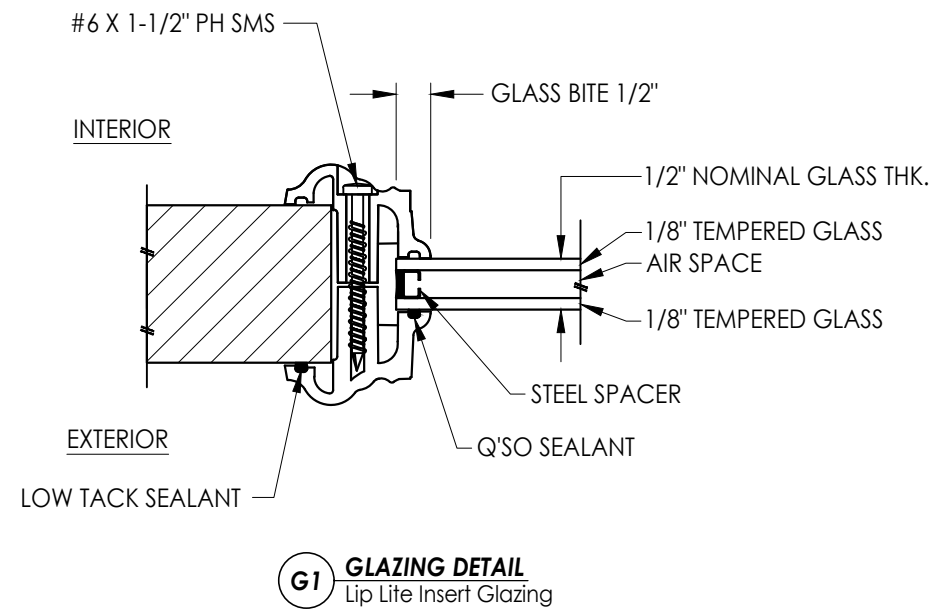
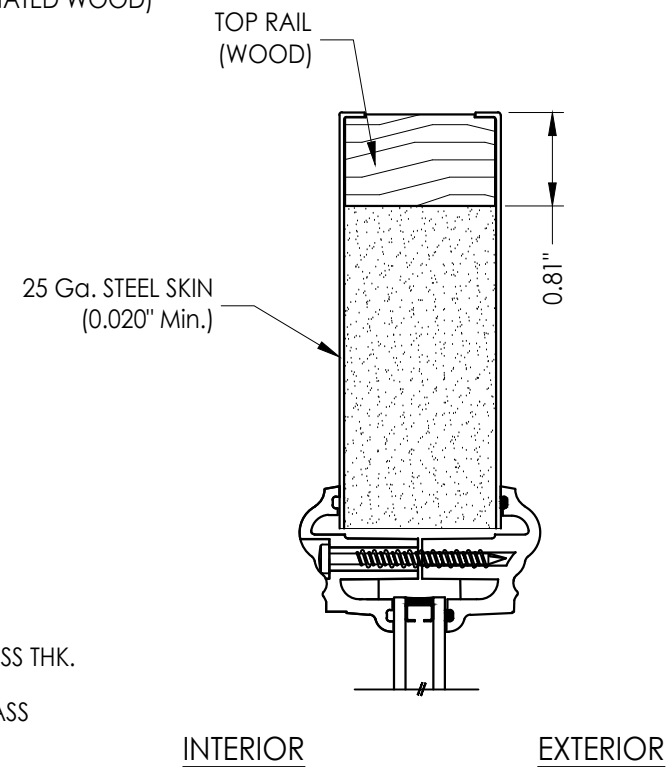
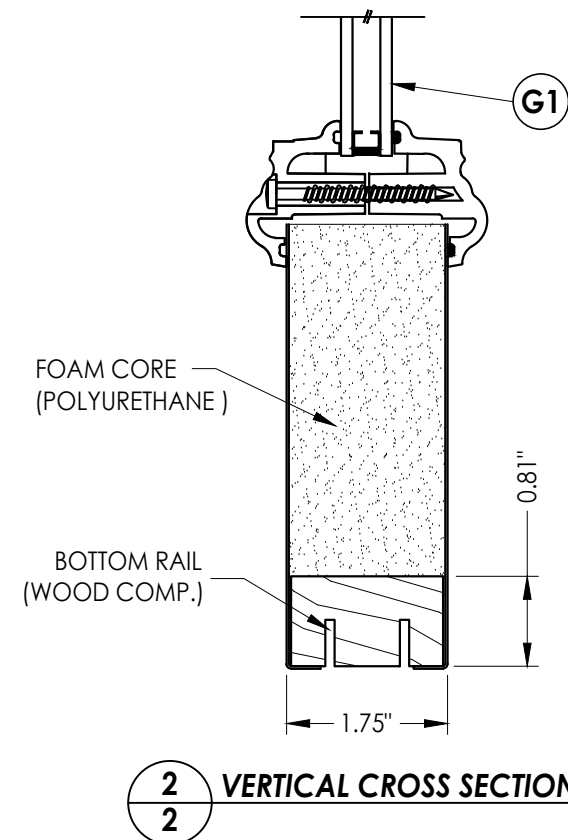




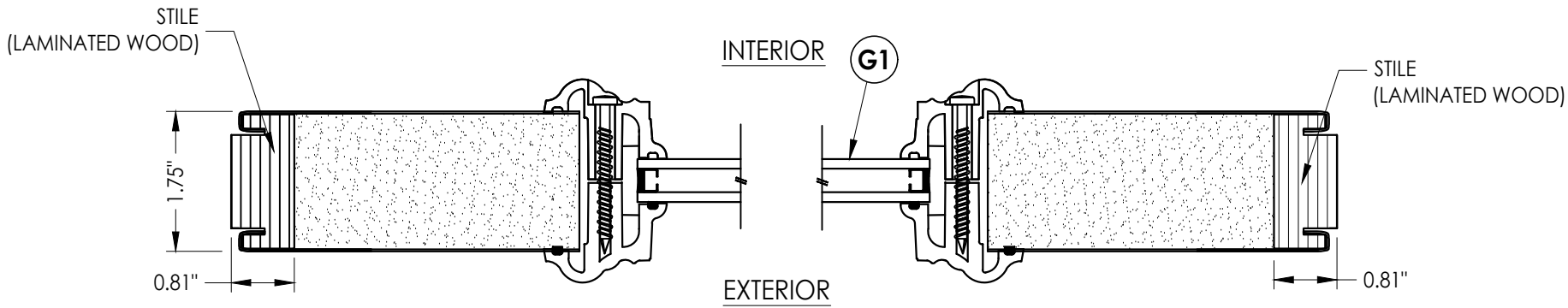
HARDWARE TABLE	
MANUFACTURER	MODEL
Endura	Trilennium® 3000 Series Multi-point lock (3pt.)



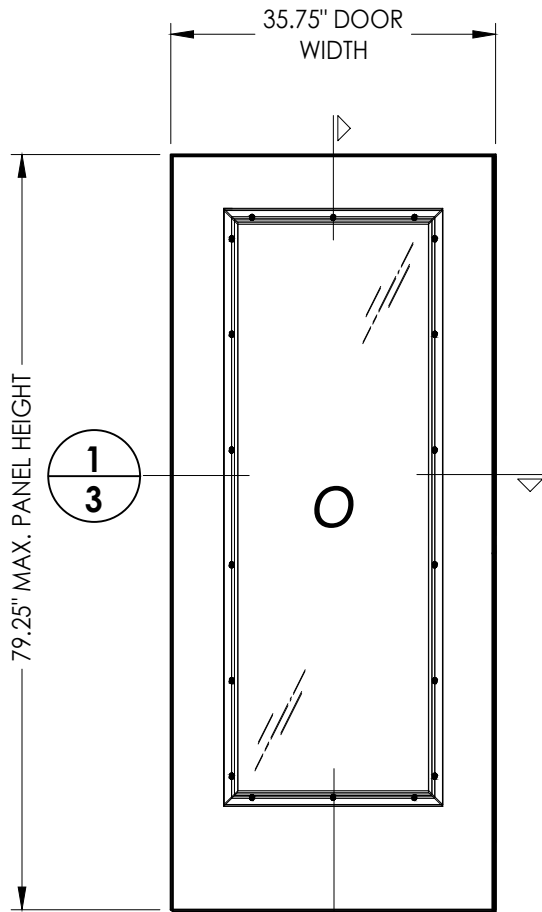
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	8/10/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
1	4/16/16	ADD ALUMINUM ARTICULATING SILL	RW	
NO.	DATE			
REVISIONS				

DATE:	1/14/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15384.18
SHEET	2 OF 10

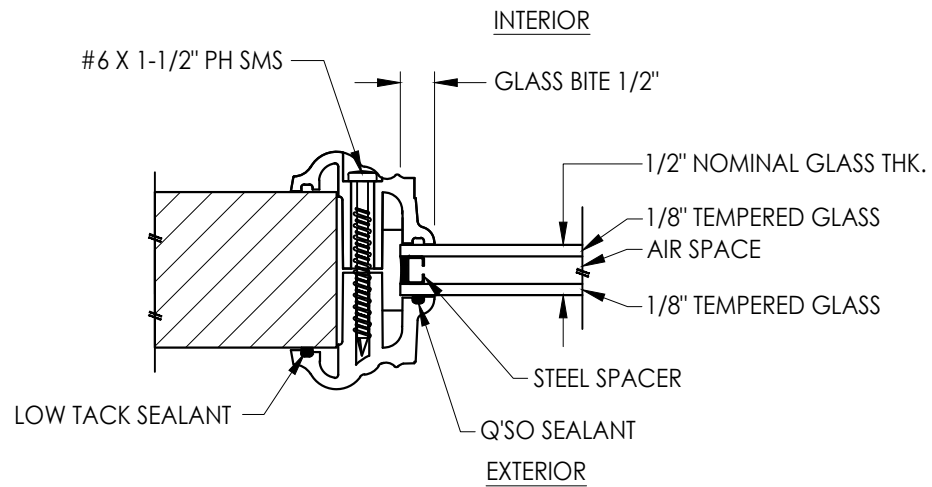
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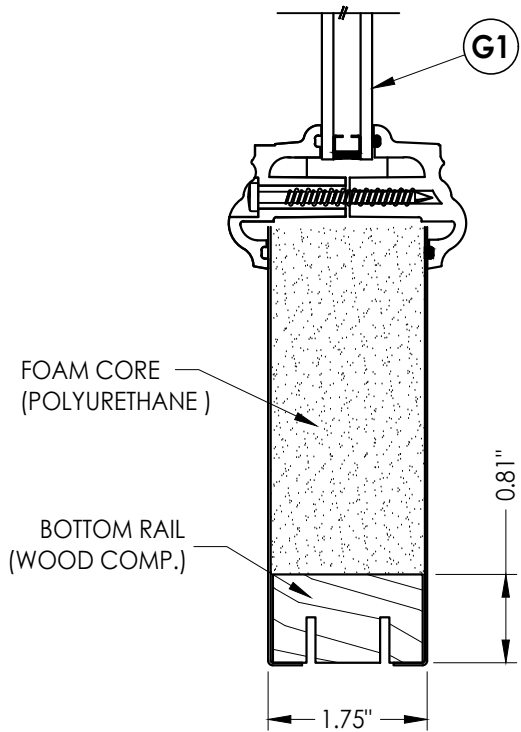
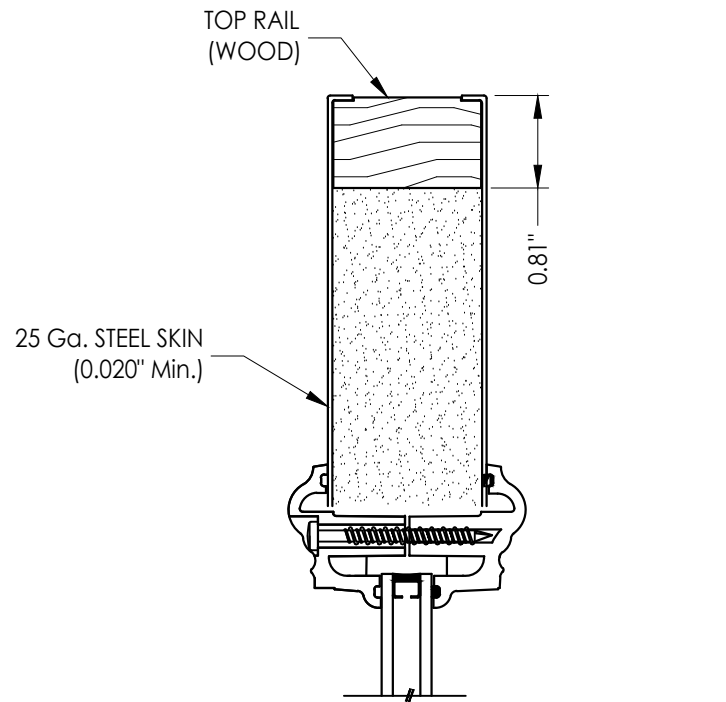
1
3 **HORIZONTAL CROSS SECTION**



2
3 **50 SIDELITE PANEL**
Masonite
Steel



G1 **GLAZING DETAIL**
Lip Lite Insert Glazing



2
3 **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: ENDURA

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

NO.	DATE	REVISIONS	BY
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	8/10/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC	LFS
1	4/16/16	ADD ALUMINUM ARTICULATING SILL	RW

DATE: 1/14/16

SCALE: N.T.S.

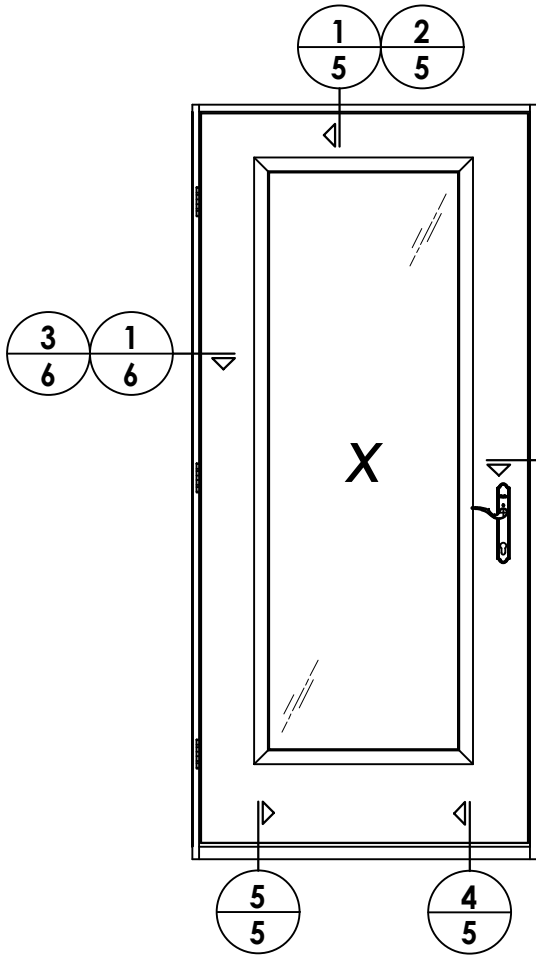
DWG. BY: JK

CHK. BY: LFS

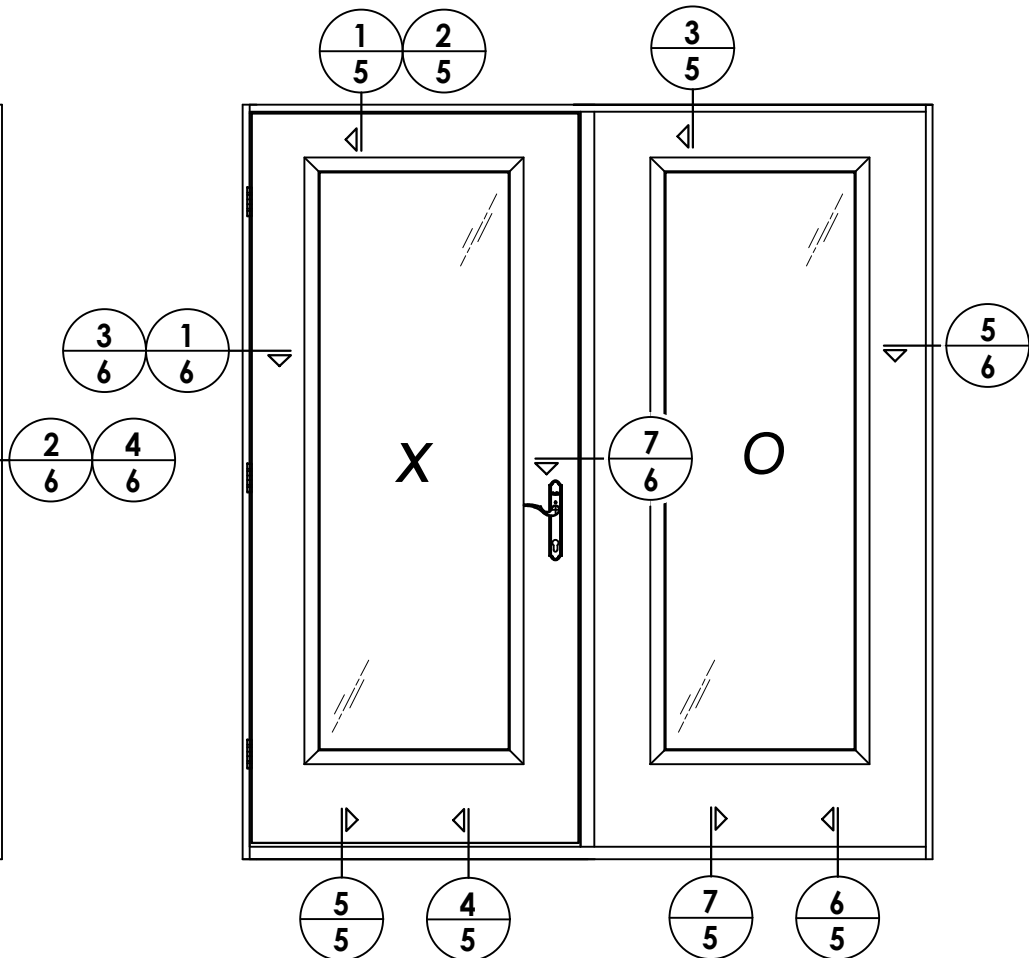
DRAWING NO.: FL-15384.18

SHEET 3 OF 10

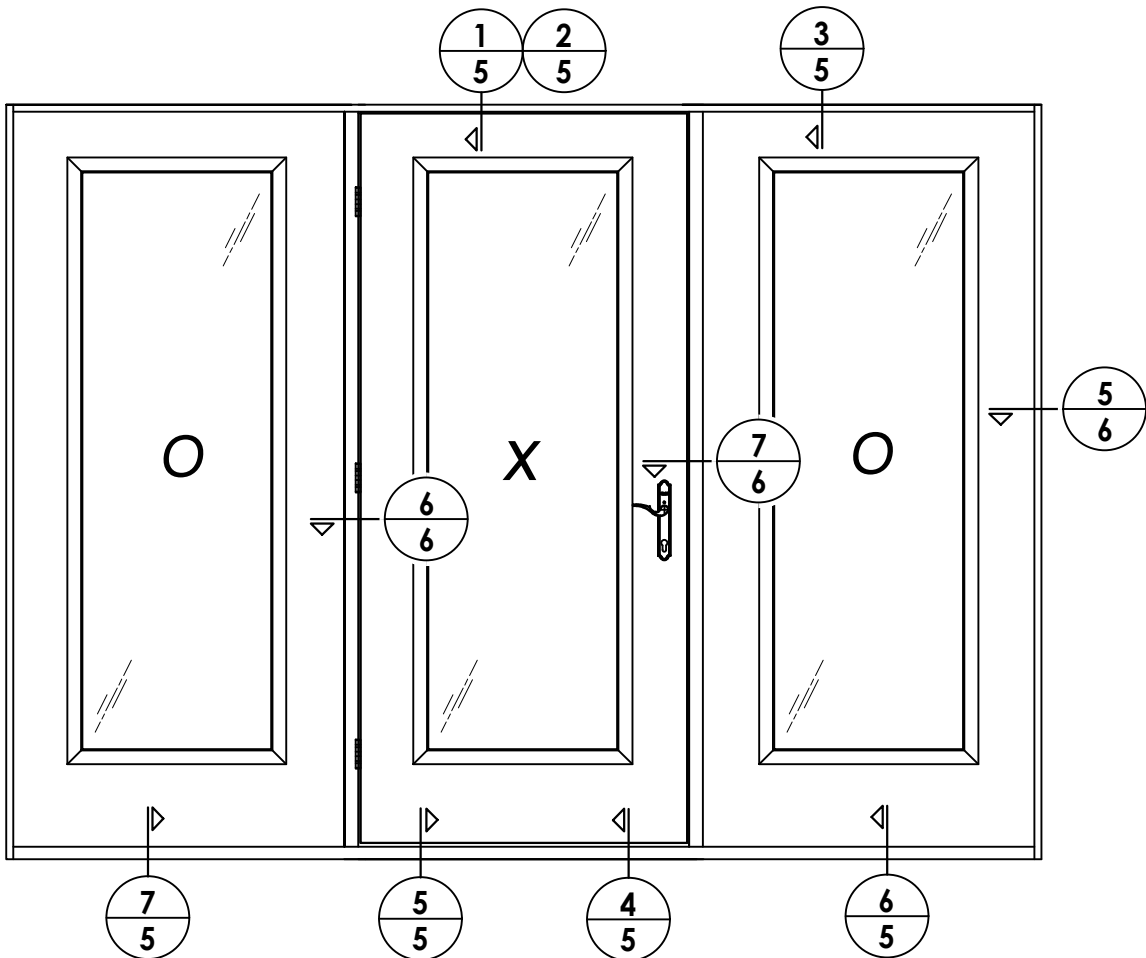
Z:\2023 FBC Drawings\Endura Products\FL-15384 R10\FL-15384.18.dwg



ELEVATION
X



ELEVATION
XO / OX



ELEVATION
OXO

NO.	DATE	REVISIONS			
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	8/10/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	4/16/16	ADD ALUMINUM ARTICULATING SILL	RW		

DATE: 1/14/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15384.18

SHEET 4 OF 10

PRODUCT:

ENDURA

PART OR ASSEMBLY:

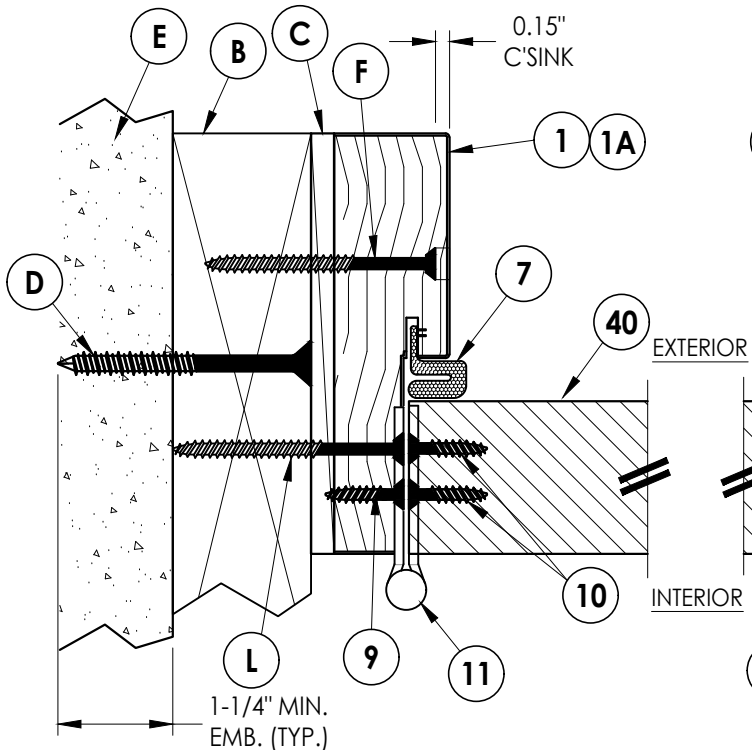
ELEVATIONS

Documents Prepared By:

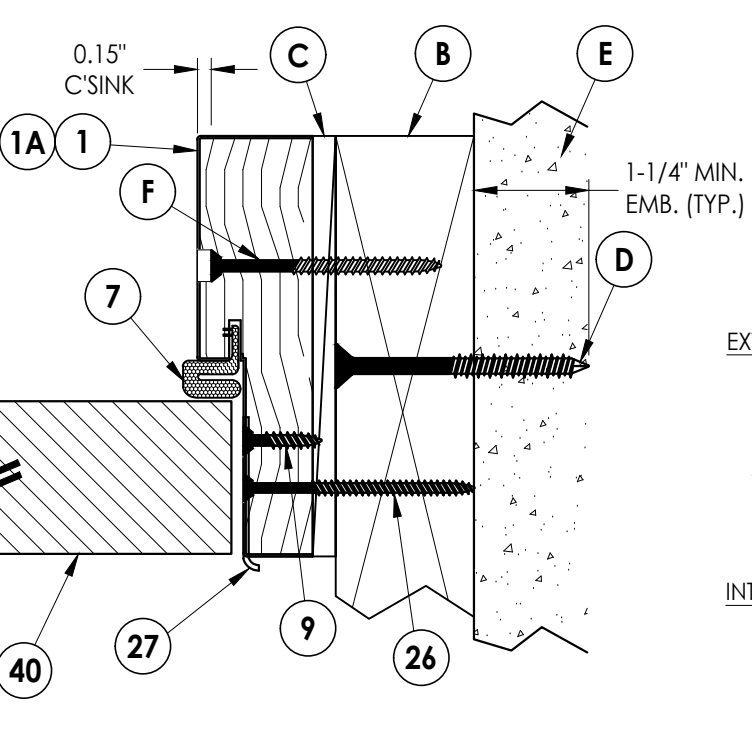
Lyndon F. Schmidt
P.E. No. 43409

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

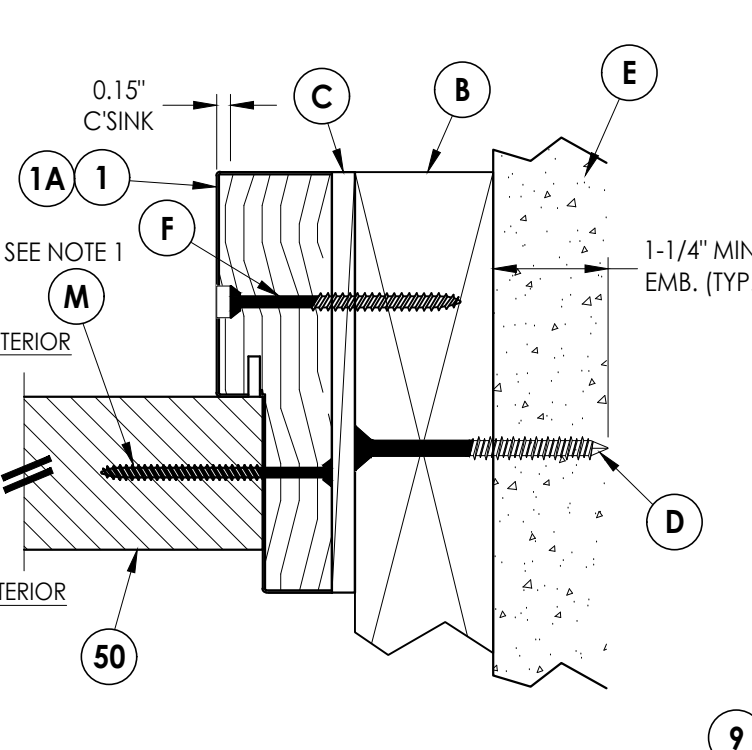
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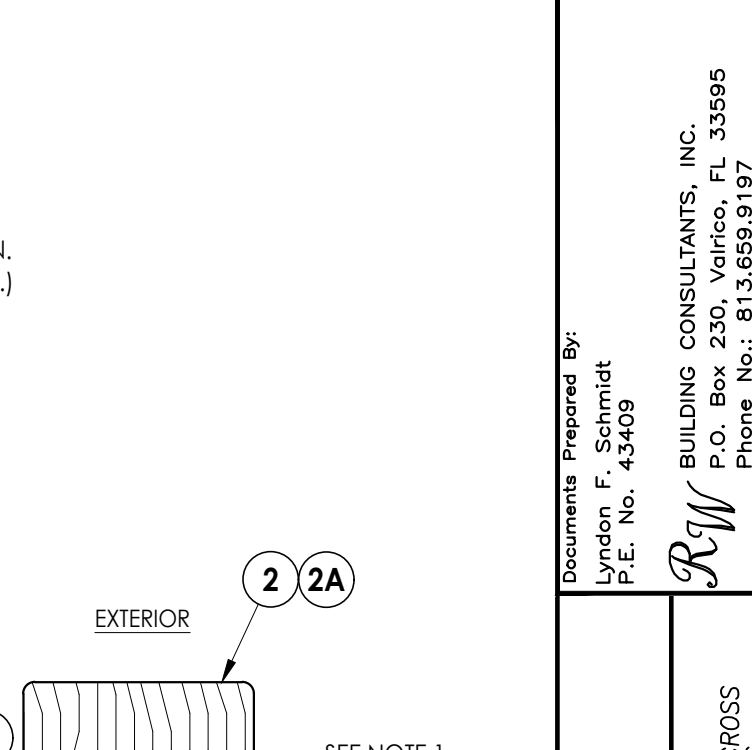
1 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



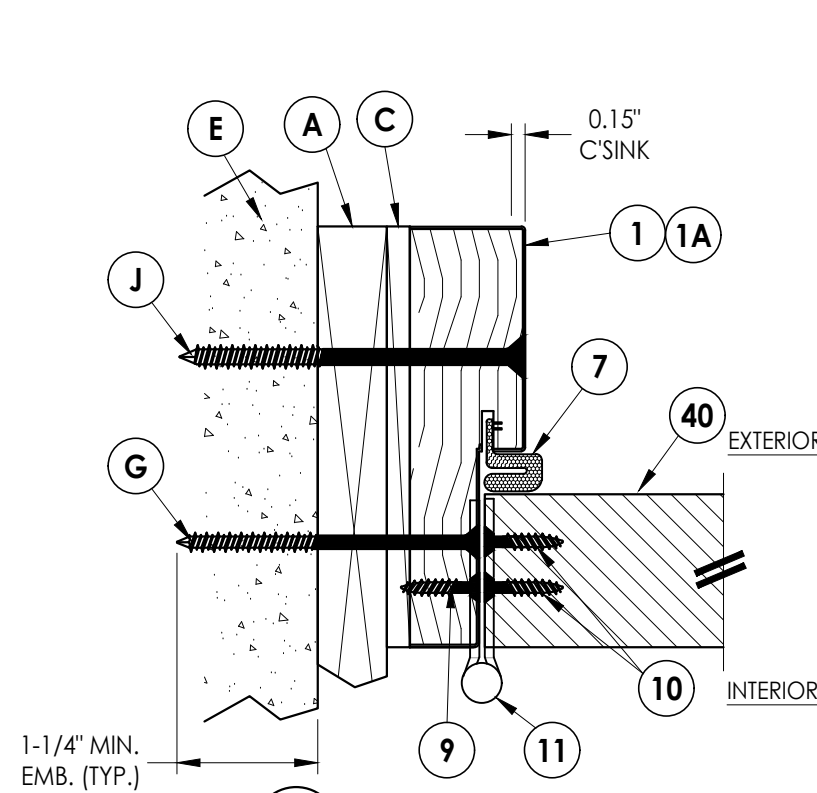
2 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



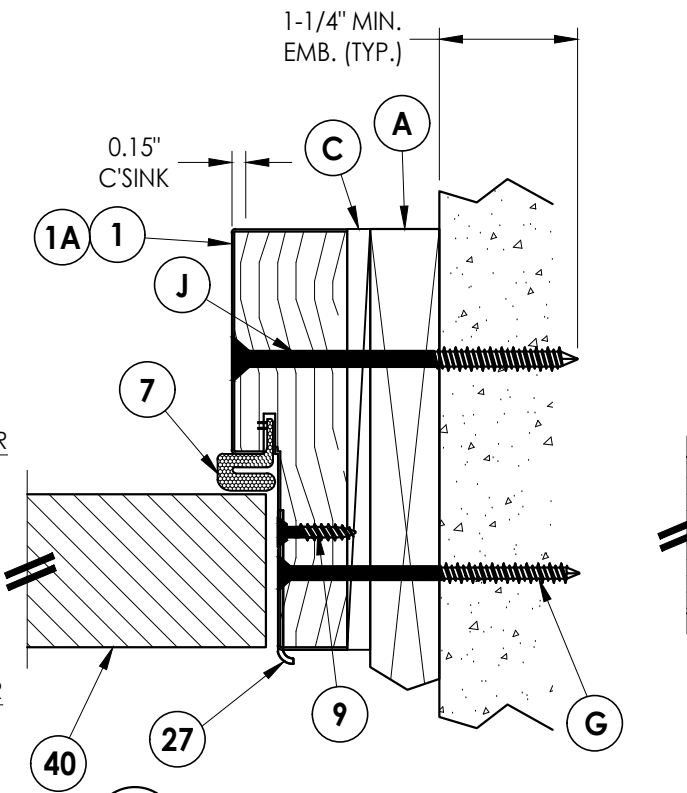
5 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



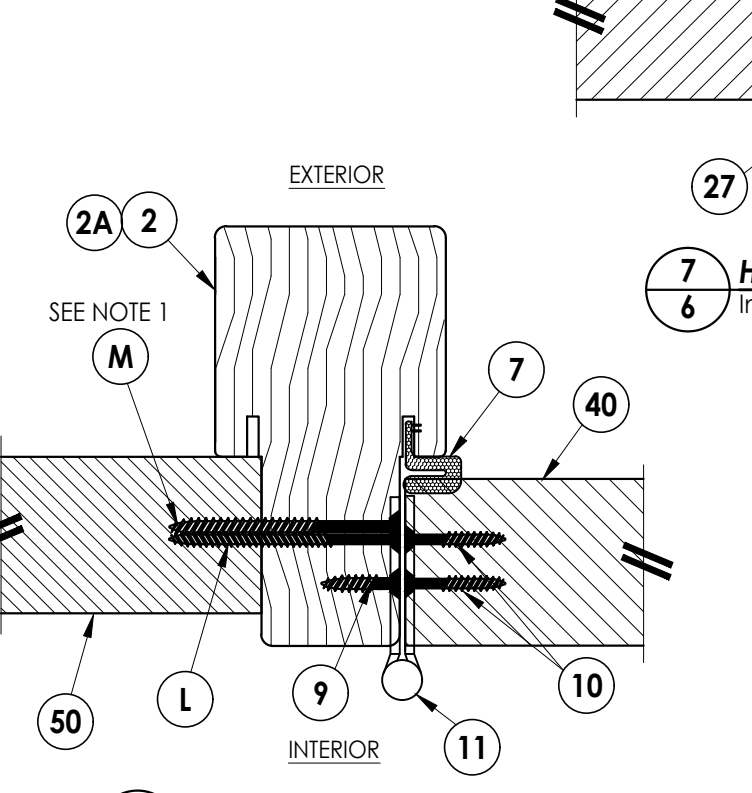
7 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)



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



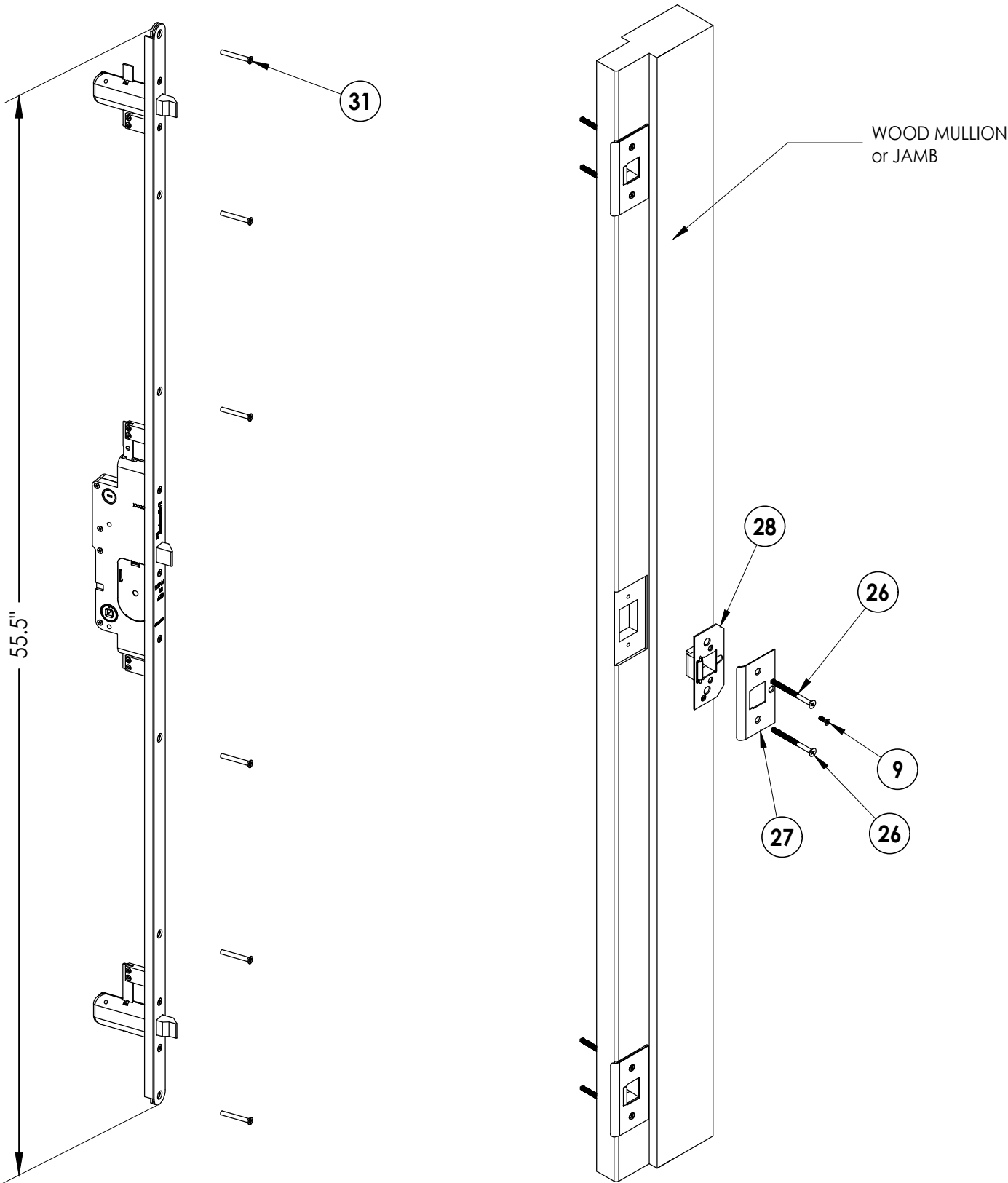
4 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
1X Buck Construction



6 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)

NOTE:
1. Spacing for sidelite screws (item M): 6.5", 38.5"
and 69" from head to sill (3 total).

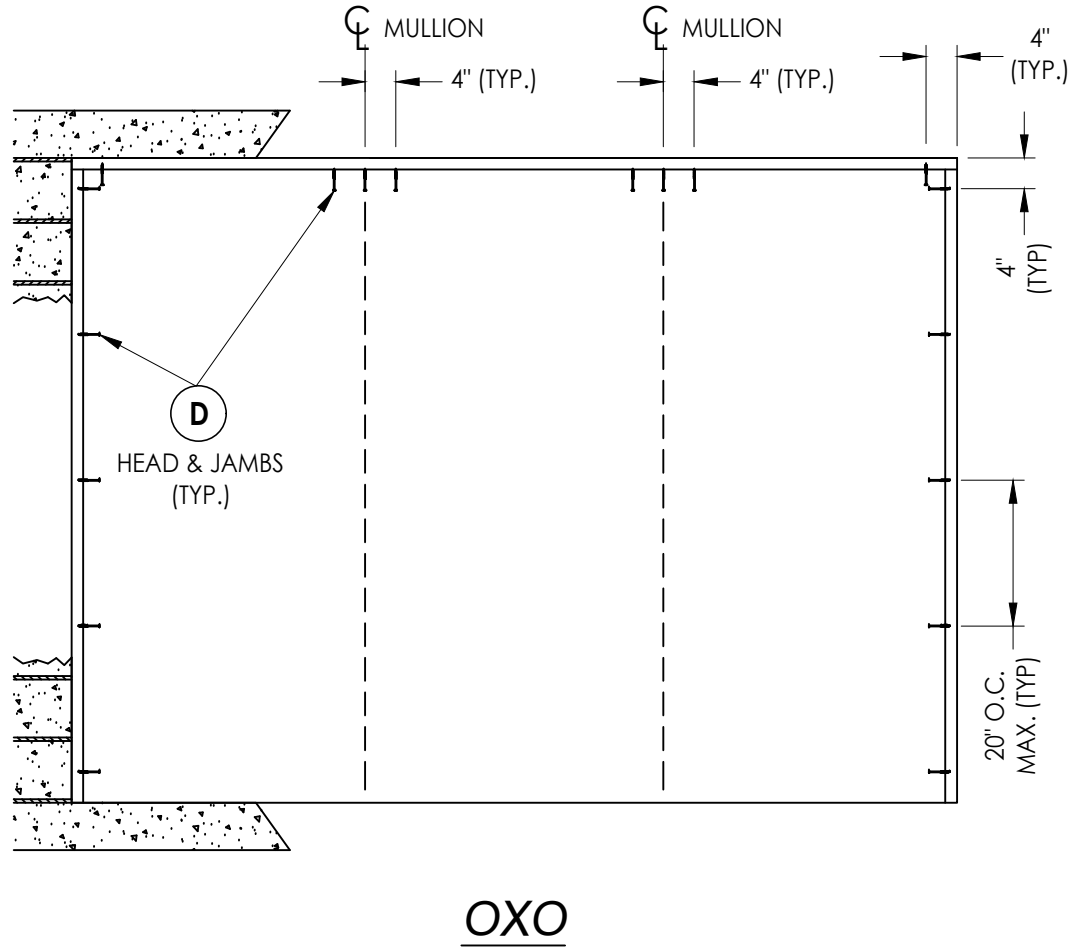
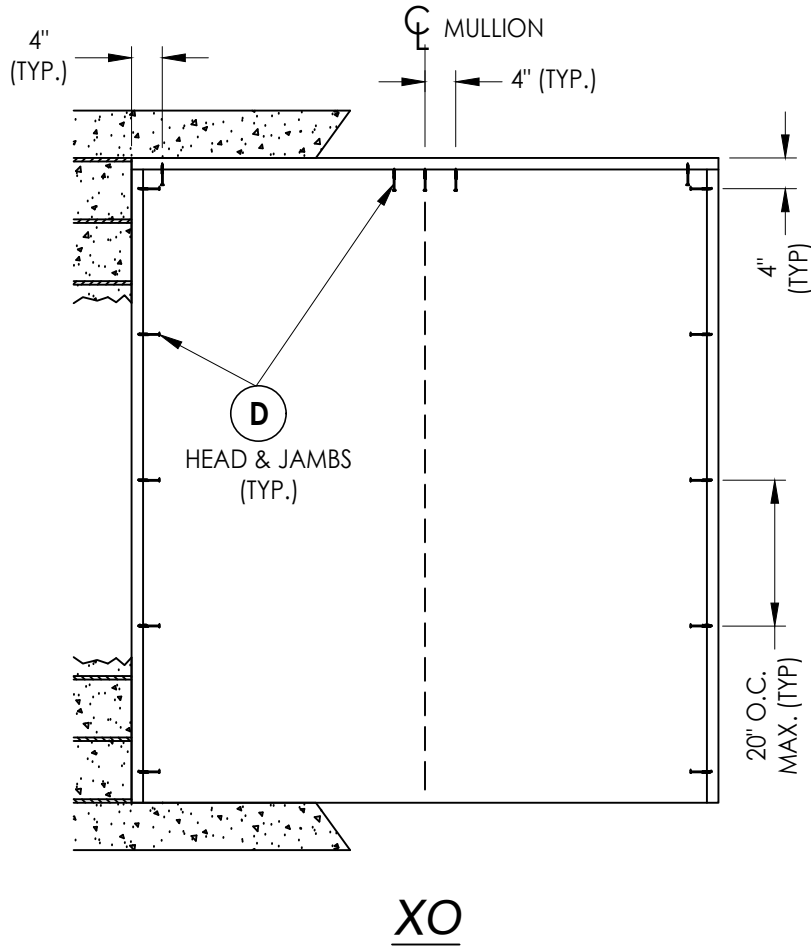
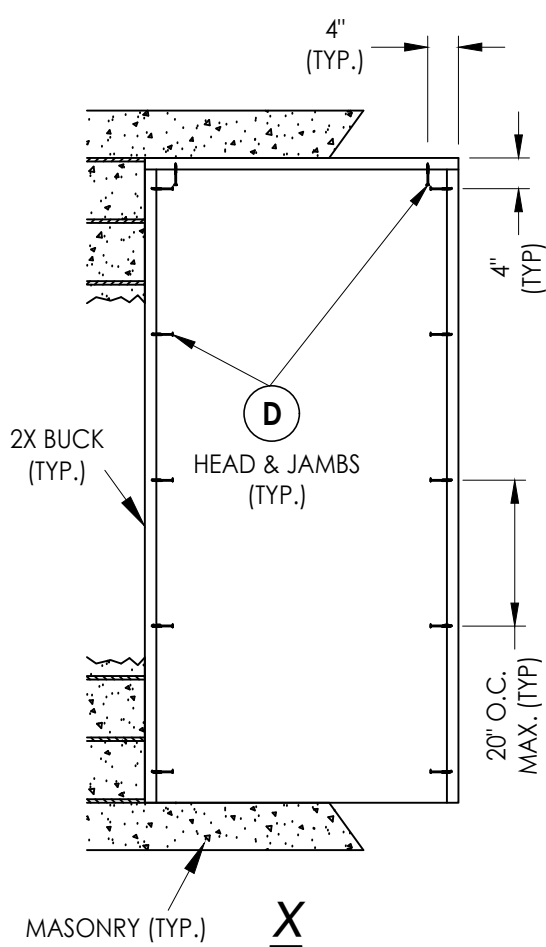
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ENDURA	PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	REVISONS	
		NO.	DATE
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC
3	8/10/20	UPDATE TO 7TH ED. (2020)	FBC
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC
1	4/16/16	ADD ALUMINUM ARTICULATING SILL	RW
DATE: 1/14/16		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-15384.18		SHEET 6 OF 10	



Trilennium® 3000
3 Point Lock

DATE: 1/14/16		PRODUCT: ENDURA		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: LOCK SET DETAILS		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15384.18					
SHEET 7 OF 10					

Z:\2023 FBC Drawings\Endura Products\FL-15384 R10\FL-15384.18.dwg



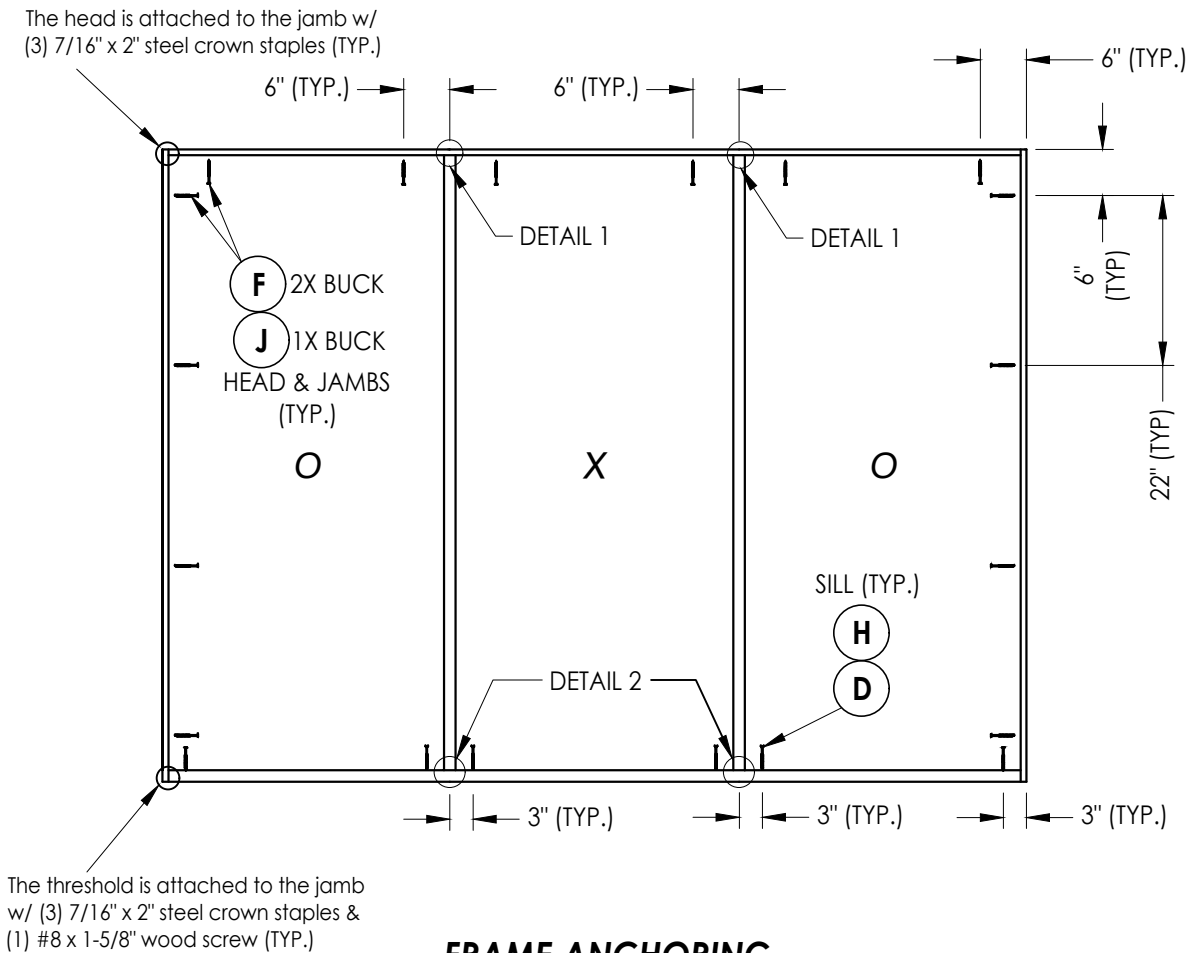
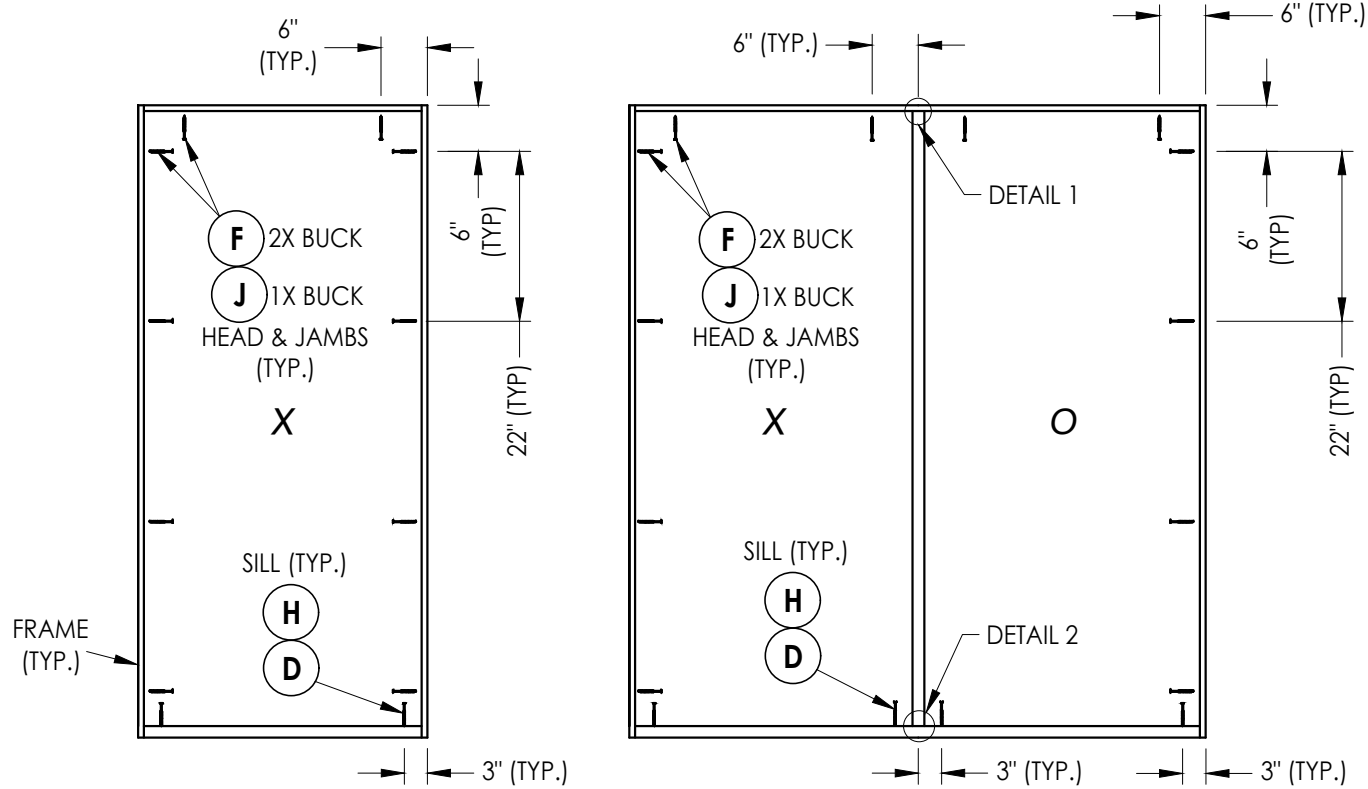
2X BUCK ANCHORING

DATE		NO.		DATE	
1/14/16		4		7/06/23	
N.T.S.		3		8/10/20	
JK		2		9/26/17	
LFS		1		4/16/16	
FL-15384.18				ADD ALUMINUM ARTICULATING SILL	
8 OF 10				REVISIONS	

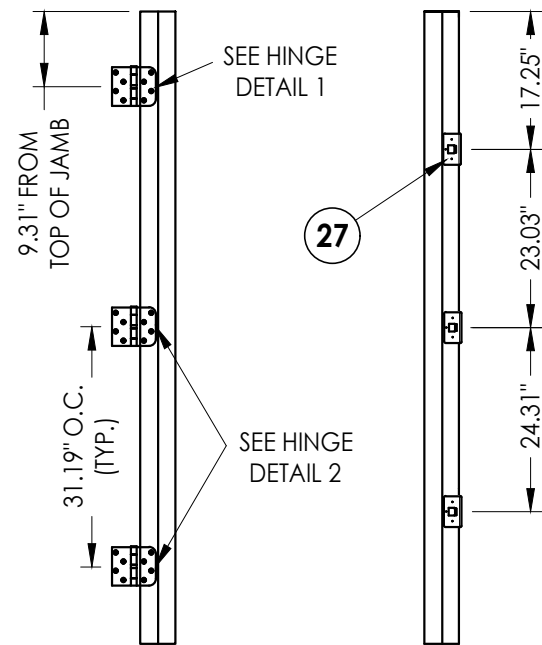
PRODUCT:	
ENDURA	
PART OR ASSEMBLY:	
BUCK ANCHORING	

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

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

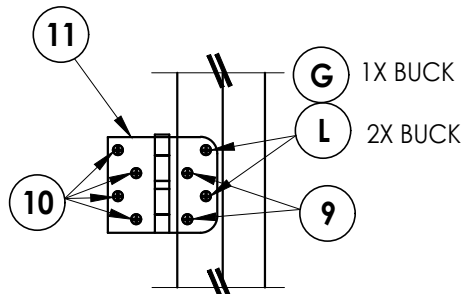


FRAME ANCHORING

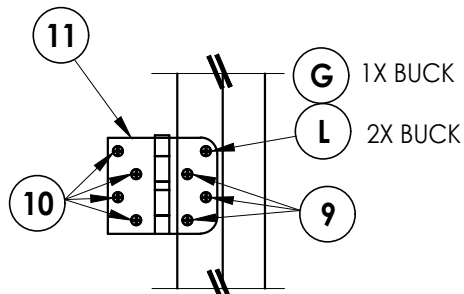


HINGE JAMB

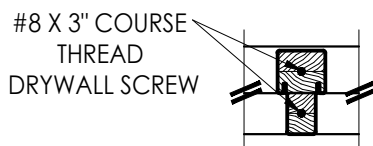
STRIKE JAMB



HINGE DETAIL 1

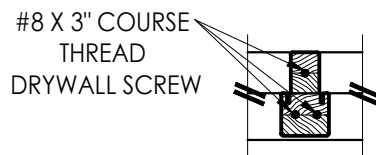


HINGE DETAIL 2



DETAIL 1

Integral million attachment



DETAIL 2

Integral million attachment

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 BUILDDEX 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:

1. 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.E. No. 43409

Lyndon F. Smith
P.E. No. 43409

RAI BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

PRODUCT: ENDURA

ENDURA

FOR ASSEMBLY:
FRAME ANCHORING
& HARDWARE DETAILS

4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	8/10/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
1	4/16/16	ADD ALUMINUM ARTICULATING SILL		RW
NO.	DATE	REVISIONS		

DATE: 1/14/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

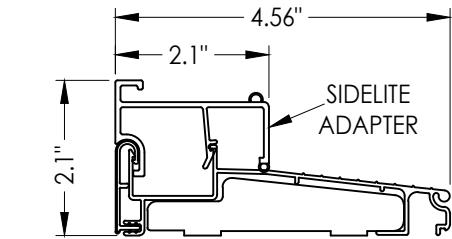
DRAWING NO.:

FL-15384.18

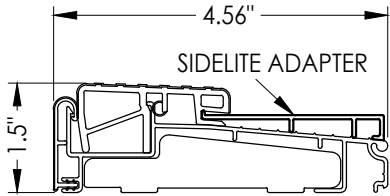
SHEET 9 OF 10

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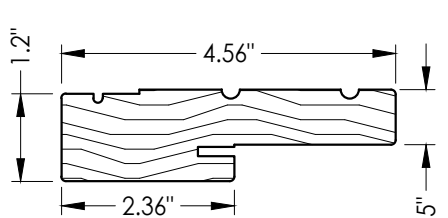
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" 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	#8 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
1	FINGER JOINT PINE JAMB (G >= 0.42)	WOOD
1A	FINGER JOINTED PINE JAMB (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
13	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
14	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
15	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
16	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
17	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
18	INSWING ARTICULATING THRESHOLD	ALUM/COMP
19	INSWING ARTICULATING THRESHOLD	ALUM/COMP
20	INSWING ARTICULATING THRESHOLD	ALUM/COMP
21	INSWING ARTICULATING THRESHOLD	ALUM/COMP
22	INSWING ARTICULATING THRESHOLD	ALUM/COMP
23	OUTSWING THRESHOLD	ALUM/COMP
24	OUTSWING THRESHOLD	ALUM/COMP
25	OUTSWING THRESHOLD	ALUM/COMP
26	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	BACKING PLATE	STEEL
31	#10 x 1-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR DETAILS	-
60	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
61	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP



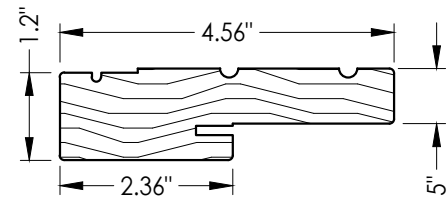
60 INSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



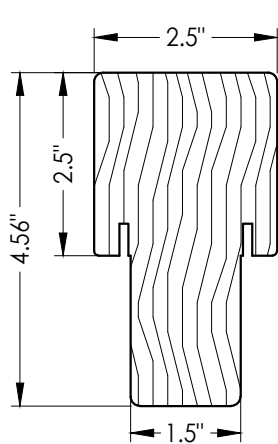
61 OUTSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



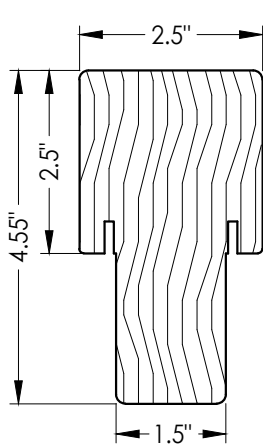
1 WOOD JAMB



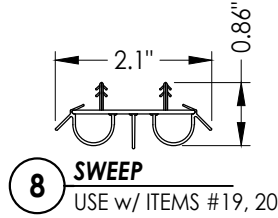
1A WOOD JAMB
FrameSaver (Endura)



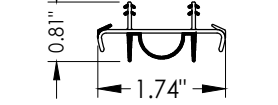
2 INTEGRAL MULLION



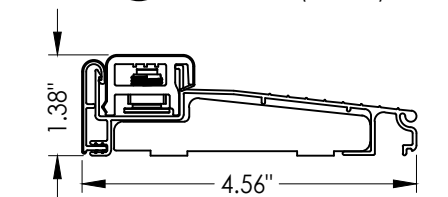
2A INTEGRAL MULLION
FrameSaver (Endura)



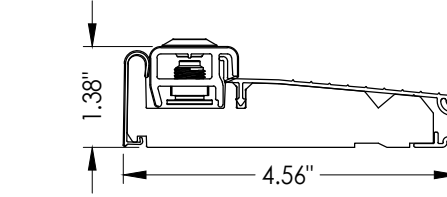
8 SWEEP
USE w/ ITEMS #19, 20



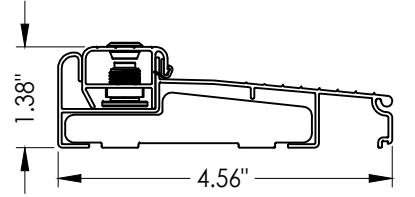
8A ARTICULATING SWEEP
USE w/ ITEM #24



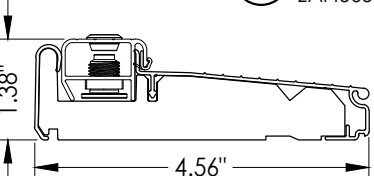
13 INSWING ADJUSTABLE THRESHOLD
ZAIL4565



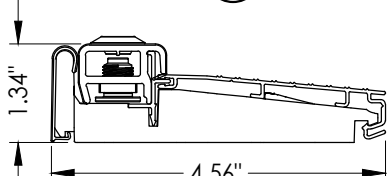
14 INSWING ADJUSTABLE THRESHOLD
ZAI4565FN



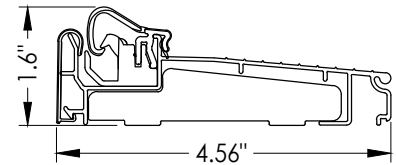
15 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



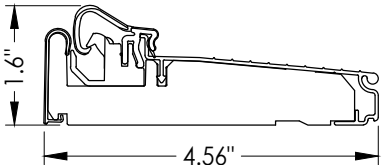
16 INSWING ADJUSTABLE THRESHOLD
ZAI4565FN



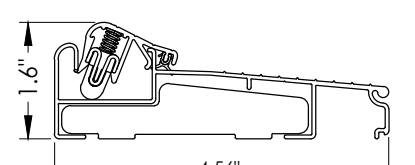
17 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS



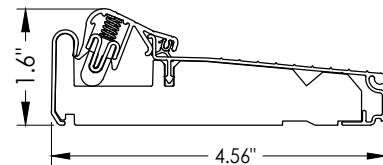
18 INSWING ARTICULATING THRESHOLD
ZACL4565



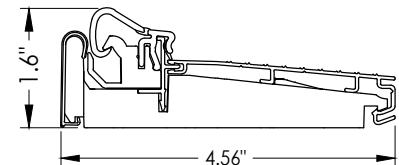
19 INSWING ARTICULATING THRESHOLD
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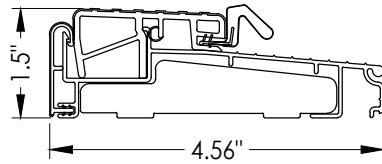
20 INSWING ARTICULATING THRESHOLD
ZACLAA4565



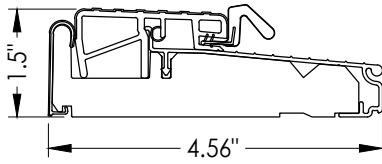
21 INSWING ARTICULATING THRESHOLD
ZACAA4565FN



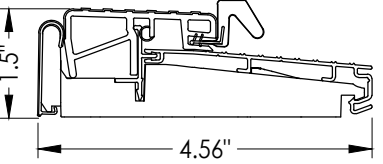
22 INSWING ARTICULATING THRESHOLD
ZAC4565RDS



23 OUTSWING THRESHOLD
ZOBL4565



24 OUTSWING THRESHOLD
ZOB4565FN



25 OUTSWING THRESHOLD
ZOB4565RDS

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

PRODUCT: ENDURA

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

			LFS	
		UPDATE TO 8TH ED. (2023) FBC	LFS	
		UPDATE TO 7TH ED. (2020) FBC	LFS	
		UPDATE TO 6TH ED. (2017) FBC	LFS	
		ADD ALUMINUM ARTICULATING SILL	RW	
		NO. DATE	BY	
		REVISIONS		

DATE: 1/14/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15384.18

SHEET 10 OF 10