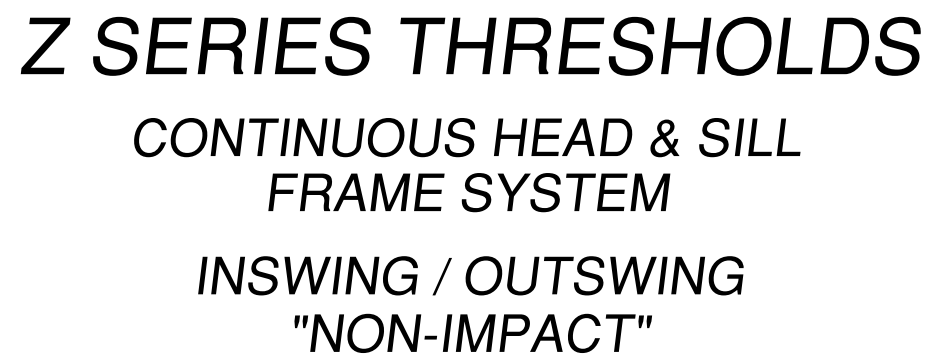
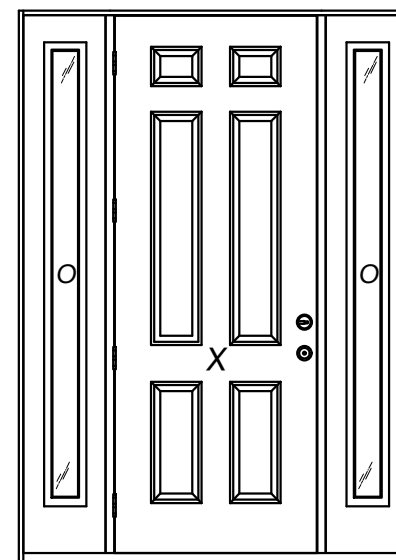




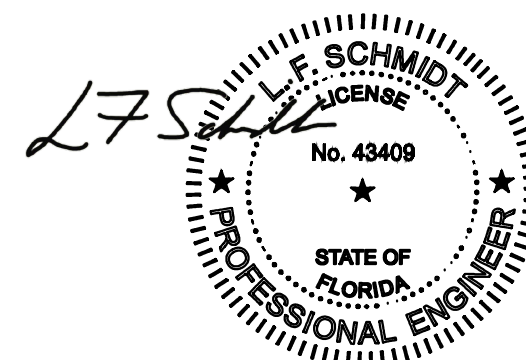
1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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. This product has been tested and is approved for use in the door panels as specified in this approval. Substitution into a similar product that possess a comparable current Florida Statewide product approval may be approved for use by the local Authority Having Jurisdiction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

Technical drawings of various 4565 series extrusion profiles, arranged in a grid. Each drawing shows a side profile of the extrusion with its internal features. The profiles are labeled as follows:

- Top row: ZAIL4565, ZAI4565FN, ZAILAA4565
- Second row: ZAIAA4565FN, ZAI4565RDS
- Third row: ZACL4565, ZAC4565FN, ZACLAA4565
- Fourth row: ZACAA4565FN, ZAC4565RDS
- Bottom row: ZOBL4565, ZOB4565FN, ZOB4565RDS



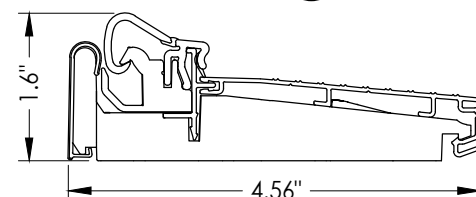
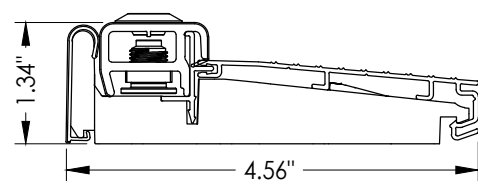
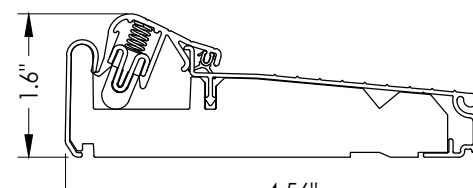
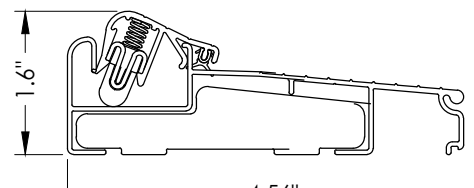
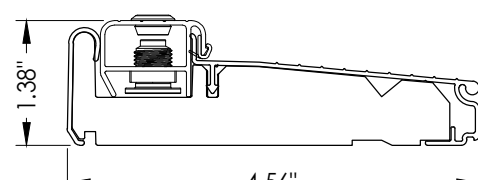
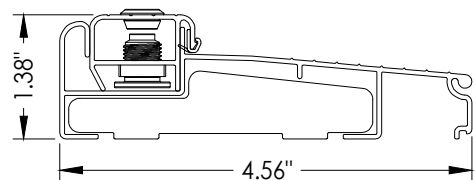
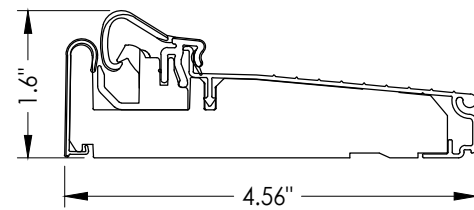
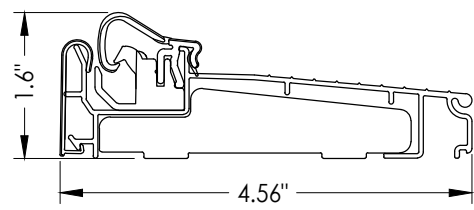
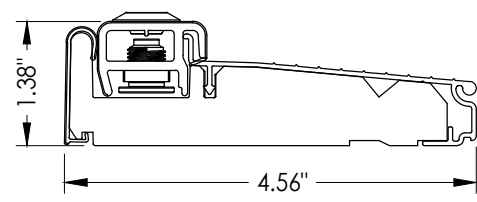
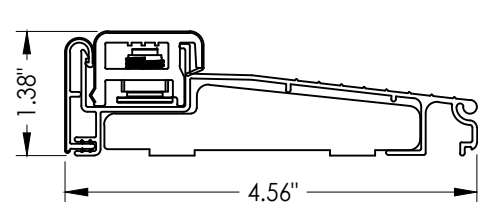
THERMA-TRU OPAQUE FIBERGLASS SINGLE DOOR w/ SIDELITE(S)



Digitally signed by Lyndon F Schmidt
Date: 2026.07.17 14:17:16 -04'00'

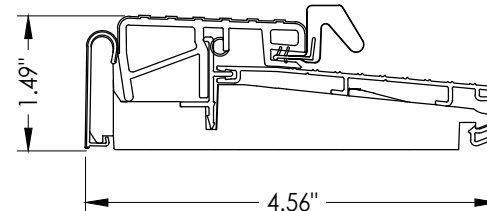
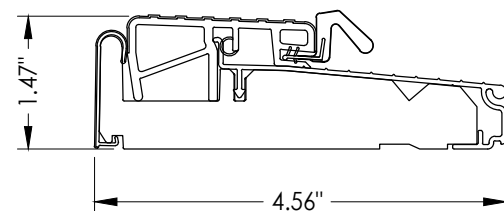
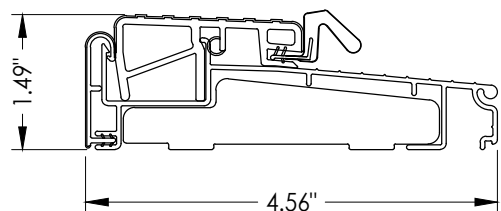
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

												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: ENDURA																																																													
												PART OR ASSEMBLY: TYPICAL ELEVATION & GENERAL NOTES																																																													
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4	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS																																																																					
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DRAWING NO.: FL-20698.19																																																																									
SHEET 1 OF 10																																																																									



INSWING ADJUSTABLE THRESHOLD				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
THERMA-TRU OPAQUE FIBERGLASS	OX / XO	53.38" X 97.94"	+55.0	-60.0
	OXO	68.97" X 97.94"		

INSWING ARTICULATING THRESHOLD				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
THERMA-TRU OPAQUE FIBERGLASS	OX / XO	53.38" X 97.94"	+50.0	-50.0
	OXO	68.97" X 97.94		



OUTSWING FIXED BUMPER THRESHOLD				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
THERMA-TRU OPAQUE FIBERGLASS	OX / XO	53.38" X 97.13"	+45.0	-45.0
	OXO	68.97" X 97.13"		

OUTSWING FIXED BUMPER THRESHOLD (RDS)				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
THERMA-TRU OPAQUE FIBERGLASS	OX / XO	53.38" X 97.13"	+45.0	-45.0
	OXO	68.97" X 97.13"		

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: ENDURA

PART OR ASSEMBLY:

4	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC LFS
2	8/06/20	UPDATE TO 7th ED. (2020)	DAC
1	12/13/17	REVISE FRAME ANCHORING	LFS
NO.	DATE		BY
REVISIONS			

DATE: 5/26/16

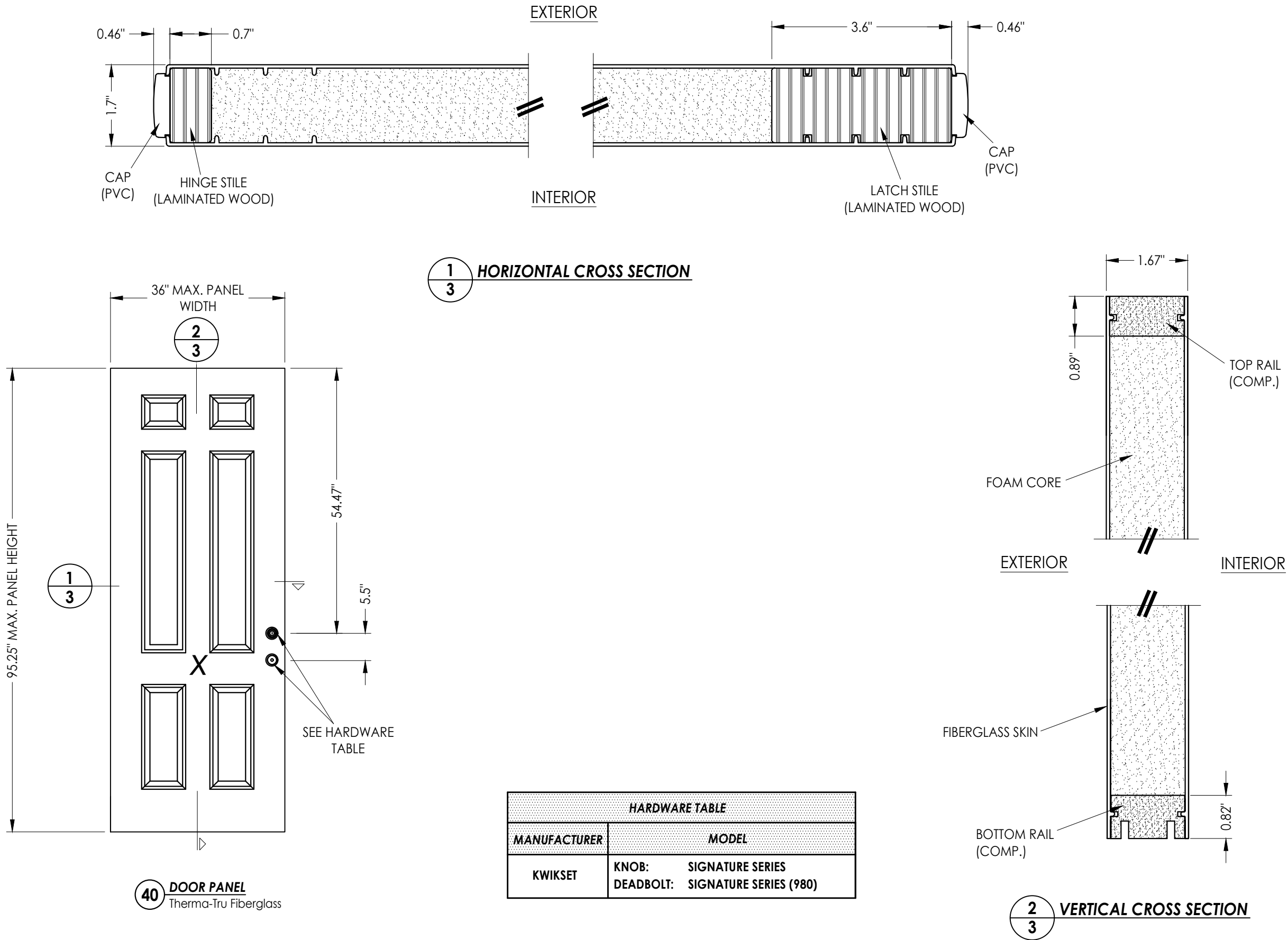
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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-20698.19

SHEET 2 OF 10



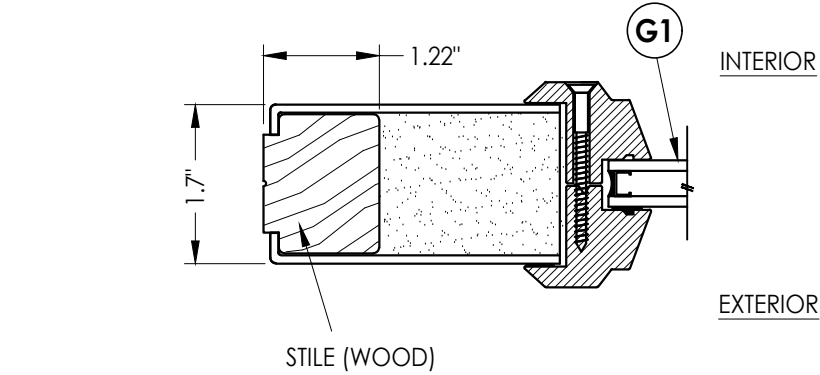
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MANUFACTURER	MODEL
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)

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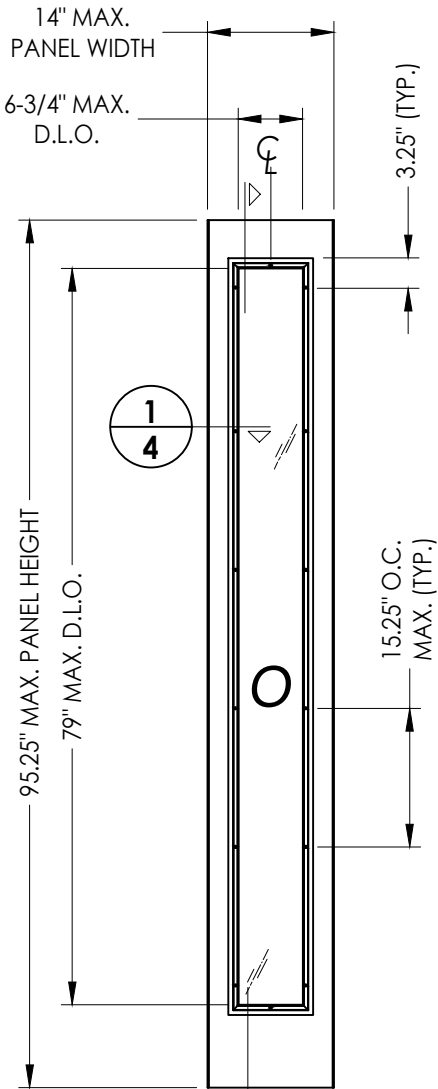
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

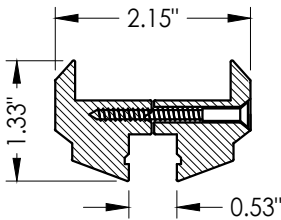
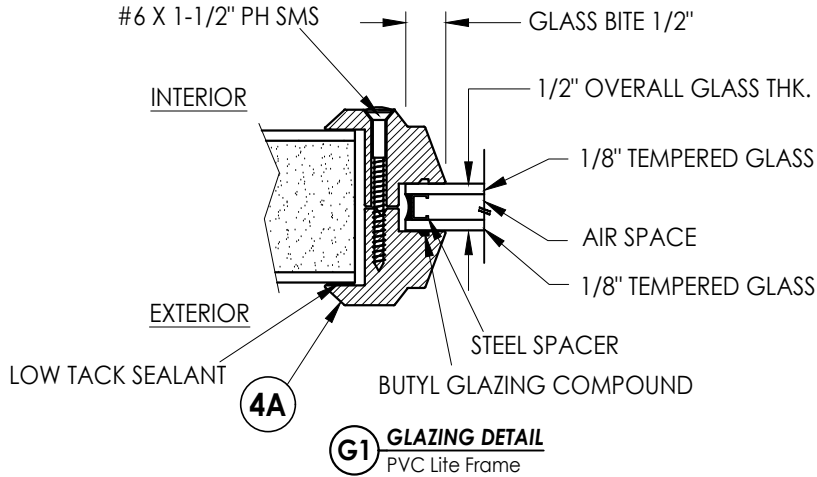
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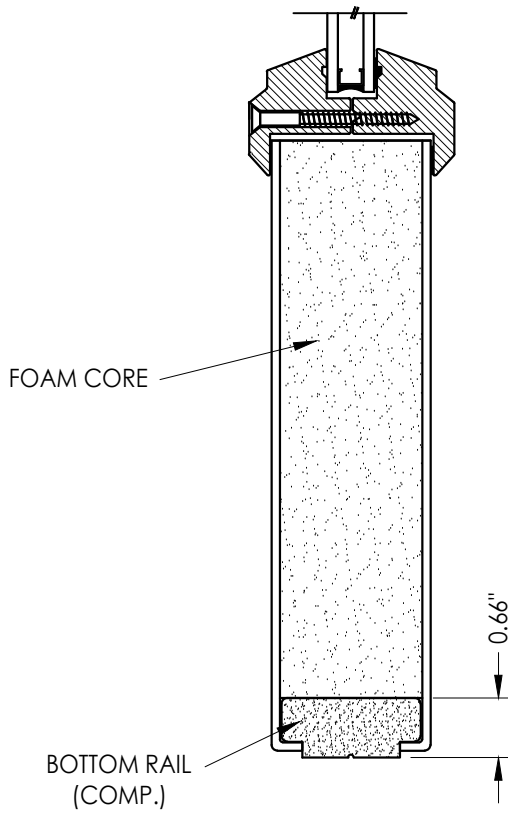
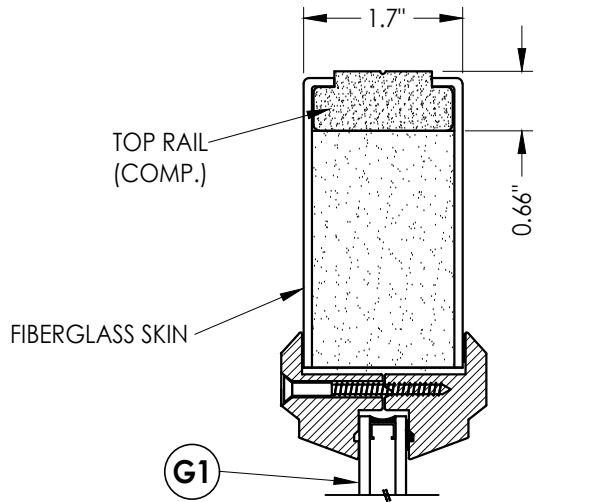
1
4 **HORIZONTAL CROSS SECTION**



40 **SIDELITE PANEL**
Therma-Tru Fiberglass



4A **PVC LITE FRAME**



2
4 **VERTICAL CROSS SECTION**

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT: **ENDURA**

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

NO.	DATE	REVISIONS
4	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/06/20	UPDATE TO 7th ED. (2020) FBC DAC
1	12/13/17	REVISE FRAME ANCHORING LFS

DATE: 5/26/16

SCALE: N.T.S.

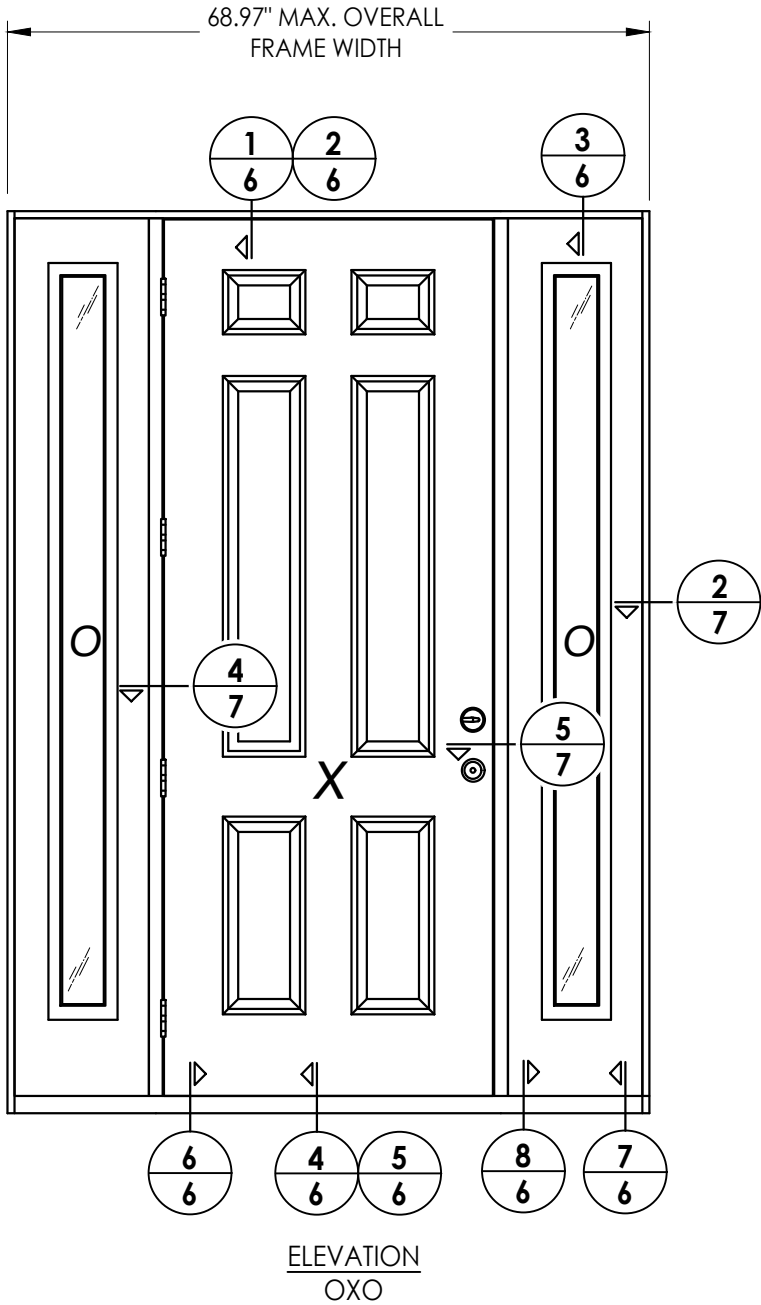
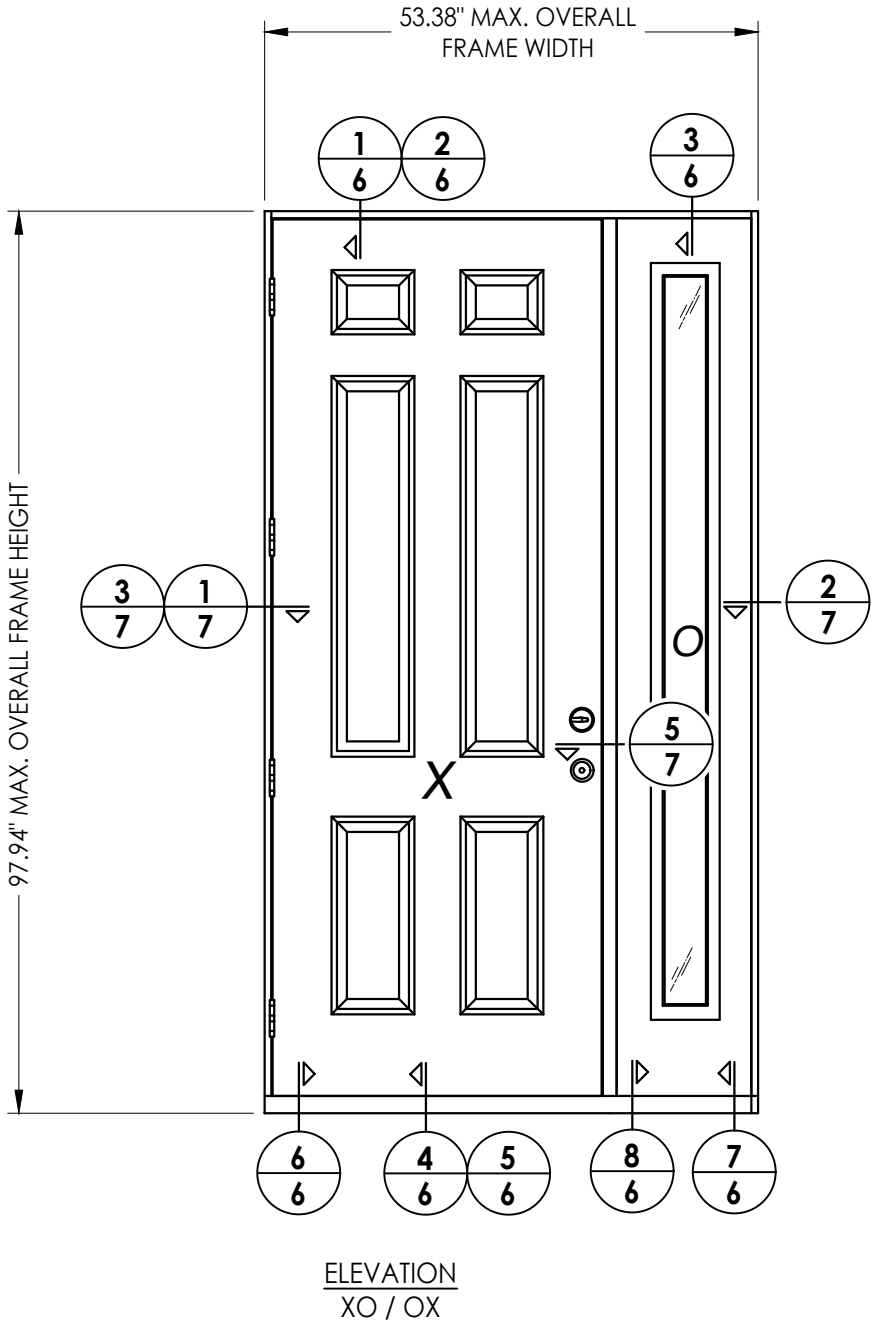
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-20698.19

SHEET 4 OF 10

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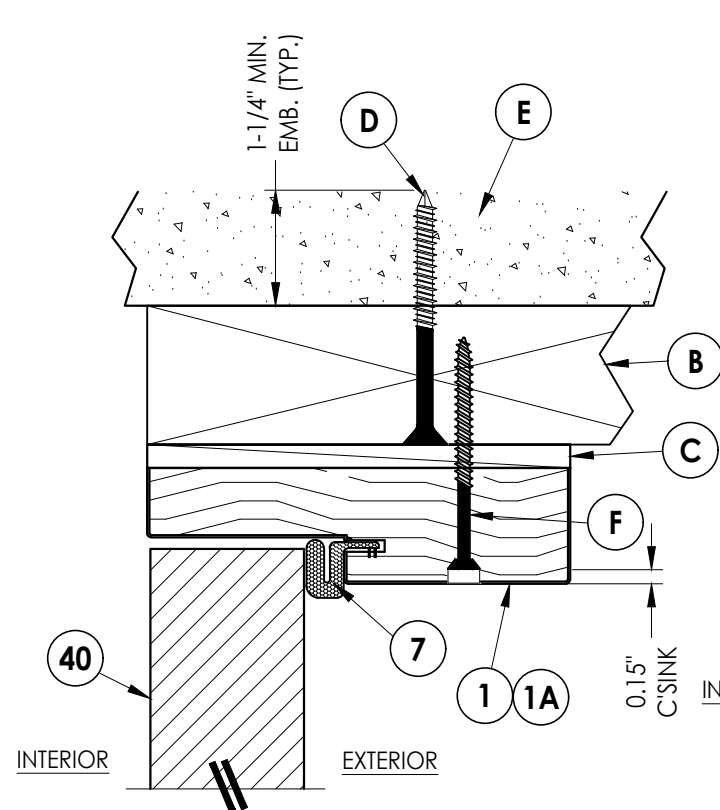
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3	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/06/20	UPDATE TO 7th ED. (2020) FBC DAC
1	12/13/17	REVISE FRAME ANCHORING LFS

DATE: 5/26/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-20698.19
SHEET 5 OF 10

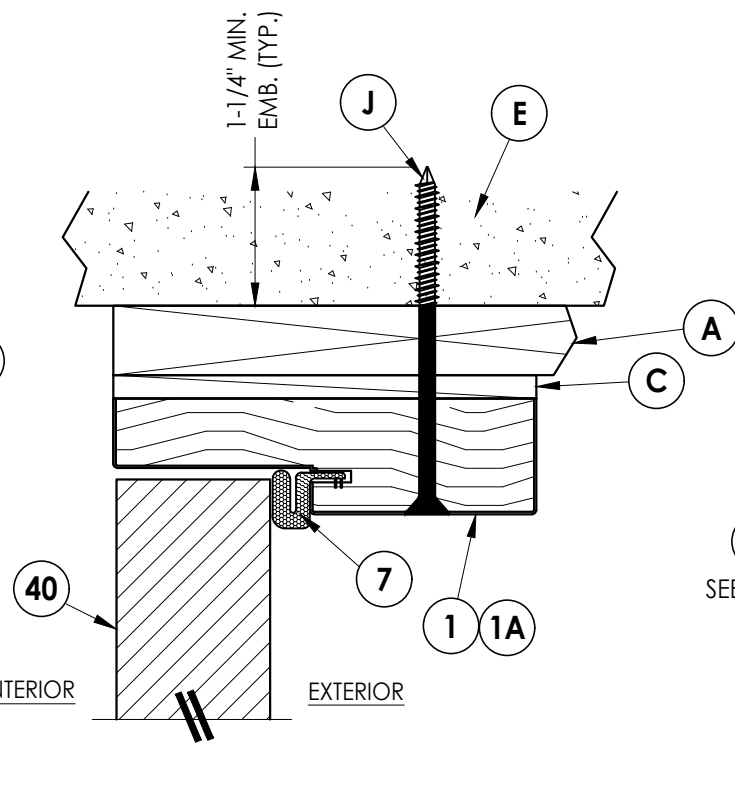
PRODUCT:	ENDURA
PART OR ASSEMBLY:	ELEVATIONS

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

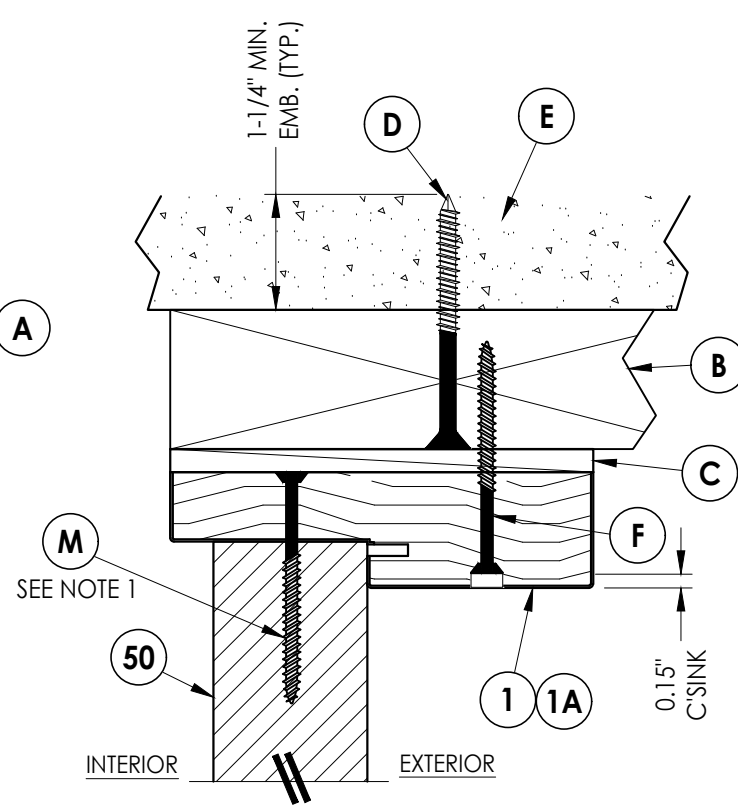
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



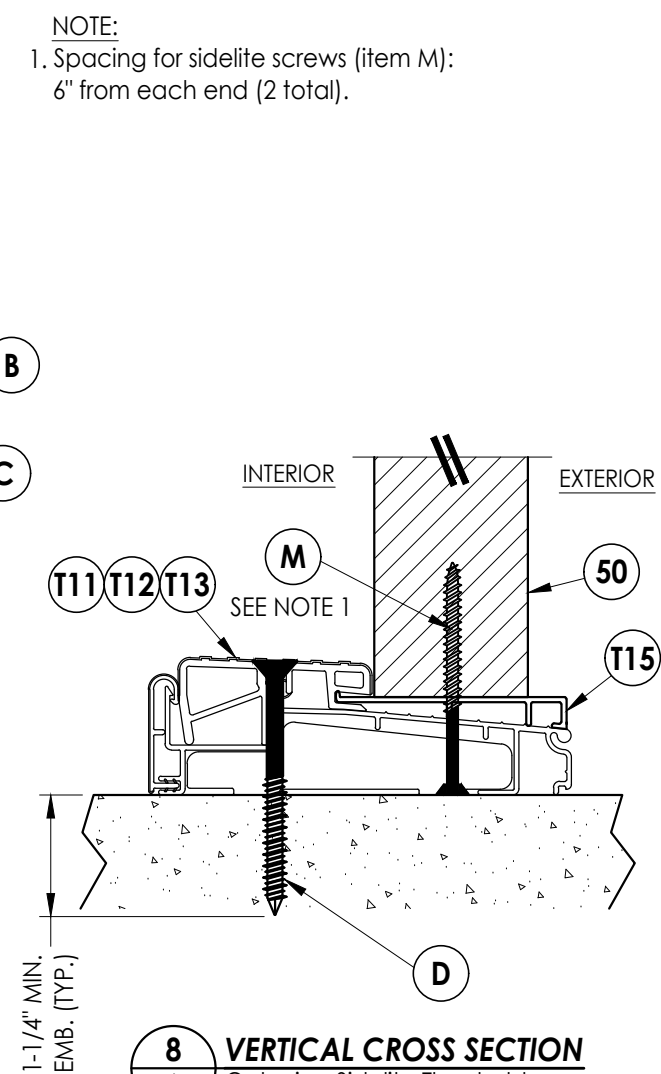
1 **VERTICAL CROSS SECTION**
6 Inswing shown (Outswing similar)
 2X Buck Construction



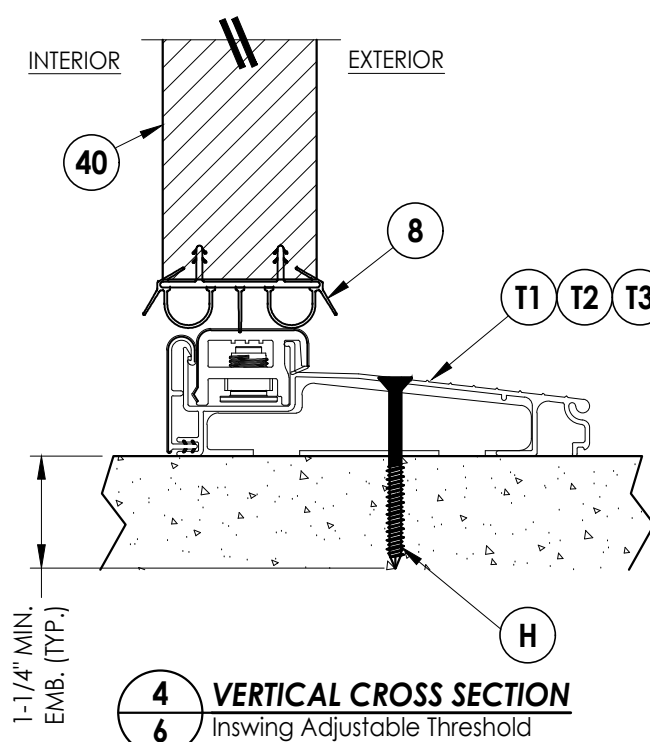
2 **VERTICAL CROSS SECTION**
6 Inswing shown (Outswing similar)
1X Buck Construction



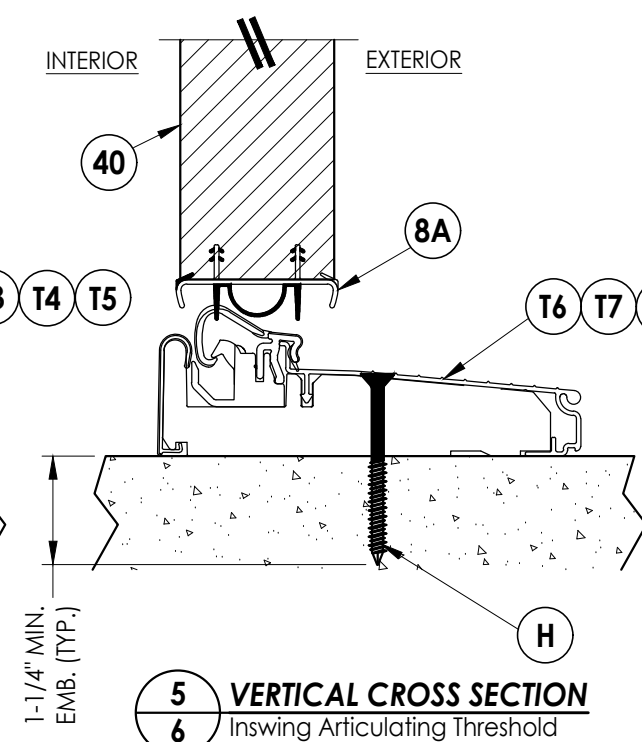
3 **VERTICAL CROSS SECTION**
6 Inswing shown (Outswing similar)
 2X Buck Construction



8 **VERTICAL CROSS SECTION**
6 Outswing Sidelite Threshold

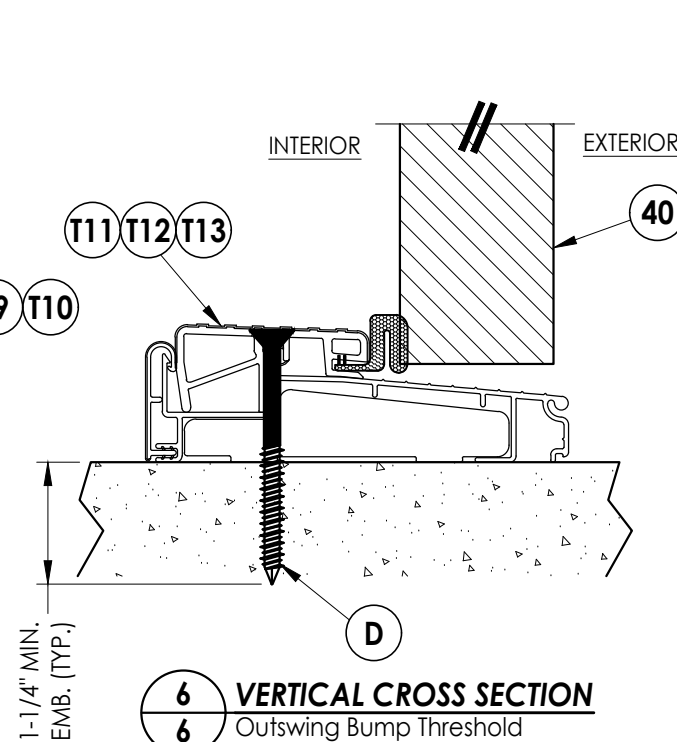


4 6 **VERTICAL CROSS SECTION** Inswing Adjustable Threshold

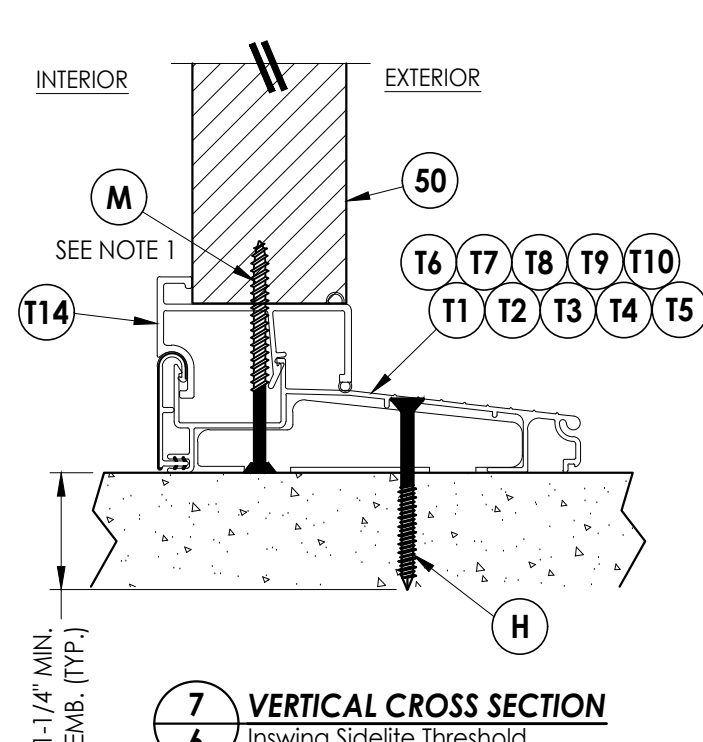


5 VERTICAL CROSS SECTION

6 Inswing Articulating Threshold



6 VERTICAL CROSS SECTION
 6 Outswing Bump Threshold



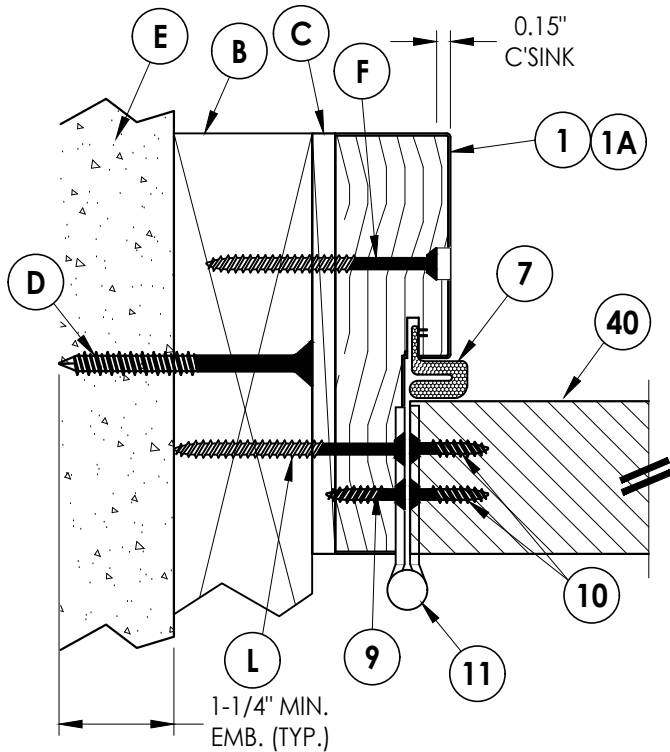
7 VERTICAL CROSS SECTION
6 Inswing Sidelite Threshold

NOTE:

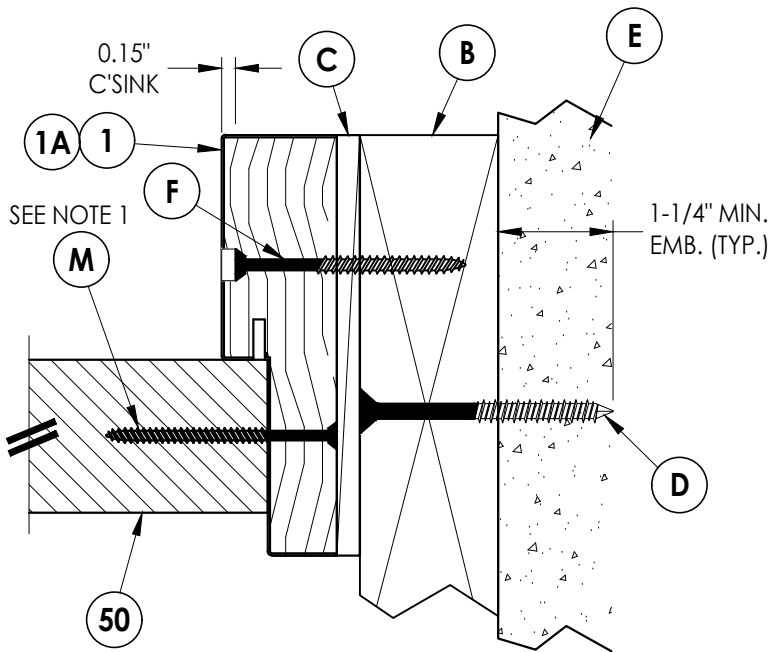
1. Spacing for sidelite screws (item M):
6" from each end (2 total).

DATE: 5/26/16		DWG. BY: JK		CHK. BY: LFS		DRAWING NO.: FL-20698.19	
SCALE: N.T.S.		SHEET 6 OF 10		REVISIONS		REVISE FRAME ANCHORING	
7/02/26		7/06/23		8/06/20		12/13/17	
UPDATE TO 9TH ED. (2026)		UPDATE TO 8TH ED. (2023)		UPDATE TO 7th ED. (2020)		REVISE FRAME ANCHORING	
FBC		FBC		FBC		FBC	
LFS		LFS		DAC		LFS	
BY		BY		BY		BY	
ENDURA		PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS		BUILDING CONSULTANTS, INC.	
Lyndon F. Schmidt		P.O. Box 230, Valrico, FL 33595		Phone No.: 813.659.9197		FBPE Registry No. 9813	
P.E. No. 43409		R _N		Documents Prepared By:		Documents Prepared By:	

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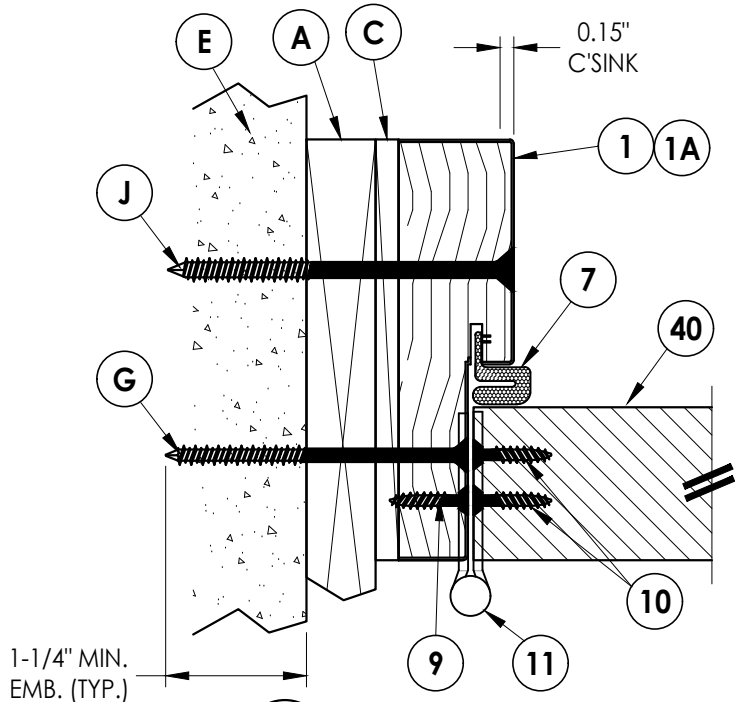


1
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

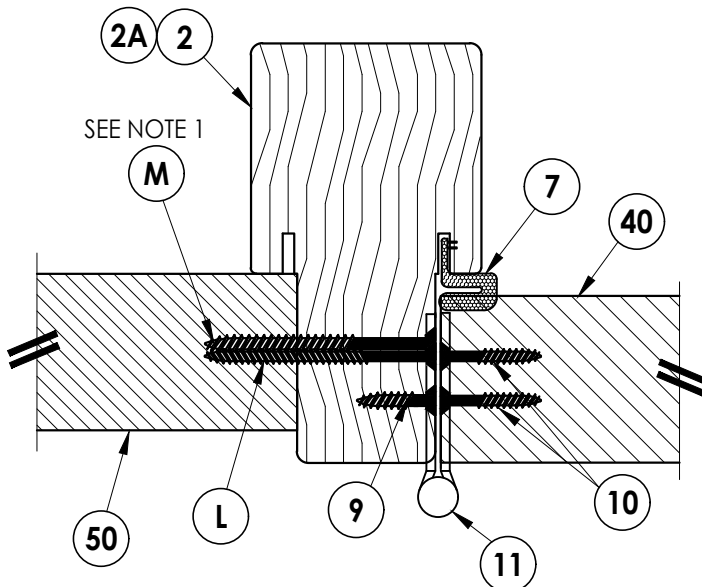


2
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

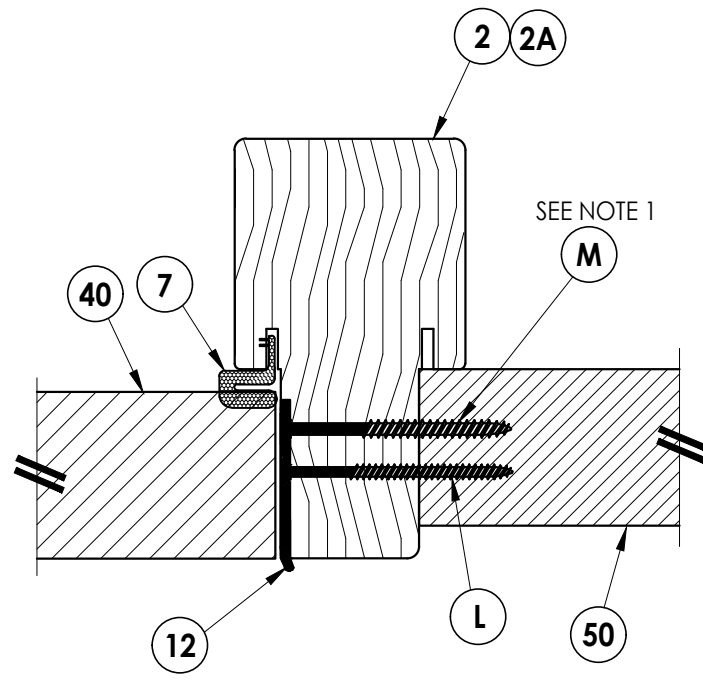
NOTE:
1. Spacing for sidelite screws (item M): 6.5", 32.5",
57.25" and 85" from head to sill (4 total).



3
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
1X Buck Construction



4
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)



5
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)

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: **ENDURA**

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
4	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	8/06/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
1	12/13/17	REVISE FRAME ANCHORING	LFS	BY	

DATE: 5/26/16

SCALE: N.T.S.

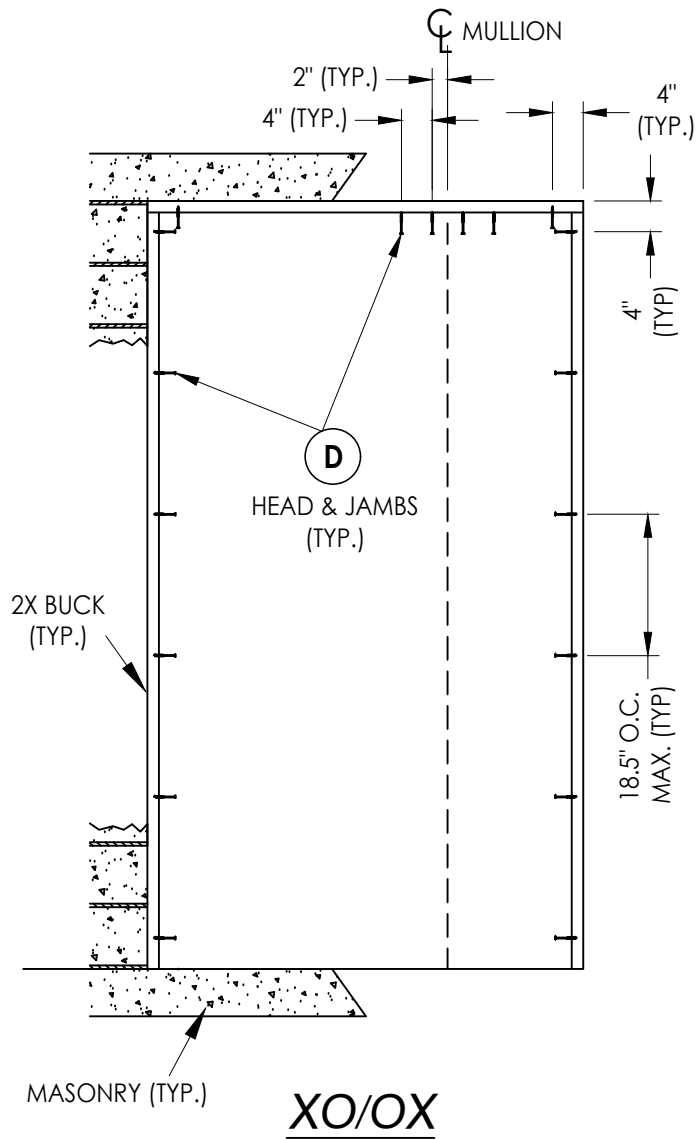
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DRAWING NO.: FL-20698.19

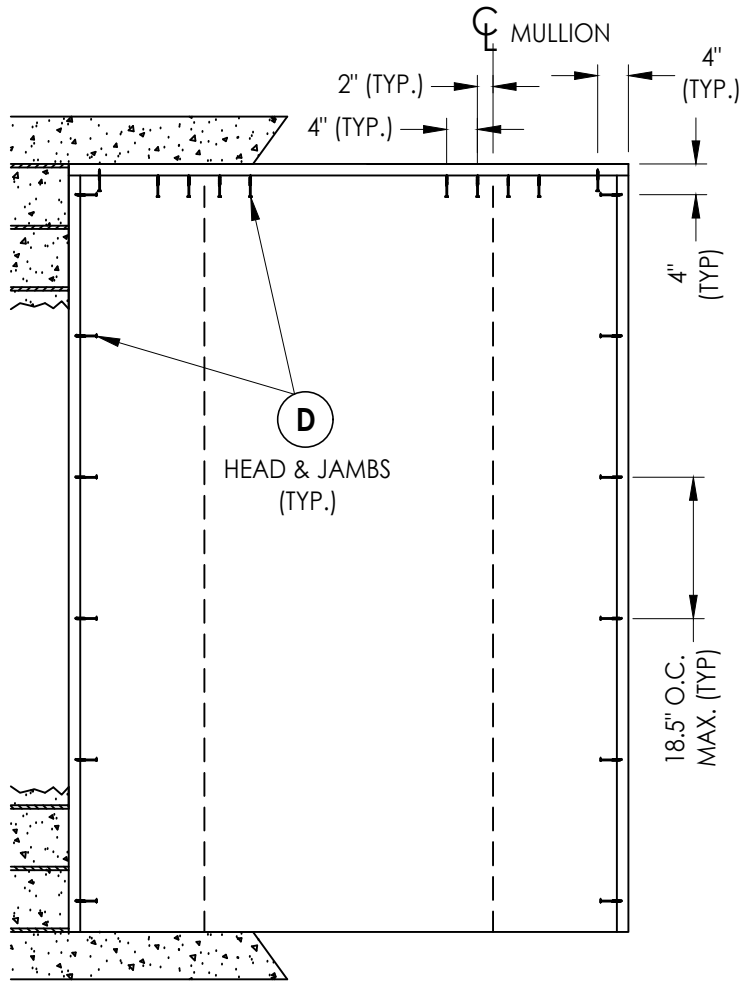
SHEET 7 OF 10

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XO/OX

2X BUCK ANCHORING



OXO

NO.	DATE	REVISIONS			
4	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	8/06/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
1	12/13/17	REVISE FRAME ANCHORING		LFS	

DATE: 5/26/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-20698.19

SHEET 8 of 10

PRODUCT:

ENDURA

PART OR ASSEMBLY:

BUCK ANCHORING

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

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

