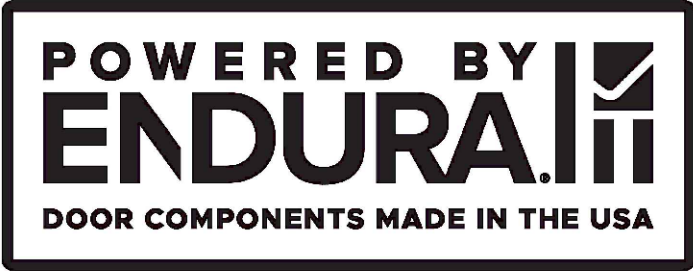
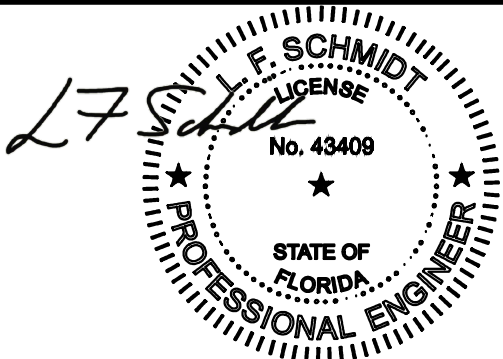


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"FusionFrame"
Continuous Head & Sill Frame System
INSWING / OUTSWING
"IMPACT"



Digitally signed by Lyndon F Schmidt
Date: 2026.07.17 11:42:09 -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

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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 FBC and does not require an impact resistant covering.
4. This "IMPACT" door jambs, weatherstripping and thresholds, as components, are to be used in combination as a substitute for similar components in an impact approved continuous head & sill (complies with Section 1626 of the FBC) door system possessing a current Florida Statewide Product Approval (Including the "HVHZ").
5. The design pressure of the assembly shall be the lesser of the design pressure for the component assembly shown in this approval or the design pressure of the system assembly used in conjunction with this approval.
6. The maximum frame size of the door assembly shall be lesser of the maximum frame size stated in this approval or the maximum frame size of the system assembly approval used in conjunction with this approval.
7. Refer to the separate Florida Product Approval for the swing door used in conjunction with this component approval to determine the ability of the system to meet the water infiltration requirements for the "HVHZ".
8. Air and water infiltration qualifications to be reviewed by the Building Official.
9. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
10. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

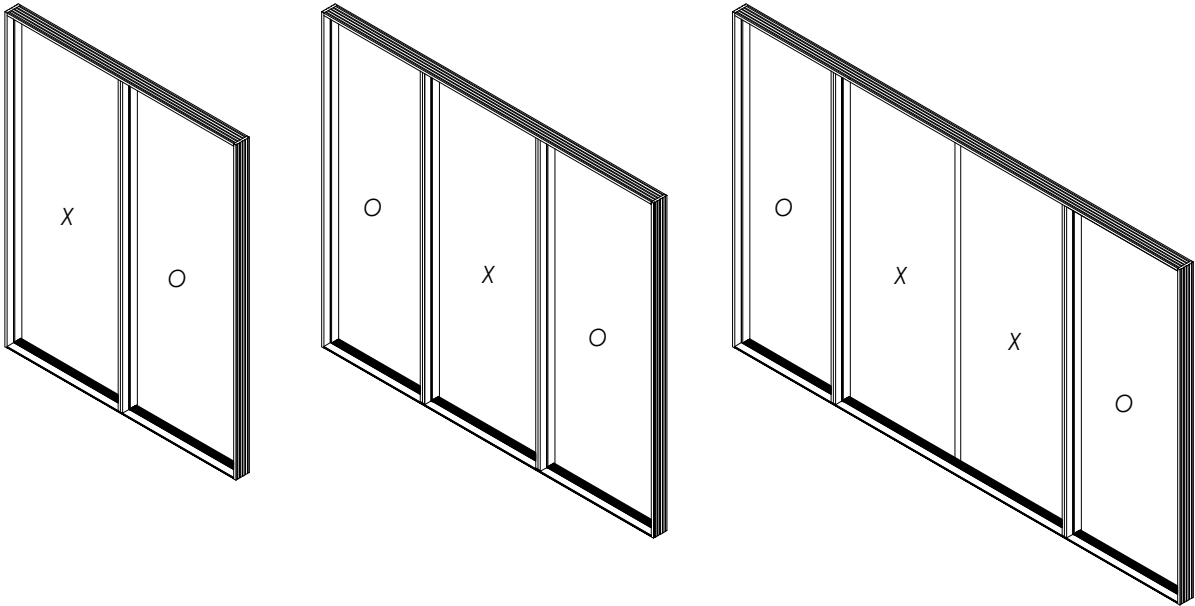


TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes	7	Vertical Cross Sections (Thresholds)
2	Elevations	8	2X Buck Anchoring (O/X, X/O, OXO)
3	Horizontal & Vertical Cross Sections (2X Buck)	9	2X Buck Anchoring (OXXO)
4	Horizontal & Vertical Cross Sections (1X Buck)	10	Frame Anchoring (O/X, X/O, OXO) & Hardware Details
5	Horizontal & Vertical Cross Sections (Direct to Masonry)	11	Frame Anchoring (OXXO) & Hardware Details
6	Horizontal Cross Sections	12	Bill of Materials & Components

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX/XO	74.5" x 98.0"	+50.0	-50.0	+50.0	-50.0
OXO	112.75" x 98.0"	+50.0	-50.0	+50.0	-50.0
OXXO	149.5" x 98.0"	+50.0	-50.0	+50.0	-50.0

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

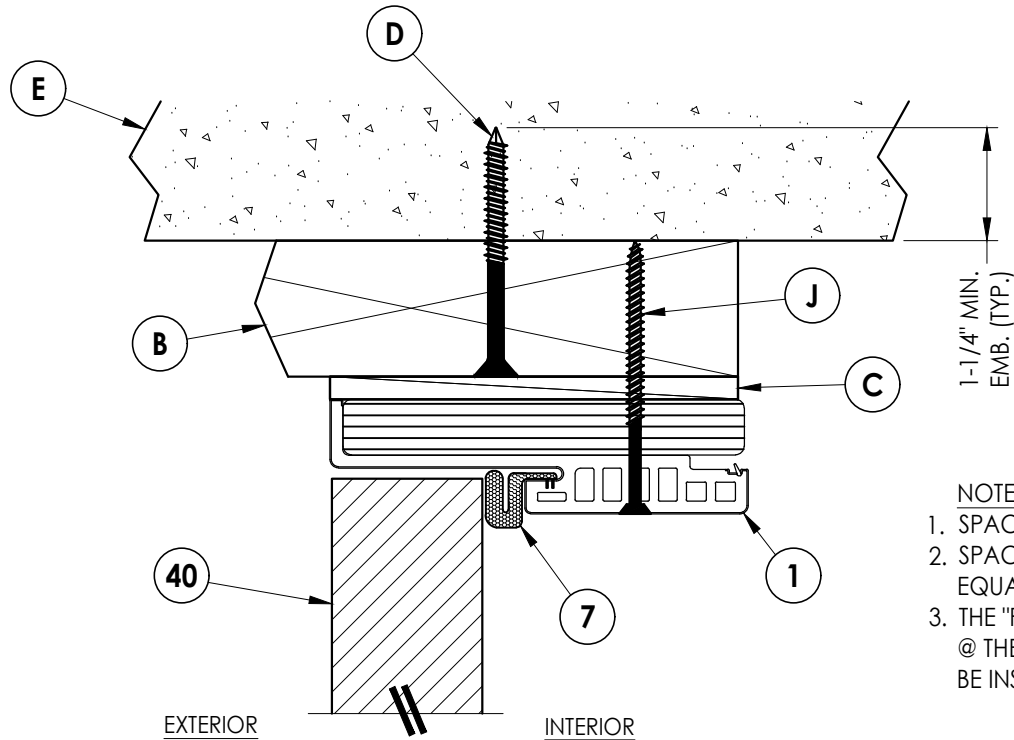
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ENDURA COMPONENTS
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS			
NO.	DATE	BY	
3	7/02/26	LFS	UPDATE TO 9TH ED. (2026) FBC
2	7/06/23	LFS	UPDATE TO 8TH ED. (2023) FBC
1	8/03/20	LFS	UPDATE TO 7TH ED. (2020) FBC

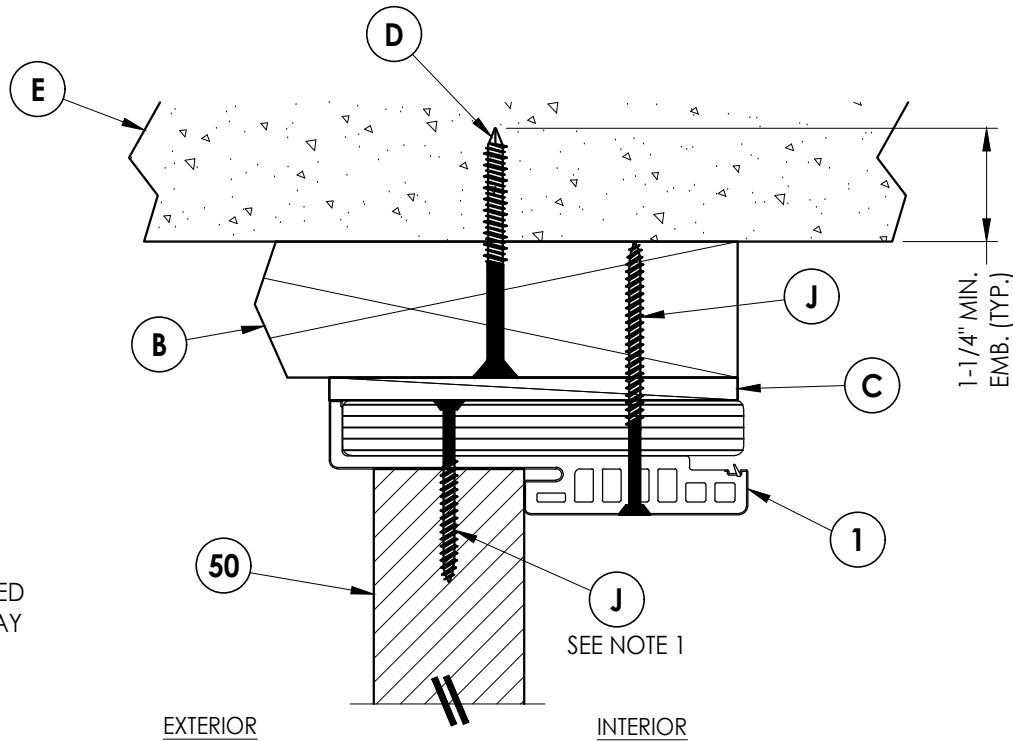
DATE: 8/12/19
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25610.15
SHEET 1 OF 12

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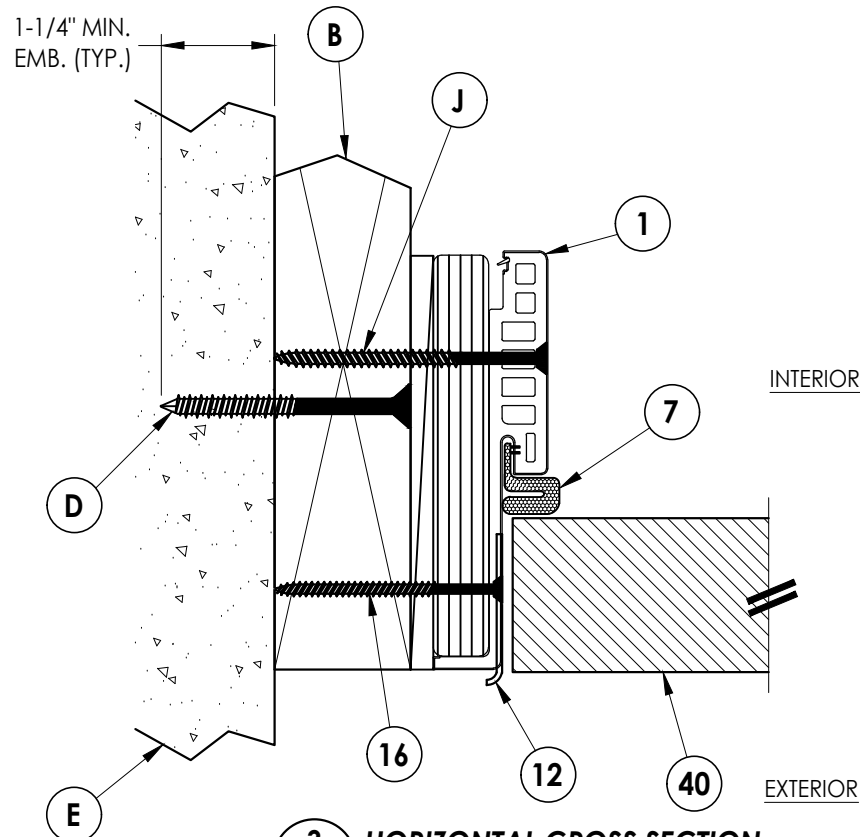


1
3 **VERTICAL CROSS SECTION**
2X Buck Construction
Outswing Shown (Inswing Similar)

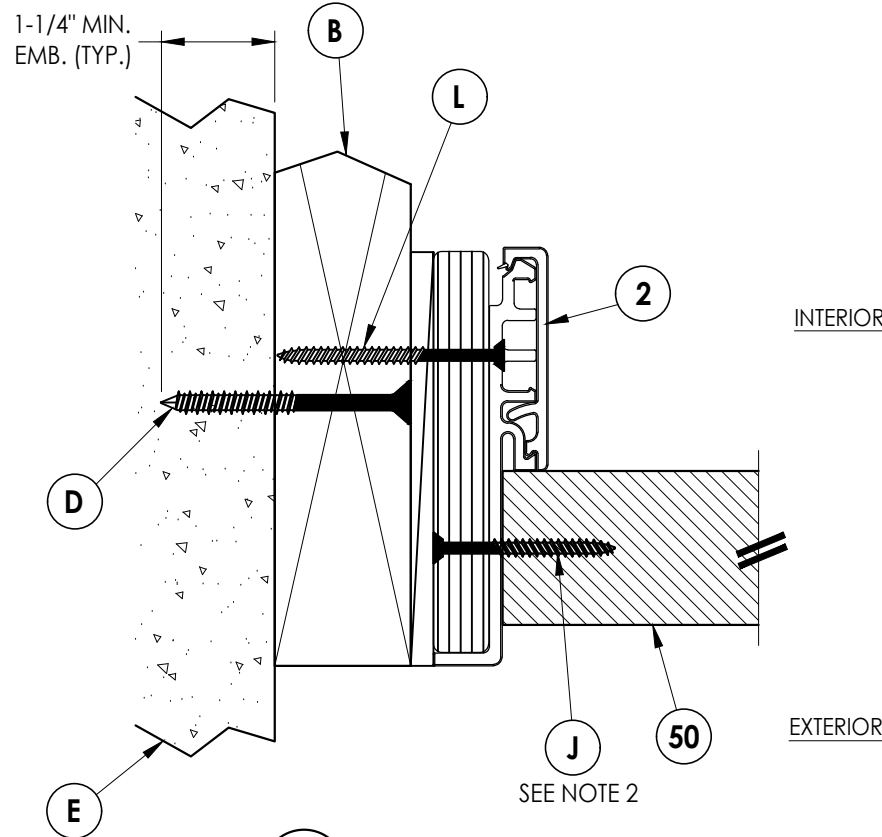
- NOTES:
1. SPACING FOR ITEM J: 6" FROM ENDS (2 TOTAL).
 2. SPACING FOR ITEM J: 6" FROM ENDS & 4 MORE EQUALLY SPACED ALONG SIDELITE (6 TOTAL).
 3. THE "FusionFrame" 1-PIECE JAMB MAY BE INSTALLED @ THE HEAD OR SIDE JAMB. THE 2-PIECE JAMB MAY BE INSTALLED @ THE SIDE JAMBS ONLY.



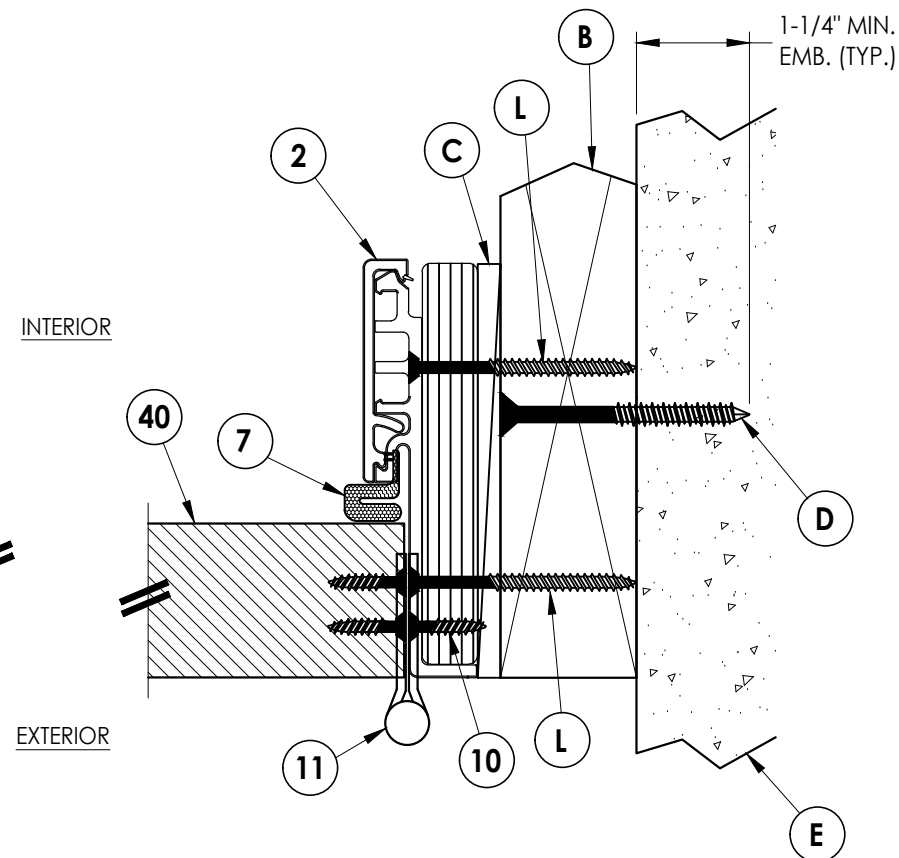
2
3 **VERTICAL CROSS SECTION**
2X Buck Construction
Outswing Shown (Inswing Similar)



3
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Outswing Shown (Inswing Similar)



4
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Outswing Shown (Inswing Similar)



5
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Outswing Shown (Inswing Similar)

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
COMPONENTS

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

REVISIONS		NO.	DATE	BY
3	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS

DATE: 8/12/19

SCALE: N.T.S.

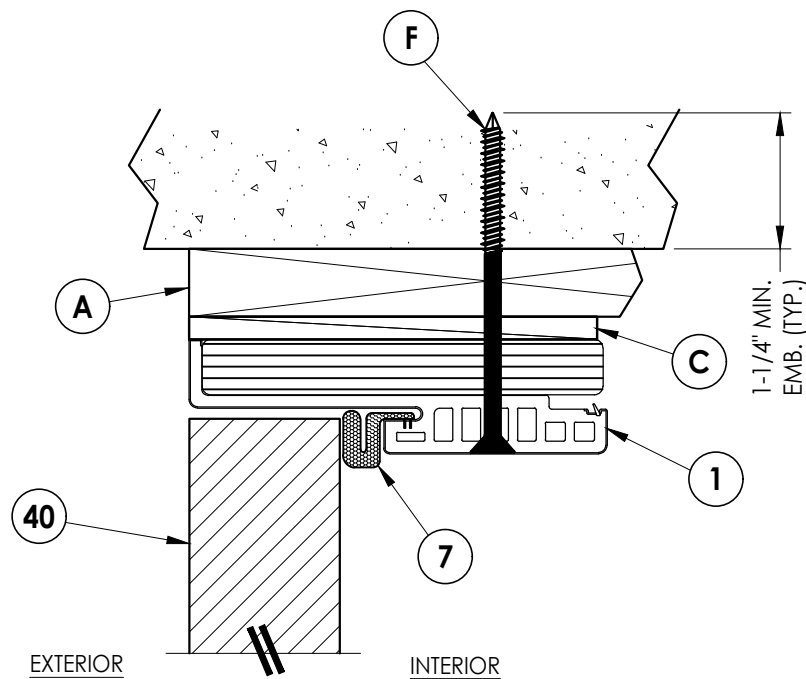
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CHK. BY: LFS

DRAWING NO.: FL-25610.15

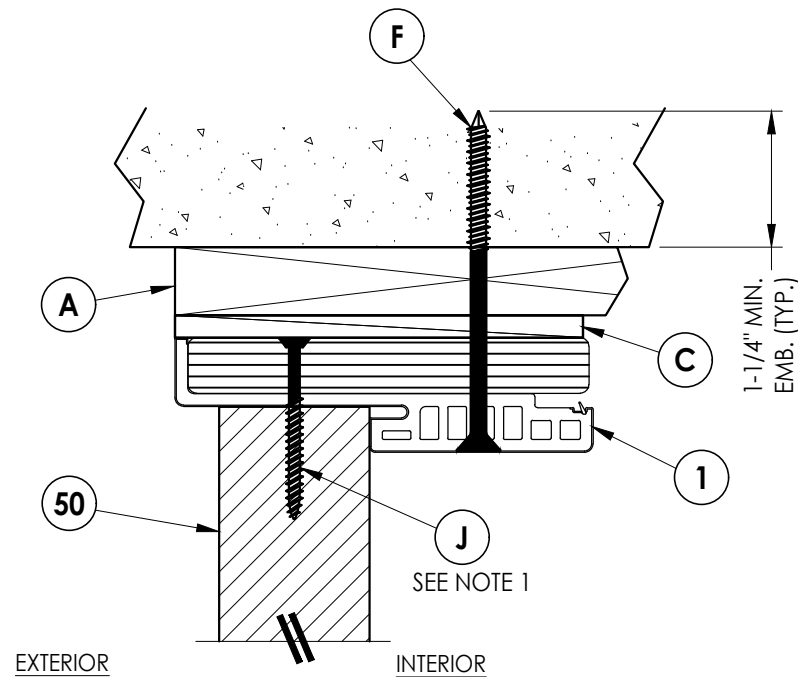
SHEET 3 OF 12

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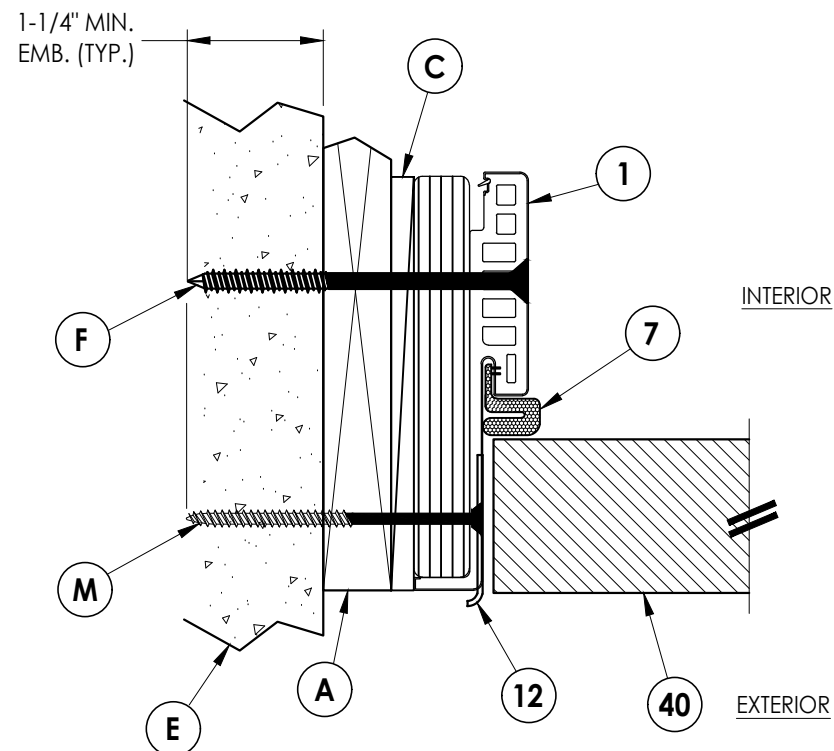


1
4 **VERTICAL CROSS SECTION**
1X Buck Construction
Outswing Shown (Inswing Similar)

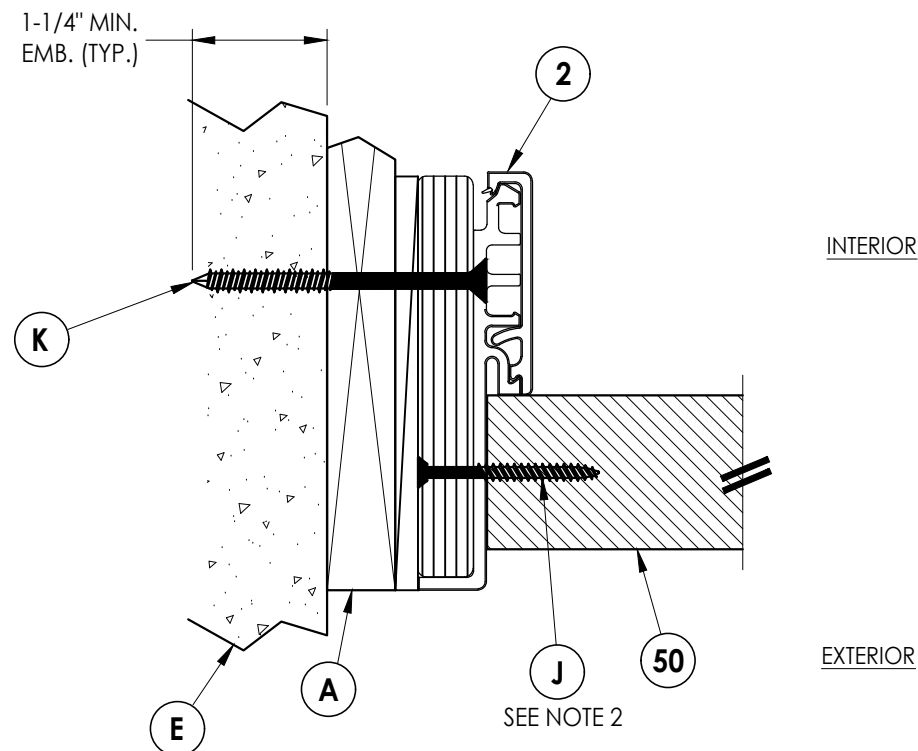
- NOTES:
1. SPACING FOR ITEM J: 6" FROM ENDS (2 TOTAL).
 2. SPACING FOR ITEM J: 6" FROM ENDS & 4 MORE EQUALLY SPACED ALONG SIDELITE (6 TOTAL).
 3. THE "FusionFrame" 1-PIECE JAMB MAY BE INSTALLED @ THE HEAD OR SIDE JAMB. THE 2-PIECE JAMB MAY BE INSTALLED @ THE SIDE JAMBS ONLY.



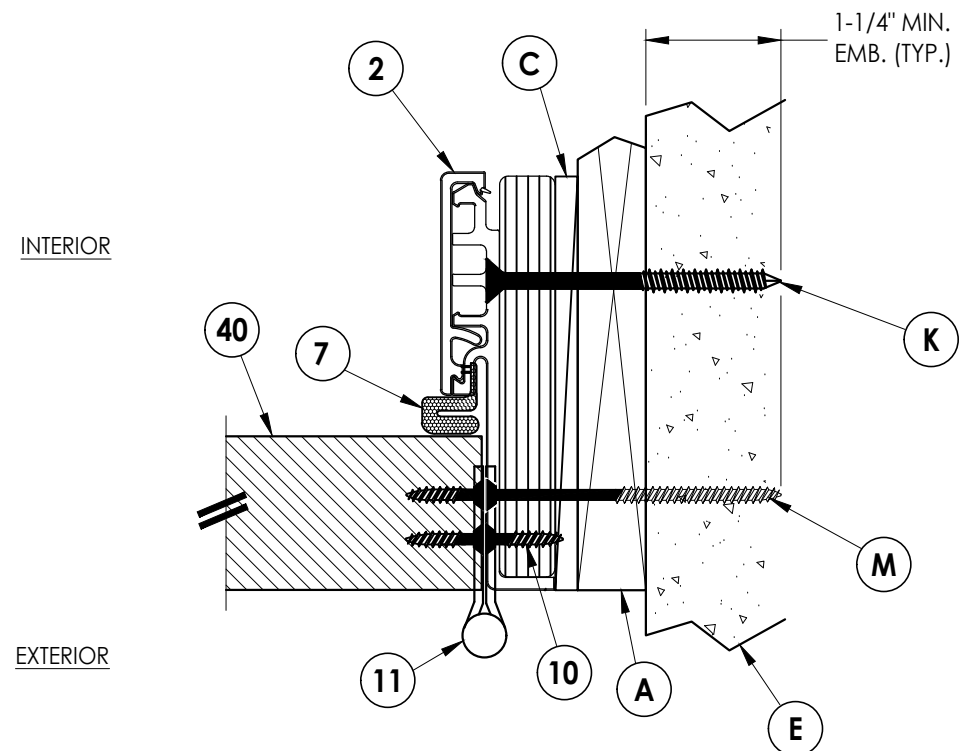
2
4 **VERTICAL CROSS SECTION**
1X Buck Construction
Outswing Shown (Inswing Similar)



3
4 **HORIZONTAL CROSS SECTION**
1X Buck Construction
Outswing Shown (Inswing Similar)



4
4 **HORIZONTAL CROSS SECTION**
1X Buck Construction
Outswing Shown (Inswing Similar)



5
4 **HORIZONTAL CROSS SECTION**
1X Buck Construction
Outswing Shown (Inswing Similar)

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P.E. No. 43409

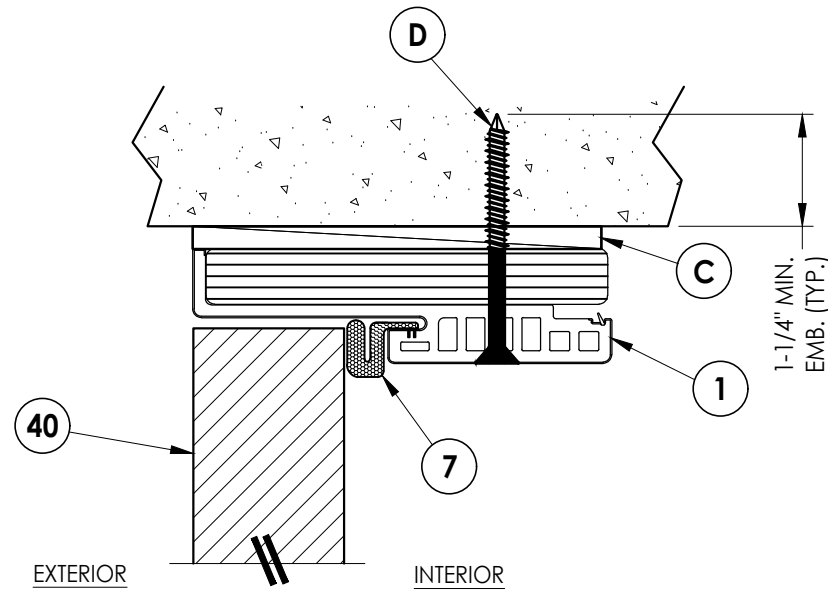
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ENDURA COMPONENTS
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

NO.	DATE	REVISIONS
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS

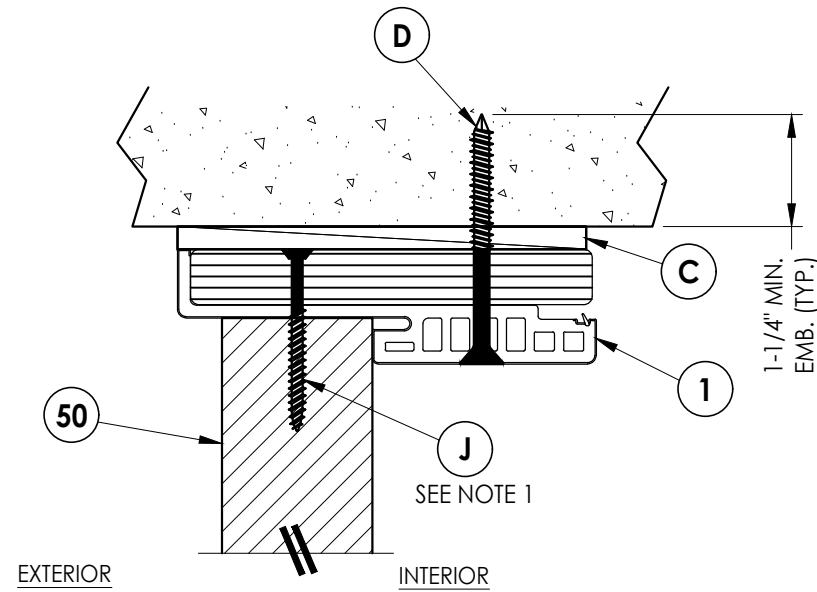
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SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25610.15
SHEET 4 OF 12

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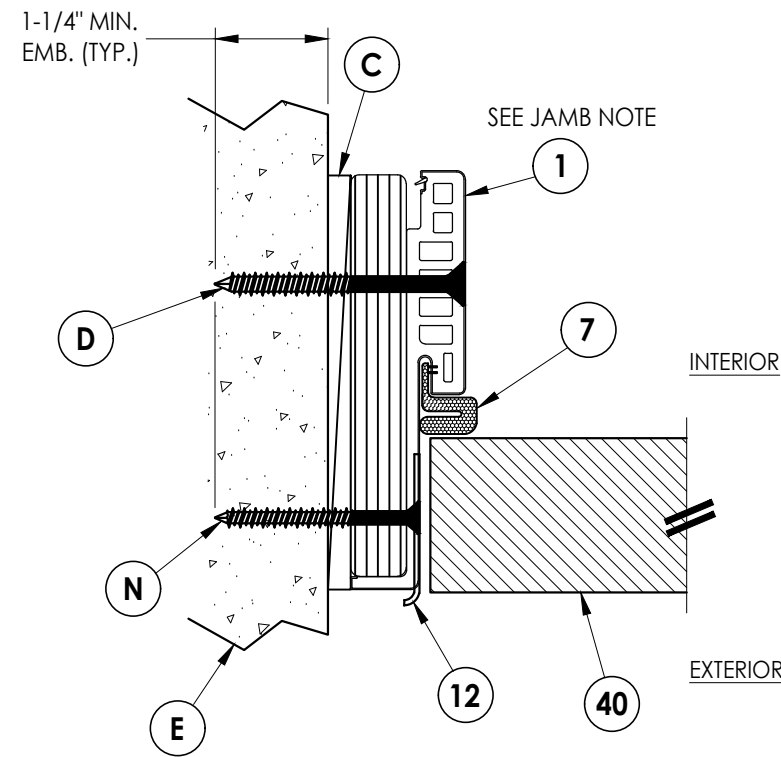


1
5 **VERTICAL CROSS SECTION**
Direct to Masonry
Outswing Shown (Inswing Similar)

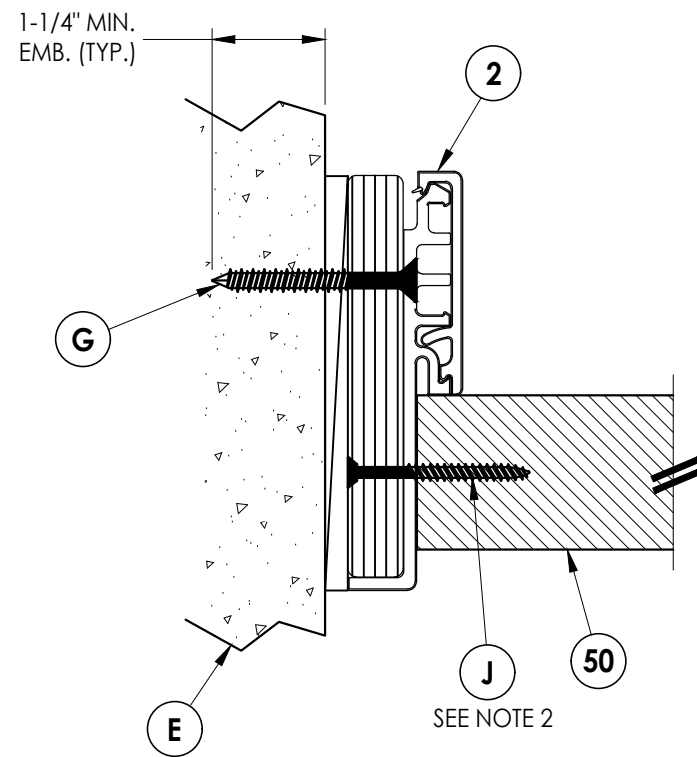
- NOTES:
1. SPACING FOR ITEM J: 6" FROM ENDS (2 TOTAL).
 2. SPACING FOR ITEM J: 6" FROM ENDS & 4 MORE EQUALLY SPACED ALONG SIDELITE (6 TOTAL).
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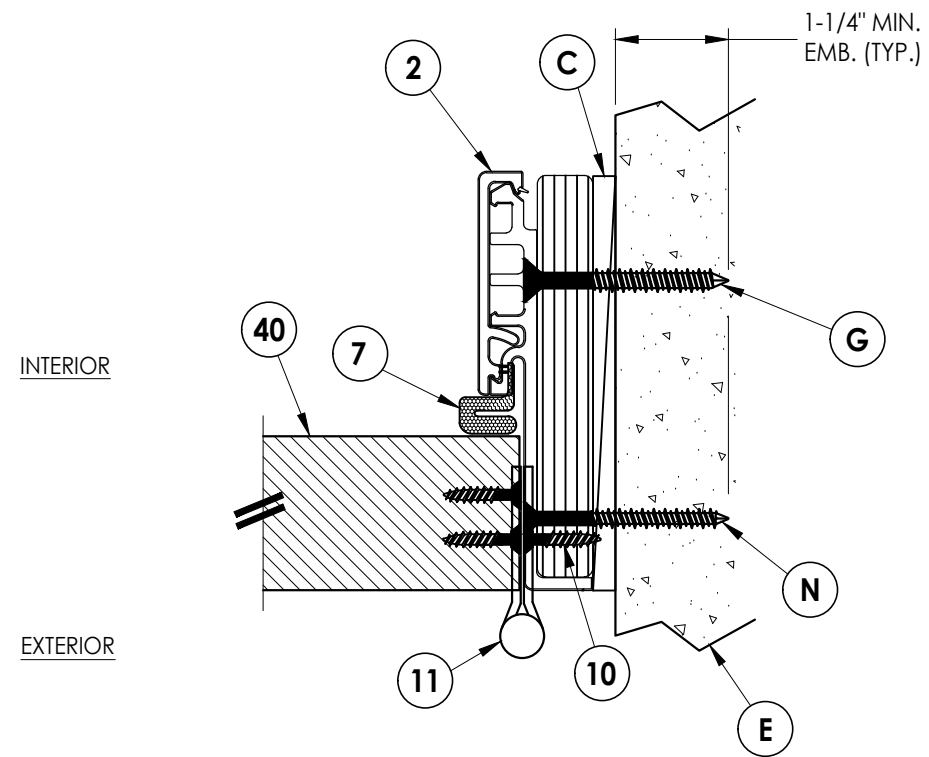
2
5 **VERTICAL CROSS SECTION**
Direct to Masonry
Outswing Shown (Inswing Similar)



3
5 **HORIZONTAL CROSS SECTION**
Direct to Masonry
Outswing Shown (Inswing Similar)



4
5 **HORIZONTAL CROSS SECTION**
Direct to Masonry
Outswing Shown (Inswing Similar)



5
5 **HORIZONTAL CROSS SECTION**
Direct to Masonry
Outswing Shown (Inswing Similar)

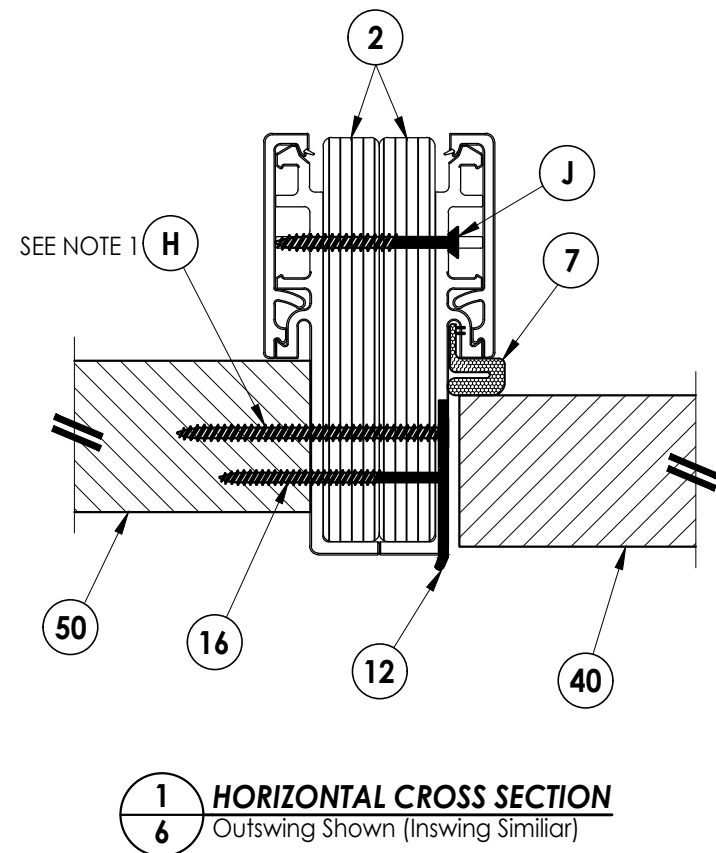
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT: ENDURA COMPONENTS
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)

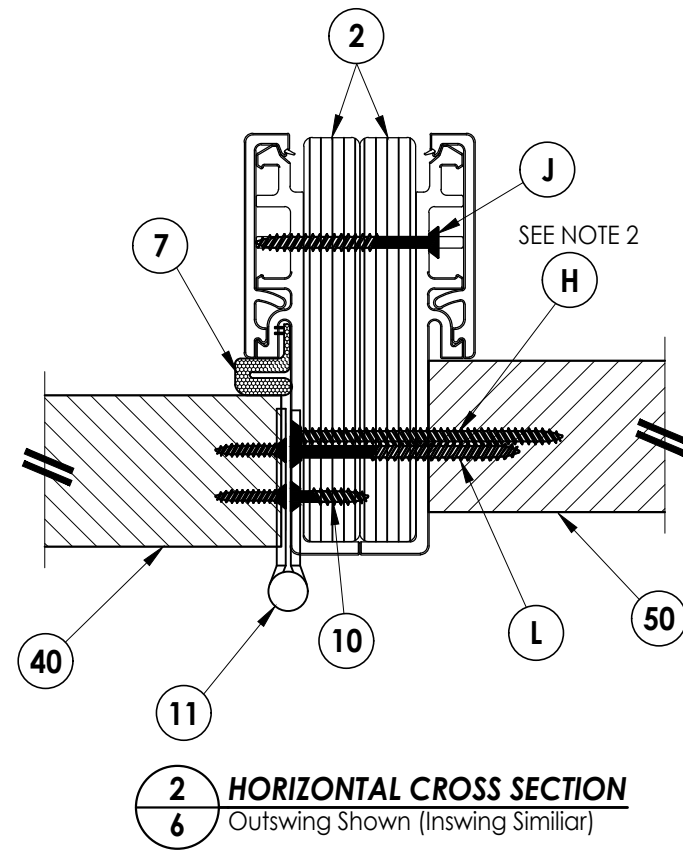
NO.	DATE	REVISIONS
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1	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 8/12/19
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25610.15
SHEET 5 of 12



INTERIOR

EXTERIOR



INTERIOR

EXTERIOR

- NOTES:
1. ITEM H LOCATED AS FOLLOWS (5 TOTAL):
FROM TOP OF MULLION DOWN @ 6", 20.5" & 35".
FROM BOTTOM OF MULLION UP @ 6" & 20.5".
 2. SPACING FOR ITEM H: CENTERED BETWEEN EACH HINGE (3 TOTAL).

[illegible]

Documents Prepared By:
Lyndon F. Schmidt
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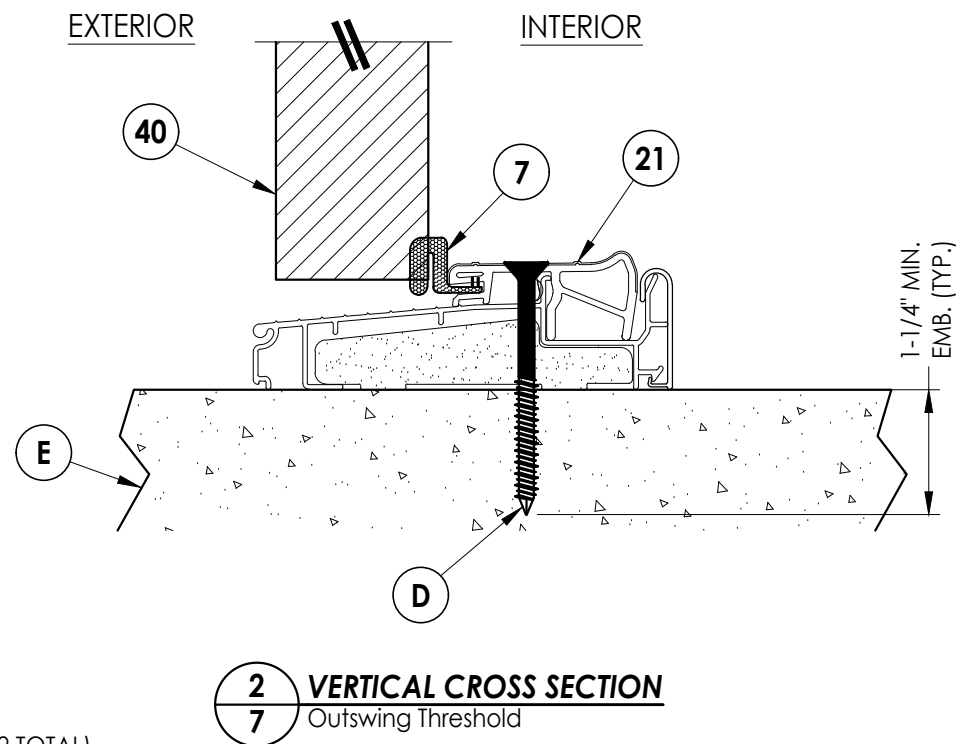
Diagram illustrating the Vertical Cross Section of an Inswing Threshold assembly, showing the interior and exterior views.

Key components and labels:

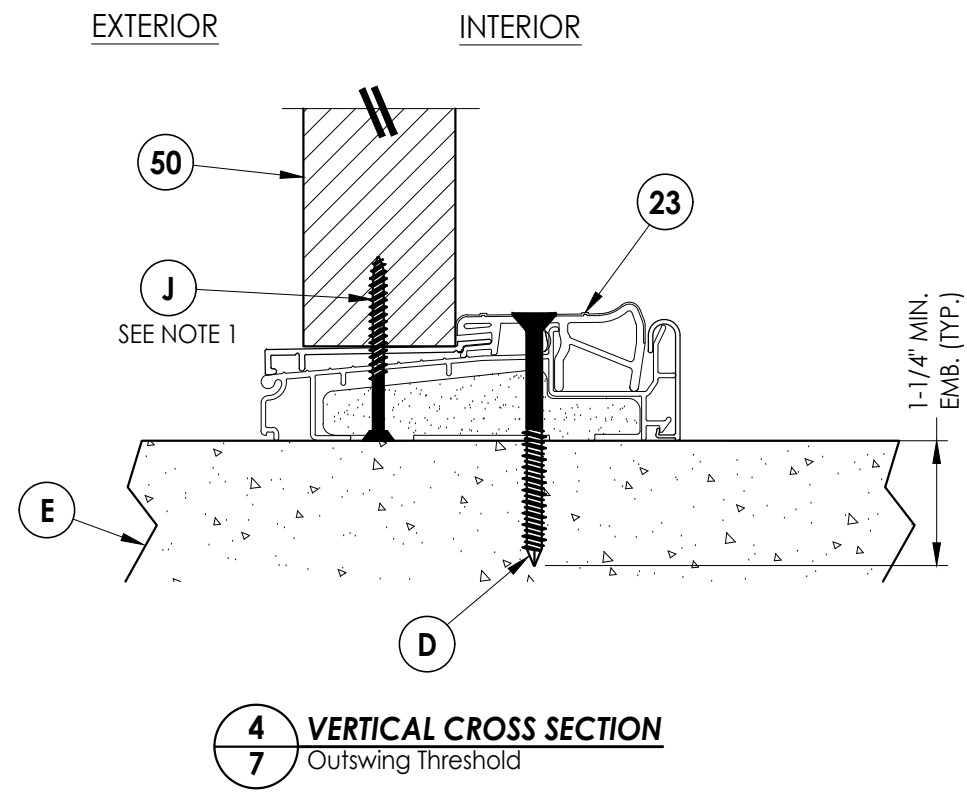
- INTERIOR** (Left side)
- EXTERIOR** (Right side)
- 50**: Vertical door frame or jamb.
- H**: Vertical bolt or screw passing through the door frame.
- SEE NOTE 1**: Reference to a note.
- 22**: Horizontal threshold or sill.
- E**: Concrete foundation or substrate.
- G**: Horizontal bolt or screw passing through the threshold.
- 1-1/4" MIN. EMB. (TYP.)**: Minimum embedding depth of the threshold into the concrete.

3 / **7** **VERTICAL CROSS SECTION**
Inswing Threshold

3 7 VERTICAL CROSS SECTION Inswing Threshold



2 7 VERTICAL CROSS SECTION Outswing Threshold

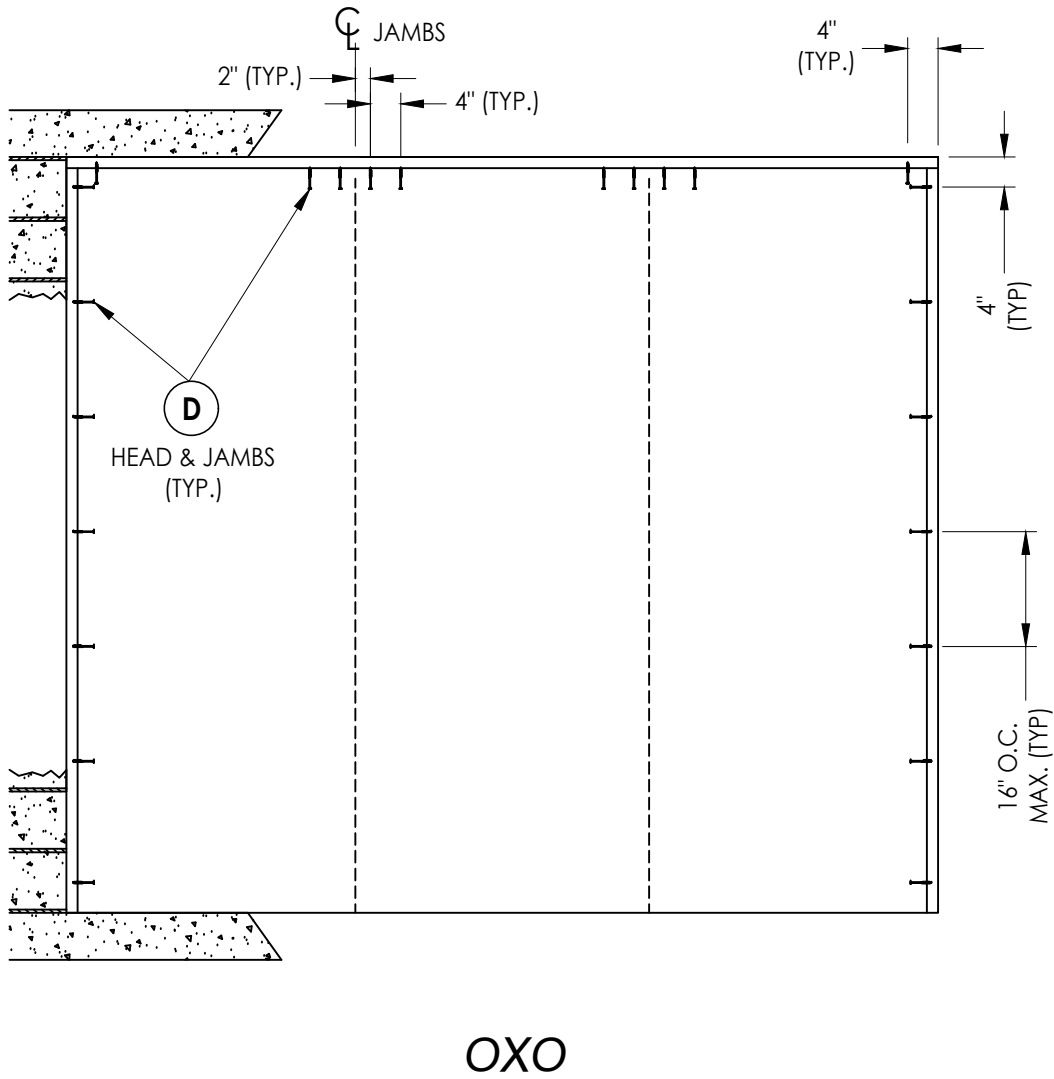
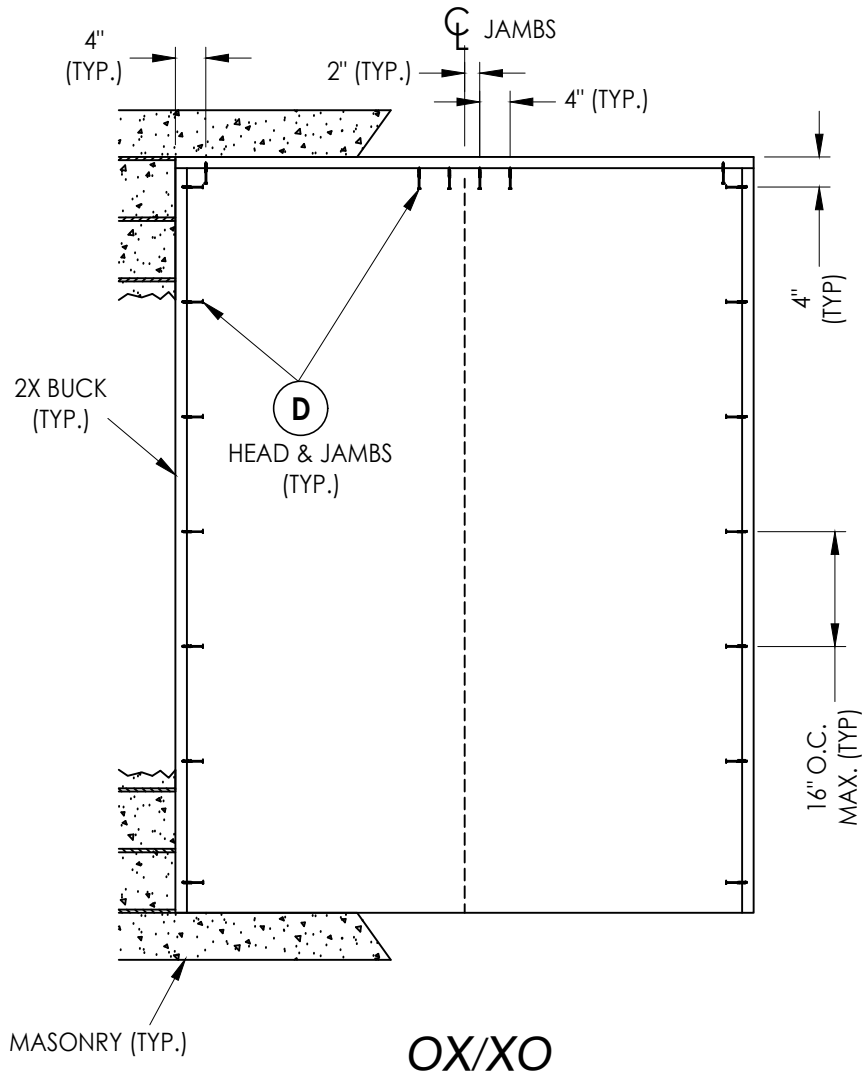


4 **VERTICAL CROSS SECTION**
7 Outswing Threshold

1. SPACING FOR ITEMS J & H: 6" FROM ENDS (2 TOTAL).

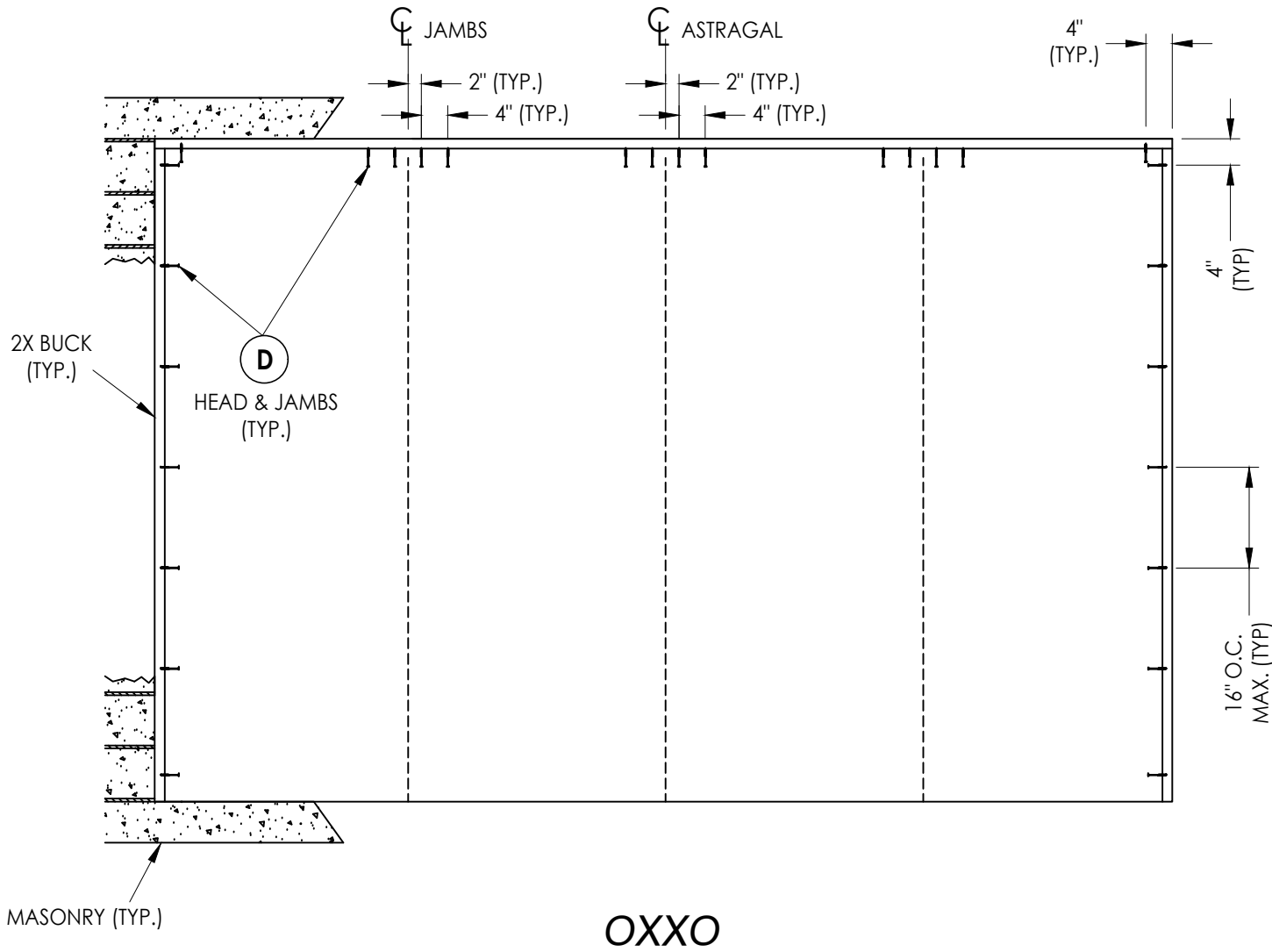
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



2X BUCK ANCHORING

PRODUCT:				ENDURA COMPONENTS				RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PART OR ASSEMBLY:				2X BUCK ANCHORING (O/X, X/O, OXO)							
3	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS							
2	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS							
1	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS							
NO.	DATE			BY							
				REVISIONS							
DATE: 8/12/19											
SCALE: N.T.S.											
DWG. BY: RW											
CHK. BY: LFS											
DRAWING NO.: FL-25610.15											
SHEET 8 OF 12											



2X BUCK ANCHORING

DATE: 8/12/19	
SCALE: N.T.S.	
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.: FL-25610.15	
SHEET	9 OF 12

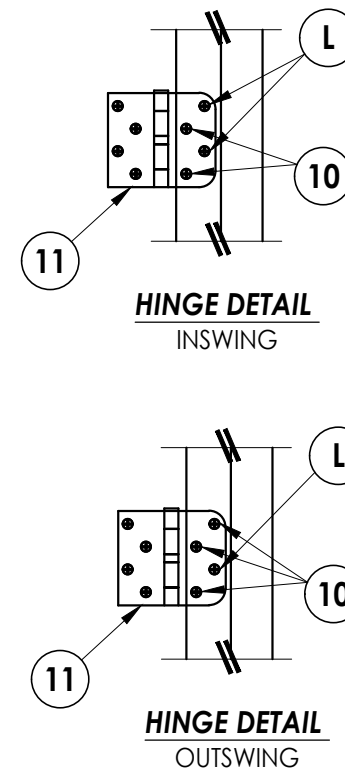
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2	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
NO.	DATE			BY	

PRODUCT:	ENDURA COMPONENTS
	PART OR ASSEMBLY: 2X BUCK ANCHORING (OXXO)

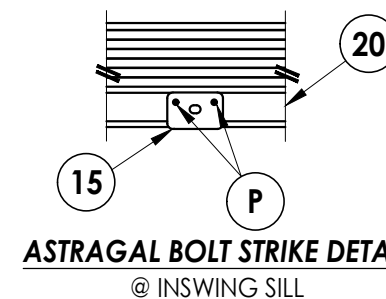
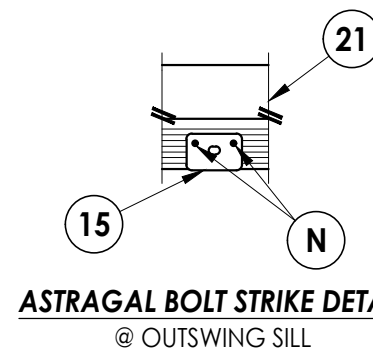
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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JAMB NOTE:
THE "FusionFrame" 1-PIECE JAMB MAY BE INSTALLED @ THE HEAD OR SIDE JAMB. THE 2-PIECE JAMB MAY BE INSTALLED @ THE SIDE JAMBS ONLY.



DATE: 8/12/19		PRODUCT:		ENDURA COMPONENTS	
SCALE: N.T.S.					
DWG. BY: RW					
CHK. BY: LFS					
DRAWING NO.: FL-25610.15					
SHEET 11 OF 12		3	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
		2	7/06/23	UPDATE TO 8TH ED. (2023)	FBC LFS
		1	8/03/20	UPDATE TO 7TH ED. (2020)	FBC LFS
		NO.	DATE		BY
		REVISIONS			
		FRAME ANCHORING (OXXO) & HARDWARE DETAILS			
		PART OR ASSEMBLY:			

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

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P.O. Box 230, Valrico, FL 33595
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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	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	#10 X 3" PFH WOOD SCREW	STEEL
J	#10 X 2" PFH WOOD SCREW	STEEL
K	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (MIN. EMBEDMENT: 1-1/2" @ JAMBS, 1" @ HEAD)	STEEL
M	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
N	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	3/16" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL
1	HEAD/SIDE JAMB (1-PIECE) (ENDURA "FusionFrame")	COMP/LVL
2	SIDE JAMB (2-PIECE) (ENDURA "FusionFrame")	COMP/LVL
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
15	ASTRAGAL SHOOTBOLT STRIKE PLATE	STEEL
16	#8 X 2-1/2" PFH WOOD SCREW	STEEL
17	#12 X 2-1/2" PFH WOOD SCREW	STEEL
20	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
21	OUTSWING THRESHOLD	ALUM/COMP
22	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
23	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
40	DOOR PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-
50	SIDELITE PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-

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:

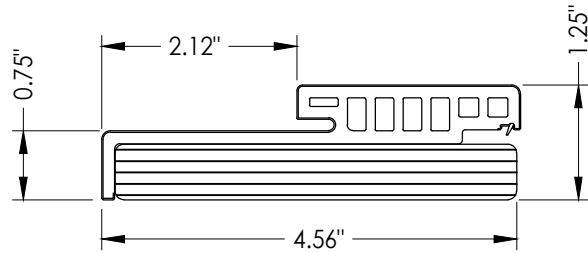
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

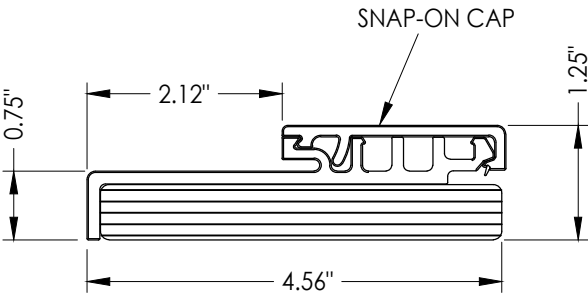
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

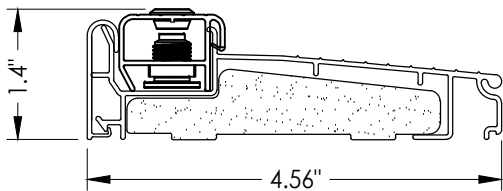
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.



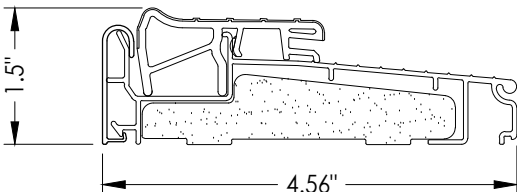
1 HEAD/SIDE JAMB
(1-PIECE)



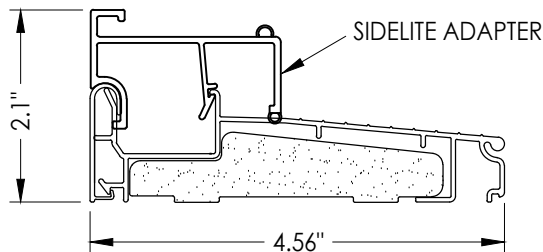
2 SIDE JAMB
(2-PIECE)



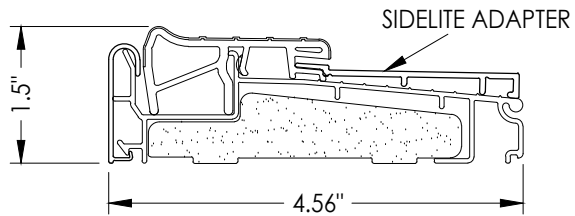
20 INSWING THRESHOLD
ENDURA



21 OUTSWING THRESHOLD
ENDURA



22 INSWING THRESHOLD w/ SIDELITE ADAPTER
ENDURA



23 OUTSWING THRESHOLD w/ SIDELITE ADAPTER
ENDURA

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

PRODUCT:

ENDURA
COMPONENTS

PART OR ASSEMBLY:

BILL OF MATERIALS
& COMPONENTS

DATE: 8/12/19

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-25610.15

SHEET 12 OF 12