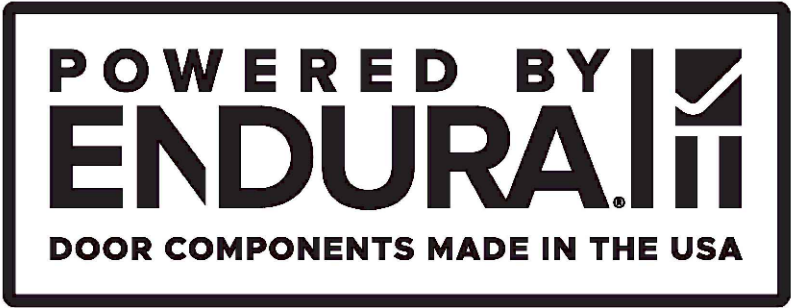


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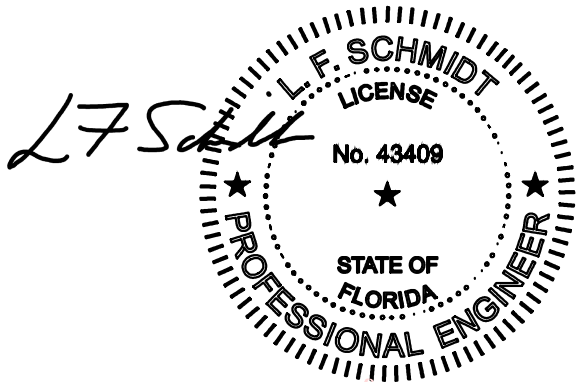


TRILENNIUM®
MULTI-POINT LOCK
w/ Masonite Opaque Steel Single Door w/ Sidelite(s)
INSWING / OUTSWING
"NON-IMPACT"

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.

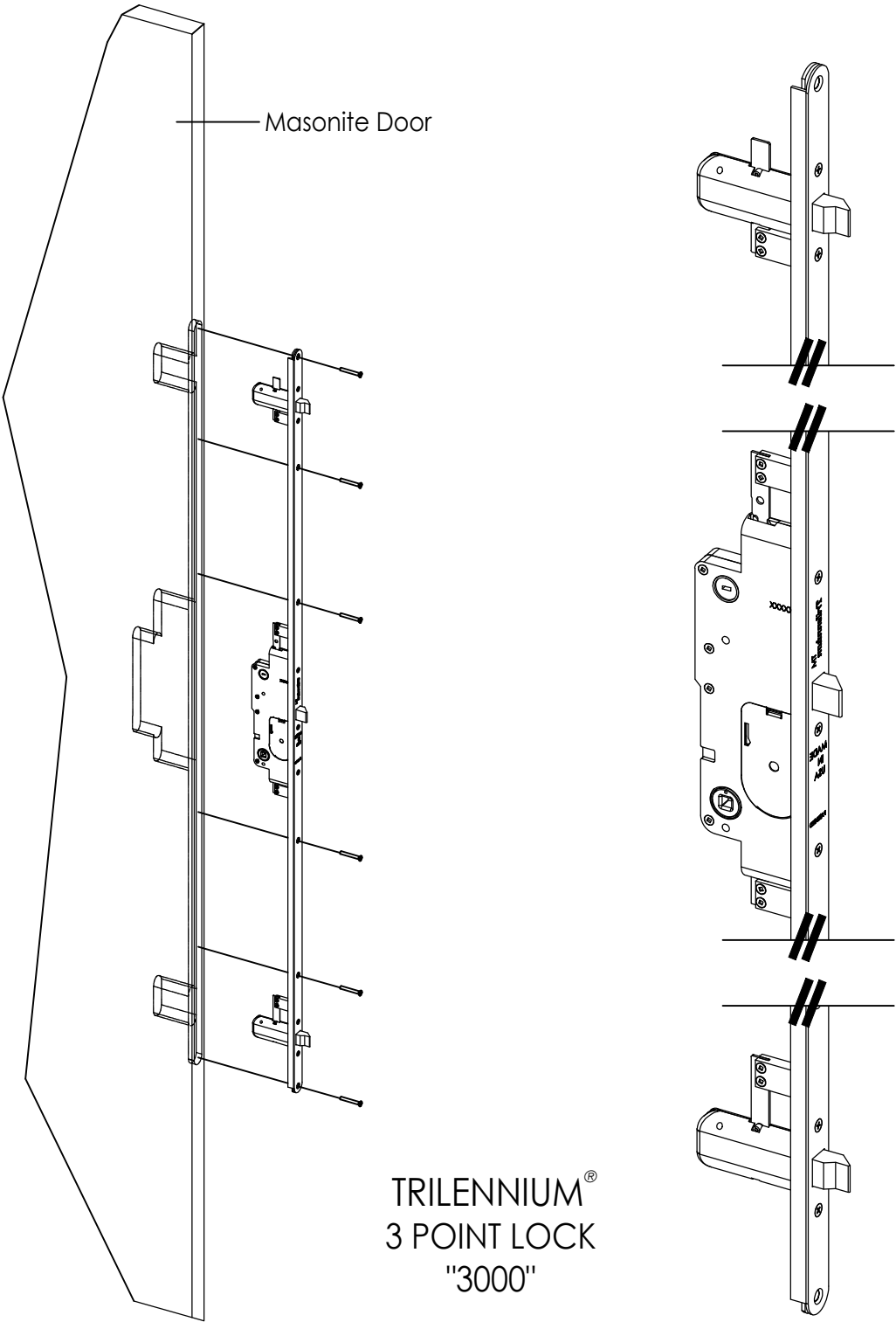
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Door panel details
3	Sidelite panel details
4	Elevations
5	Vertical cross sections
6	Horizontal cross sections
7	Lock set details
8	Buck anchoring
9	Frame anchoring & hardware details
10	Bill of materials and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



Digitally signed by Lyndon F Schmidt
Date: 2023.07.17 13:57:29 -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
MASONITE Opaque (Steel)	INSWING	112.25" x 81.94"	+45.0	-50.0
	OUTSWING	112.25" x 81.12"	+55.0	-55.0

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

ENDURA

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

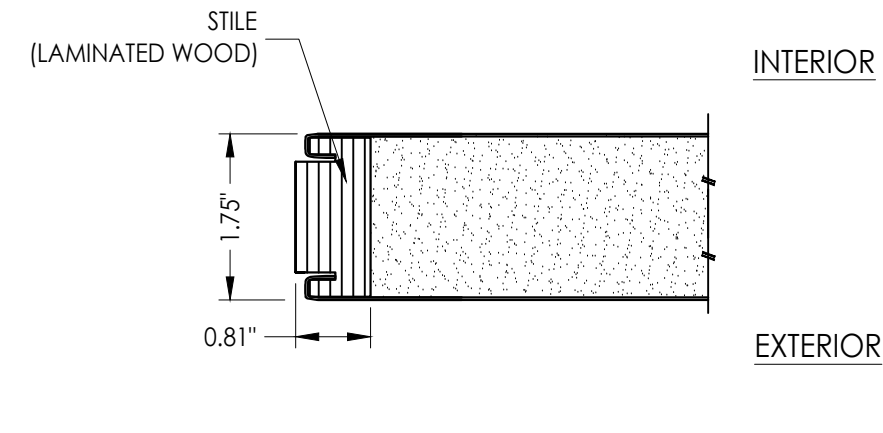
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3	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
1	4/16/16	ADD ALUMINUM ARTICULATING SILL	RW	RW
NO.	DATE			BY

DATE: 1/14/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15384.17
SHEET 1 OF 10

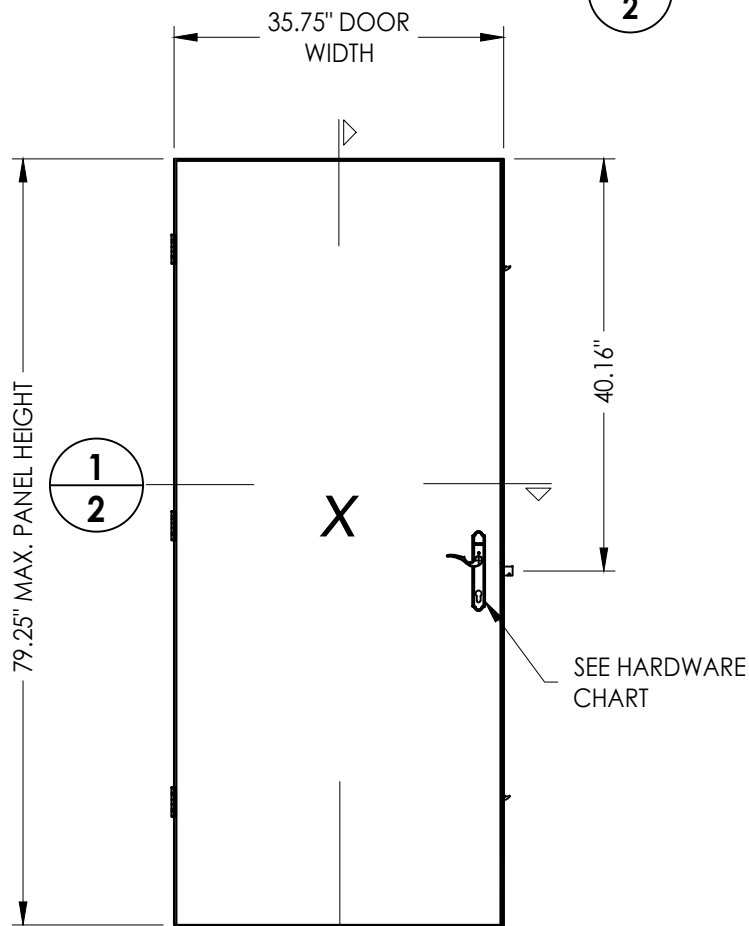
RW
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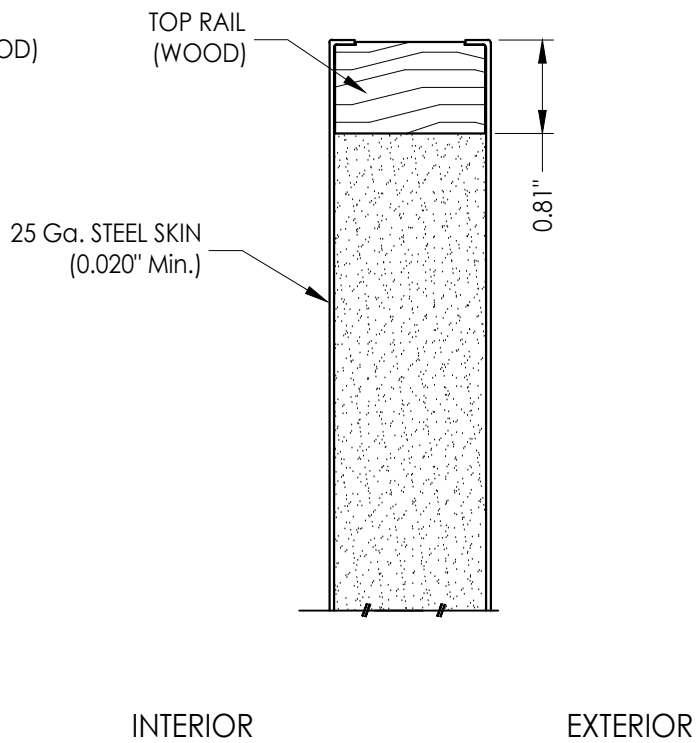


1
2 **HORIZONTAL CROSS SECTION**



40 **DOOR PANEL**
Masonite
Steel

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



2
2 **VERTICAL CROSS SECTION**

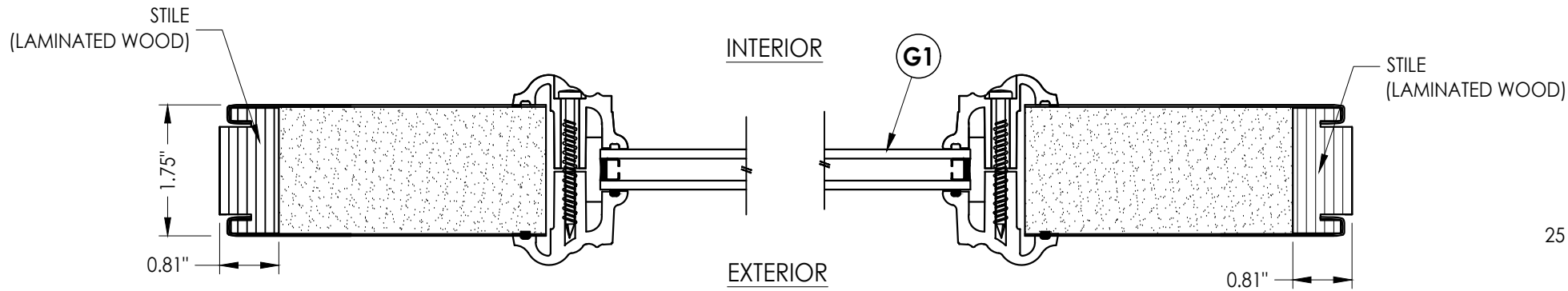
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ENDURA		DOOR PANEL DETAILS	
NO.	DATE	REVISIONS	BY
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3	8/10/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC	LFS
1	4/16/16	ADD ALUMINUM ARTICULATING SILL	RW
NO.	DATE		BY

DATE:	1/14/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15384.17
SHEET	2 OF 10

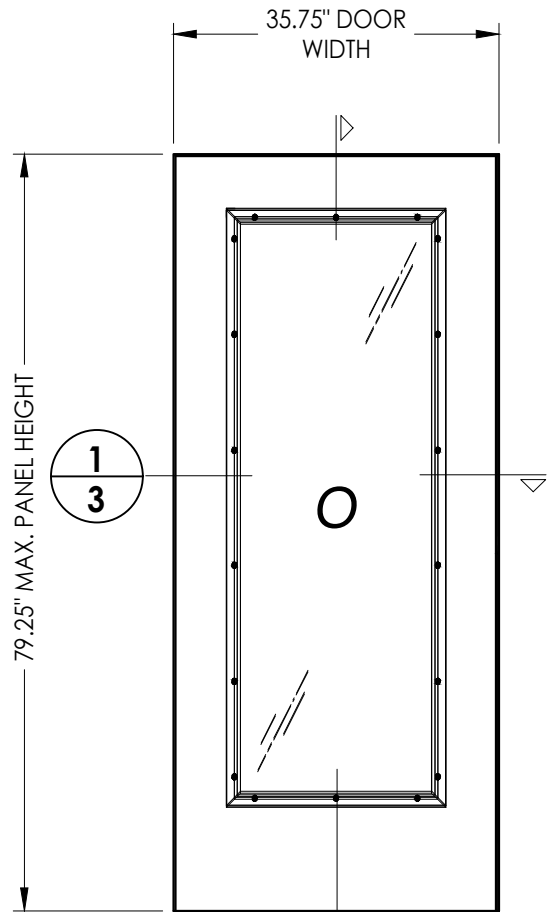
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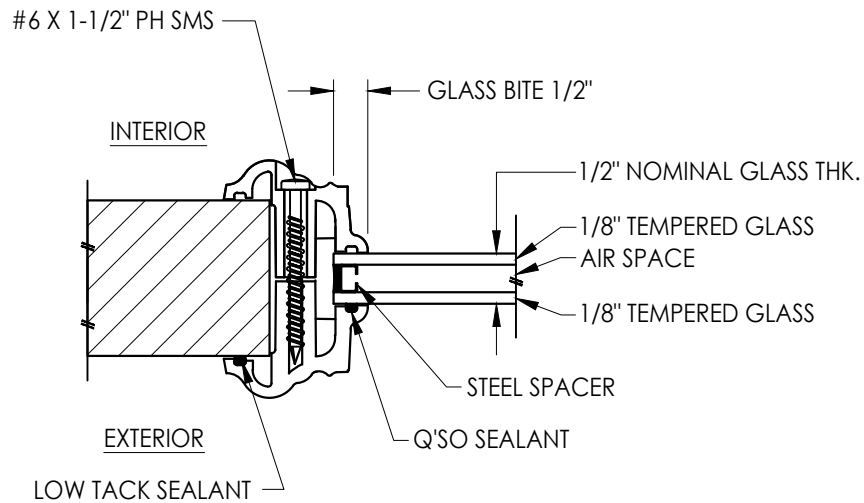
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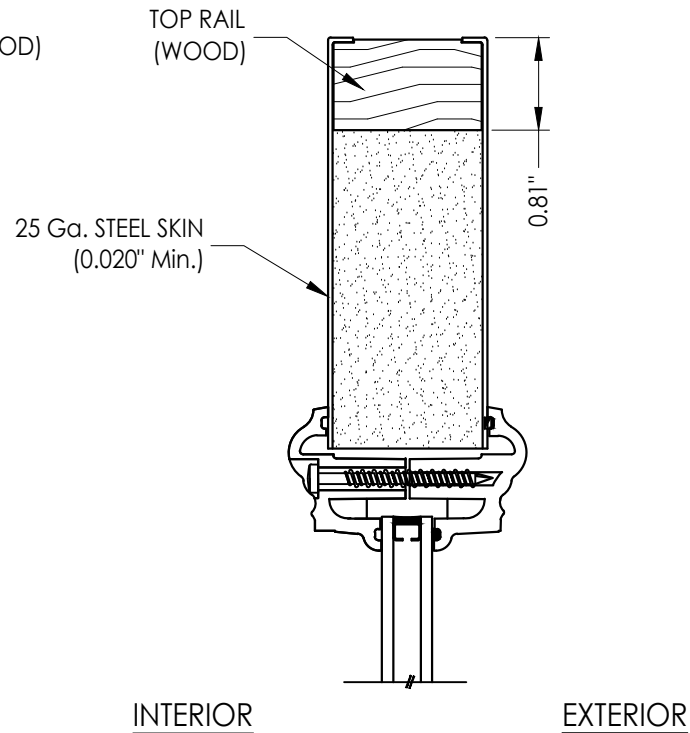
1
3 HORIZONTAL CROSS SECTION



2
3 50 SIDELITE PANEL
Masonite
Steel



G1 GLAZING DETAIL
Lip Lite Insert Glazing



FOAM CORE
(POLYURETHANE)
BOTTOM RAIL
(WOOD COMP.)

2
3 VERTICAL CROSS SECTION

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3	8/10/20	UPDATE TO 7TH ED. (2020) FBC	LFS
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DATE: 1/14/16

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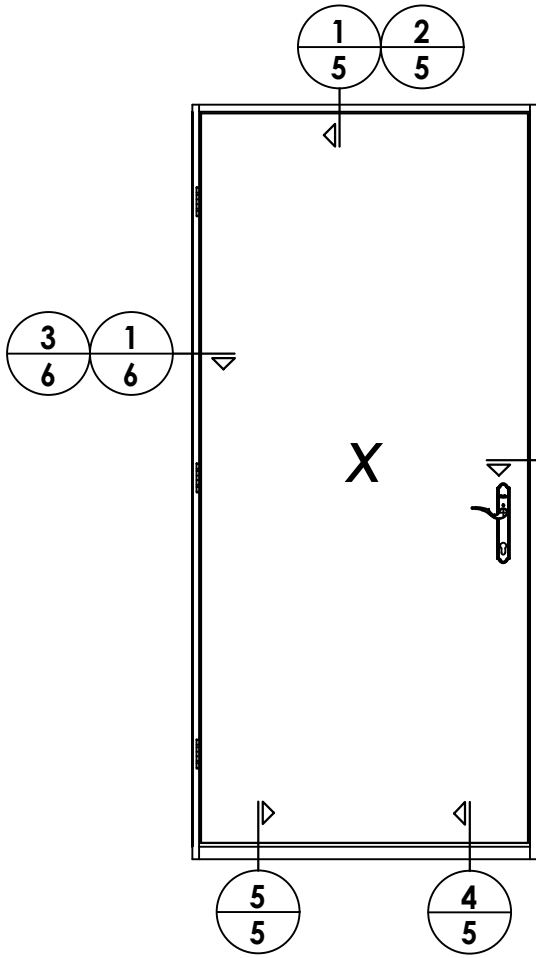
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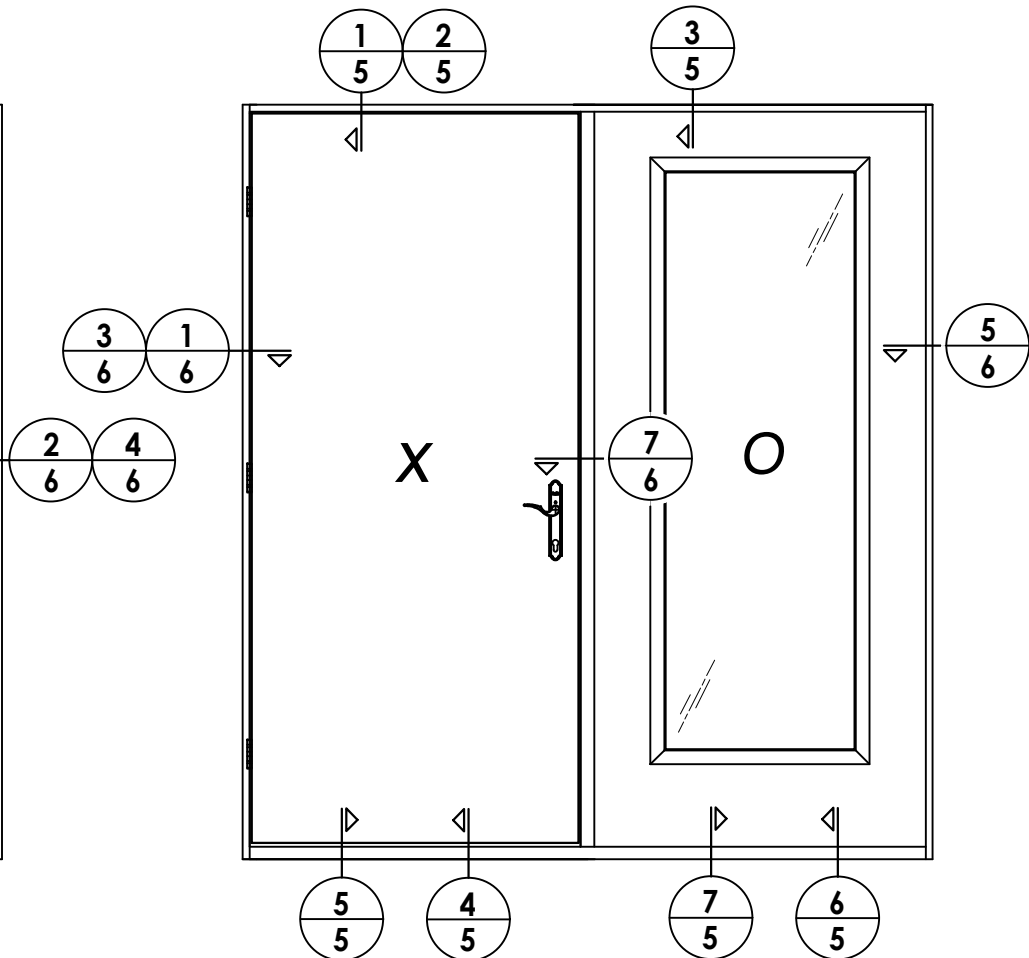
SHEET 3 OF 10

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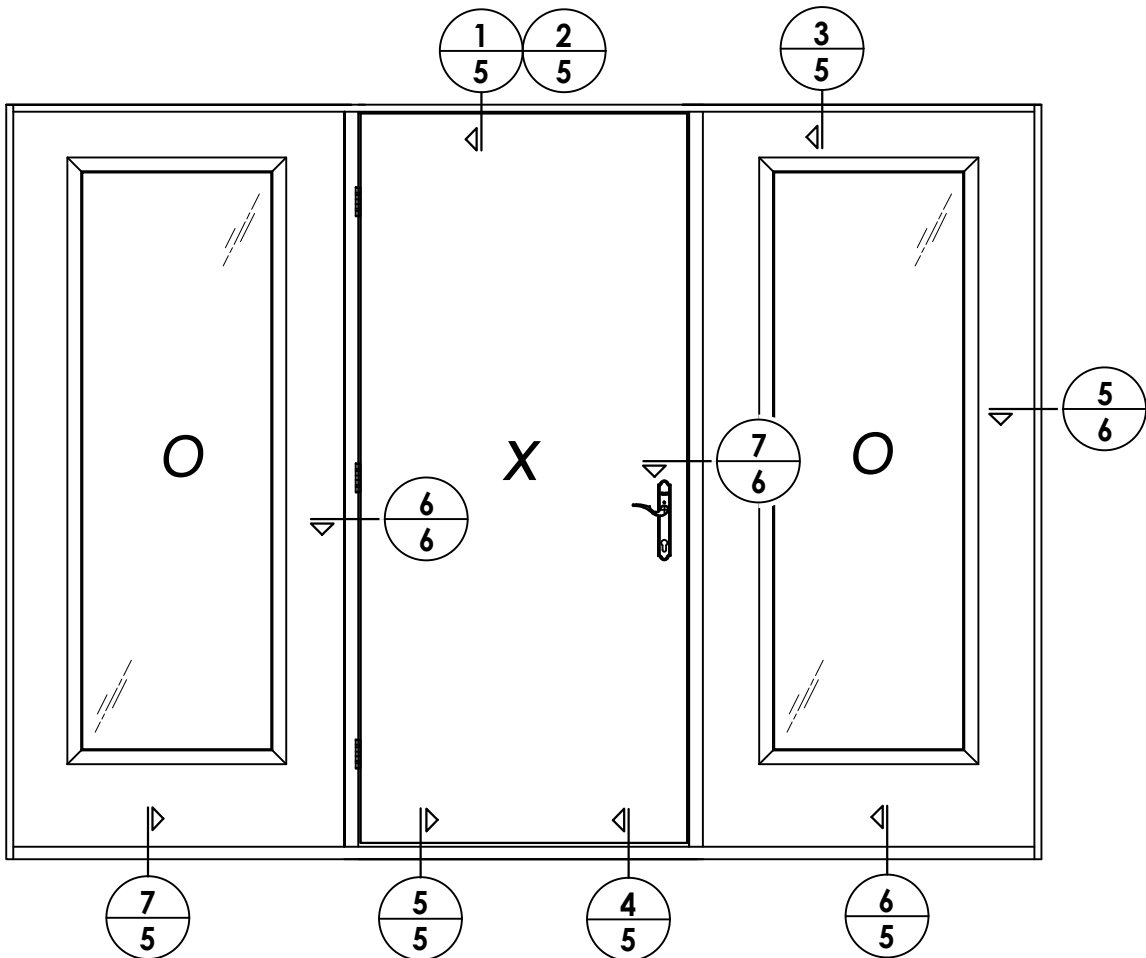
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ELEVATION
X



ELEVATION
XO / OX



ELEVATION
OXO

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-15384.17

SHEET 4 OF 10

PRODUCT:

ENDURA

PART OR ASSEMBLY:

ELEVATIONS

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

RW

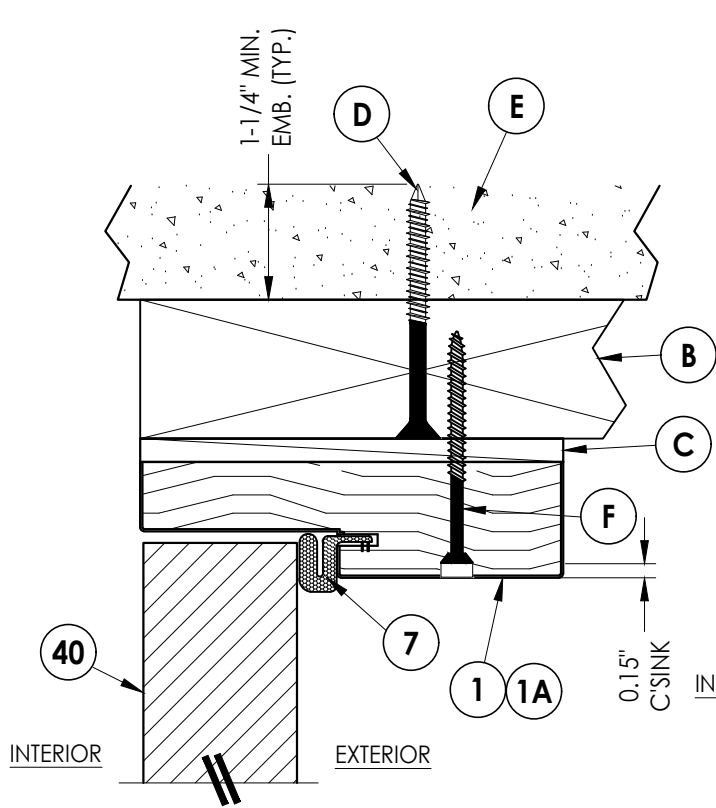
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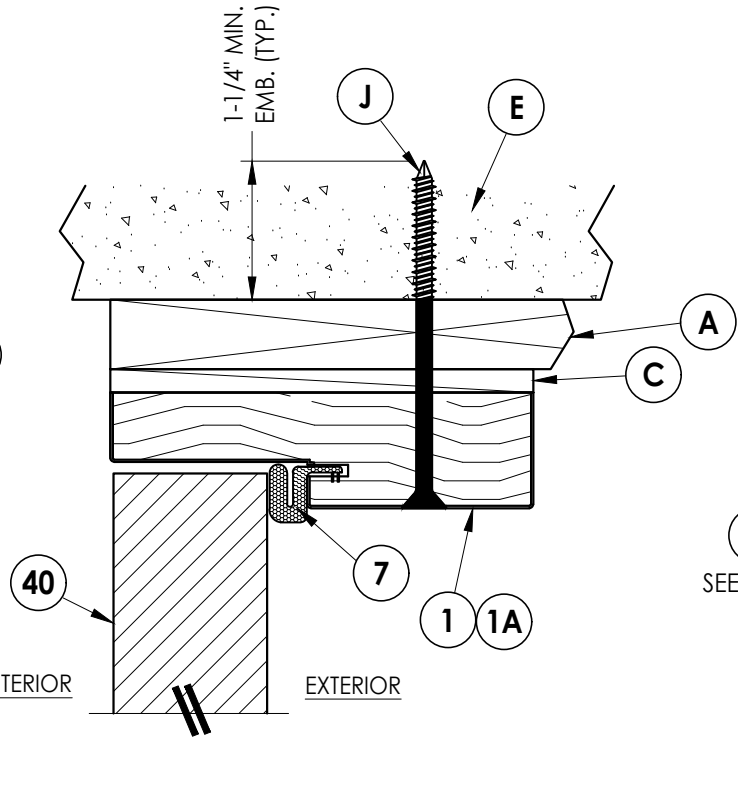
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FBPE Registry No. 9813

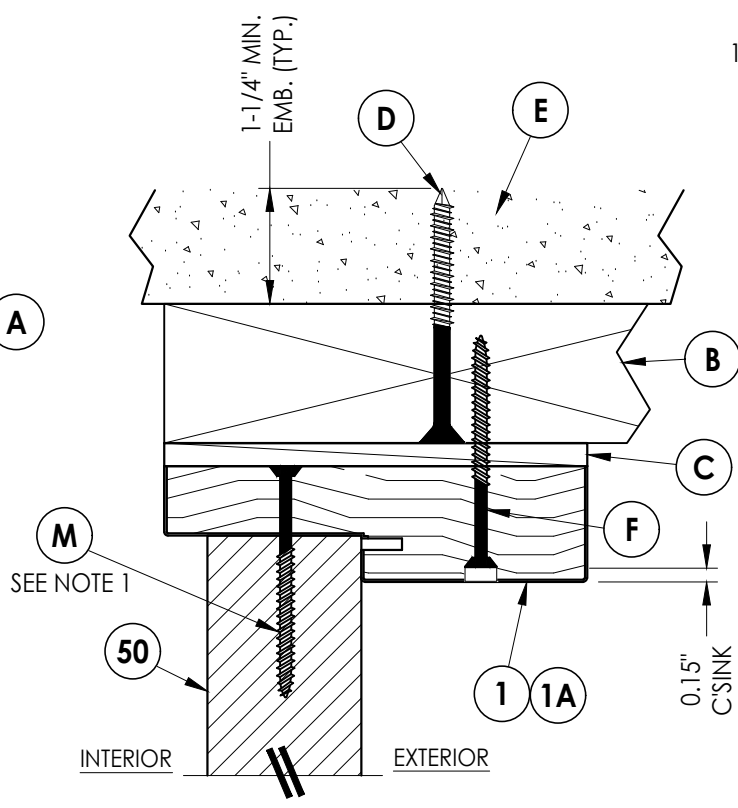
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1
5 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

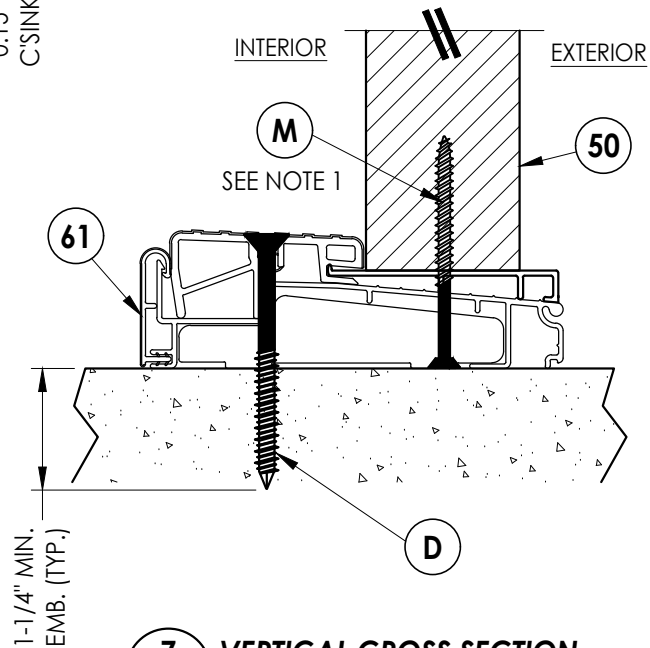


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5 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
1X Buck Construction

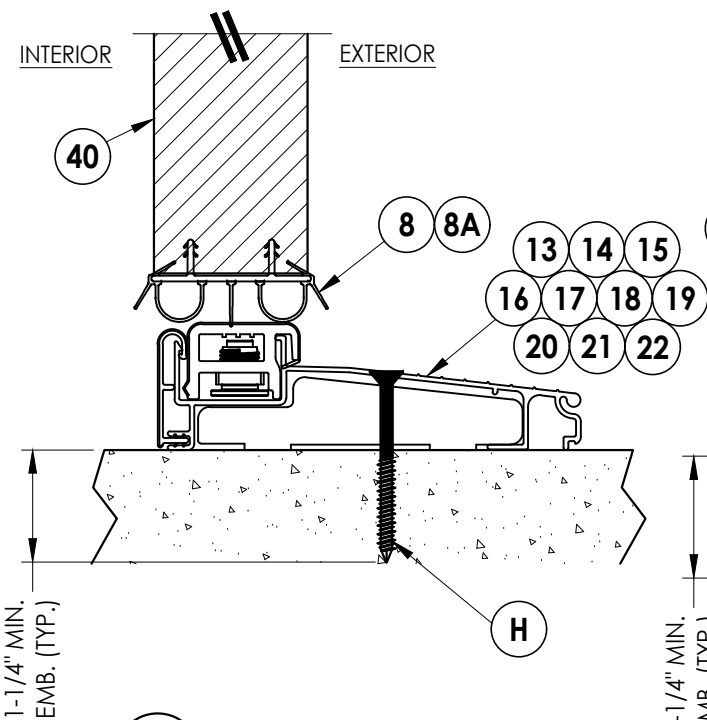


3
5 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

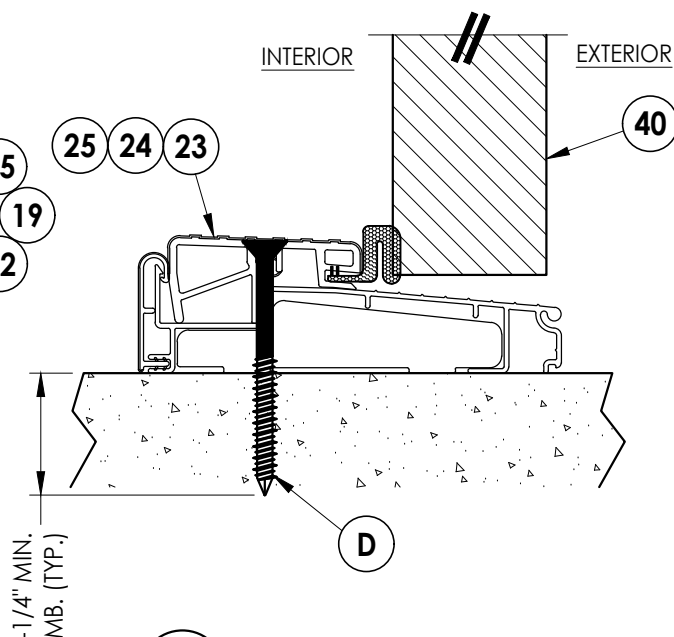
NOTE:
1. Spacing for sidelite screws (item M):
6" from each end (2 total).



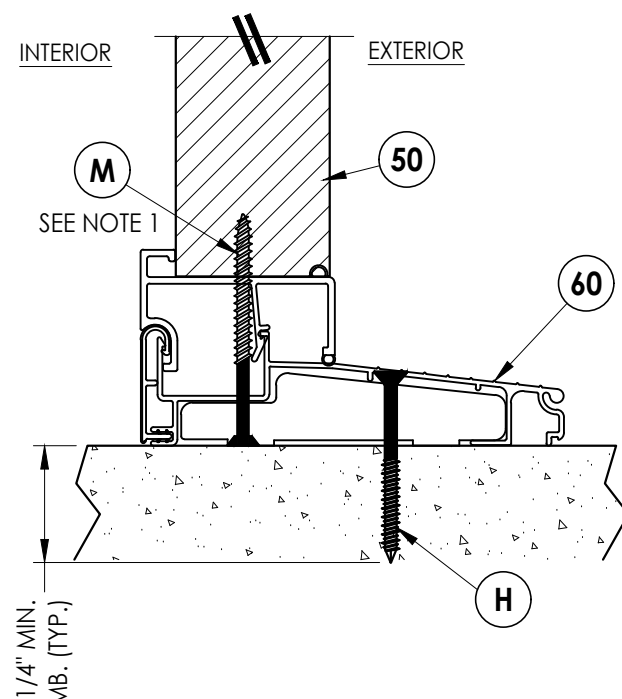
7
5 **VERTICAL CROSS SECTION**
Outswing sill



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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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

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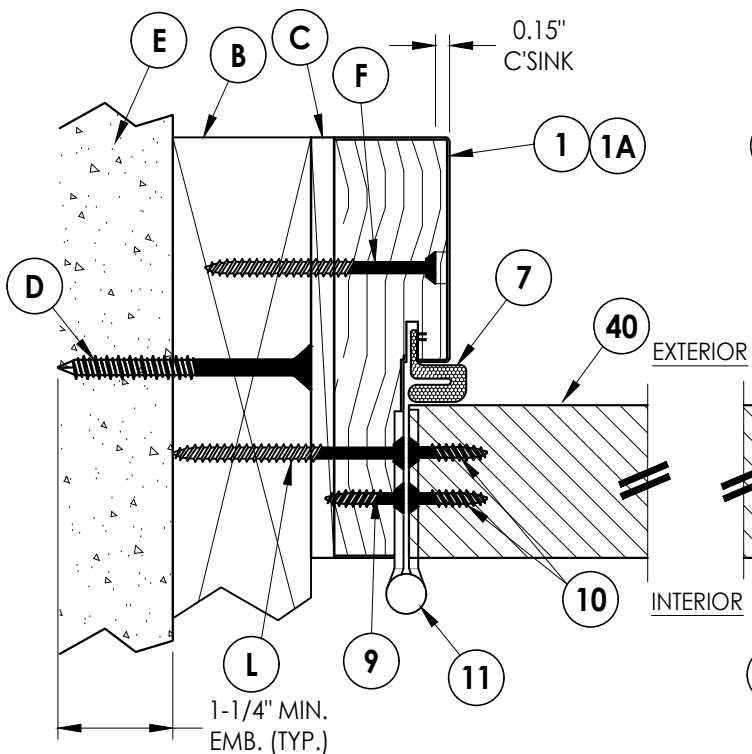
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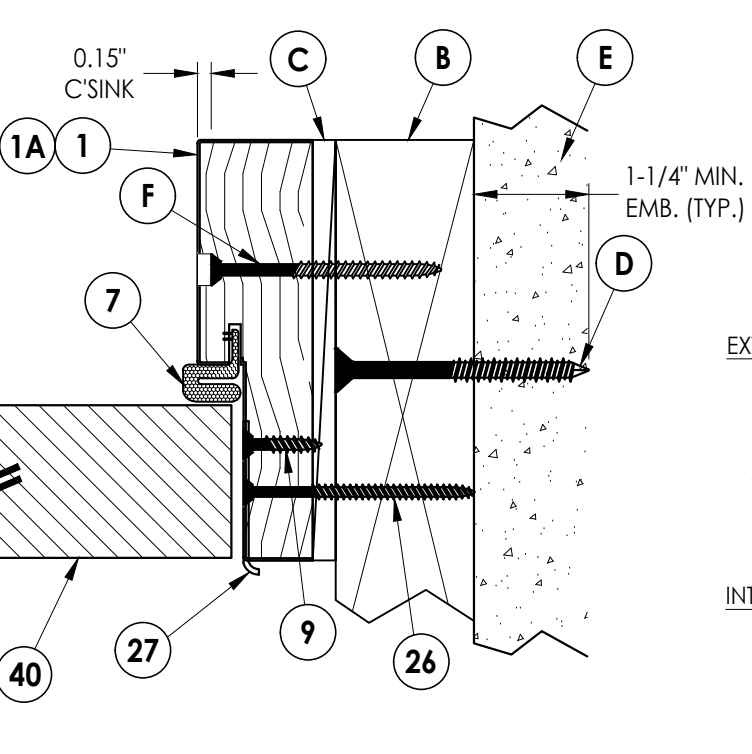
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SHEET 5 OF 10

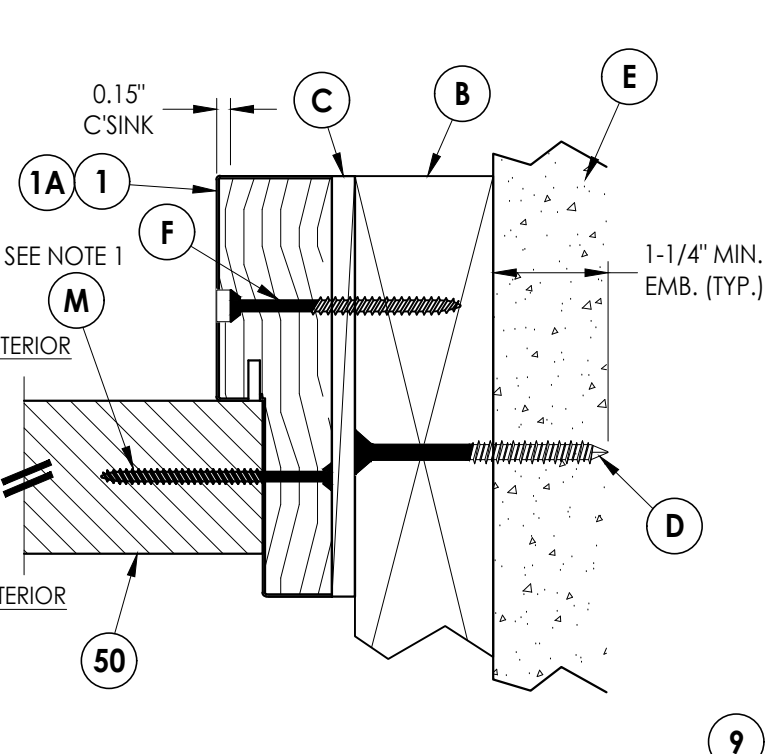
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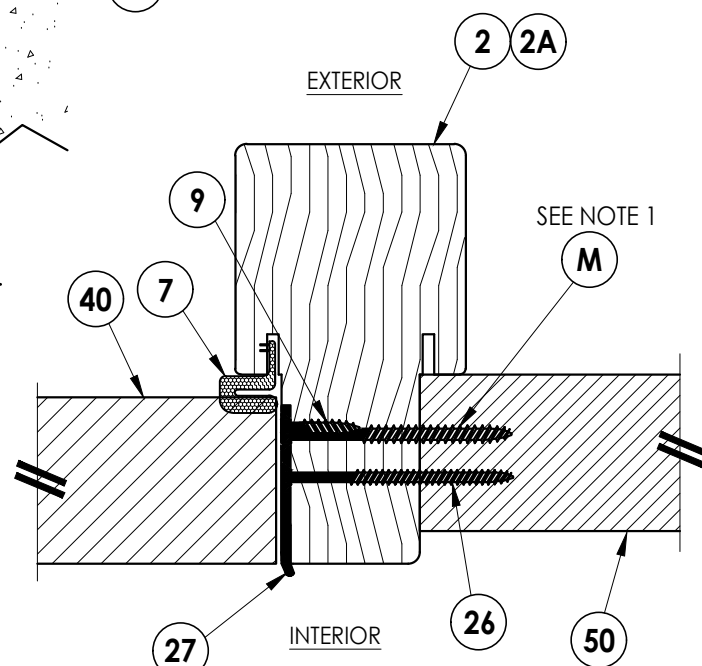
1 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



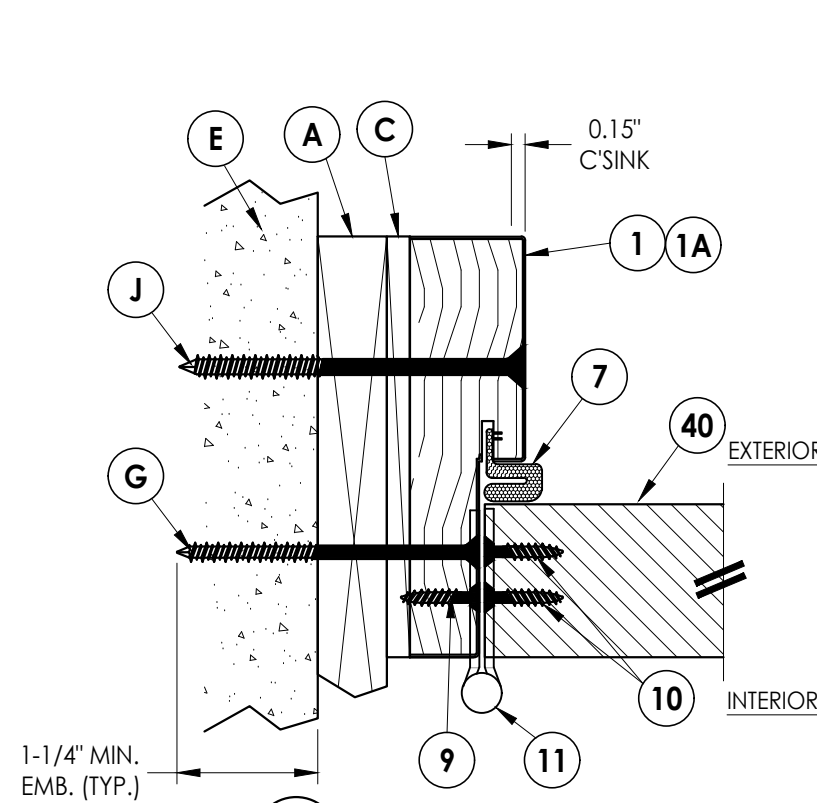
2 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



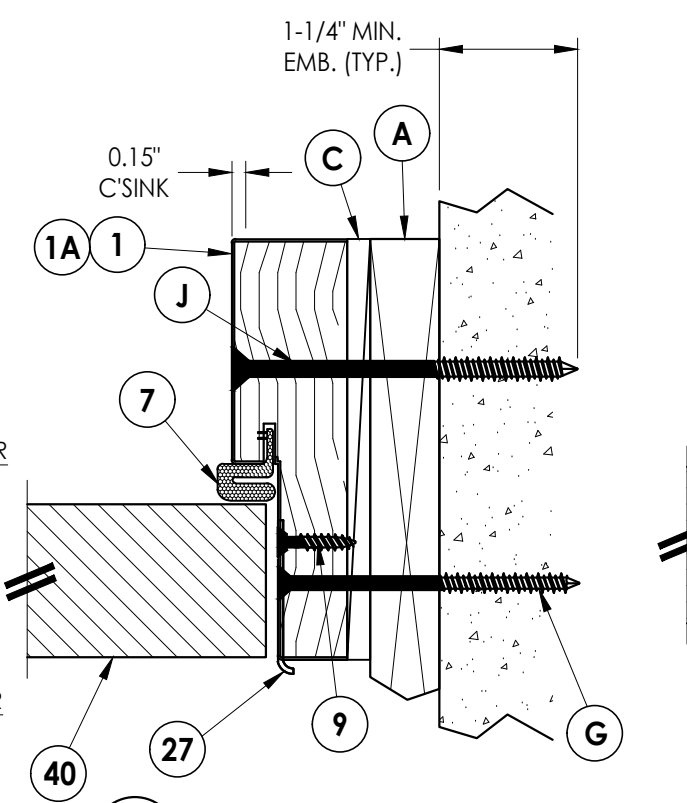
5 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



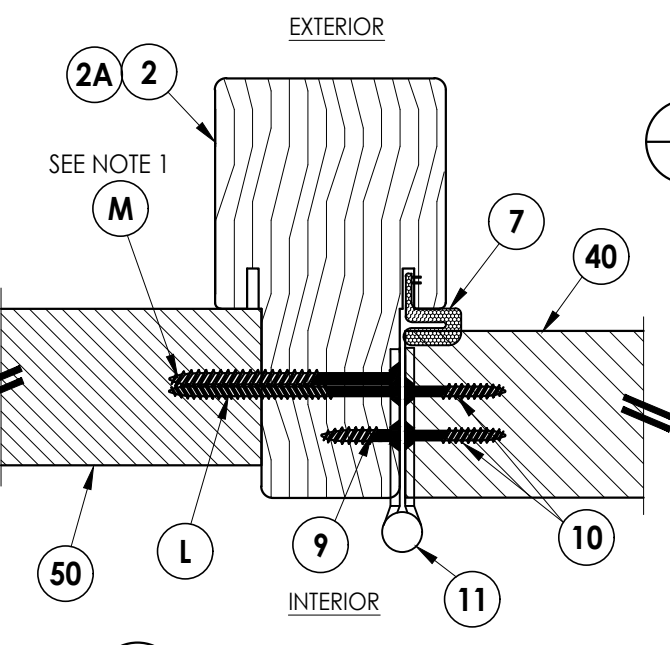
7 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)



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



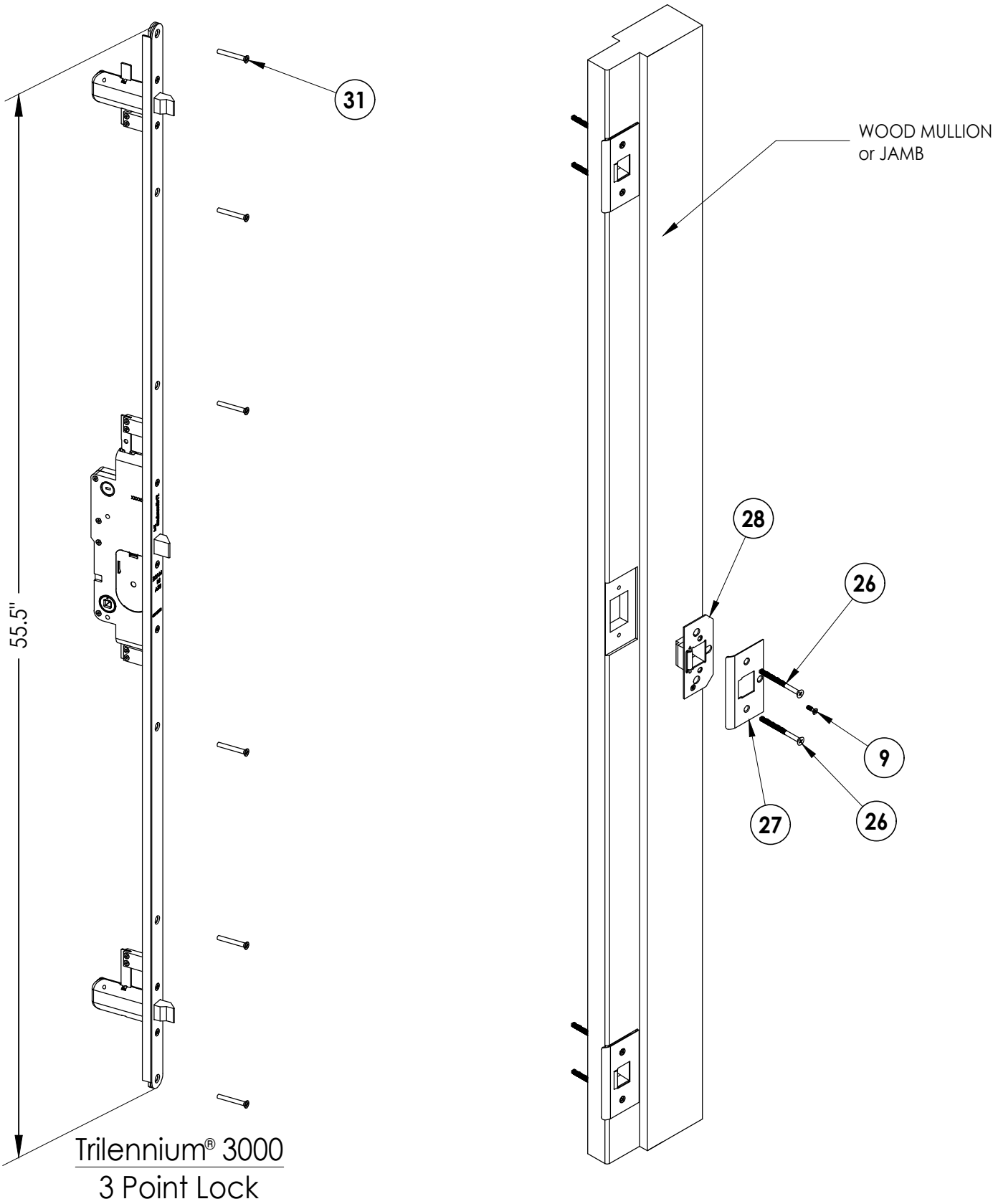
4 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
1X Buck Construction



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

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

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PRODUCT: ENDURA		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
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CHK. BY: LFS			
DRAWING NO.: FL-15384.17			
SHEET 6 OF 10			

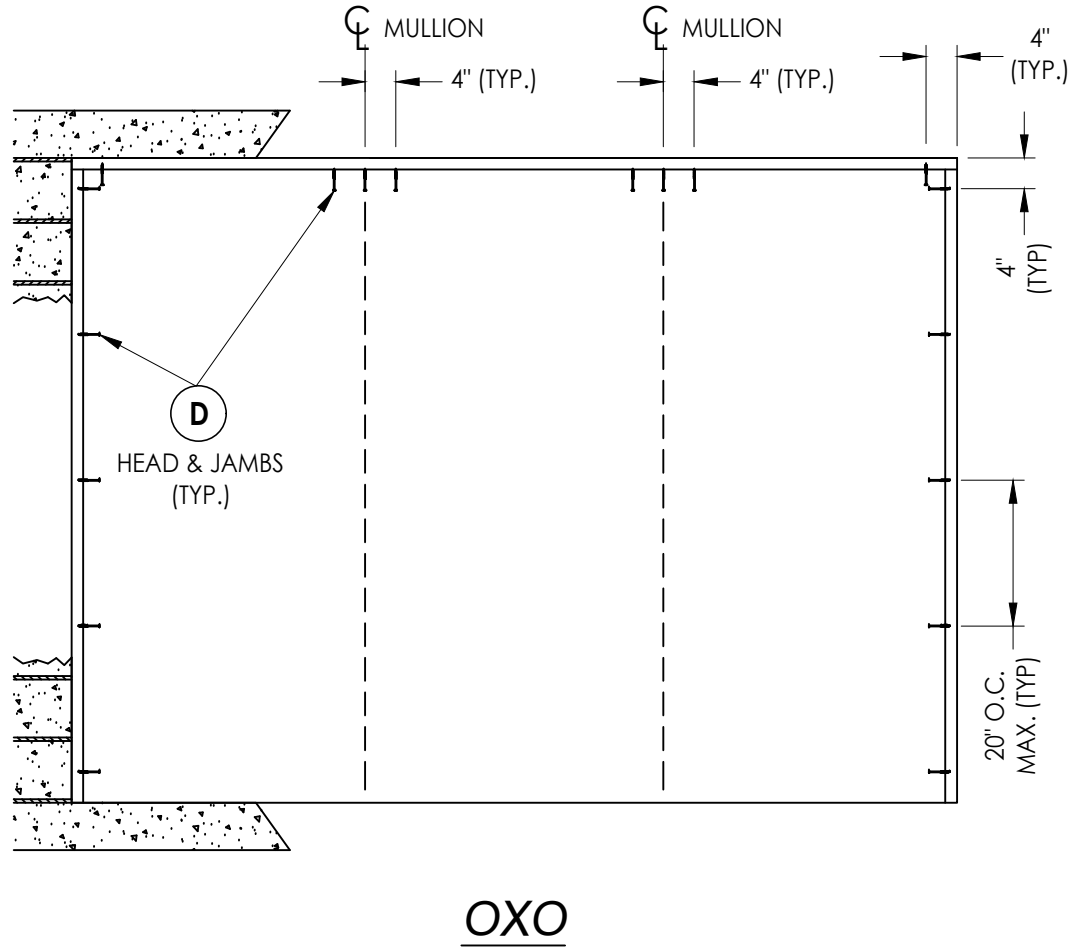
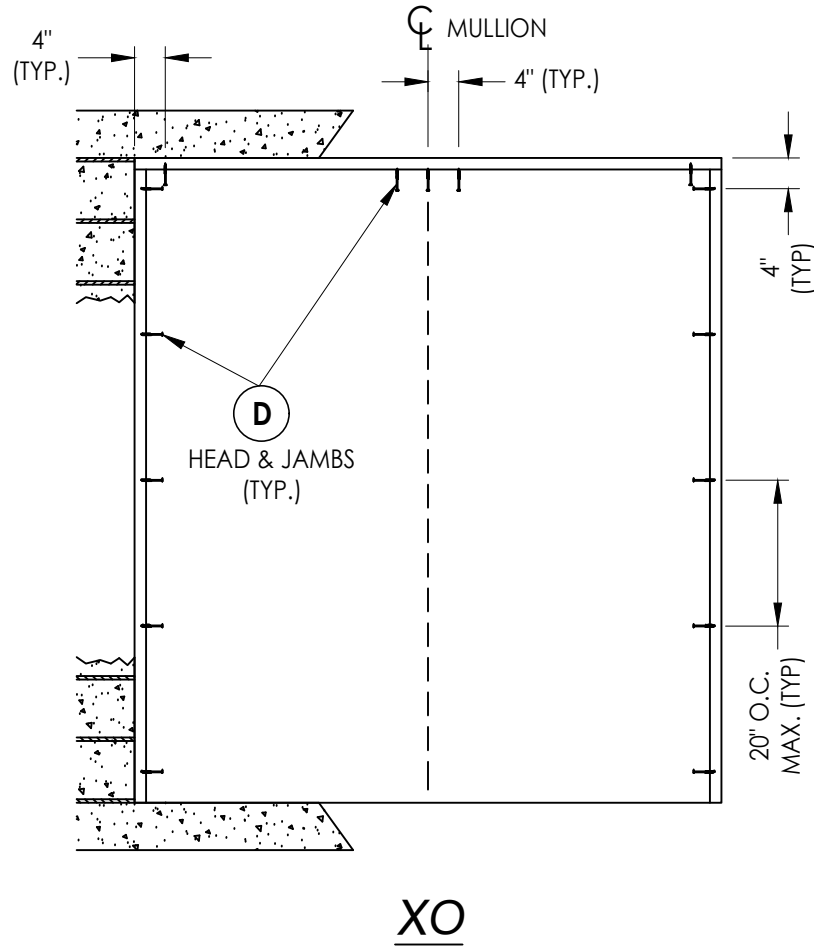
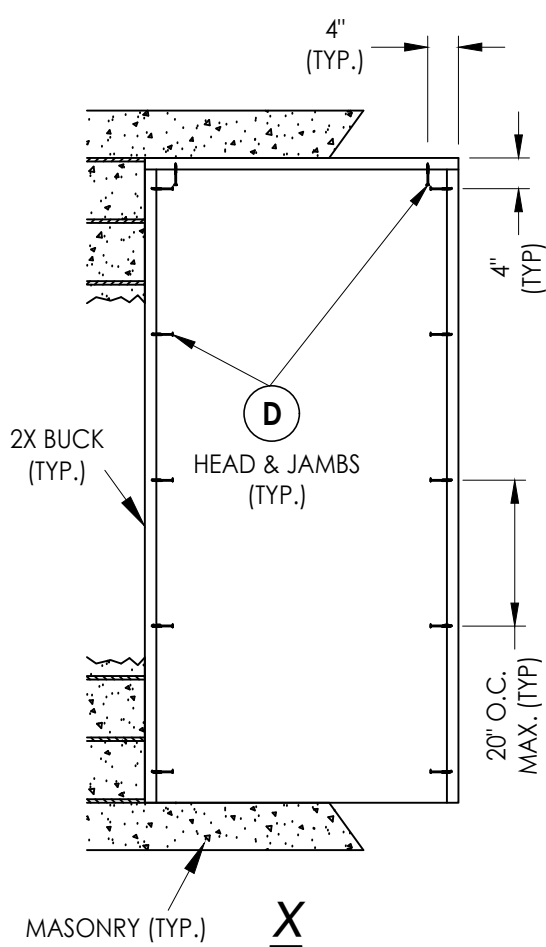


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SHEET	7 of 10

PRODUCT:	ENDURA
PART OR ASSEMBLY:	LOCK SET DETAILS

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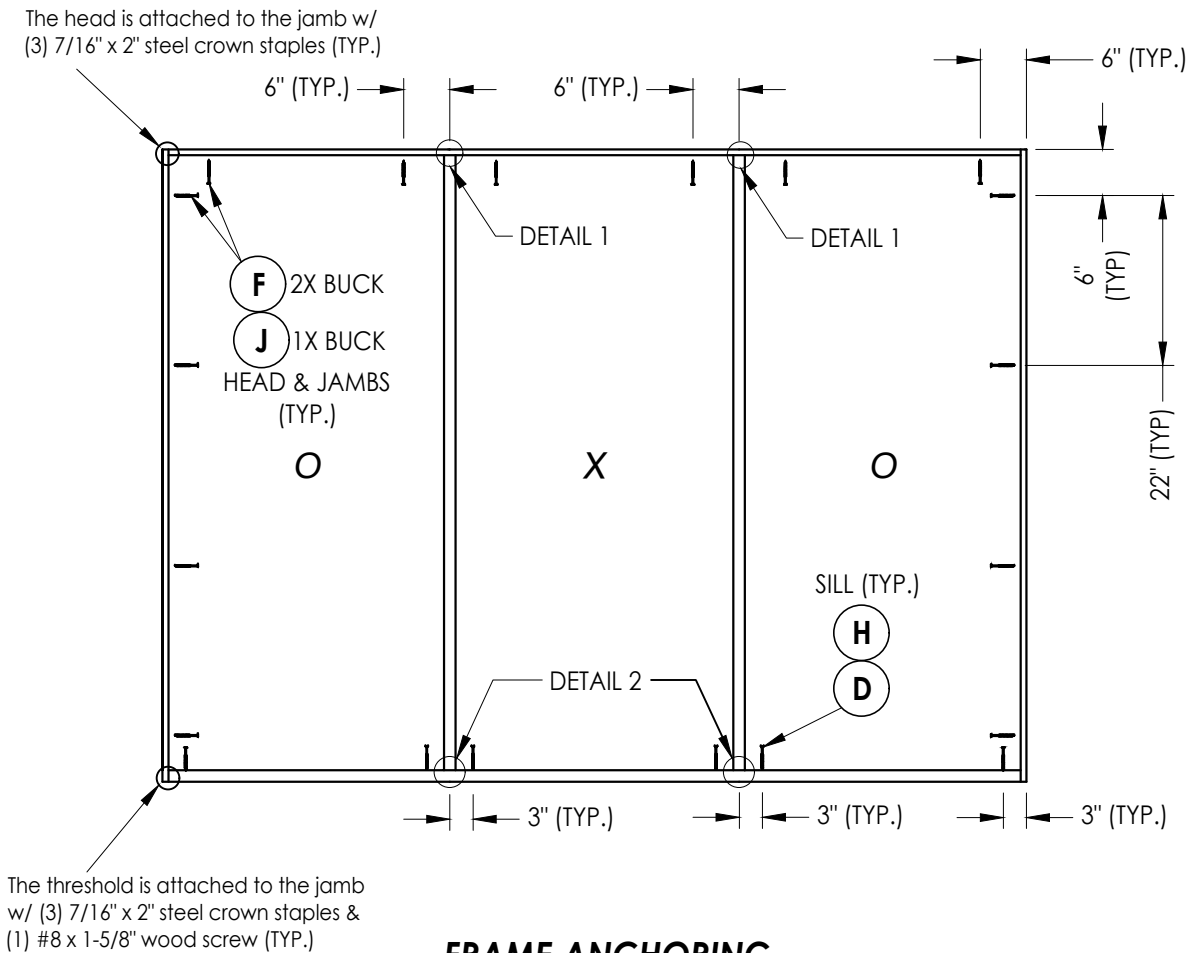
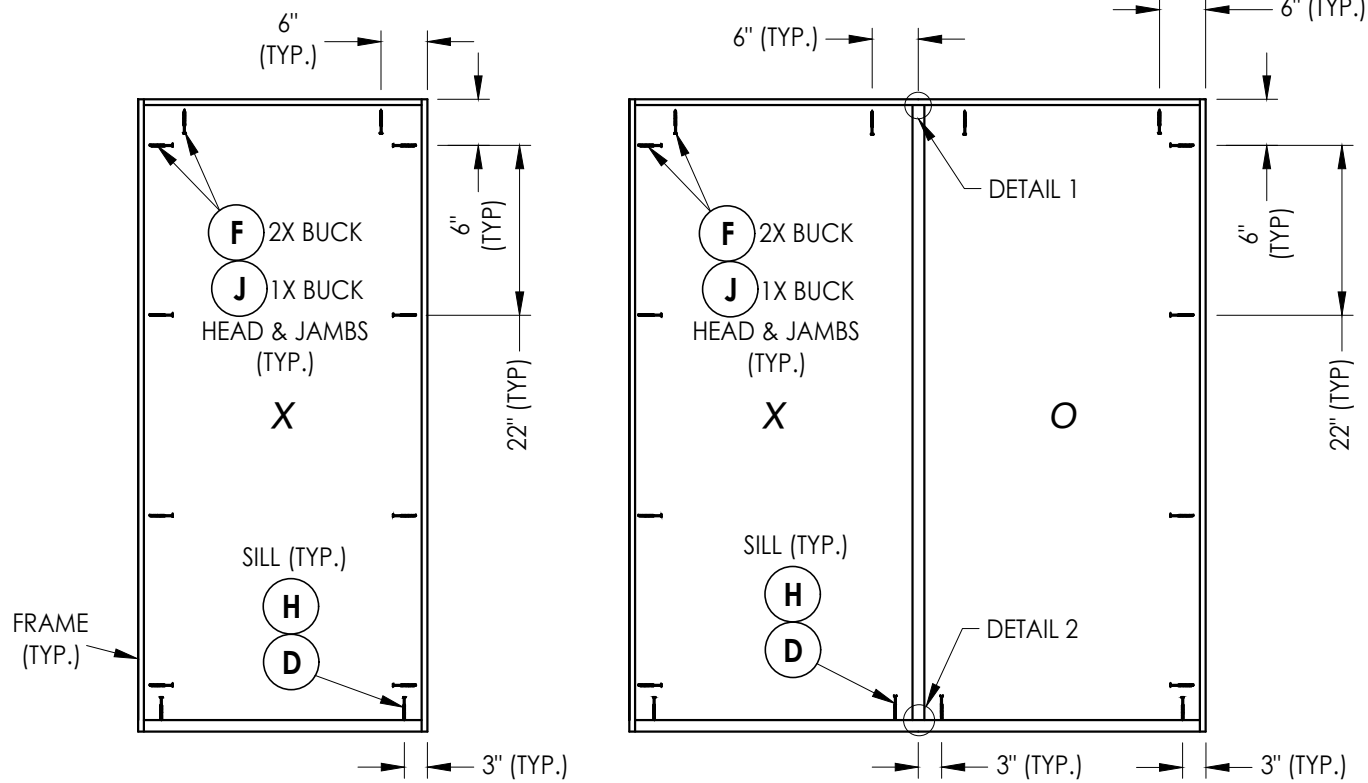
2X BUCK ANCHORING

NO.	DATE	REVISIONS
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2	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	4/16/16	ADD ALUMINUM ARTICULATING SILL RW
NO.	DATE	BY

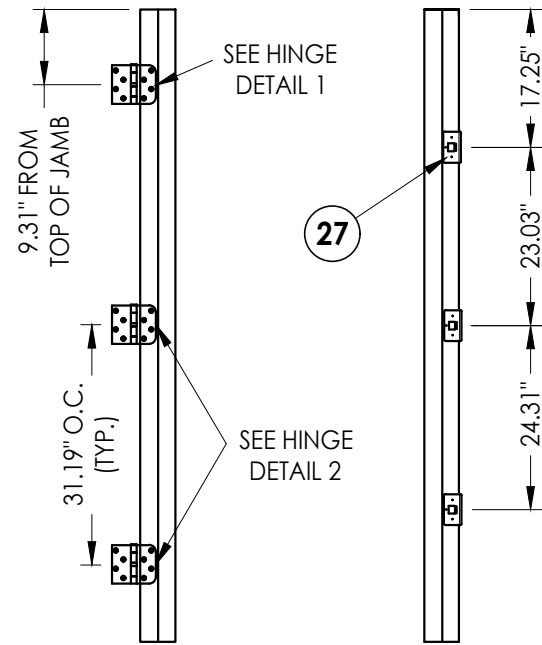
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CHK. BY:	LFS
DRAWING NO.:	FL-15384.17
SHEET	8 OF 10

PRODUCT:	ENDURA
PART OR ASSEMBLY:	BUCK ANCHORING

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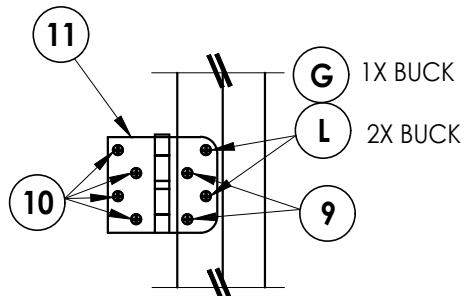


FRAME ANCHORING

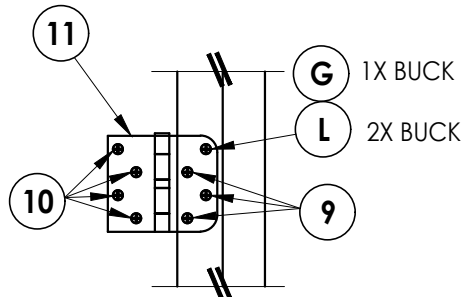


HINGE JAMB

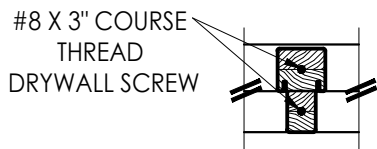
STRIKE JAMB



HINGE DETAIL 1

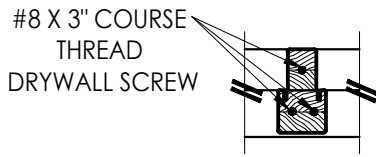


HINGE DETAIL 2



DETAIL 1

Integral mullion 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.

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SHEET 9 OF 10

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