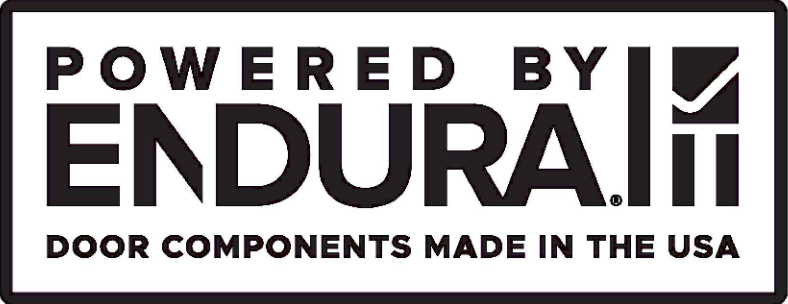


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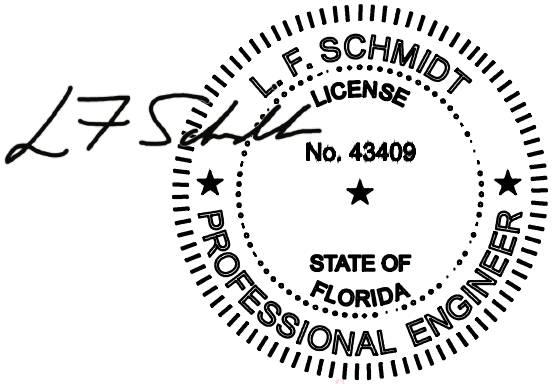


TRILENNIUM®
MULTI-POINT LOCK
w/ Plastpro Opaque Fiberglass Single Door w/ Sidelite(s)
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

- 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. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

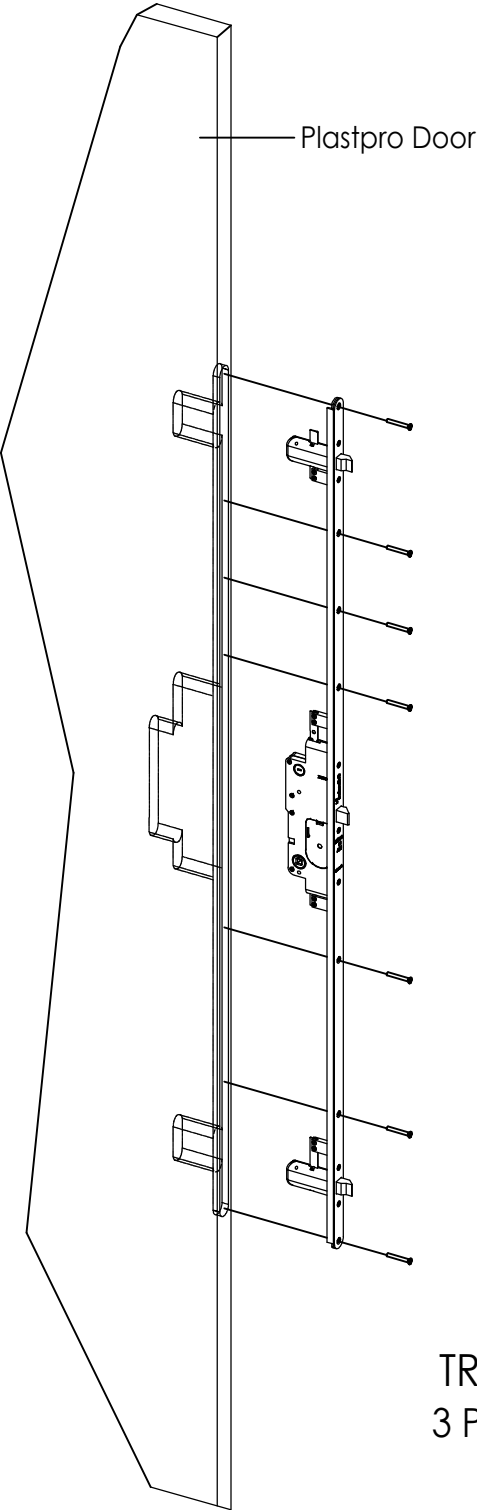
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Door panel details
3	Sidelite panel details
4	Elevations
5	Vertical cross sections
6	Horizontal cross sections
7	Lock set details
8	Buck anchoring
9	Frame anchoring & hardware details
10	Bill of materials and components



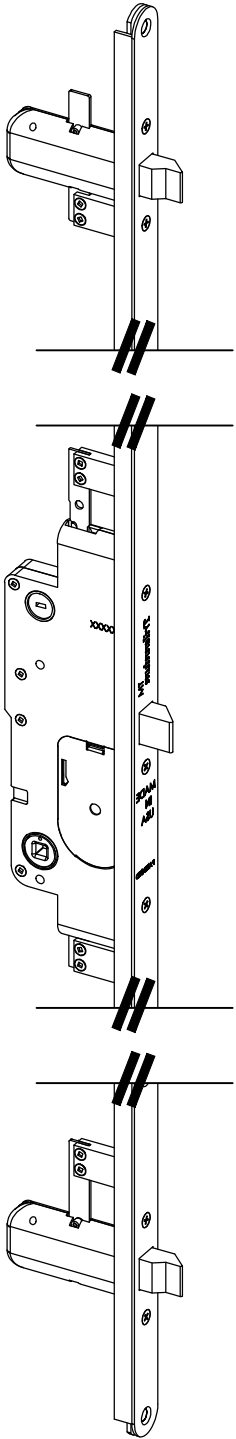
Digitally signed by Lyndon F Schmidt
Date: 2026.07.19 09:36:10 -04'00'

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



TRILENNIUM®
3 POINT LOCK
"3000"



TRILENNIUM® MULTI-POINT LOCK by ENDURA				
MAXIMUM FRAME SIZE			DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
PLASTPRO Opaque (Fiberglass)	INSWING	112.25" x 97.69"	+35.0	-40.0
	OUTSWING	112.25" x 97.12"	+40.0	-40.0

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

ENDURA

Part or Assembly:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

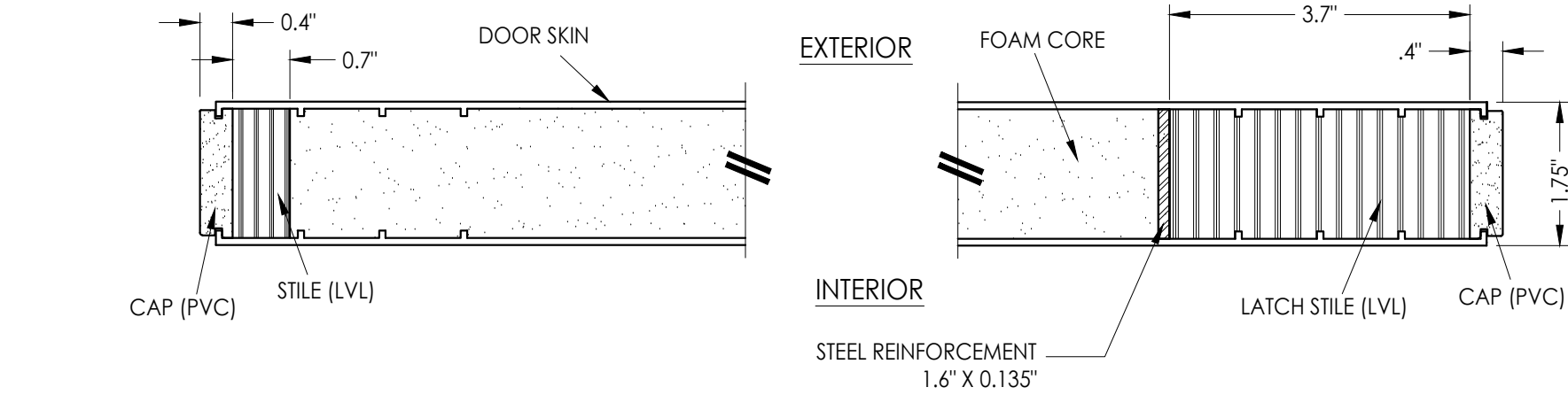
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4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
1	4/16/16	ADD ALUMINUM ARTICULATING SILL	RW	BY
NO.	DATE	REVISIONS		

DATE: 1/14/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15384.19
SHEET 1 OF 10

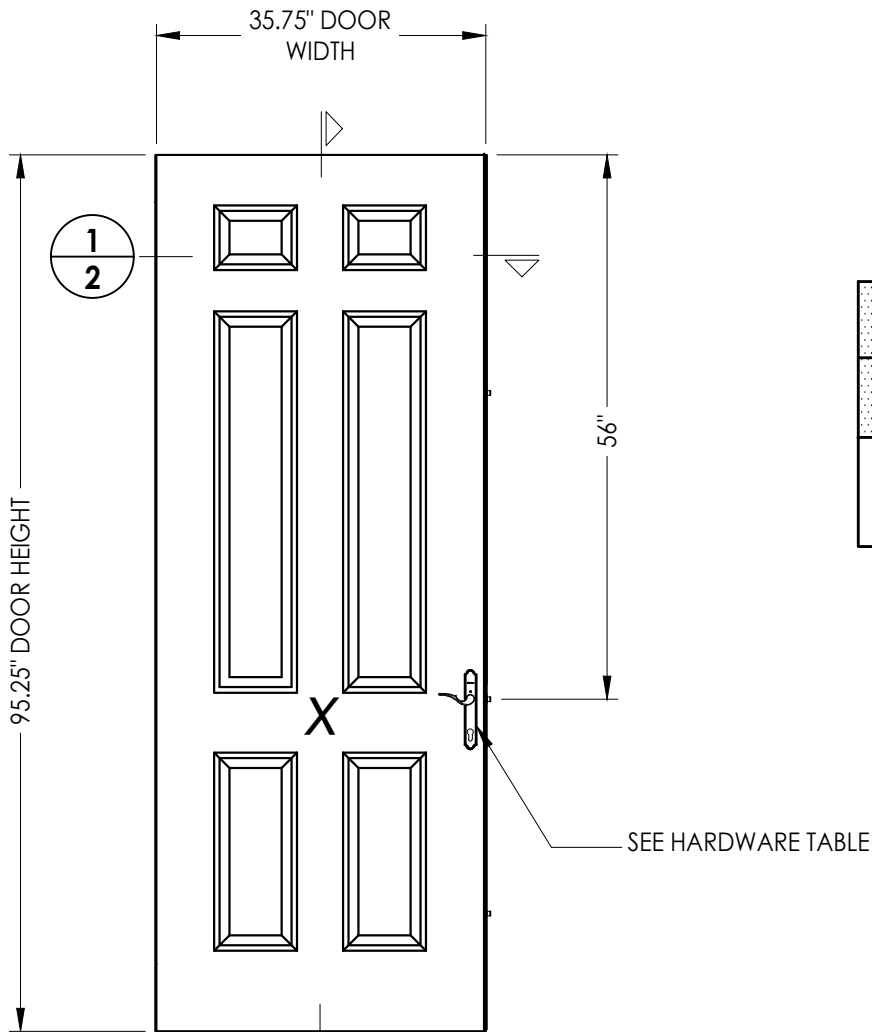
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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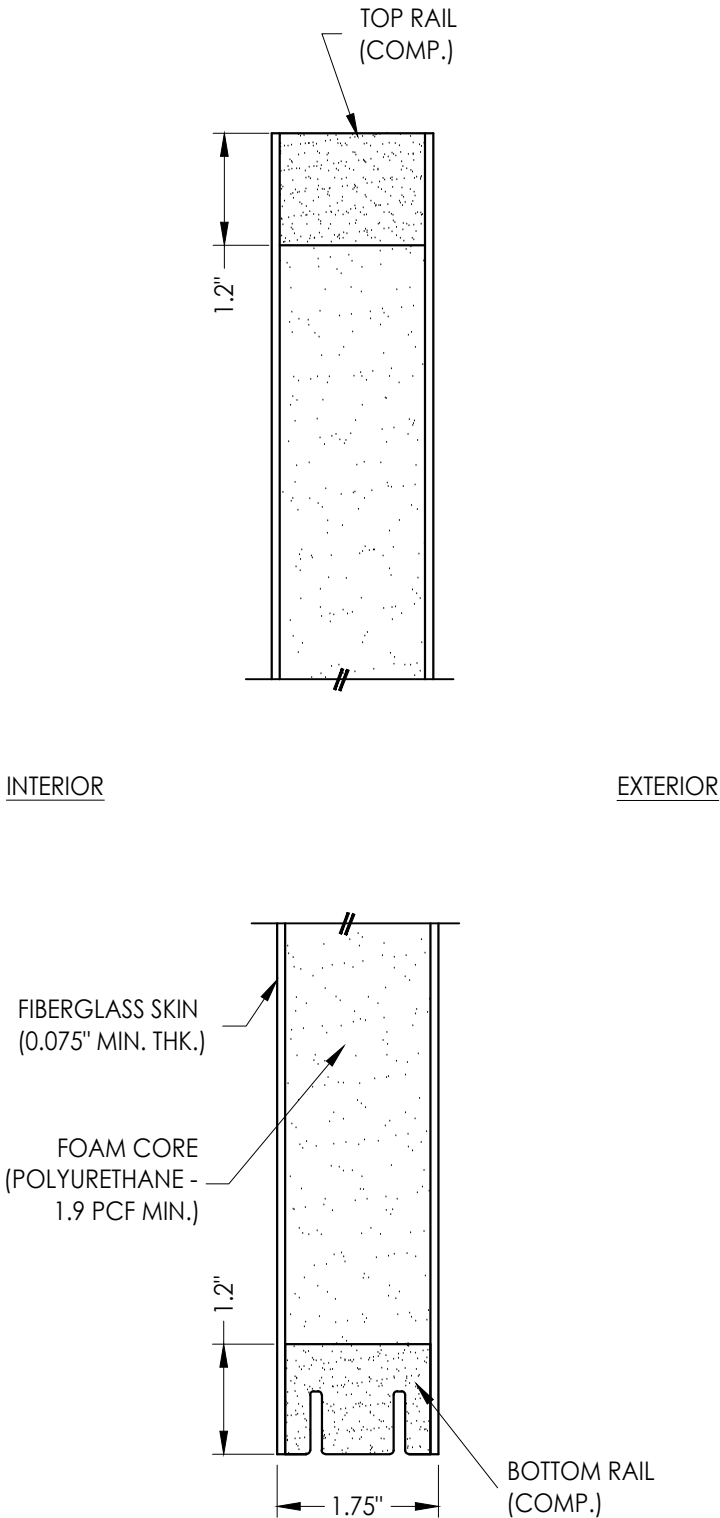


1
2 **HORIZONTAL CROSS SECTION**



2
2 **DOOR PANEL**
Plastpro Fiberglass

Hardware Table	
Manufacturer	Model
Endura	Trilennium® 3000 Series Multi-point lock (3pt.)



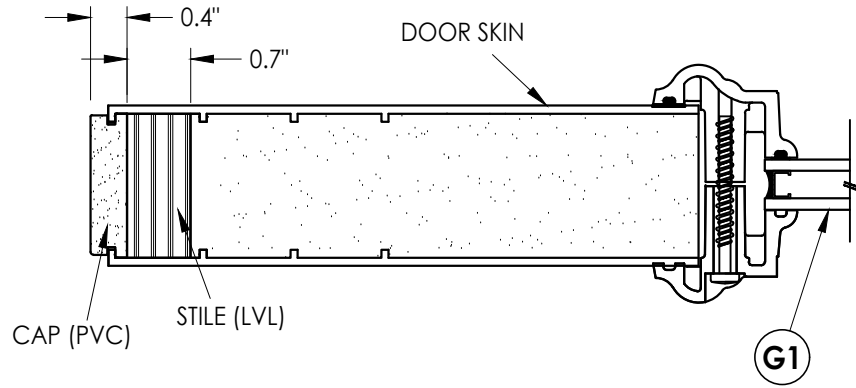
2
2 **VERTICAL CROSS SECTION**

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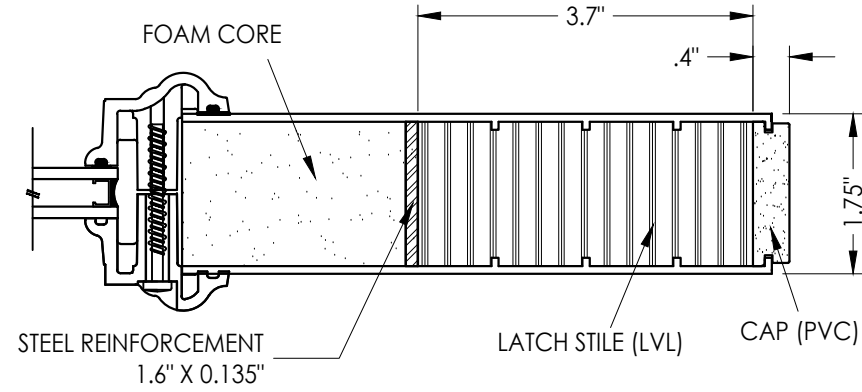
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1	4/16/16	ADD ALUMINUM ARTICULATING SILL	RW
NO.	DATE		BY
REVISIONS			
DATE: 1/14/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15384.19			
SHEET 2 OF 10			

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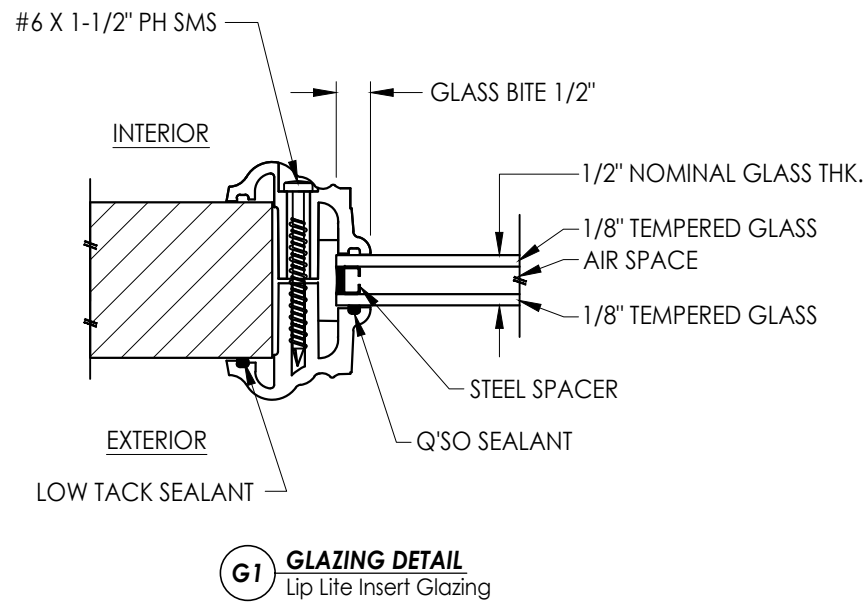


EXTERIOR

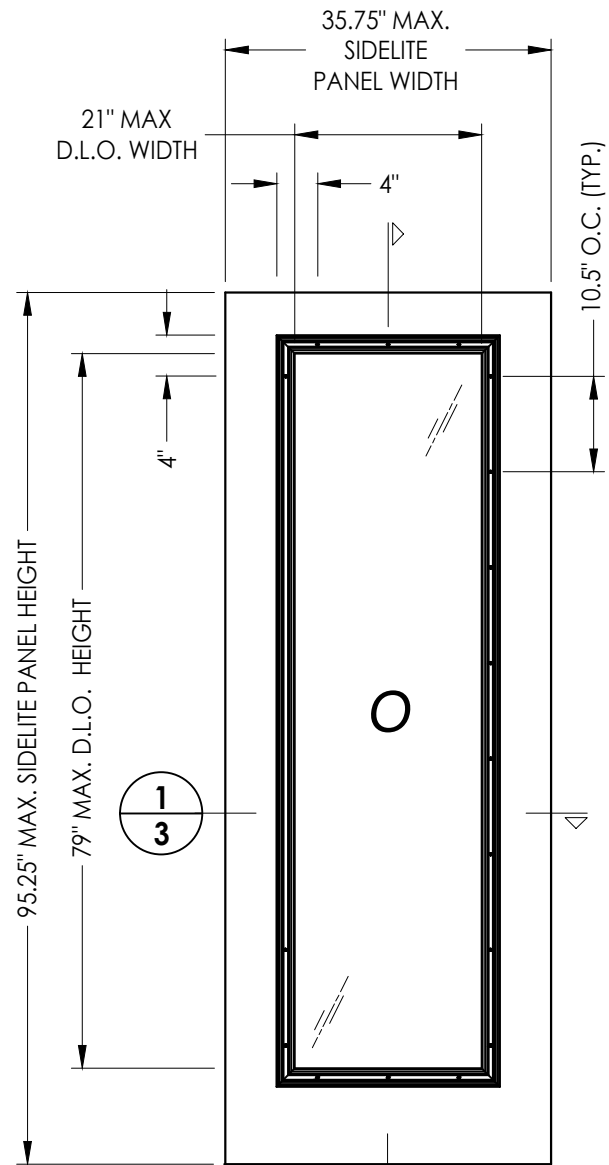
INTERIOR



1
3 HORIZONTAL CROSS SECTION

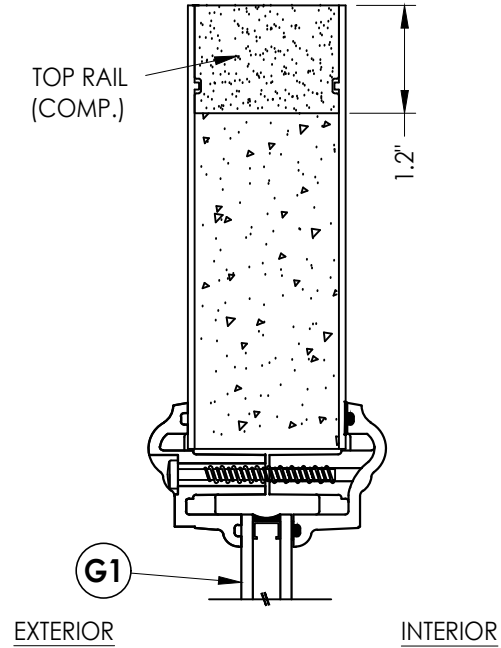


G1 GLAZING DETAIL
Lip Lite Insert Glazing



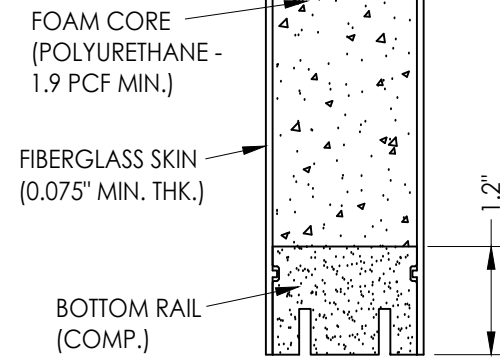
50 SIDELITE PANEL

2
3



EXTERIOR

INTERIOR



2
3 VERTICAL CROSS SECTION

Documents Prepared By:
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PRODUCT: ENDURA

NO.	DATE	REVISIONS	BY
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
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1	4/16/16	ADD ALUMINUM ARTICULATING SILL	RW

DATE: 1/14/16

SCALE: N.T.S.

DWG. BY: JK

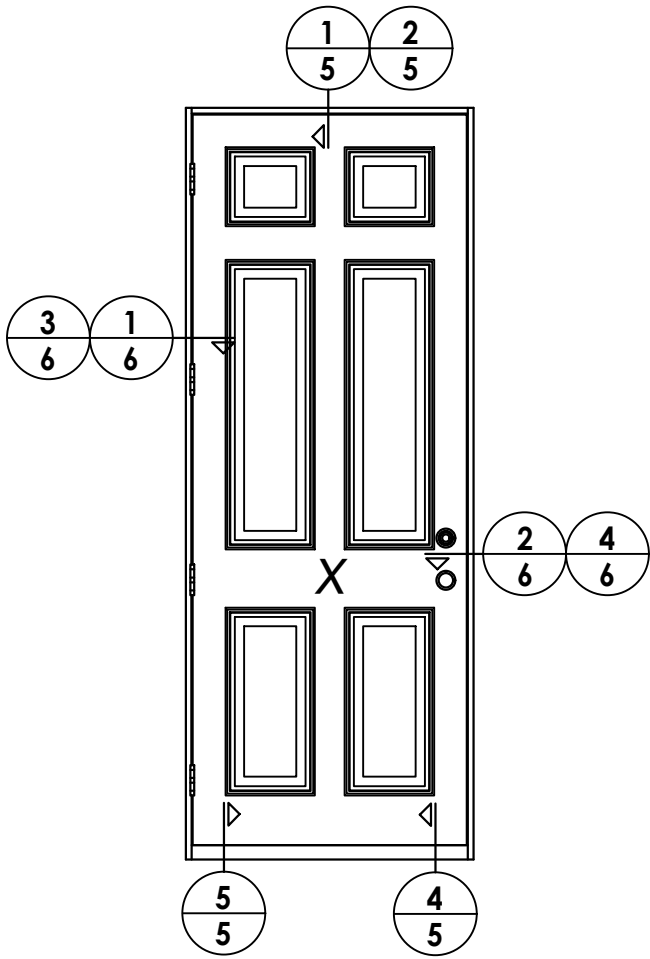
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DRAWING NO.:
FL-15384.19

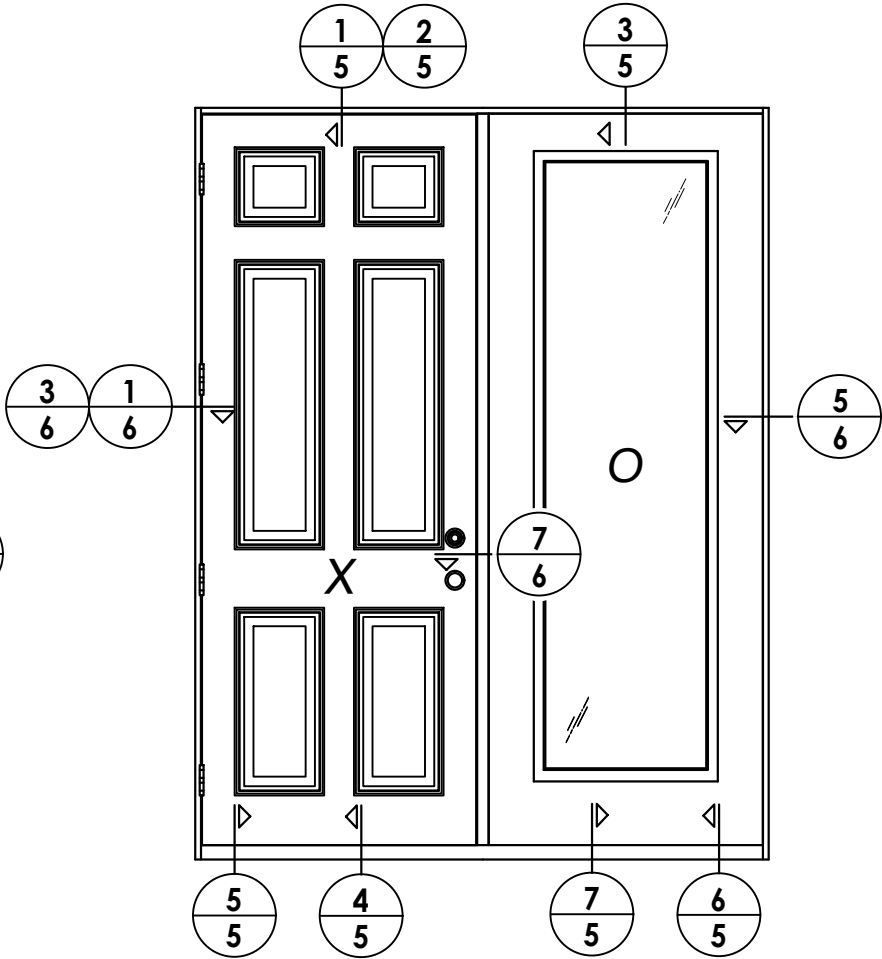
SHEET 3 OF 10

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Phone No.: 813.659.9197
FBPE Registry No. 9813

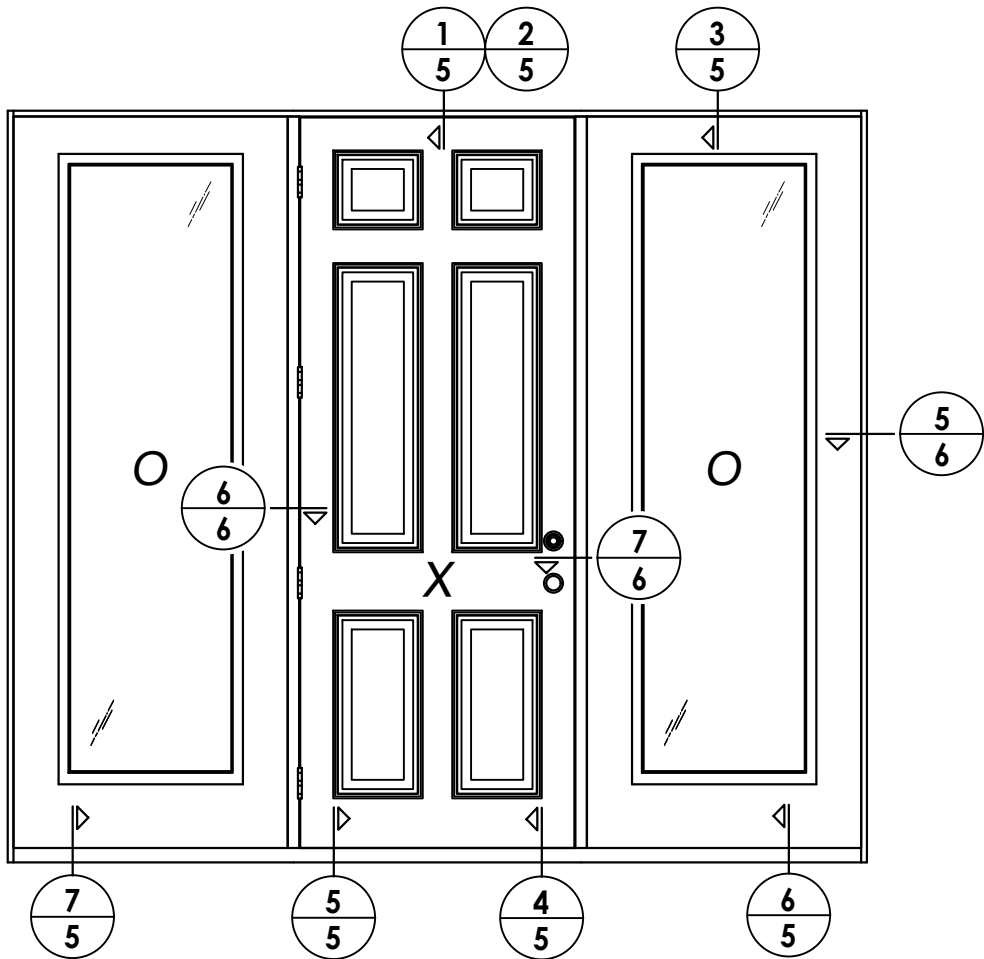
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ELEVATION
X



ELEVATION
XO / OX



ELEVATION
OXO

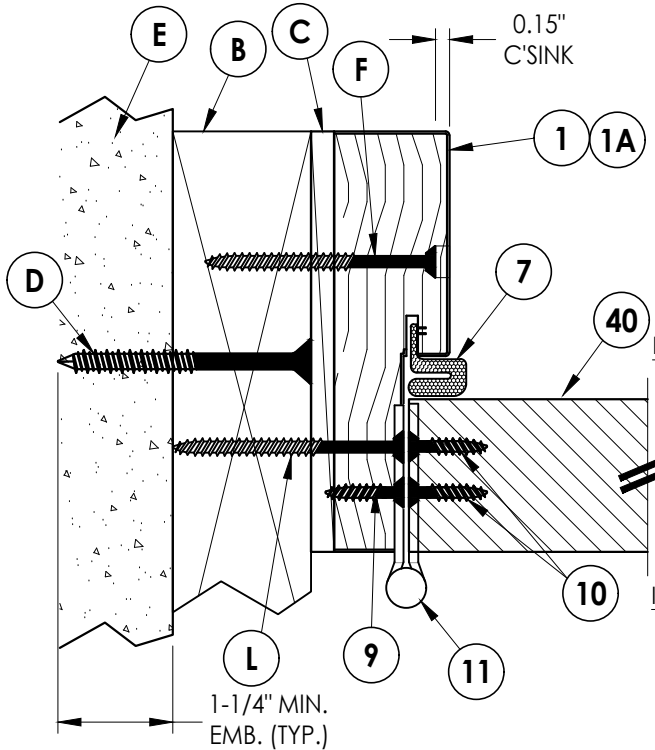
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4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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DATE: 1/14/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15384.19
SHEET 4 OF 10

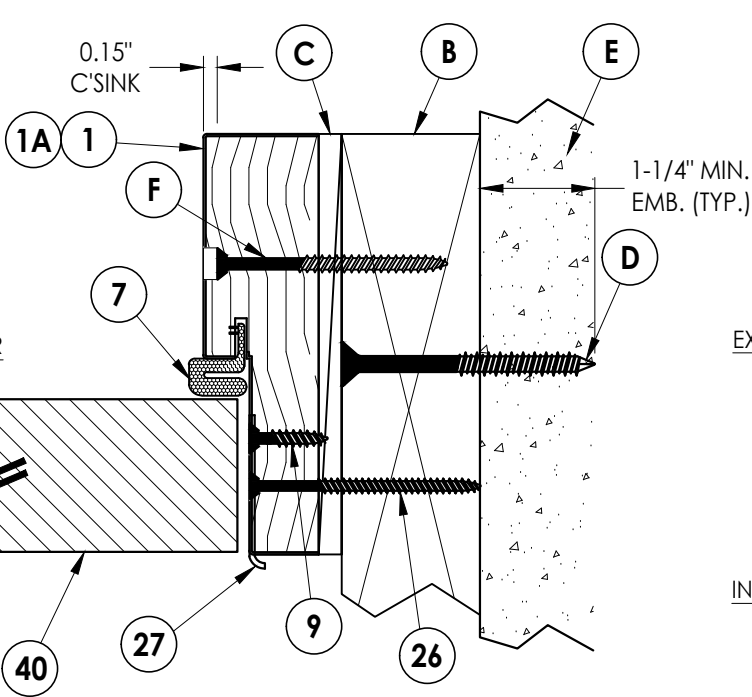
PRODUCT: ENDURA
PART OR ASSEMBLY: ELEVATIONS

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

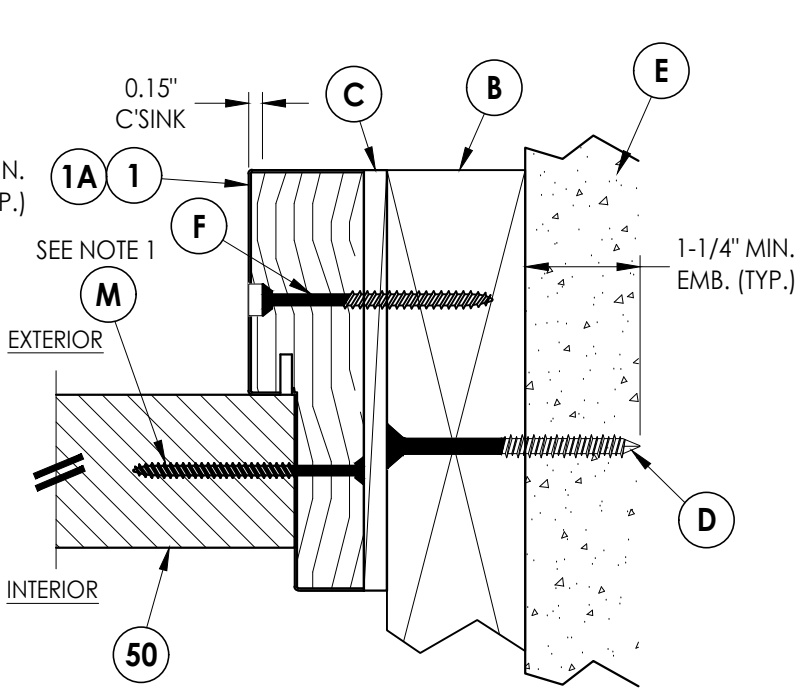
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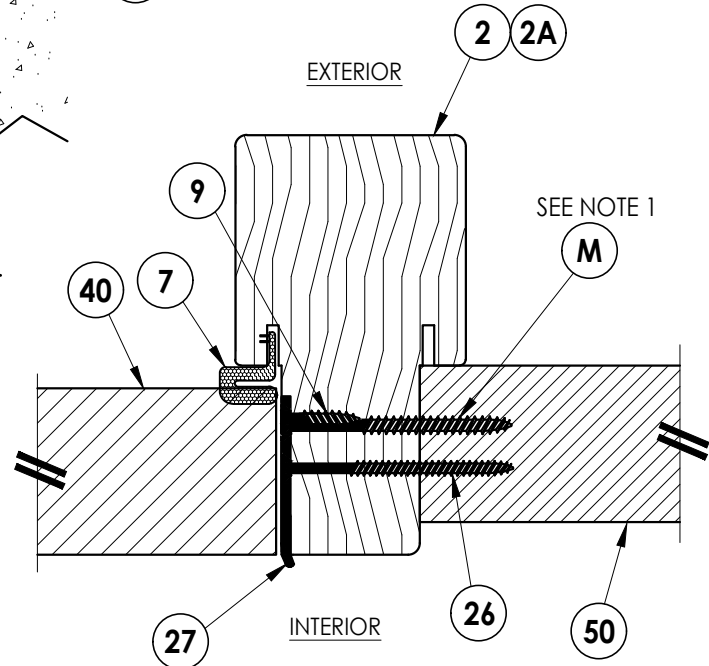
1 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



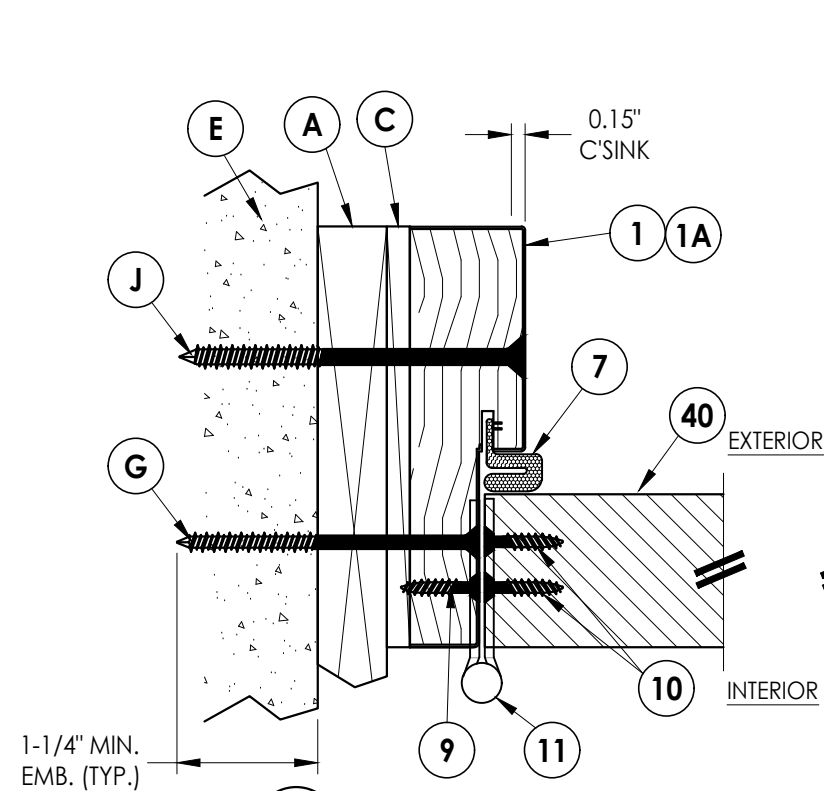
2 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



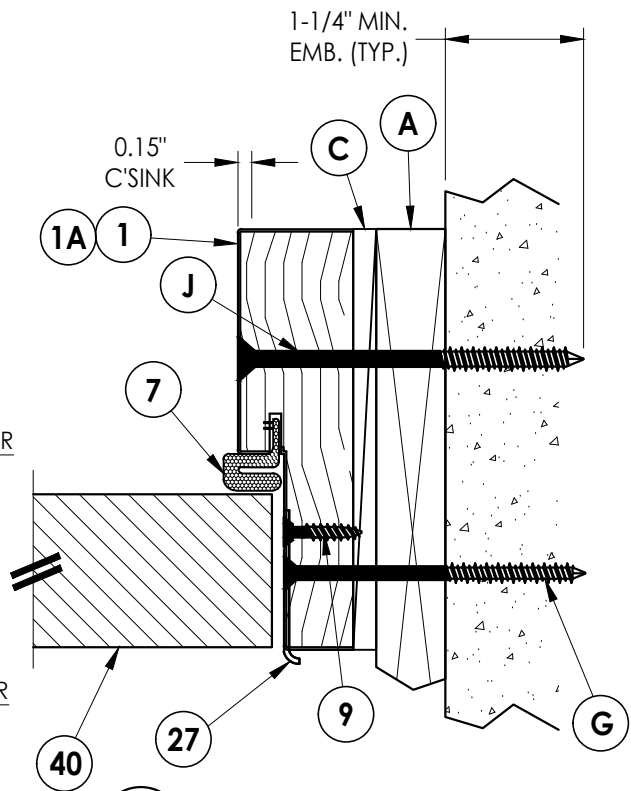
5 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



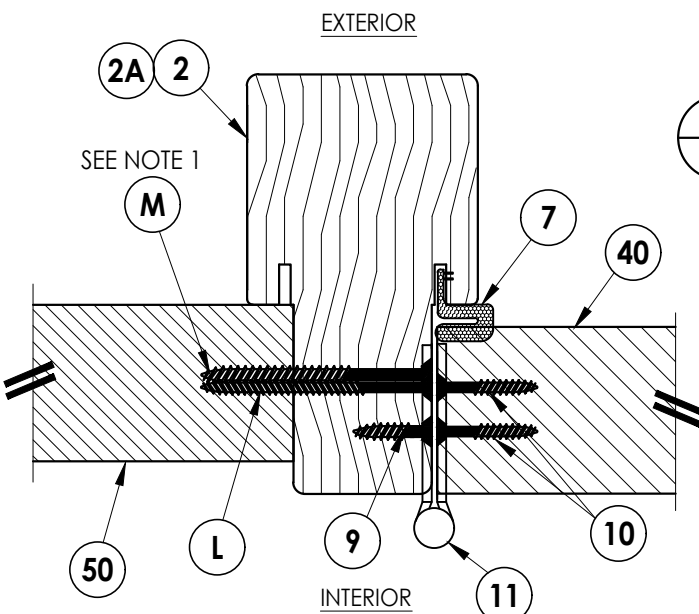
7 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)



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", 32.5", 57" and 84.5" from head to sill (4 total).

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ENDURA

PART OR ASSEMBLY:
HORIZONTAL CROSS
SECTIONS

NO.	DATE	REVISIONS
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC
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
NO.	DATE	BY

DATE: 1/14/16

SCALE: N.T.S.

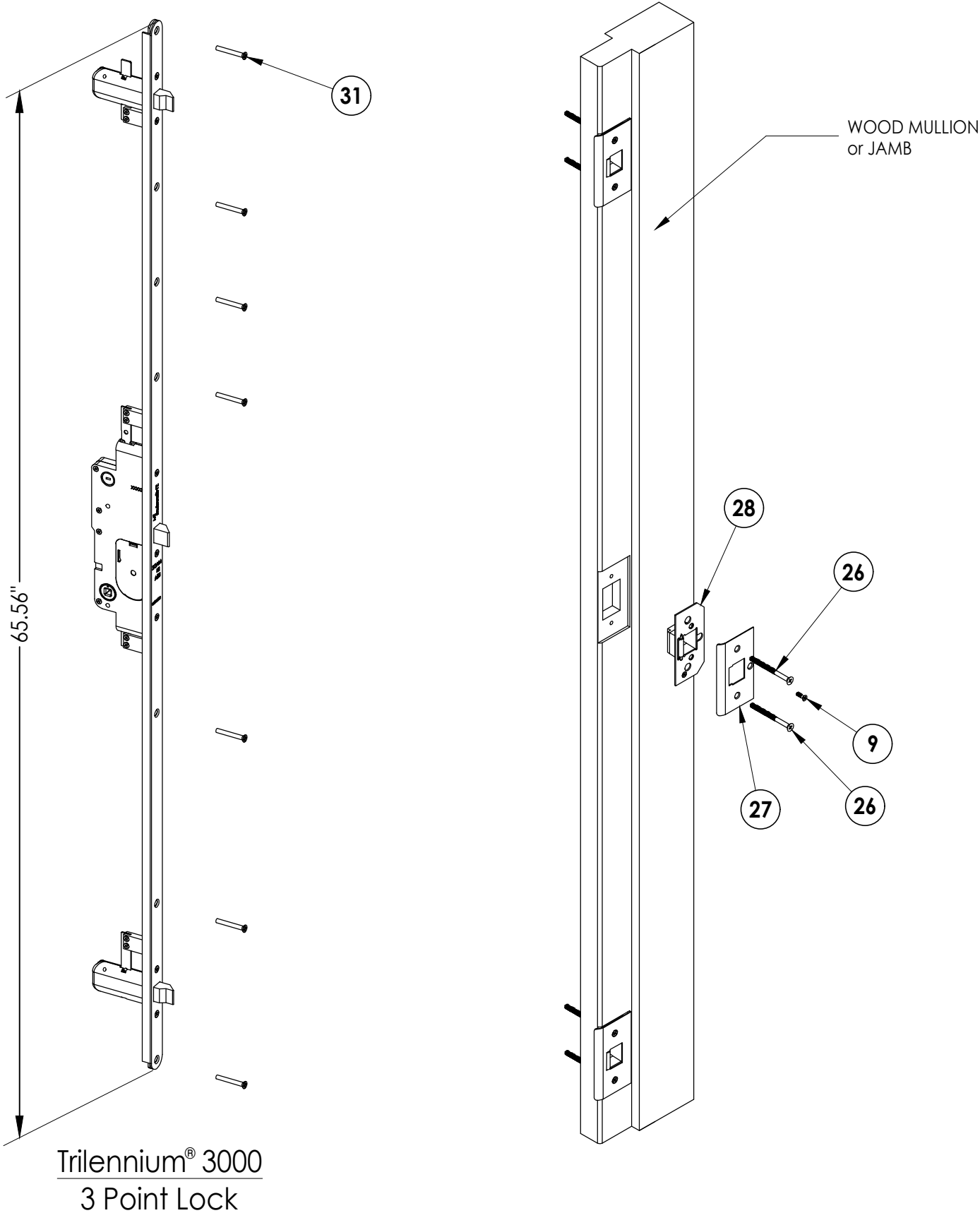
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CHK. BY: LFS

DRAWING NO.:

FL-15384.19

SHEET 6 OF 10



DATE: 1/14/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15384.19

SHEET 7 OF 10

NO.	DATE	REVISIONS
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4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
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NO.	DATE	BY

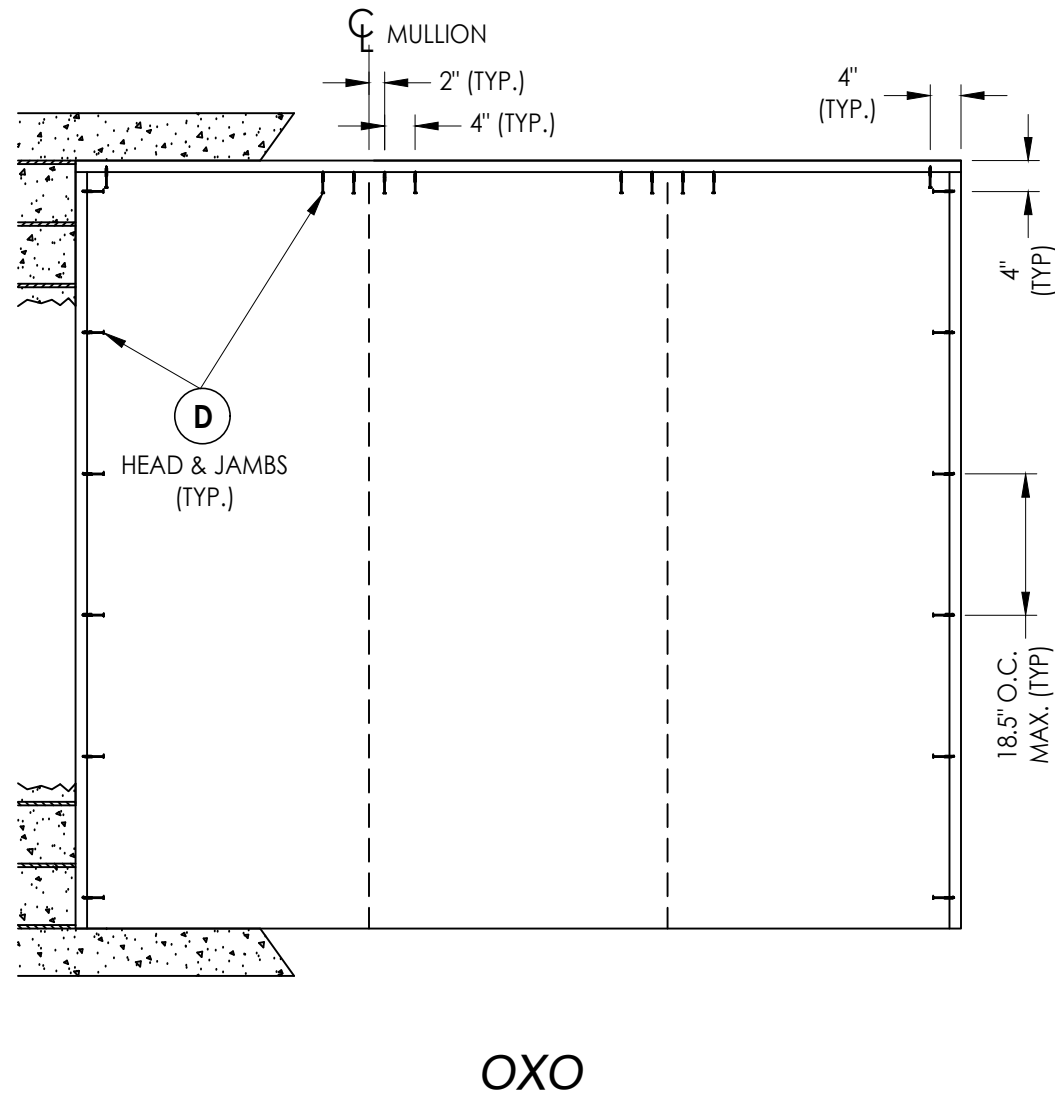
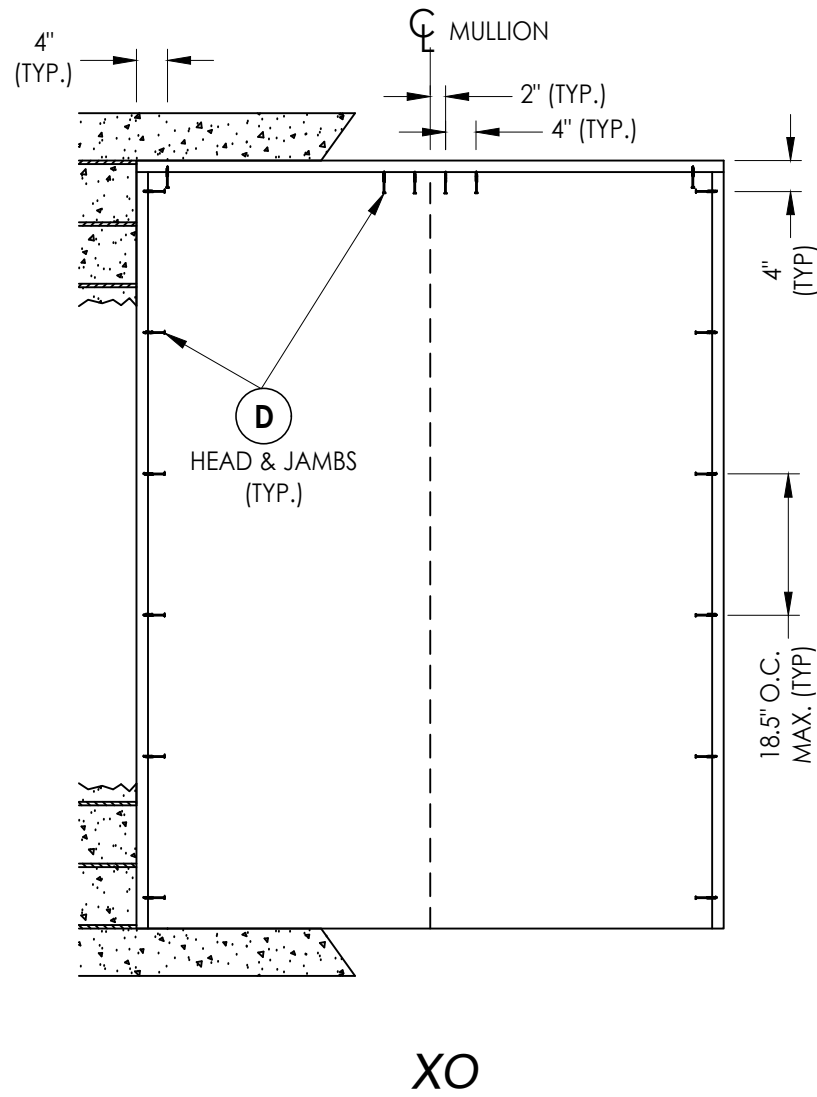
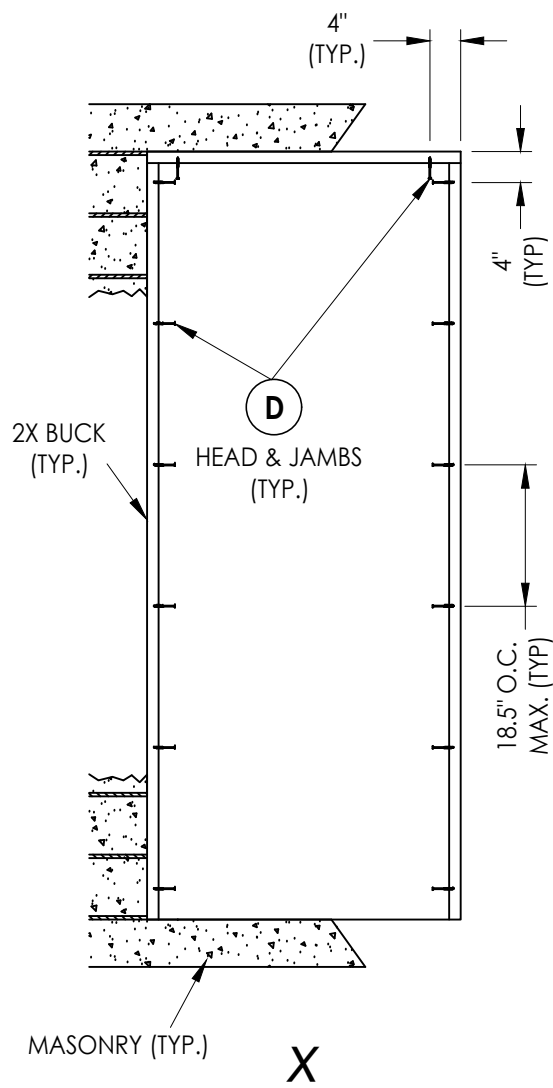
PRODUCT: ENDURA

PART OR ASSEMBLY: LOCK SET DETAILS

Documents Prepared By:
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2X BUCK ANCHORING

NO.	DATE	REVISIONS			
		DATE	BY	REVISIONS	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
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-15384.19

SHEET 8 OF 10

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

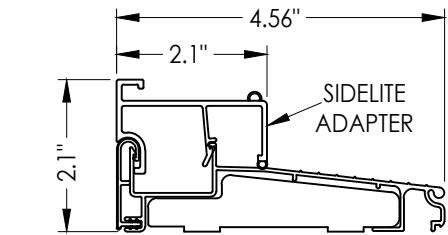
PRODUCT: ENDURA

PART OR ASSEMBLY:
BUCK ANCHORING

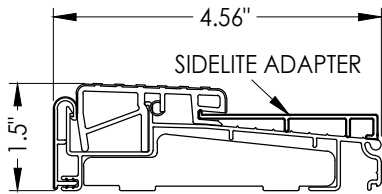
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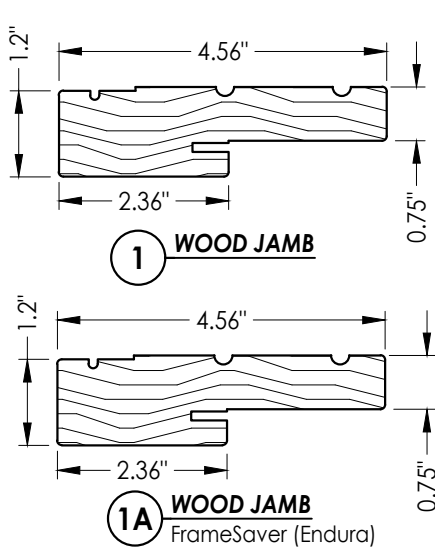
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" 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)

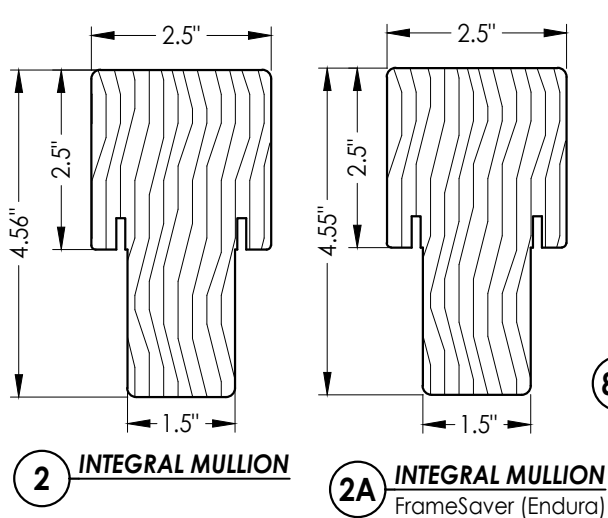


61 OUTSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



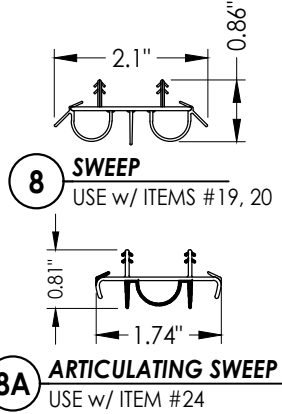
1 WOOD JAMB

1A WOOD JAMB
FrameSaver (Endura)



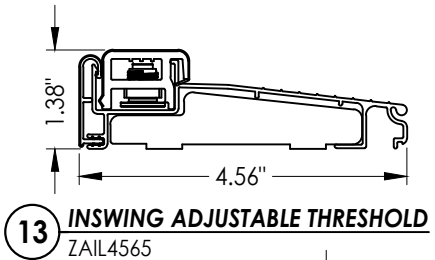
2 INTEGRAL MULLION

2A INTEGRAL MULLION
FrameSaver (Endura)

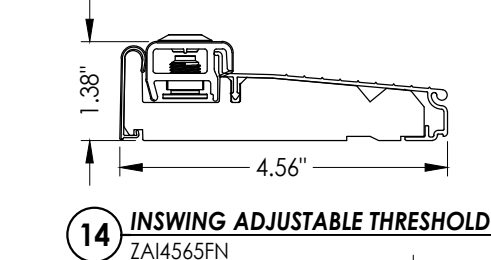


8 SWEEP
USE w/ ITEMS #19, 20

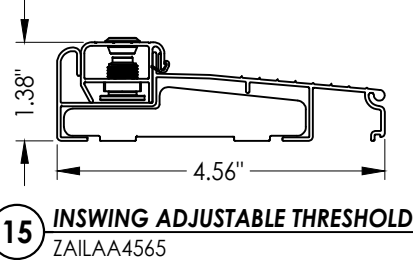
8A ARTICULATING SWEEP
USE w/ ITEM #24



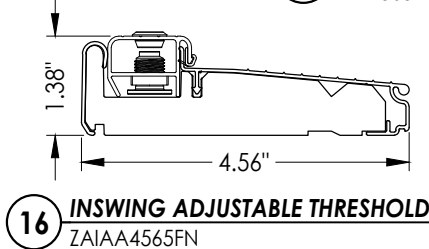
13 INSWING ADJUSTABLE THRESHOLD
ZAIL4565



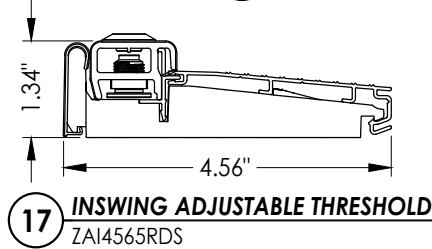
14 INSWING ADJUSTABLE THRESHOLD
ZAI4565FN



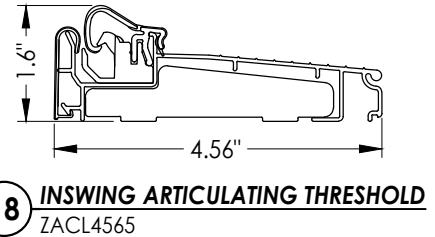
15 INSWING ADJUSTABLE THRESHOLD
ZAILAA4565



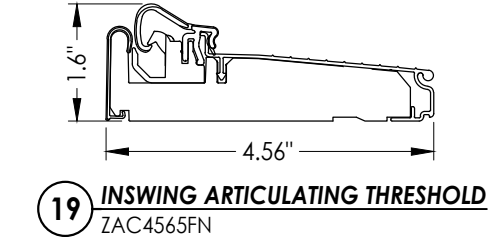
16 INSWING ADJUSTABLE THRESHOLD
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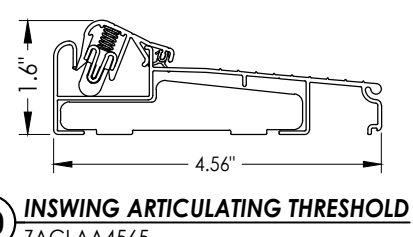
17 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS



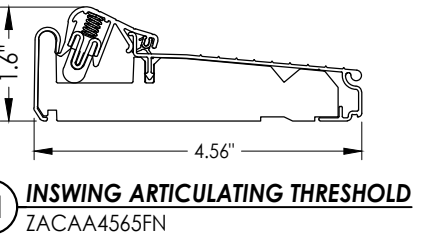
18 INSWING ARTICULATING THRESHOLD
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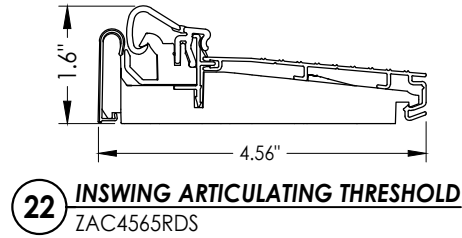
19 INSWING ARTICULATING THRESHOLD
ZAC4565FN



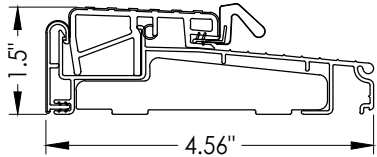
20 INSWING ARTICULATING THRESHOLD
ZACLAA4565



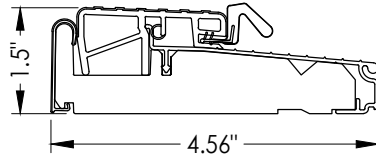
21 INSWING ARTICULATING THRESHOLD
ZACAA4565FN



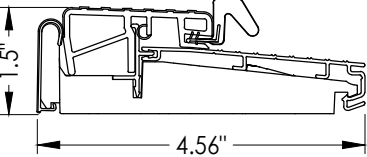
22 INSWING ARTICULATING THRESHOLD
ZAC4565RDS



23 OUTSWING THRESHOLD
ZOBL4565



24 OUTSWING THRESHOLD
ZOB4565FN



25 OUTSWING THRESHOLD
ZOB4565RDS

Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

PRODUCT: ENDURA

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

		LFS	FBC	FBC	FBC	FBC	FBC	RW	BY
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC						
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						
NO.	DATE	REVISIONS							

DATE: 1/14/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15384.19

SHEET 10 OF 10