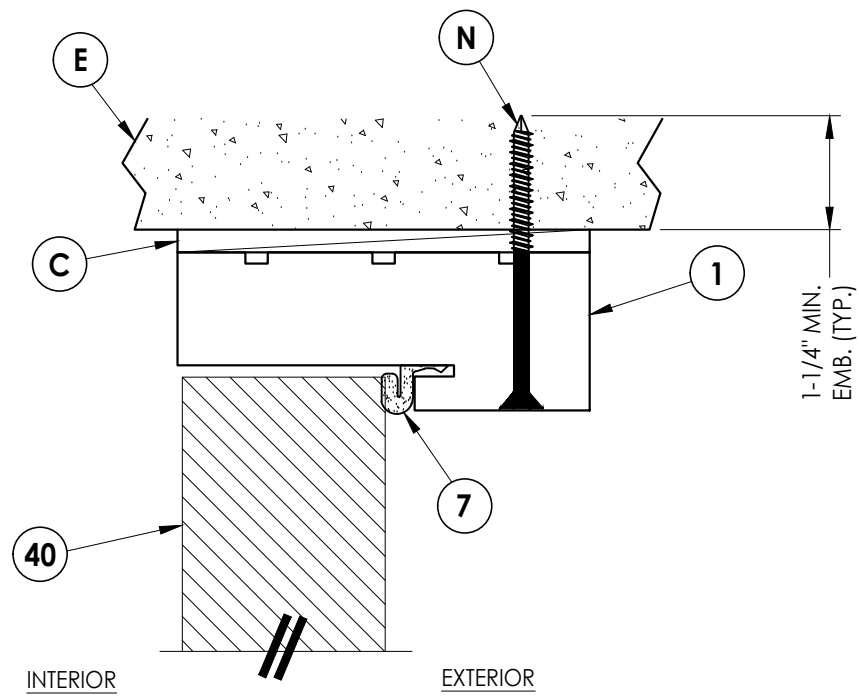
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

© 2024 R.W. BUILDING CONSULTANTS INC.

Technical drawing of a cross-section of a wall assembly. The drawing shows a vertical wall section with various layers and components. Callouts include:

- 1**: Points to the top horizontal layer.
- C**: Points to the vertical layer above the main wall section.
- 7**: Points to a small component on the left side of the wall.
- 40**: Points to the main vertical wall section.
- 36**: Points to a horizontal layer at the bottom of the wall.
- 23**: Points to a horizontal layer below the main wall section.
- E**: Points to the bottom horizontal layer.
- N**: Points to a vertical layer on the right side of the wall.
- 1-1/4" MIN. EMB. (TYP.)**: Dimension line indicating the minimum thickness of the vertical layer N.

2 **HORIZONTAL CROSS SECTION**
6 Shown Direct to Masonry

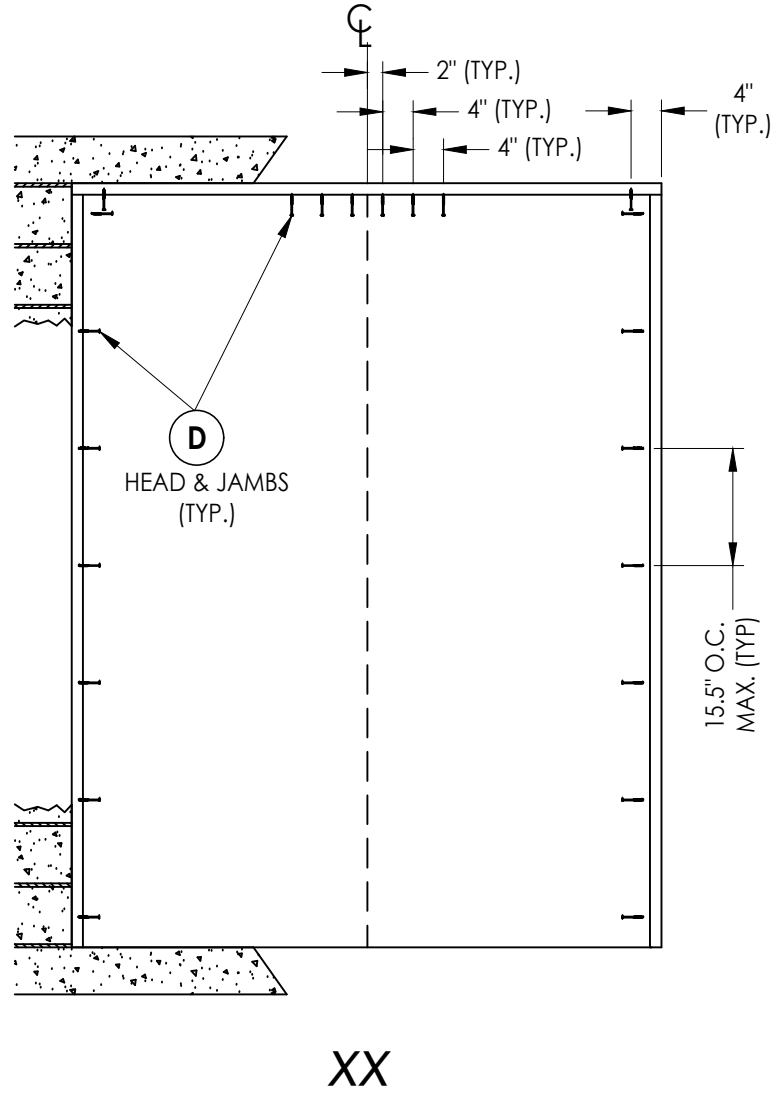
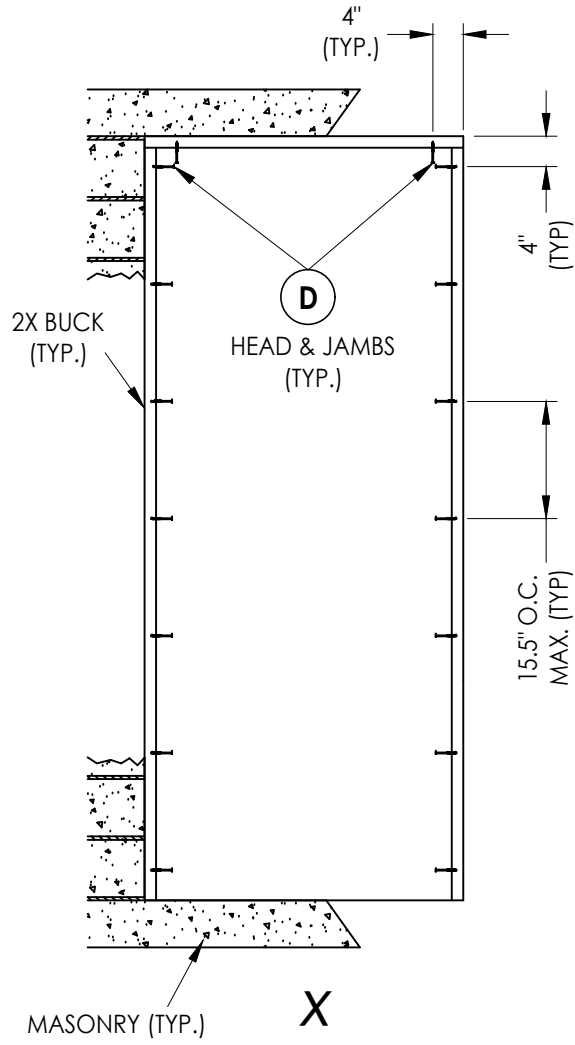


3 6 VERTICAL CROSS SECTION Shown Direct to Masonry

[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



2X BUCK ANCHORING

[illegible]

DATE: 3/05/24

SCALE: N.T.S.

DWG. BY: *LFS*

CHK. BY: *RW*

DRAWING NO.:

FL-46620.4

SHEET 7 OF 9

[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

© 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 CONFORMING TO ASTM C90	CONCRETE
H	#12 X 3" PFH WOOD SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 X 3-1/2" STAR FH DECK SCREW	STEEL
N	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
P	#10 X 2-1/2" PFH SMS	STEEL
Q	3/16" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
R	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
1	DOOR JAMB	WOOD
2	DOOR SILL	WOOD
3	ASTRAGAL	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
23	#8 X 1" PFH WOOD SCREW	STEEL
24	#12 X 1-1/2" PFH WOOD SCREW	STEEL
25	#12 X 1-1/4" PFH WOOD SCREW	STEEL
29	4.5" X 4.5" HINGE	BRASS
31	SHOOTBOLT STRIKE PLATE (1" X 4" X 0.075")	STEEL
36	MULTIPOINT LATCH & DEADBOLT STRIKE PLATE	STEEL
37	MULTIPOINT TONGUE STRIKE PLATE	STEEL
40	DOOR PANEL	WOOD
41	DOOR DRIP CAP w/ SWEEP	WOOD/VINYL

WOOD DOOR FRAME COMPONENTS:
AFRICAN MAHOGANY: (G = 0.50)

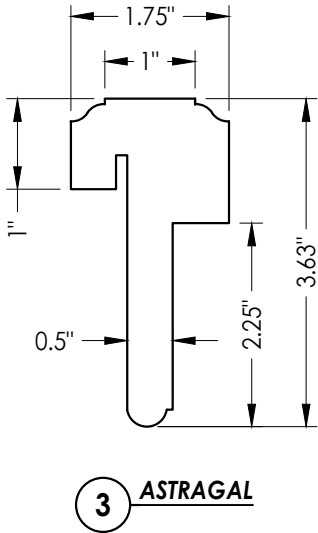
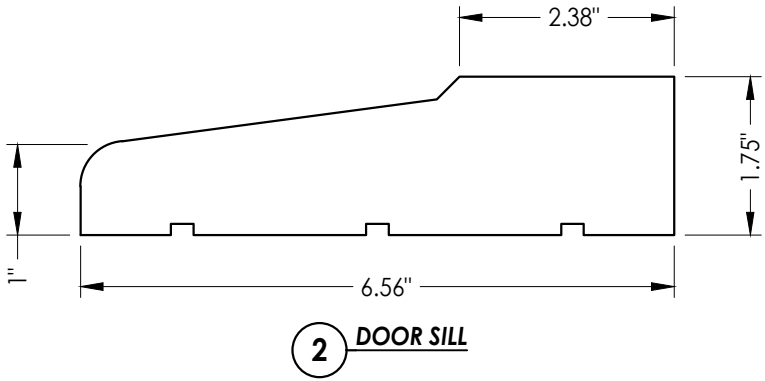
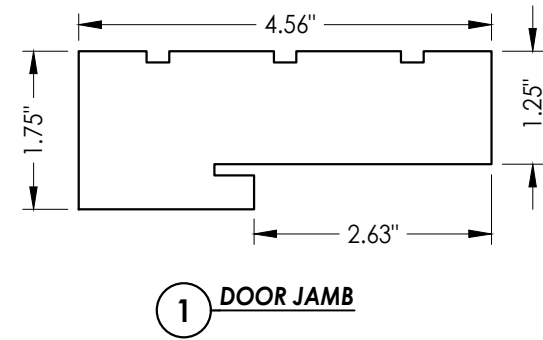
CONCRETE ANCHOR NOTES:

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 BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRA CON®	1/4"	1-1/4"	1"	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]