

Z:\2023 FBC Drawings\Millwork 360\FL-29241 R4\FL-29241.5.dwg



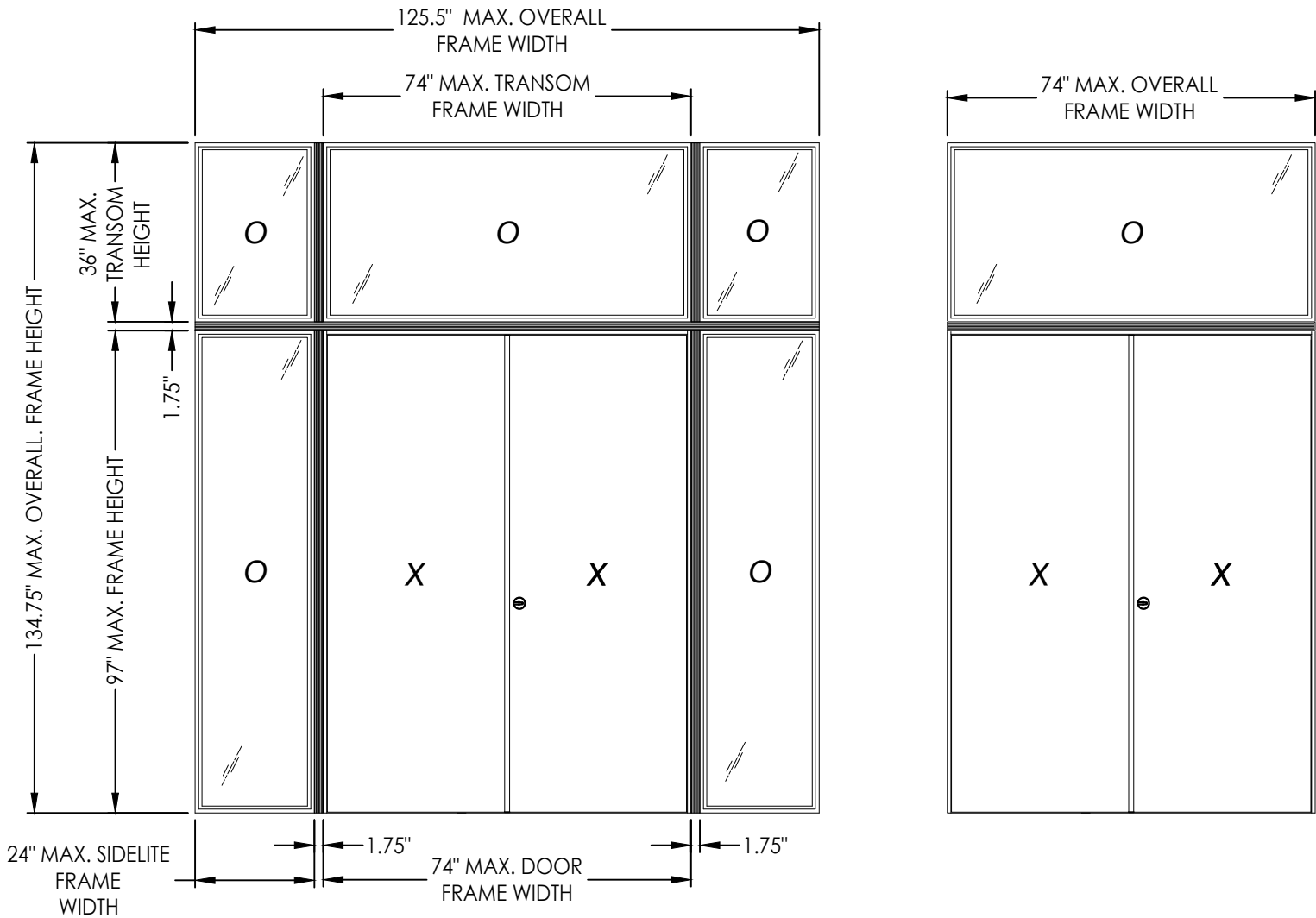
FIBERGLASS OPAQUE
DOUBLE DOOR w/ TRANSOM
w/ or w/out SIDELITES

OUTSWING
"IMPACT"

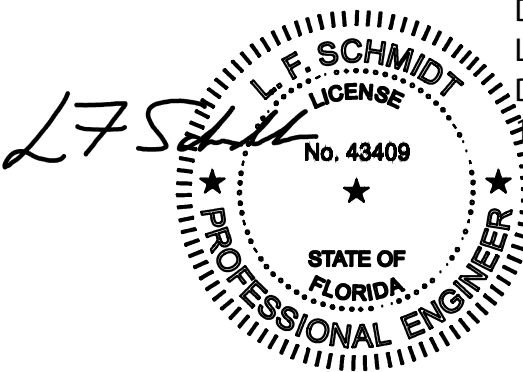
GENERAL NOTES

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 and 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	Sidelite & Transom Panel Details
4	Elevations
5	Vertical Cross Sections
6	Vertical Cross Sections
7	Horizontal Cross Sections
8	Buck Anchoring
9	Frame Anchoring
10	Hardware & Mullion Connection Details
11	Bill of Materials & Components



CONFIGURATION	DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE
OOO/OXXO	+50.0	-50.0
OO/XX	+50.0	-50.0



Digitally signed by
Lyndon F Schmidt
Date: 2025.06.19
13:37:13 -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:

MILLWORK 360
FIBERGLASS DOOR

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.

DATE

BY

REVISIONS

DATE: 5/22/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-29241.5
SHEET 1 OF 11

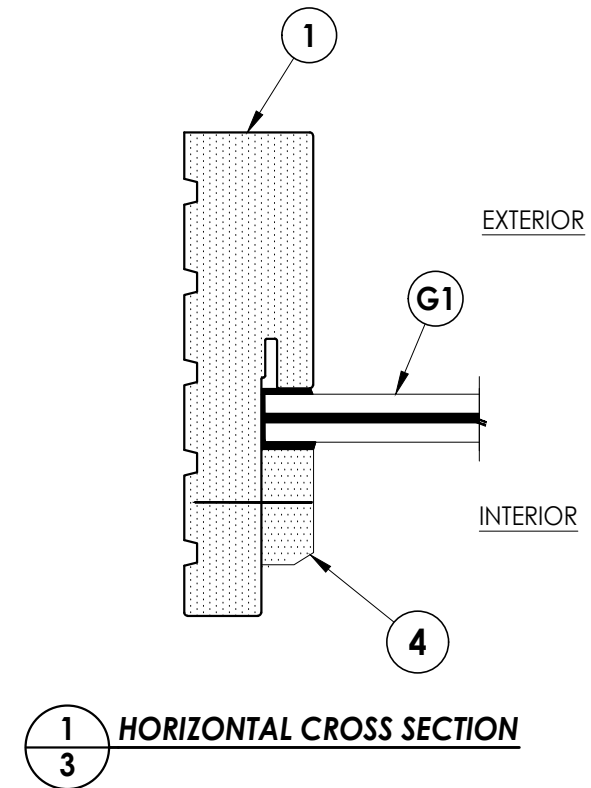
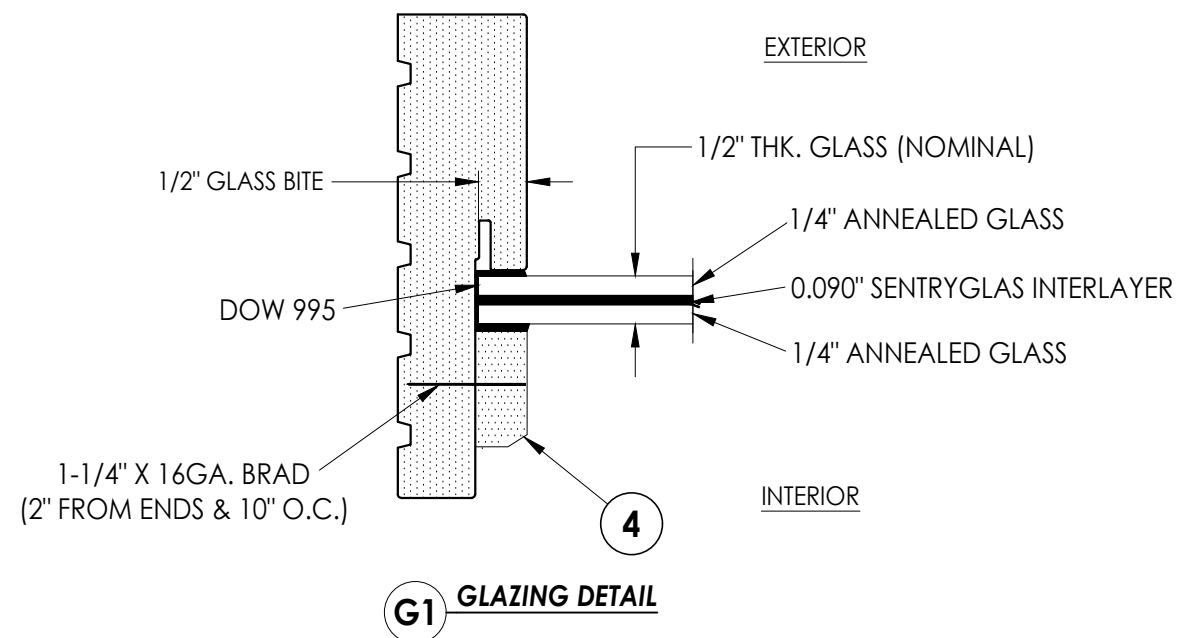
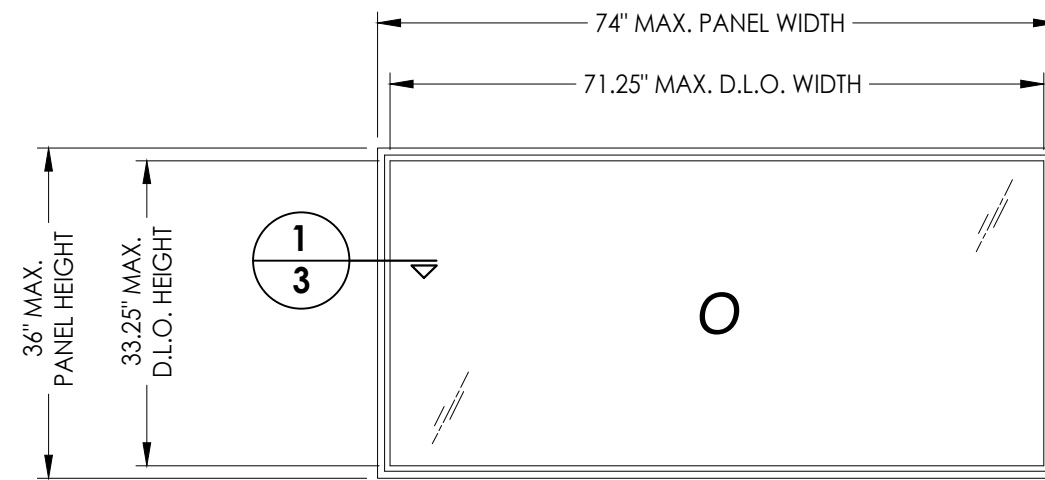
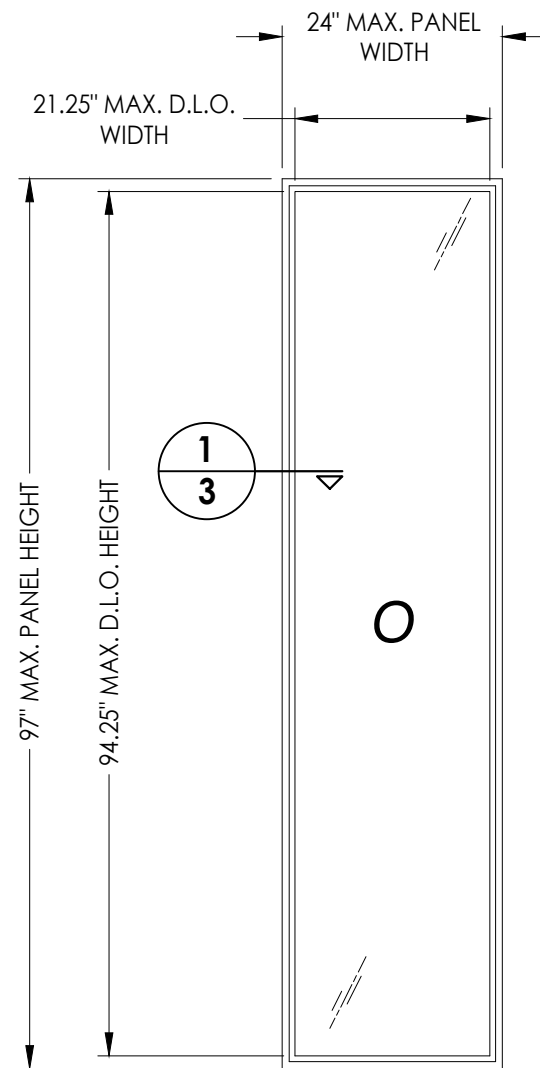
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



Hardware Table	
Manufacturer	Model
Kwikset	Deadbolt: Signature Series (980)
Deltana	Roller Catch: RCA430



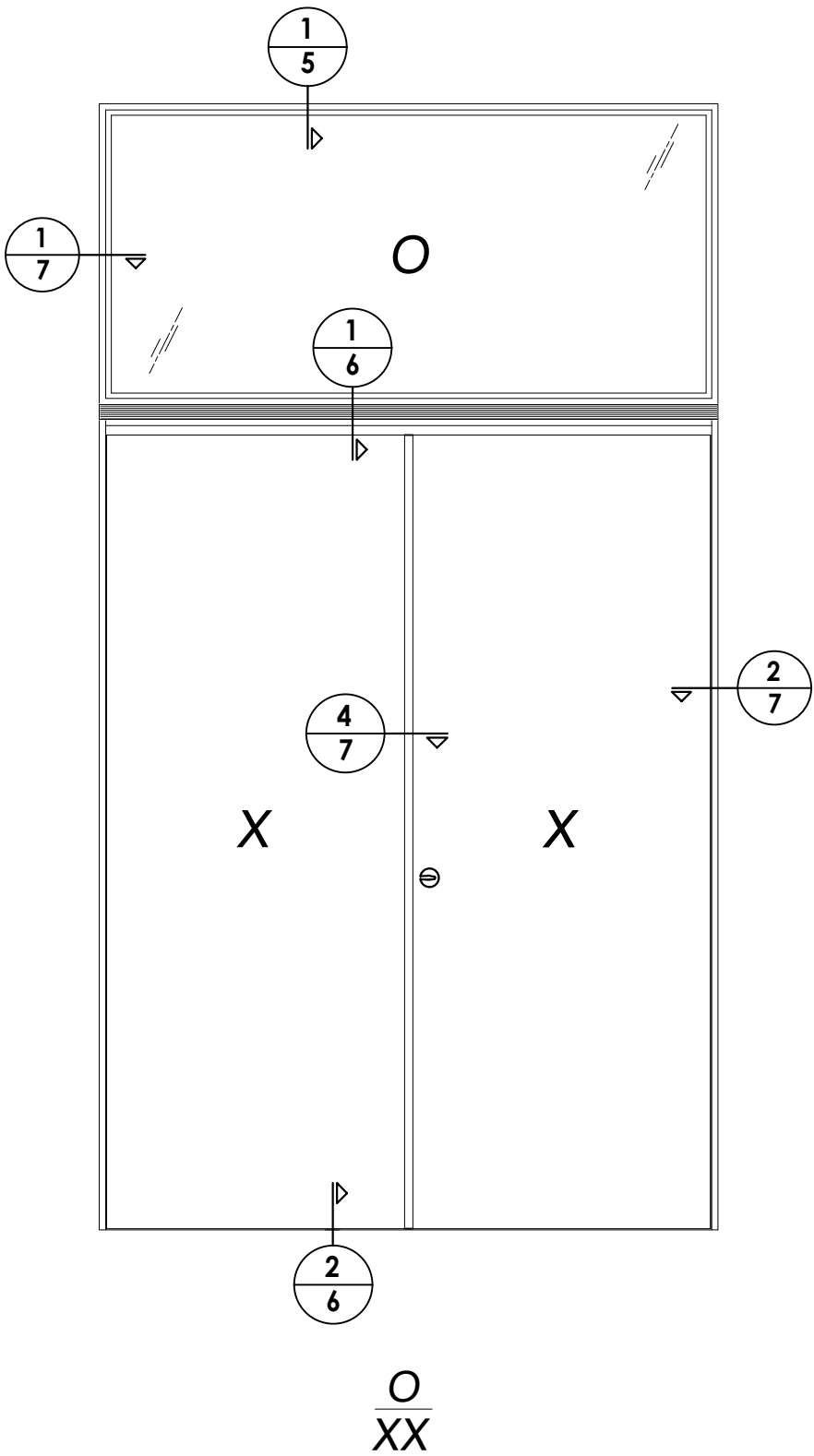
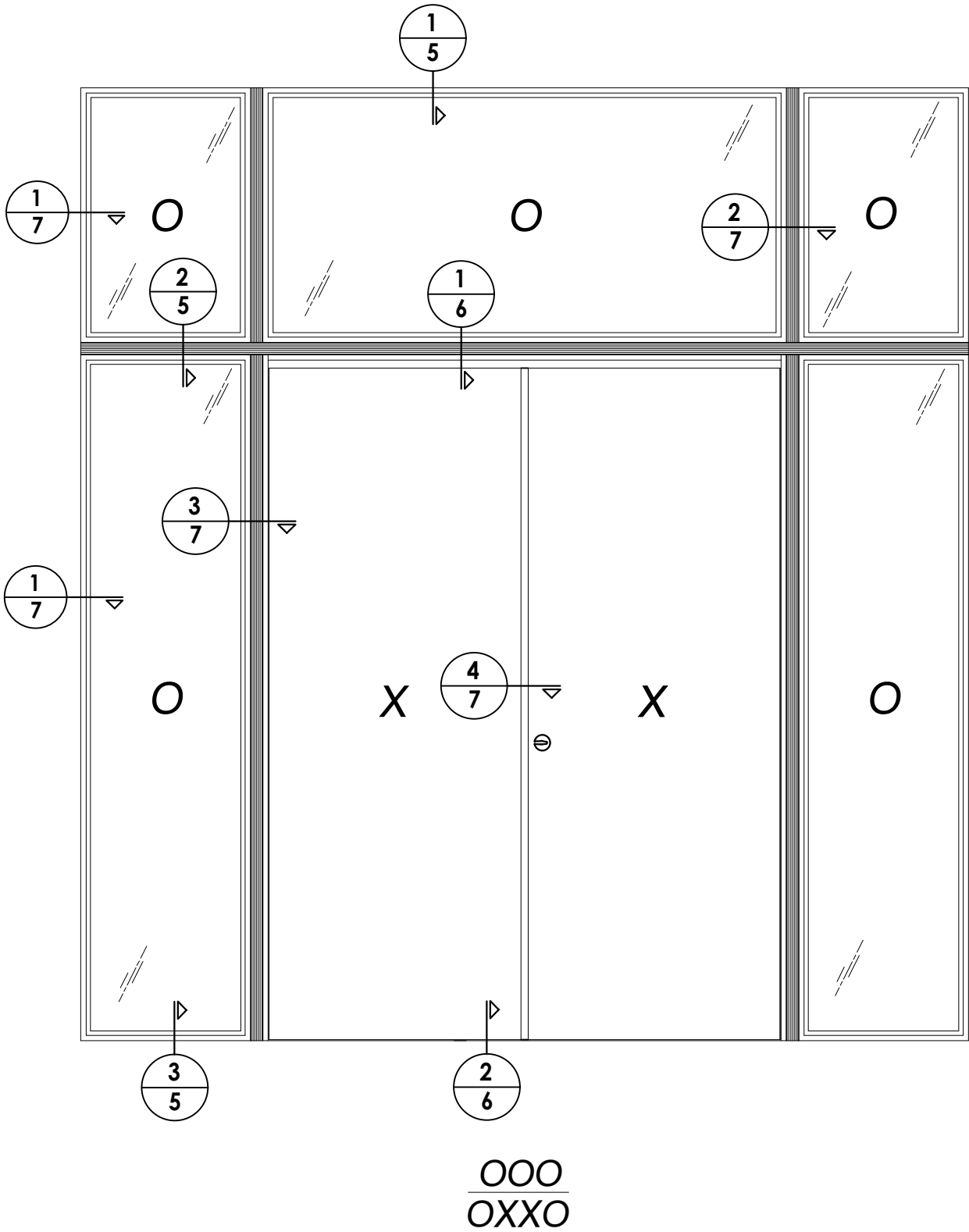
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SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-29241.5							
SHEET 2 OF 11							
PRODUCT: MILLWORK 360 FIBERGLASS DOOR							
PART OR ASSEMBLY: DOOR PANEL DETAILS							
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409							
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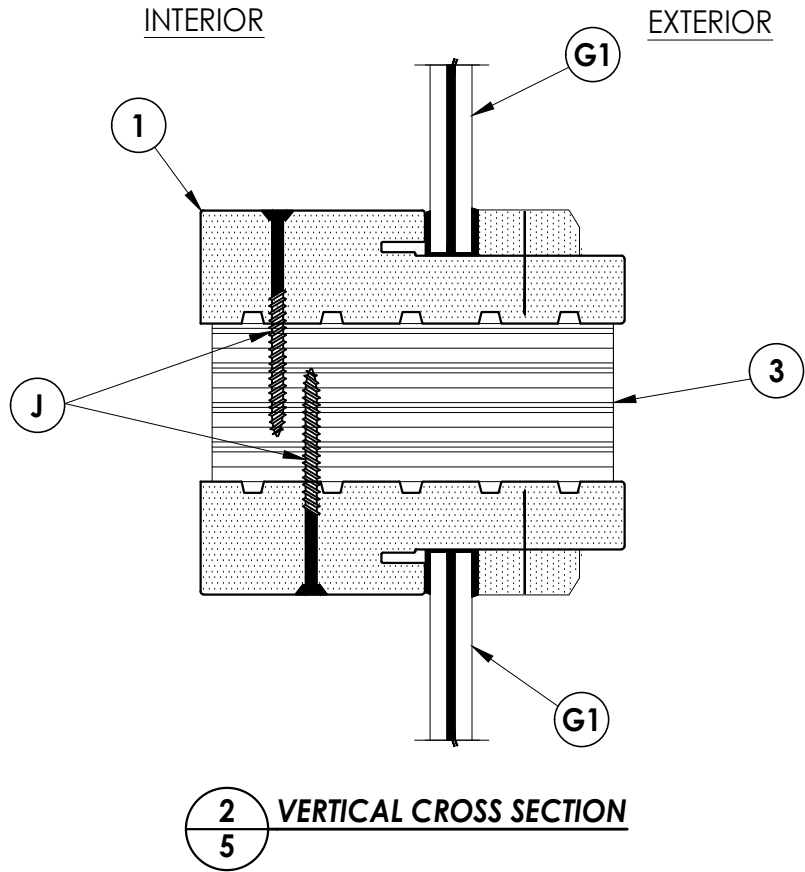
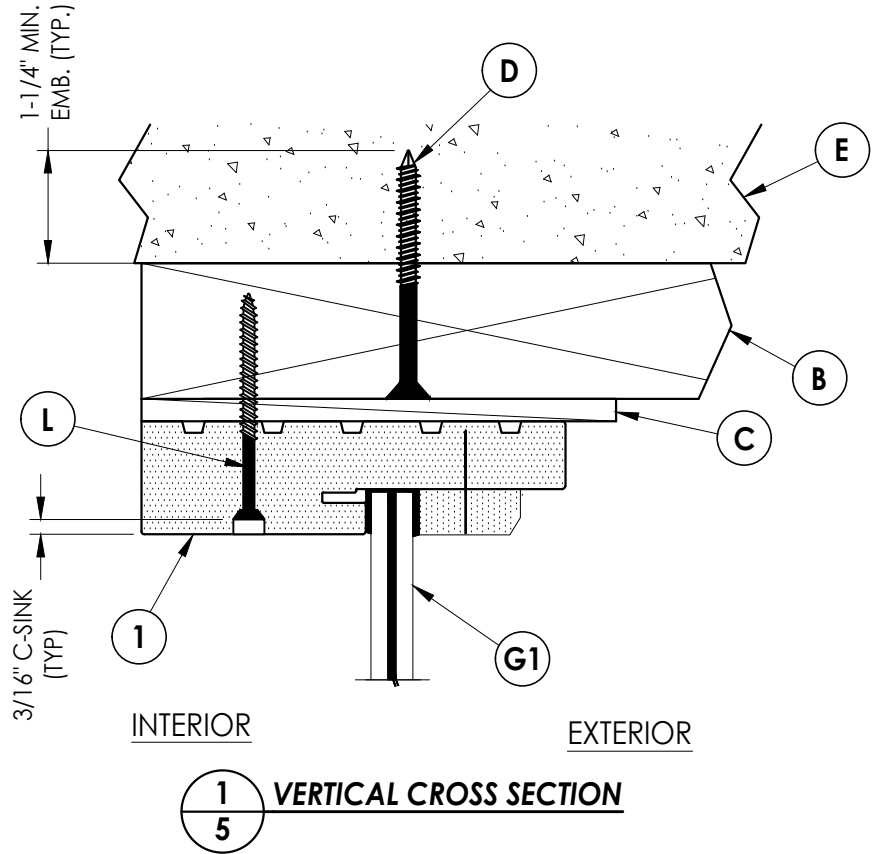
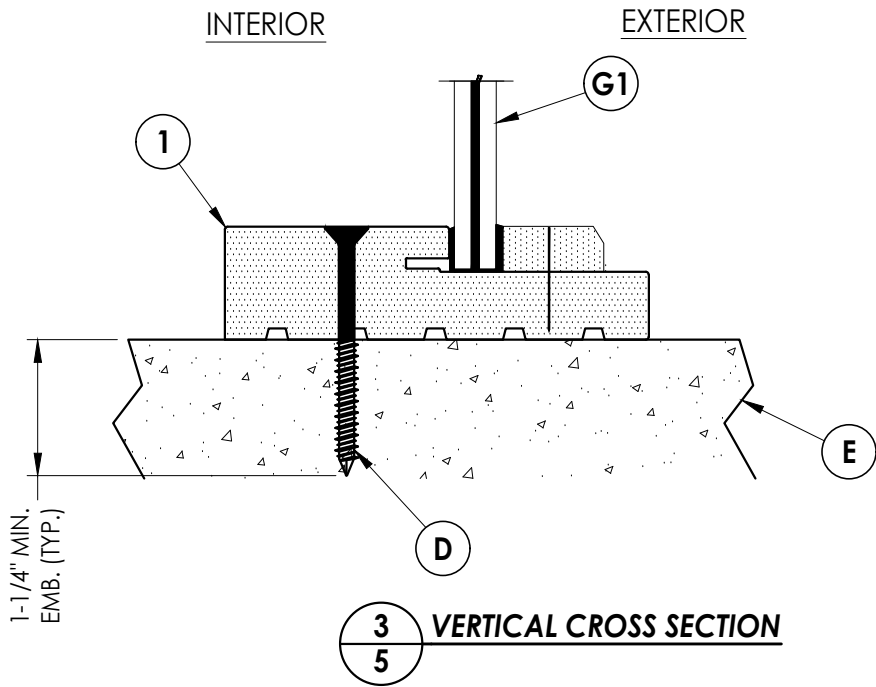
Documents Prepared By:
Lyndon F. Schmidt
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DATE: 5/22/25		DOCUMENTS PREPARED BY: Lyndon F. Schmidt P.E. No. 43409		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
SCALE: N.T.S.		PRODUCT: MILLWORK 360 FIBERGLASS DOOR		
DWG. BY: LFS		PART OR ASSEMBLY: ELEVATIONS		
CHK. BY: RW				
DRAWING NO.: FL-29241.5				
SHEET 4 OF 11				



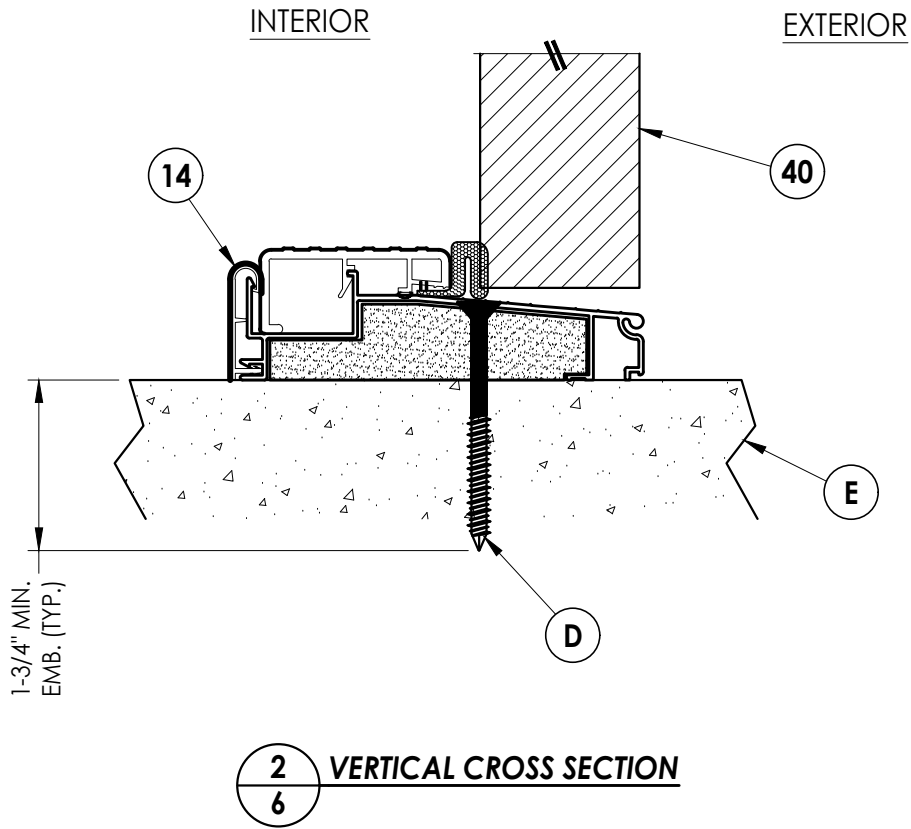
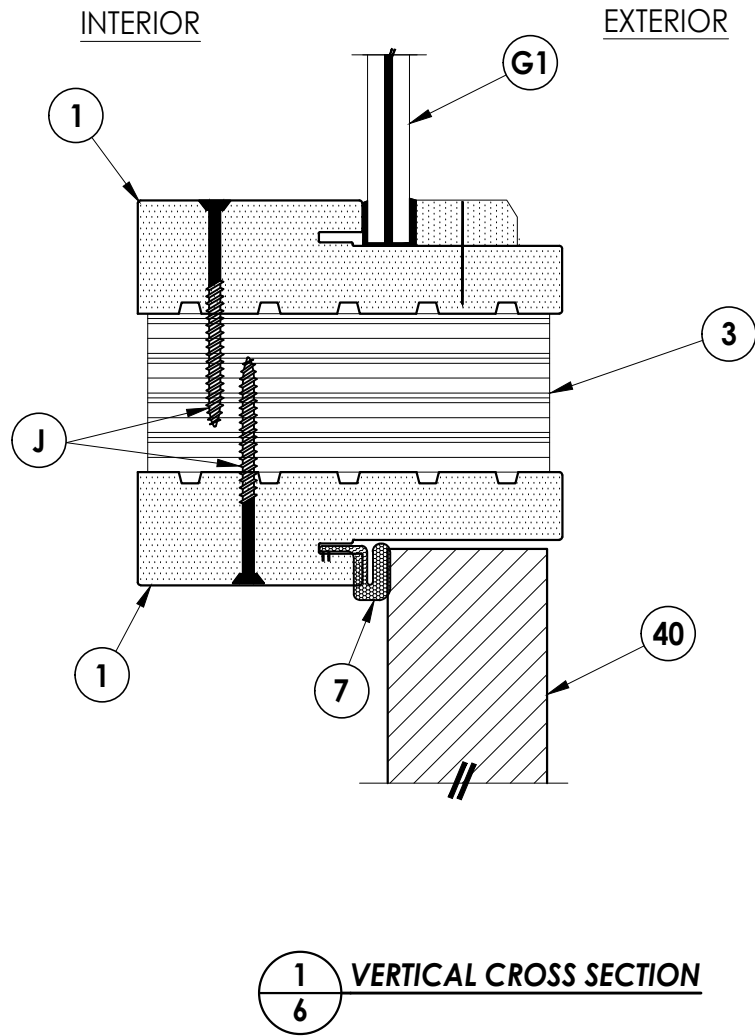
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SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-29241.5
SHEET 5 OF 11

PRODUCT:		PART OR ASSEMBLY:	
MILLWORK 360 FIBERGLASS DOOR		VERTICAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS

Documents Prepared By:
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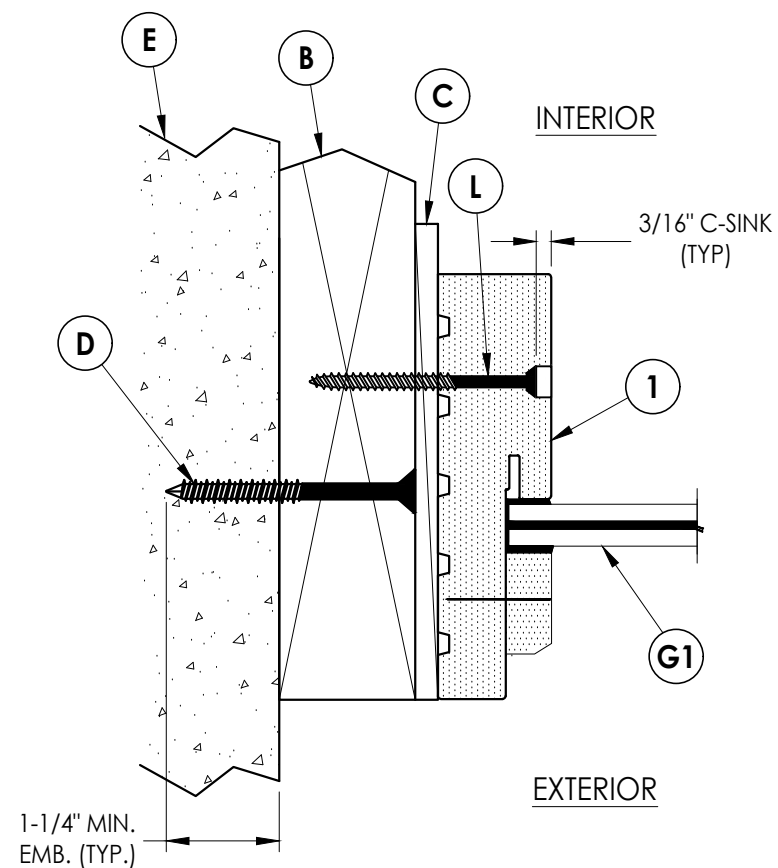
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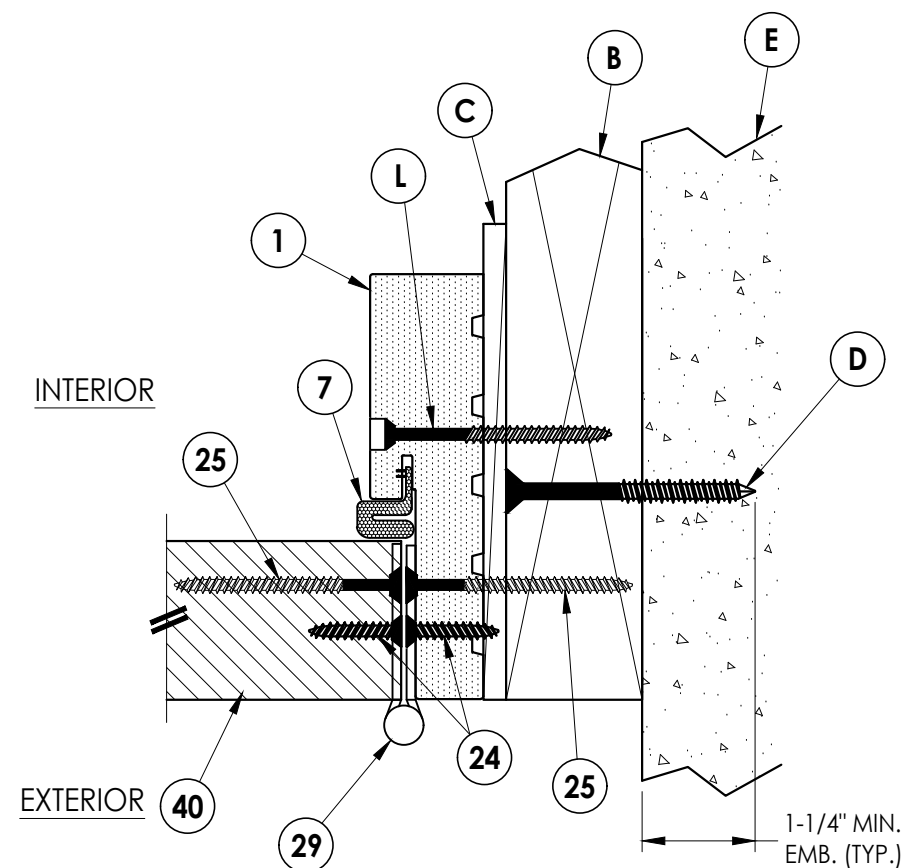
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DATE:		5/22/25		NO.		DATE	
SCALE:		N.T.S.		BY		BY	
DWG. BY:		LFS		REVISIONS		REVISIONS	
CHK. BY:		RW		NO.		DATE	
DRAWING NO.:		FL-29241.5		BY		BY	
SHEET		6		OF		11	

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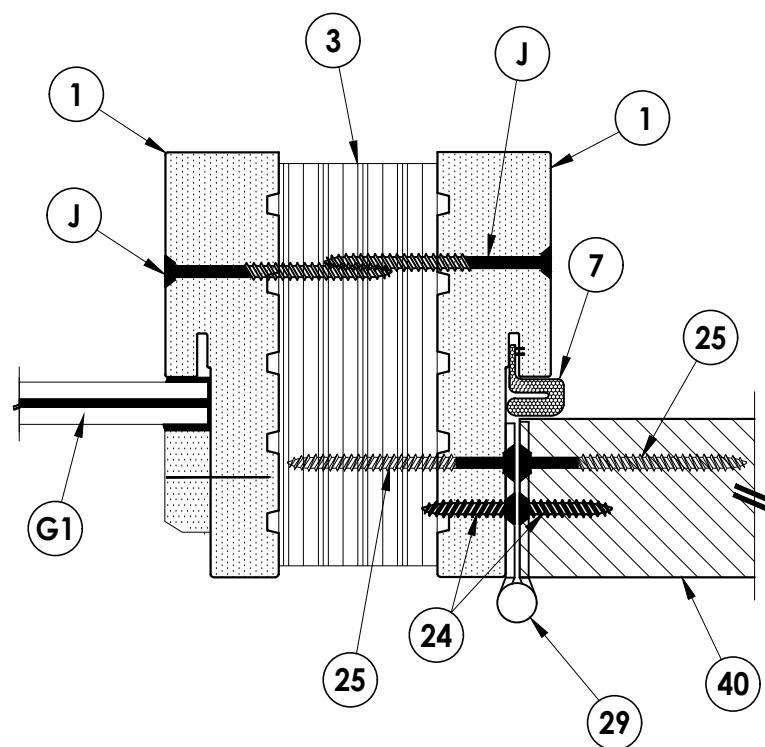
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Phone No.: 813.659.9197
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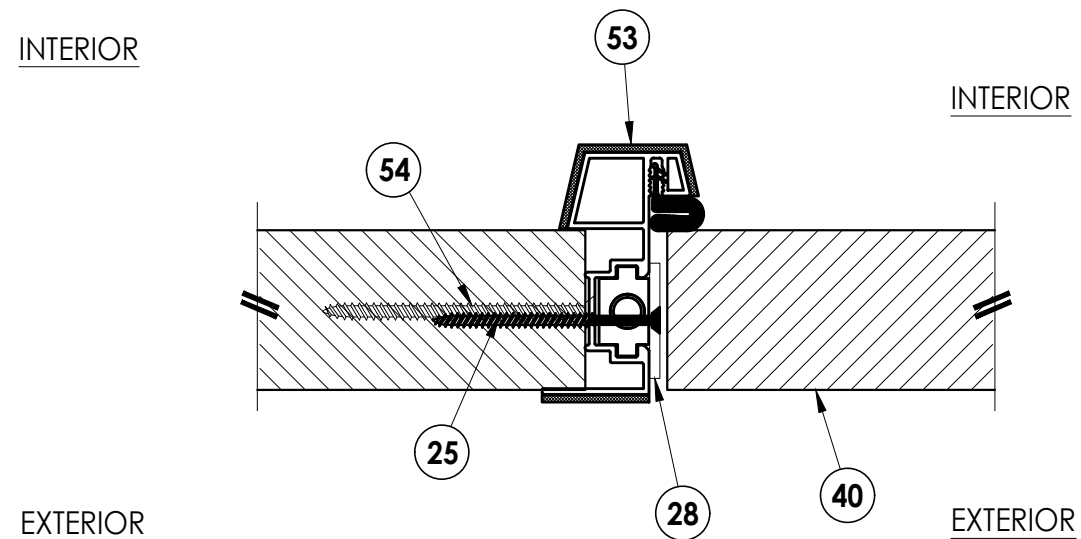
1 **HORIZONTAL CROSS SECTION**
7



2 7 HORIZONTAL CROSS SECTION



3 7 HORIZONTAL CROSS SECTION

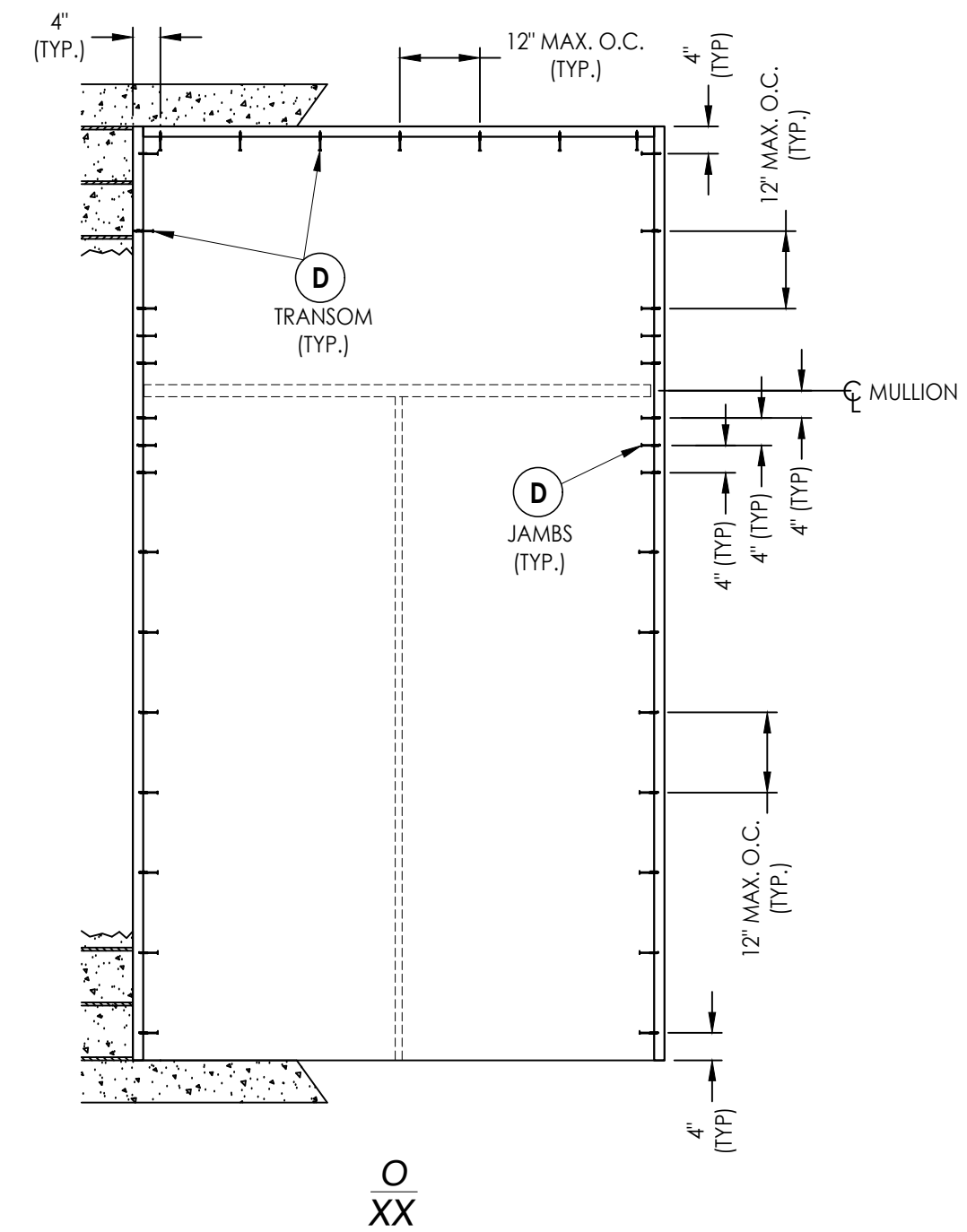
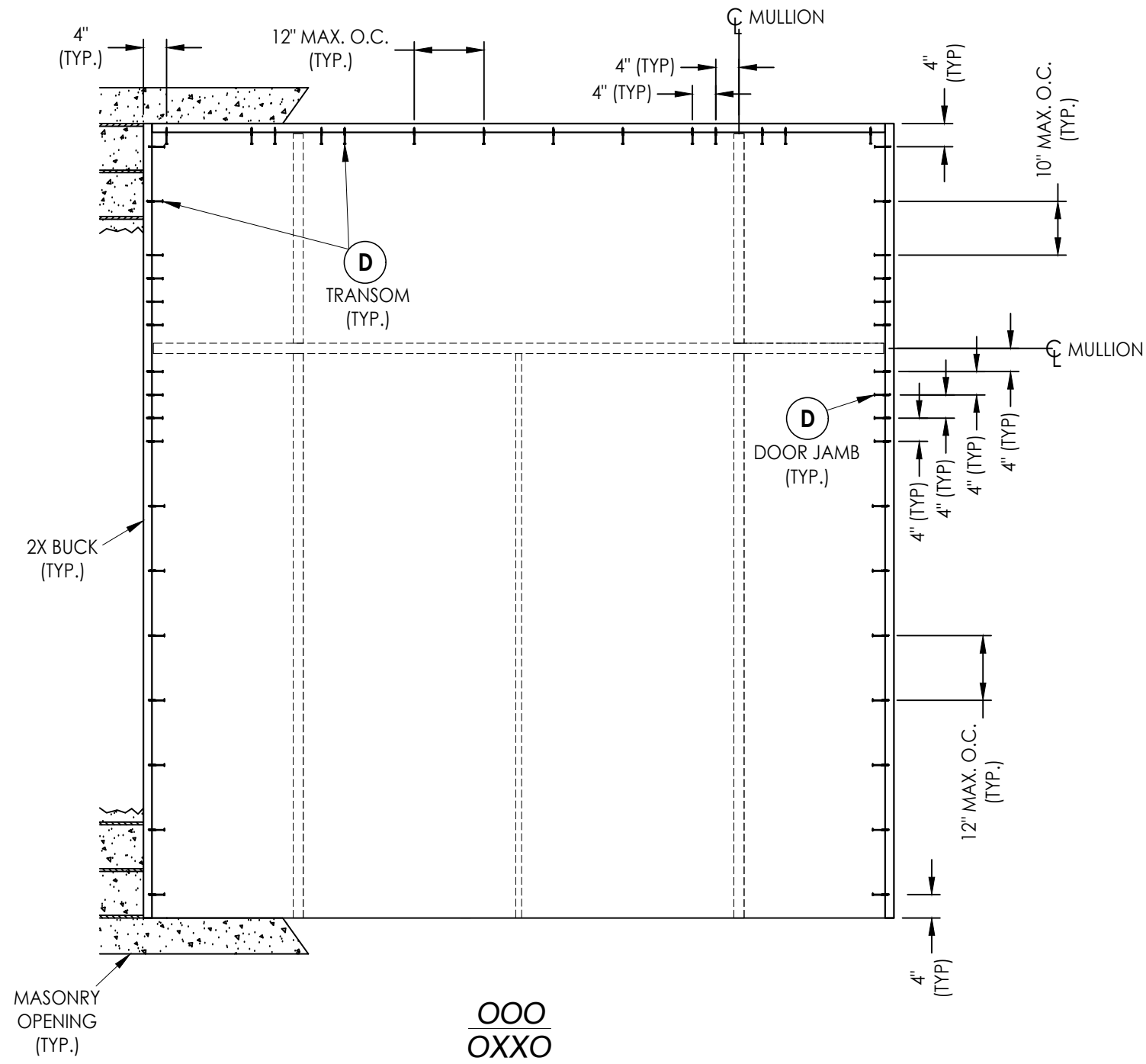


4 7 HORIZONTAL CROSS SECTION

[illegible]

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2X BUCK ANCHORING

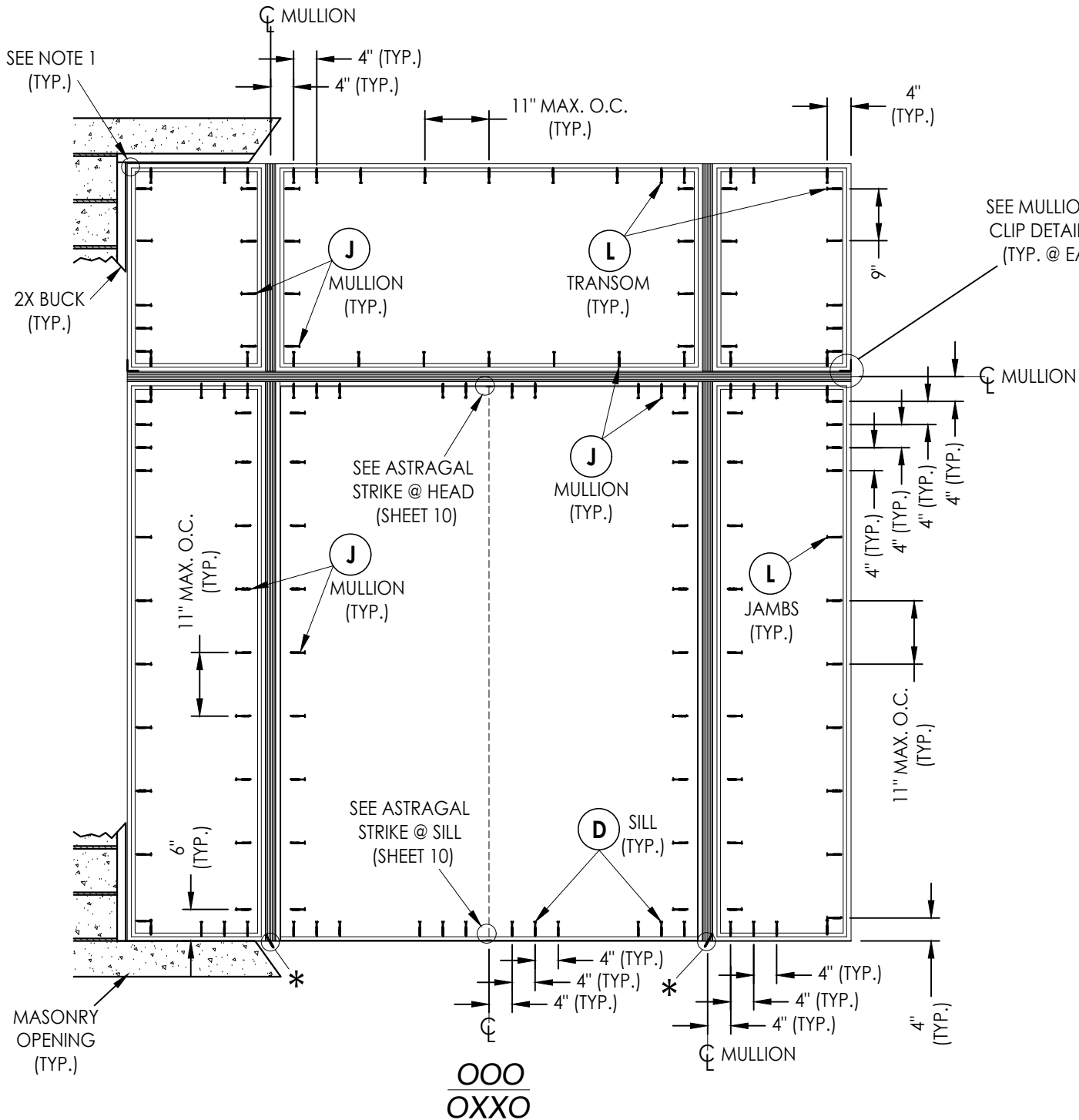
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Documents Prepared By:
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PRODUCT: MILLWORK 360
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

RW
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P.O. Box 230, Valrico, FL 33595
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* SEE MULLION-TO-SILL CONNECTION DETAIL (SHEET 10)

FRAME ANCHORING

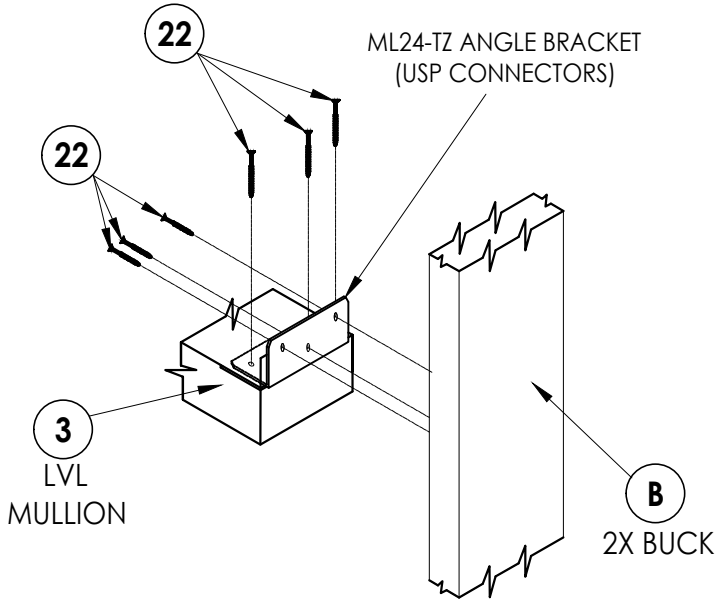
NOTE:

1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS @ HEAD & SILL.

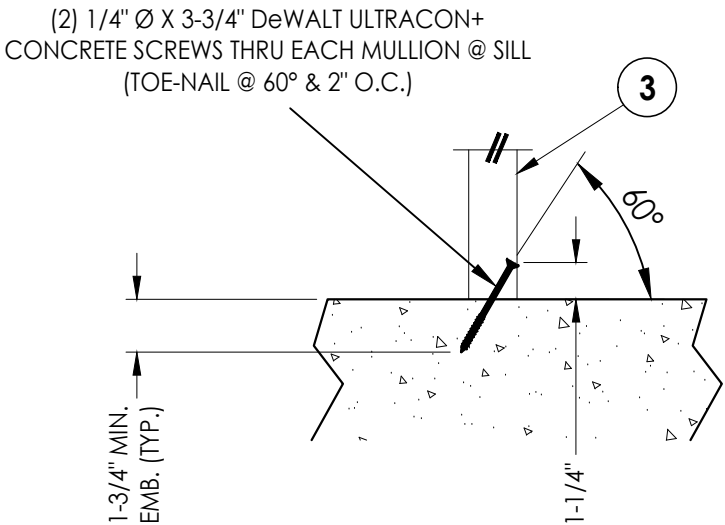
DATE: 5/22/25		REVISIONS	
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-29241.5			
SHEET 9 OF 11			

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P.E. No. 43409

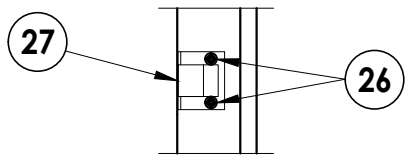
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813



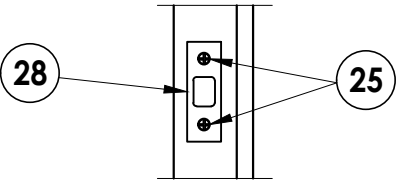
MULLION ANCHOR CLIP DETAIL



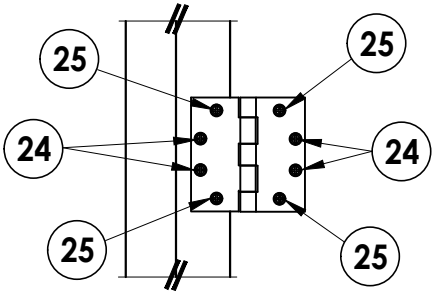
MULLION-TO-SILL CONNECTION DETAIL



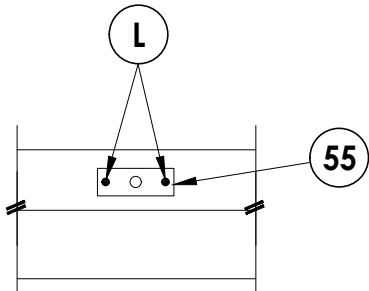
ROLLER LATCH STRIKE PLATE DETAIL



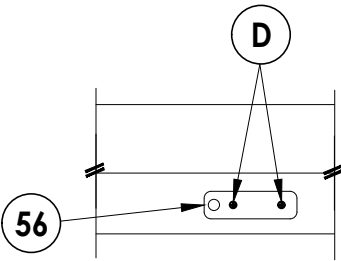
DEADBOLT STRIKE PLATE DETAIL



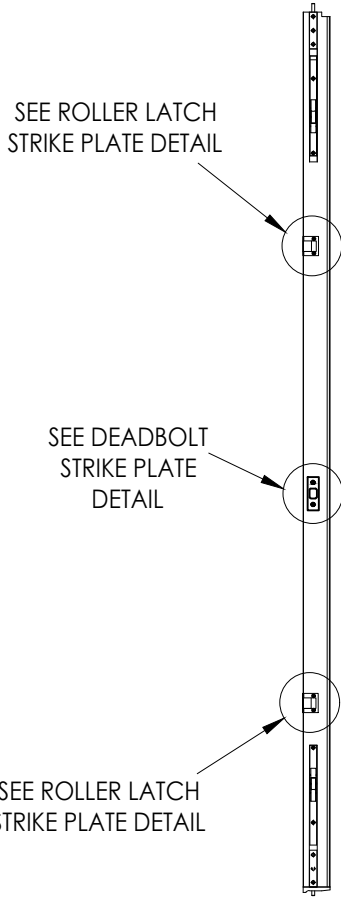
HINGE DETAIL



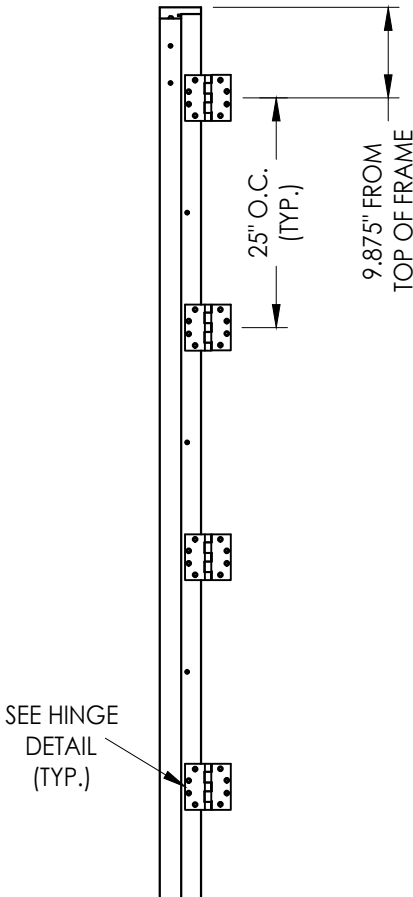
ASTRAGAL STRIKE
@ HEAD



ASTRAGAL STRIKE
@ SILL



ASTRAGAL



HINGE JAMB

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

PRODUCT: MILLWORK 360
FIBERGLASS DOOR

PART OR ASSEMBLY:
HARDWARE & MULLION
CONNECTION DETAILS

NO.	DATE	BY	REVISIONS

DATE: 5/22/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-29241.5

SHEET 10 OF 11

Z:\2023 FBC Drawings\Millwork 360\FL-29241 R4\FL-29241.5.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
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
J	#10 X 2-1/2" FH DEEP THREAD WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1-3/16" MIN. EMBEDMENT)	STEEL
1	COMPOSITE JAMB	COMP
3	LVL MULLION	LVL
4	GLAZING BEAD	WOOD
7	WEATHERSTRIP	FOAM
14	OUTSWING BUMP THRESHOLD	ALUM/WOOD
22	#10 X 1-1/2" PFH WOOD SCREW	STEEL
24	#12 X 1-1/4" PFH SMS	STEEL
25	#12 X 2-1/2" PFH WOOD SCREW	STEEL
26	#8 X 1-3/8" FH SMS	STEEL
27	ROLLER LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	5" X 5" HINGE	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL (DIRECT SET)	-
53	ASTRAGAL	ALUM
54	#8 X 3" PFH SMS	STEEL
55	ASTRAGAL STRIKE @ HEAD	STEEL
56	ASTRAGAL STRIKE @ SILL	STEEL
60	TRANSOM PANEL (DIRECT SET)	-

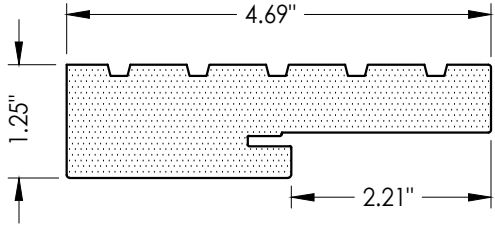
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- Concrete anchor table:

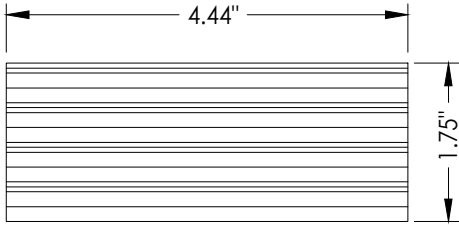
ANCHOR TYPE	LOCATION	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	HEAD, JAMBS & SILL	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®		1/4"	1-1/4"	1"	4"
DeWALT ULTRACON+®	MULLION TO SILL	1/4"	1-3/4"	2-1/2"	1-3/4"

WOOD SCREW INSTALLATION NOTES:

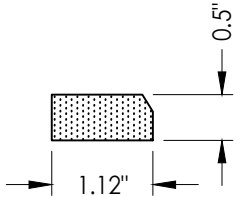
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



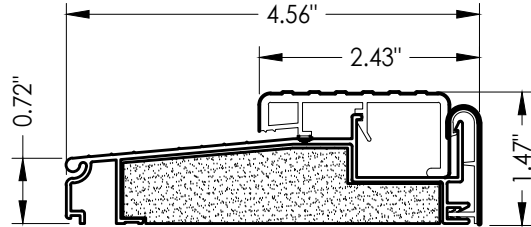
1 COMPOSITE JAMB
Worldwide 4Ever Frame



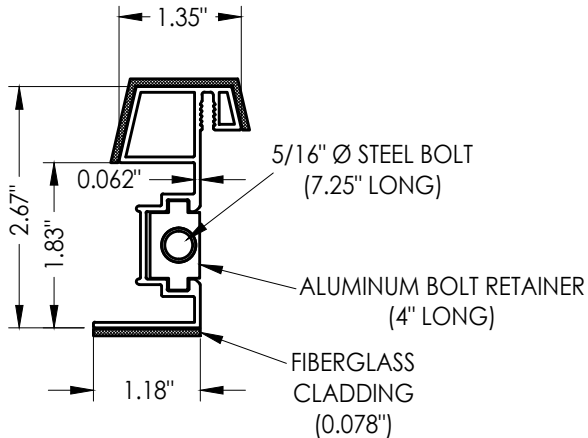
3 LVL MULLION
VERSA-LAM® 3100 Fb-2.1E



4 GLAZING BEAD



14 OUTSWING THRESHOLD
WORLDWIDE



53 ALUMINUM ASTRAGAL
WORLDWIDE

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

PRODUCT:
MILLWORK 360
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 5/22/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-29241.5

SHEET 11 OF 11