

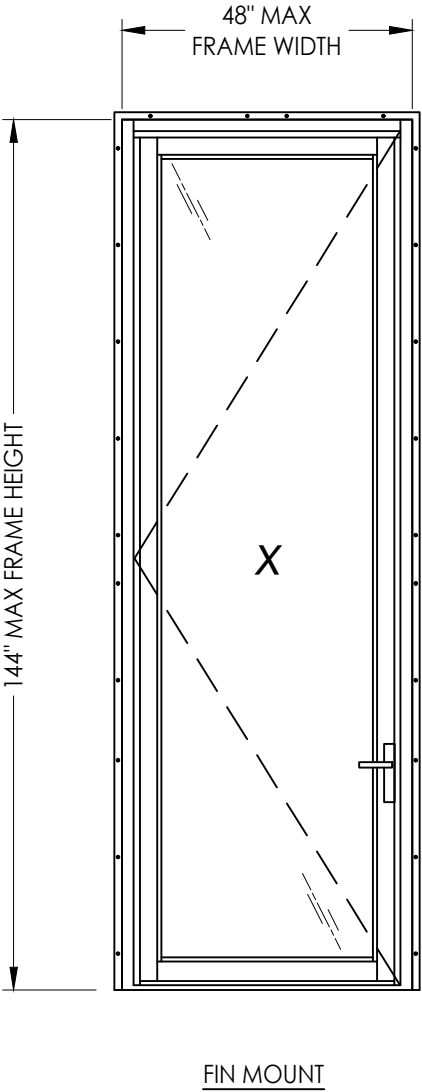


Series 3900-T
Aluminum Side Hinged Single Door
Inswing/Outswing
"IMPACT"

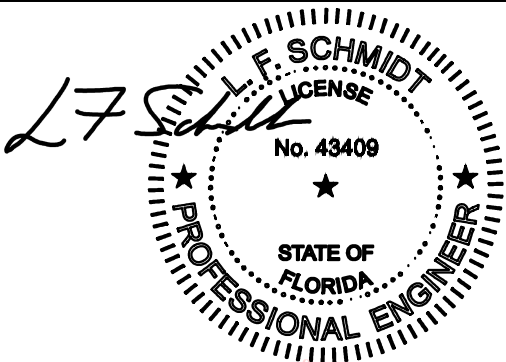
GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- 4. When used in areas outside of the "HVHZ" 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 includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- 5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- 7. This product meets water infiltration requirements for "HVHZ".
- 8. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.
- 9. Gaskets shall comply with FBC Section 2411.3.4.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures and general notes
2	Door panel & glazing details
3	Vertical cross sections
4	Vertical cross sections
5	Horizontal cross sections
6	Buck and frame anchoring
7	Bill of materials & components



MAX O.A. FRAME DIMENSION	MAX DOOR D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
			INSWING		OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
48.0" X 144.0"	35.0" X 132.13"	G1, G2	+60.0	-65.0	+60.0	-60.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.11 16:01:13 -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:
FLEETWOOD WINDOWS & DOORS

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

DATE: 12/7/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

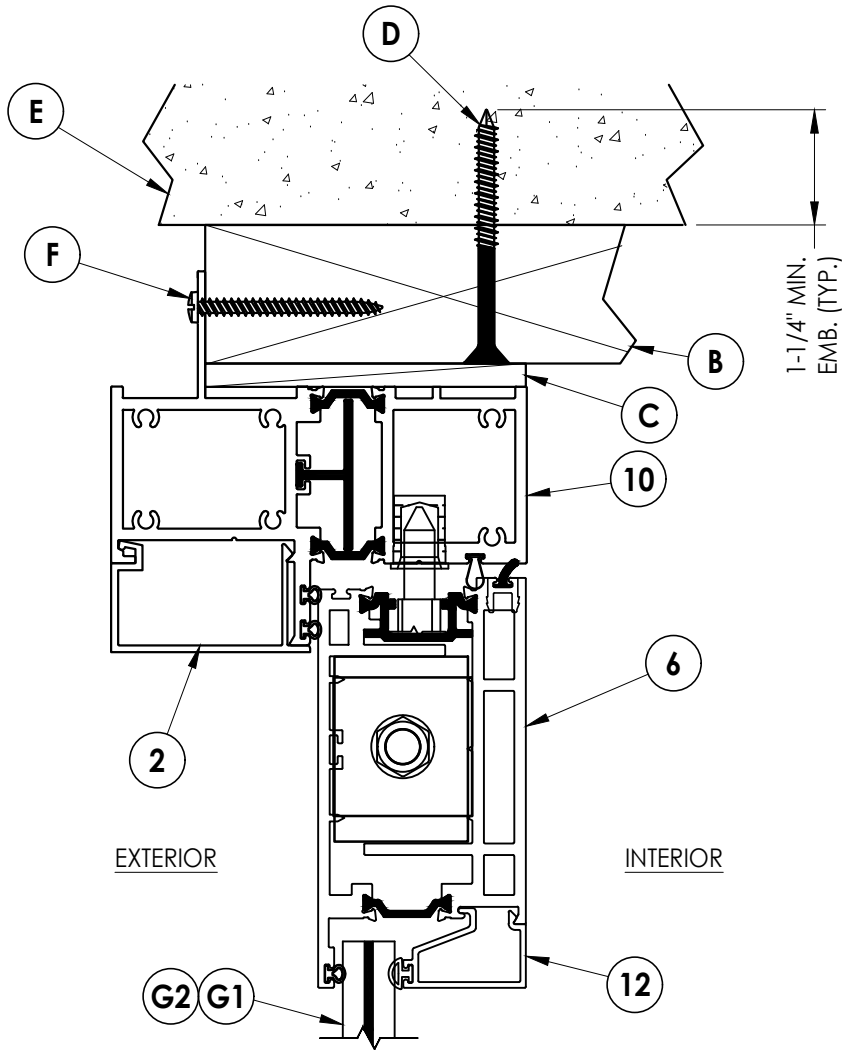
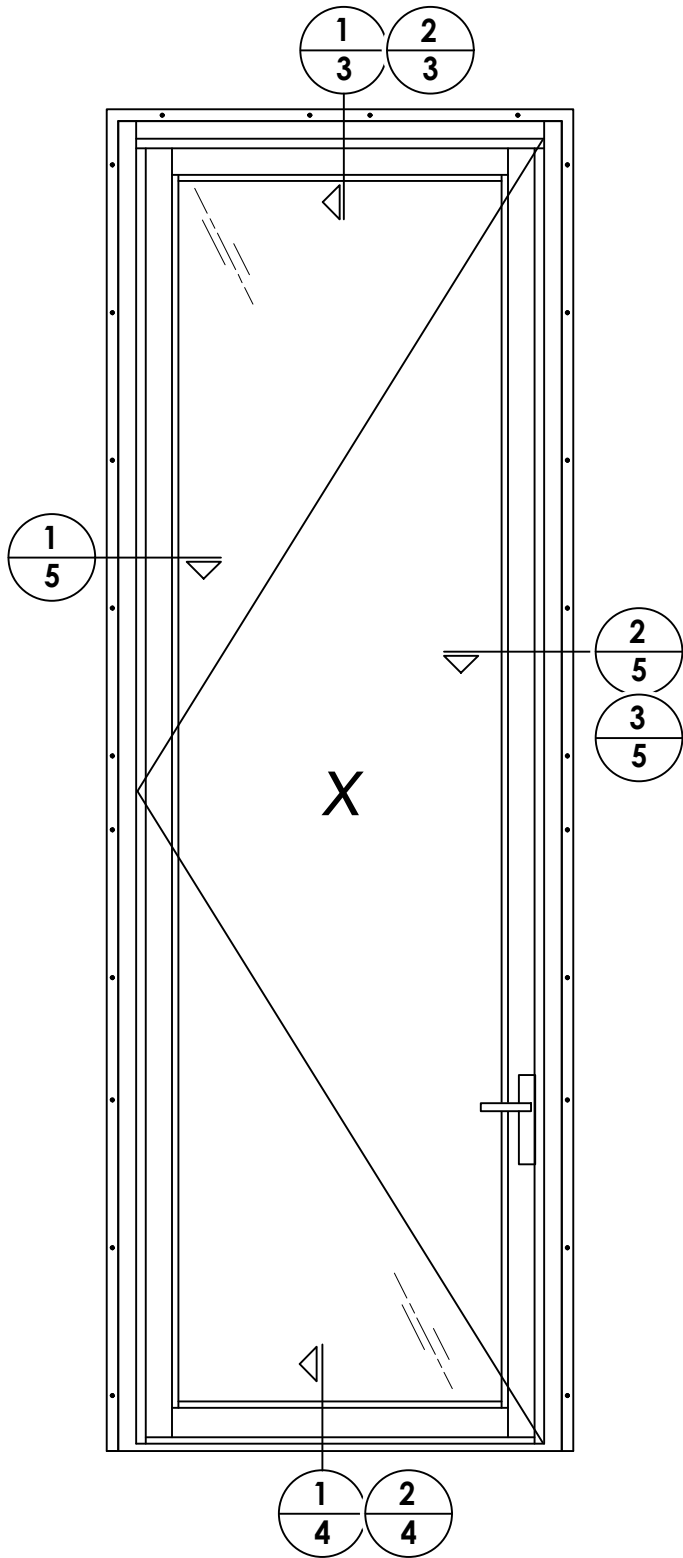
DRAWING NO.: FL-17954.8

SHEET 1 OF 7

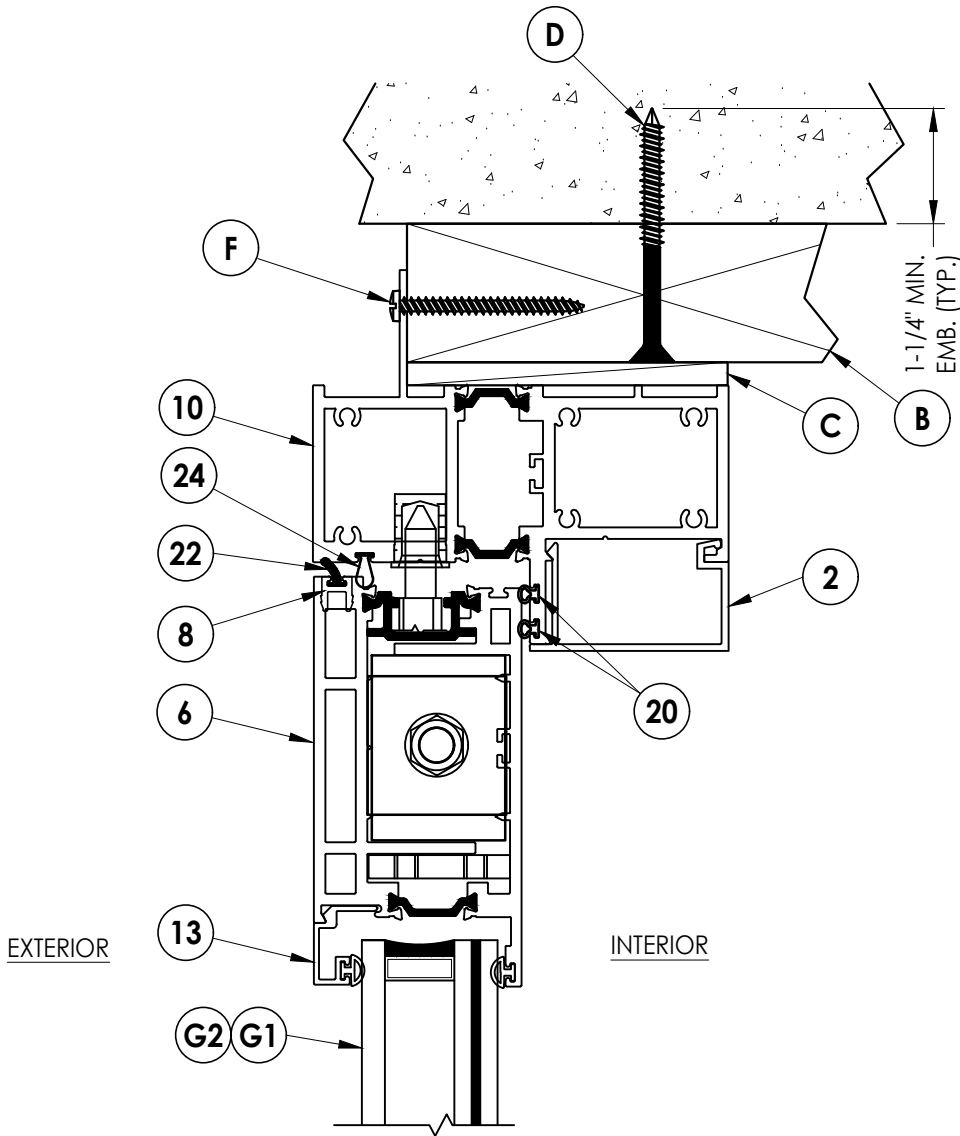
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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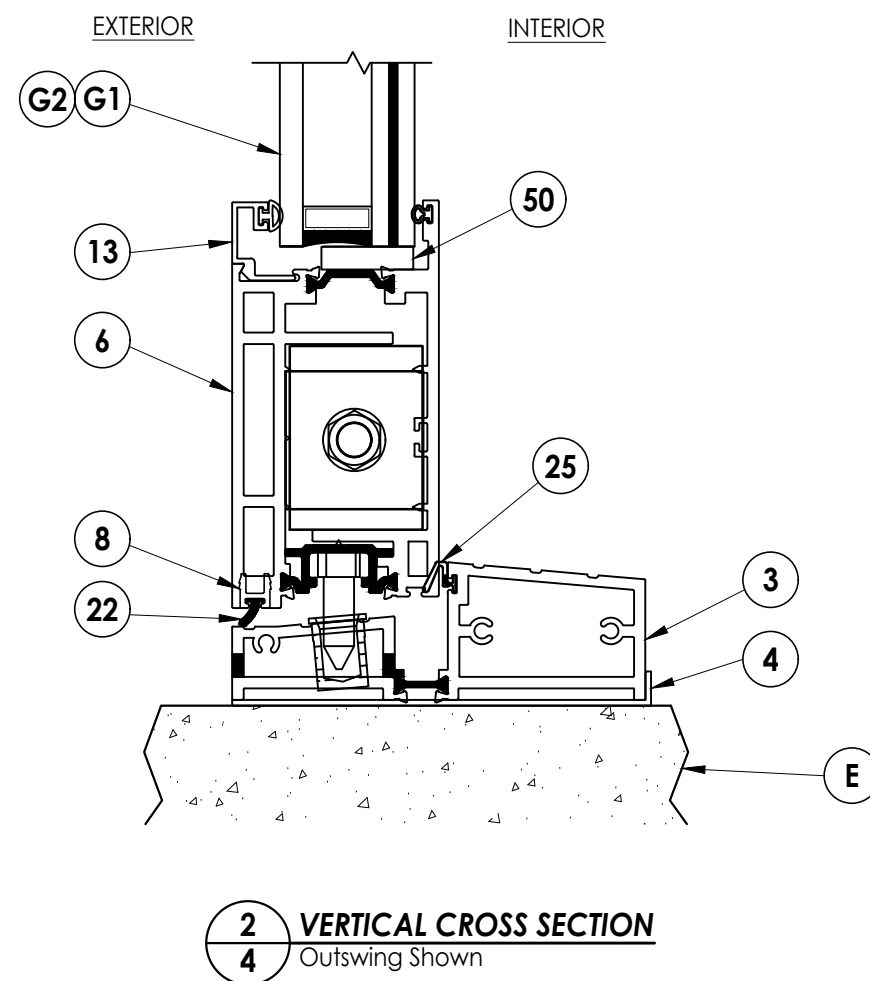


1
3 VERTICAL CROSS SECTION
Inswing shown

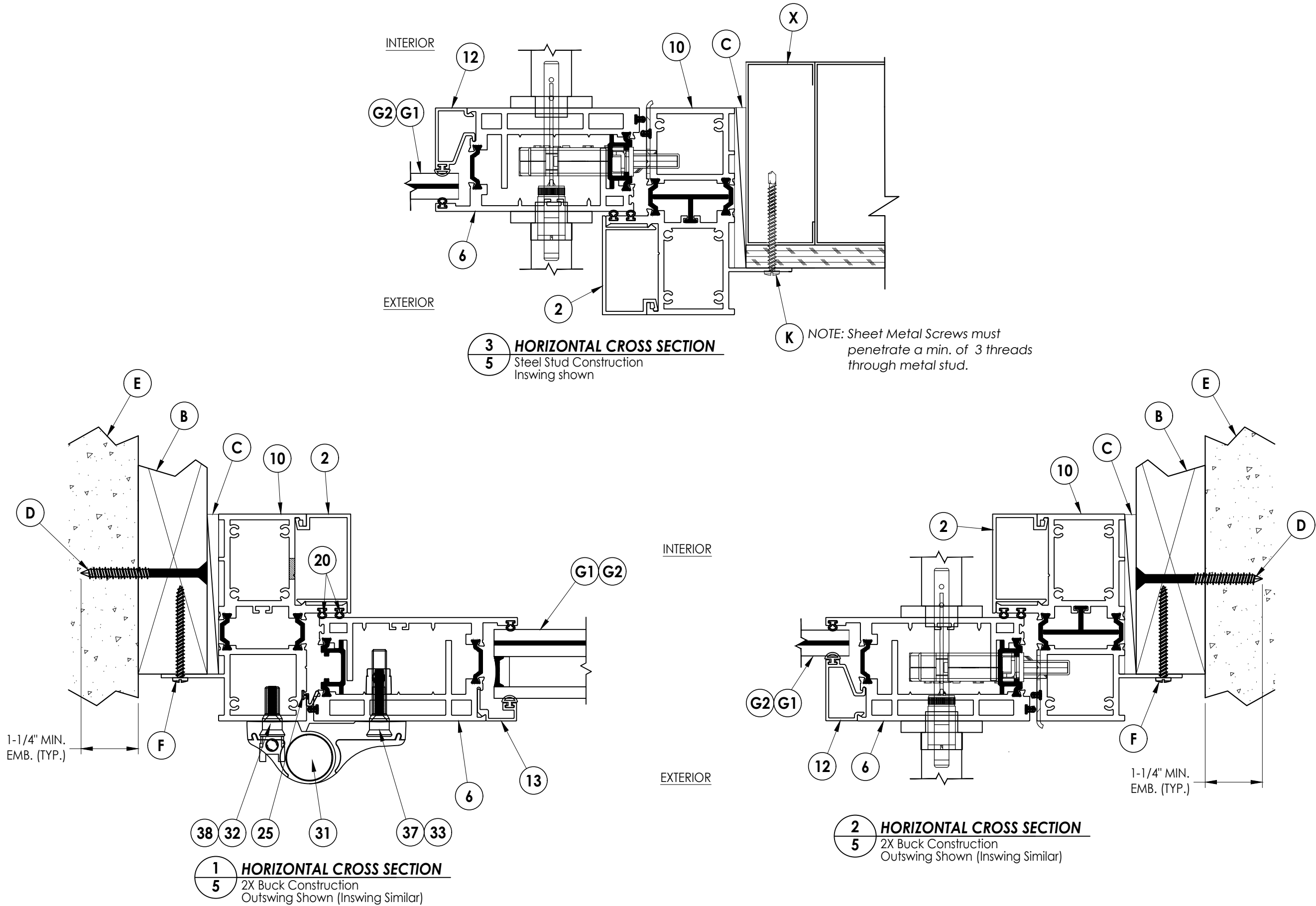


2
3 VERTICAL CROSS SECTION
Outswing shown

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: FLEETWOOD WINDOWS & DOORS		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
		REVISIONS	
		NO.	DATE
		1	7/11/23
			DATE
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DATE: 12/7/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-17954.8
SHEET 5 OF 7

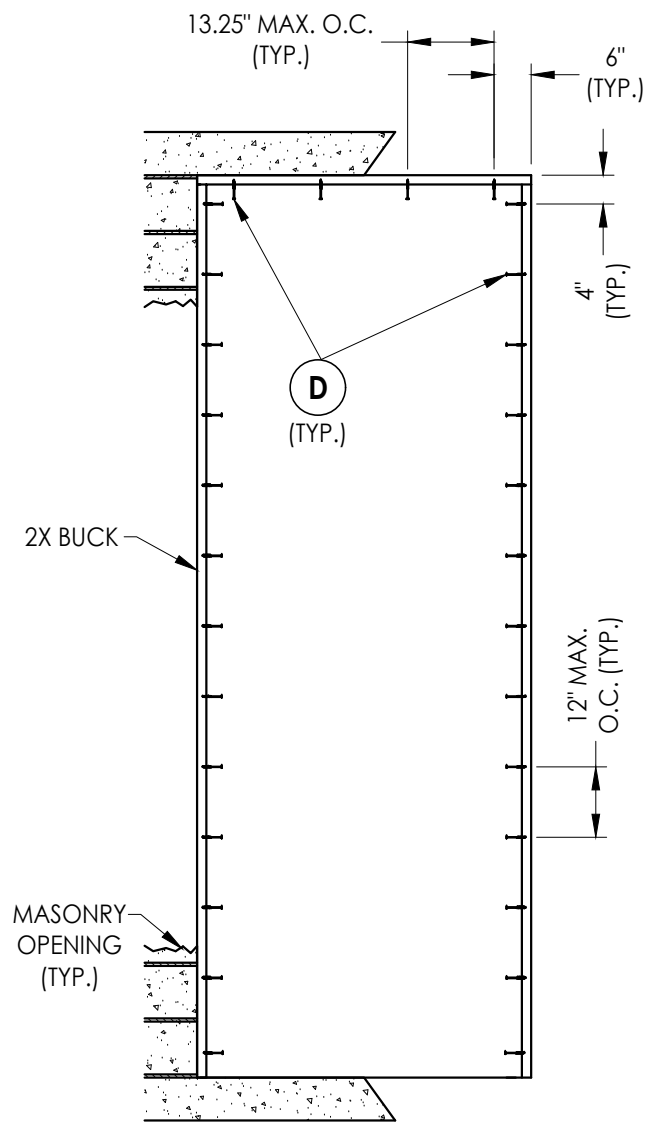
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1	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS

FLEETWOOD WINDOWS & DOORS

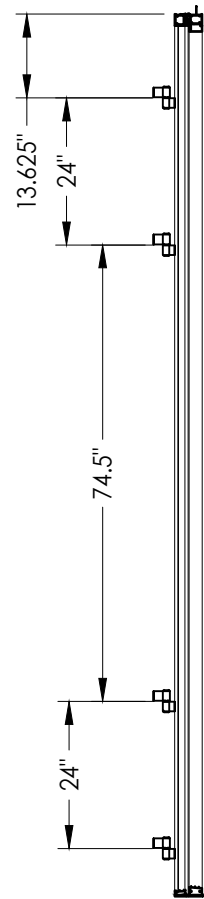
PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

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

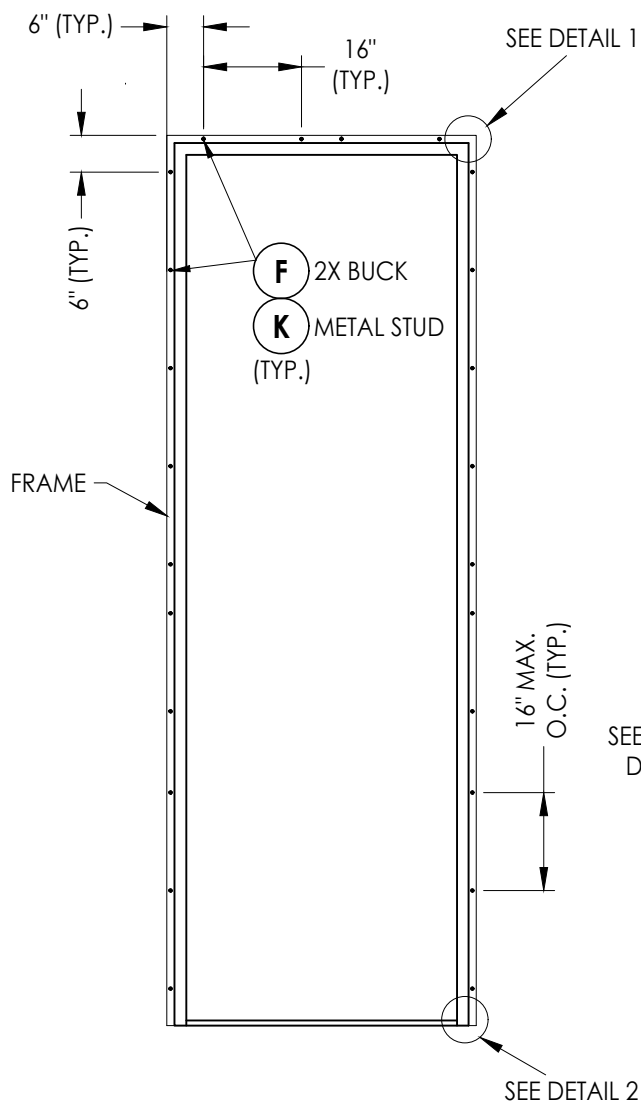
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Phone No.: 813.659.9197
FBPE Registry No. 9813



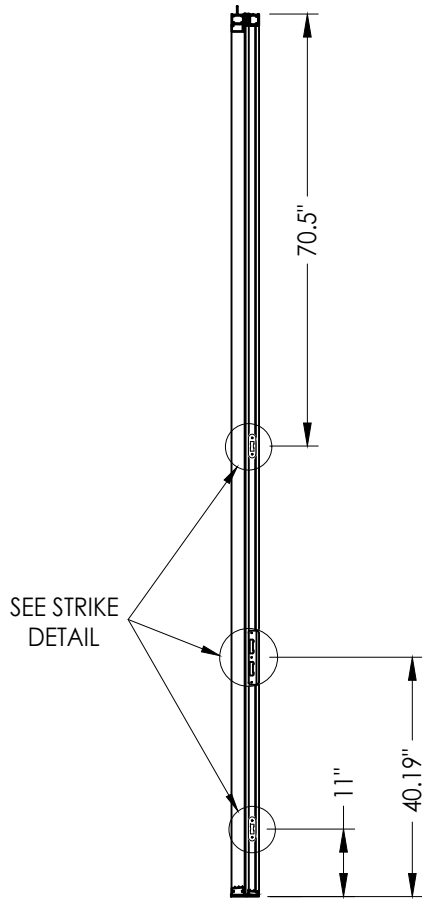
2X BUCK ANCHORING



HINGE DETAIL

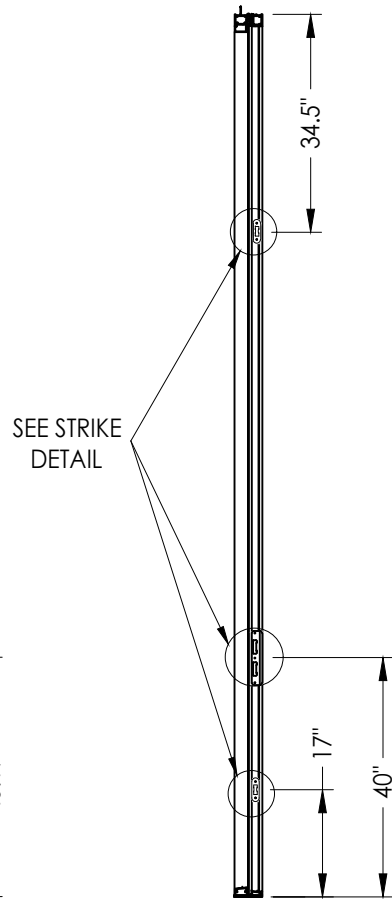


FRAME ANCHORING



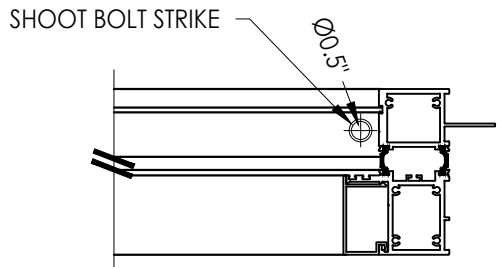
STRIKE JAMB

Fuhr Lock

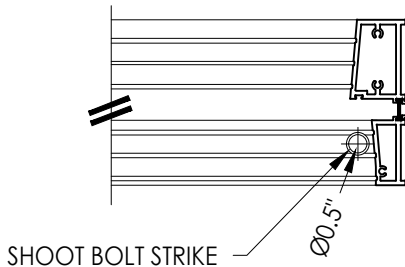


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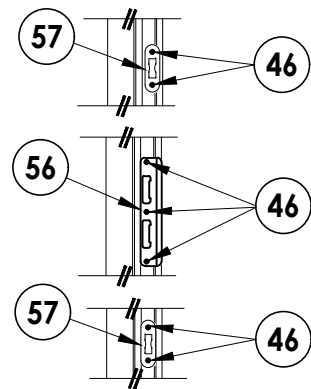
Truth Lock



DETAIL 1
Outswing Shown (Inswing Similar)



DETAIL 2
Outswing Shown (Inswing Similar)



STRIKE DETAIL

[illegible]

DATE: 12/7/20

SCALE: N.T.S.

DWG. BY: *RW*

CHK. BY: *LFS*

DRAWING NO.:
FL-17954.8

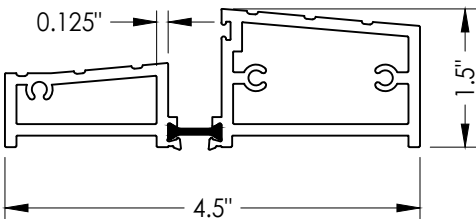
SHEET 6 OF 7

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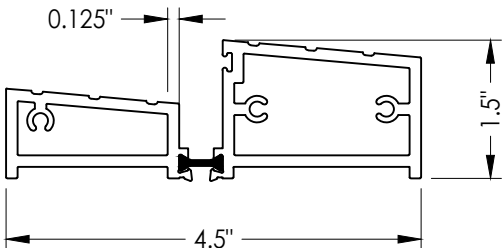
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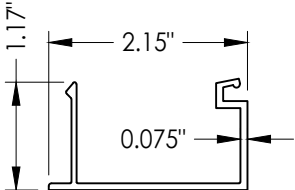
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL - MANUFACTURER
B	2X BUCK (SG >= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
K	#10 FH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
2	FRAME SNAP-IN	6063-T6 ALUM
3	OUTSWING SILL	6063-T6 ALUM
4	SILL PAN	6063-T6 ALUM
5	INSWING SILL	6063-T6 ALUM
6	SASH	6063-T6 ALUM
8	ATLANTIC SEAL CLIP	6063-T6 ALUM
10	FRAME (FIN)	6063-T6 ALUM
12	9/16" GLASS STOP	6063-T6 ALUM
13	1-1/2" GLASS STOP	6063-T6 ALUM
20	BULB VINYL - MINI (EPDM 70 Durometer)	TREMCO, # TX20801E
21	BULB VINYL - LARGE (EPDM 70 Durometer)	TREMCO, # TX19638E
22	FOAM SEAL	EMESBURY, # 32390
23	Q-LON FOAM SEAL	SCHLEGEL CORP., # Q225T190
24	Q-LON FOAM SEAL	SCHLEGEL CORP., # Q375T190
25	Q-LON FOAM SEAL	SCHLEGEL CORP., # QEZ 376
31	BUTT HINGE	SAVIO
32	BACK UP KIT	SAVIO
33	HINGE BOLT, 8M X 48MM (FOR PANEL)	SAVIO
36	BACK UP PLATE FOR CORNER BLOCK	-
37	MACHINE SCREW NO 10-32, FHP 1.125"	STAINLESS STEEL
38	MACHINE SCREW NO 10-32, FHP .75"	STAINLESS STEEL
39	HEX HEAD CAP SCREW .375-16, 2.250"	STAINLESS STEEL
40	.375-16 SS. HEX NUT	STAINLESS STEEL
41	.375 SPLIT LOCK WASHER	STAINLESS STEEL
46	#10 X 1/2" PFH SMS	STAINLESS STEEL
50	4" LONG SETTING BLOCK	-
56	LATCH AND DEADBOLT STRIKE PLATE	STAINLESS STEEL
57	STRIKE PLATE	STAINLESS STEEL



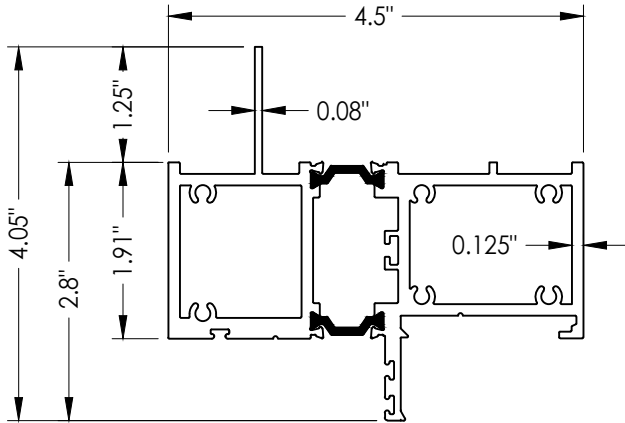
3 OUTSWING SILL



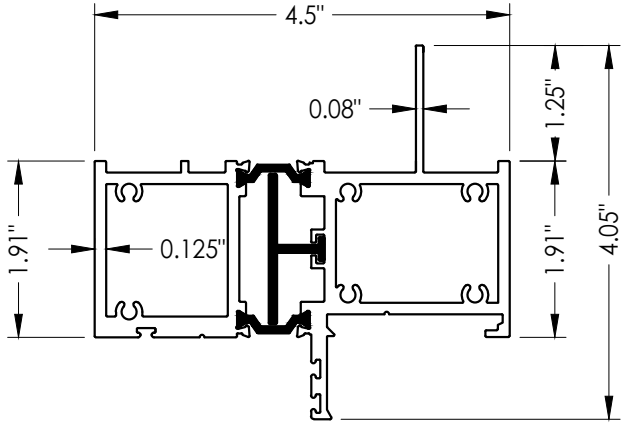
5 INSWING SILL



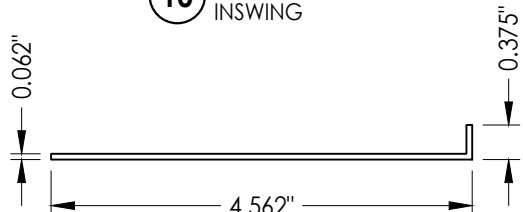
2 FRAME SNAP-IN



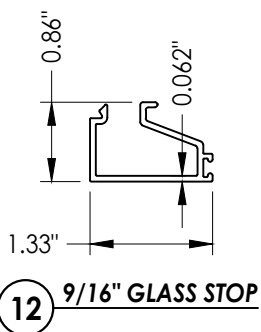
10 FRAME (FIN)
OUTSWING



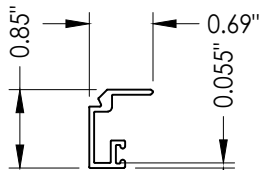
10 FRAME (FIN)
INSWING



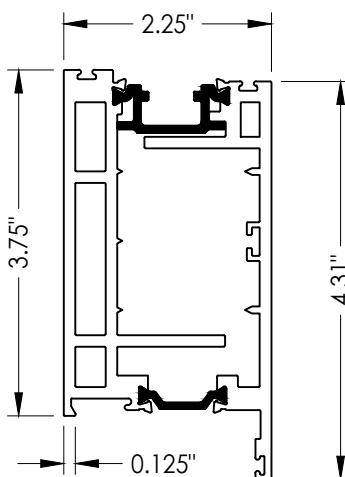
4 SILL PAN



12 9/16" GLASS STOP



13 1-1/2" GLASS STOP



6 SASH

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	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"

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

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

PRODUCT:
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	UPDATE TO	8TH ED. (2023)	FBC	LFS	BY
1	7/11/23					

REVISIONS

DATE: 12/7/20
SCALE: N.T.S.
DWG. BY: RW
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SHEET 7 OF 7