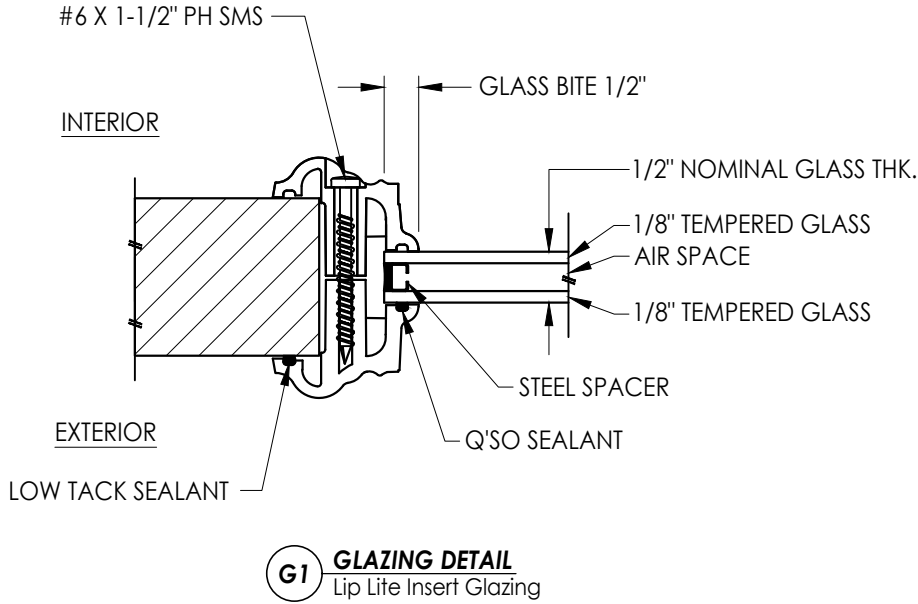
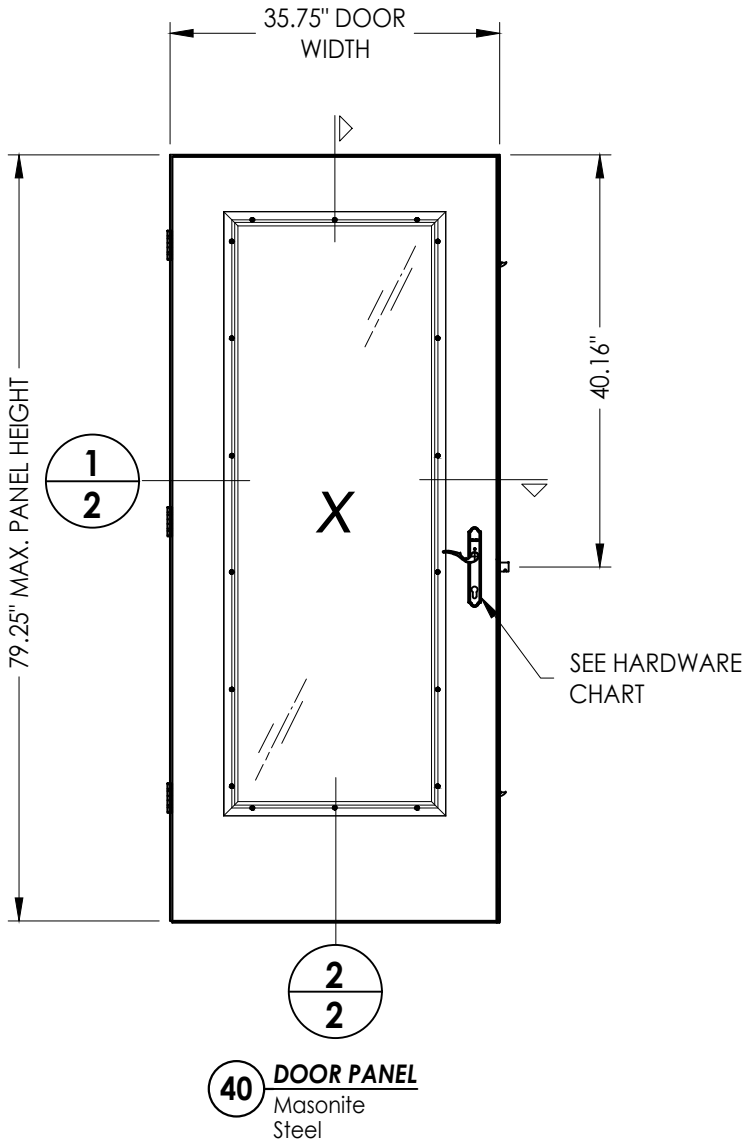
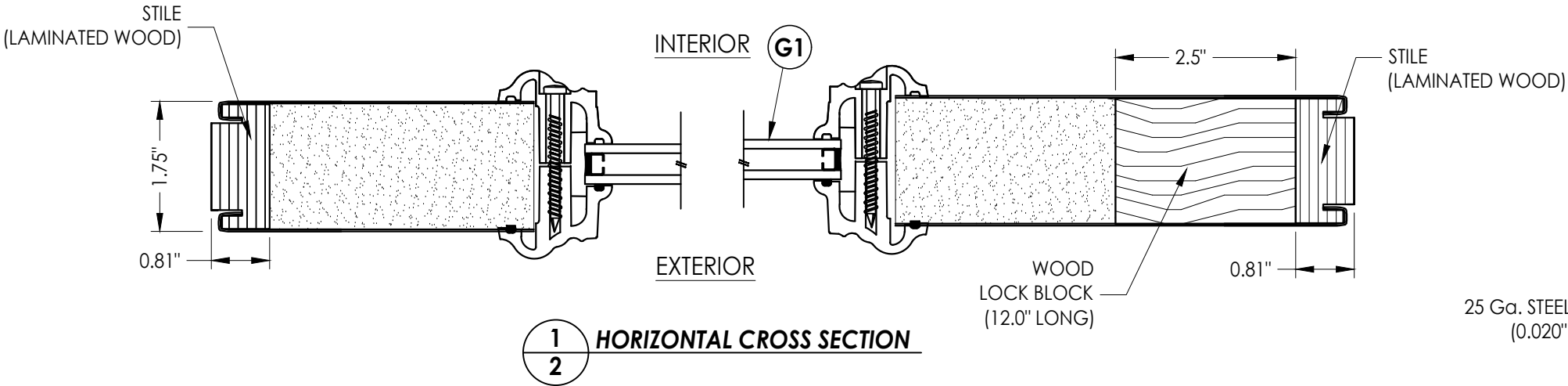
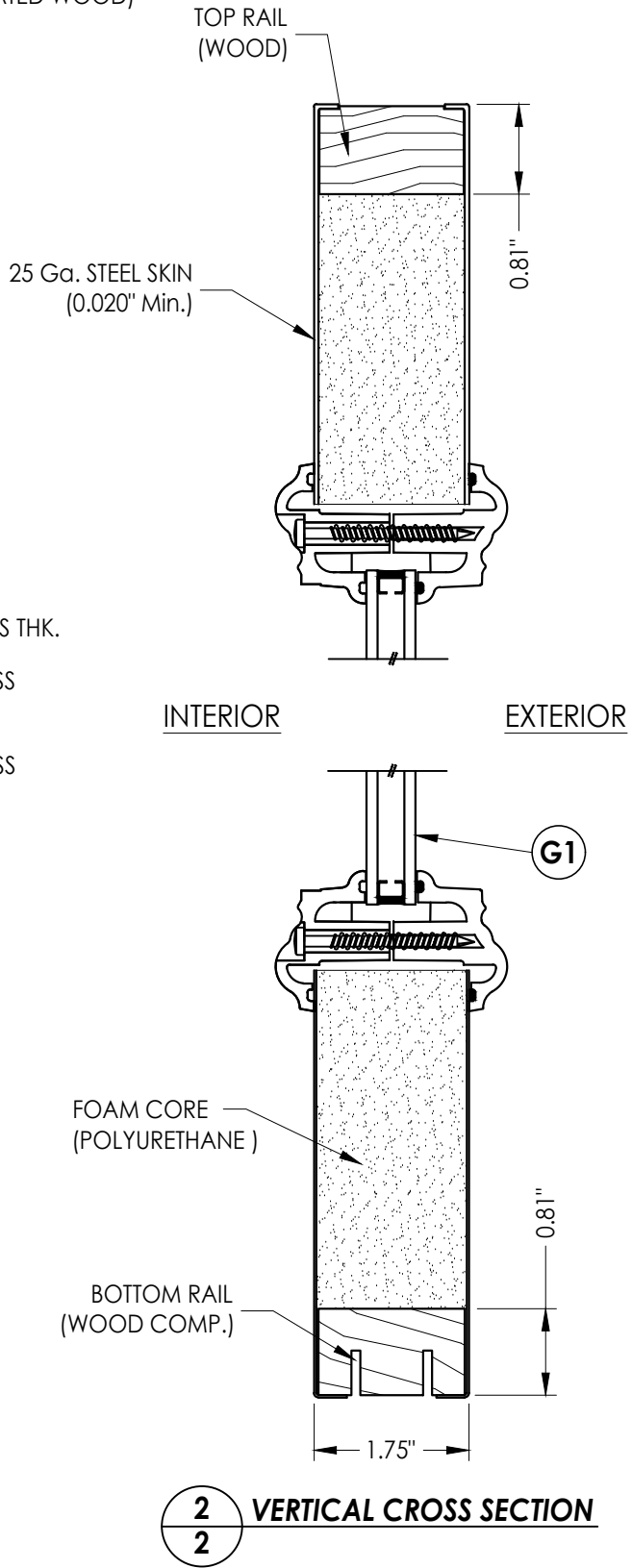


Z:\2023 FBC Drawings\Endura Products\FL-15384 R11\FL-15384.18.dwg



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



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: DOOR PANEL DETAILS

NO.	DATE	REVISIONS			
		BY	DATE	DESCRIPTION	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	BY	

DATE: 1/14/16

SCALE: N.T.S.

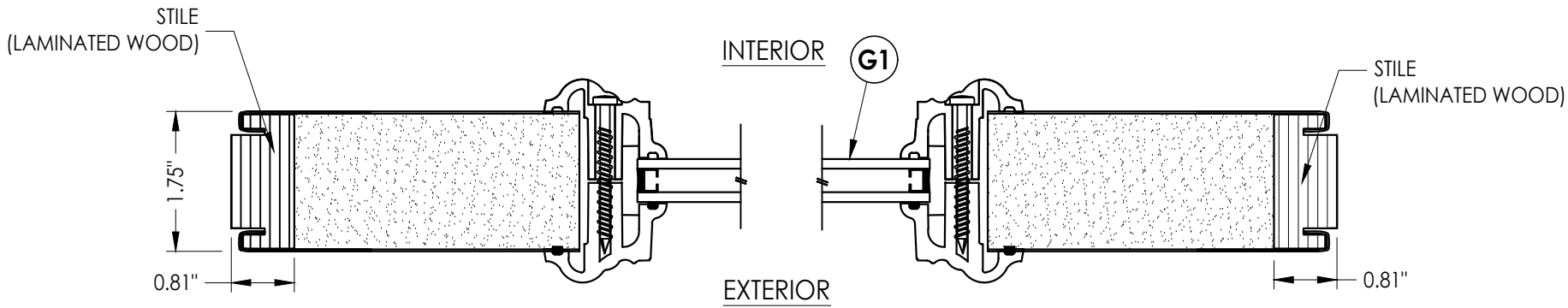
DWG. BY: JK

CHK. BY: LFS

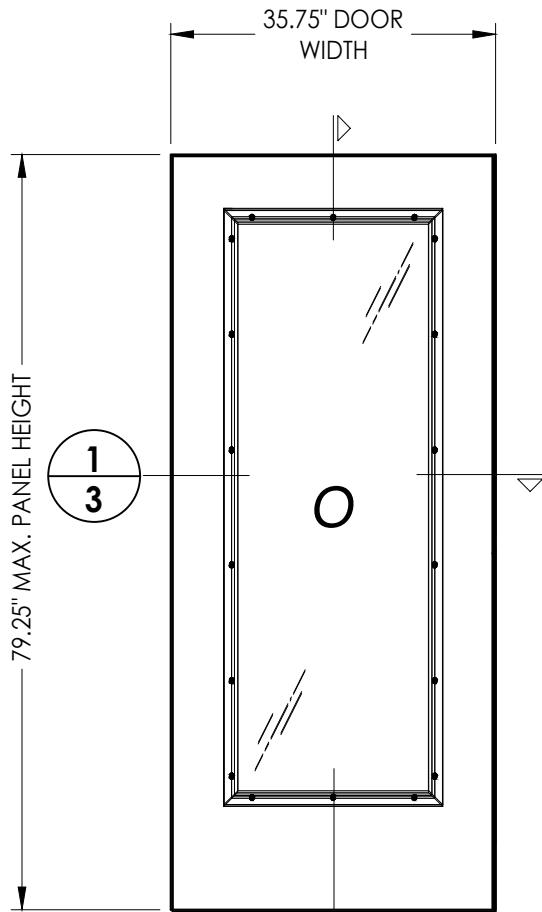
DRAWING NO.:
FL-15384.18

SHEET 2 OF 10

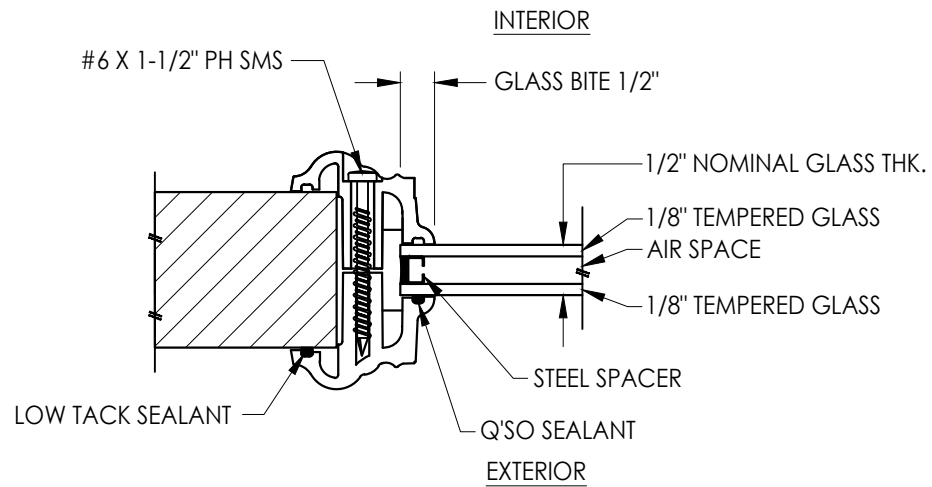
Z:\2023 FBC Drawings\Endura Products\FL-15384 R11\FL-15384.18.dwg



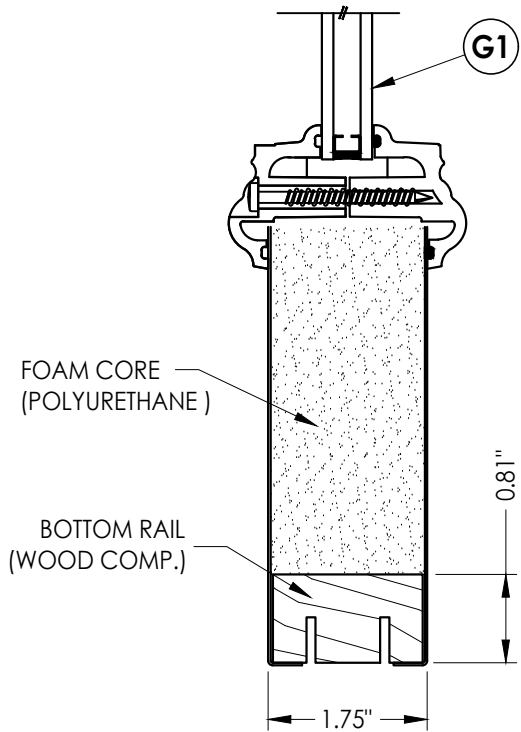
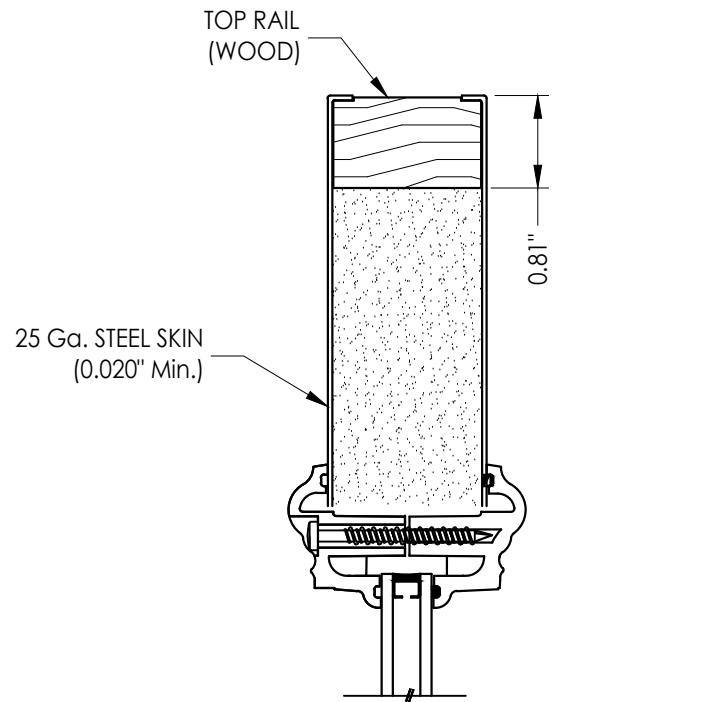
1
3 **HORIZONTAL CROSS SECTION**



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
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

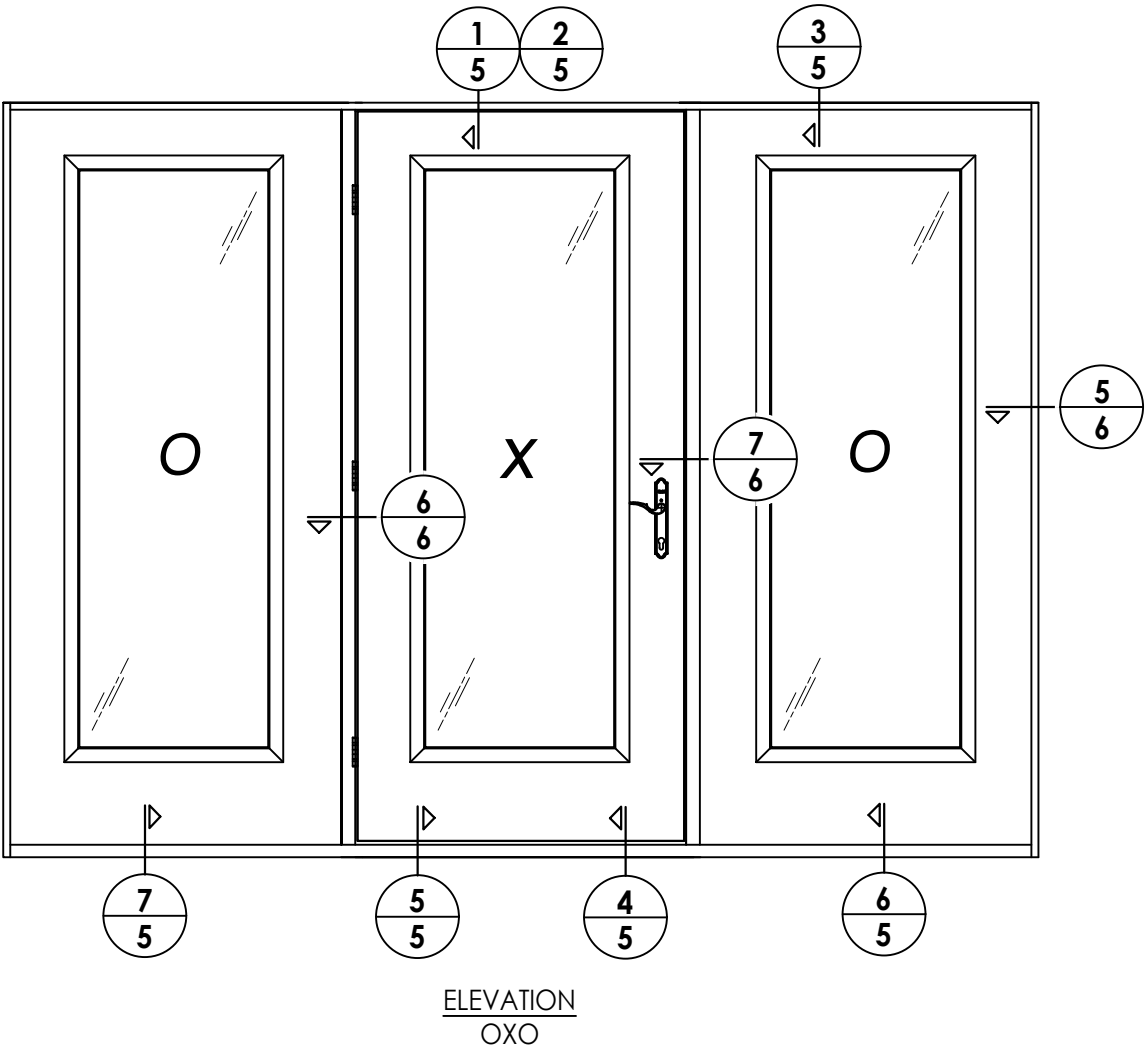
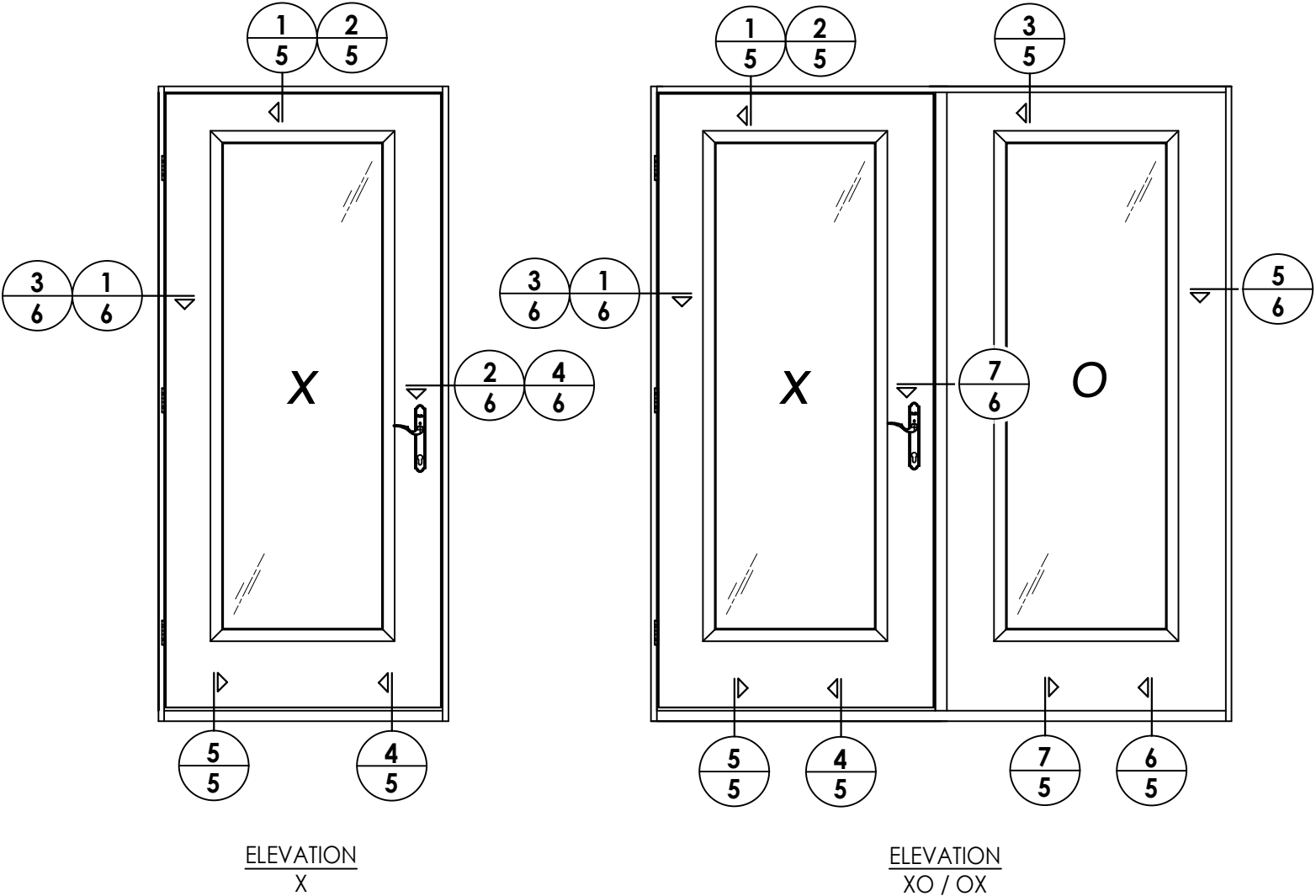
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15384.18

SHEET 3 OF 10



NO.	DATE	REVISIONS			
				BY	
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-15384.18
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

Technical cross-section diagram of a roof assembly. The diagram shows the following components and labels:

- 1**: Insulation layer below the deck.
- 1A**: Detail view of the insulation layer.
- 7**: Flashing or curb detail at the edge.
- 40**: Structural support or base wall.
- A**: Roof deck or structural layer.
- C**: Insulation layer above the deck.
- E**: Membrane or waterproofing layer.
- J**: Fastener or nail.
- EMB. (TYP.)**: Embedded fastener detail.
- 1-1/4" MIN.**: Minimum thickness dimension for the top layer.
- TERIOR**: Interior side of the roof.
- EXTERIOR**: Exterior side of the roof.
- SEE**: Reference to another section.

NOTE:

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

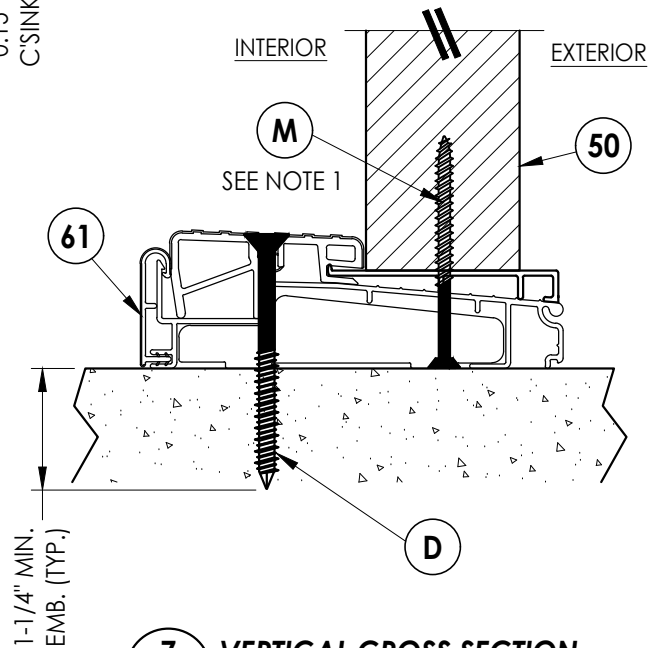


Diagram illustrating the vertical cross-section of a window assembly. The diagram shows the interior and exterior views, separated by a vertical line. The interior side is labeled "INTERIOR" and the exterior side is labeled "EXTERIOR".

Key components and labels:

- 50**: Window frame or sash.
- 60**: Window sill or base.
- M**: Fastener (screw) securing the frame to the sill.
- H**: Fastener (screw) securing the sill to the substrate.
- SEE NOTE 1**: Reference to a note regarding the fastener M.
- 1-1/4" MIN. EMB. (TYP.)**: Minimum embedment depth of the fastener H into the substrate.

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**

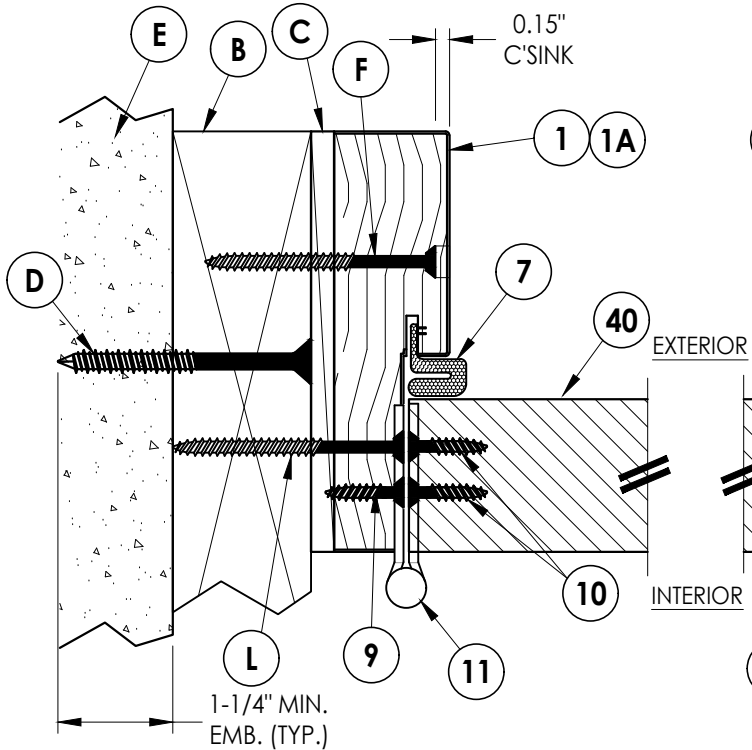
ASSEMBLY:
**VERTICAL CROSS
SECTIONS**

	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
	NO.	DATE				
REVISIONS						

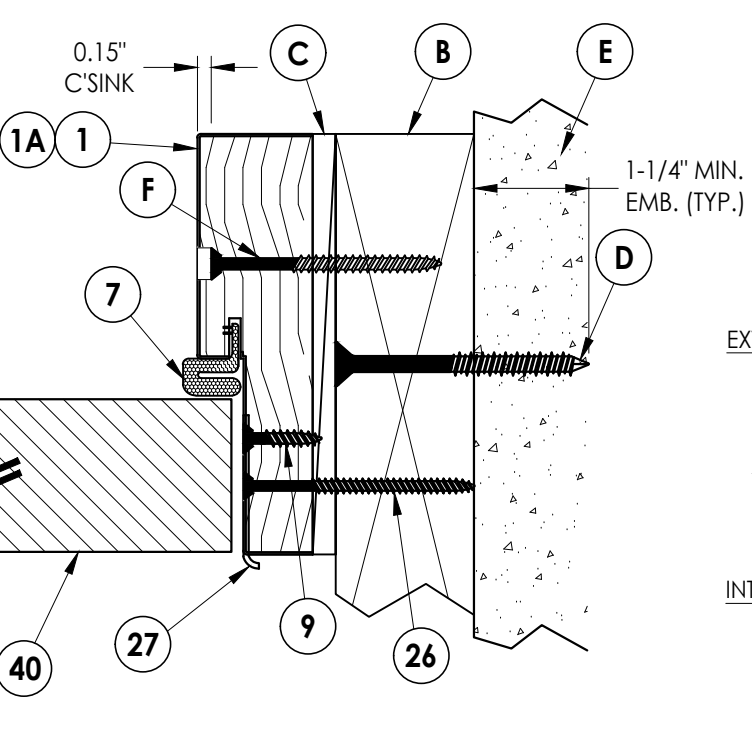
FL-15384.18

SHEET 5 OF 10

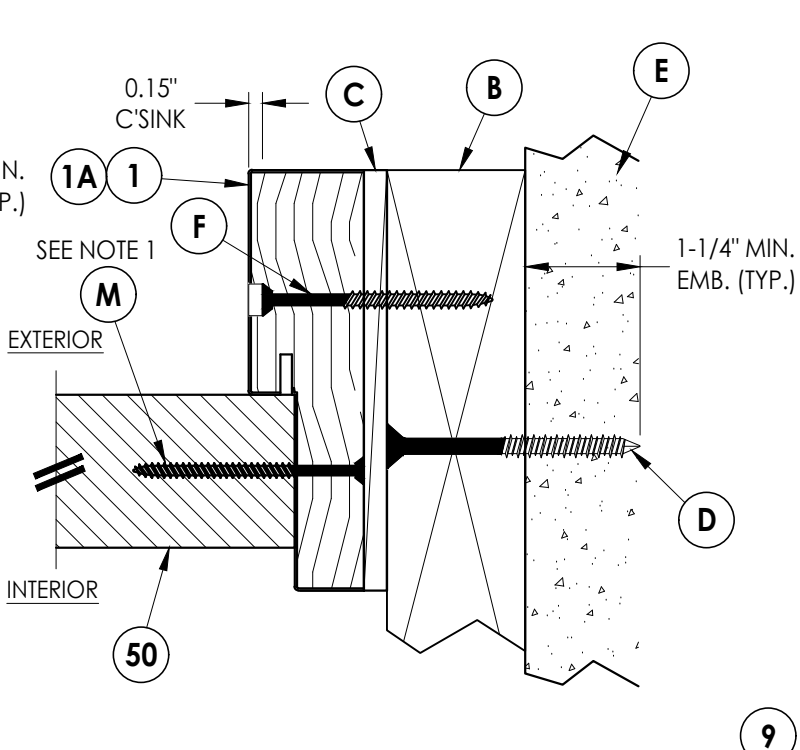
Z:\2023 FBC Drawings\Endura Products\FL-15384 R11\FL-15384.18.dwg



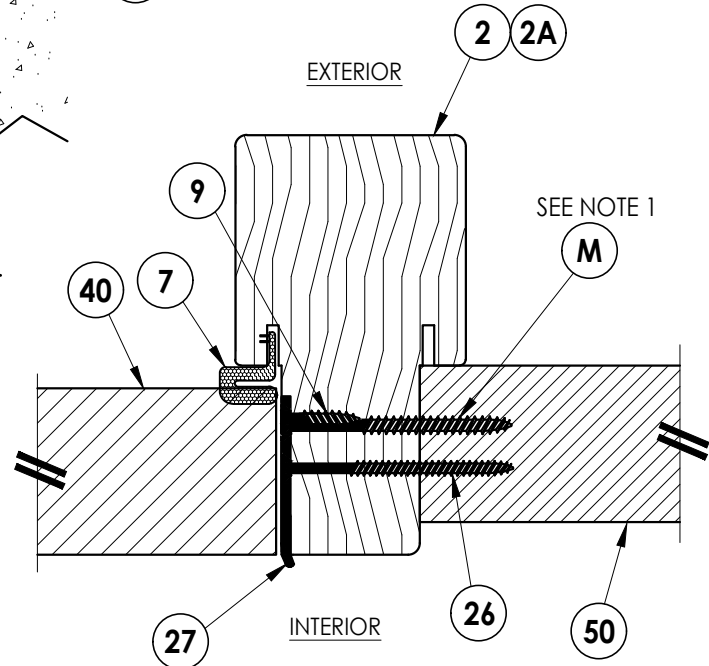
1 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



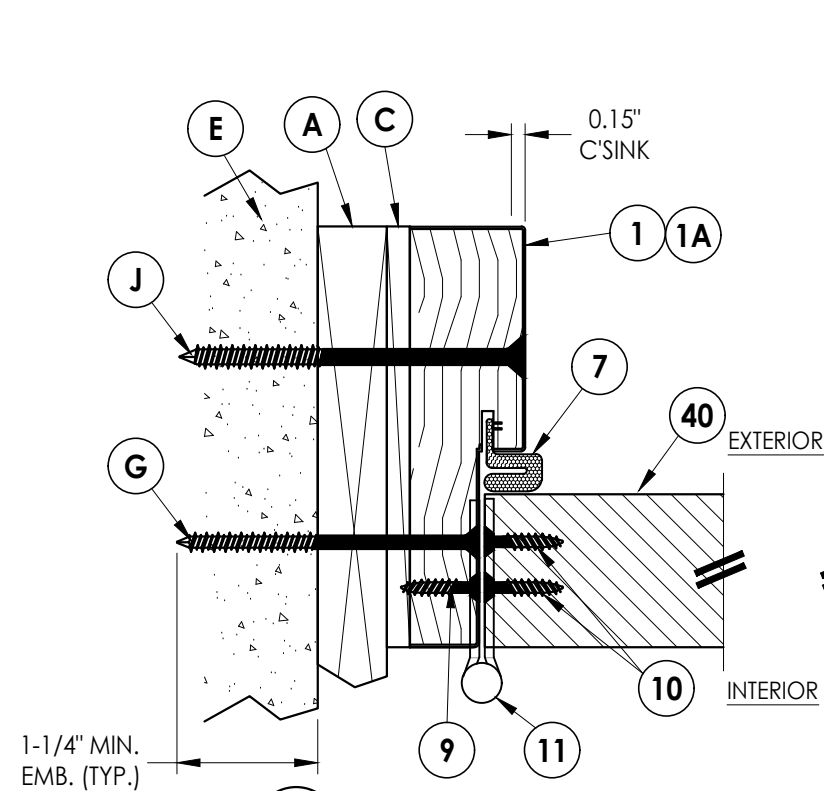
2 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



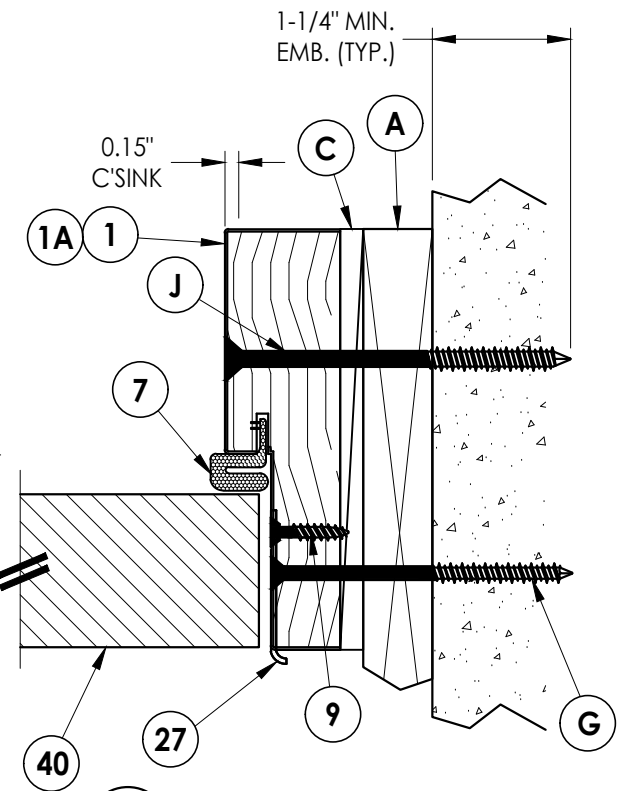
5 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)
2X Buck Construction



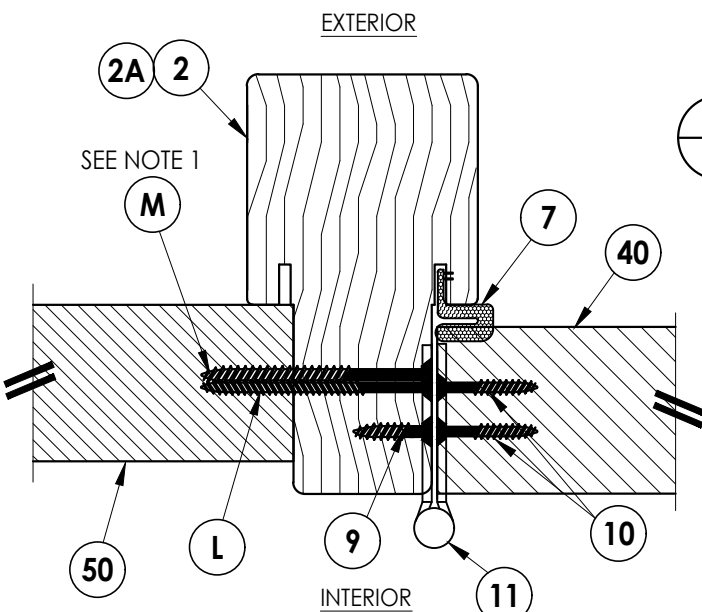
7 **HORIZONTAL CROSS SECTION**
6 Inswing shown (Outswing similar)



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

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
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.

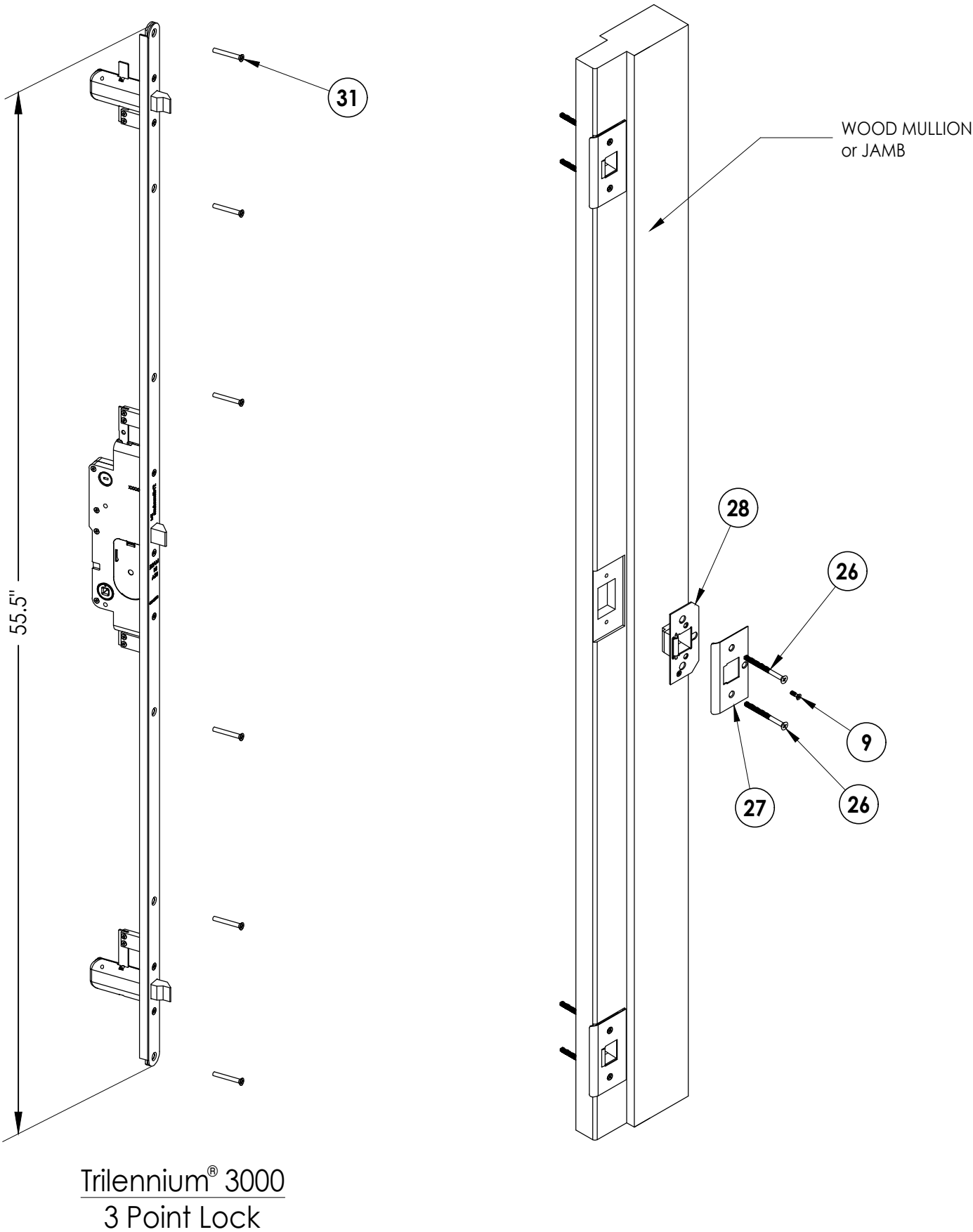
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15384.18

SHEET 6 OF 10



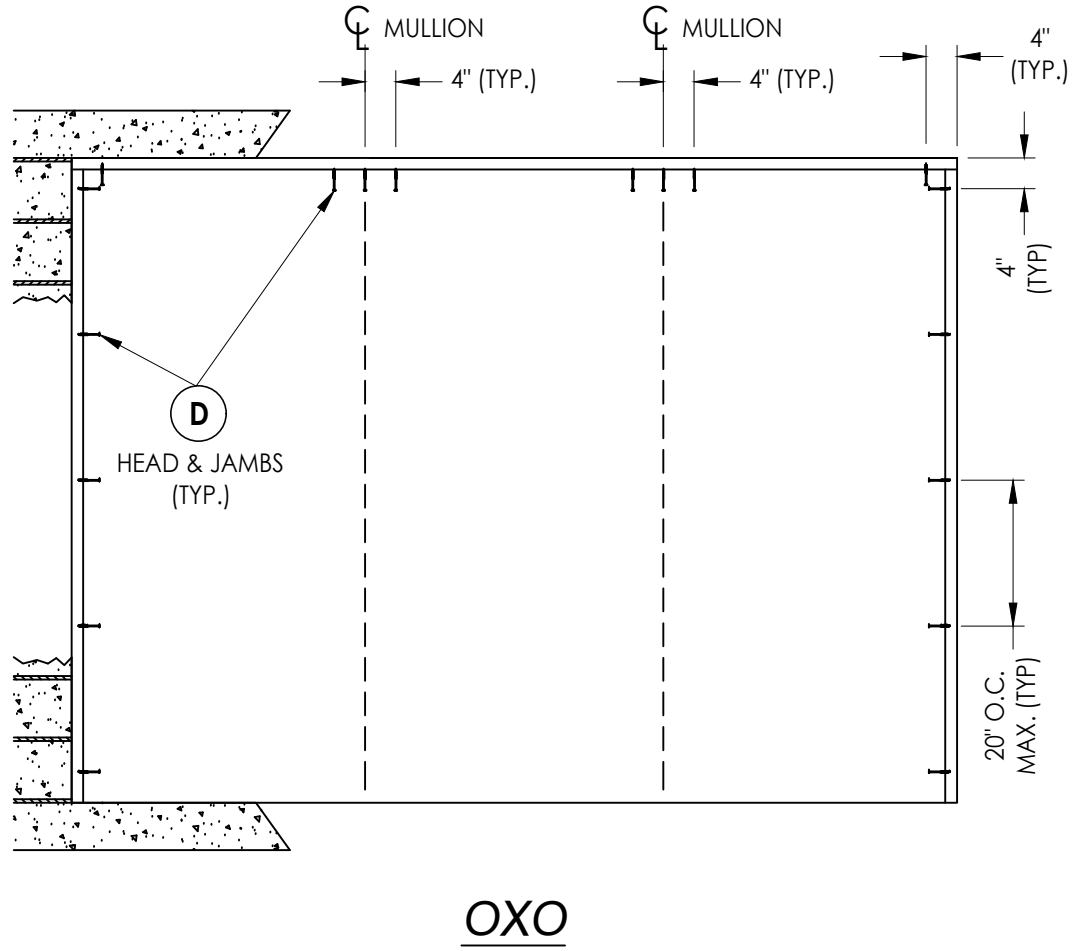
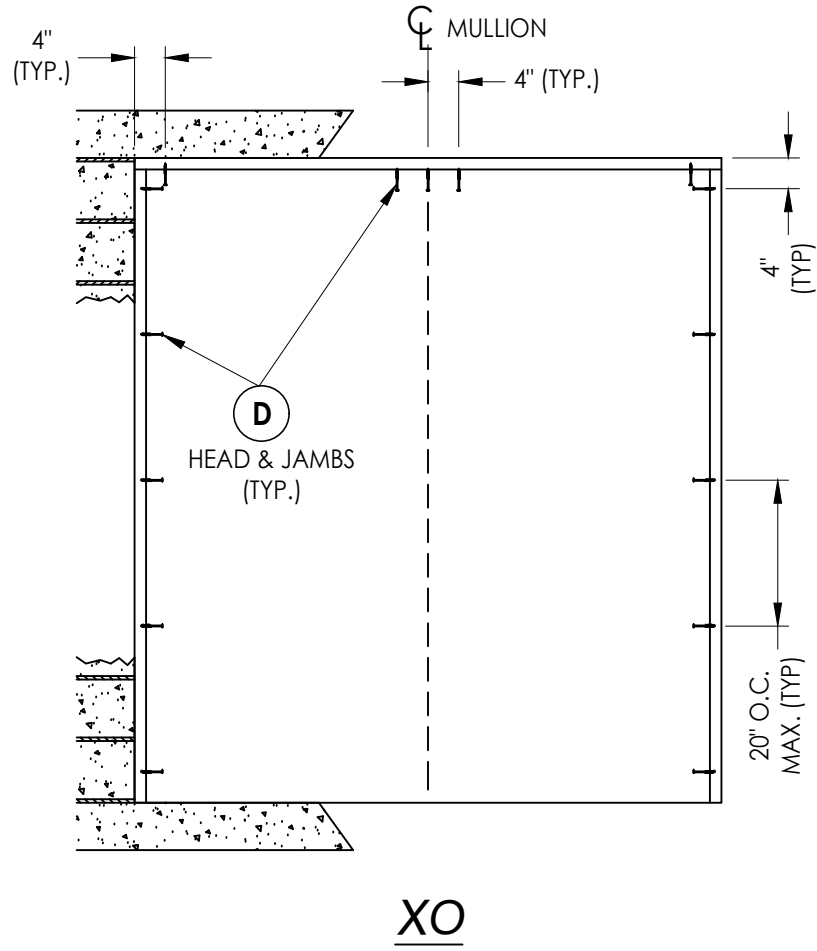
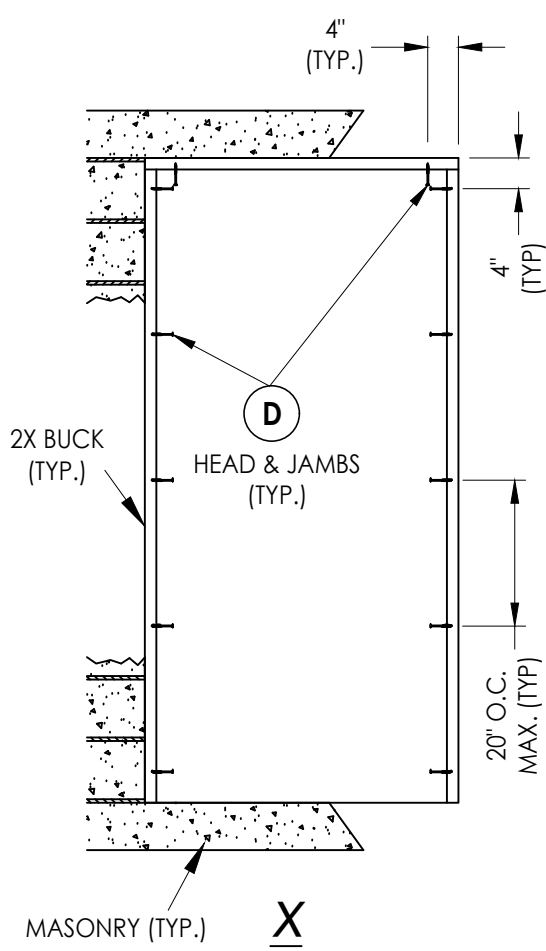
DATE: 1/14/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15384.18
SHEET 7 OF 10

NO.	DATE	REVISIONS
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/03/20	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
NO.	DATE	BY

PRODUCT: ENDURA
PART OR ASSEMBLY: LOCK SET DETAILS

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

Z:\2023 FBC Drawings\Endura Products\FL-15384 R11\FL-15384.18.dwg



2X BUCK ANCHORING

NO.	DATE	REVISIONS			
		NO.	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		

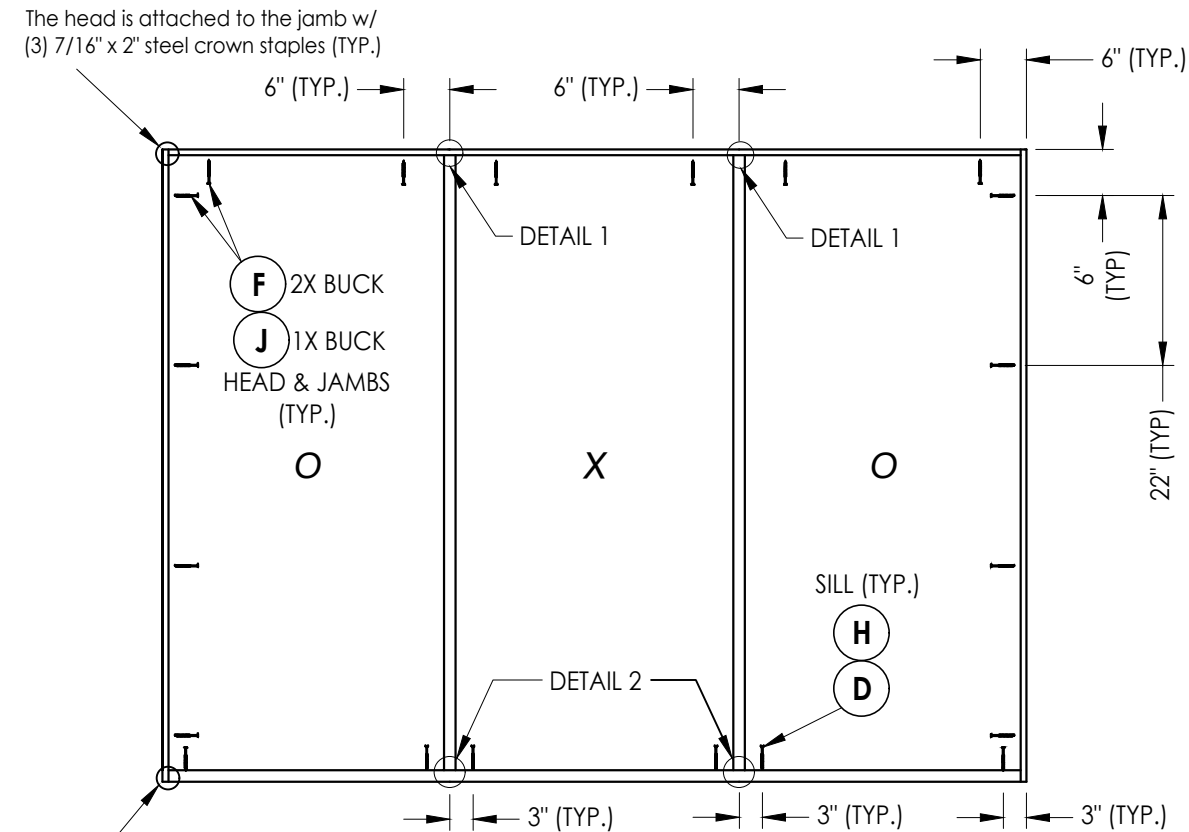
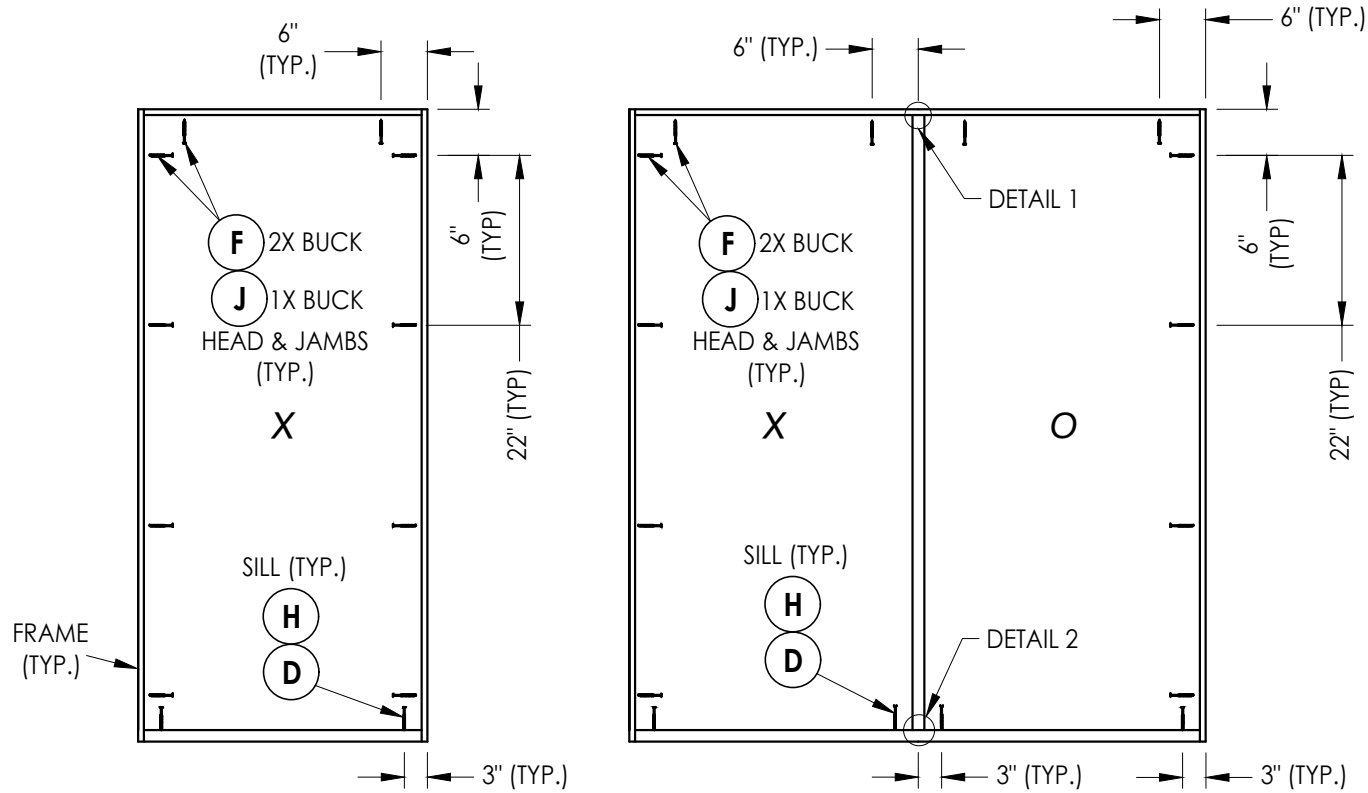
DATE: 1/14/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15384.18
SHEET 8 OF 10

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

Z:\2023 FBC Drawings\Endura Products\FL-15384 R11\FL-15384.18.dwg

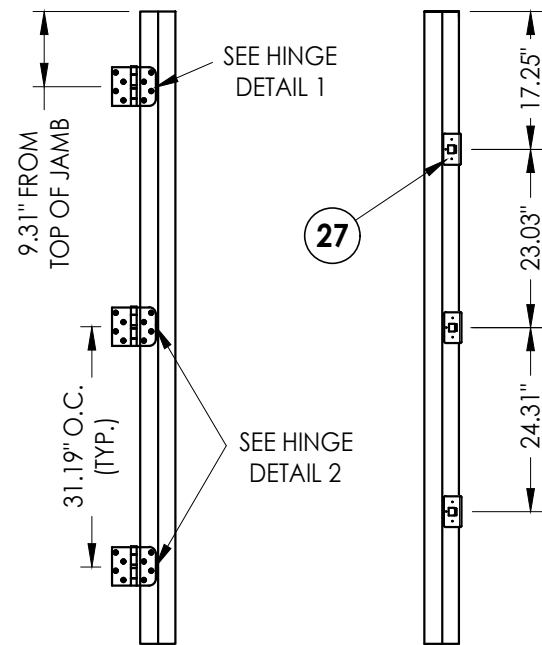


The threshold is attached to the jamb w/ (3) 7/16" x 2" steel crown staples (TYP.) & (1) #8 x 1-5/8" wood screw (TYP.)

FRAME ANCHORING

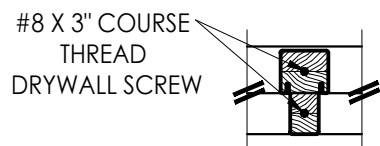
CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.



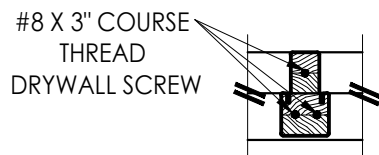
HINGE JAMB

STRIKE JAMB



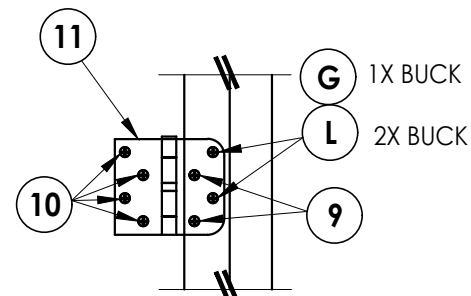
DETAIL 1

Integral mullion attachment

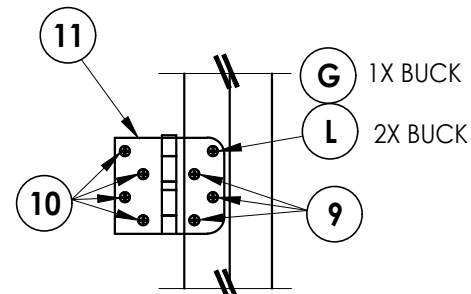


DETAIL 2

Integral mullion attachment



HINGE DETAIL 1



HINGE DETAIL 2

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- 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"
DeWALT ULTRA-CON®	1/4"	1-1/4"	2"	4"
	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

- 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:
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:
FRAME ANCHORING
& HARDWARE DETAILS

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

DATE: 1/14/16

SCALE: N.T.S.

DWG. BY: JK

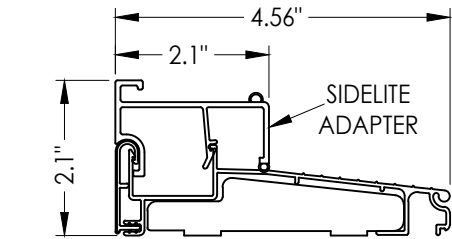
CHK. BY: LFS

DRAWING NO.: FL-15384.18

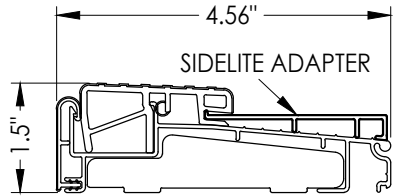
SHEET 9 OF 10

Z:\2023 FBC Drawings\Endura Products\FL-15384 R11\FL-15384.18.dwg

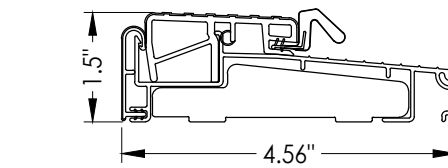
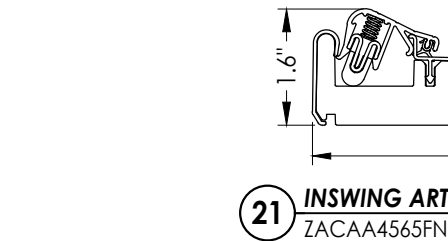
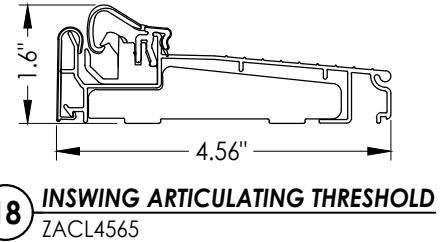
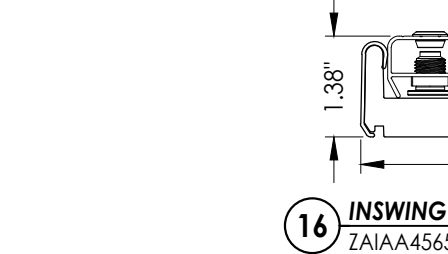
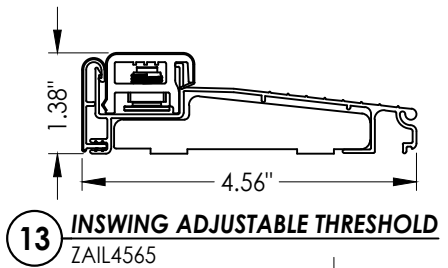
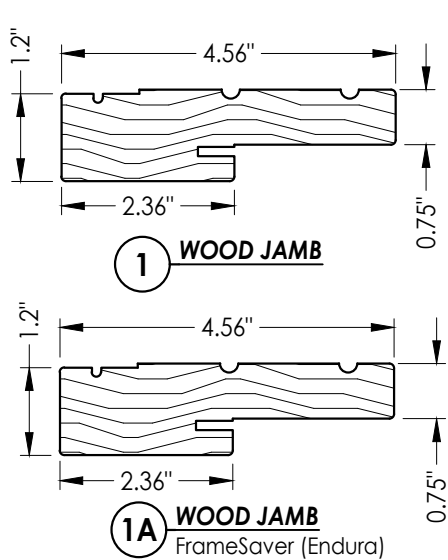
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2"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



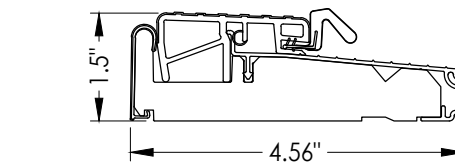
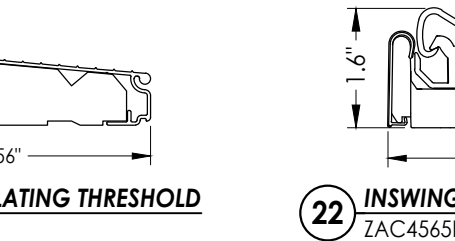
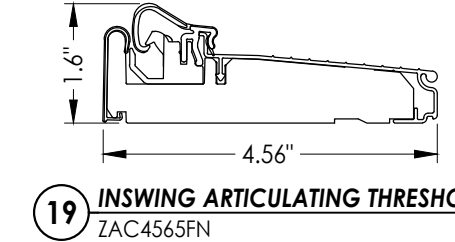
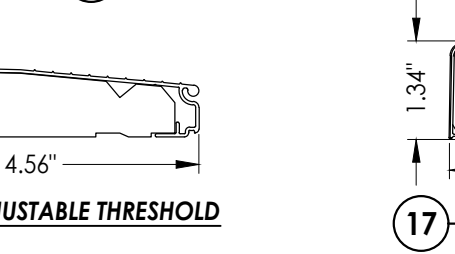
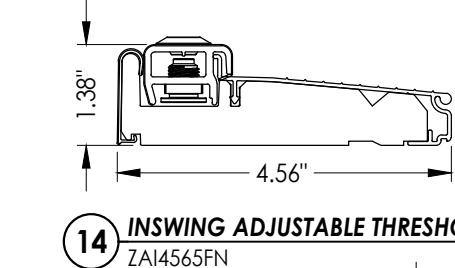
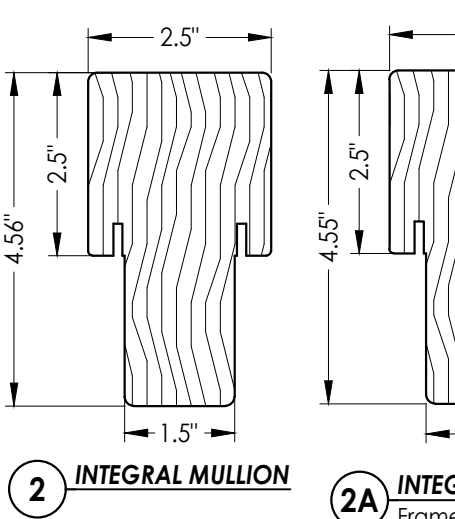
60 INSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



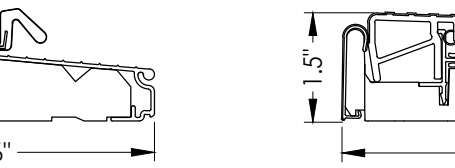
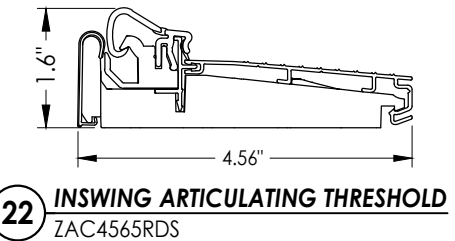
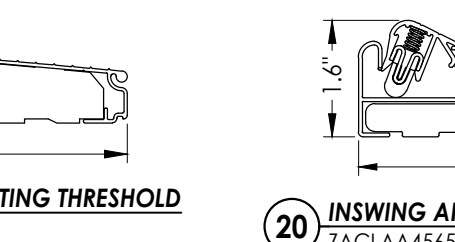
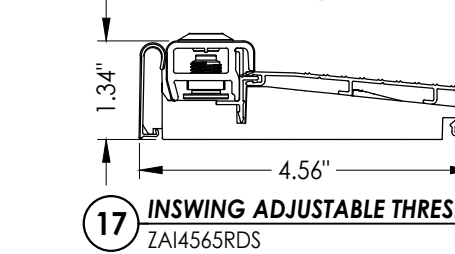
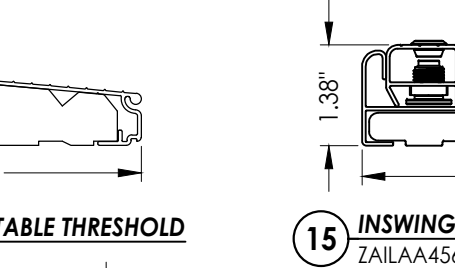
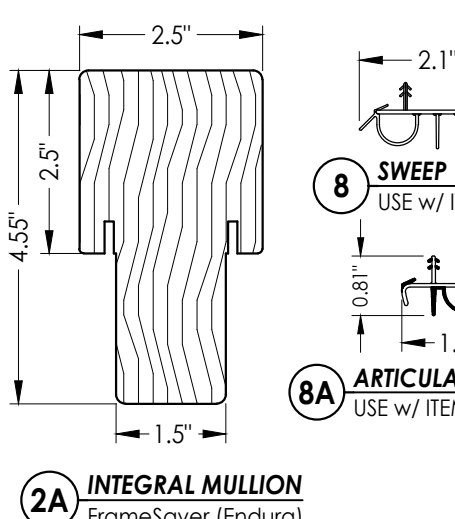
61 OUTSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



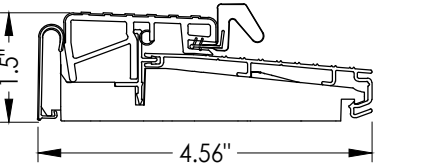
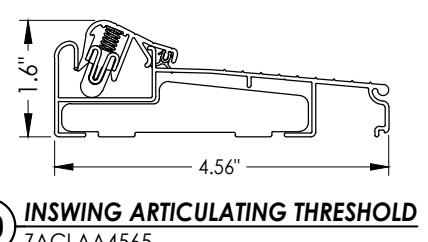
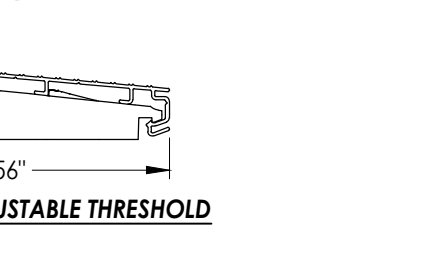
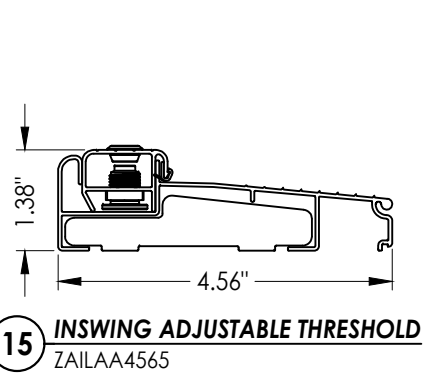
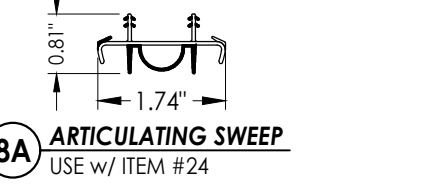
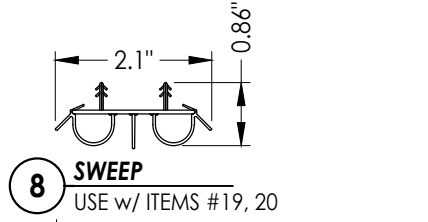
23 OUTSWING THRESHOLD
ZOB4565



24 OUTSWING THRESHOLD
ZOB4565FN



25 OUTSWING THRESHOLD
ZOB4565RDS



25 OUTSWING THRESHOLD
ZOB4565RDS

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: BILL OF MATERIALS & COMPONENTS	
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
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			