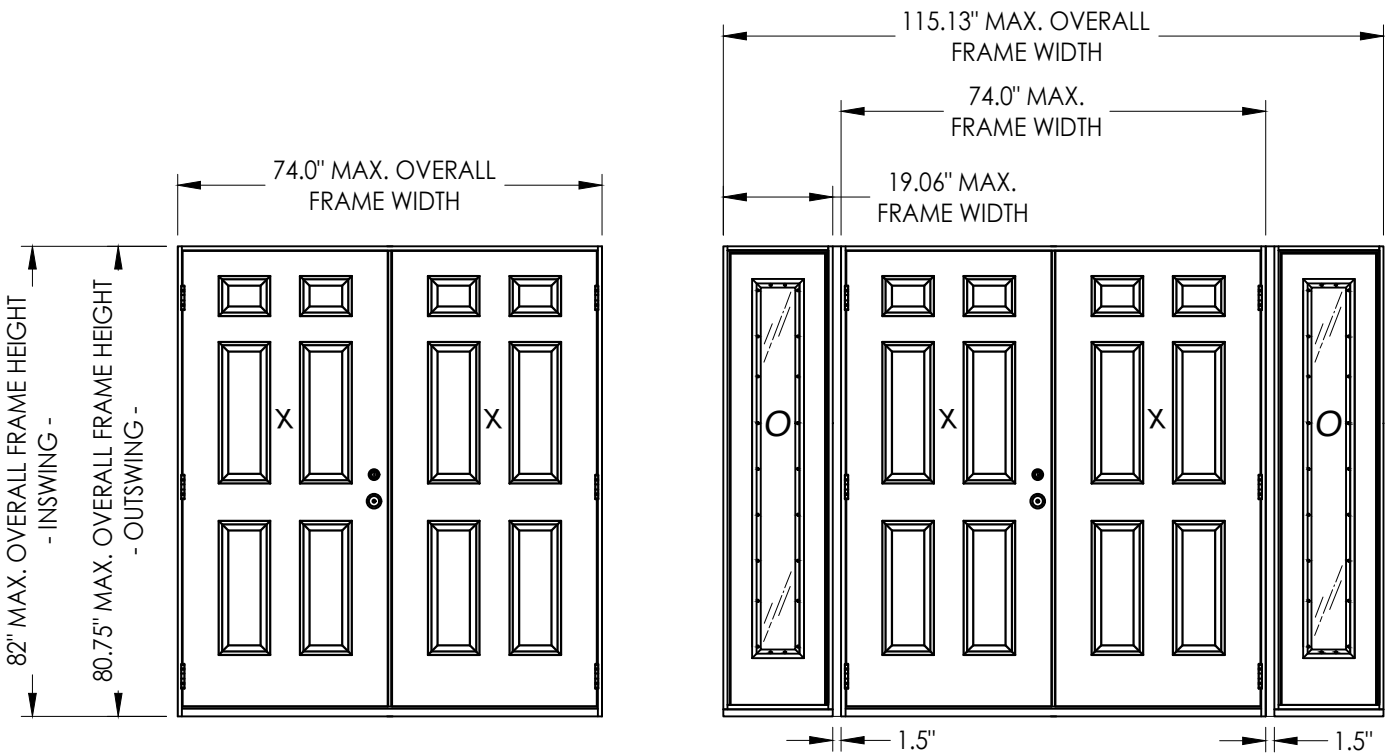


OPAQUE FIBERGLASS DOUBLE DOOR
w/ or w/o SIDELITES
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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 panel details and glazing detail
4	Elevations
5	Horizontal cross section
6	Vertical cross sections
7	Vertical cross sections
8	Buck and frame anchoring - (XX)
9	Buck and frame anchoring - (OXXO)
10	Bill of materials and components



CONFIGURATION	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 82.0"	N/A	+55.0	-60.0	+55.0	-55.0
OXXO	115.13" x 82.0"	7.0" x 63.13"	+55.0	-60.0	+55.0	-55.0

L F Schmidt

L. F. SCHMIDT
LICENSE
No. 43409
★ ★
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Digitally signed by
Lyndon F Schmidt
Date: 2026.07.01
5:25:22 -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

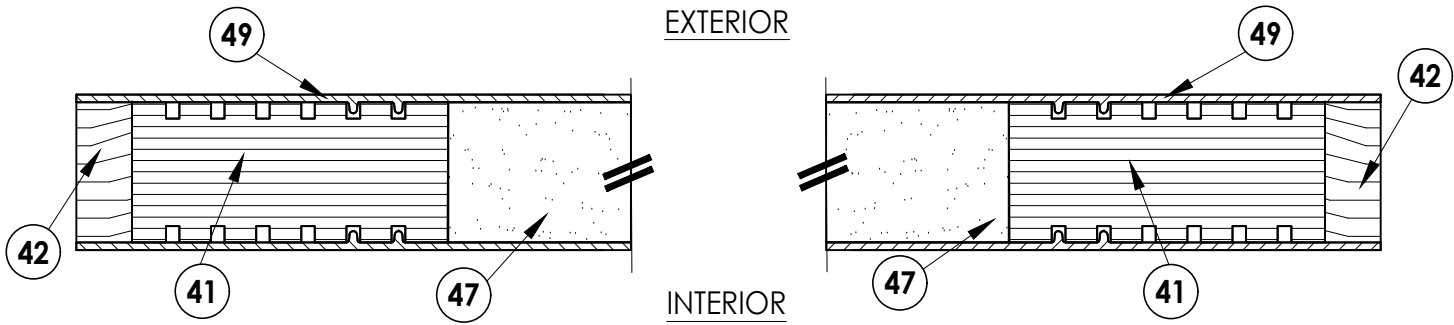
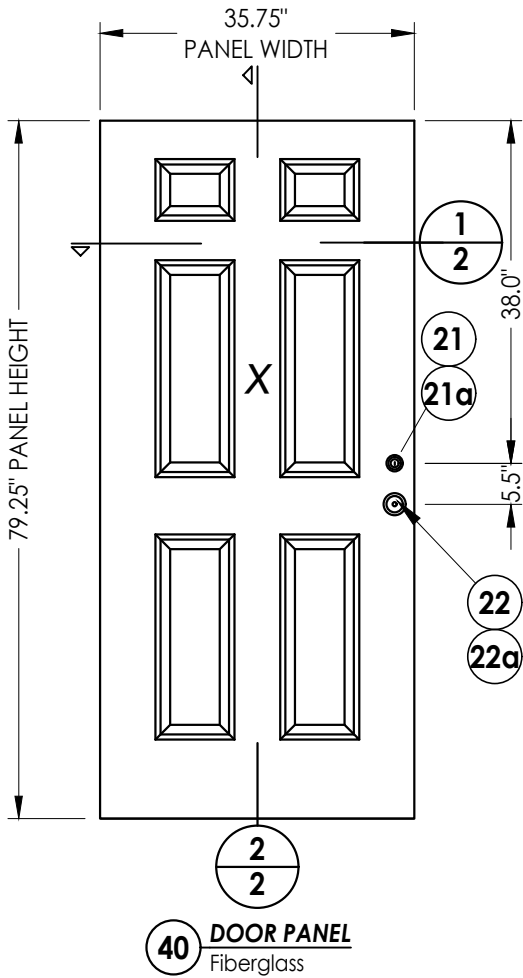
RW BUILDING CO.
P.O. Box 23
Phone No.:
FBPE Register

PRODUCT: MASTERGRAIN FIBERGLASS DOOR W/ SIDELITE	PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
---	--

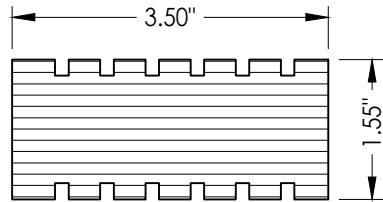
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DATE:	11/30/09
SCALE:	N.T.S.
DWG. BY:	AP
CHK. BY:	LFS
DRAWING NO.:	FL-13320.8
SHEET	<u>1</u> OF <u>10</u>

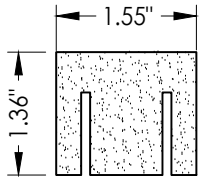
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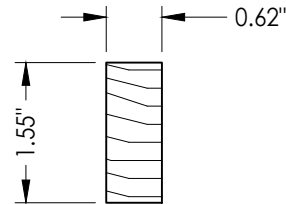
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2 **HORIZONTAL CROSS SECTION**



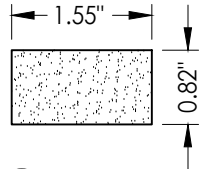
41 **HINGE AND LATCH STILE**
Reinforcement / LSL



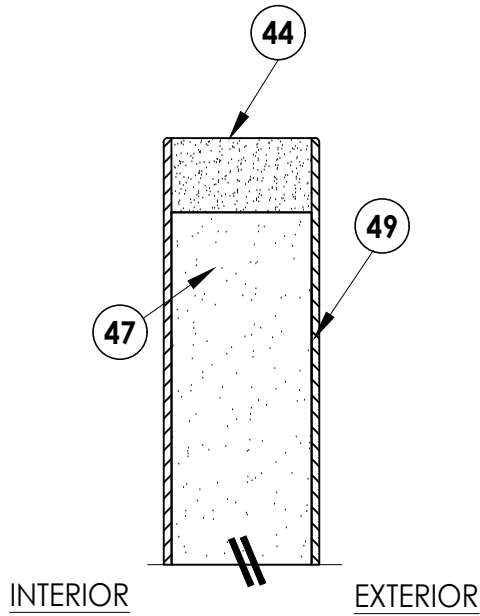
45 **BOTTOM RAIL**
Composite



42 **HINGE AND LATCH STILE**
Wood



44 **TOP RAIL**
Composite



2
2 **VERTICAL CROSS SECTION**

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:
MASTERGRAIN
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
6	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	7/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	7/08/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 11/30/09

SCALE: N.T.S.

DWG. BY: AP

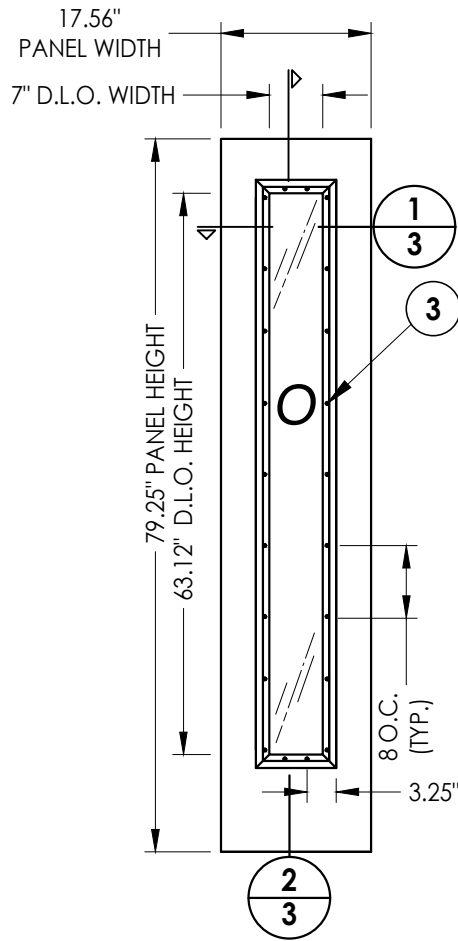
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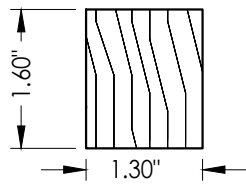
FL-13320.8

SHEET 2 OF 10

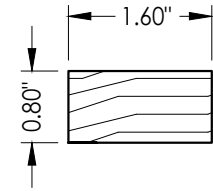
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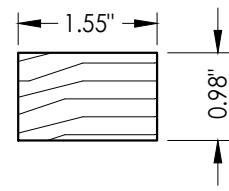
50 SIDELITE PANEL
Fiberglass



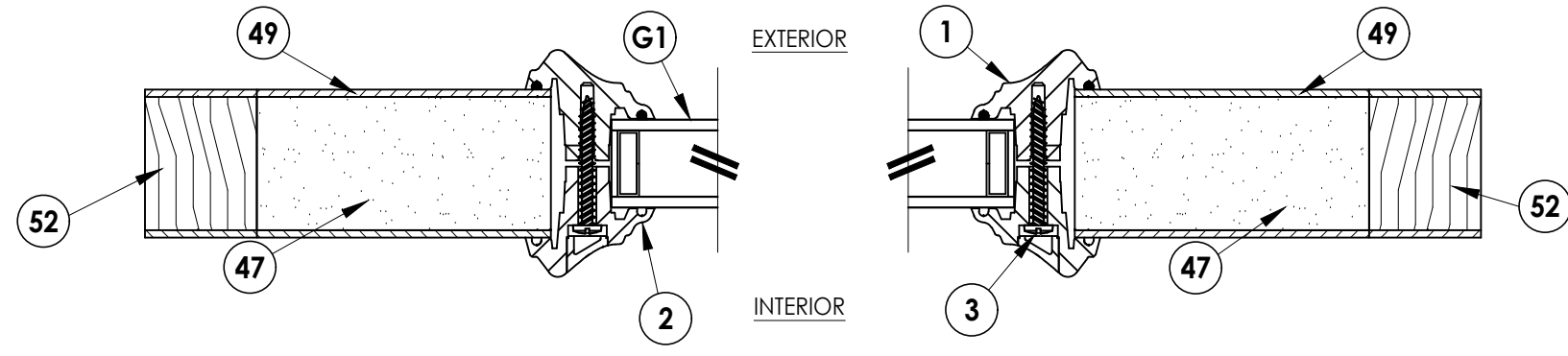
52 SIDELITE STILE
Wood



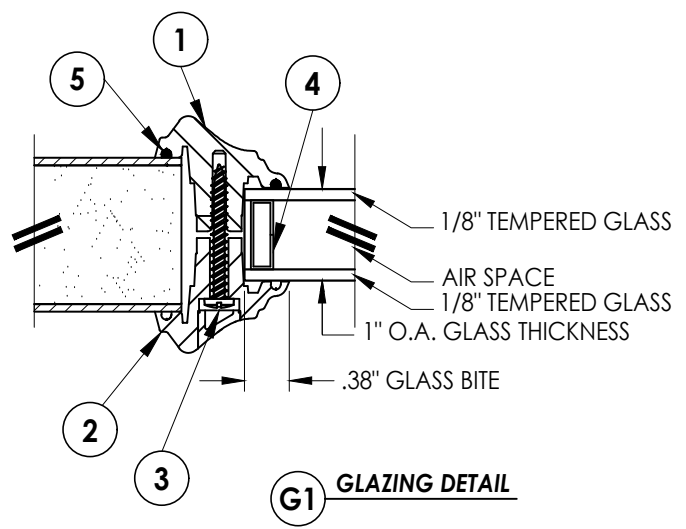
53 SIDELITE BOTTOM RAIL
Wood



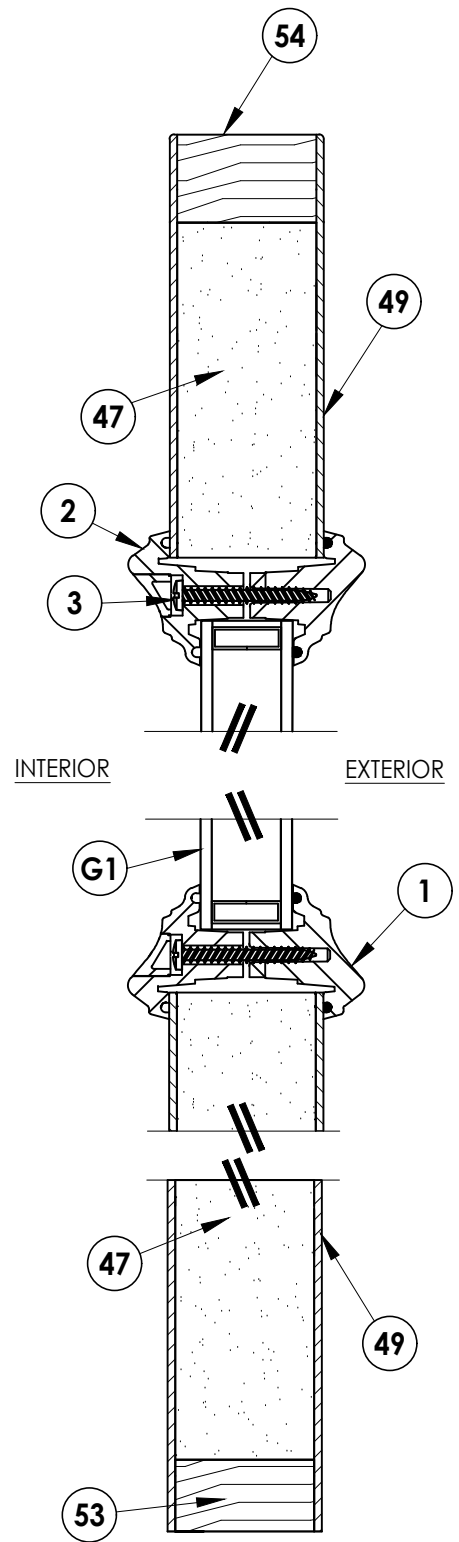
54 SIDELITE TOP RAIL
Wood



1/3 HORIZONTAL CROSS SECTION



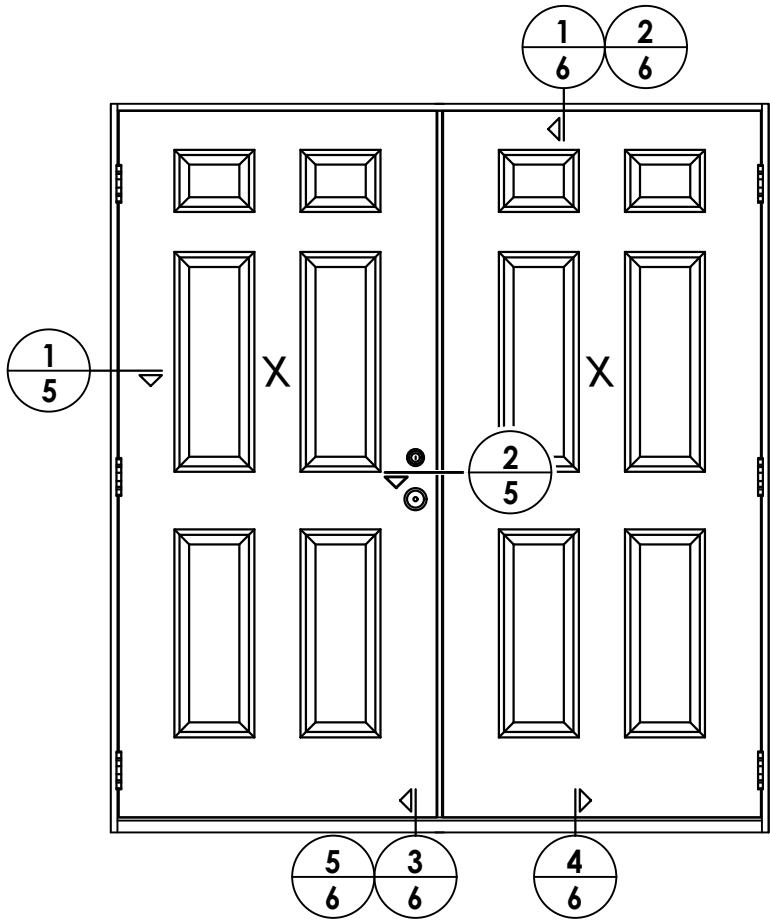
G1 GLAZING DETAIL



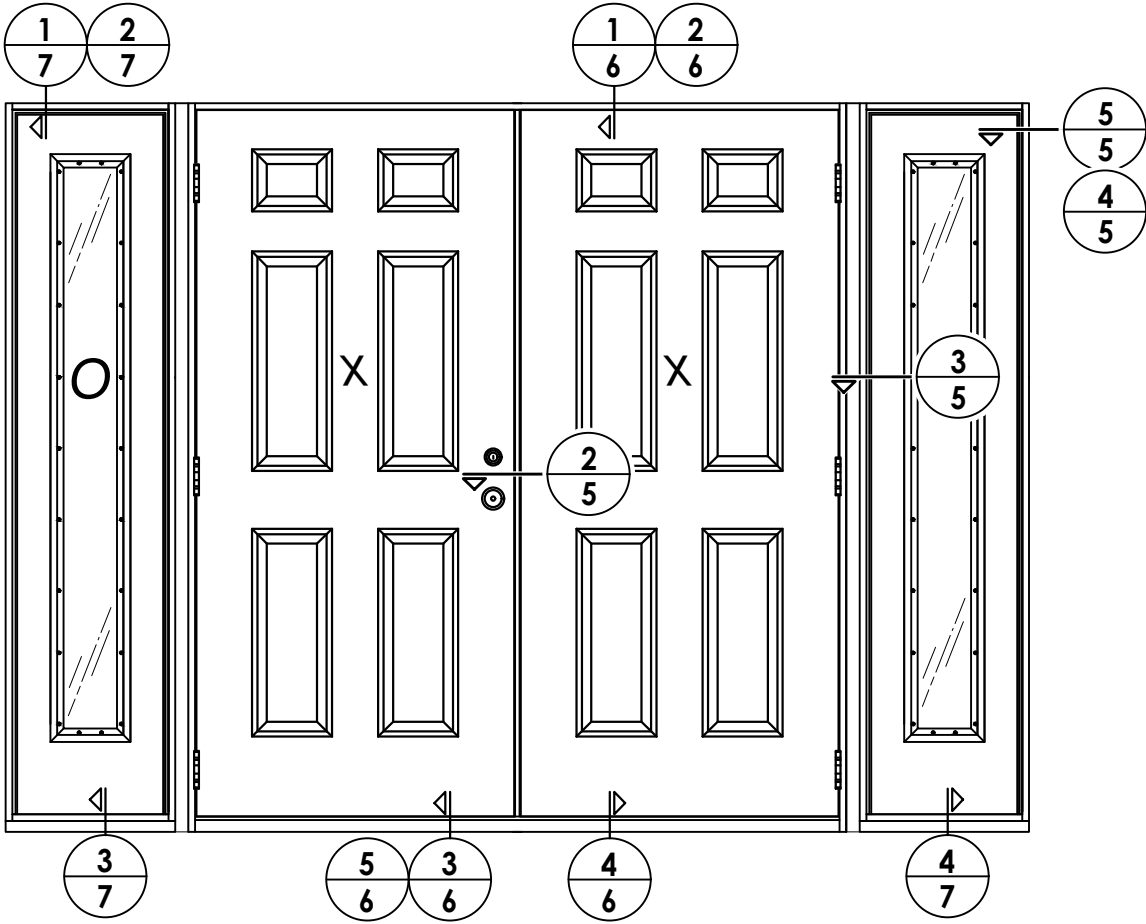
2/3 VERTICAL CROSS SECTION

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: MASTERGRAIN FIBERGLASS DOOR				PART OR ASSEMBLY: SIDELITE PANEL DETAILS AND GLAZING DETAIL			
6	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS		
5	7/01/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS		
4	7/08/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS		
NO.	DATE				BY		
				REVISIONS			
DATE: 11/30/09							
SCALE: N.T.S.							
DWG. BY: AP							
CHK. BY: LFS							
DRAWING NO.: FL-13320.8							
SHEET 3 OF 10							

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ELEVATION (XX)



ELEVATION (OXXO)

DATE: 11/30/09

SCALE: N.T.S.

DWG. BY: AP

CHK. BY: LFS

DRAWING NO.:
FL-13320.8

SHEET 4 OF 10

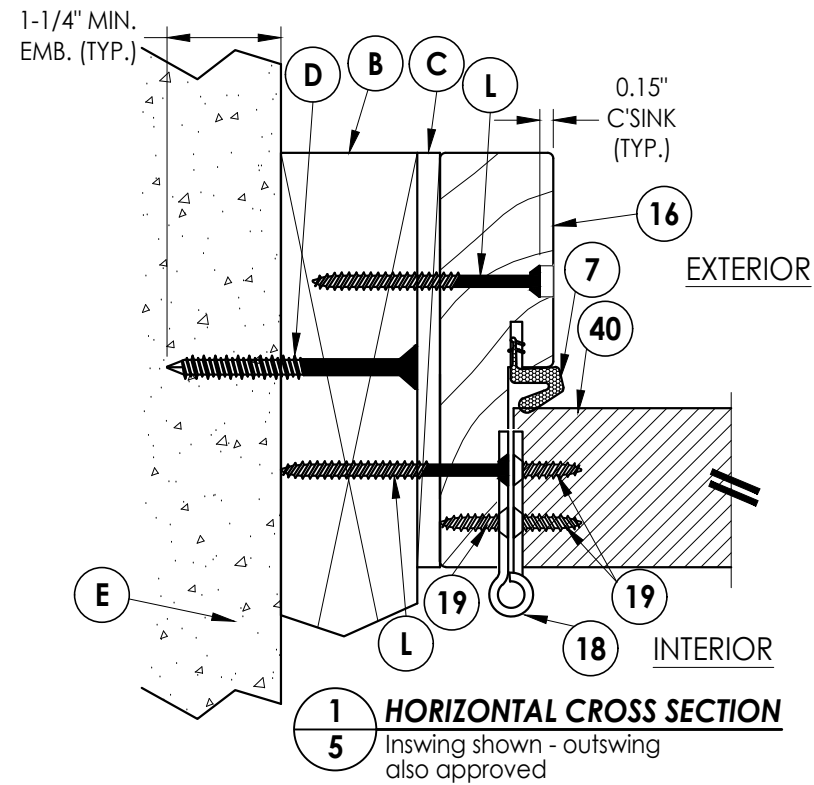
NO.	DATE	REVISIONS
6	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	7/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	7/08/20	UPDATE TO 7TH ED. (2020) FBC LFS
		BY

PRODUCT:	MASTERGRAIN FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

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

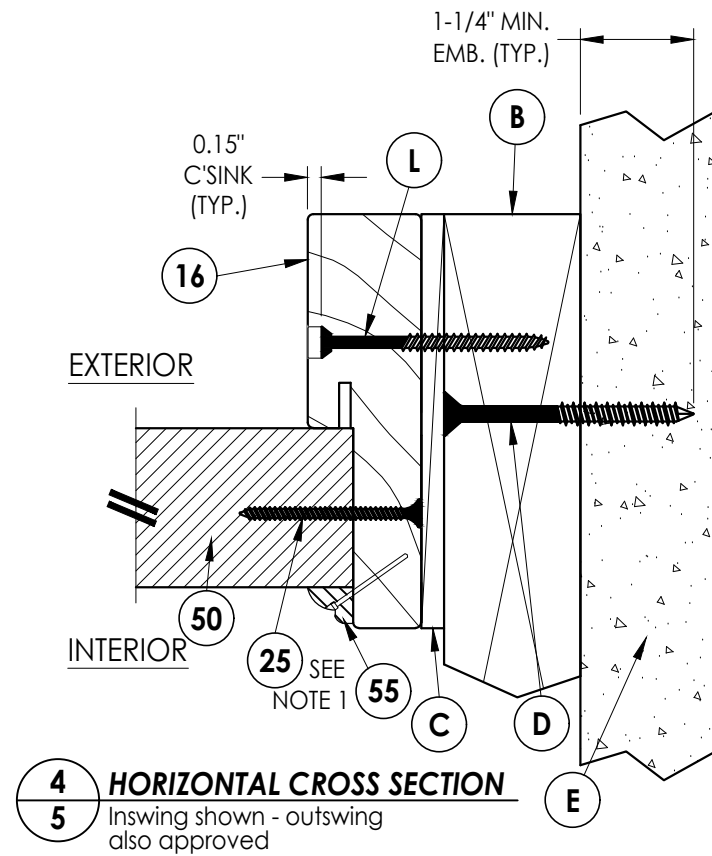
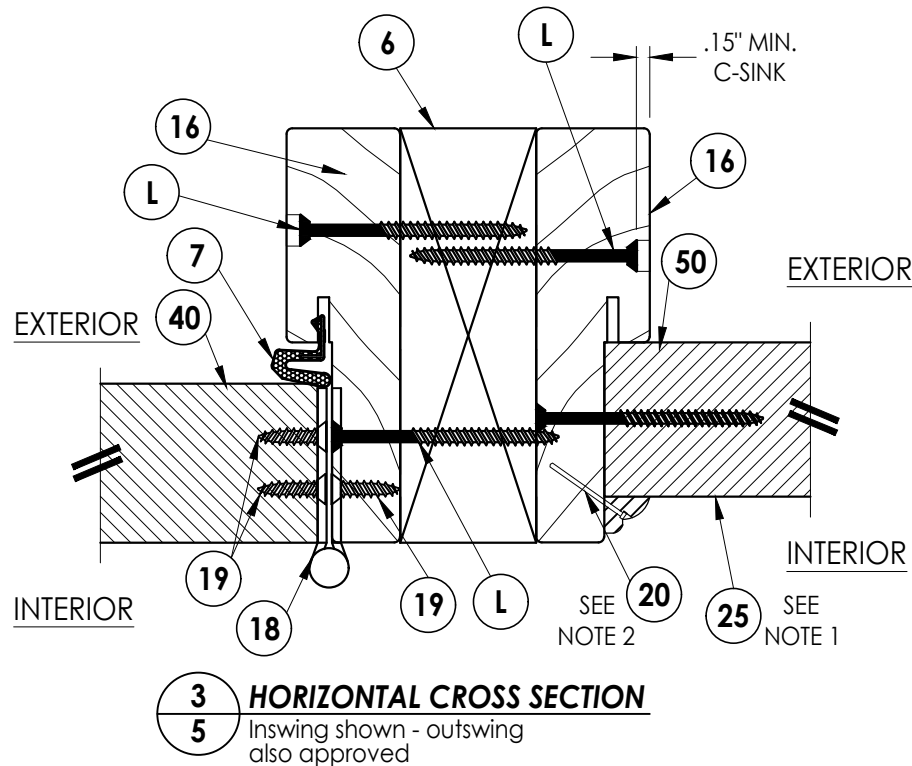
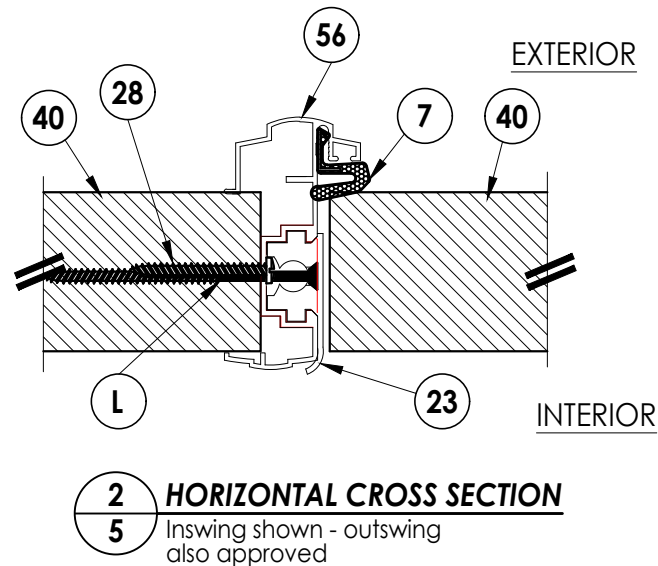
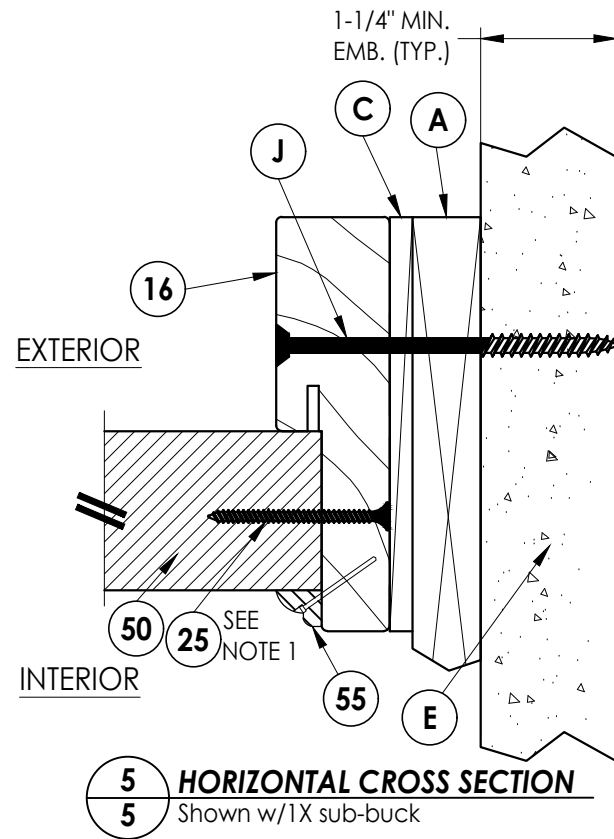
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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NOTE:

1. Sidelite ass'y fastener; 6" from each end and 6 more screws equally spaced between. (8 screws total per jamb.)
2. Trim secured with 1" Brad Nail @ 6" O.C. (TYP).

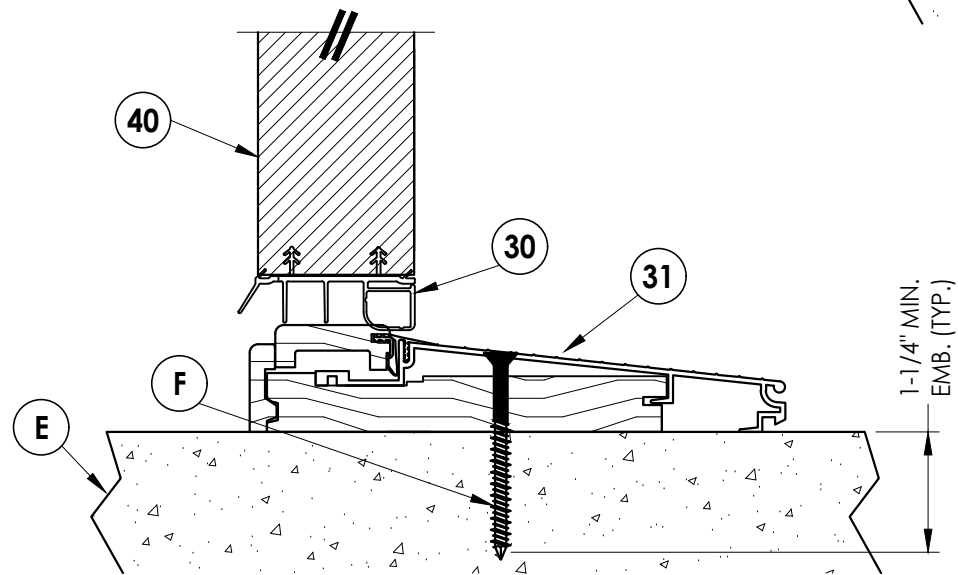


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

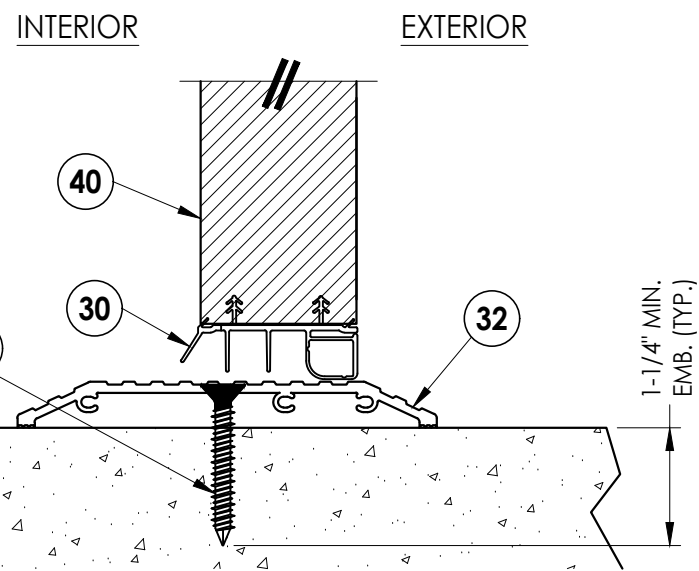
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		MASTERGRAIN FIBERGLASS DOOR		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	

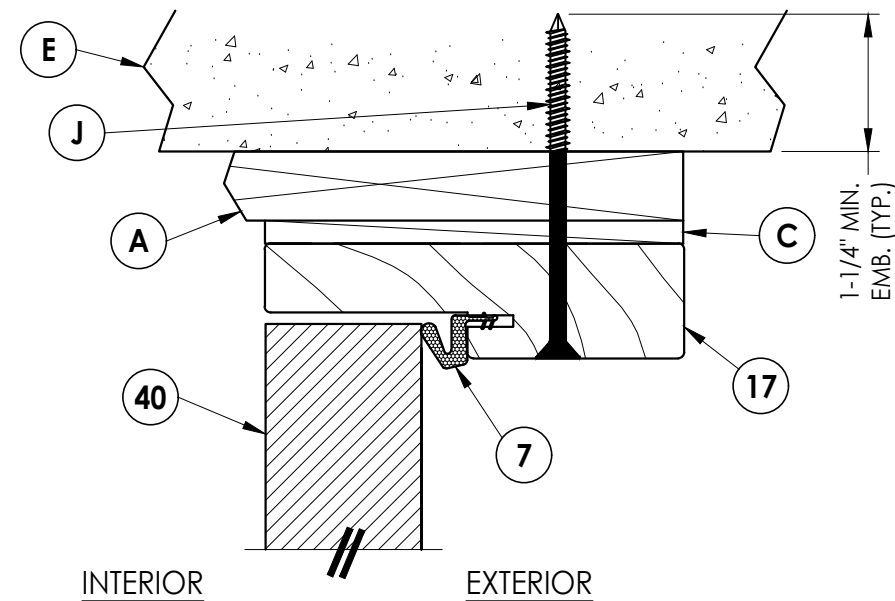
INTERIOR EXTERIOR



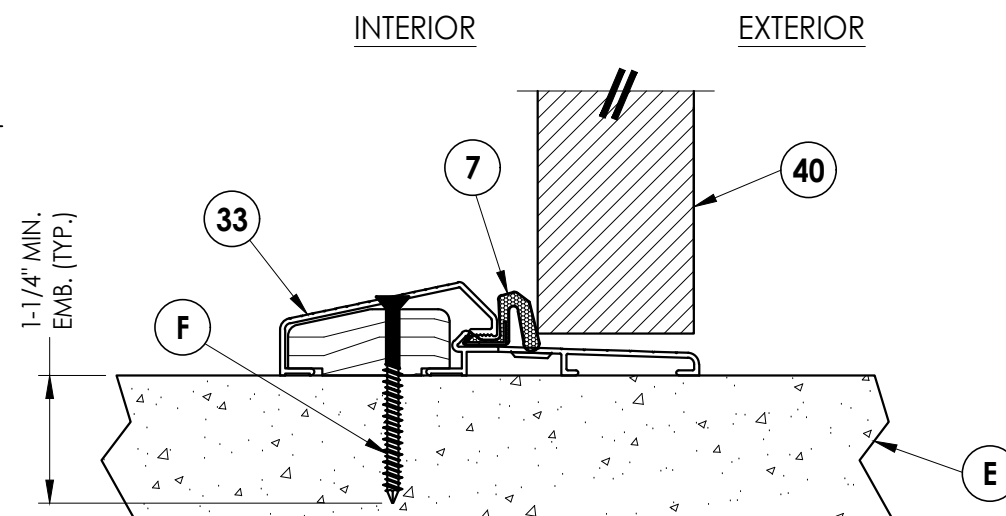
3 **VERTICAL CROSS SECTION**
6 Inswing configuration



5 VERTICAL CROSS SECTION
6 Shown w/ ADA threshold



2 VERTICAL CROSS SECTION
6 Shown w/1X sub-buck



4 **VERTICAL CROSS SECTION**
6 Outswing configuration

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

PRODUCT: MASTERGRAIN
FIBERGLASS DOOR

FOR OR ASSEMBLY:
VERTICAL CROSS SECTIONS

6	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
5	7/01/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
4	7/08/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS
NO.	DATE				BY
					REVISIONS

DATE: 11/30/09

SCALE: *N.T.S.*

DWG. BY: *AP*

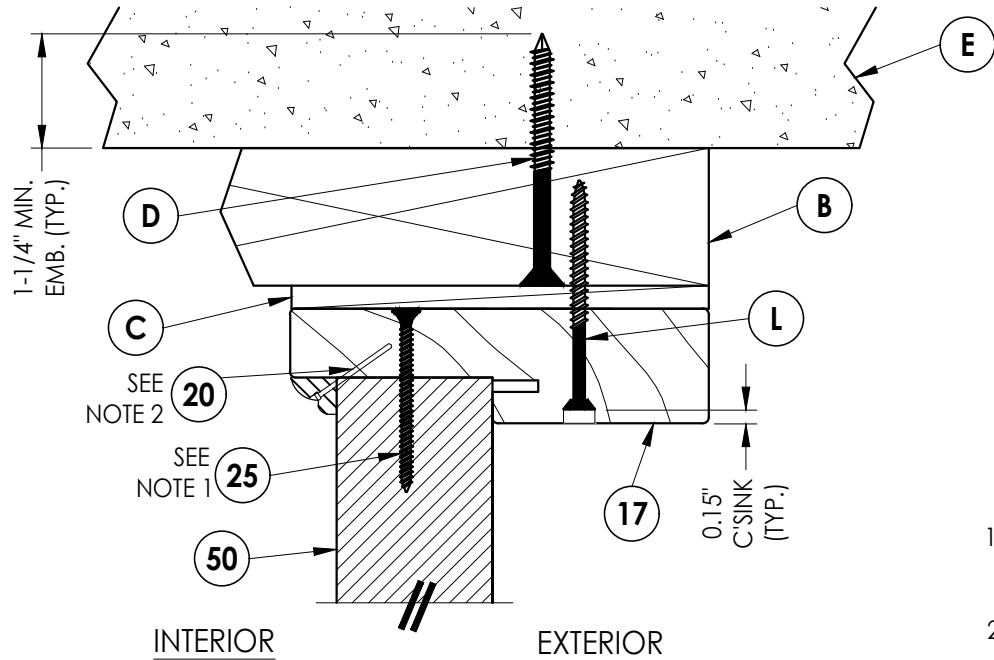
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DRAWING NO.:

FL-13320.8

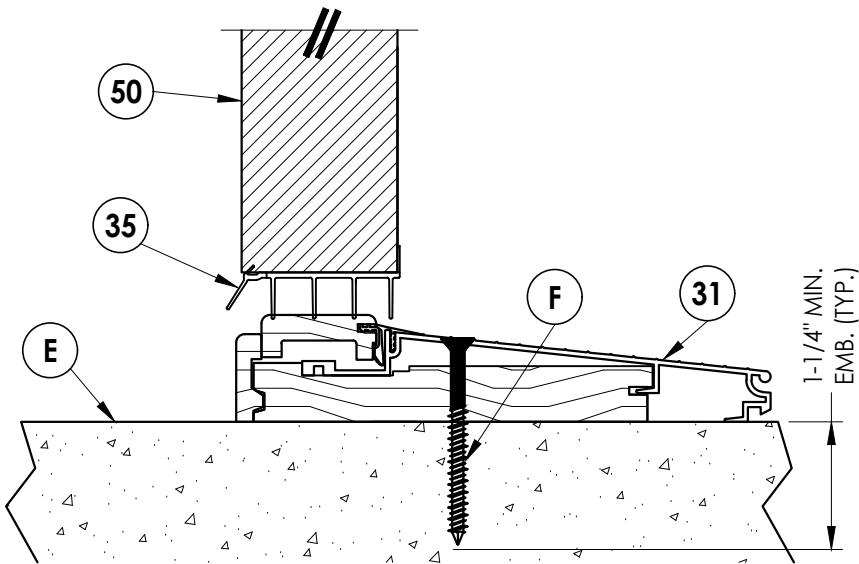
SHEET 6 OF 10

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1
7 **VERTICAL CROSS SECTION**
Inswing shown - outswing
also approved

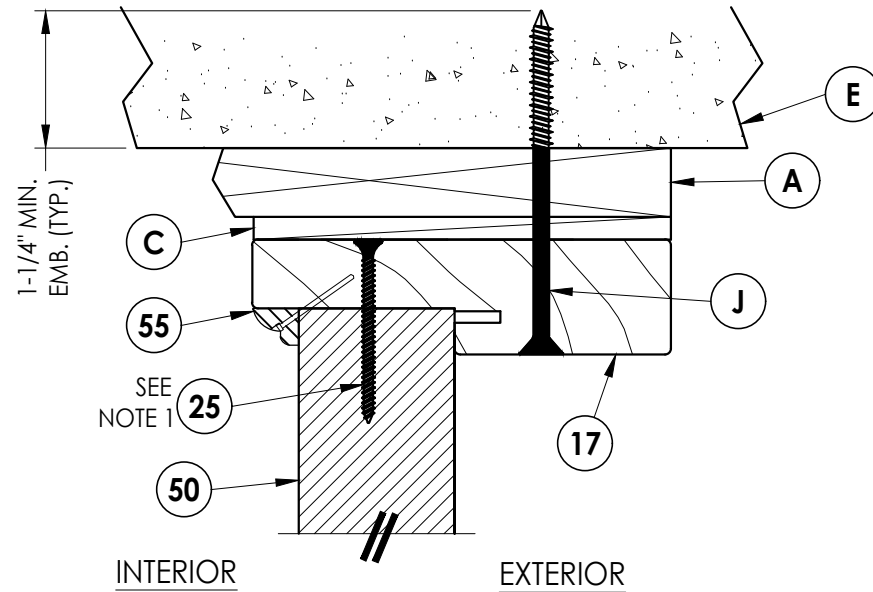
INTERIOR EXTERIOR



3
7 **VERTICAL CROSS SECTION**
Inswing configuration

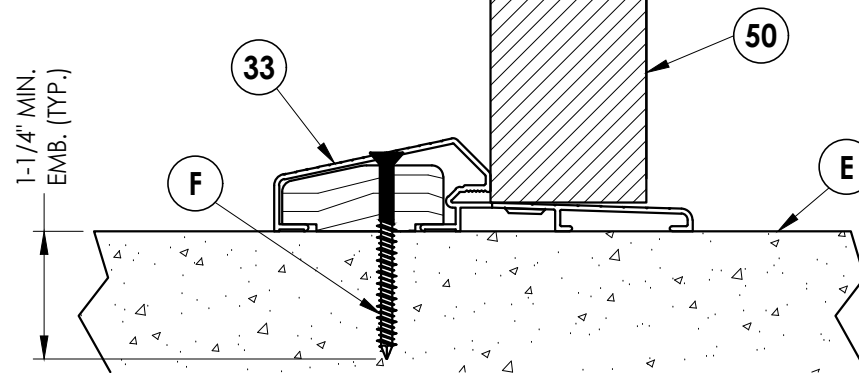
NOTE:

1. Screws thru head jamb located 3" from each end.
2. Trim secured with 1" Brad Nail @ 6" O.C. (TYP).



2
7 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck

INTERIOR EXTERIOR



4
7 **VERTICAL CROSS SECTION**
Outswing configuration

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:
MASTERGRAIN
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
6	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	7/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	7/08/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 11/30/09

SCALE: N.T.S.

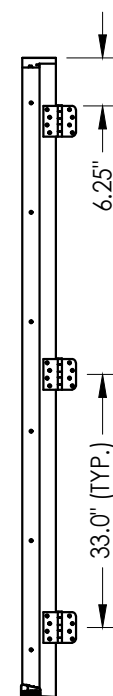
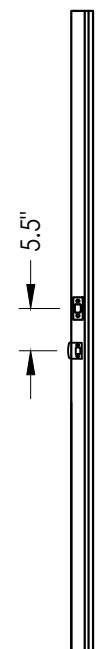
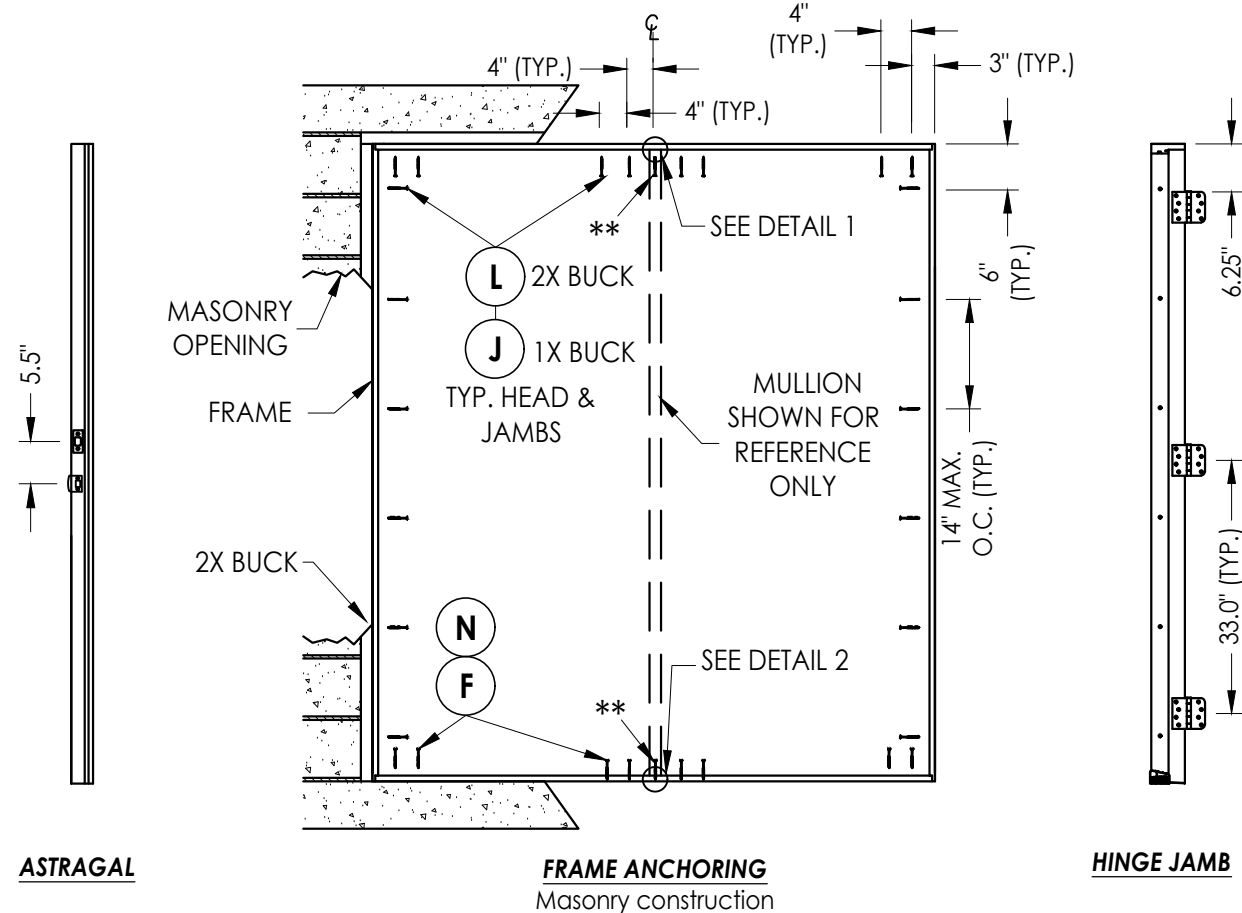
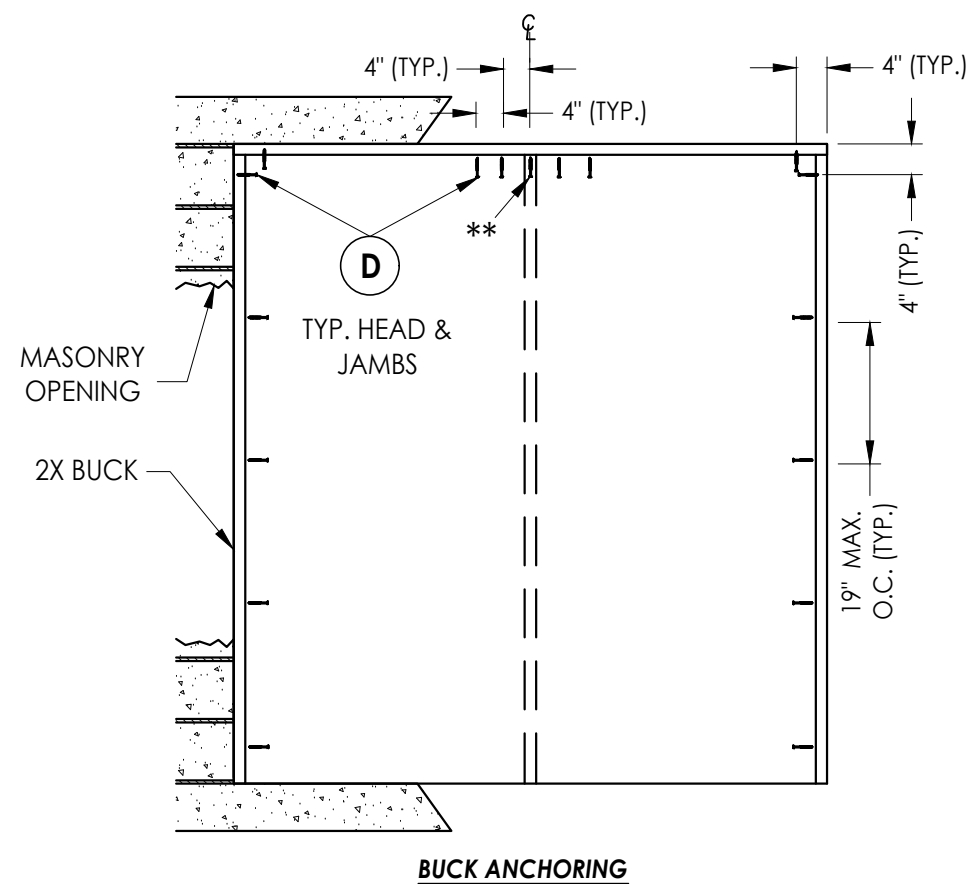
DWG. BY: AP

CHK. BY: LFS

DRAWING NO.:

FL-13320.8

SHEET 7 OF 10



** Additional anchor required
for DP > 50 PSF only

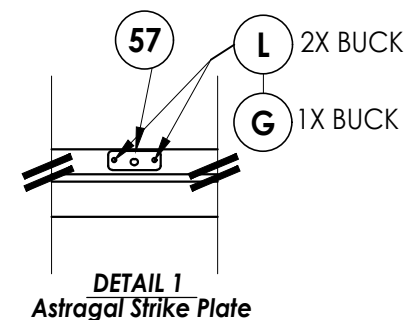
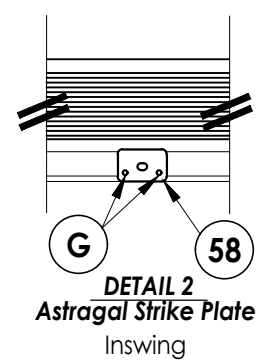
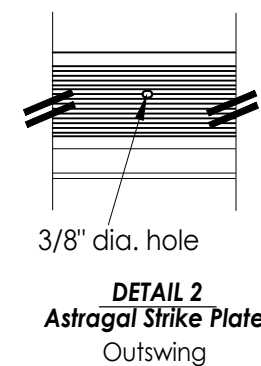
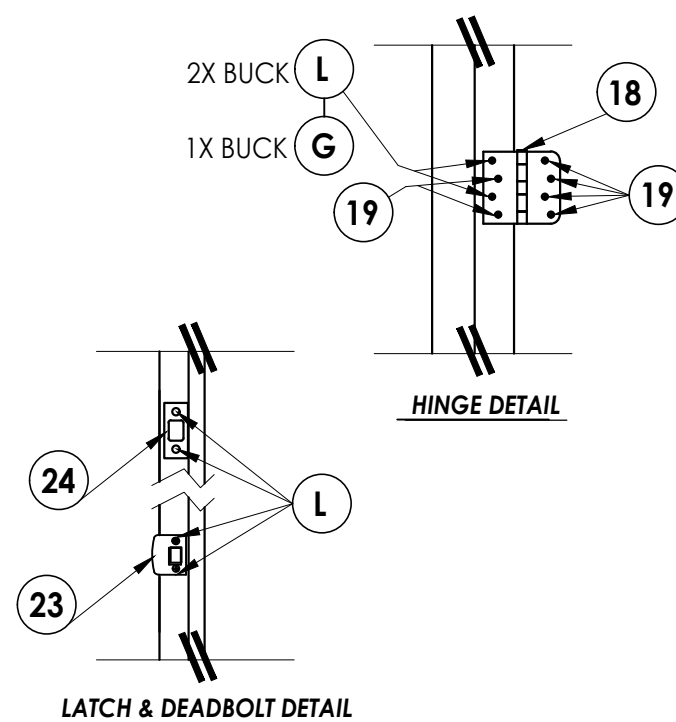
CONCRETE ANCHOR NOTES:

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 TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

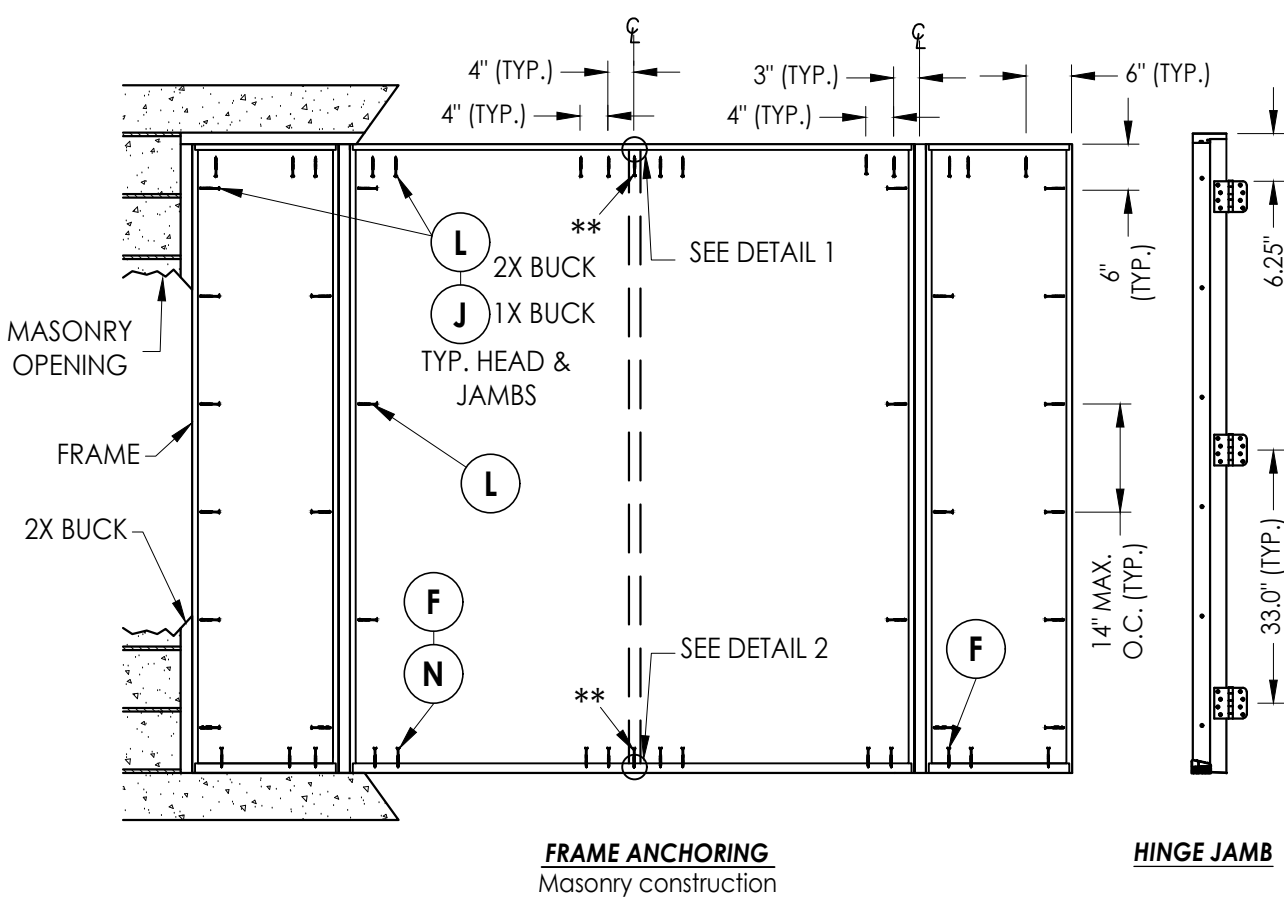
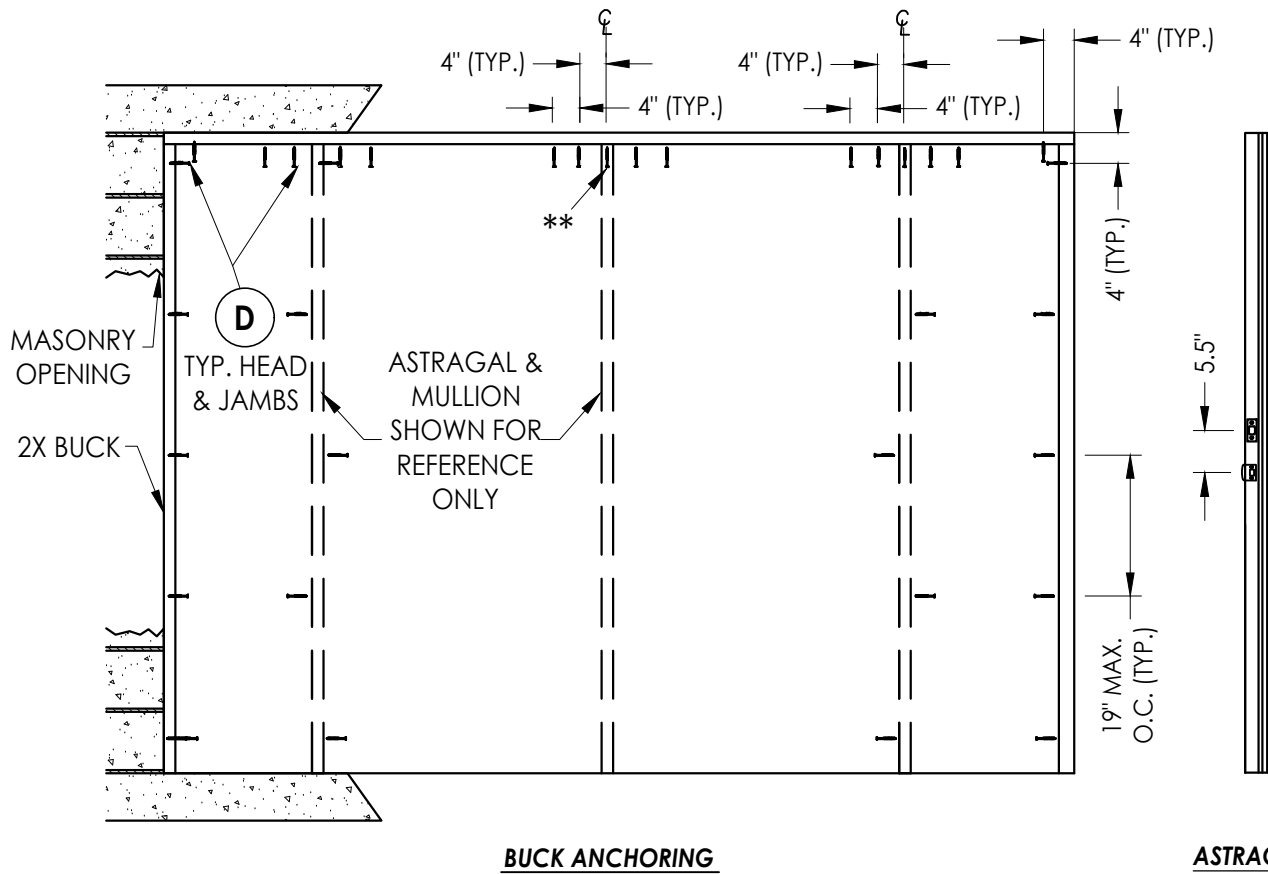
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

[illegible]

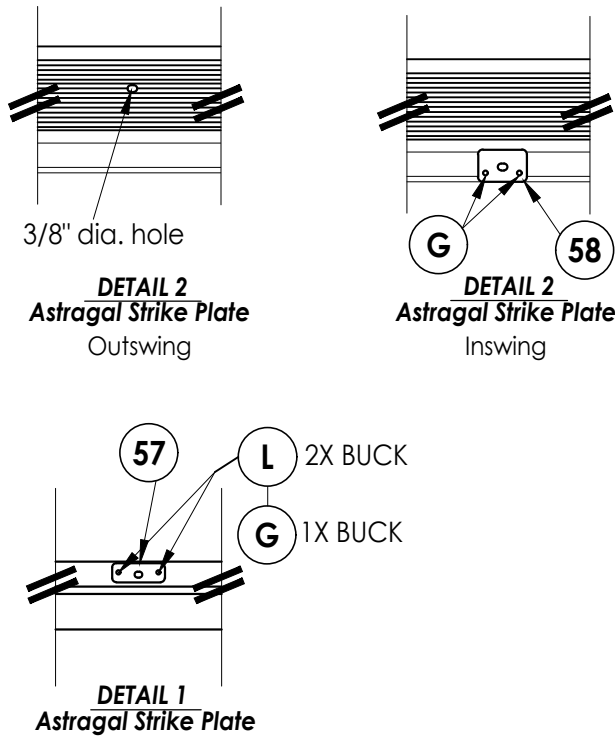
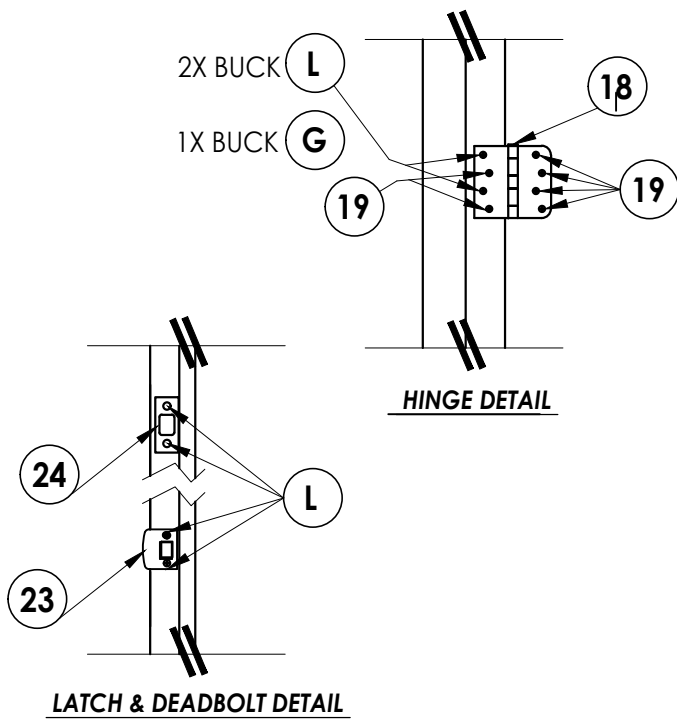
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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** Additional anchor required
for DP > 50 PSF only



CONCRETE ANCHOR NOTES:

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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.

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

PRODUCT:
MASTERGRAIN
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
(OXXO)

NO.	DATE	REVISIONS
6	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	7/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	7/08/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 11/30/09

SCALE: N.T.S.

DWG. BY: AP

CHK. BY: LFS

DRAWING NO.: FL-13320.8

SHEET 9 OF 10

