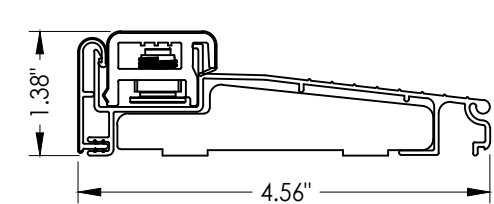
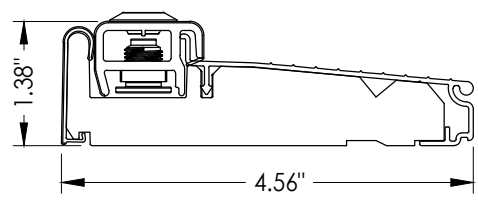


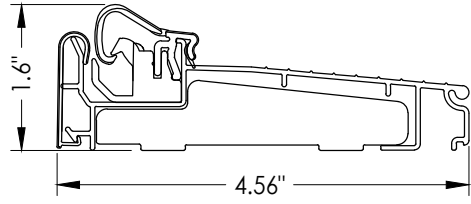
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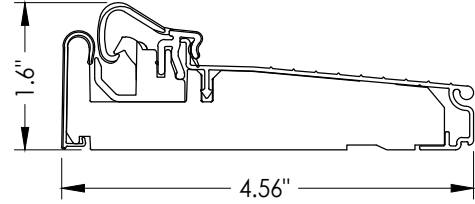
T1 INSWING ADJUSTABLE THRESHOLD
ZAIL4565



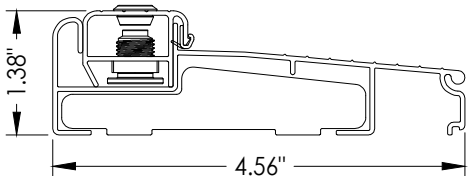
T2 INSWING ADJUSTABLE THRESHOLD
ZAI4565FN



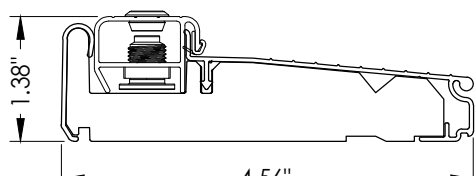
T6 INSWING ARTICULATING THRESHOLD
ZACL4565



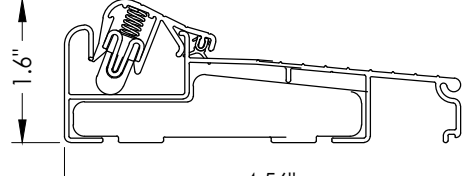
T7 INSWING ARTICULATING THRESHOLD
ZAC4565FN



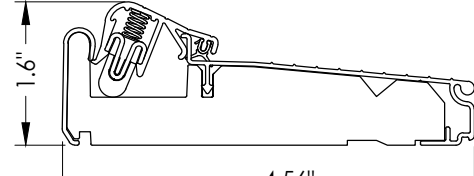
T3 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



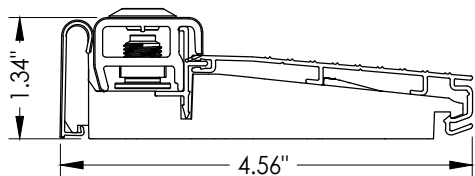
T4 INSWING ADJUSTABLE THRESHOLD
ZIAAA4565FN



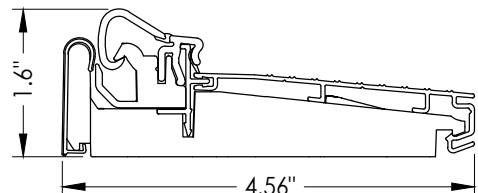
T8 INSWING ARTICULATING THRESHOLD
ZACLAA4565



T9 INSWING ARTICULATING THRESHOLD
ZACAA4565FN



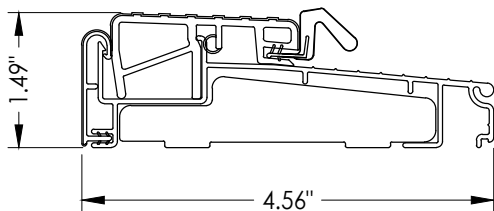
T5 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS



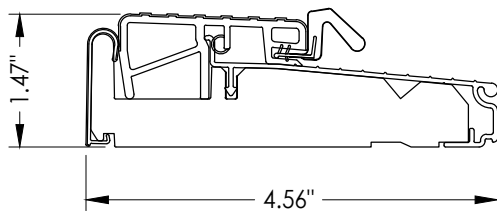
T10 INSWING ARTICULATING THRESHOLD
ZAC4565RDS

INSWING ADJUSTABLE THRESHOLD				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
JELD-WEN OPAQUE STEEL	OX / XO	74.75" X 97.94"	+45.0	-50.0
	OXO	112.2" X 97.94"		

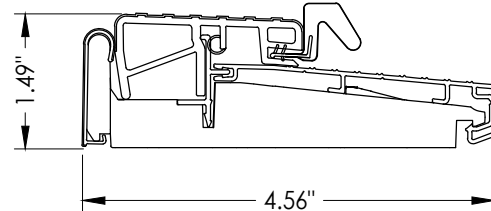
INSWING ARTICULATING THRESHOLD				
DOOR PANEL	CONFIGURATION	MAXIMUM FRAME SIZE	DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
JELD-WEN OPAQUE STEEL	OX / XO	74.75" X 97.94"	+45.0	-50.0
	OXO	112.2" X 97.94"		



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
JELD-WEN OPAQUE STEEL	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.

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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:
Z SERIES THRESHOLD DETAILS
& DESIGN PRESSURES

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

DATE: 5/26/16

SCALE: N.T.S.

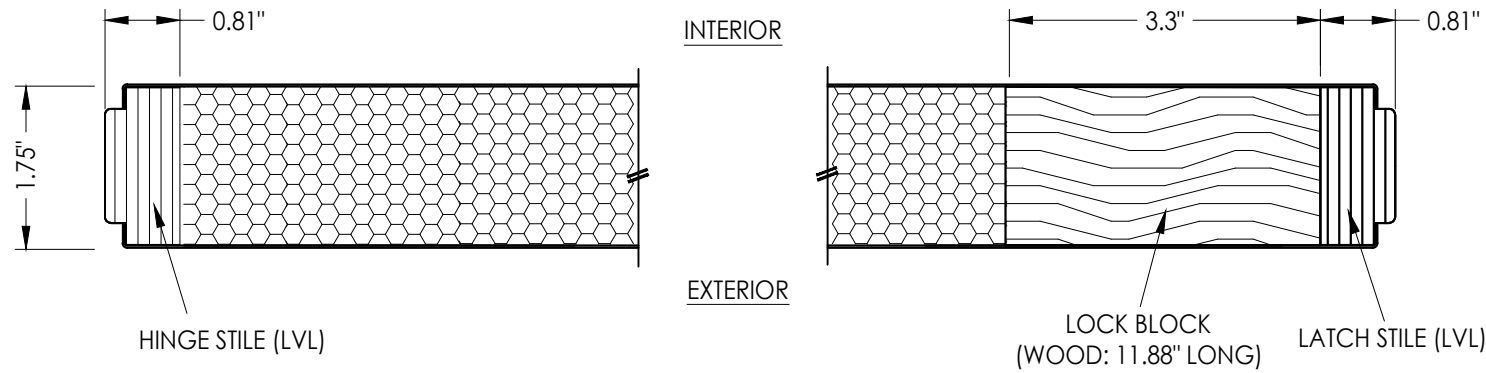
DWG. BY: JK

CHK. BY: LFS

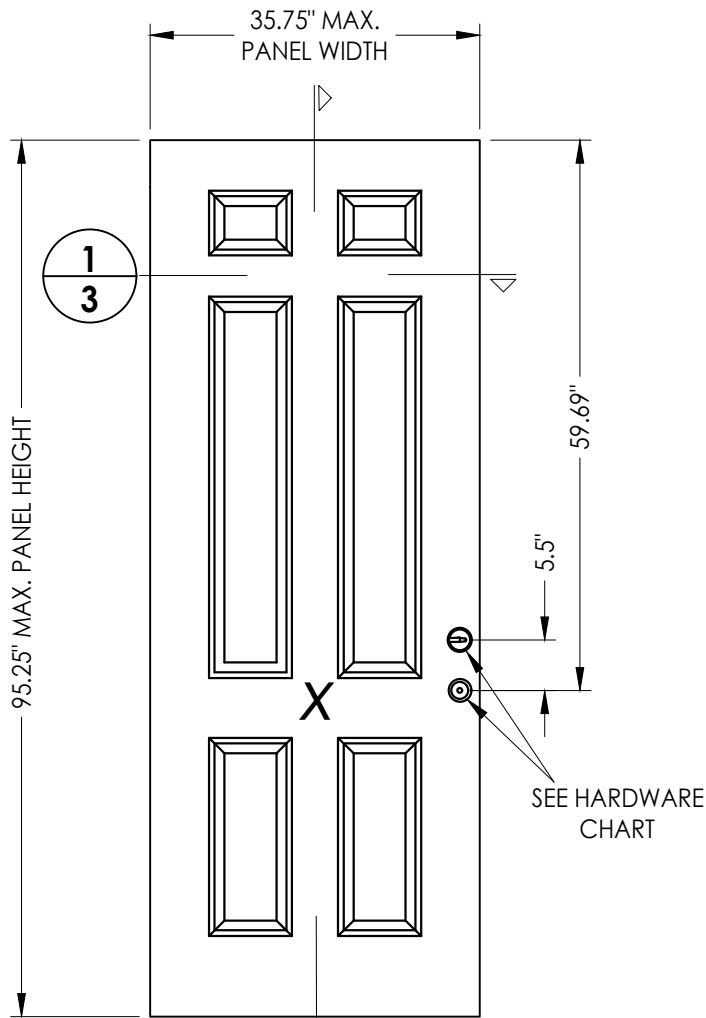
DRAWING NO.:
FL-20698.15

SHEET 2 OF 10

Z:\2023 FBC Drawings\Endura Products\FL-20698 R5\FL-20698.15-16.dwg



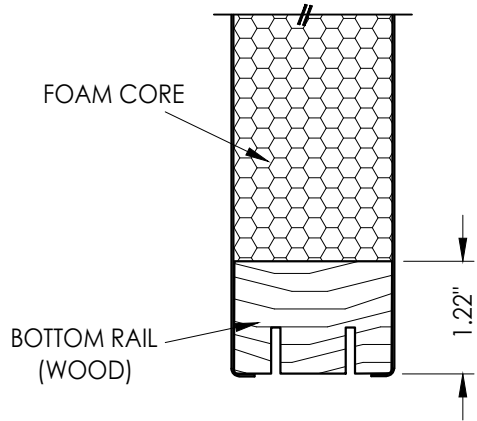
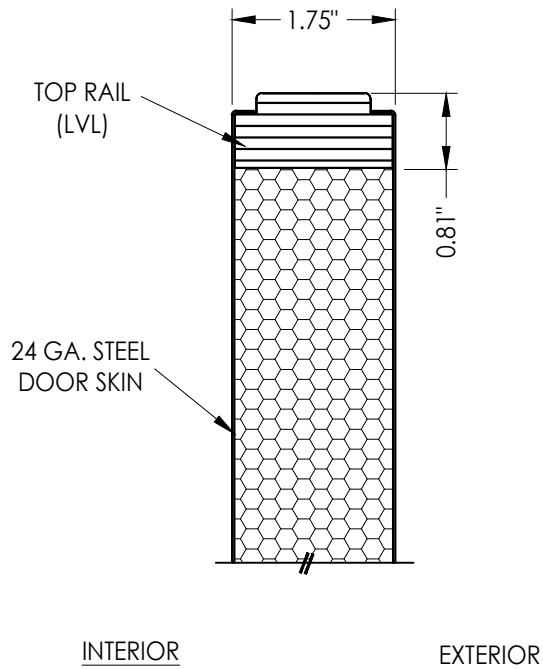
1
3 **HORIZONTAL CROSS SECTION**



2
3 **DOOR PANEL**
JELD-WEN
Steel (Wood Edge)

DOOR SKIN: 24 GA. STEEL (0.022" MIN. THICKNESS)
CORE MATERIAL: POLYSTYRENE FOAM

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



2
3 **VERTICAL CROSS SECTION**

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:	
ENDURA	
PART OR ASSEMBLY:	
DOOR PANEL DETAILS	

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

DATE: 5/26/16

SCALE: N.T.S.

DWG. BY: JK

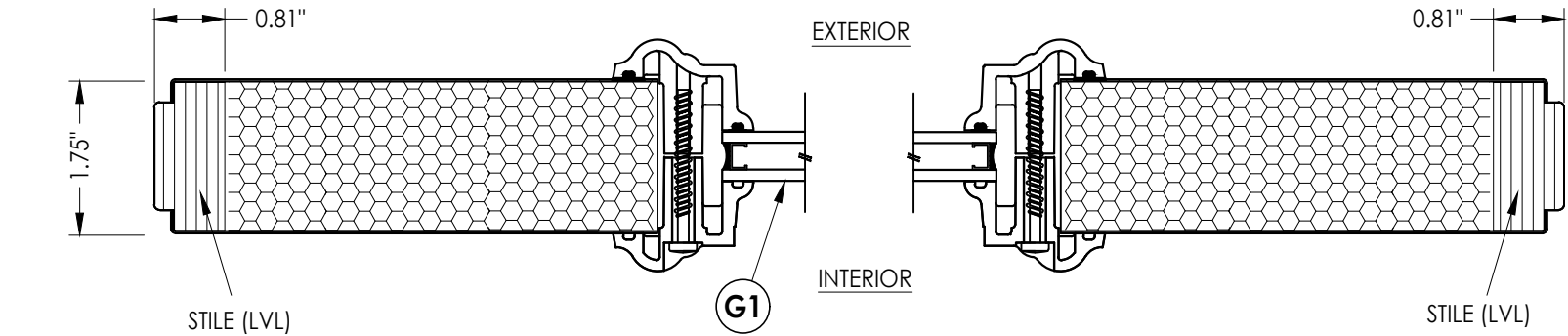
CHK. BY: LFS

DRAWING NO.:

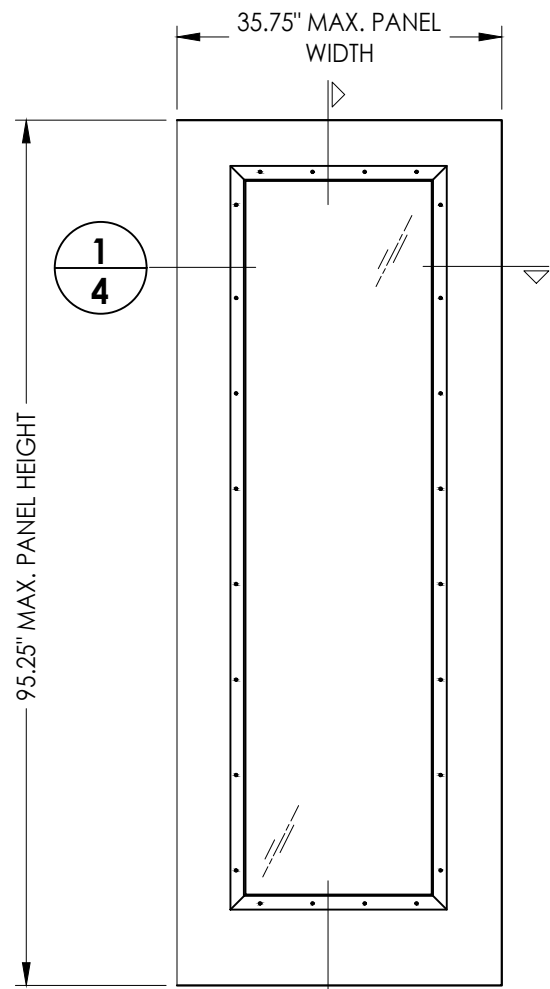
FL-20698.15

SHEET 3 of 10

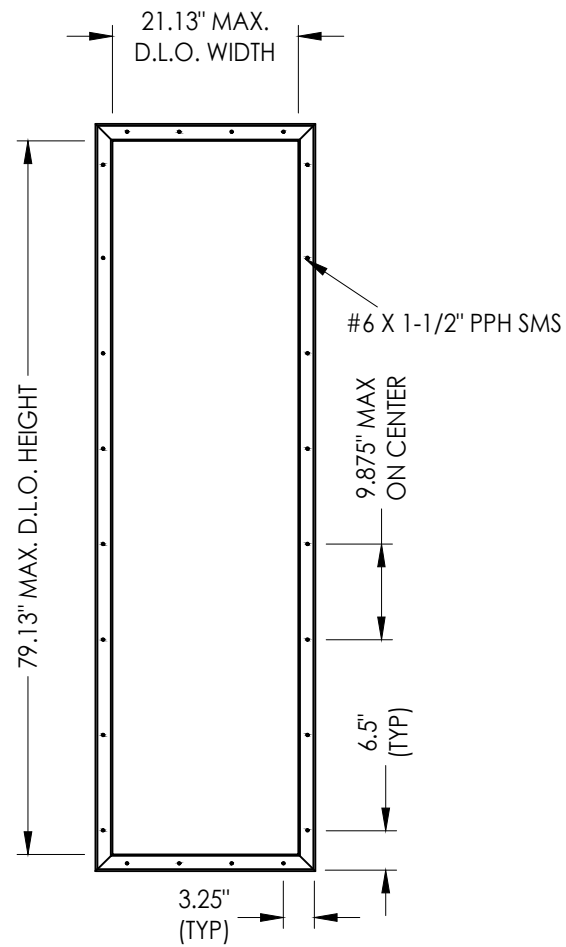
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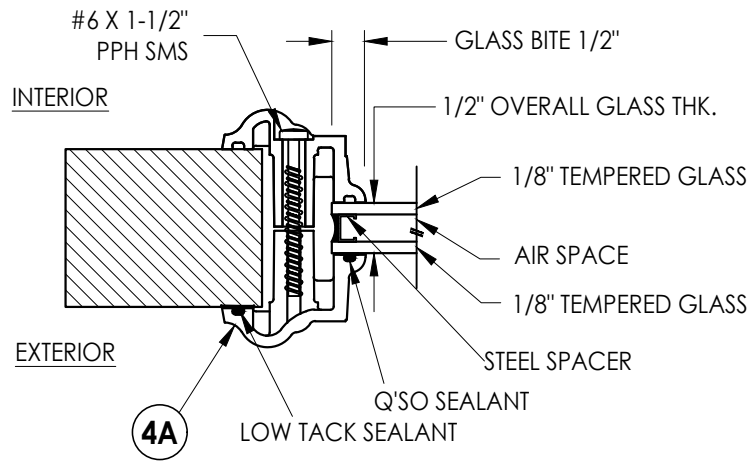
1
4 HORIZONTAL CROSS SECTION



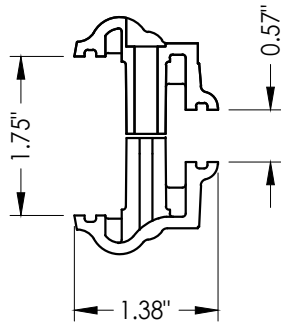
2
4 50 SIDELITE PANEL
JELD-WEN
Steel (Wood Edge)



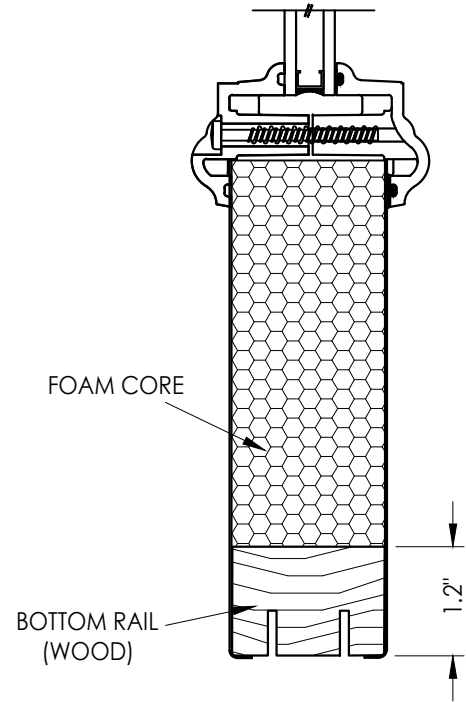
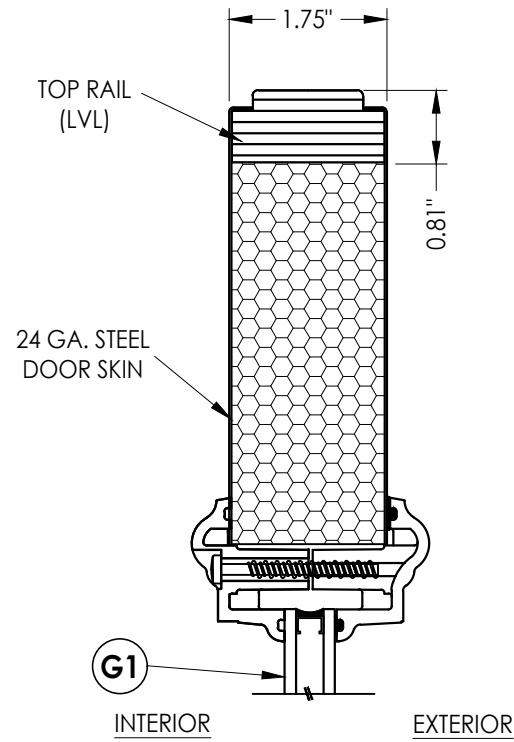
ODL LITE FRAME



G1 GLAZING DETAIL



4A ODL LITE FRAME
HP Polypropylene



2
4 VERTICAL CROSS SECTION

SIDELITE SKIN: 24 GA. STEEL (0.022" MIN. THICKNESS)
CORE MATERIAL: POLYSTYRENE FOAM

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT: ENDURA

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

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

DATE: 5/26/16

SCALE: N.T.S.

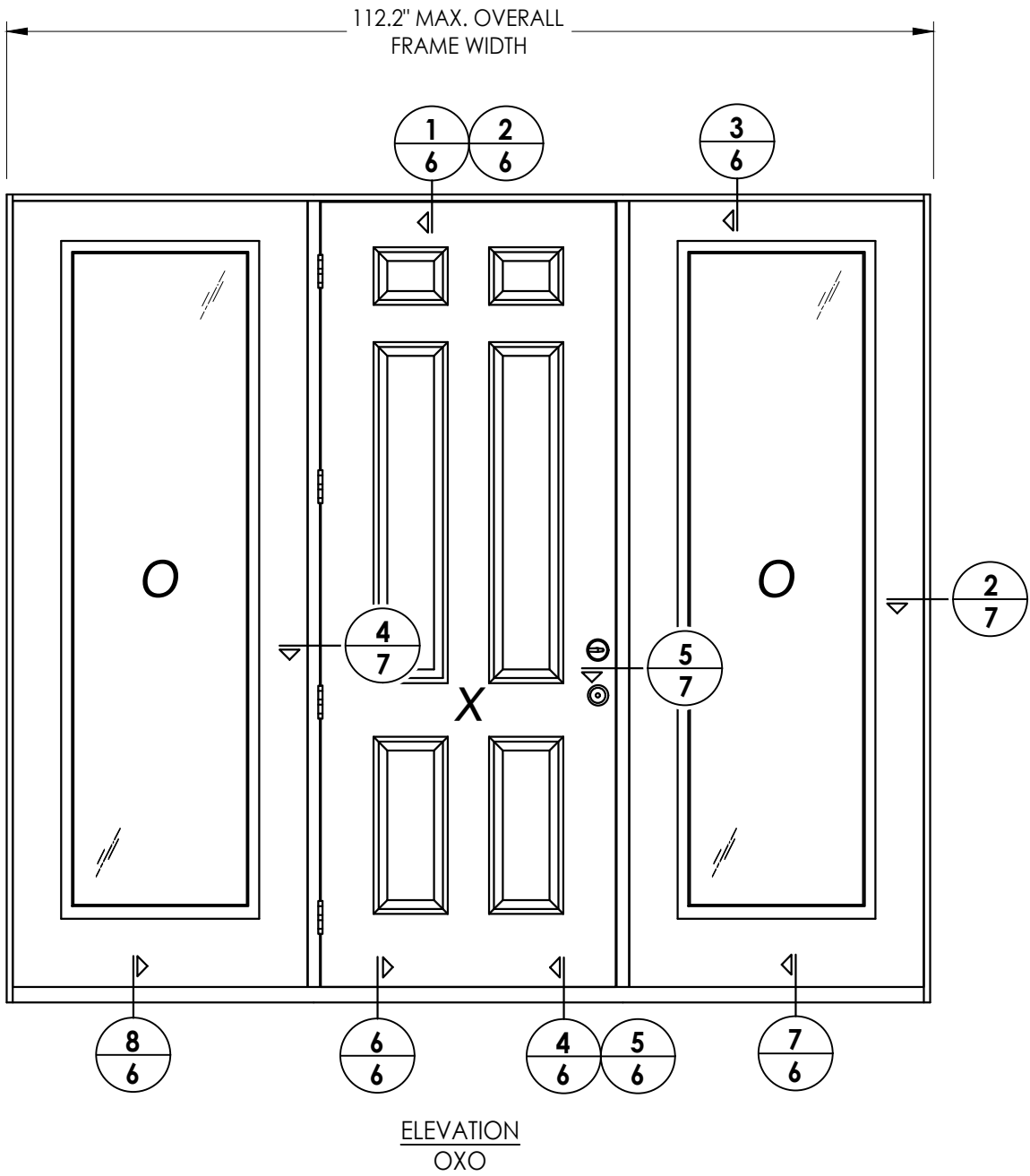
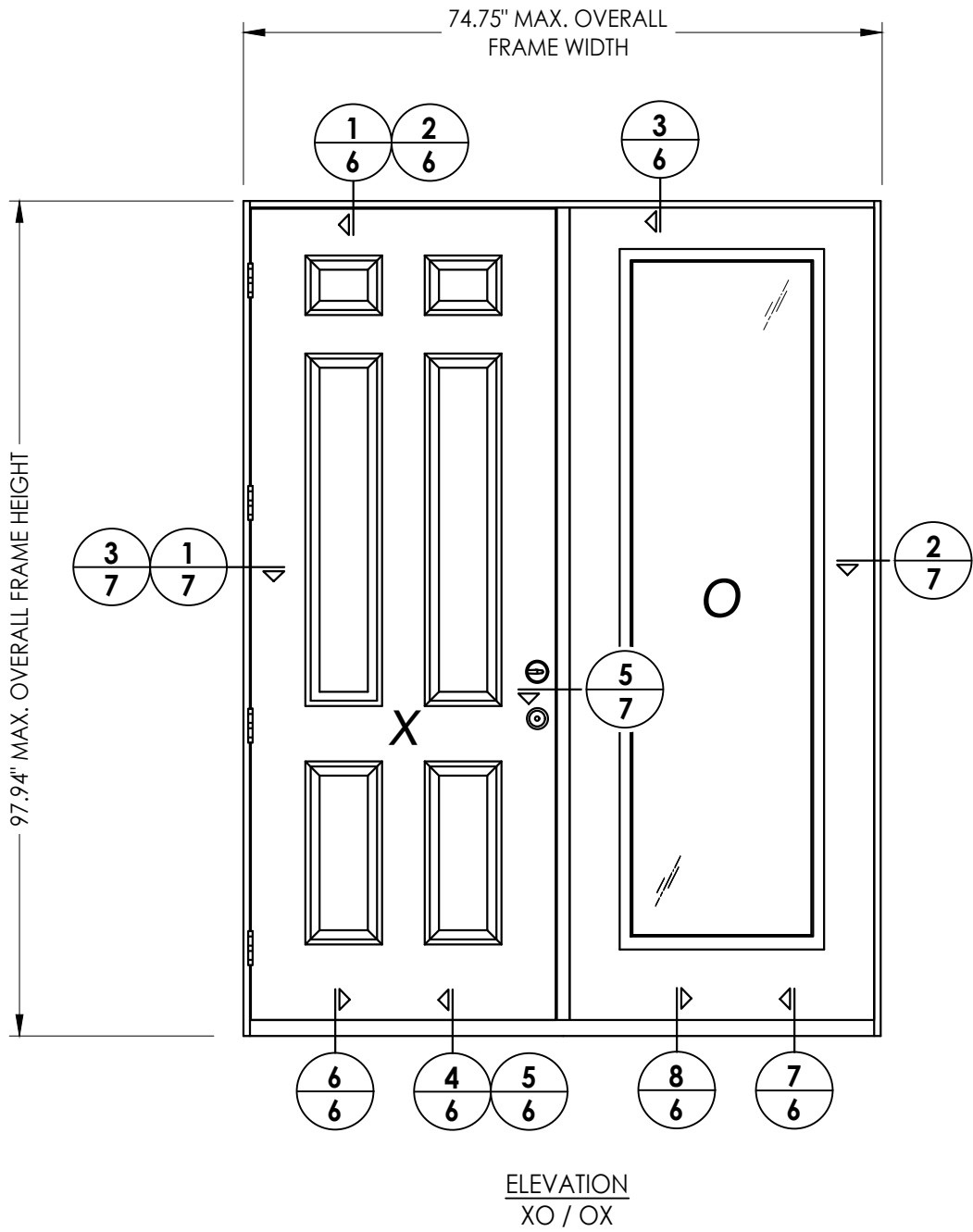
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20698.15

SHEET 4 OF 10

Z:\2023 FBC Drawings\Endura Products\FL-20698 R5\FL-20698.15-16.dwg



DATE: 5/26/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-20698.15
SHEET 5 OF 10

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

PRODUCT:	ENDURA
PART OR ASSEMBLY:	ELEVATIONS

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

1-1/4" MIN.
EMB. (TYP.)

J

E

A

C

7

1

1A

40

INTERIOR

EXTERIOR

SEE

NOTE:

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

The diagram is a vertical cross-section of a window assembly. It is divided into two main sections: 'INTERIOR' on the left and 'EXTERIOR' on the right, separated by a vertical line with a break symbol. The interior side shows a window frame with components labeled T11, T12, and T13. A screw labeled M is shown passing through the frame into the wall. The exterior side shows a window frame with components labeled 50 and T15. A screw labeled D is shown passing through the frame into the wall. The wall is shown in cross-section with a break symbol. A dimension line on the left indicates a minimum depth of 1-1/4" MIN. EMB. (TYP.) for the screw D. A label '8' is in a circle at the bottom left, and 'VERTICAL CROSS SECTION' is written in bold capital letters at the bottom right.

8 VERTICAL CROSS SECTION

1-1/4" MIN.
EMB. (TYP.)

INTERIOR

EXTERIOR

40

8A

T4 T5

T6 T7

H

5 VERTICAL CROSS SECTION

6 Inswing Articulating Threshold

1-1/4" MIN.
EMB. (TYP.)

INTERIOR

EXTERIOR

40

T11 T12 T13

T10

D

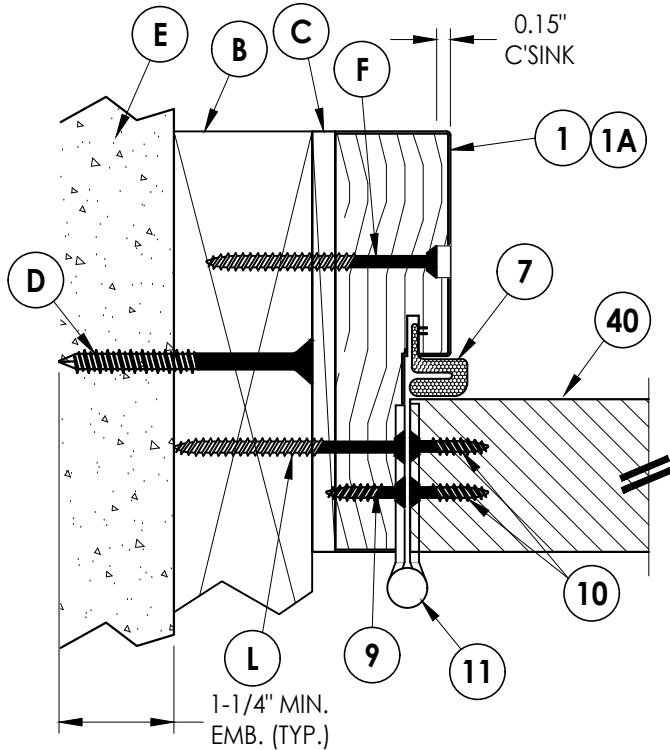
6 **VERTICAL CROSS SECTION**
6 Outswing Bump Threshold

NOTE:

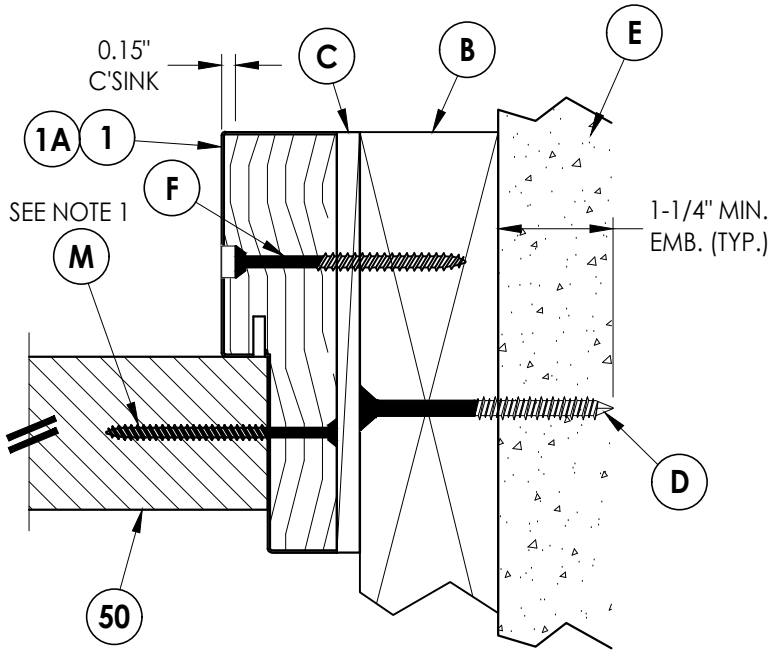
1. Spacing for sidelite screws (item M):
6" from each end (2 total).

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Z:\2023 FBC Drawings\Endura Products\FL-20698 R5\FL-20698.15-16.dwg

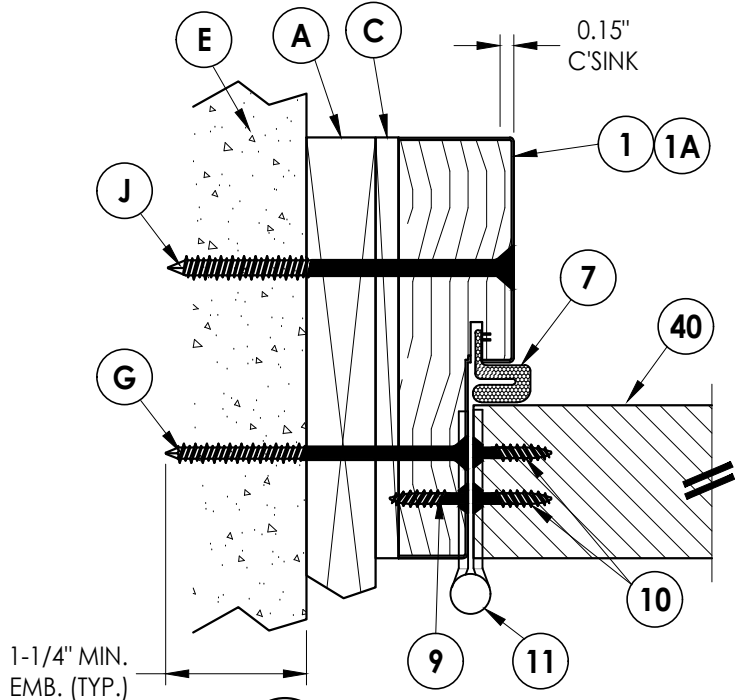


1 **HORIZONTAL CROSS SECTION**
7 Inswing shown (Outswing similar)
2X Buck Construction

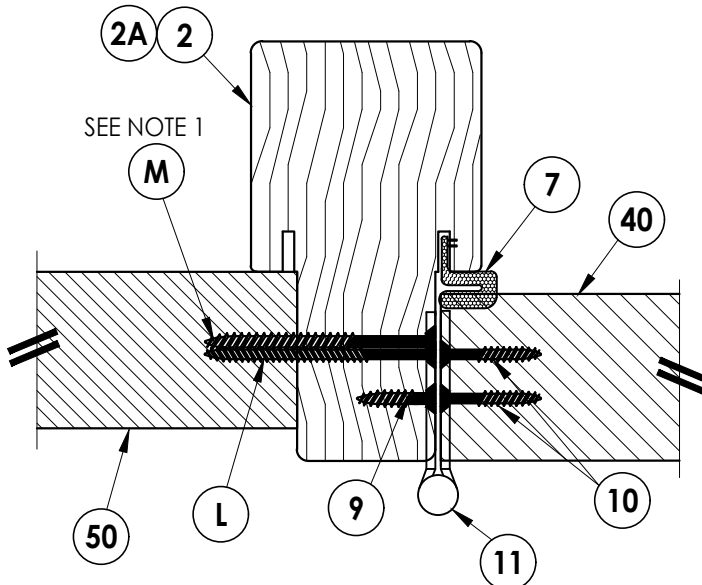


2 **HORIZONTAL CROSS SECTION**
7 Inswing shown (Outswing similar)
2X Buck Construction

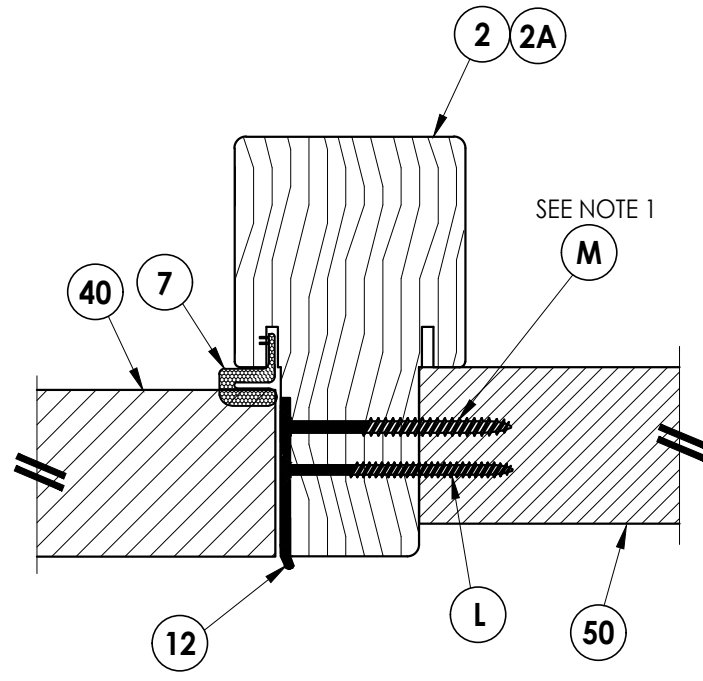
NOTE:
1. Spacing for sidelite screws (item M): 6.5", 32.5",
57.25" and 85" from head to sill (4 total).



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



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



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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: **ENDURA**

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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

DATE: 5/26/16

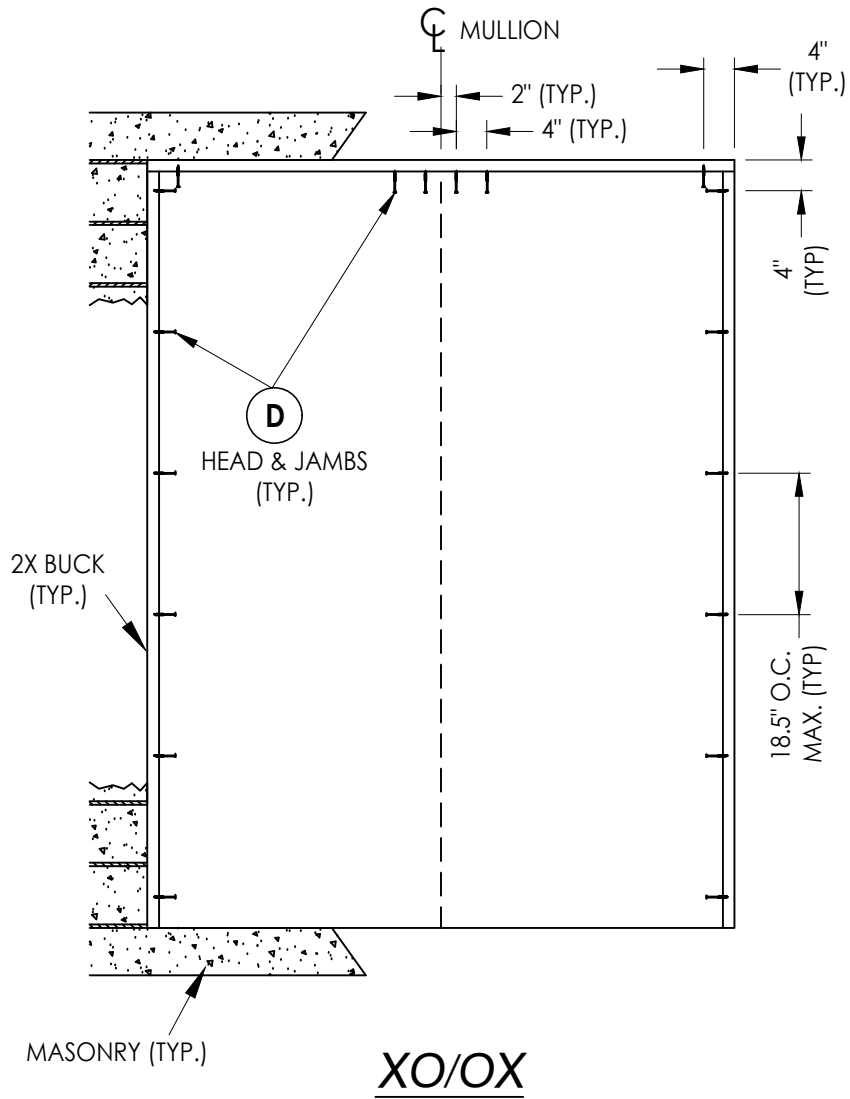
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

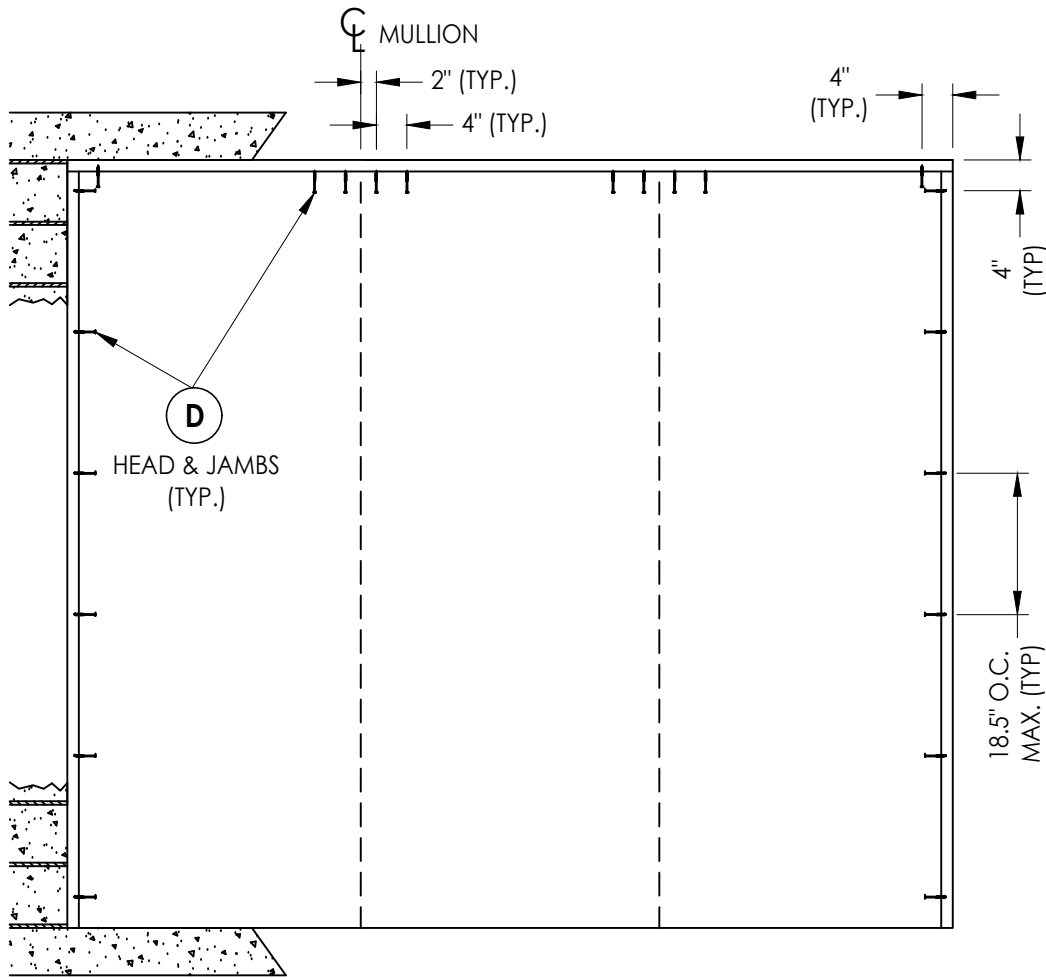
DRAWING NO.:
FL-20698.15

SHEET 7 OF 10



XO/OX

2X BUCK ANCHORING



OXO

DATE: 5/26/16	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-20698.15	
SHEET	8 of 10

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

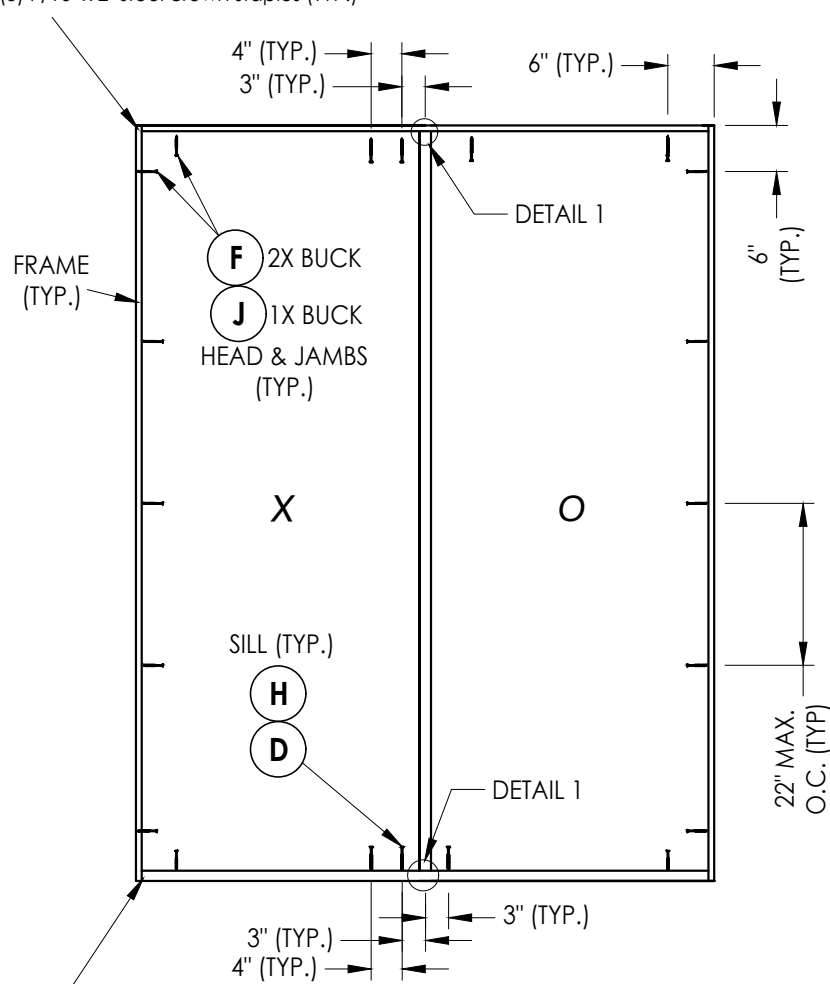
PRODUCT: ENDURA	
PART OR ASSEMBLY: BUCK ANCHORING	

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


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

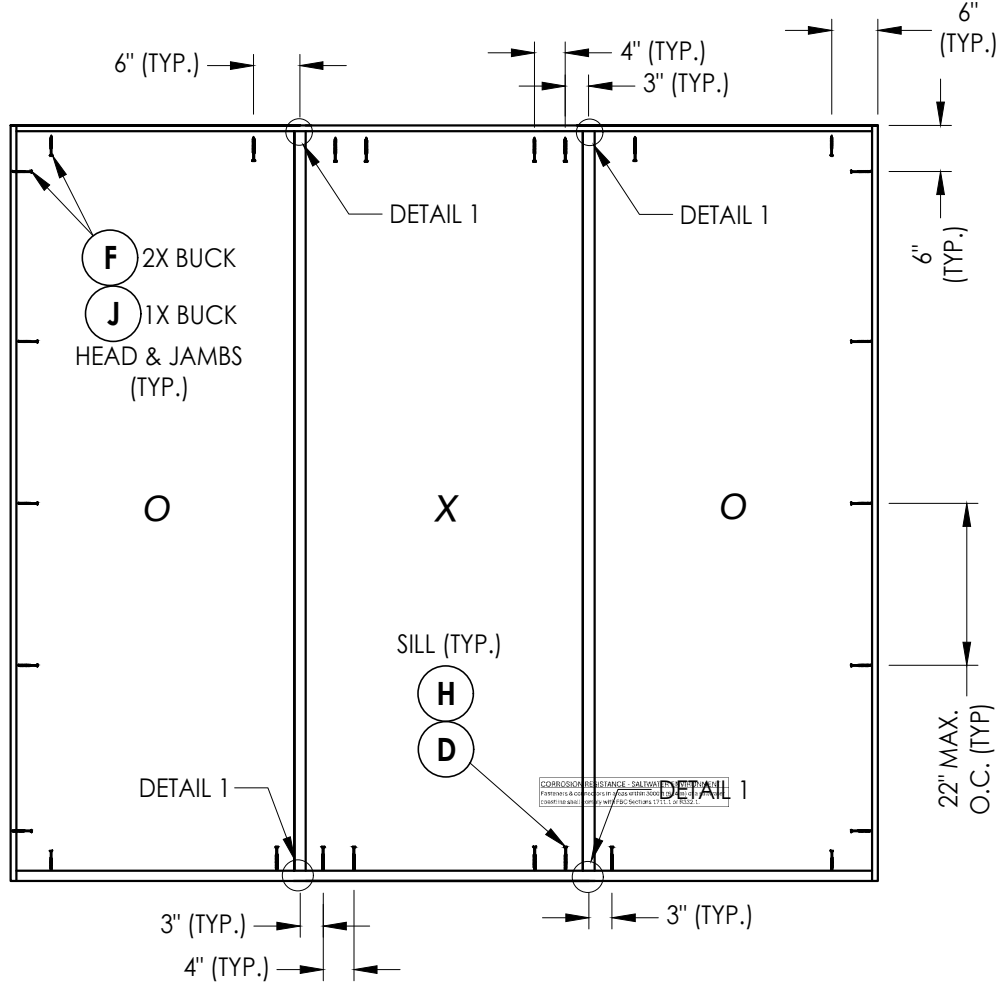
Z:\2023 FBC Drawings\Endura Products\FL-20698 R5\FL-20698.15-16.dwg

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

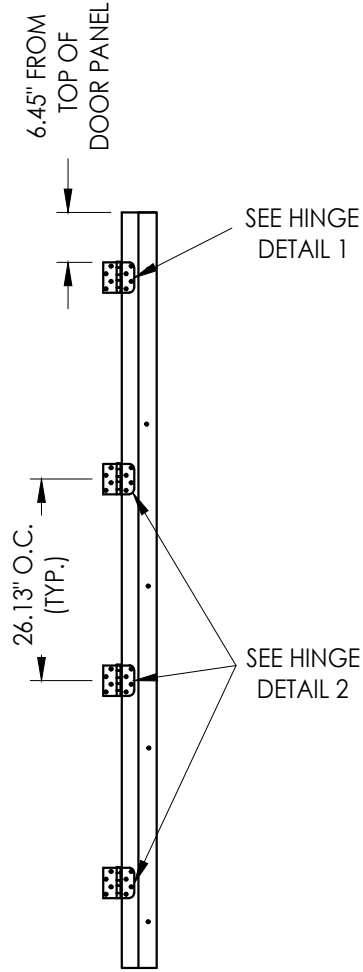


The threshold is attached to the jamb
w/ (3) 7/16" x 2" steel crown staples &
(1) #8 x 1-5/8" wood screw (TYP.)

FRAME ANCHORING

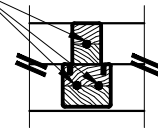


CORROSION RESISTANCE - SALTWATER ENVIRONMENT
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater
coastline shall comply with FBC Sections 1711.1 or R332.1.

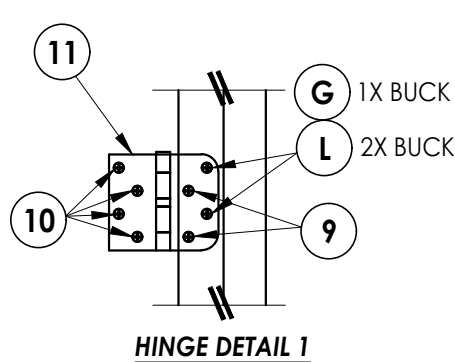


HINGE JAMB

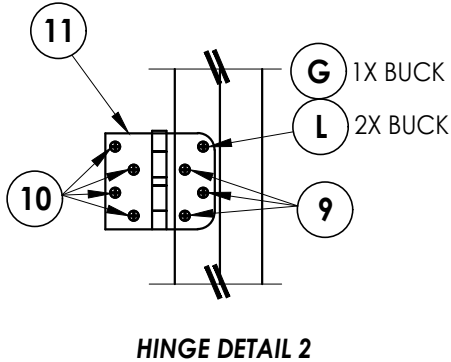
#8 X 2-1/2" COURSE
THREAD
DRYWALL SCREW



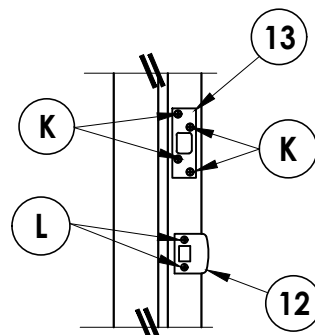
DETAIL 1
Integral mullion attachment



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:
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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
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/06/20	UPDATE TO 7th ED. (2020) FBC DAC

DATE: 5/26/16

SCALE: N.T.S.

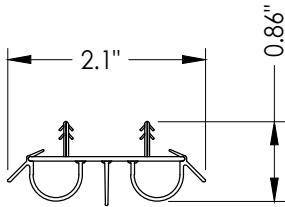
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CHK. BY: LFS

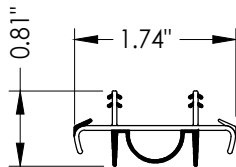
DRAWING NO.: FL-20698.15

SHEET 9 OF 10

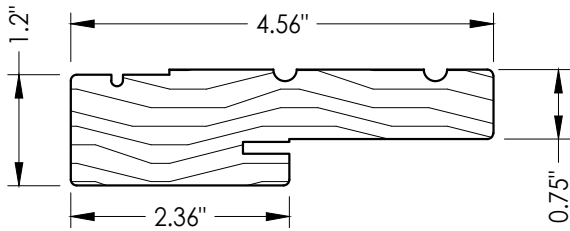
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 X 3" PFH WOOD SCREW	STEEL
L	#8 X 2-1/2" PFH WOOD SCREW	STEEL
M	#8 X 2-1/2" PFH COURSE THREAD DRYWALL SCREW	STEEL
P	#10 X 1-3/4" PFH WOOD SCREW	STEEL
T1	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
T2	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
T3	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
T4	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
T5	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
T6	INSWING ARTICULATING THRESHOLD	ALUM/COMP
T7	INSWING ARTICULATING THRESHOLD	ALUM/COMP
T8	INSWING ARTICULATING THRESHOLD	ALUM/COMP
T9	INSWING ARTICULATING THRESHOLD	ALUM/COMP
T10	INSWING ARTICULATING THRESHOLD	ALUM/COMP
T11	OUTSWING THRESHOLD	ALUM/COMP
T12	OUTSWING THRESHOLD	ALUM/COMP
T13	OUTSWING THRESHOLD	ALUM/COMP
T14	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
T15	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
1	FINGER JOINT PINE JAMB (G >= 0.42)	WOOD
1A	FINGER JOINTED PINE JAMB (SG >= 0.42)(FrameSaver)	WOOD/COMP
2	INTEGRAL MULLION (ENDURA FATBOY - PINE, G >= 0.42)	WOOD
2A	INTEGRAL MULLION (SG >= 0.42)(FrameSaver)	WOOD/COMP
7	WEATHERSTRIP (ENDURA)	FOAM
8	DOOR BOTTOM SWEEP	VINYL
8A	ARTICULATING SWEEP	VINYL
9	#8 X 3/4" PFH WOOD SCREW	STEEL
10	#8 X 1" PFH WOOD SCREW	STEEL
11	4" X 4" BUTT HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR DETAILS	-



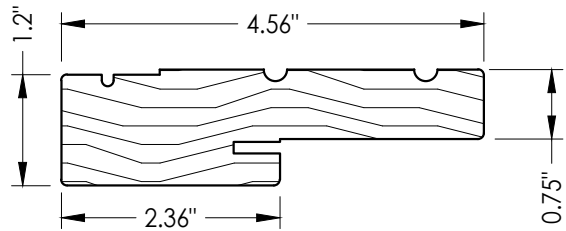
8 SWEEP



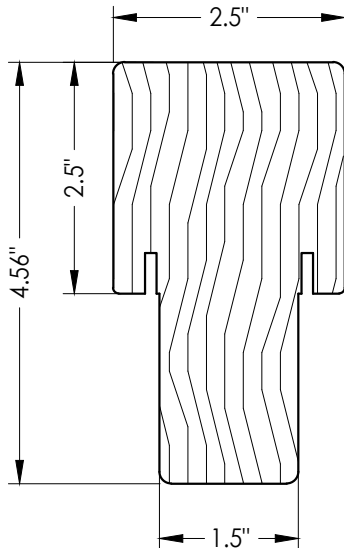
8A ARTICULATING SWEEP



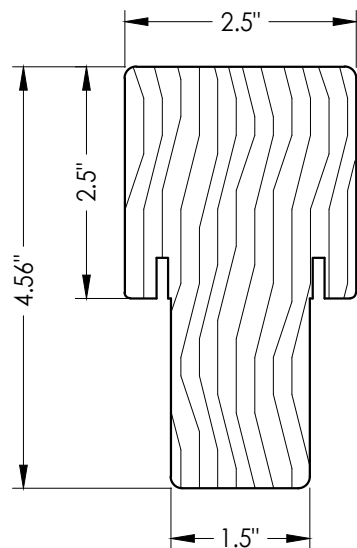
1 WOOD JAMB



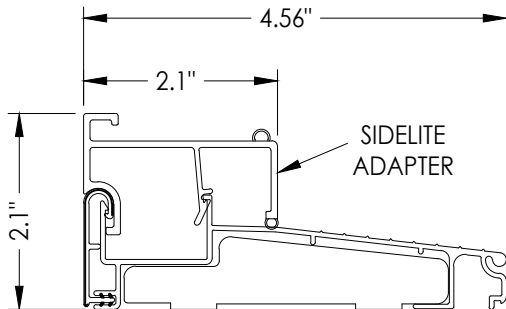
1A WOOD JAMB
FrameSaver (Endura)



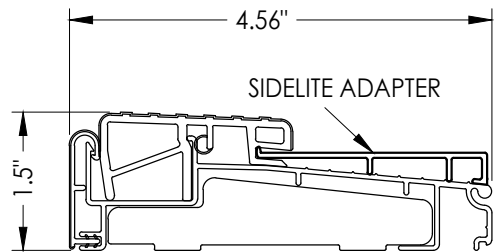
2 INTEGRAL MULLION



2A **INTEGRAL MULLION**
FrameSaver (Endura)



T14 **INSWING THRESHOLD w/ SIDELITE ADAPTER**
Endura (Z-Series)



T15 **OUTSWING THRESHOLD w/ SIDELITE ADAPTER**
Endura (Z-Series)

DATE: 5/26/16		REVISIONS	
SCALE: N.T.S.		NO. DATE	
DWG. BY: JK		3 7/02/26 UPDATE TO 9TH ED. (2026) FBC LFS	
CHK. BY: LFS		2 7/06/23 UPDATE TO 8TH ED. (2023) FBC LFS	
DRAWING NO.: FL-20698.15		1 8/06/20 UPDATE TO 7th ED. (2020) FBC DAC	
SHEET 10 OF 10		BY	