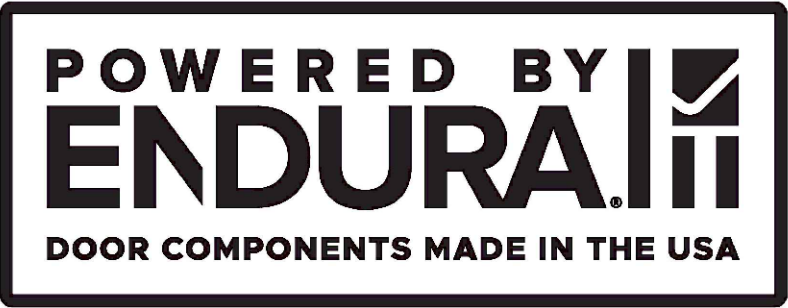


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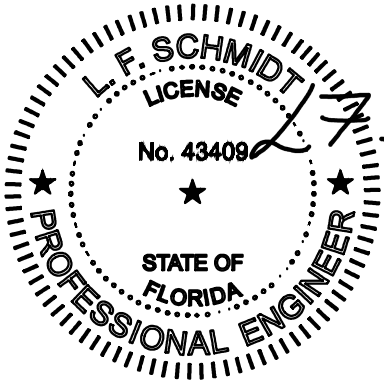


TRILENNIUM®
MULTI-POINT LOCK
w/ Plastpro Glazed Fiberglass Single Door
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using threshold items #31 & 32 meet water infiltration requirements for "HVHZ".
8. Inswing configurations and outswing configurations using threshold item #30 do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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

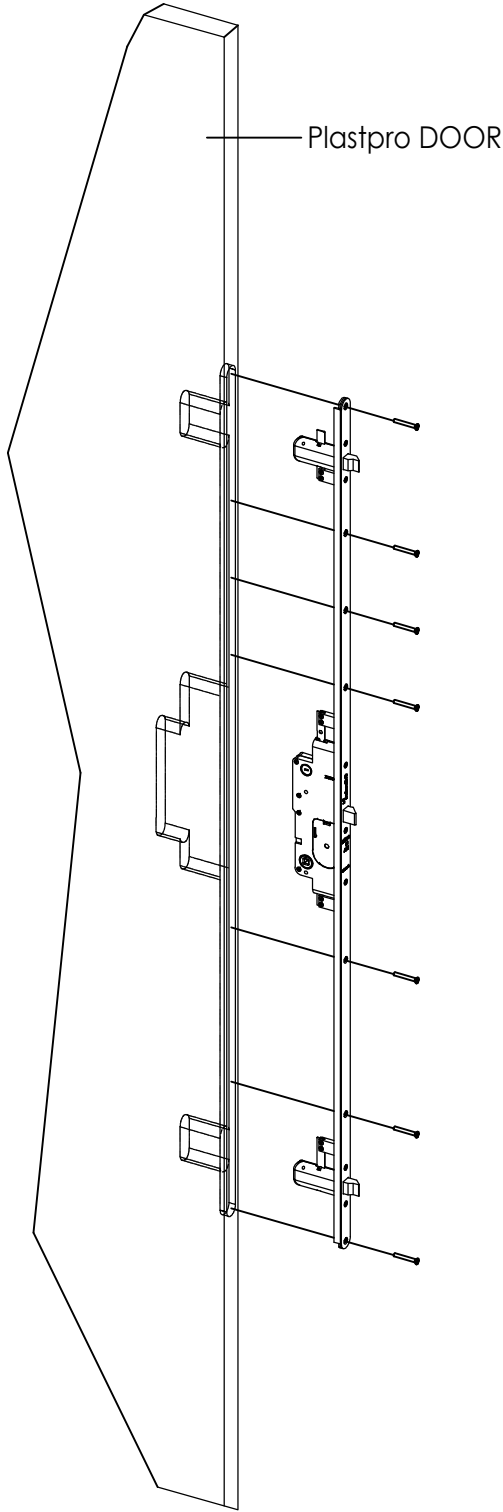


Digitally signed by Lyndon F Schmidt
Date: 2023.09.01 11:56:00 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.

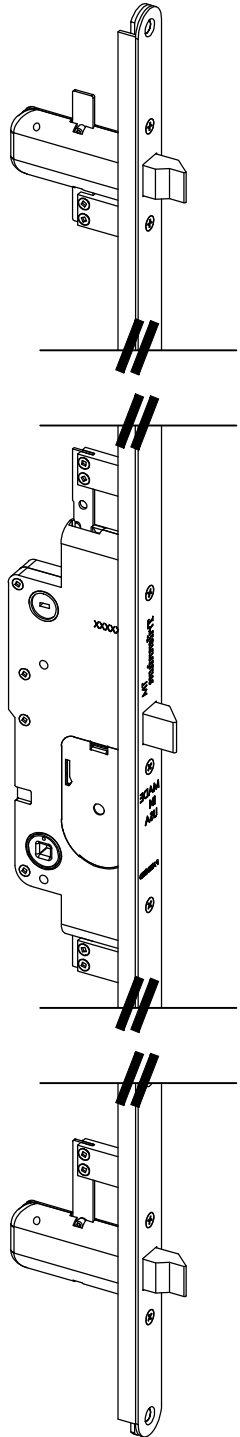
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



TRILENNIUM®
3 POINT LOCK
"3000"

SWING	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
OUTSWING	37.50" x 97.125"	+60.0	-60.0
INSWING	37.50" x 98.00"	+60.0	-60.0



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

ENDURA

TRILENNIUM®
3 POINT LOCK
"3000"

4	7/06/23	UPDATE TO 8TH ED. (2023) FBC & REVISE ODL ALUM LITE FRAME	LFS
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC	LFS
1	12/07/15	REVISED COMPONENTS	LFS
NO.	DATE		BY

REVISIONS

DATE: 8/27/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

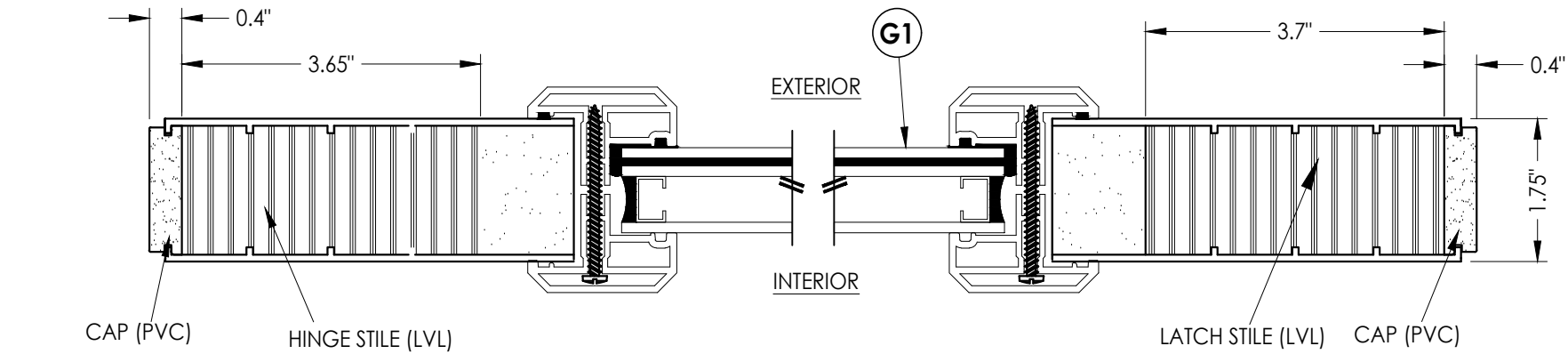
DRAWING NO.: FL-15384.8

SHEET 1 OF 8

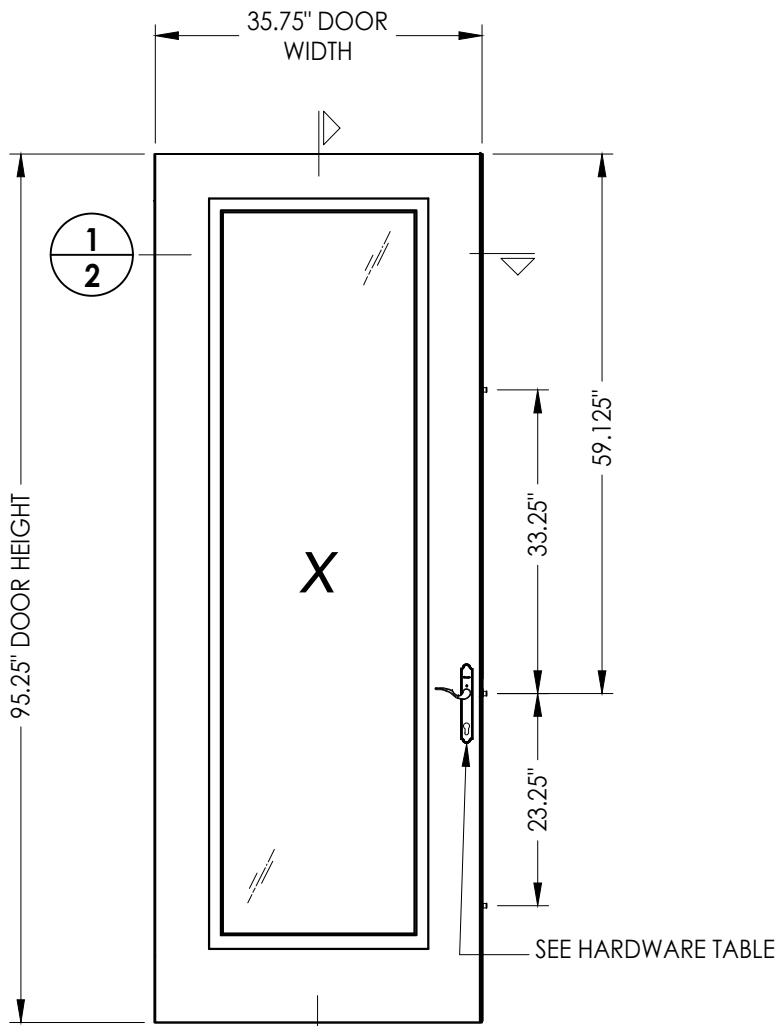
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Phone No.: 813.659.9197
FBPE Registry No. 9813

TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES

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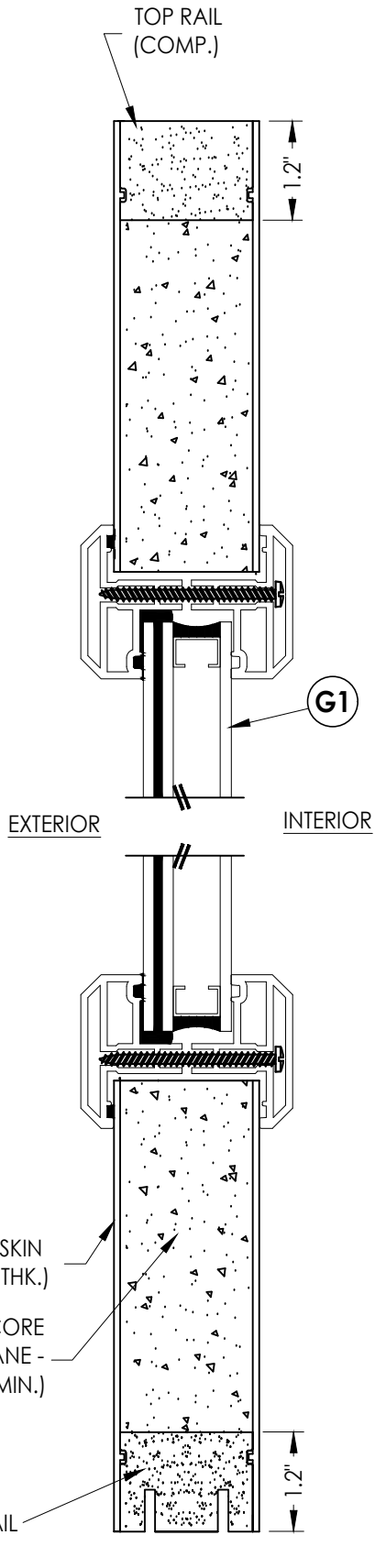


1
2 **HORIZONTAL CROSS SECTION**



40 **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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FBPE Registry No. 9813

PRODUCT: **ENDURA**

PART OR ASSEMBLY: **DOOR PANEL DETAILS**

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC & REVISE ODL ALUM LITE FRAME
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC
1	12/07/15	REVISED COMPONENTS
NO.	DATE	BY

DATE: 8/27/15

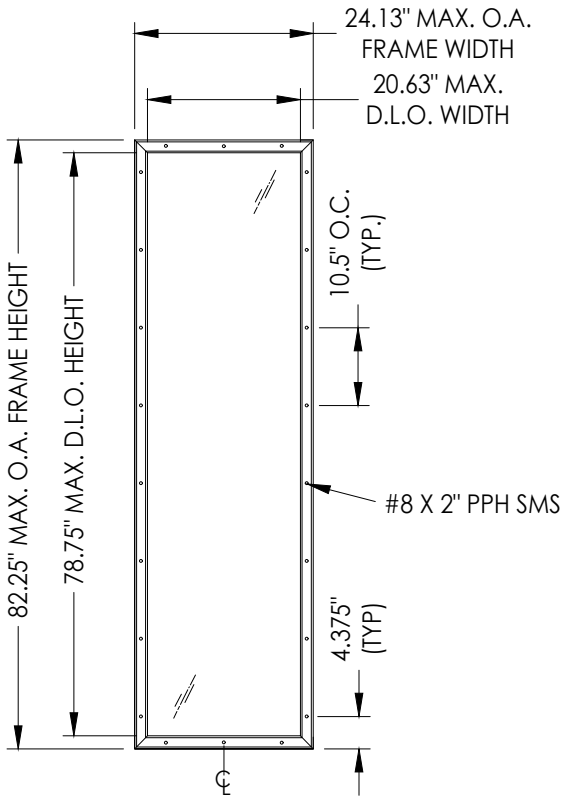
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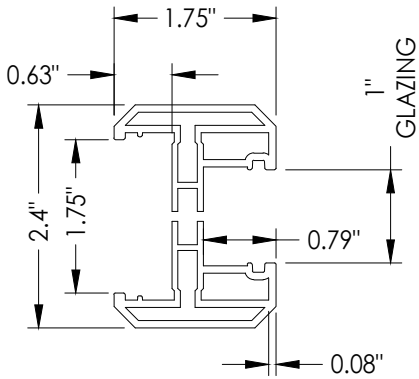
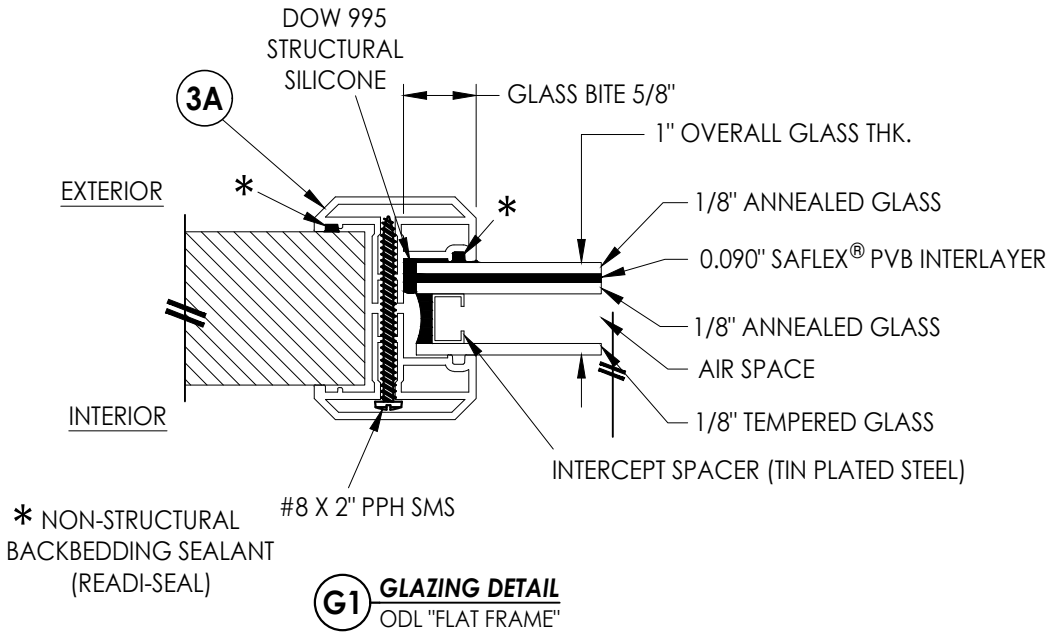
CHK. BY: LFS

DRAWING NO.: FL-15384.8

SHEET 2 OF 8

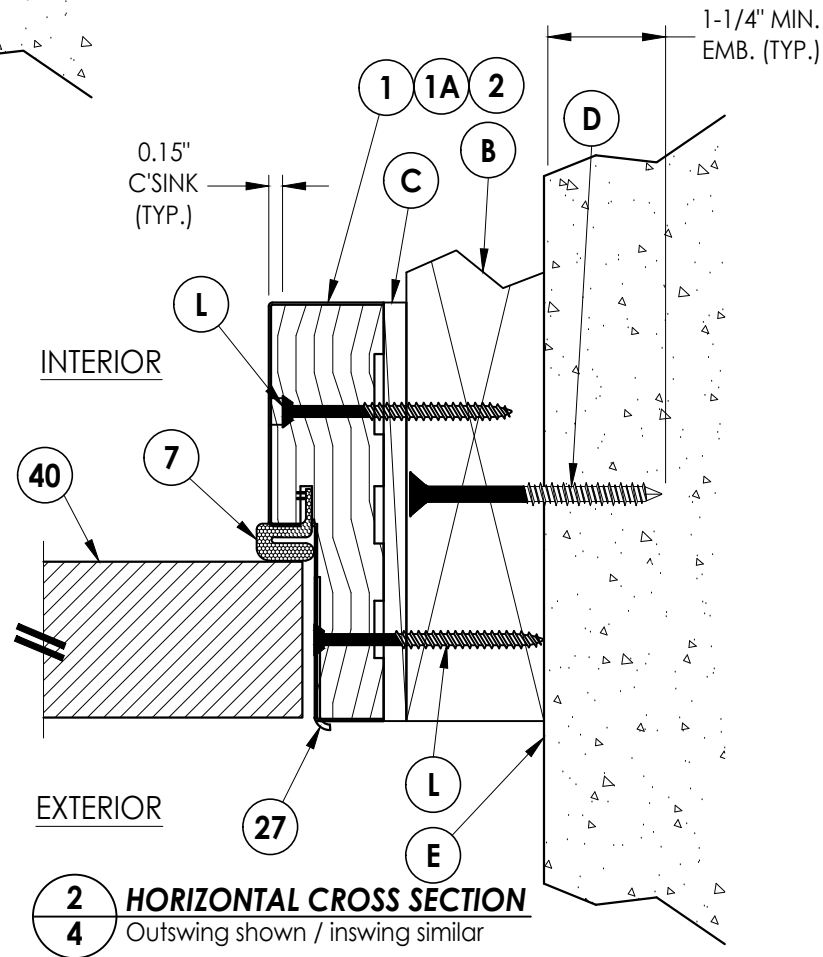
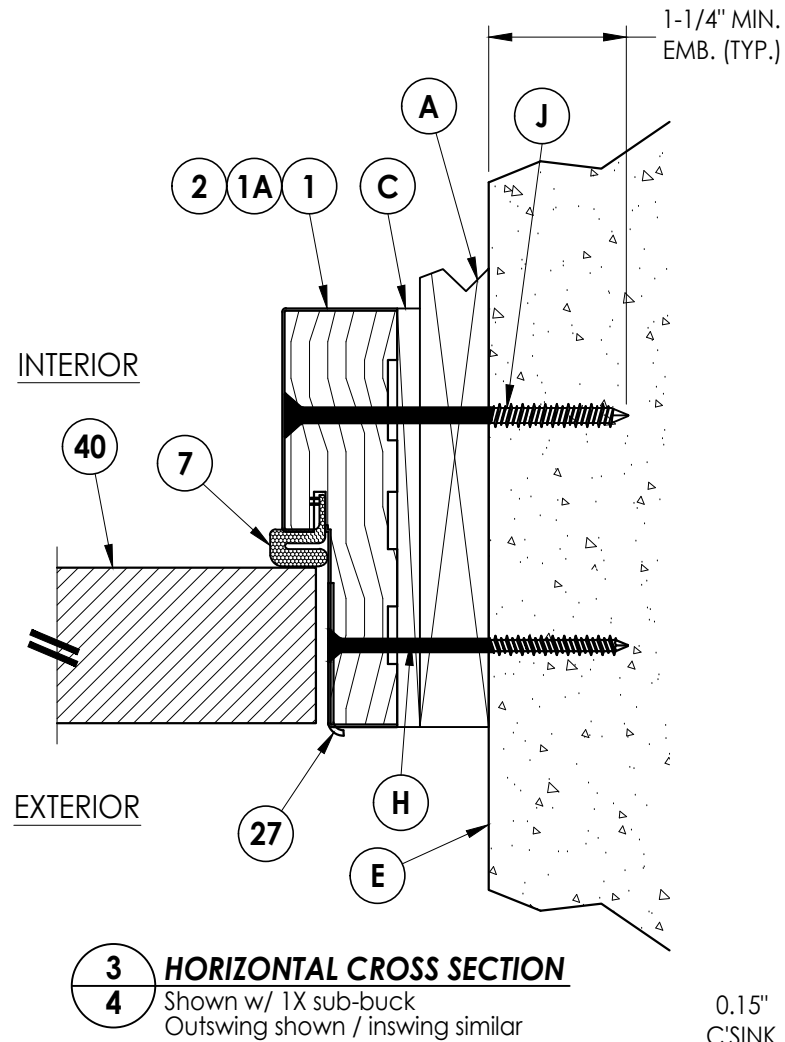
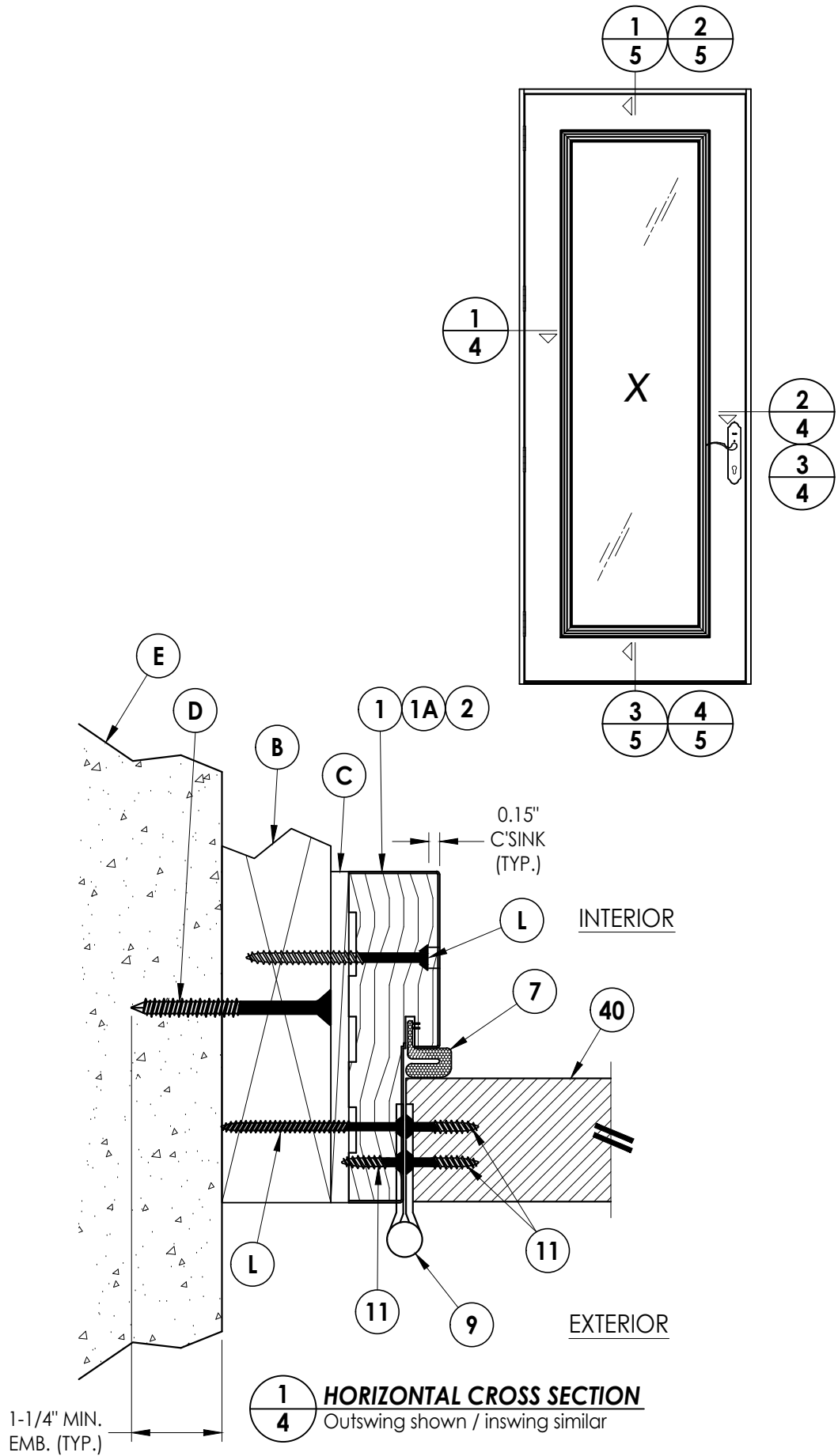


ODL LITE FRAME



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: LITE FRAME DETAILS AND GLAZING DETAILS				
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	REVISIONS				
		& REVISE ODL ALUM LITE FRAME							
3	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS					
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS					
1	12/07/15	REVISED COMPONENTS		LFS					
NO.		DATE		BY					
DATE: 8/27/15									
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-15384.8									
SHEET 3 OF 8									

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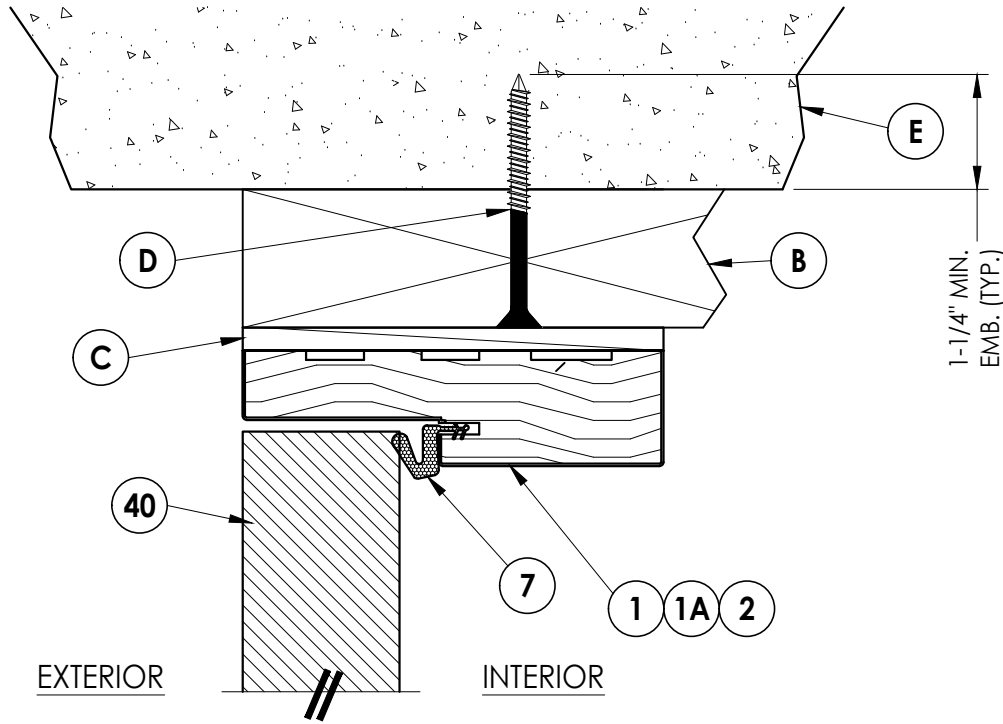
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NO.	DATE	REVISIONS	BY	LFS	FBC	LFS	BY
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC & REVISE ODL ALUM LITE FRAME		LFS	FBC	LFS	
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC		LFS	FBC	LFS	
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC		LFS	FBC	LFS	
1	12/07/15	REVISED COMPONENTS		LFS	FBC	LFS	

DATE: 8/27/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15384.8
SHEET 4 OF 8

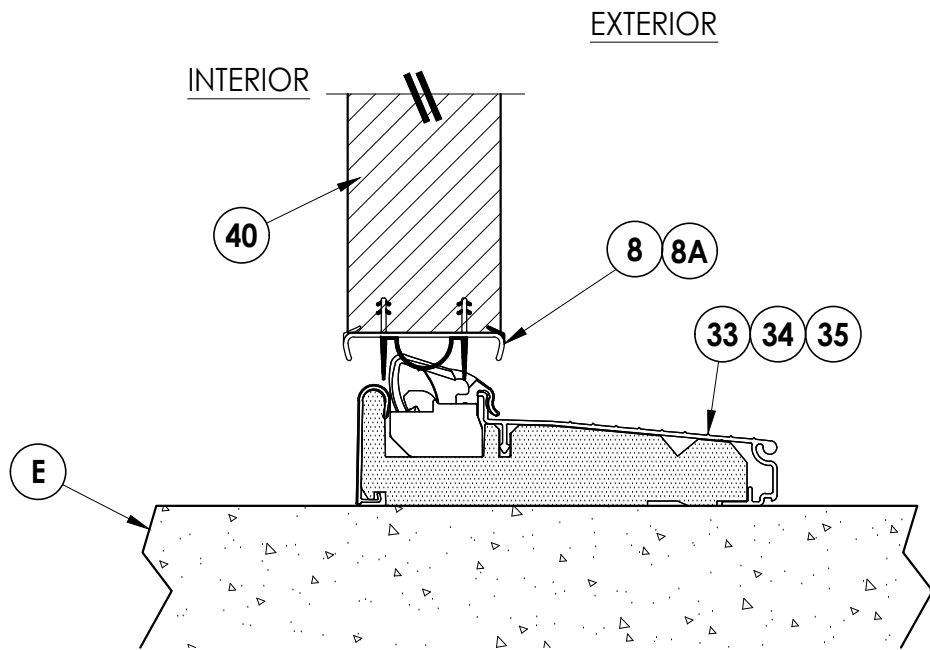
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

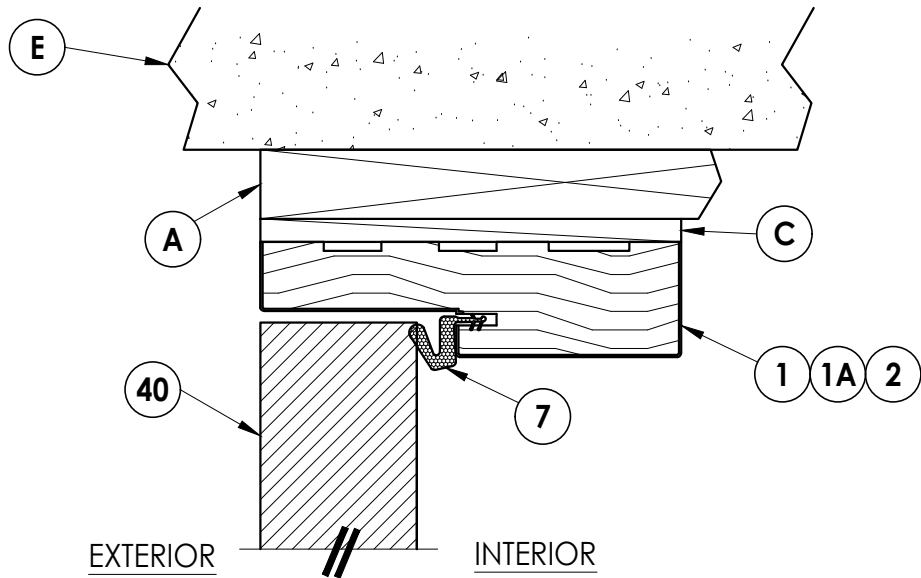
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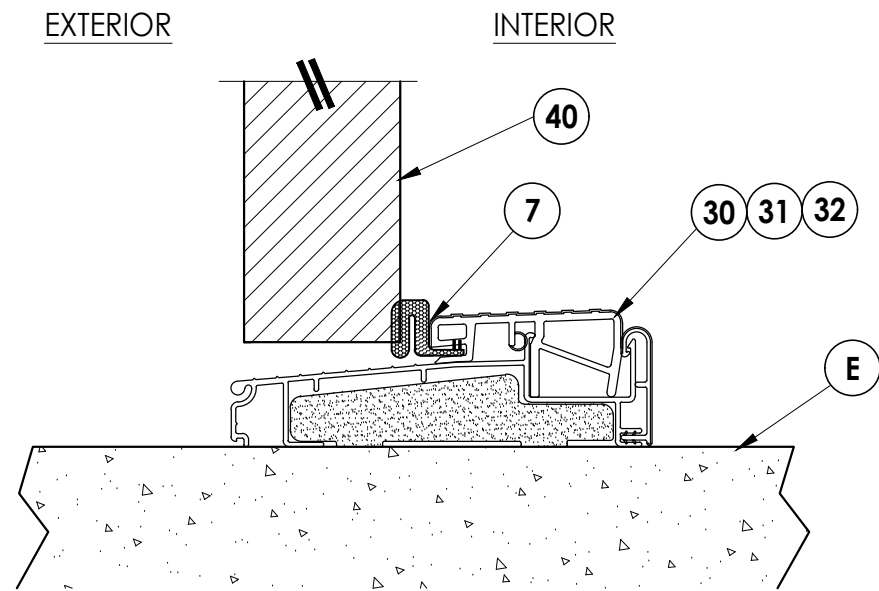
1
5 **VERTICAL CROSS SECTION**
Outswing shown / inswing similar



3
5 **VERTICAL CROSS SECTION**
(Inswing)



2
5 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck
Outswing shown / inswing similar



4
5 **VERTICAL CROSS SECTION**
(Outswing)

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:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC & REVISE ODL ALUM LITE FRAME
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1	12/07/15	REVISED COMPONENTS
NO.	DATE	BY

DATE: 8/27/15

SCALE: N.T.S.

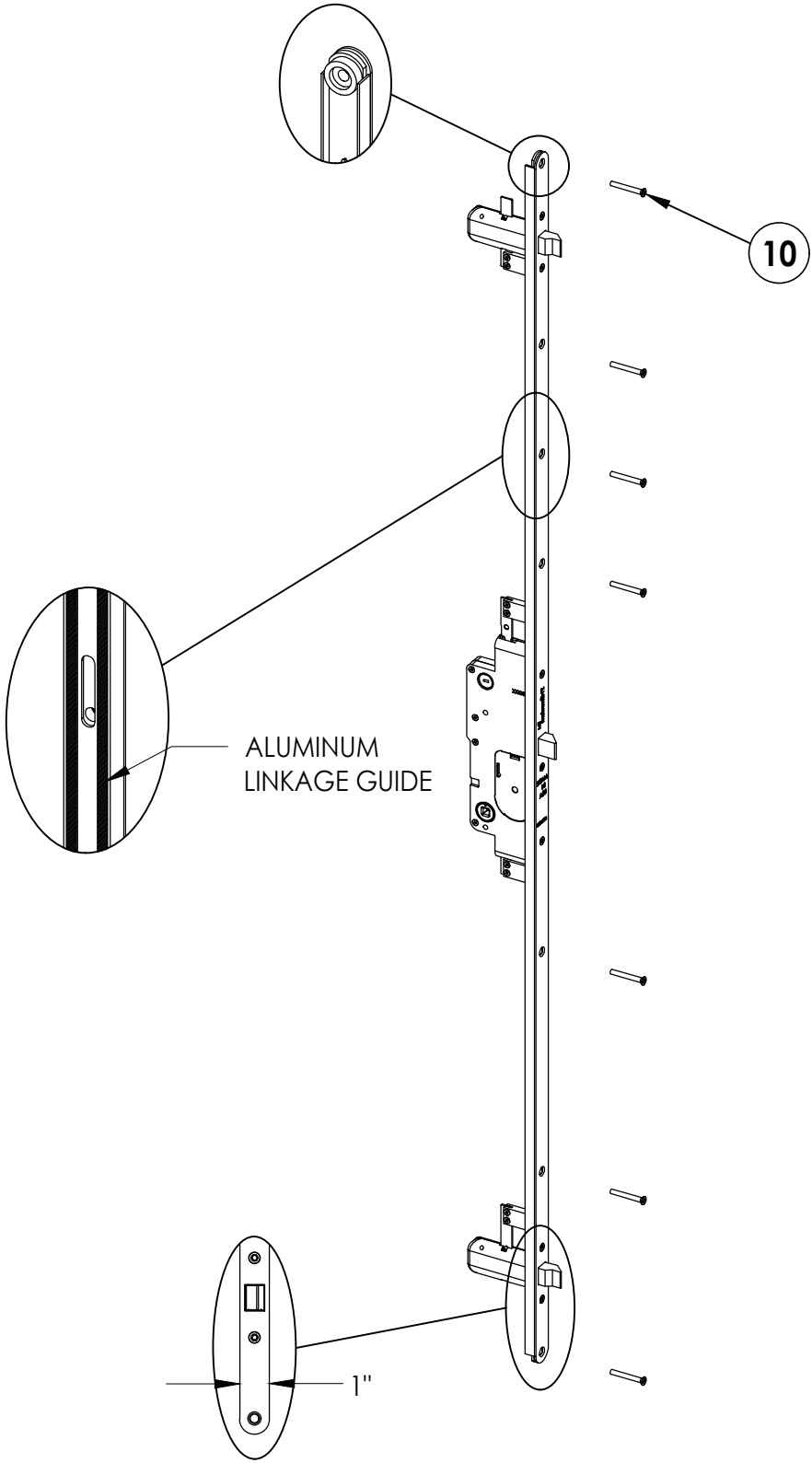
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CHK. BY: LFS

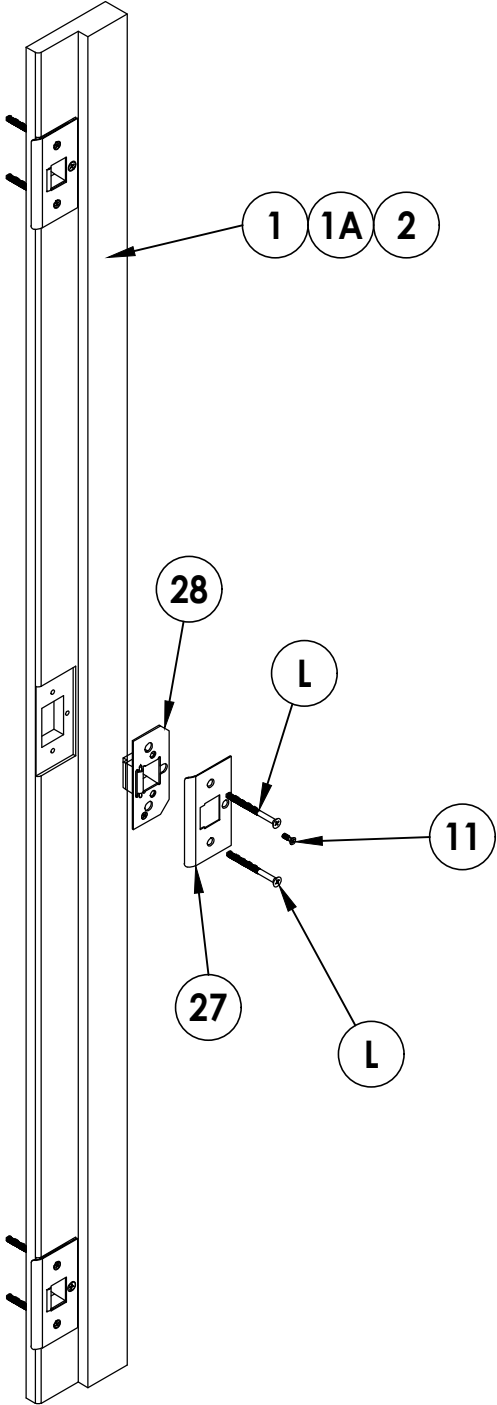
DRAWING NO.:

FL-15384.8

SHEET 5 OF 8



3 POINT LOCK



DATE:	8/27/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15384.8
SHEET	7 OF 8

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
		& REVISE ODL ALUM LITE FRAME
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	12/07/15	REVISED COMPONENTS LFS
		BY

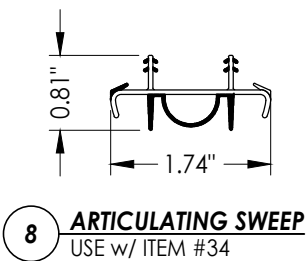
PRODUCT:	ENDURA
PART OR ASSEMBLY:	LOCK SET DETAILS

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Lyndon F. Schmidt
P.E. No. 43409

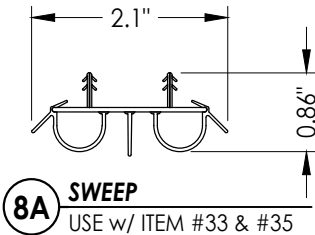
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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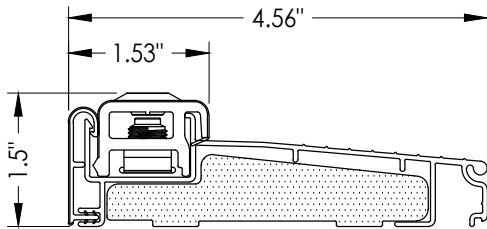
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 2-1/2" PFH WOOD SCREW	STEEL
H	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	FINGER JOINTED PINE JAMB	WOOD
1A	FINGER JOINTED PINE JAMB (FRAME SAVER)	WOOD/COMP
2	POLY FIBER JAMB (JM EAGLE)	COMP.
7	WEATHERSTRIP	FOAM
8	ARTICULATING SWEEP	PVC
8A	SWEEP	PVC
9	4" X 4" BUTT HINGE	STEEL
10	#10 X 1-1/2" PPH WOOD SCREW	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	BACKING PLATE	STEEL
30	OUTSWING THRESHOLD	ALUM/COMP
31	OUTSWING THRESHOLD	ALUM/COMP
32	OUTSWING THRESHOLD	ALUM/COMP
33	INSWING THRESHOLD	ALUM/COMP
34	INSWING THRESHOLD	ALUM/COMP
35	INSWING THRESHOLD	ALUM/COMP
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-



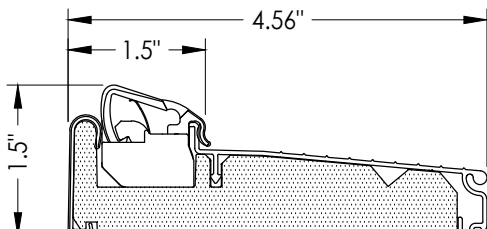
8 ARTICULATING SWEEP
USE w/ ITEM #34



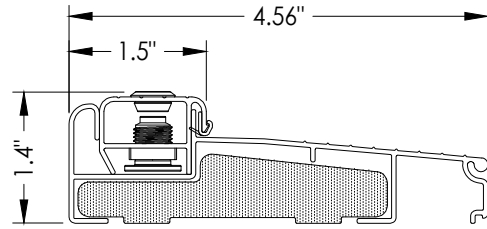
8A SWEEP
USE w/ ITEM #33 & #35



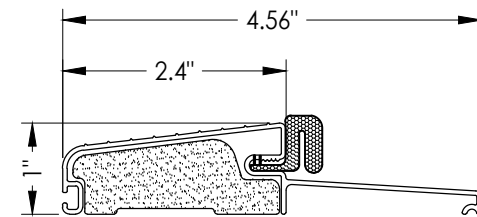
33 INSWING THRESHOLD
Endura (Z-Series Adjustable)



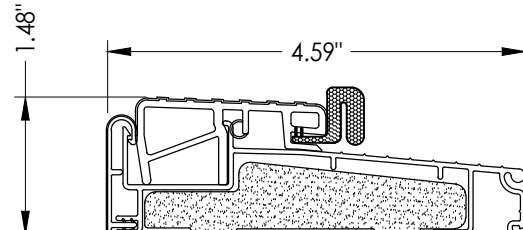
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Endura (Z-Series Articulating)



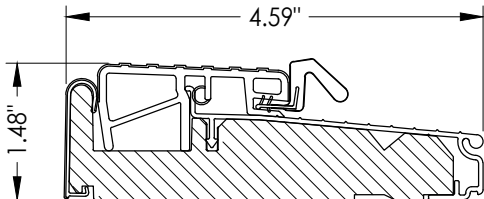
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Endura (Z-Series)



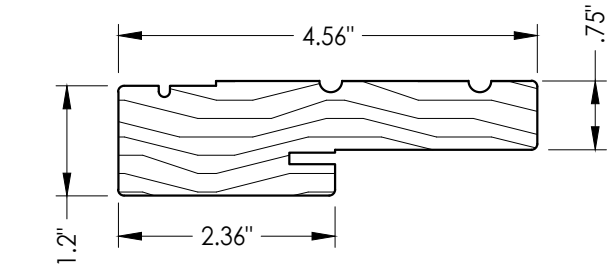
30 OUTSWING THRESHOLD
Endura (Z-Series)



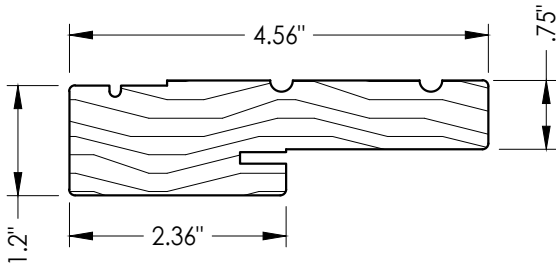
31 OUTSWING THRESHOLD
Endura (Z-Series)



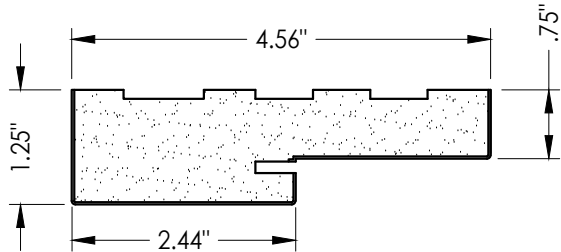
32 OUTSWING THRESHOLD
Endura (Z-Series)



1 WOOD JAMB



1A WOOD JAMB
Frame saver



2 POLY FIBER JAMB
(JM EAGLE)

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:
ENDURA

PART OR ASSEMBLY:
BILL OF MATERIALS
AND COMPONENTS

NO.	DATE	REVISIONS	BY
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC & REVISE ODL ALUM LITE FRAME	LFS
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC	LFS
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DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15384.8			
SHEET 8 OF 8			