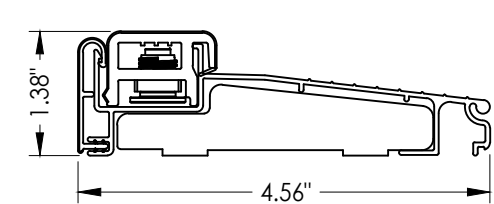
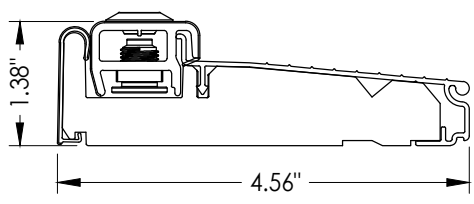


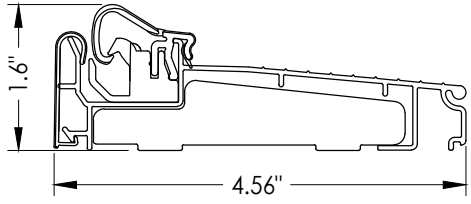
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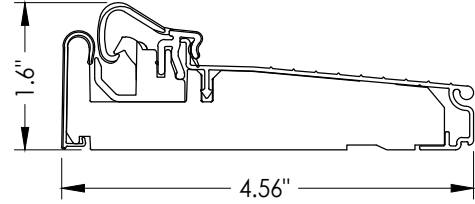
T1 INSWING ADJUSTABLE THRESHOLD
ZAIL4565



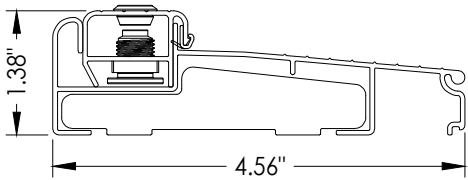
T2 INSWING ADJUSTABLE THRESHOLD
ZAI4565FN



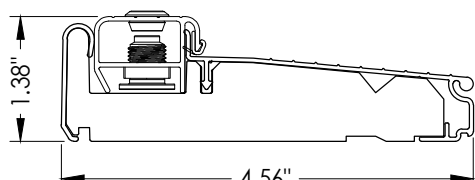
T6 INSWING ARTICULATING THRESHOLD
ZACL4565



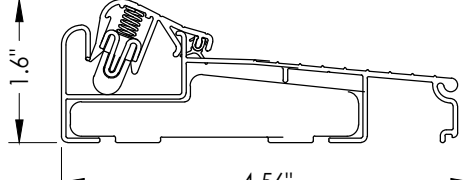
T7 INSWING ARTICULATING THRESHOLD
ZAC4565FN



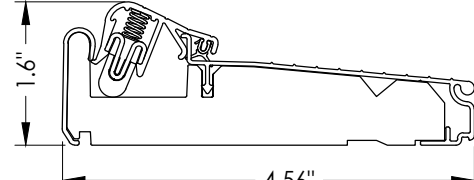
T3 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



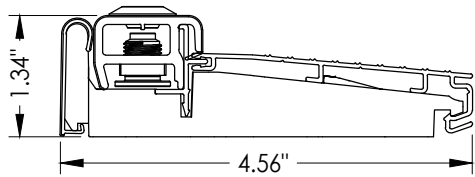
T4 INSWING ADJUSTABLE THRESHOLD
ZIAAA4565FN



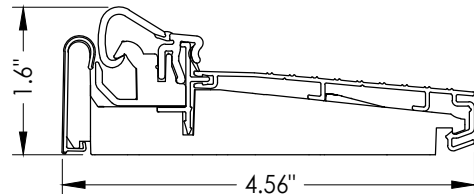
T8 INSWING ARTICULATING THRESHOLD
ZACLAA4565



T9 INSWING ARTICULATING THRESHOLD
ZACAA4565FN



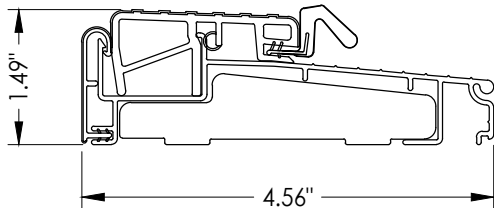
T5 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS



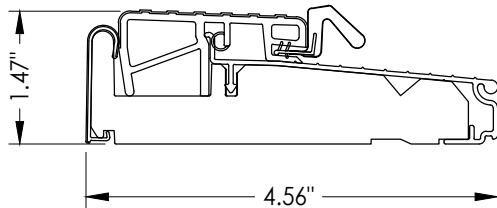
T10 INSWING ARTICULATING THRESHOLD
ZAC4565RDS

INSWING ADJUSTABLE THRESHOLD				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
PLASTPRO OPAQUE FIBERGLASS	OX / XO	74.75" X 97.94"	+45.0	-45.0
	OXO	112.2" X 97.94"		

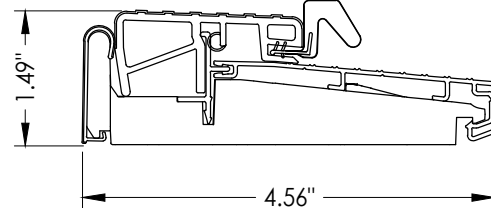
INSWING ARTICULATING THRESHOLD				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
PLASTPRO OPAQUE FIBERGLASS	OX / XO	74.75" X 97.94"	+45.0	-45.0
	OXO	112.2" X 97.94"		



T11 OUTSWING THRESHOLD
ZOBL4565



T12 OUTSWING THRESHOLD
ZOB4565FN



T13 OUTSWING THRESHOLD
ZOB4565RDS

OUTSWING FIXED BUMPER THRESHOLD				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
PLASTPRO OPAQUE FIBERGLASS	OX / XO	74.75" X 97.13"	+40.0	-40.0
	OXO	112.2" X 97.13"		

NOTE:

All thresholds are to be installed continuous throughout. The thresholds with the FN designation are manufactured in maximum 72" lengths and therefore may be used only in the OX or XO configurations or in the OXO configuration with smaller (14") sidelites.

Documents Prepared By:
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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: ENDURA

PART OR ASSEMBLY:
Z SERIES THRESHOLD DETAILS
& DESIGN PRESSURES

NO.	DATE	REVISIONS			
		BY	DATE	DESCRIPTION	REVISIONS
4	7/02/26	LFS		UPDATE TO 9TH ED. (2026)	FBC
3	7/06/23	LFS		UPDATE TO 8TH ED. (2023)	FBC
2	8/06/20	DAC		UPDATE TO 7TH ED. (2020)	FBC
1	9/07/17	LFS		UPDATE TO 6TH ED. (2017)	FBC

DATE: 5/26/16

SCALE: N.T.S.

DWG. BY: JK

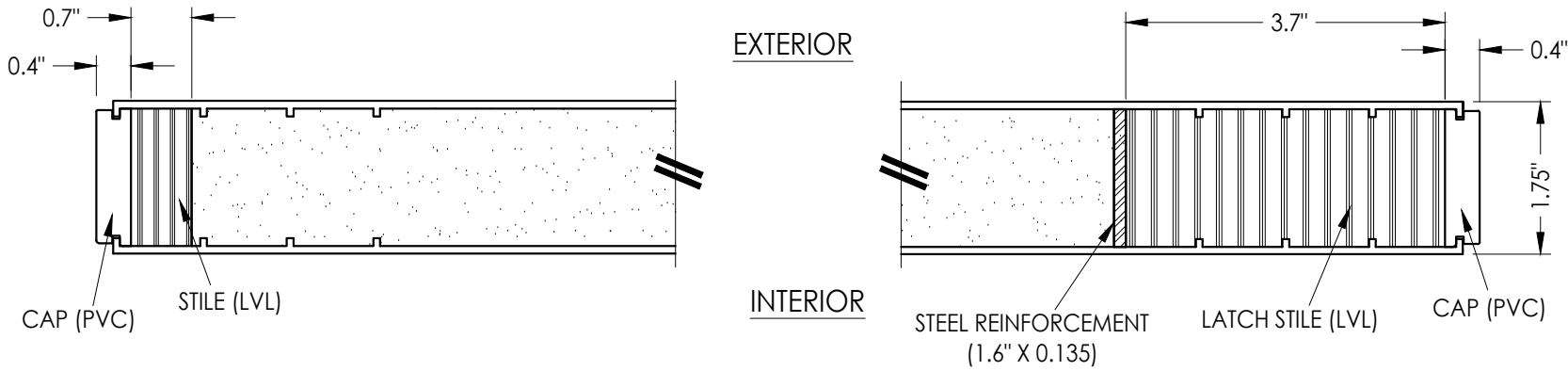
CHK. BY: LFS

DRAWING NO.:

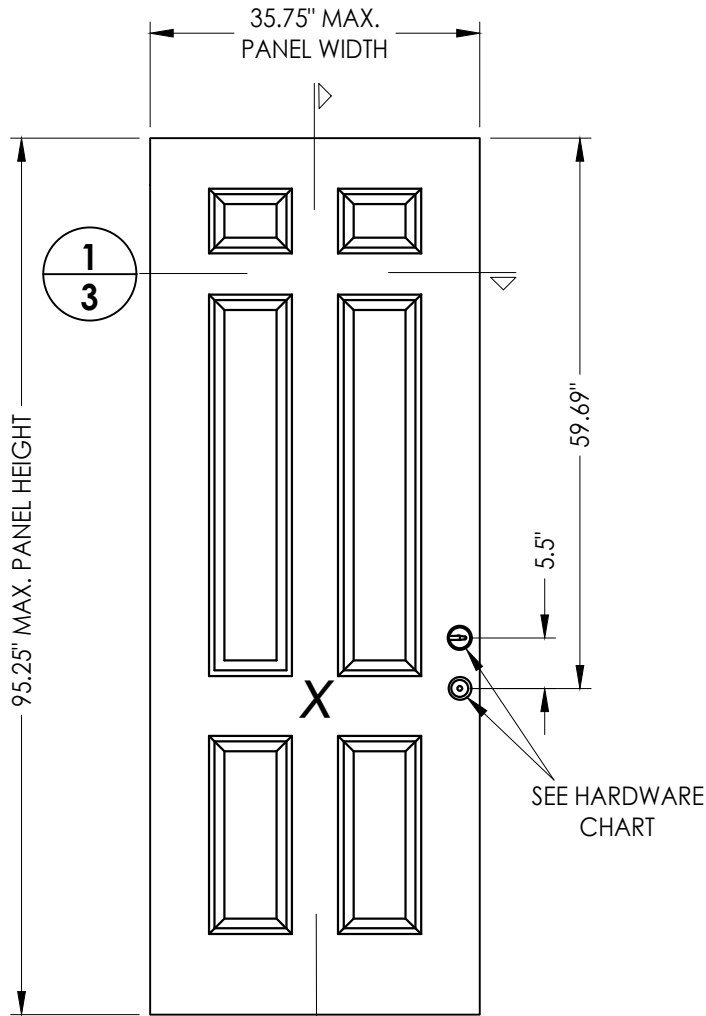
FL-20698.9

SHEET 2 OF 10

Z:\2023 FBC Drawings\Endura Products\FL-20698 R5\FL-20698.9-10.dwg

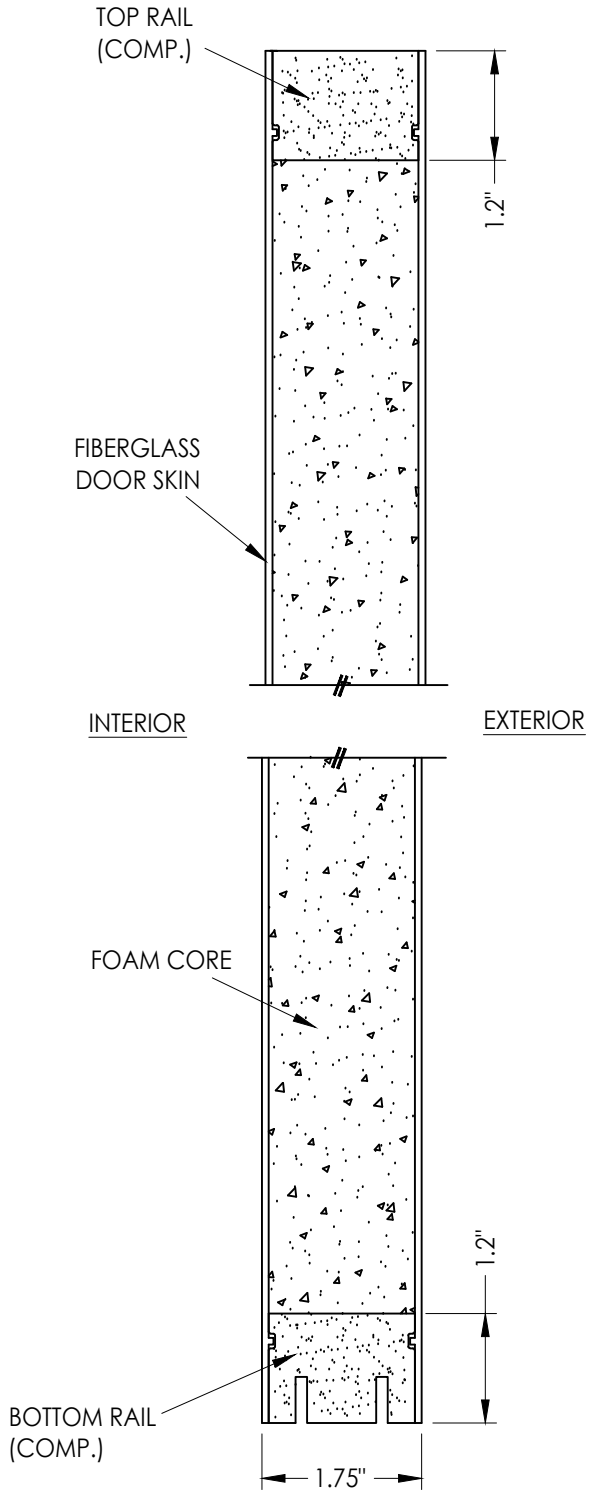


1
3 **HORIZONTAL CROSS SECTION**



2
3 **DOOR PANEL**
Plastpro
Fiberglass

DOOR LOCK HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)

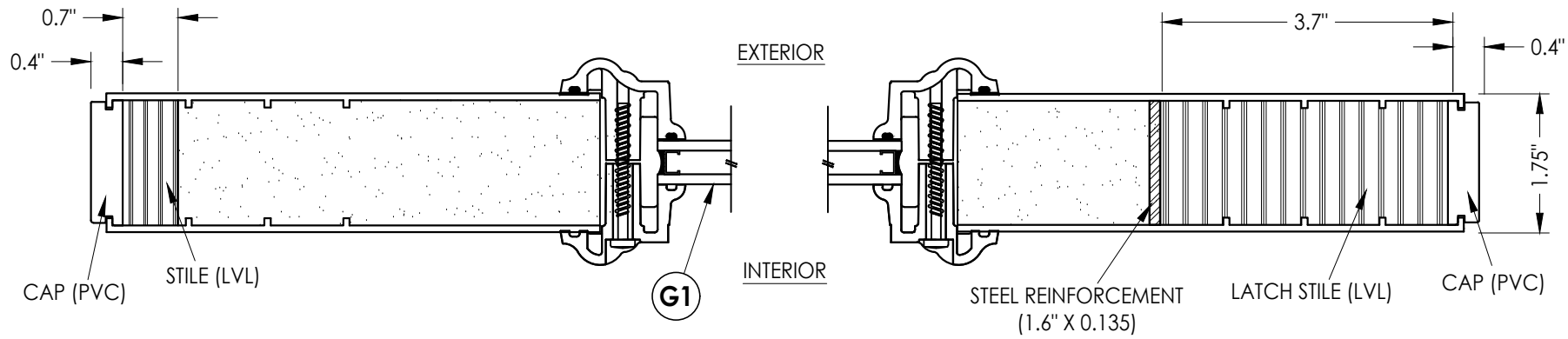


2
3 **VERTICAL CROSS SECTION**

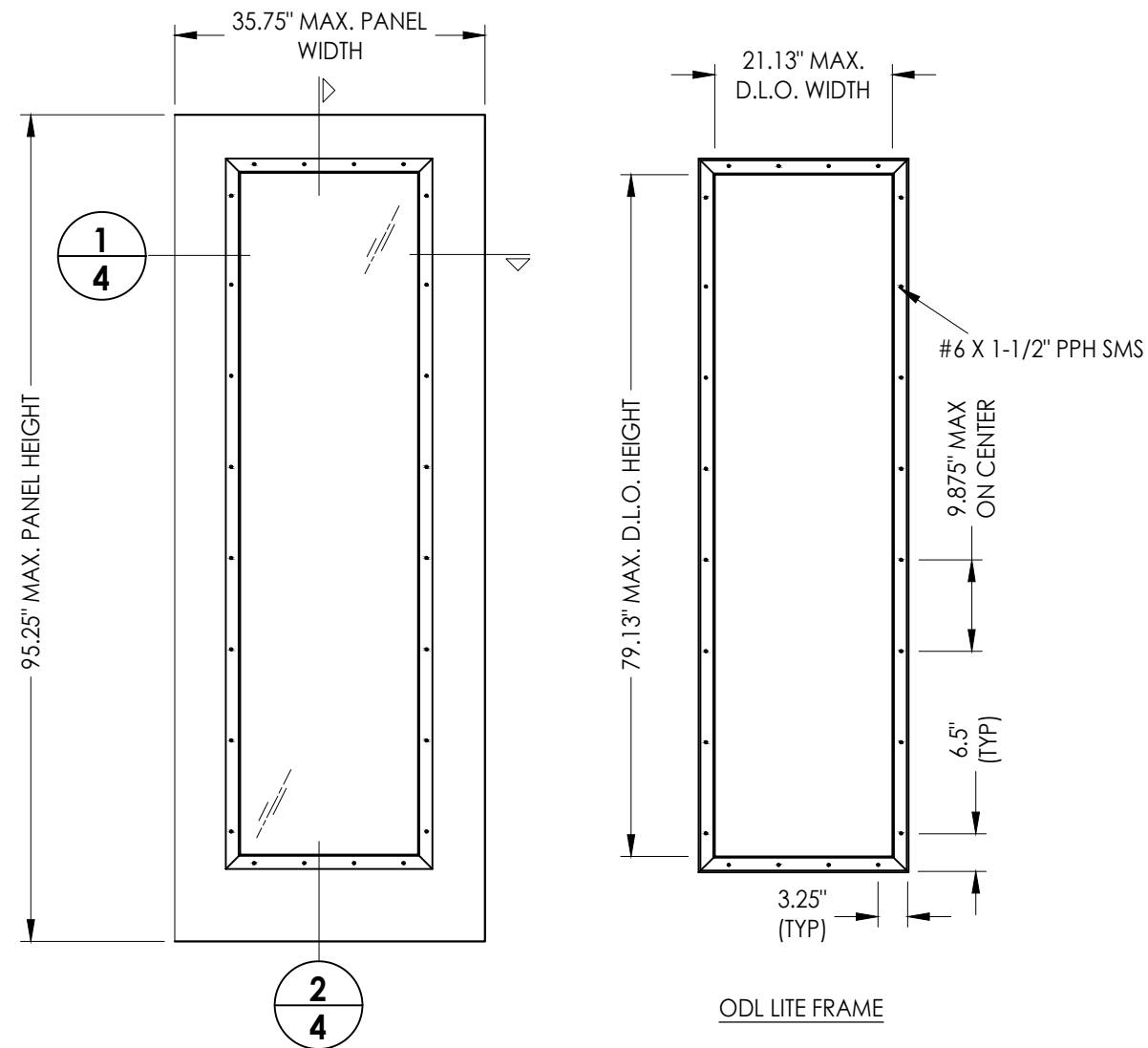
DOOR SKIN: FIBERGLASS (0.075" MIN. THICKNESS)
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)

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: DOOR PANEL DETAILS	
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	9/07/17	UPDATE TO 6TH ED. (2017) FBC	LFS
NO.	DATE		BY
REVISIONS			
DATE: 5/26/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20698.9			
SHEET 3 OF 10			

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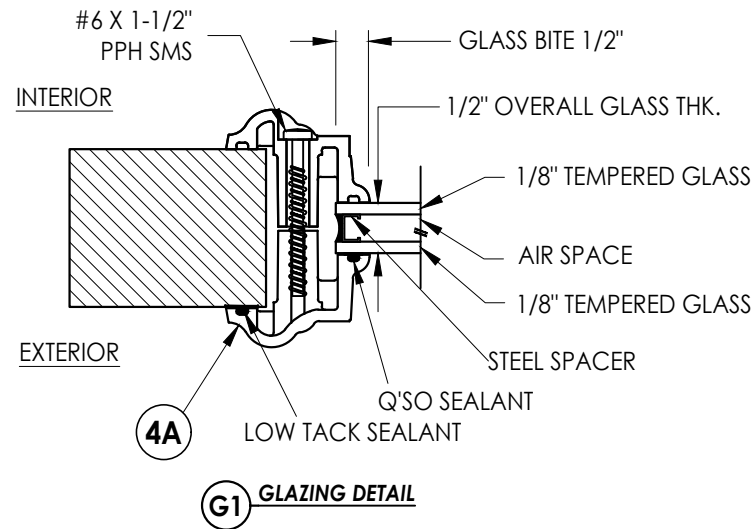


1
4 HORIZONTAL CROSS SECTION

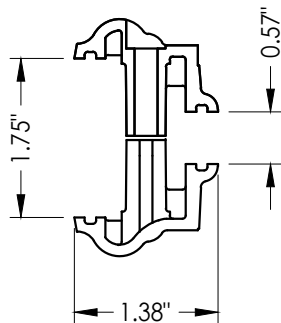


50 SIDELITE PANEL
Plastpro
Fiberglass

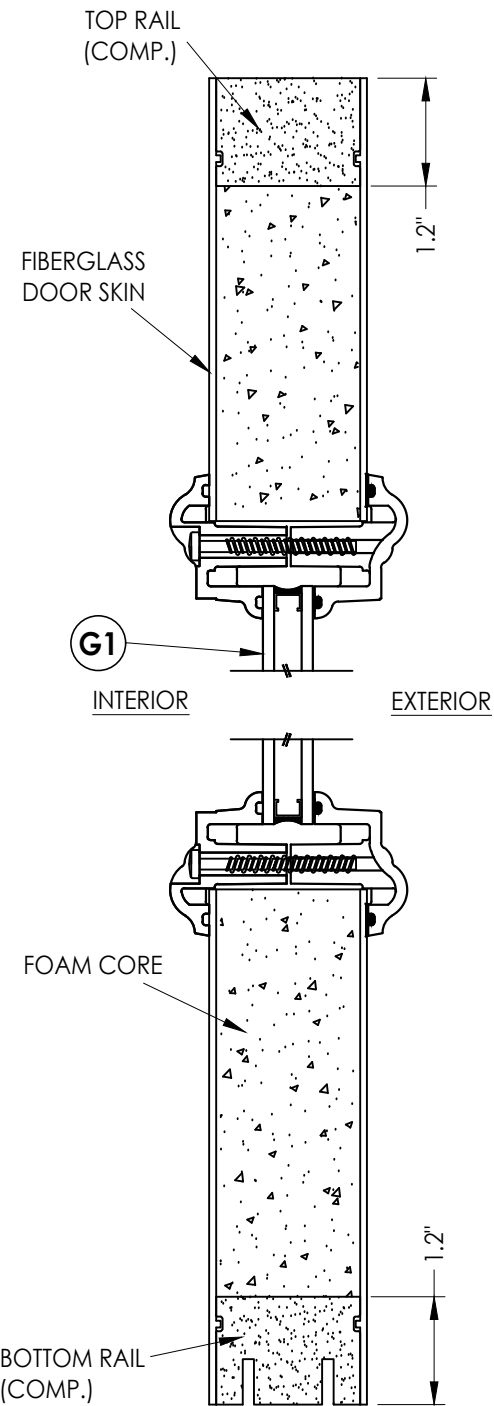
SIDELITE PANEL SKIN: FIBERGLASS (0.075" MIN. THICKNESS)
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)



G1 GLAZING DETAIL



4A ODL LITE FRAME
HP Polypropylene



2
4 VERTICAL CROSS SECTION

Documents Prepared By:
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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: 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	9/07/17	UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 5/26/16

SCALE: N.T.S.

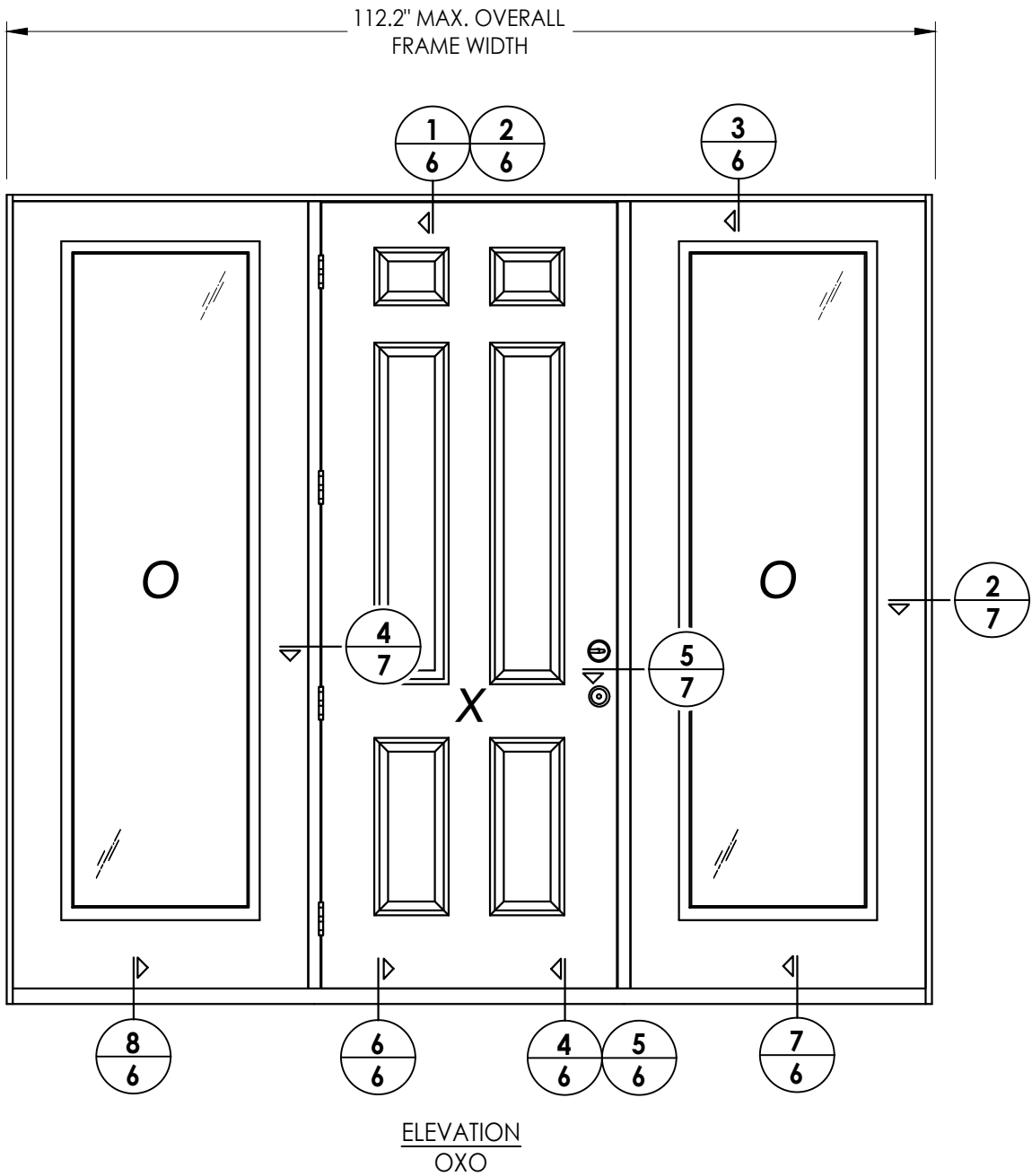
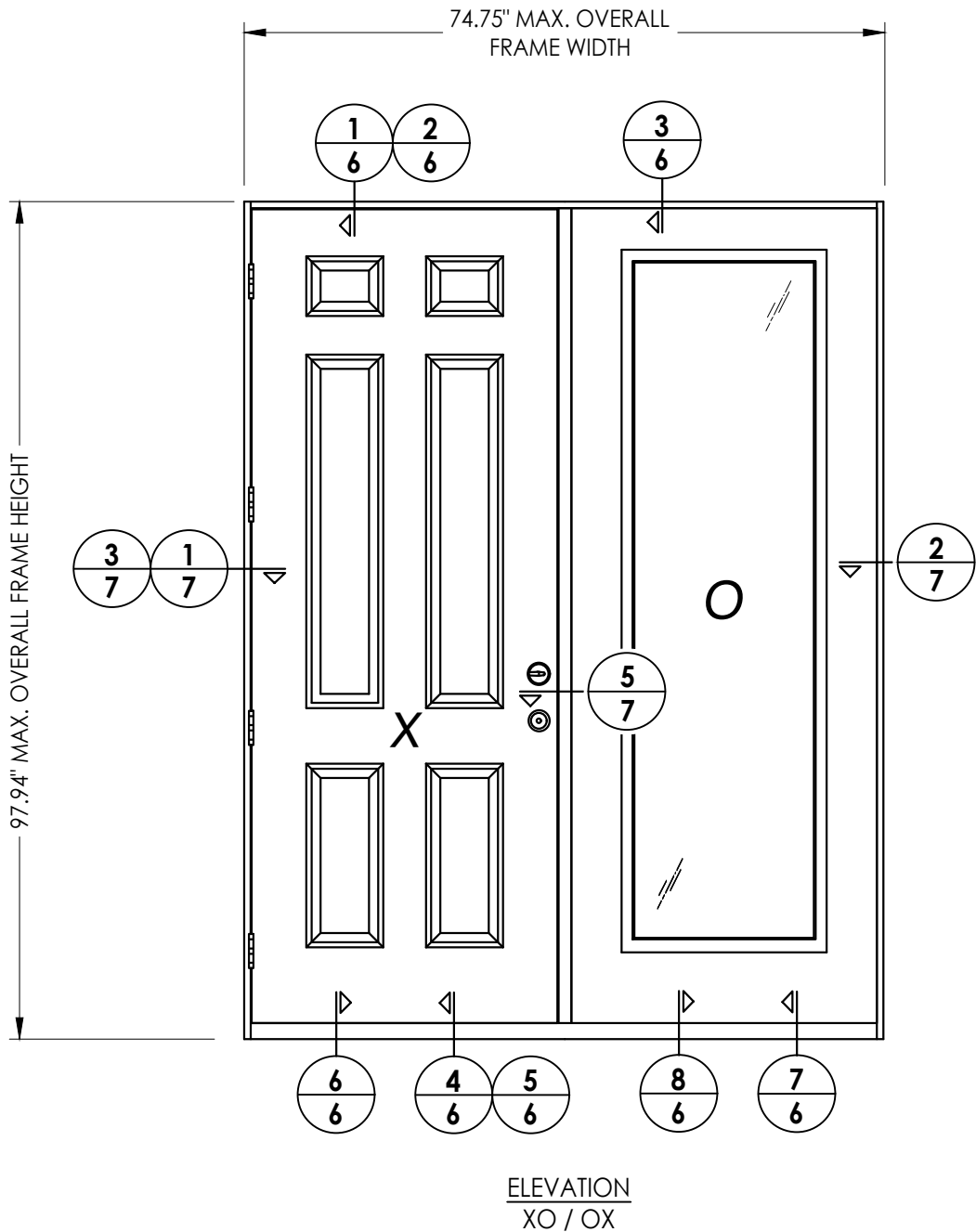
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20698.9

SHEET 4 OF 10

Z:\2023 FBC Drawings\Endura Products\FL-20698 R5\FL-20698.9-10.dwg



DATE: 5/26/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-20698.9
SHEET 5 OF 10

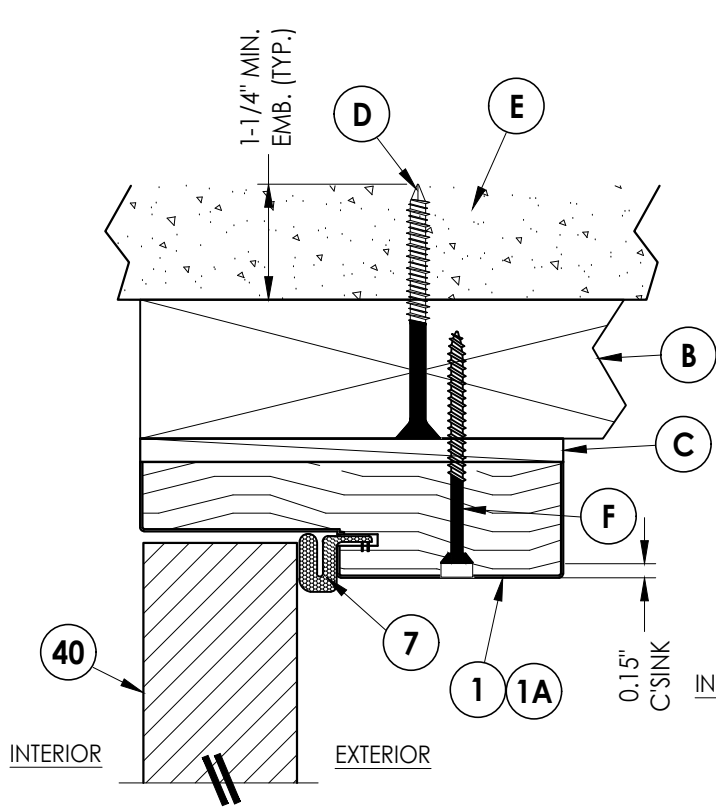
NO.	DATE	REVISIONS
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3	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/06/20	UPDATE TO 7TH ED. (2020) FBC DAC
1	9/07/17	UPDATE TO 6TH ED. (2017) FBC LFS

PRODUCT:	ENDURA
PART OR ASSEMBLY:	ELEVATIONS

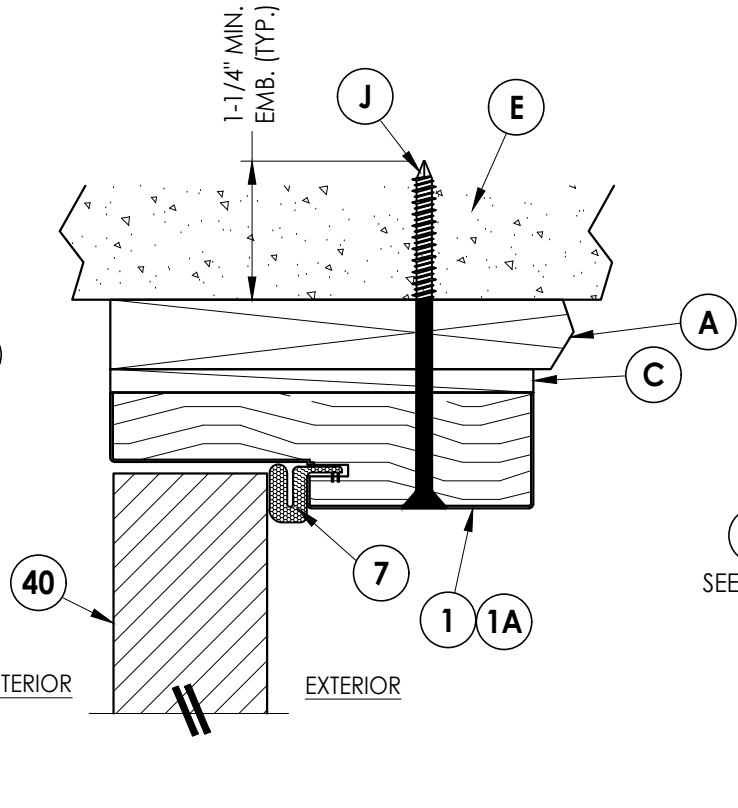
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

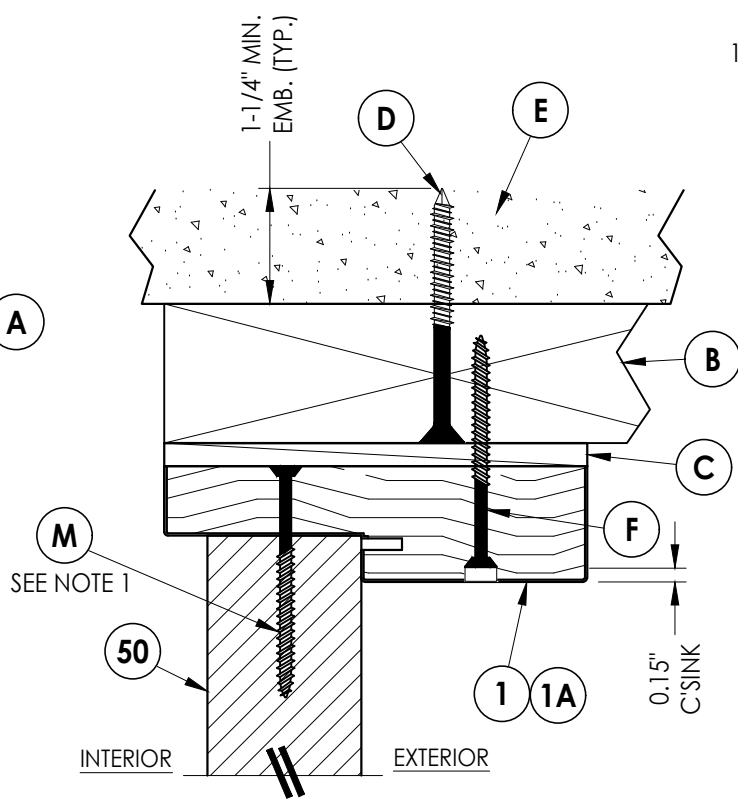
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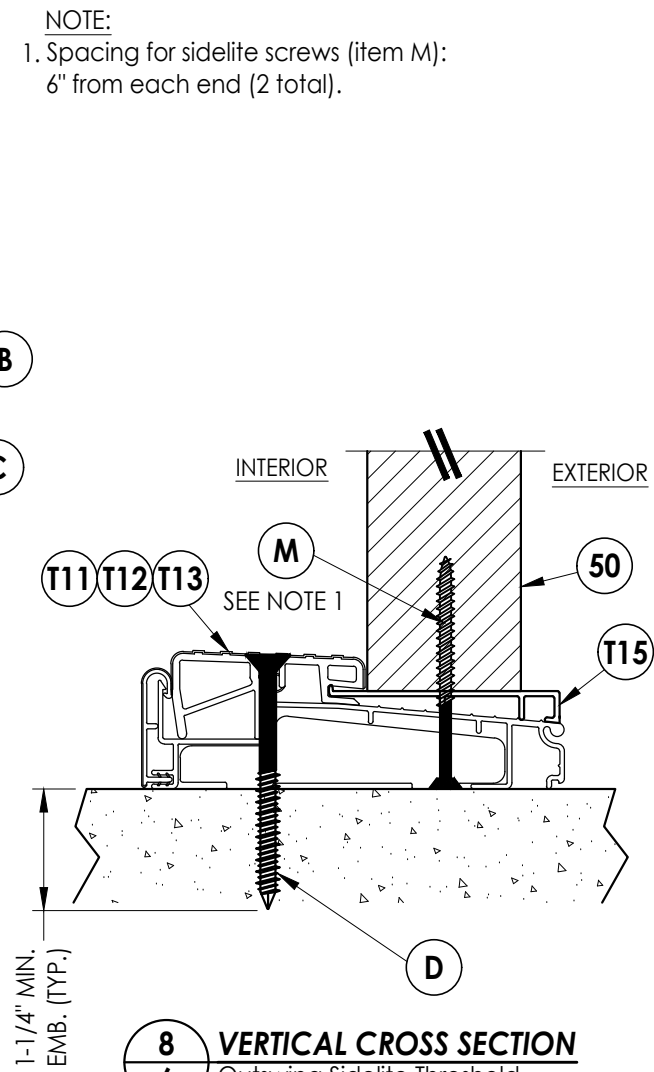
1
6 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction



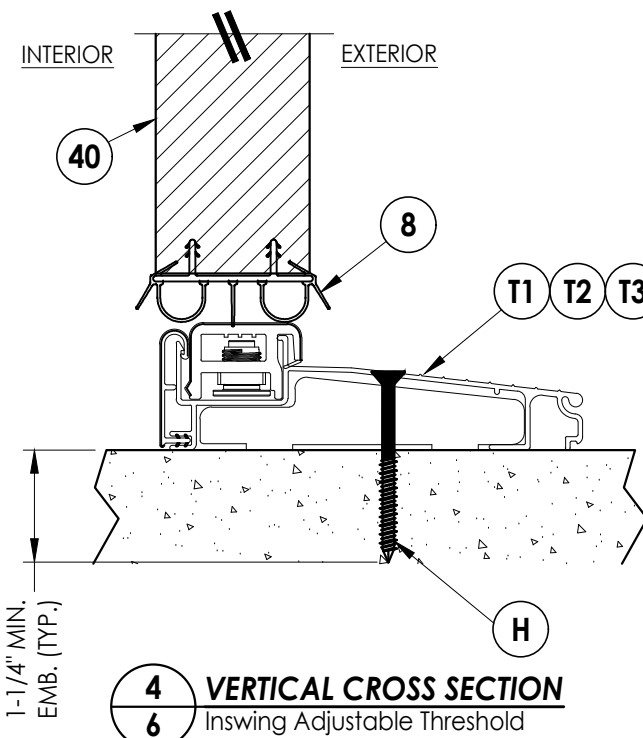
2
6 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
1X Buck Construction



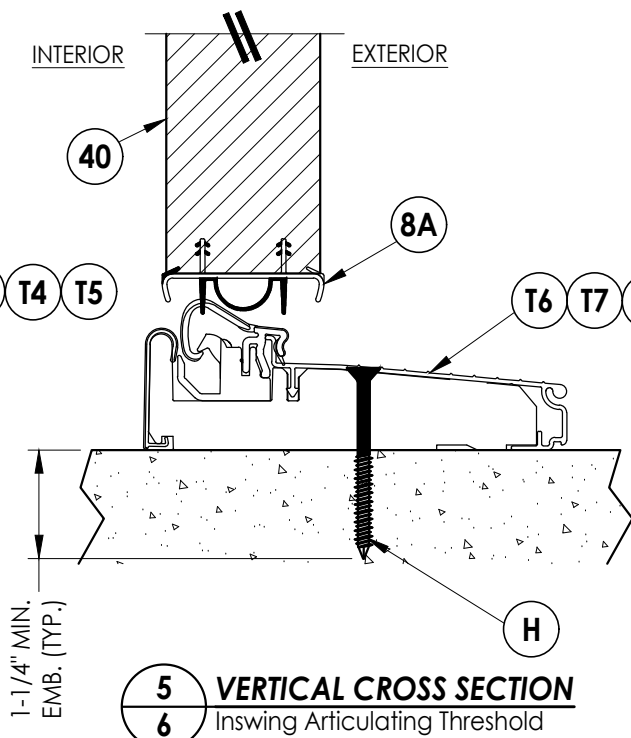
3
6 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction



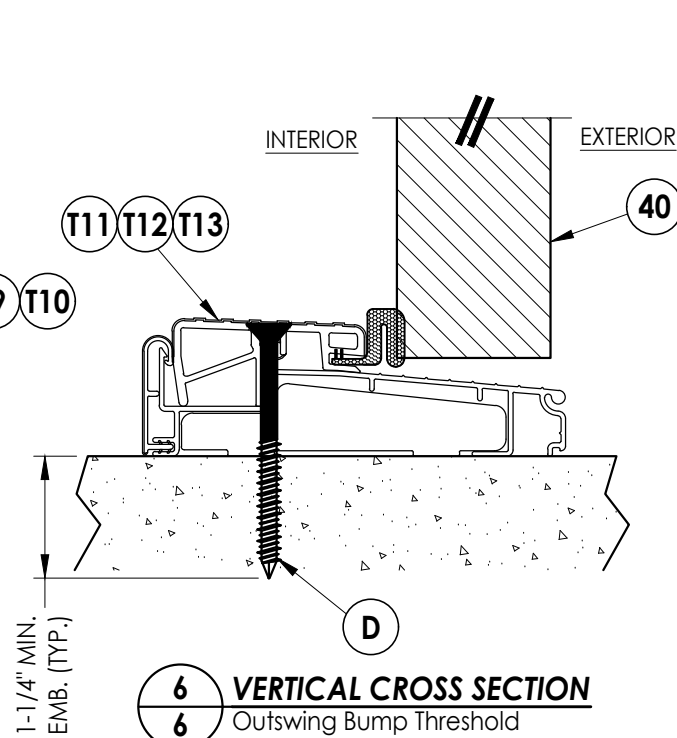
8
6 **VERTICAL CROSS SECTION**
Outswing Sidelite Threshold



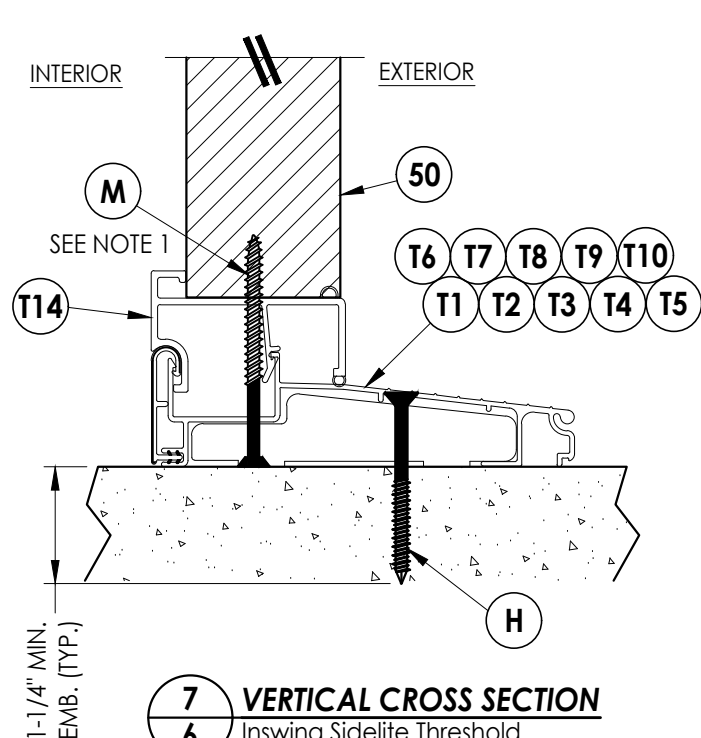
4
6 **VERTICAL CROSS SECTION**
Inswing Adjustable Threshold



5
6 **VERTICAL CROSS SECTION**
Inswing Articulating Threshold



6
6 **VERTICAL CROSS SECTION**
Outswing Bump Threshold



7
6 **VERTICAL CROSS SECTION**
Inswing Sidelite Threshold

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

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

PRODUCT: ENDURA

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS

						REVISIONS	
						NO.	DATE
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	9/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			

DATE: 5/26/16

SCALE: N.T.S.

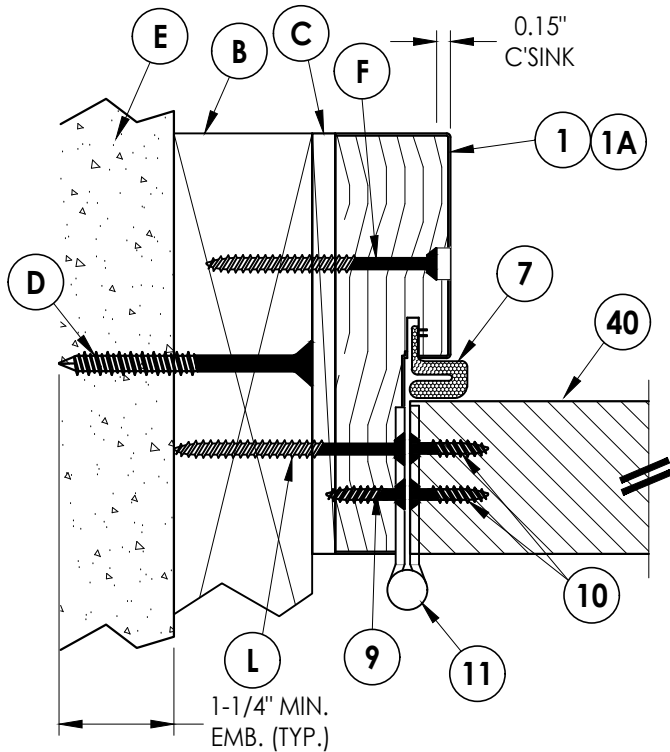
DWG. BY: JK

CHK. BY: LFS

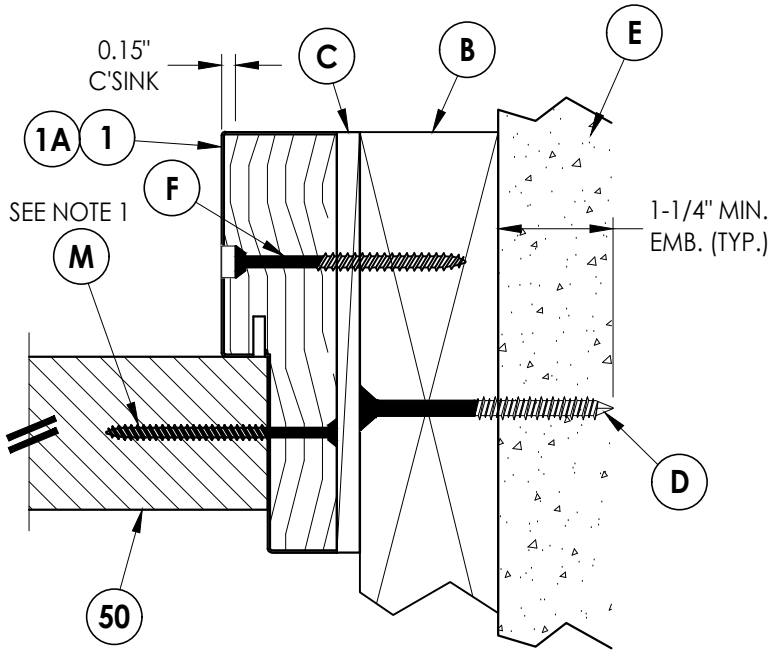
DRAWING NO.: FL-20698.9

SHEET 6 OF 10

Z:\2023 FBC Drawings\Endura Products\FL-20698 R5\FL-20698.9-10.dwg

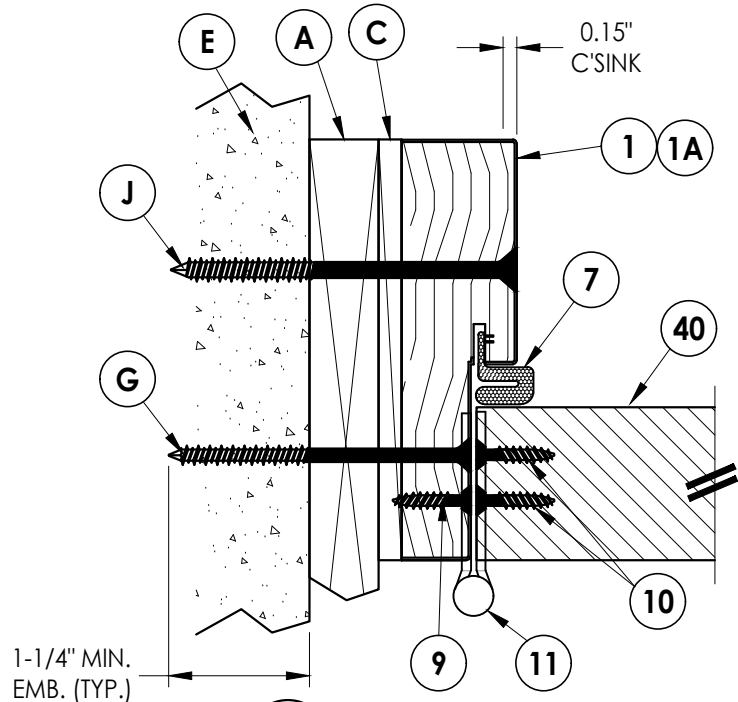


1
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

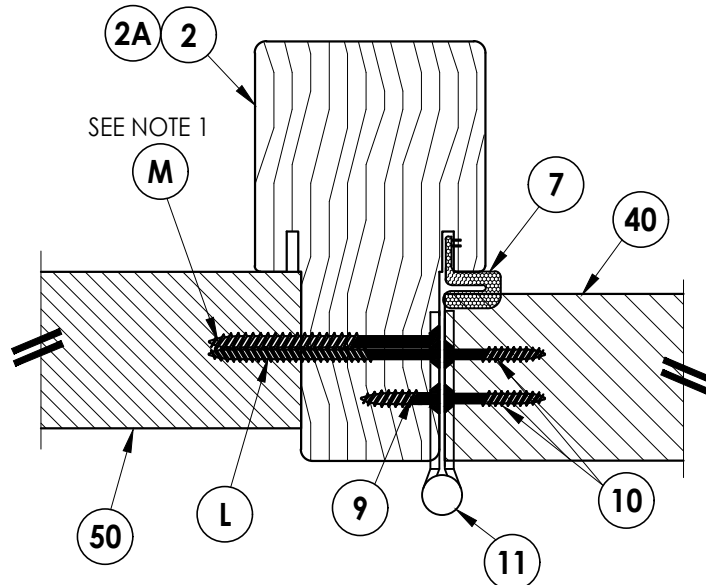


2
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

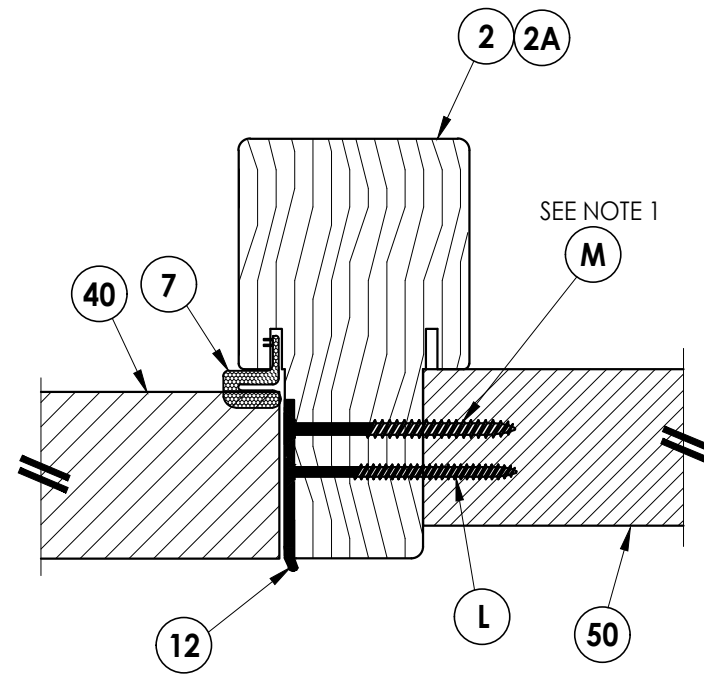
NOTE:
1. Spacing for sidelite screws (item M): 6.5", 32.5",
57.25" and 85" from head to sill (4 total).



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:
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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			
		NO.	DATE	BY	
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	9/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	

DATE: 5/26/16

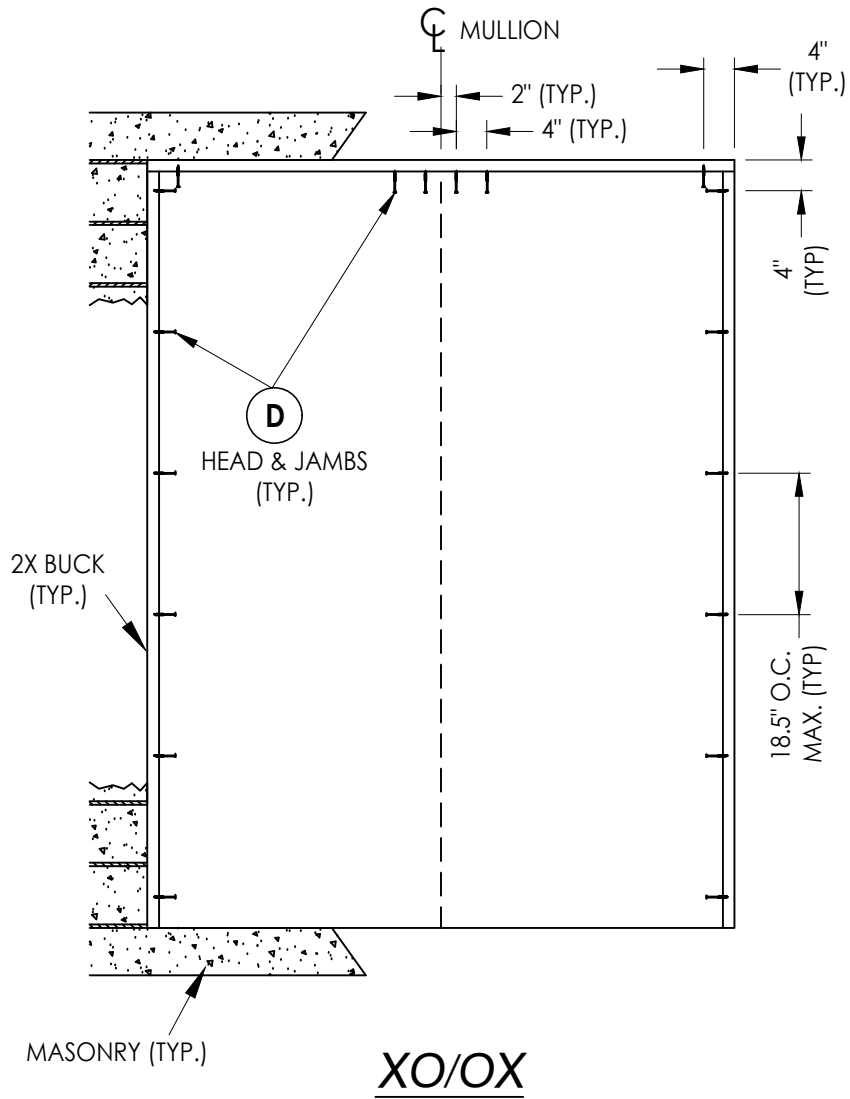
SCALE: N.T.S.

DWG. BY: JK

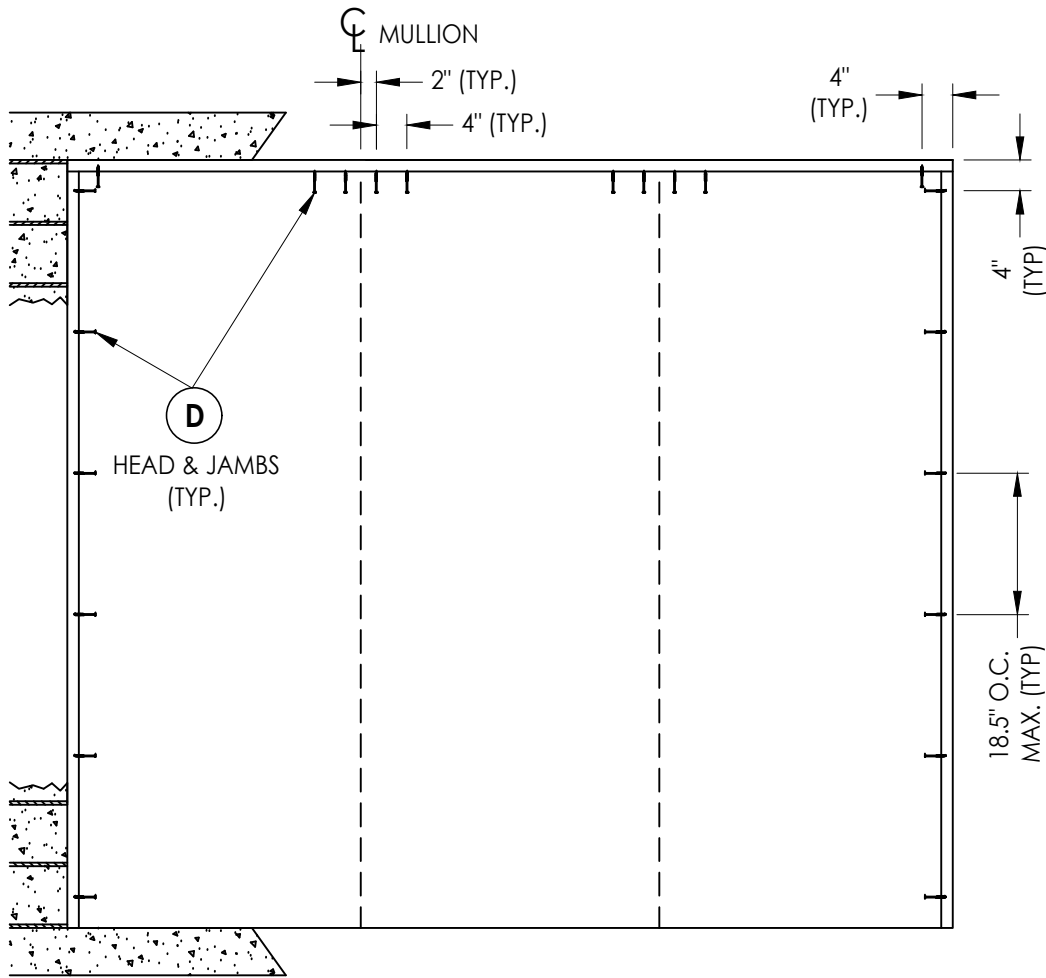
CHK. BY: LFS

DRAWING NO.: FL-20698.9

SHEET 7 OF 10



XO/OX



OXO

2X BUCK ANCHORING

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	9/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	

DATE: 5/26/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-20698.9

SHEET 8 OF 10

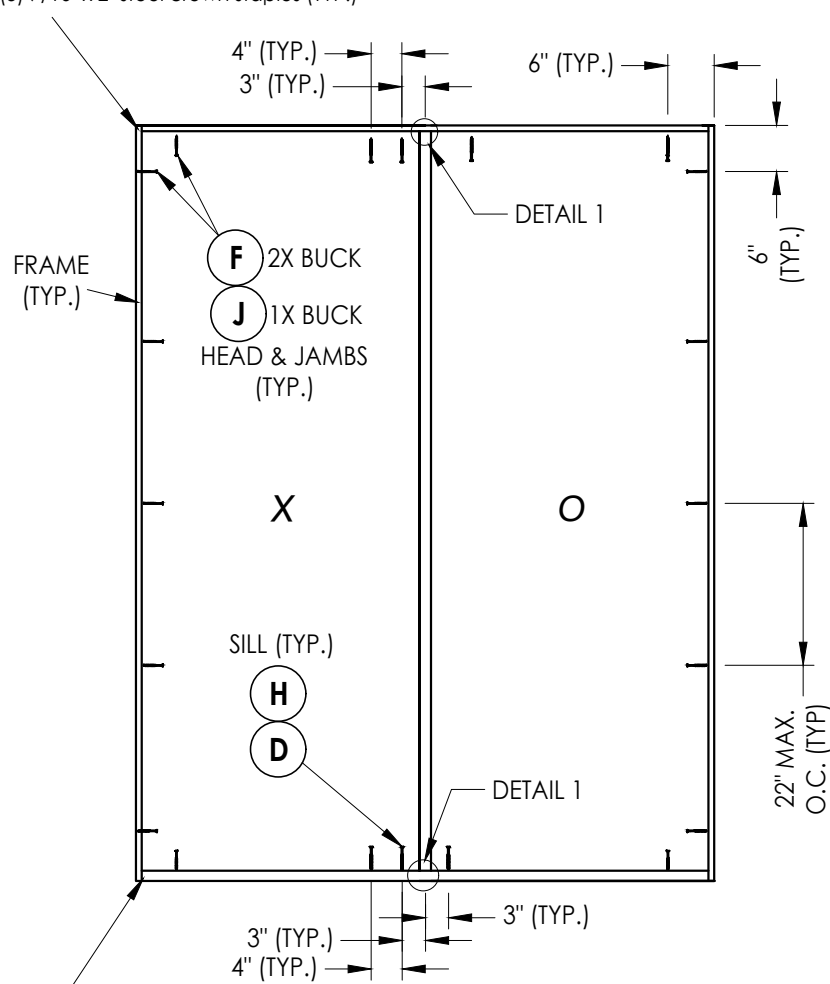
PRODUCT:	ENDURA
	PART OR ASSEMBLY: BUCK ANCHORING

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

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The head is attached to the jamb w/
(3) 7/16" x 2" steel crown staples (TYP.)

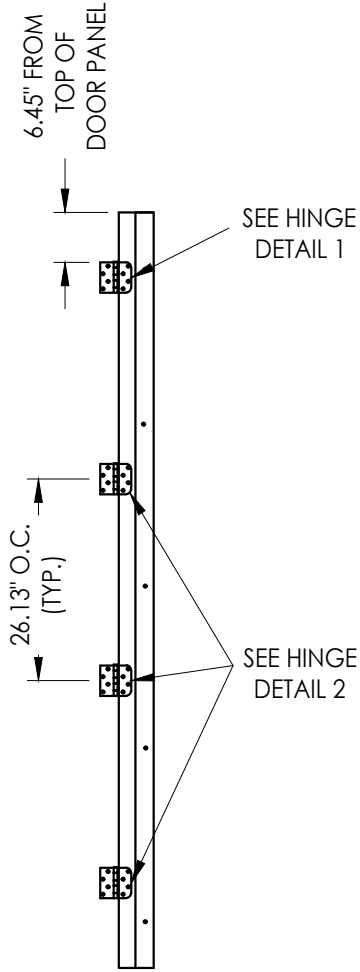


The threshold is attached to the jamb
w/ (3) 7/16" x 2" steel crown staples &
(1) #8 x 1-5/8" wood screw (TYP.)

FRAME ANCHORING

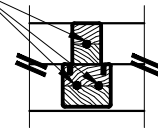
CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.



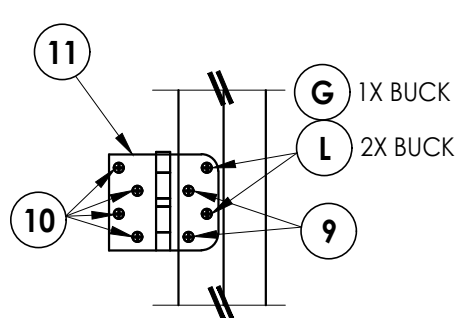
HINGE JAMB

#8 X 2-1/2" COURSE
THREAD
DRYWALL SCREW

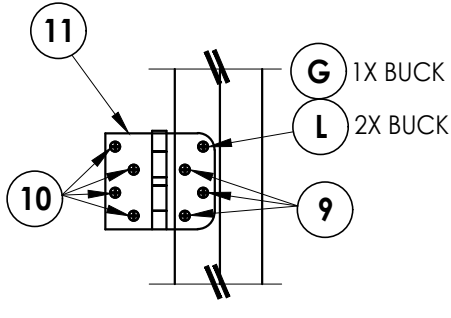


DETAIL 1

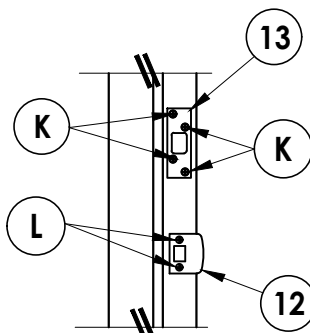
Integral mullion attachment



HINGE DETAIL 1



HINGE DETAIL 2



LATCH & DEADBOLT STRIKE PLATE DETAILS

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 BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	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

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

PRODUCT: ENDURA

PART OR ASSEMBLY:
FRAME ANCHORING
& HARDWARE 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	9/07/17	UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 5/26/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20698.9

SHEET 9 OF 10

