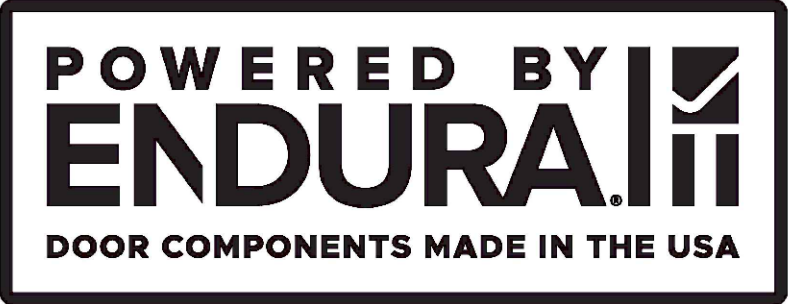


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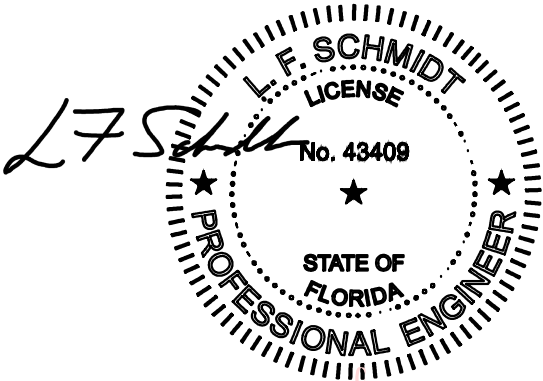


TRILENNIUM®
MULTI-POINT LOCK
w/ Plastpro Glazed Fiberglass Single Door w/ Sidelite(s)
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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.

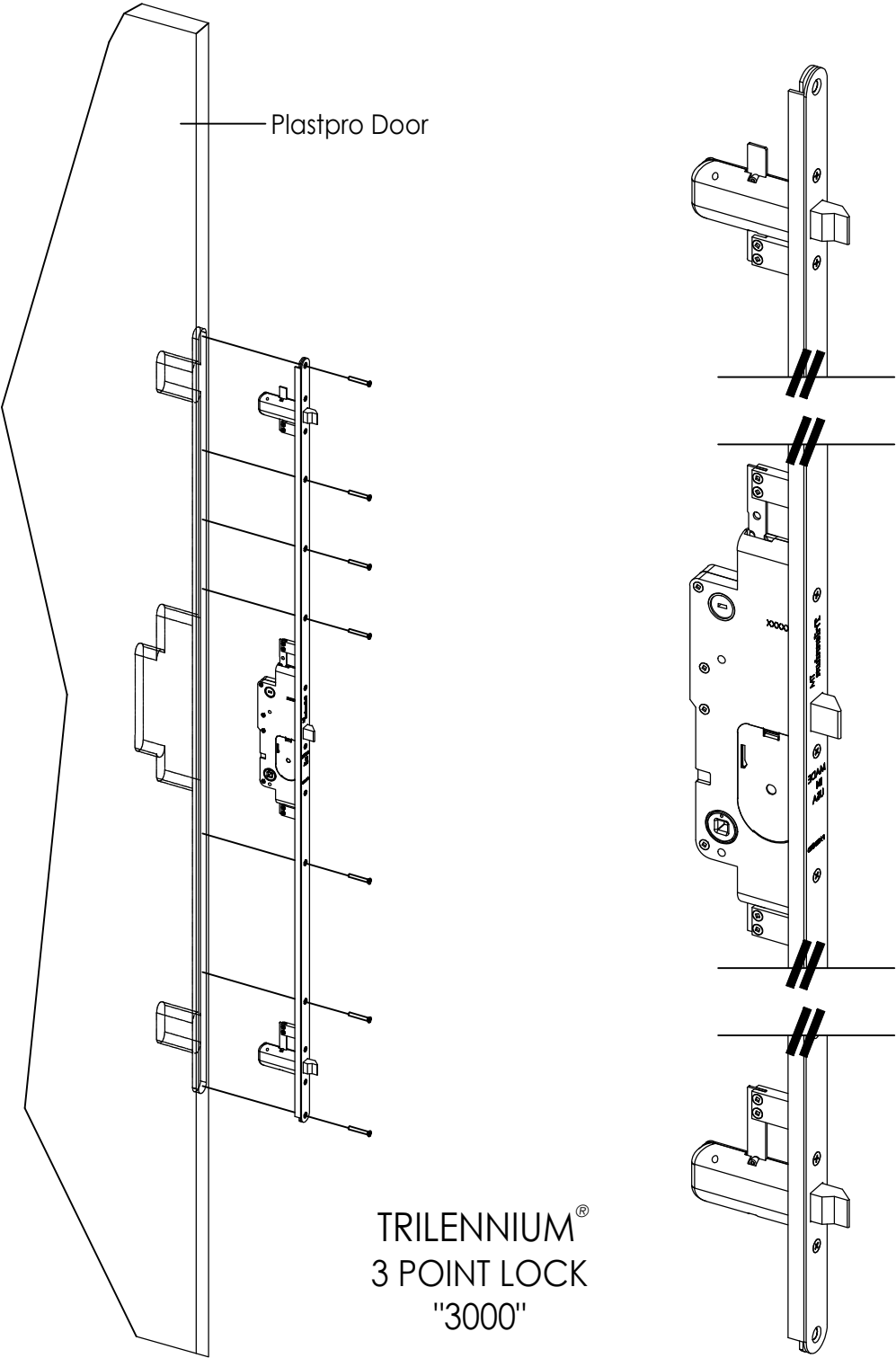
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Door panel details
3	Sidelite panel details
4	Elevations
5	Vertical cross sections
6	Horizontal cross sections
7	Lock set details
8	Buck anchoring
9	Frame anchoring & hardware details
10	Bill of materials and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



Digitally signed by Lyndon F Schmidt
Date: 2023.07.17 14:10:01 -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 Glazed (Fiberglass)	INSWING	112.25" x 97.69"	+40.0	-40.0
	OUTSWING	112.25" x 97.12"	+40.0	-40.0

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

ENDURA

DATE: 1/14/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15384.20

SHEET 1 OF 10

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

REVISIONS

DATE: 1/14/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

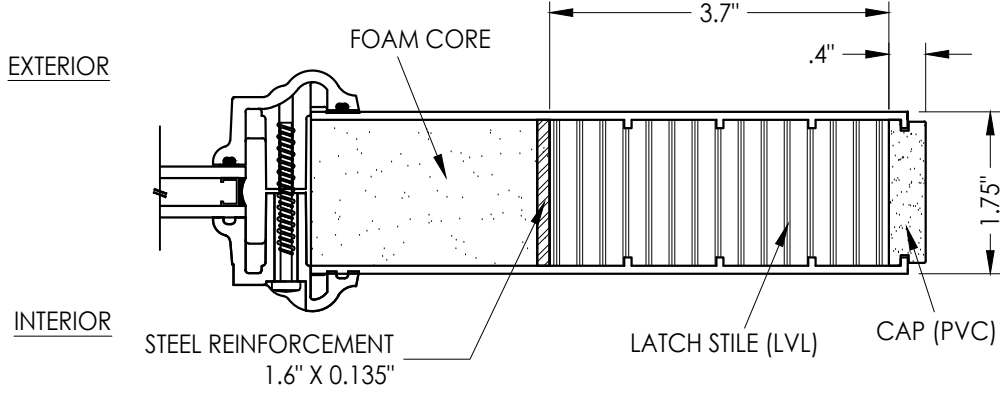
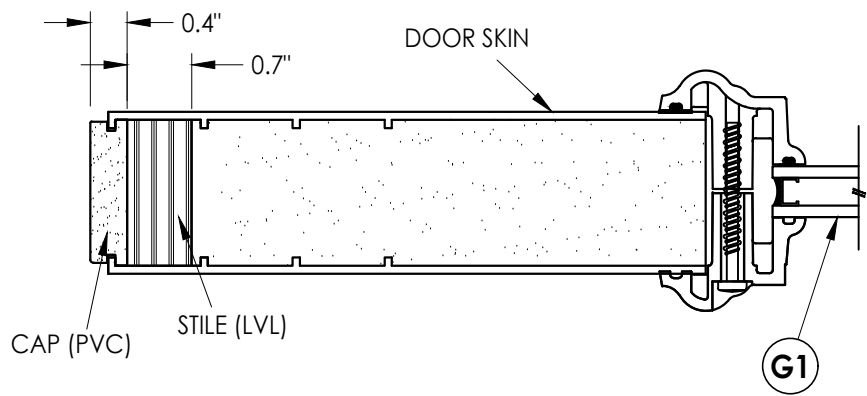
DRAWING NO.: FL-15384.20

SHEET 1 OF 10

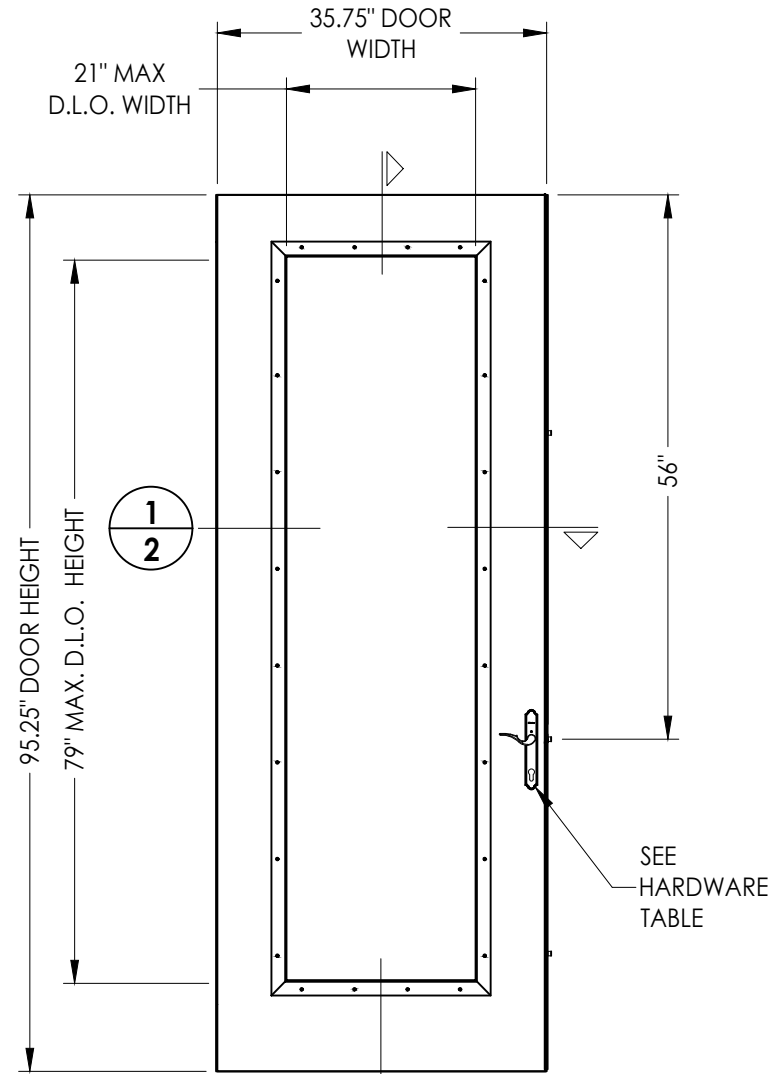
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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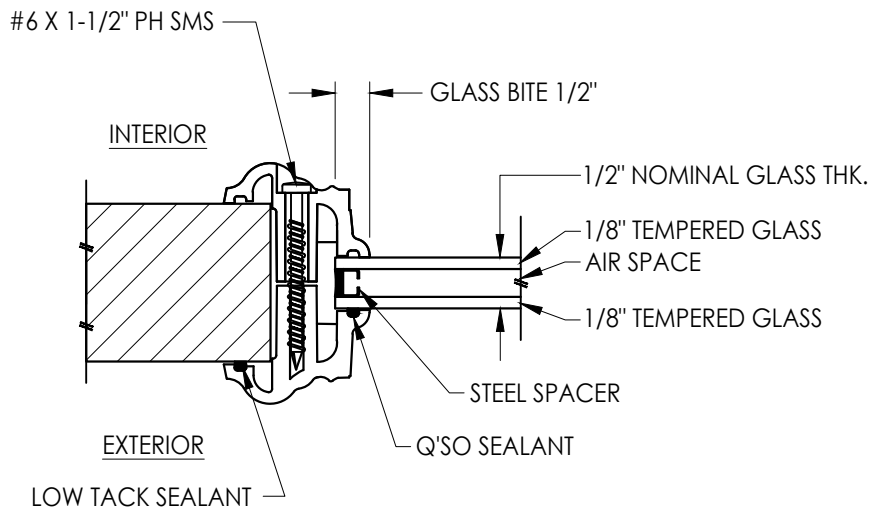


1
2 HORIZONTAL CROSS SECTION

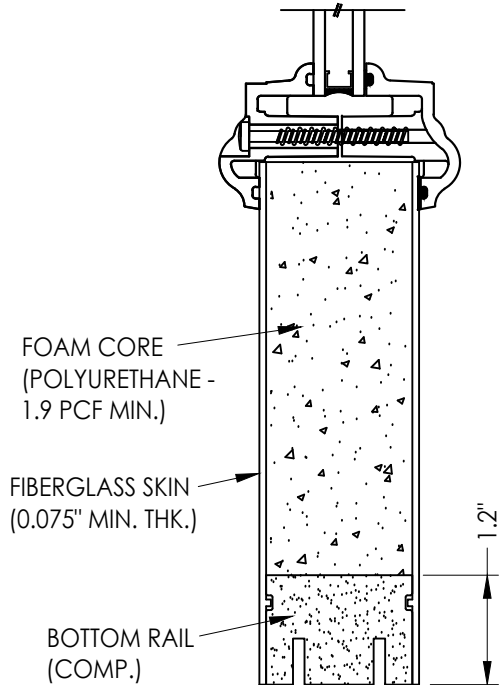
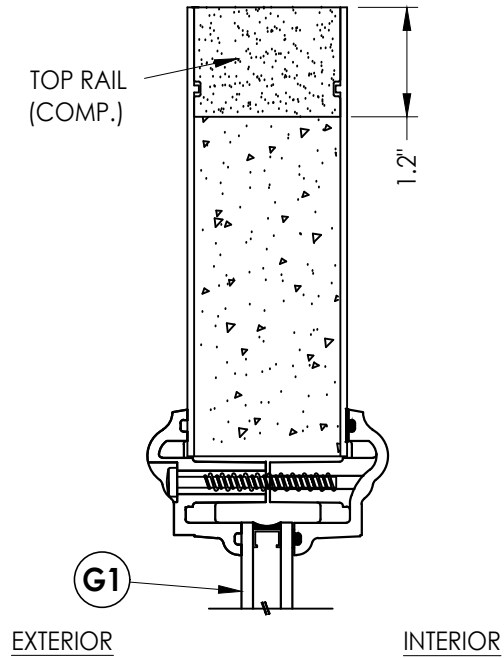


40 DOOR PANEL
Plastpro Fiberglass

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



G1 GLAZING DETAIL
Lip Lite Insert Glazing



2
2 VERTICAL CROSS SECTION

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P.E. No. 43409

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PRODUCT: ENDURA

PART OR ASSEMBLY:
DOOR PANEL DETAILS

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
		BY

DATE: 1/14/16

SCALE: N.T.S.

DWG. BY: JK

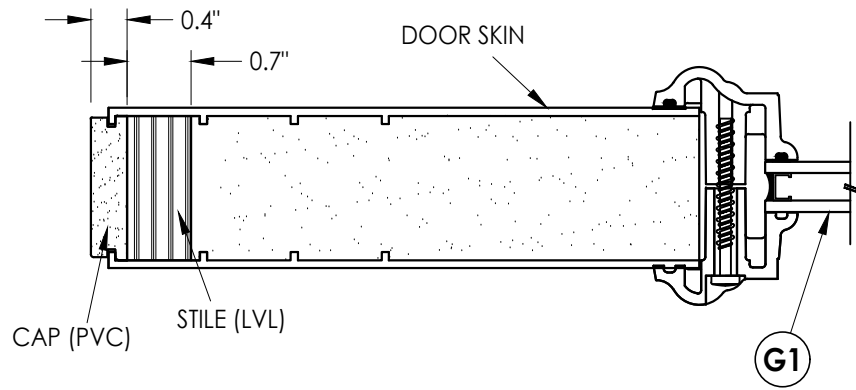
CHK. BY: LFS

DRAWING NO.:

FL-15384.20

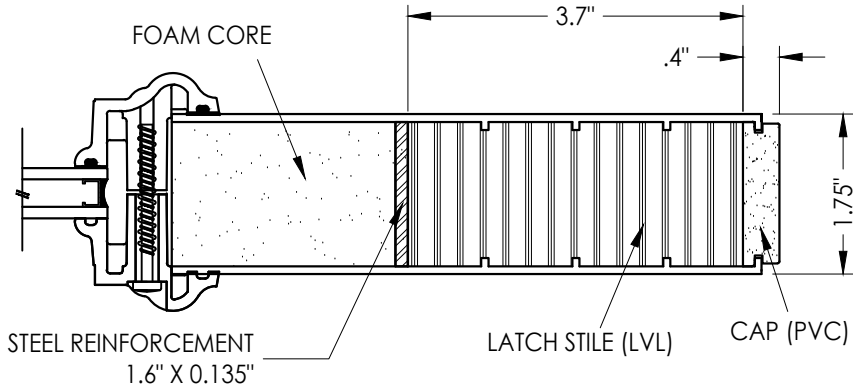
SHEET 2 OF 10

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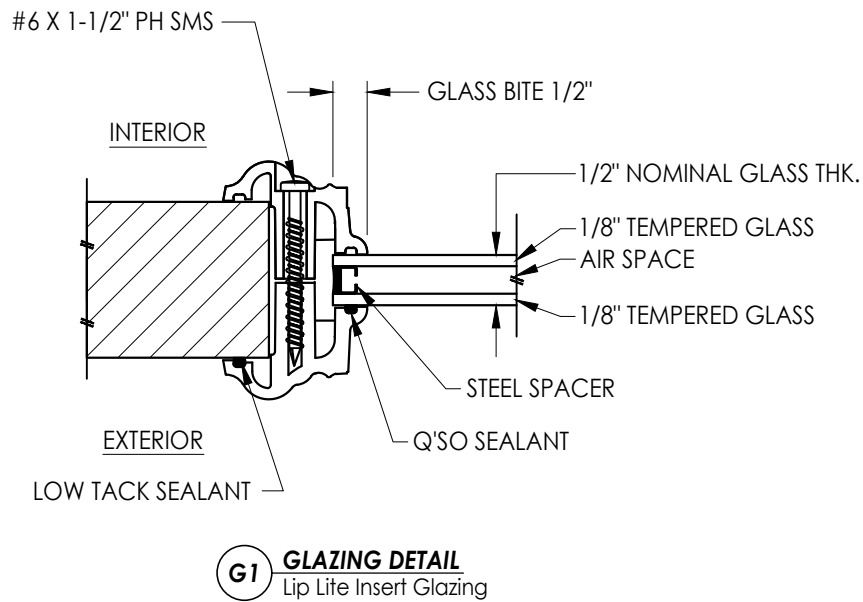


EXTERIOR

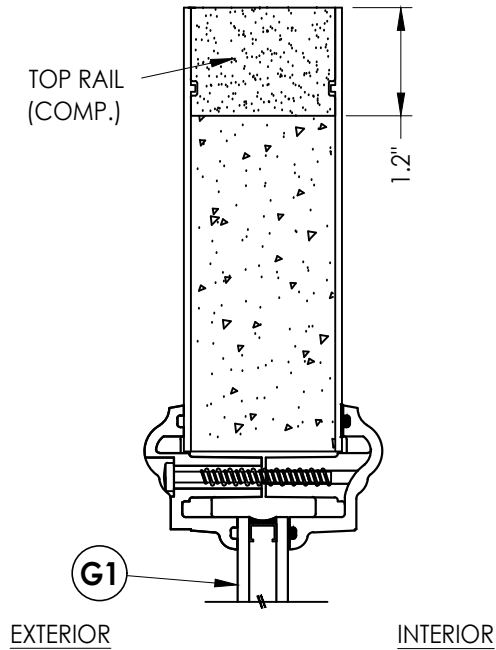
INTERIOR



1
3 HORIZONTAL CROSS SECTION

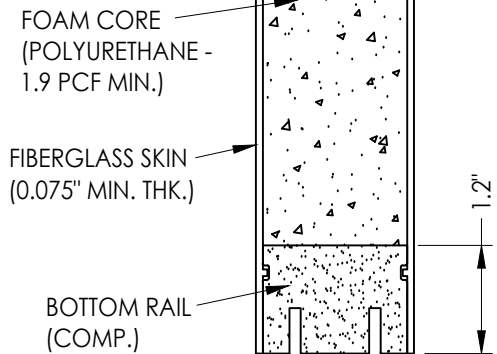


G1 GLAZING DETAIL
Lip Lite Insert Glazing

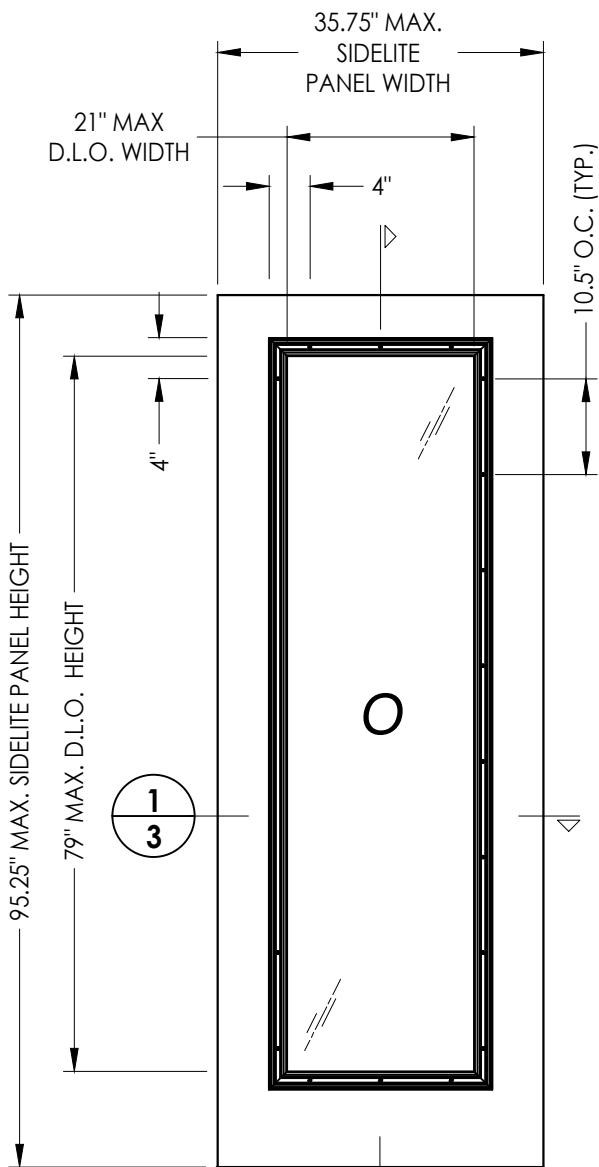


EXTERIOR

INTERIOR



2
3 VERTICAL CROSS SECTION



2
3

50 SIDELITE PANEL

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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

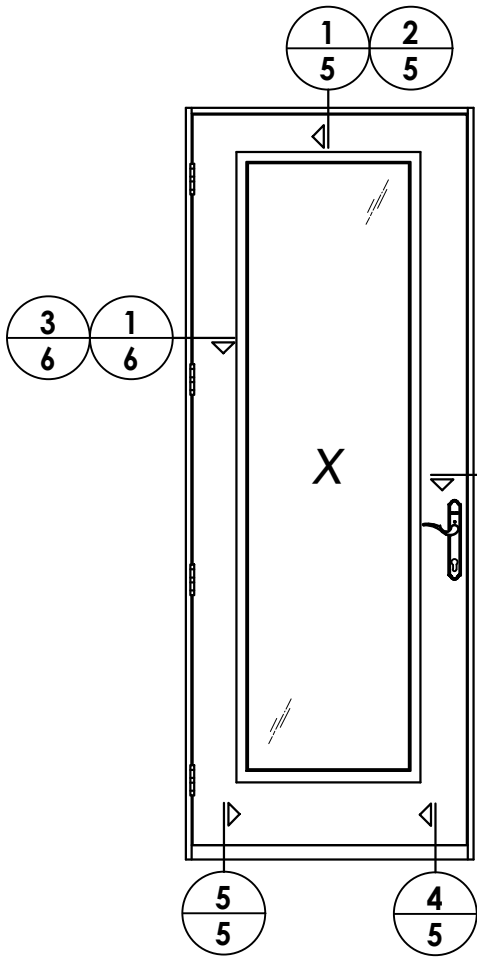
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DWG. BY: JK

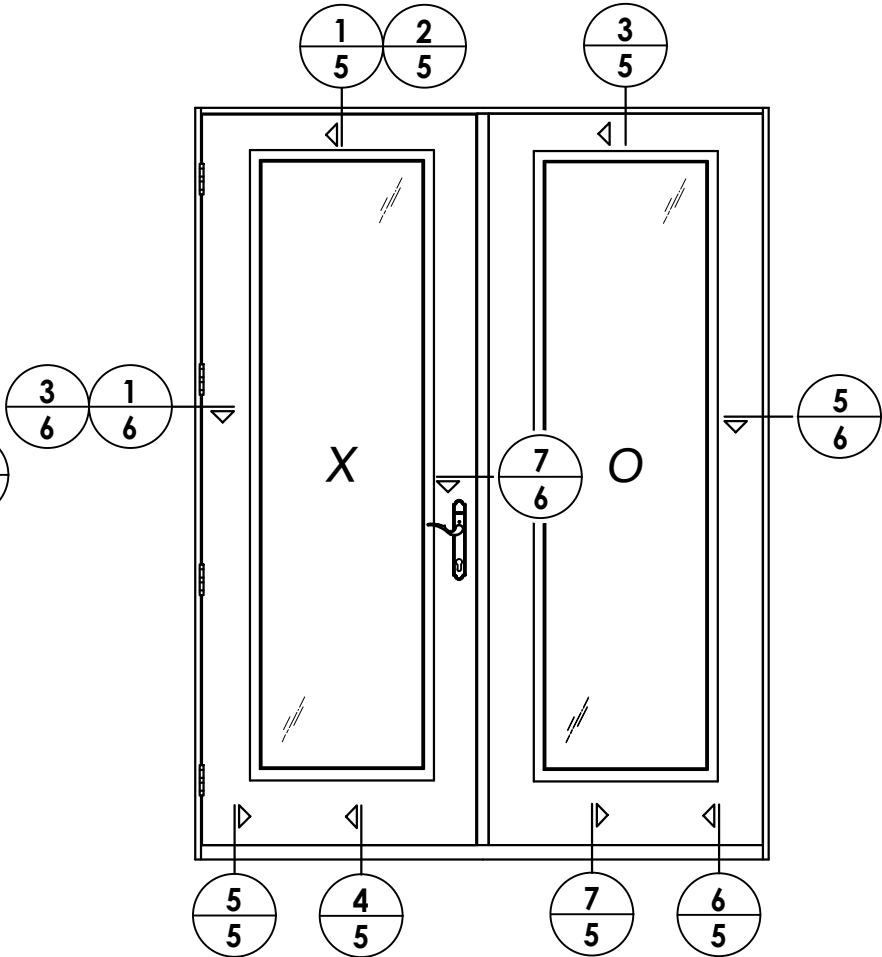
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DRAWING NO.: FL-15384.20

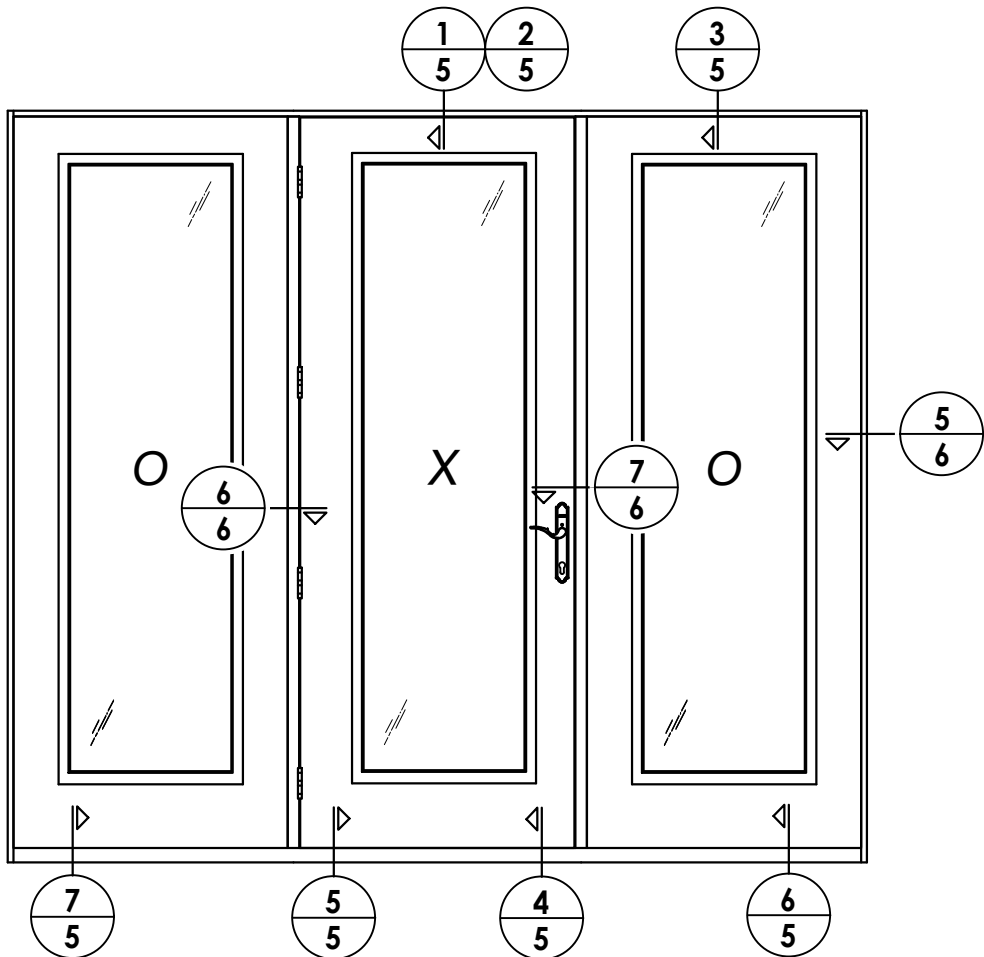
SHEET 3 OF 10



ELEVATION
X



ELEVATION
XO / OX



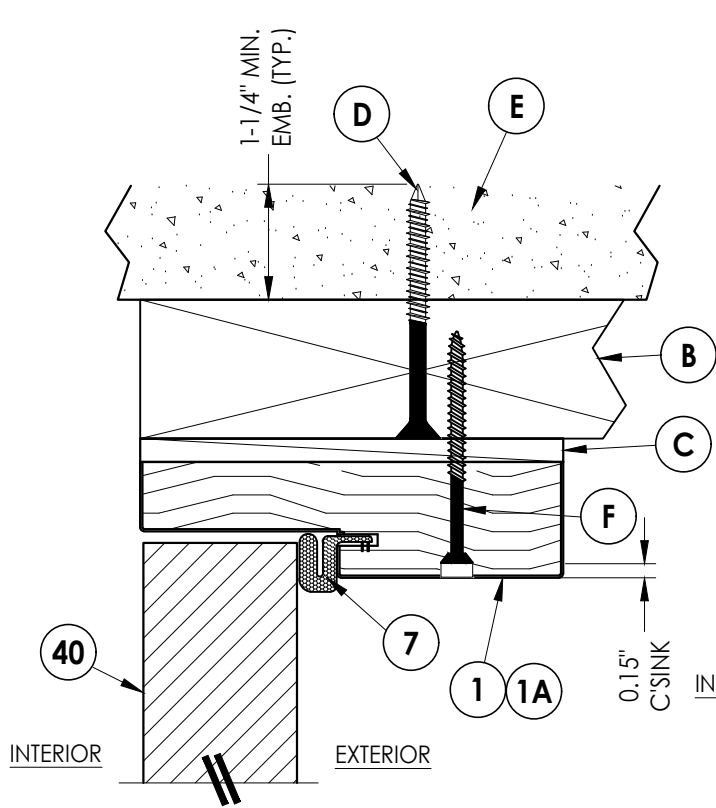
ELEVATION
OXO

DATE		NO.		DATE	
1/14/16		1		4/16/16	
SCALE:		N.T.S.		REVISONS	
DWG. BY:		JK		DATE	
CHK. BY:		LFS		NO.	
DRAWING NO.:		FL-15384.20		DATE	
SHEET		4		OF	
		10			

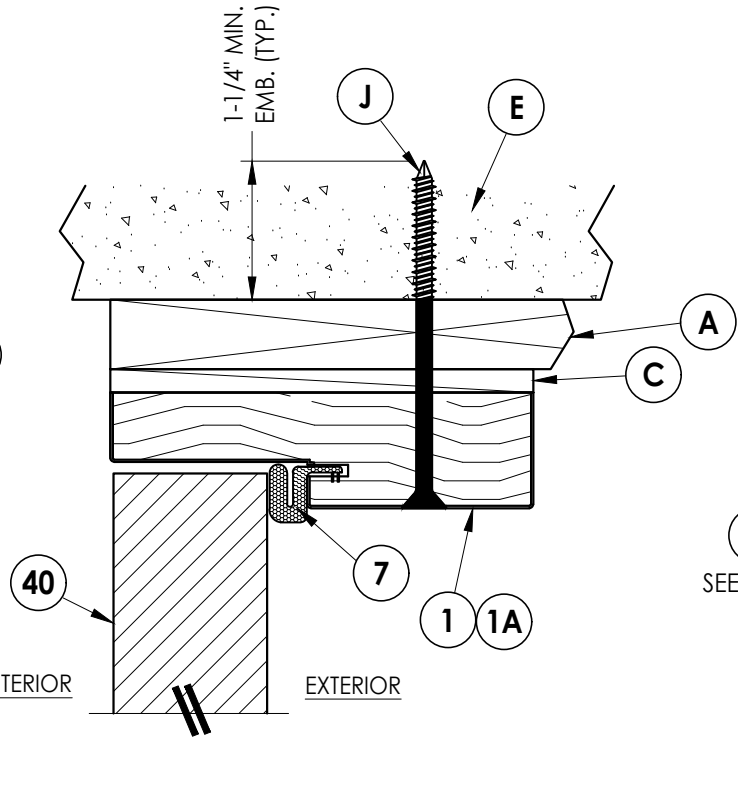
PRODUCT:		PART OR ASSEMBLY:	
ENDURA		ELEVATIONS	

Documents Prepared By:		R.W. BUILDING CONSULTANTS, INC.	
Lyndon F. Schmidt		P.O. Box 230, Valrico, FL 33595	
P.E. No. 43409		Phone No.: 813.659.9197	
		FBPE Registry No. 9813	

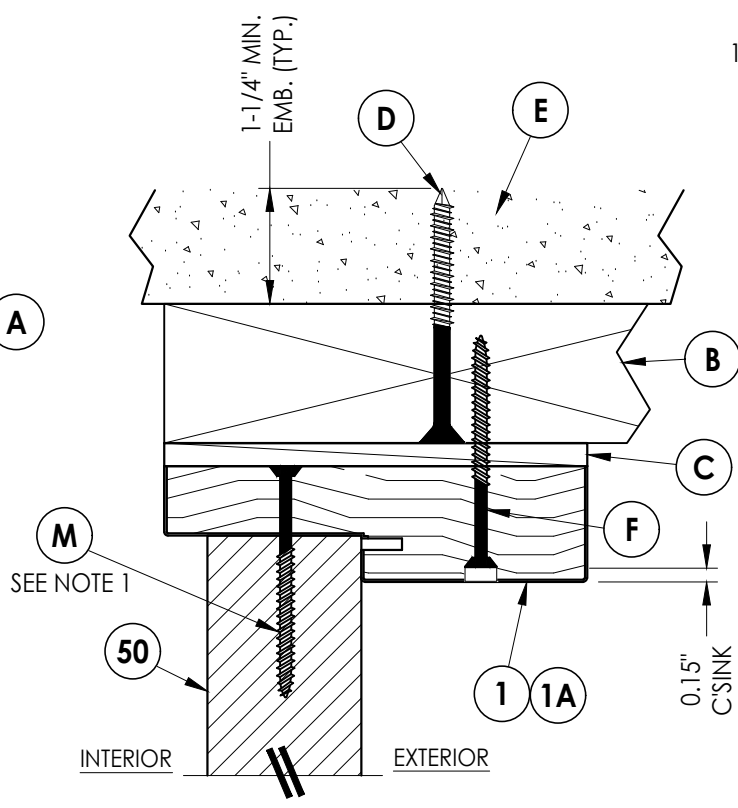
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1
5 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

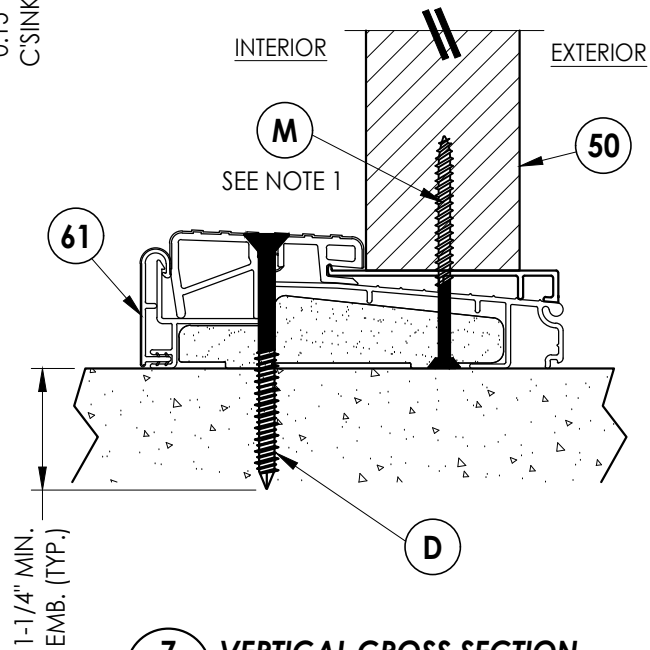


2
5 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
1X Buck Construction

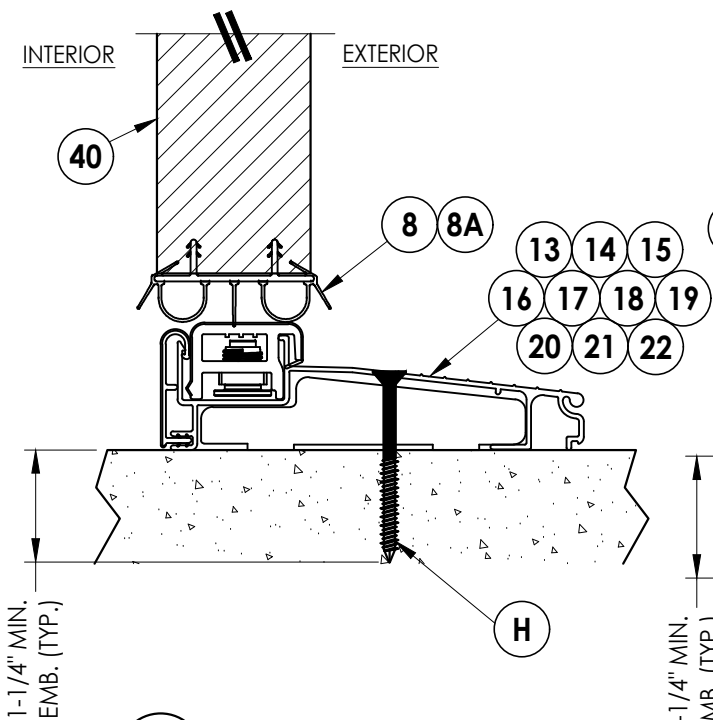


3
5 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

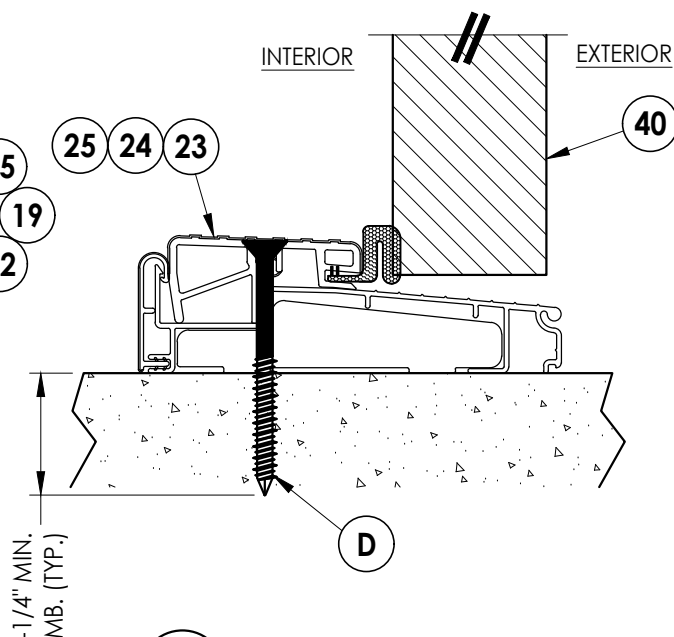
NOTE:
1. Spacing for sidelite screws (item M):
6" from each end (2 total).



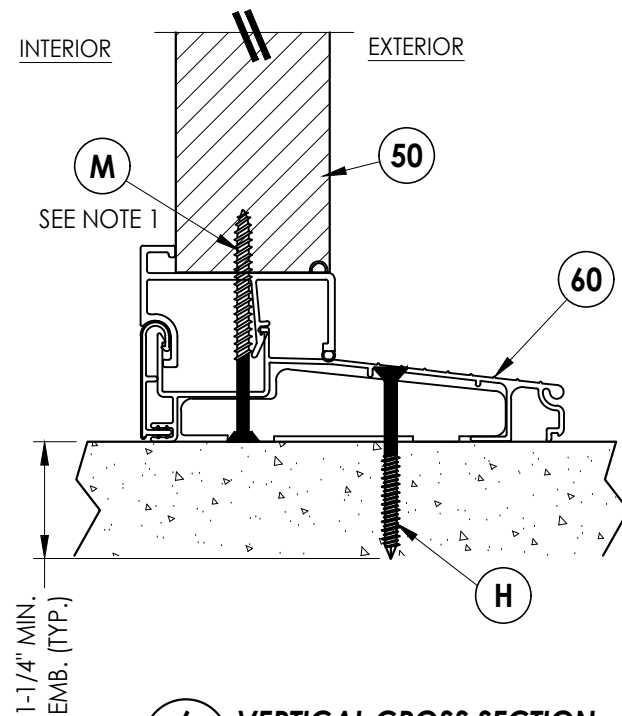
7
5 **VERTICAL CROSS SECTION**
Outswing sill



4
5 **VERTICAL CROSS SECTION**
Inswing sill



5
5 **VERTICAL CROSS SECTION**
Outswing sill



6
5 **VERTICAL CROSS SECTION**
Inswing sill

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P.E. No. 43409

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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
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

DATE: 1/14/16

SCALE: N.T.S.

DWG. BY: JK

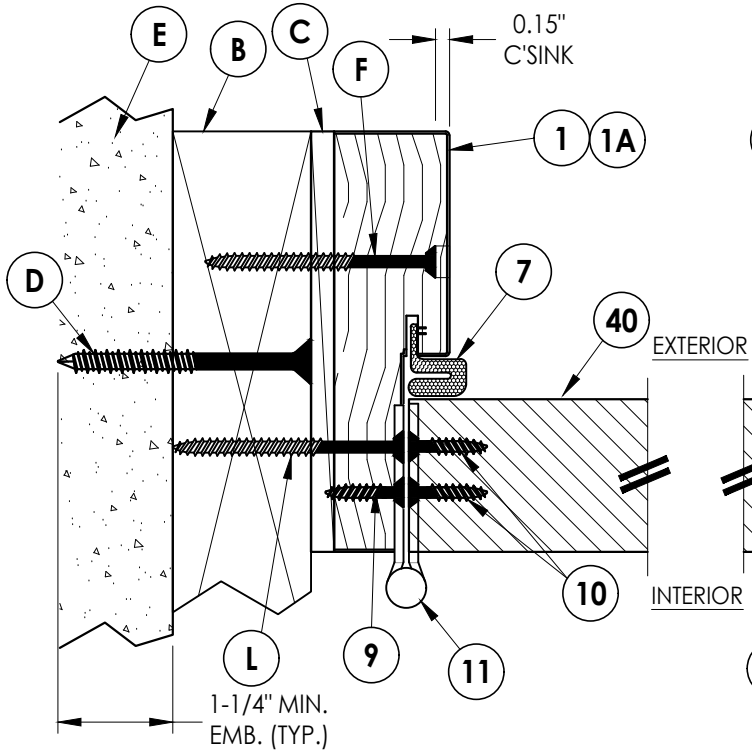
CHK. BY: LFS

DRAWING NO.:

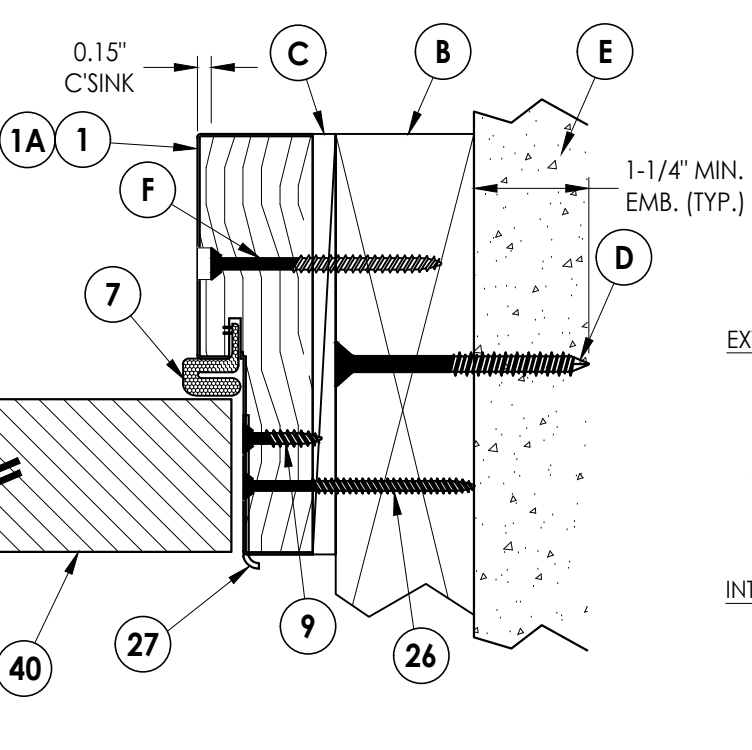
FL-15384.20

SHEET 5 OF 10

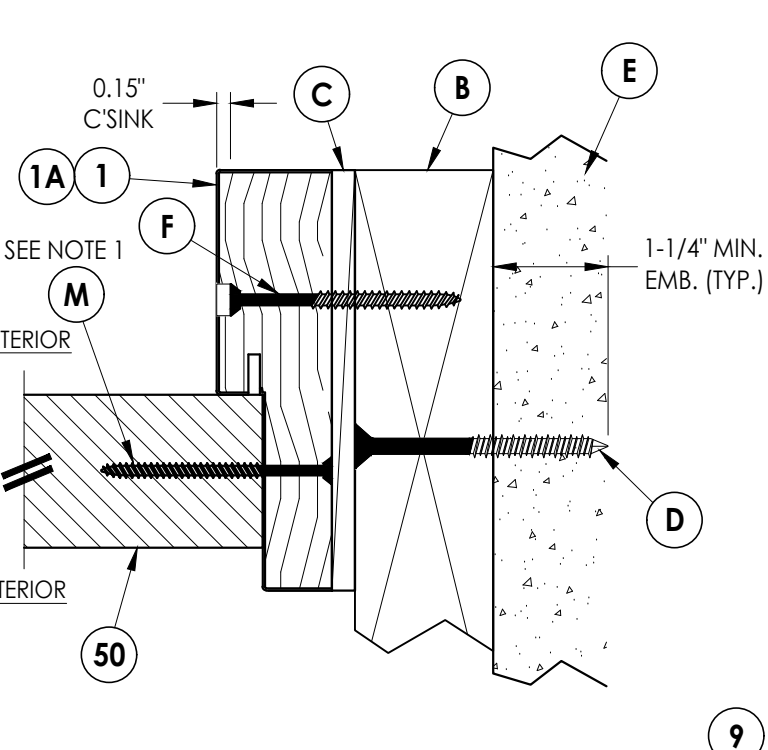
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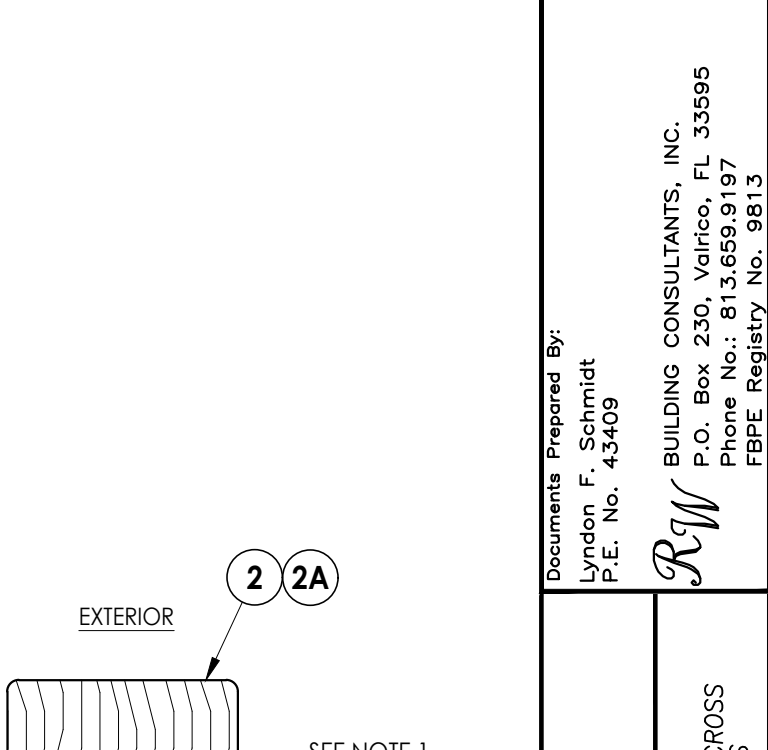
1 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



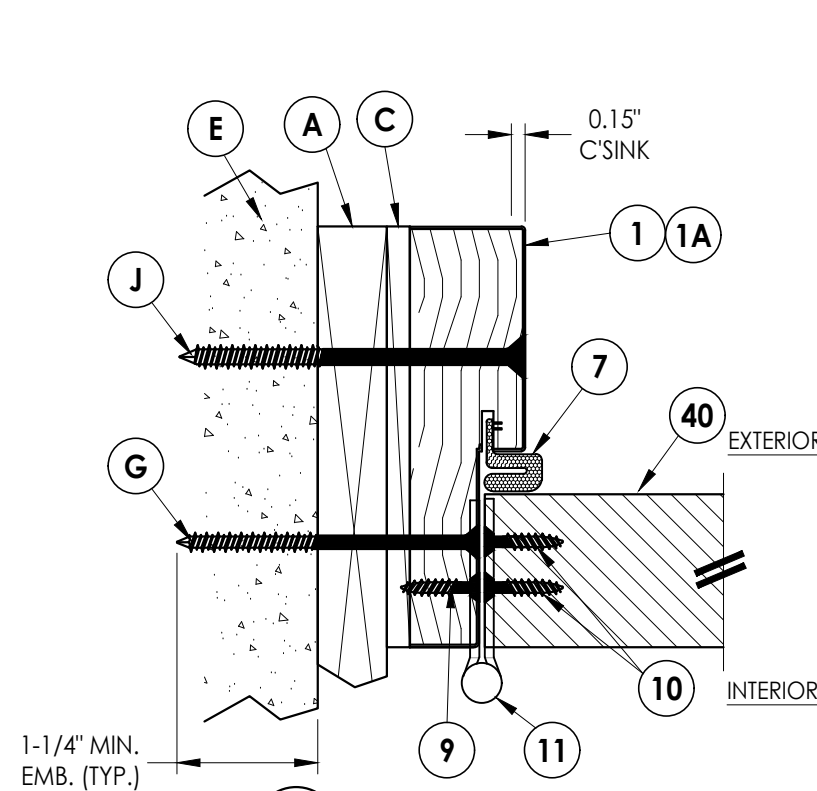
2 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



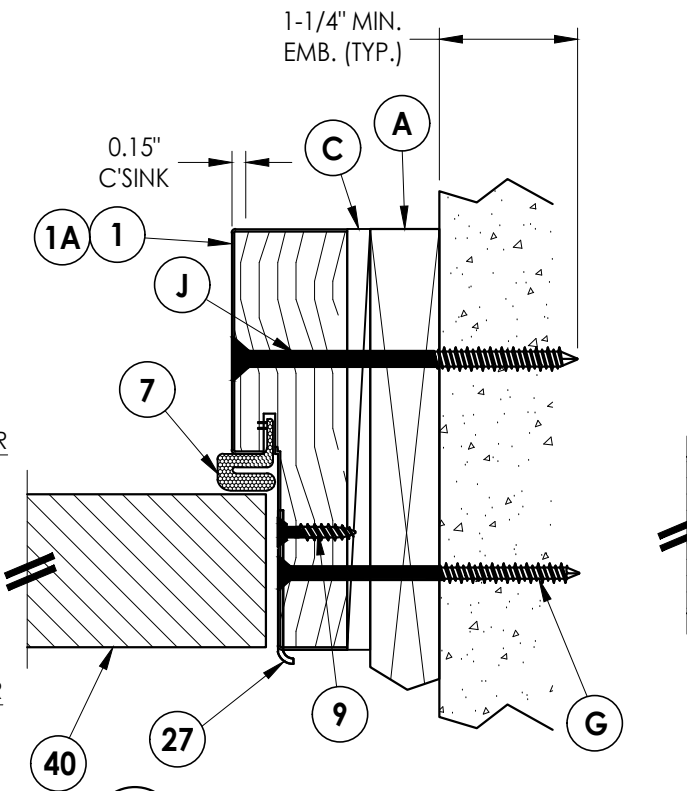
5 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



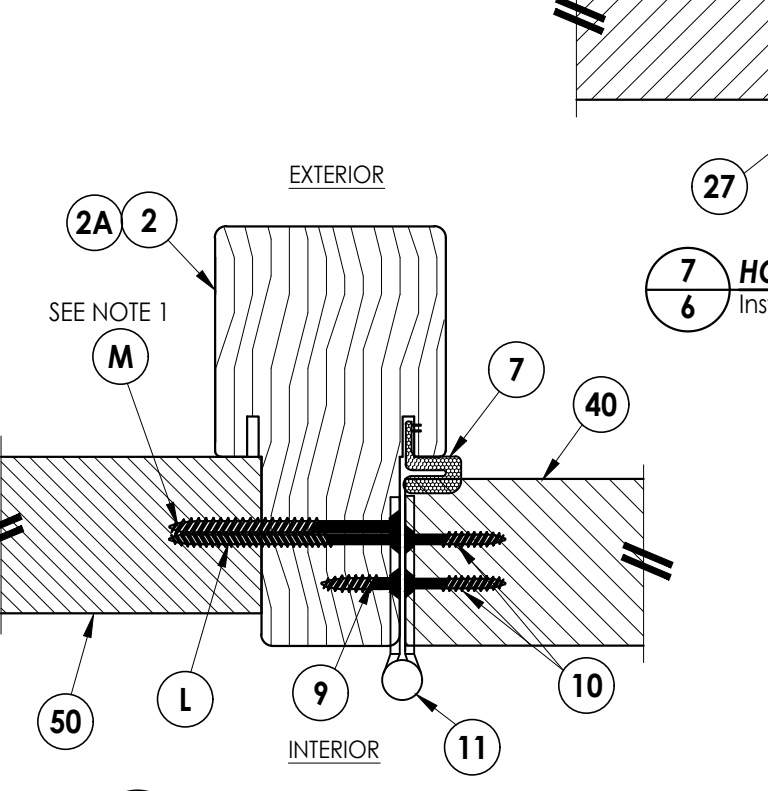
7 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)



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

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:
HORIZONTAL CROSS
SECTIONS

NO.	DATE	REVISIONS			
		DATE	BY	REVISION	
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	BY	

DATE: 1/14/16

SCALE: N.T.S.

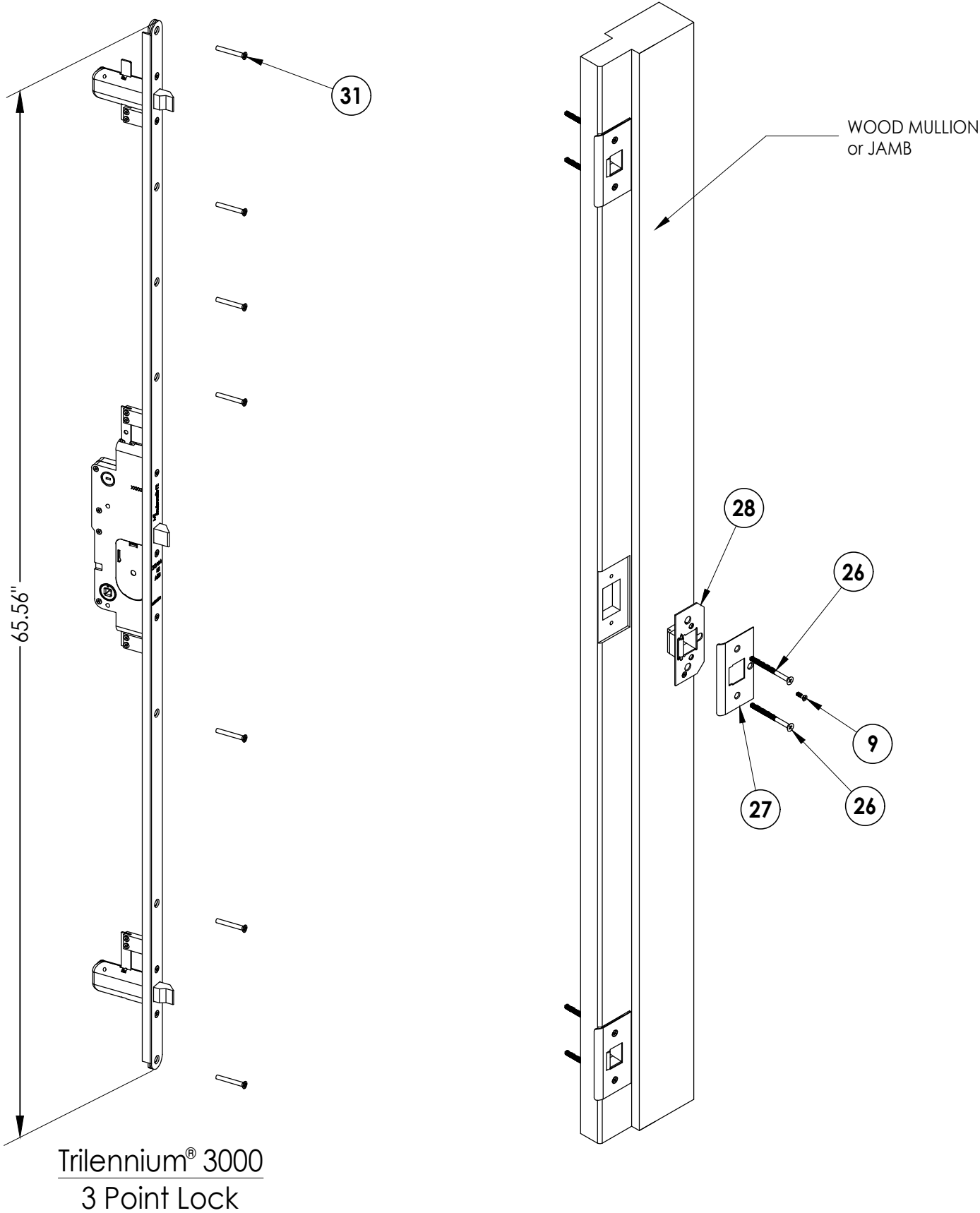
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CHK. BY: LFS

DRAWING NO.:

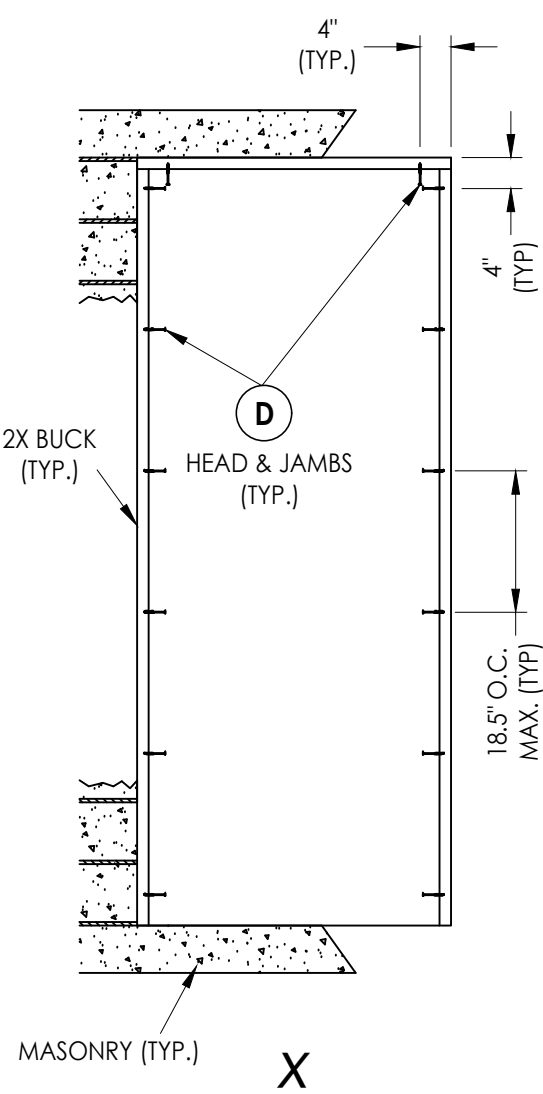
FL-15384.20

SHEET 6 OF 10

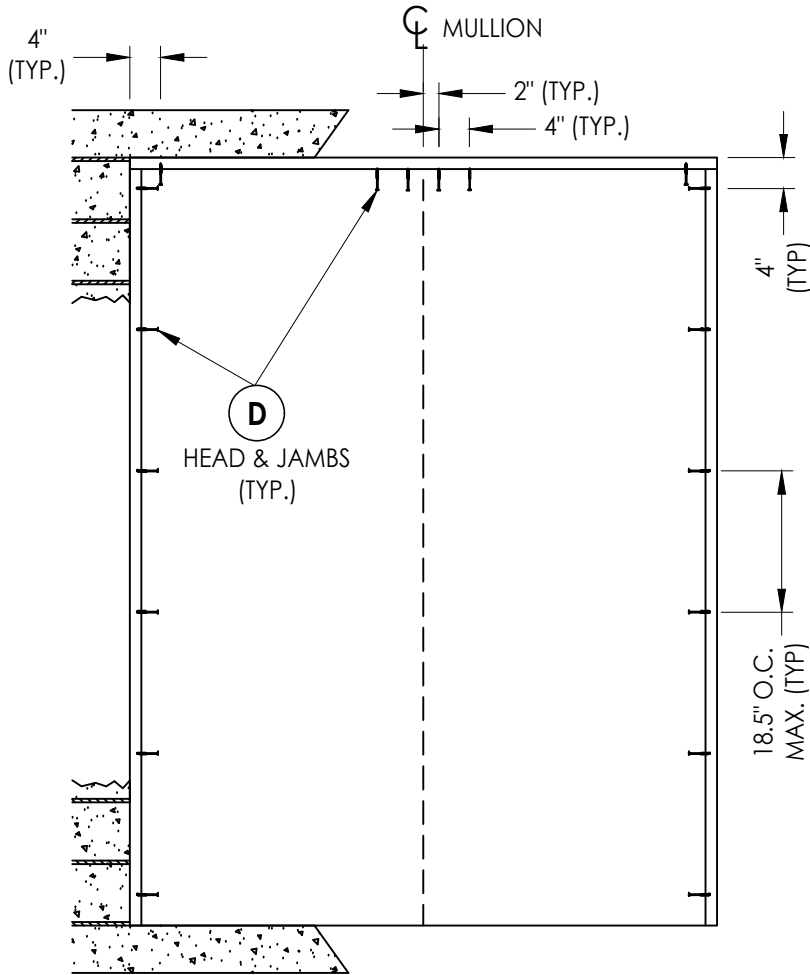


DATE: 1/14/16		PRODUCT: ENDURA		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409 RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
SCALE: N.T.S.		PART OR ASSEMBLY: LOCK SET DETAILS			
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15384.20					
SHEET 7 OF 10				REVISIONS	
		NO. DATE			
		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	

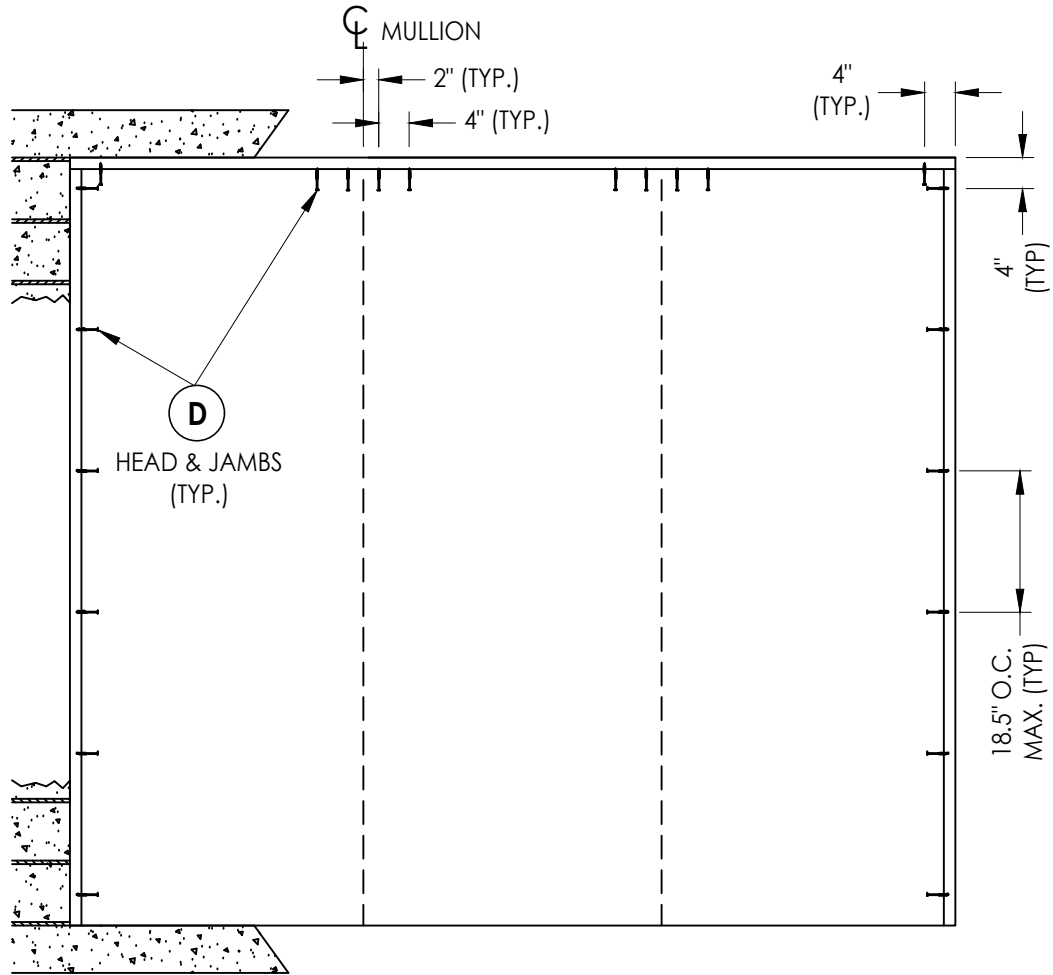
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X



XO



OXO

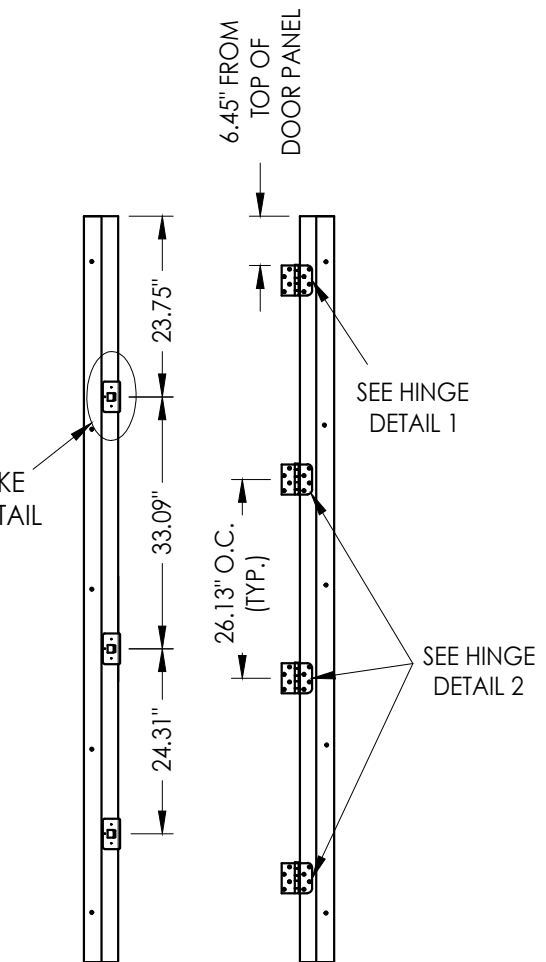
2X BUCK ANCHORING

PRODUCT:		ENDURA	
PART OR ASSEMBLY:		BUCK ANCHORING	
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

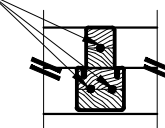
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SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-15384.20	
SHEET 8 OF 10	

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



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



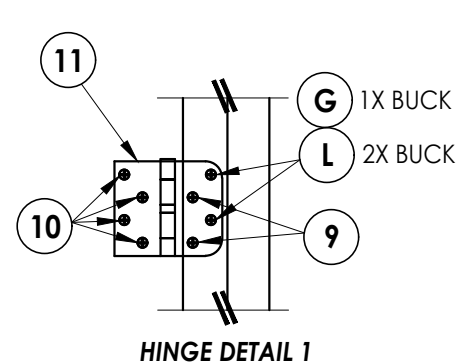
DETAIL 1

Integral mullion attachment

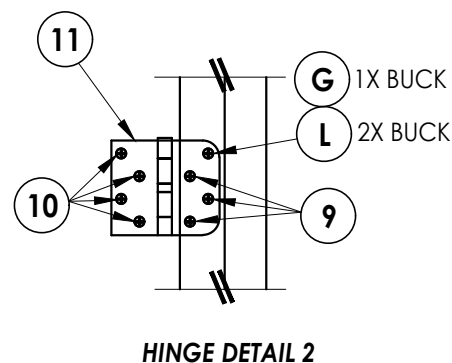
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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 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"

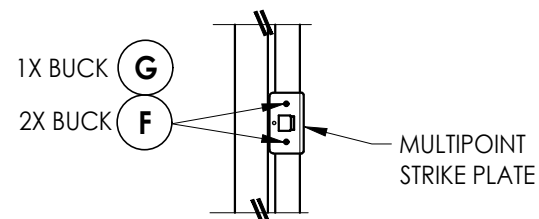
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



HINGE DETAIL 1



HINGE DETAIL 2



STRIKE PLATE DETAIL

[illegible]

DATE:	1/14/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15384.20
SHEET	9 OF 10

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

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

FOR ASSEMBLY:
FRAME ANCHORING
& HARDWARE DETAILS

NO.	DATE	REVISIONS

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