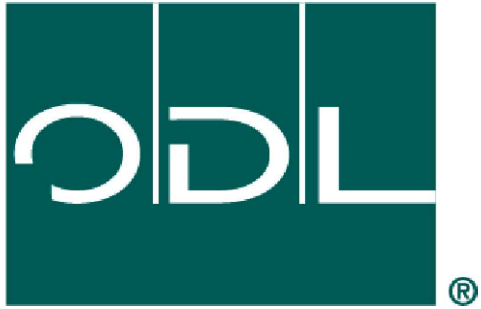




ODL, Inc.

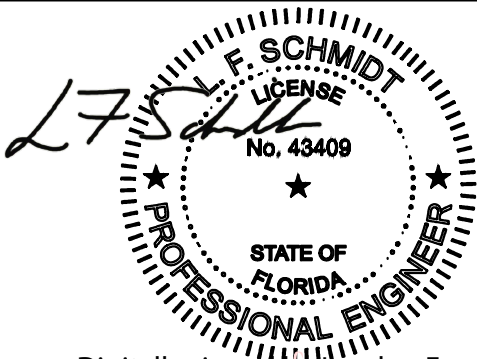
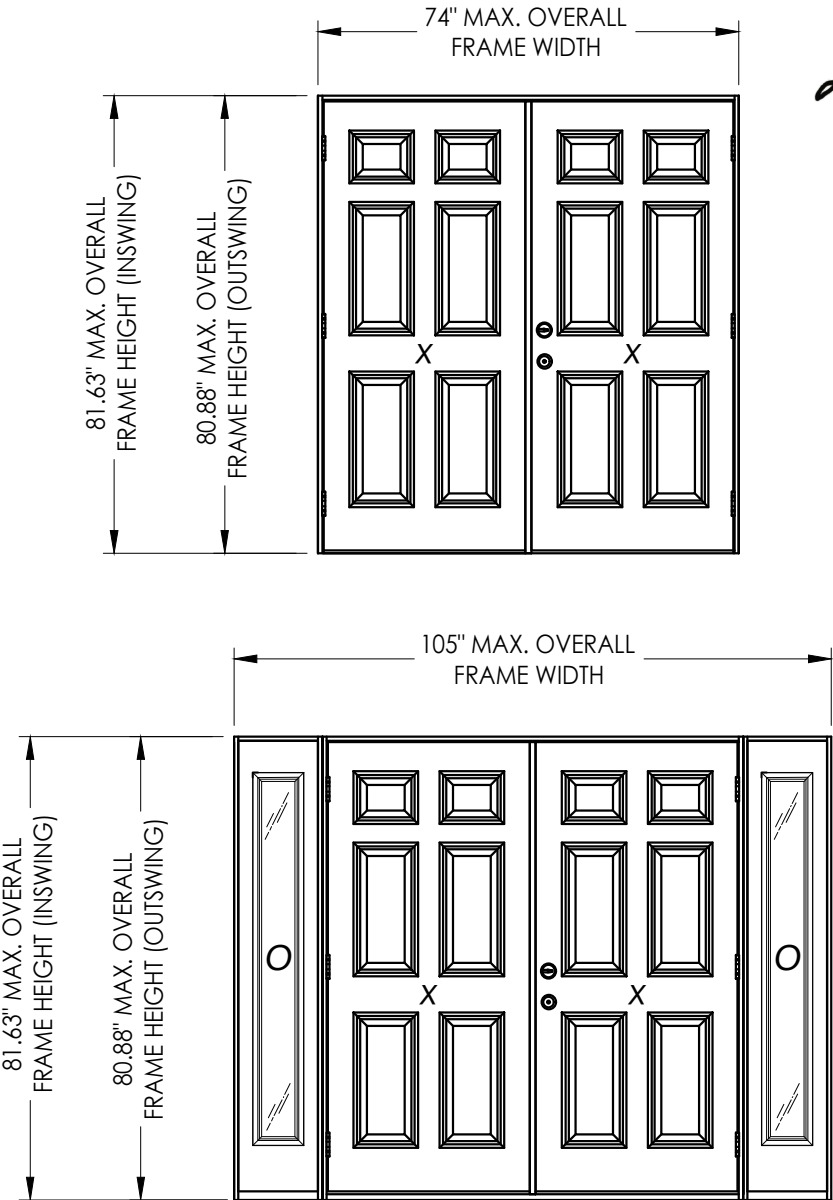
OPAQUE STEEL ENTRY DOOR
DOUBLE w/ or w/out SIDELITES

INSWING/OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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 Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite Panel & Glazing Details
4	Elevations
5	Horizontal & Vertical Cross Sections (2X Buck)
6	Horizontal & Vertical Cross Sections (1X Buck)
7	Horizontal & Vertical Cross Sections (Direct to Masonry)
8	Horizontal Cross Sections
9	Vertical Cross Sections
10	Buck Anchoring
11	Frame Anchoring & Hardware Details
12	Astragal Details
13	Bill of Materials & Components



Digitally signed by Lyndon F Schmidt
Date: 2026.07.16 07:49:09 -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

CONFIGURATION	MAX. FRAME DIMENSION	JAMB MATERIAL	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
			INSWING		OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 81.63"	FJ PINE	+55.0	-60.0	+60.0	-60.0
XX	74.0" x 81.63"	COMPOSITE	+60.0	-60.0	+60.0	-60.0
OXXO	105.0" x 81.63"	FJ PINE	+55.0	-60.0	+60.0	-60.0
OXXO	105.0" x 81.63"	COMPOSITE	+60.0	-60.0	+60.0	-60.0

NOTE: DESIGN PRESSURES > ±50 PSF REQUIRE THE USE OF THE HURRICANE ASTRAGAL (SEE SHEET 12)

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

PRODUCT:
ODL, INC.
STEEL DOOR

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

DATE: 3/18/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-29651.3

SHEET 1 OF 13

275

STATE OF FLORIDA
PROFESSIONAL ENGINEER
LICENSE
No. 43409

Digitally signed by Lyndon F Schmidt
Date: 2026.07.16 07:49:09 -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

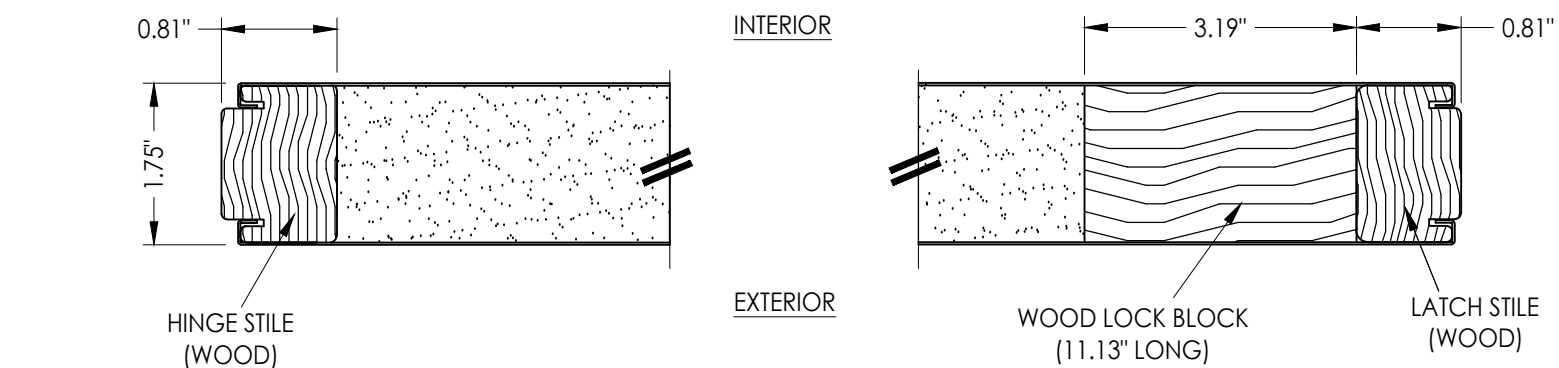
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

REVISIONS

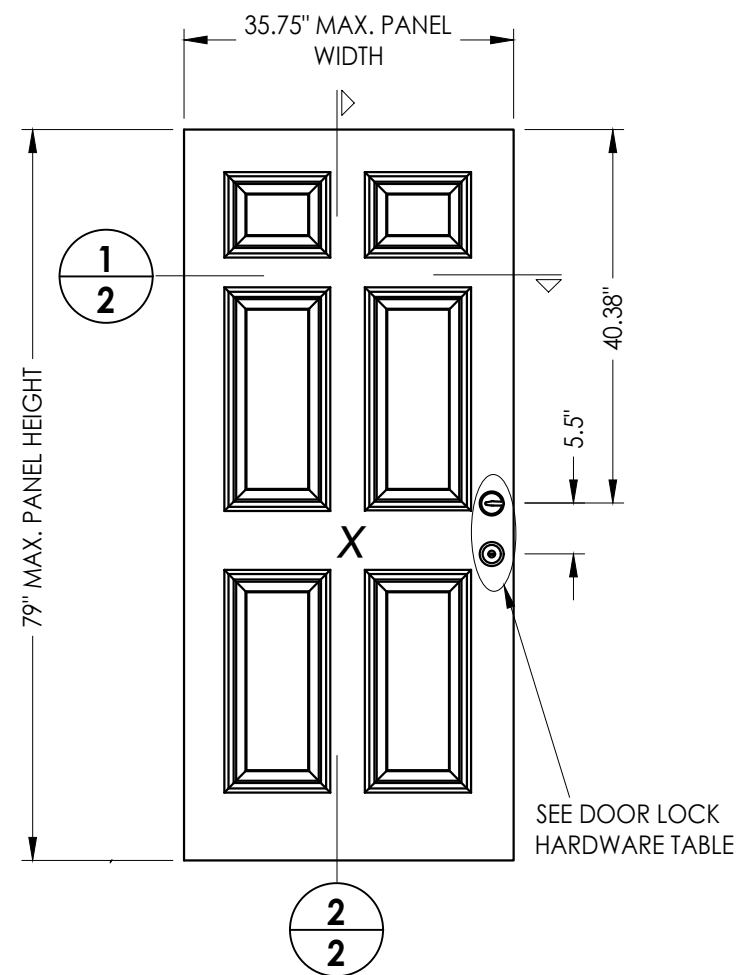
4 7/02/26 UPDATE TO 9TH ED. (2026) FBC

3 3/30/26 MANUFACTURER'S NAME CHANGE

NO. DATE



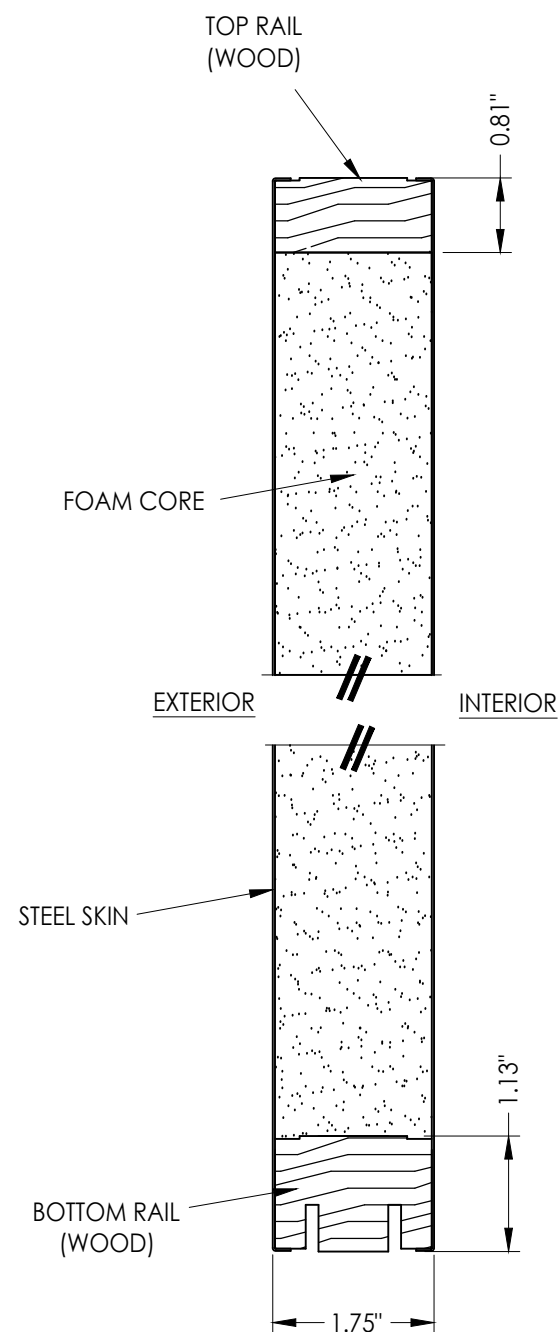
1 HORIZONTAL CROSS SECTION



40 STEEL DOOR PANEL
ODL, INC.

STEEL SKIN: 25 GA. (0.018" MIN. THK.)
FOAM CORE: POLYUREHTANE

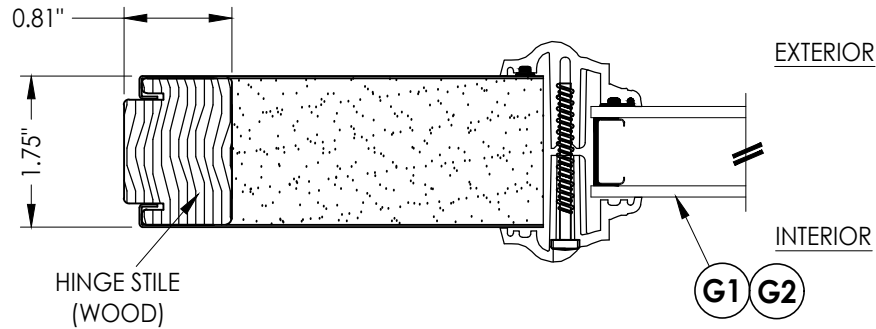
HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (780)
SCHLAGE	KNOB:	F-SERIES (F51)
	DEADBOLT:	B-SERIES (B60)



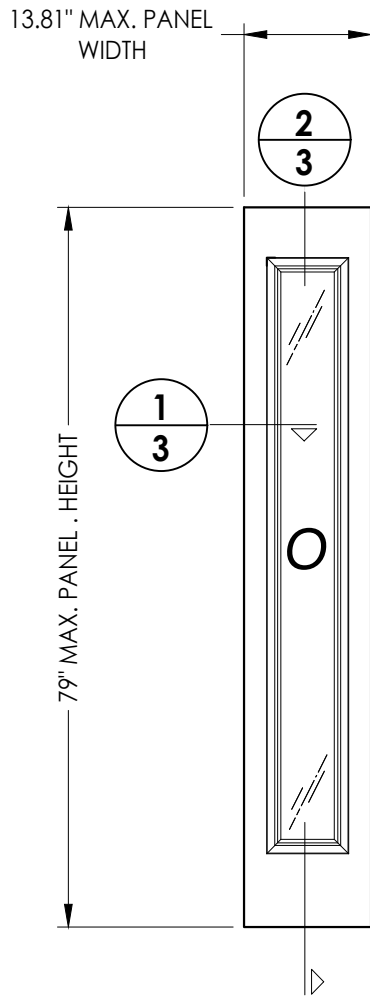
2 VERTICAL CROSS SECTION

DATE: 3/18/26		DRAWING NO.: FL-29651.3		SHEET 2 OF 13	
SCALE: N.T.S.		CHK. BY: RW		DWG. BY: LFS	
NO.		DATE		REVISONS	
4		7/02/26		UPDATE TO 9TH ED. (2026) FBC	
3		3/30/26		MANUFACTURER'S NAME CHANGE	
LFS		BY		LFS	
PRODUCT: ODL, INC. STEEL DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RW			

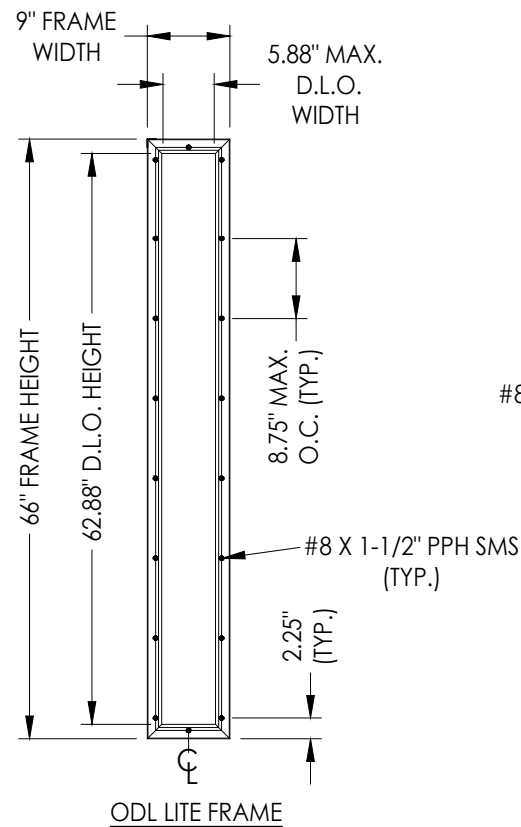
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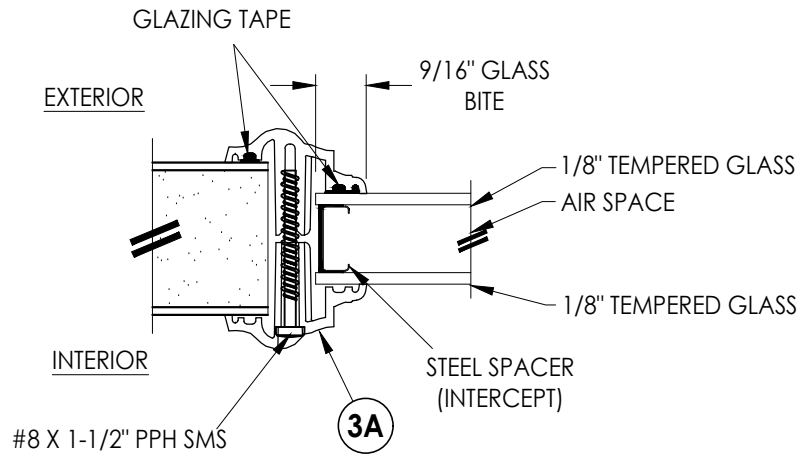
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3 **HORIZONTAL CROSS SECTION**



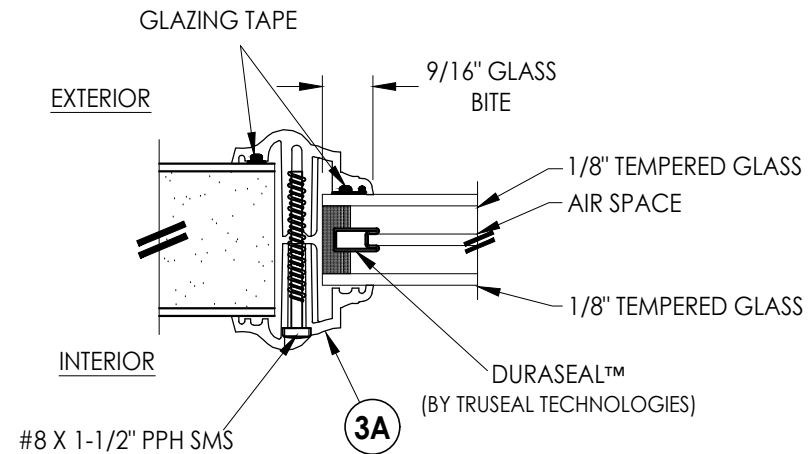
50 **STEEL SIDELITE PANEL**
ODL, INC.



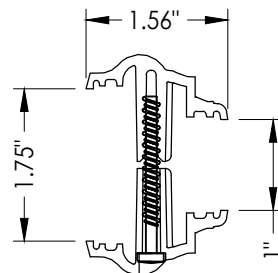
ODL LITE FRAME



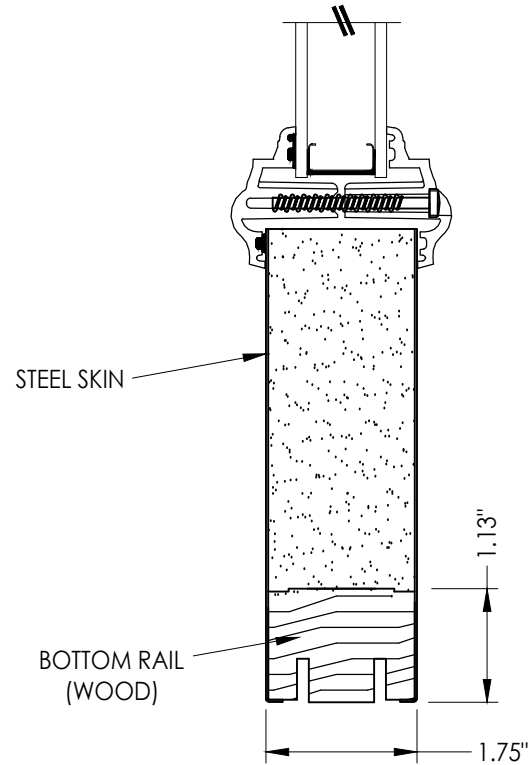
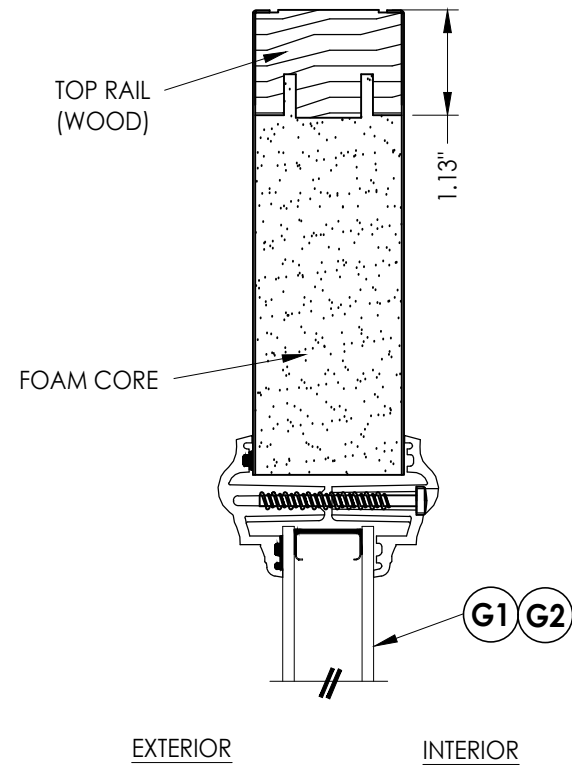
G1 **GLAZING DETAIL**
ODL LITE FRAME



G2 **GLAZING DETAIL**
ODL LITE FRAME



3A **ODL LITE FRAME**
EVOLVE FRAME
HP POLYPROPYLENE



2
3 **VERTICAL CROSS SECTION**

STEEL SKIN: 25 GA. (0.018" MIN. THK.)
FOAM CORE: POLYUREHTANE

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

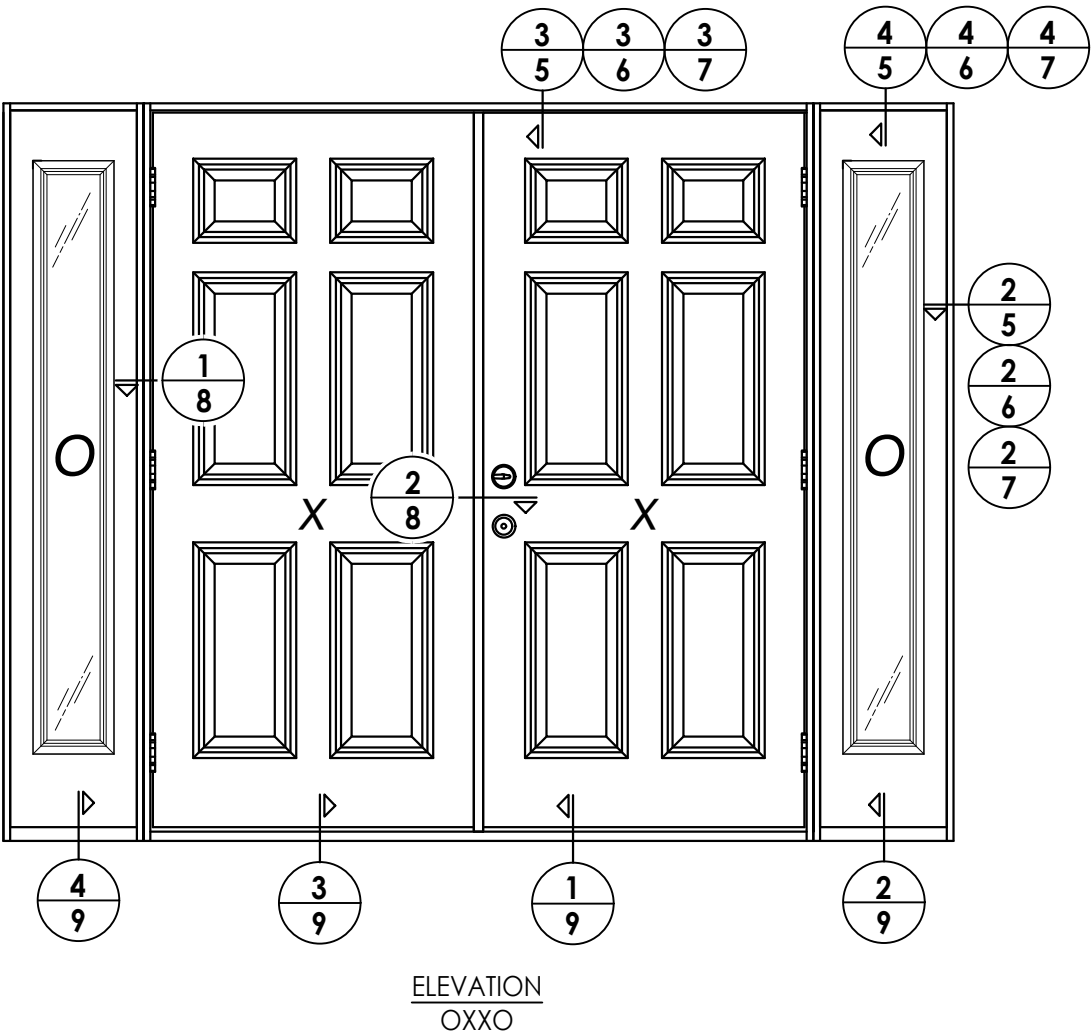
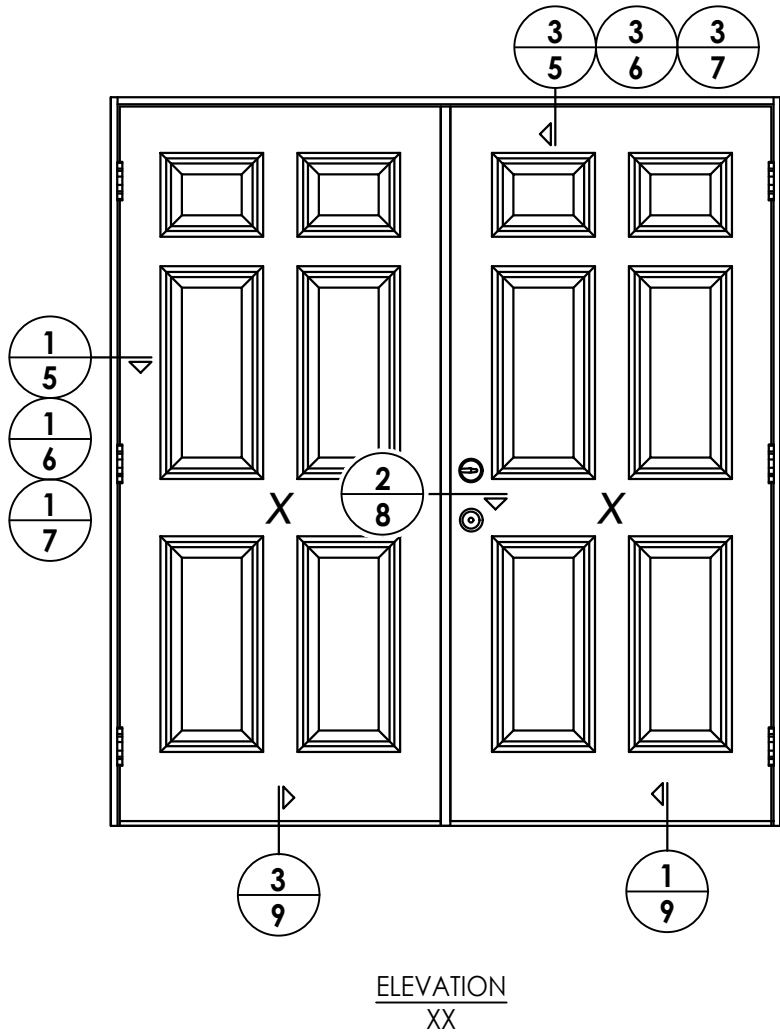
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	ODL, INC. STEEL DOOR
	PART OR ASSEMBLY: SIDELITE PANEL & GLAZING DETAILS

NO.	DATE	REVISIONS	
		BY	
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3	3/30/26	LFS	MANUFACTURER'S NAME CHANGE

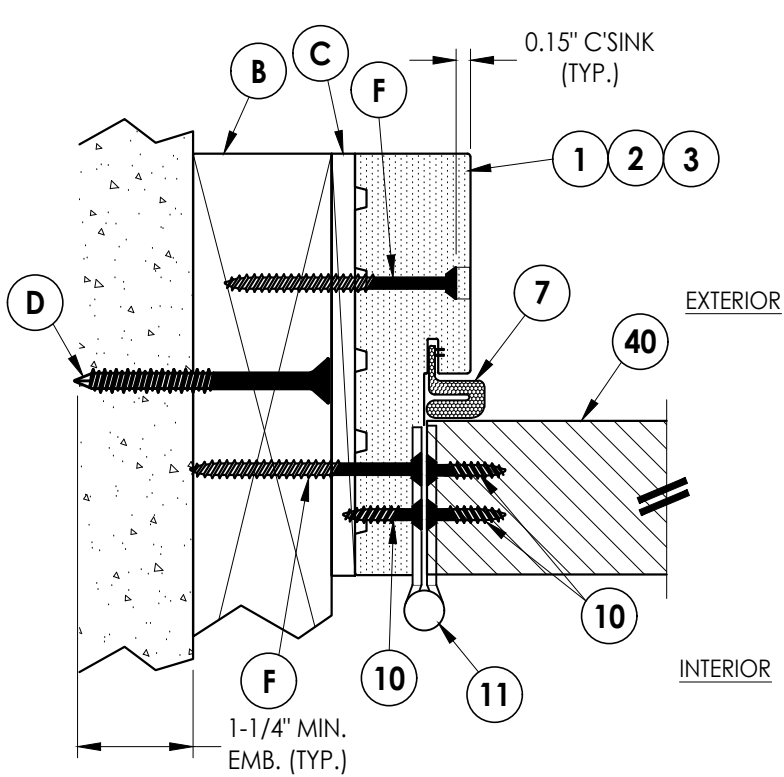
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SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-29651.3
SHEET	3 OF 13

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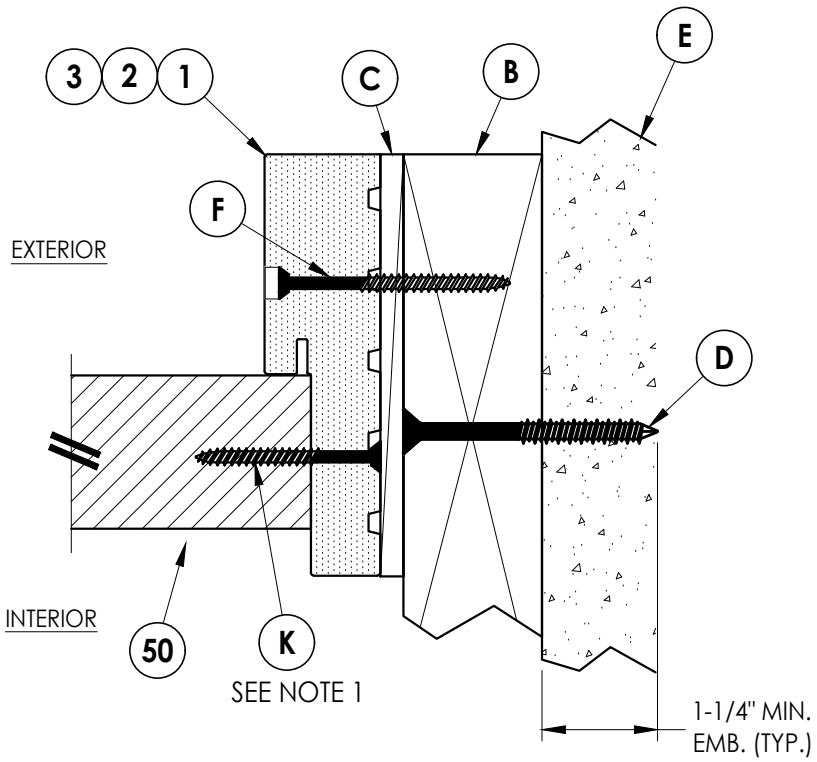


DATE: 3/18/26				SHEET 4 OF 13			
SCALE: N.T.S.				DRAWING NO.: FL-29651.3			
DWG. BY: LFS				CHK. BY: RW			
4				7/02/26			
3				3/30/26			
NO.				DATE			
				REVISIONS			
				LFS			
				FBC			
				UPDATE TO 9TH ED. (2026)			
				MANUFACTURER'S NAME CHANGE			
				LFS			
				BY			
				ELEVATIONS			
				PART OR ASSEMBLY:			
				ODL, INC.			
				STEEL DOOR			
				PRODUCT:			
				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			

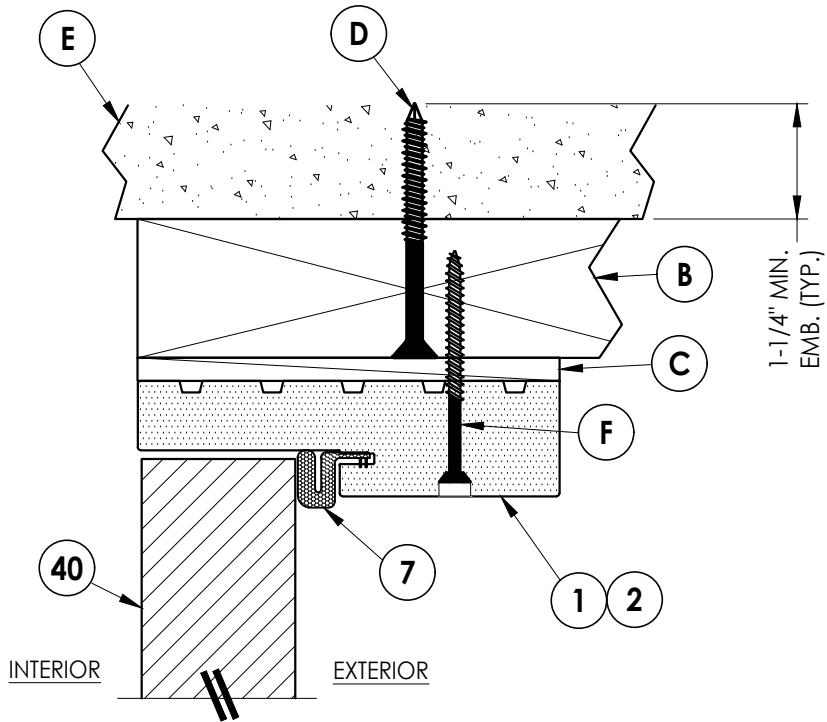
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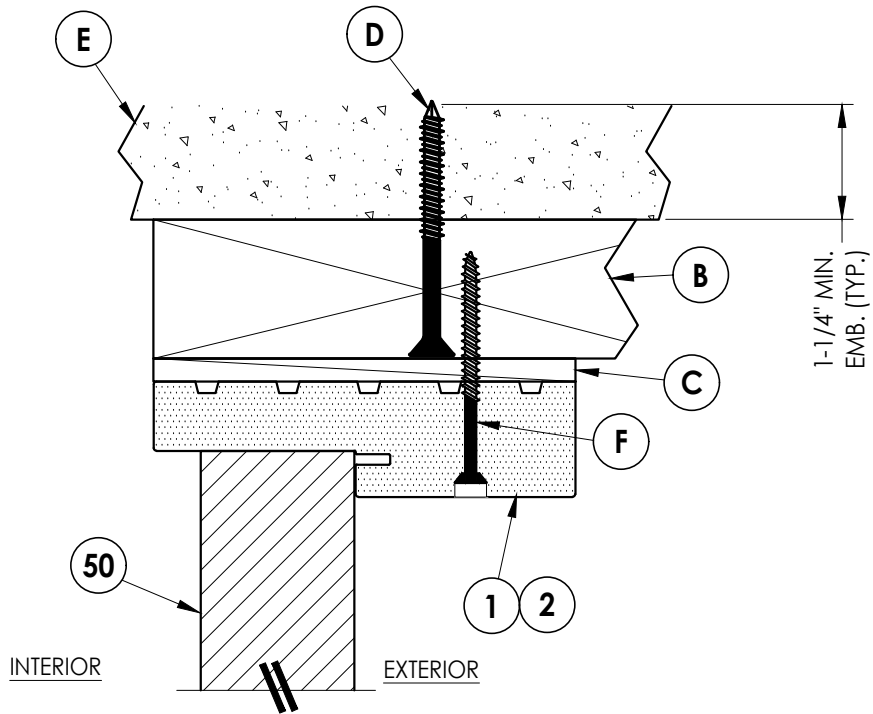
1 **HORIZONTAL CROSS SECTION**
5 Inswing Shown (Outswing Similar)
2X Buck Construction



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



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



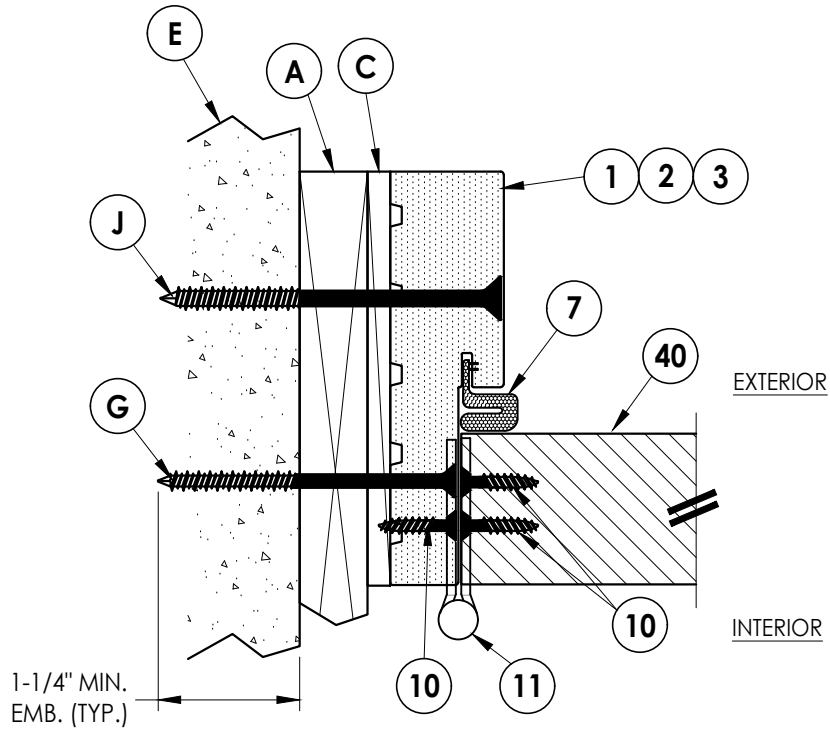
4 **VERTICAL CROSS SECTION**
5 Inswing Shown (Outswing Similar)
2X Buck Construction

NOTE:

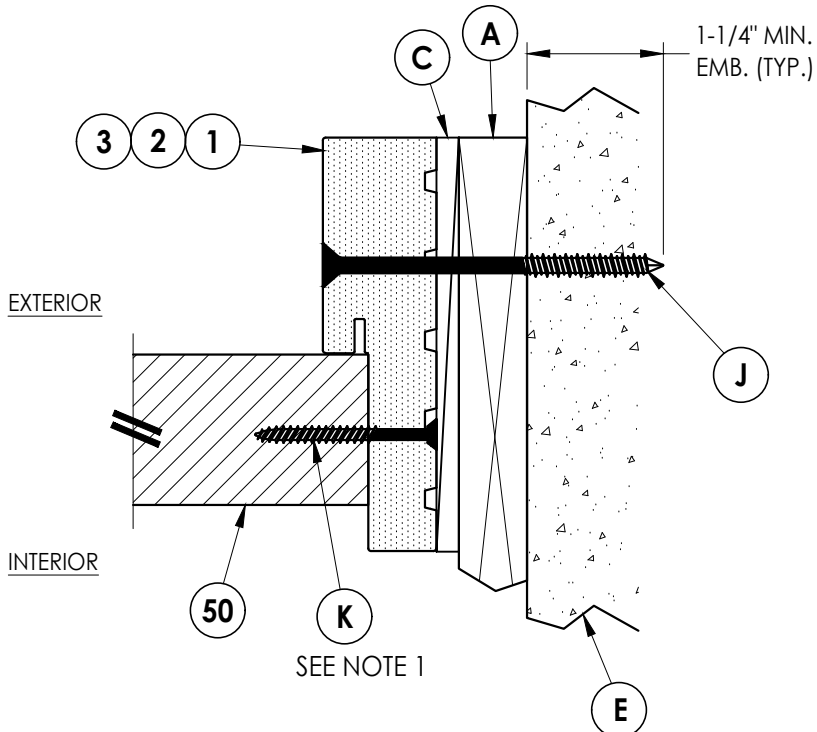
1. Sidelite attached @ 6" from each end plus 4 more screws equally spaced between (6 screws total per jamb).

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: ODL, INC. STEEL DOOR				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)			
				LFS	BY	REVISIONS	
				LFS			
				NO.	DATE		
			4	7/02/26	UPDATE TO 9TH ED. (2026) FBC		
			3	3/30/26	MANUFACTURER'S NAME CHANGE		
DATE: 3/18/26							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-29651.3							
SHEET 5 OF 13							

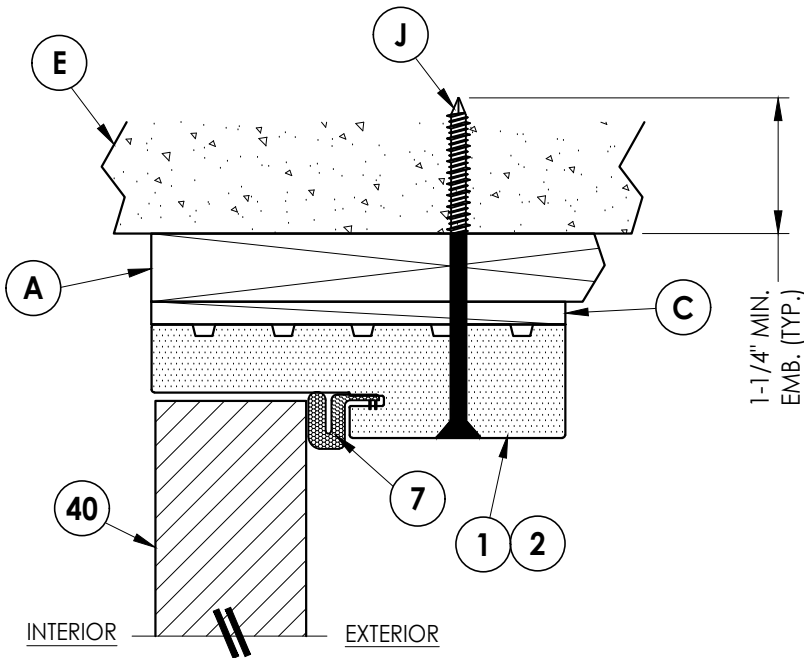
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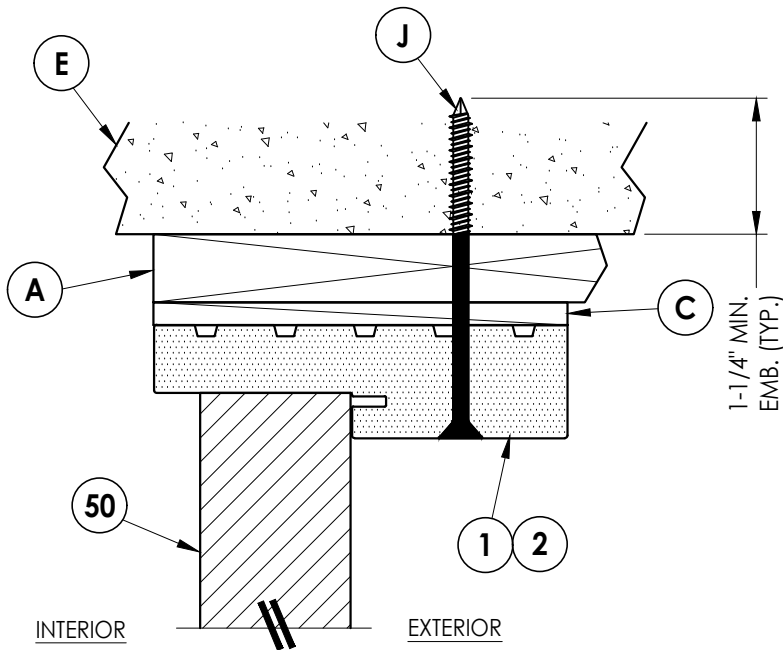
1 **HORIZONTAL CROSS SECTION**
6 Inswing Shown (Outswing Similar)
1X Buck Construction



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



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



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

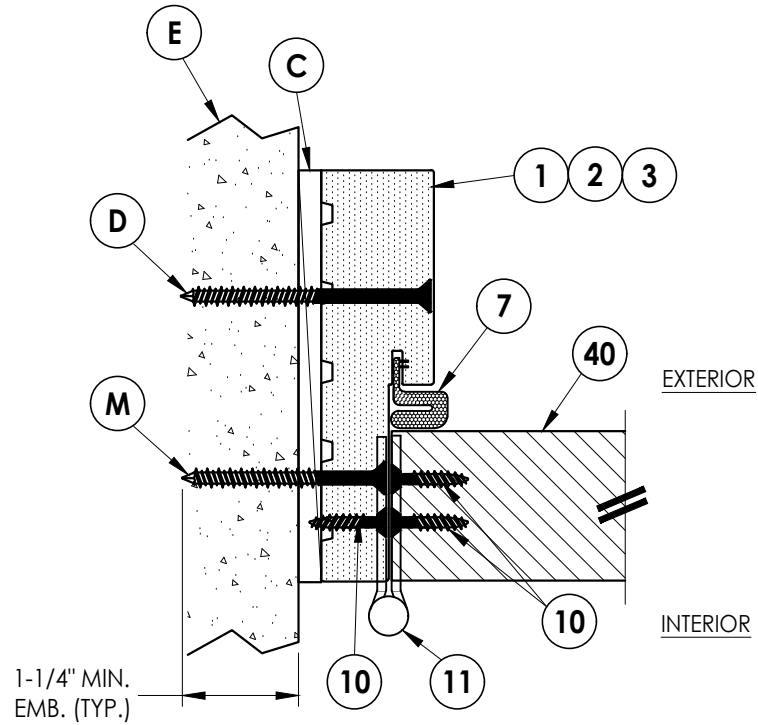
NOTE:
1. Sidelite attached @ 6" from each end plus
4 more screws equally spaced between
(6 screws total per jamb).

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

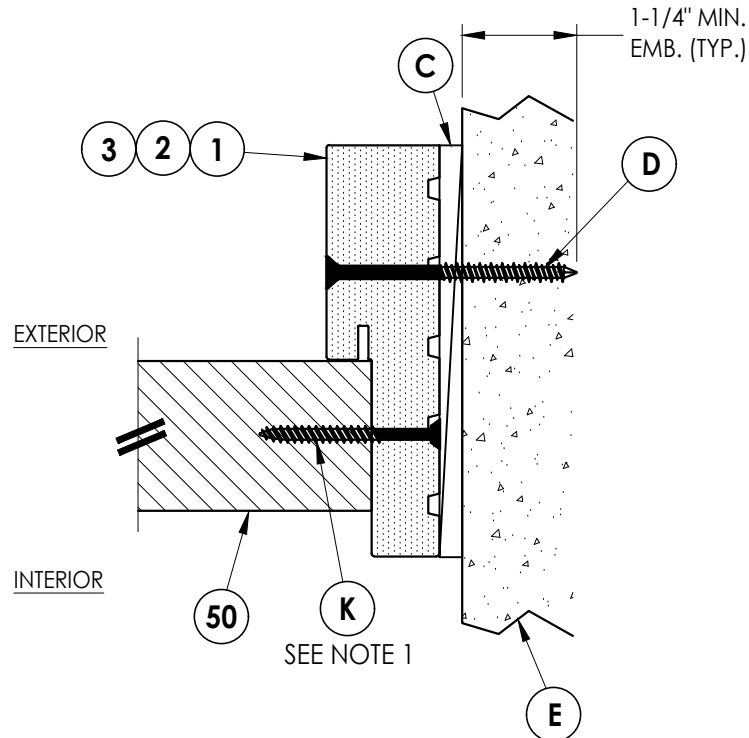
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		ODL, INC. STEEL DOOR	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
NO.	DATE	REVISIONS	
		LFS	BY
4	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
3	3/30/26	MANUFACTURER'S NAME CHANGE	LFS
DATE: 3/18/26			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-29651.3			
SHEET 6 OF 13			

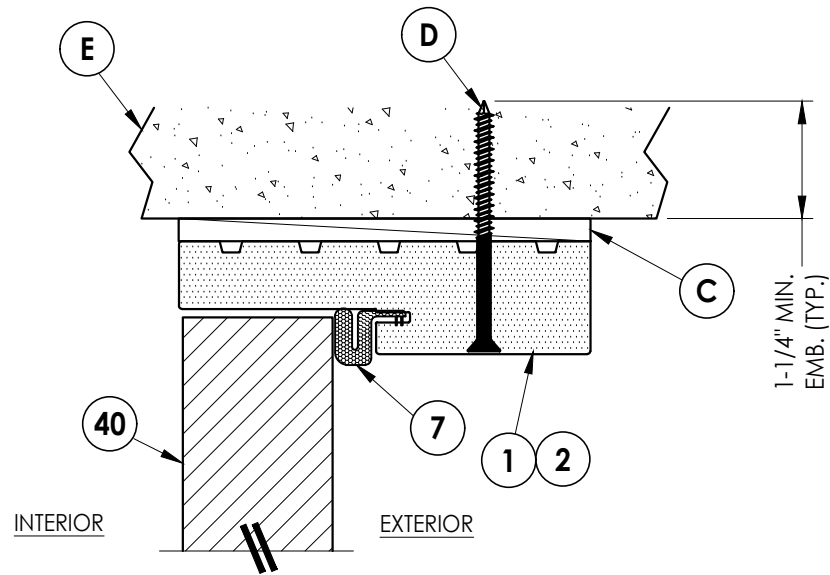
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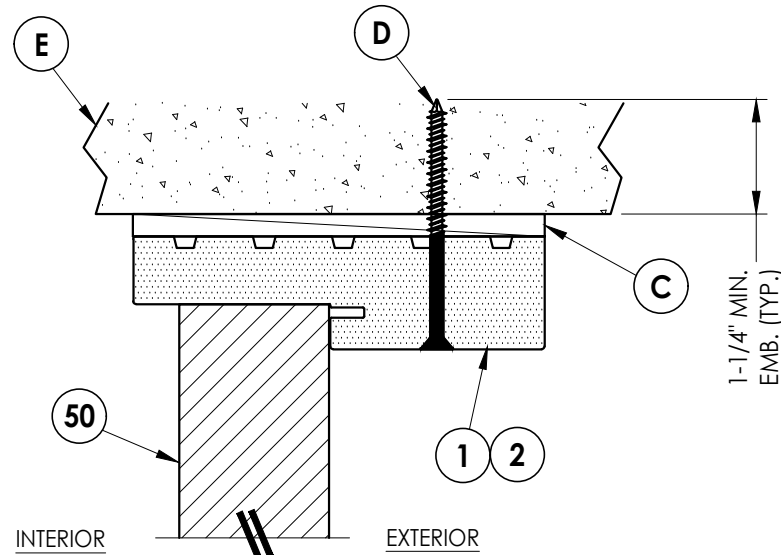
1
7 **HORIZONTAL CROSS SECTION**
Inswing Shown (Outswing Similar)
Shown Direct to Masonry



2
7 **HORIZONTAL CROSS SECTION**
Inswing Shown (Outswing Similar)
Shown Direct to Masonry



3
7 **VERTICAL CROSS SECTION**
Inswing Shown (Outswing Similar)
Shown Direct to Masonry



4
7 **VERTICAL CROSS SECTION**
Inswing Shown (Outswing Similar)
Shown Direct to Masonry

NOTE:

1. Sidelite attached @ 6" from each end plus 4 more screws equally spaced between (6 screws total per jamb).

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:	ODL, INC. STEEL DOOR	
	PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	

NO.	DATE	REVISIONS	
		BY	LFS
4	7/02/26	UPDATE TO 9TH ED. (2026)	FBC
3	3/30/26	MANUFACTURER'S NAME CHANGE	LFS

DATE: 3/18/26

SCALE: N.T.S.

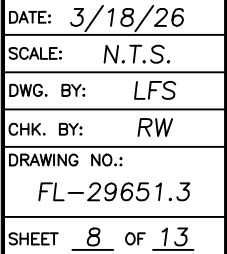
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CHK. BY: RW

DRAWING NO.:

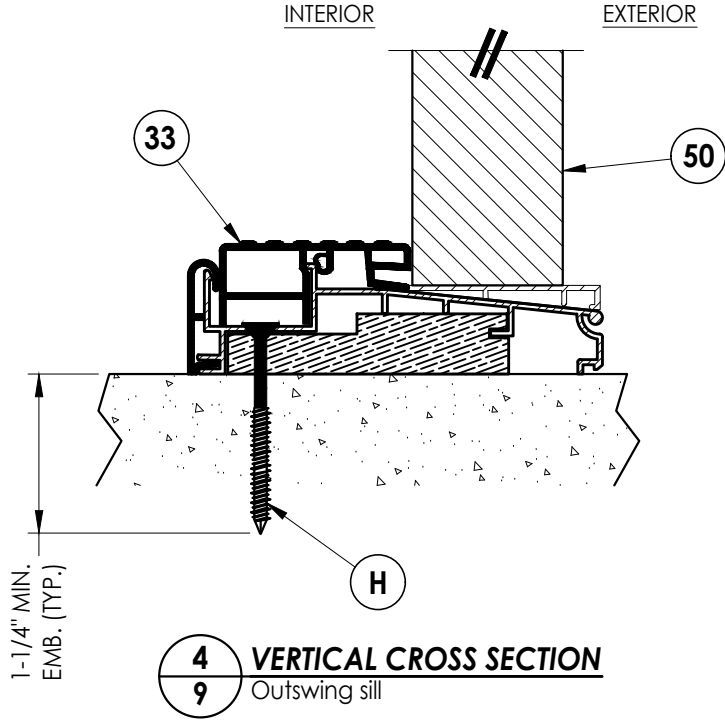
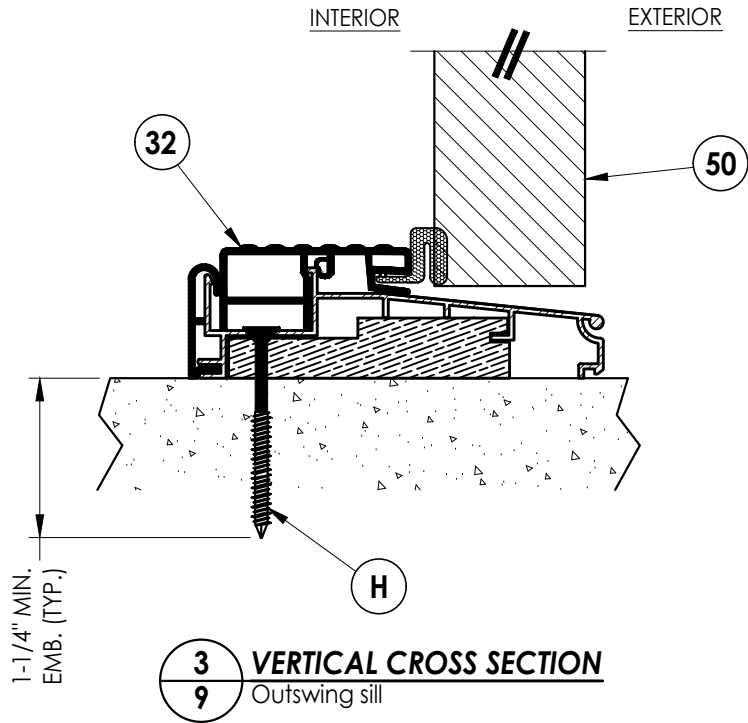
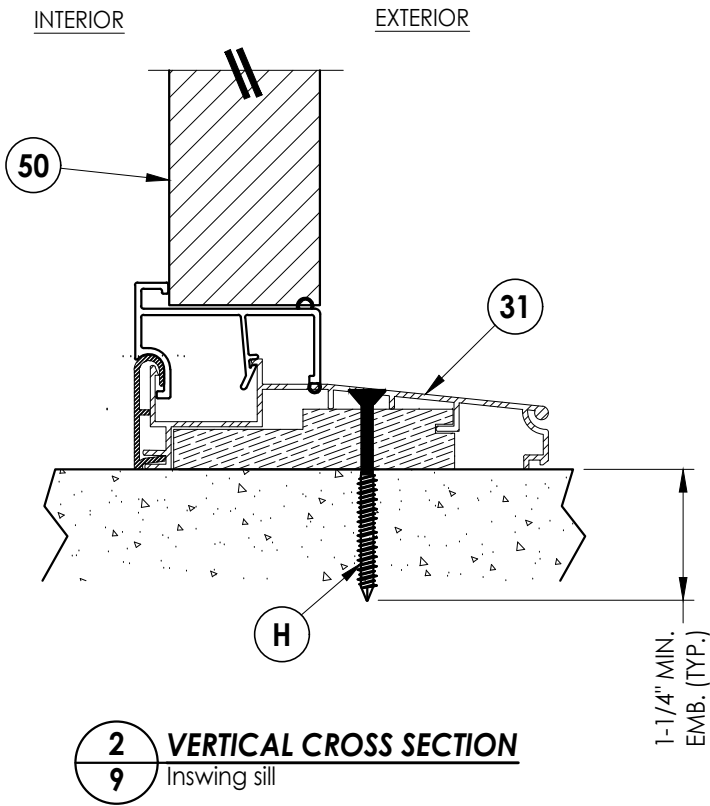
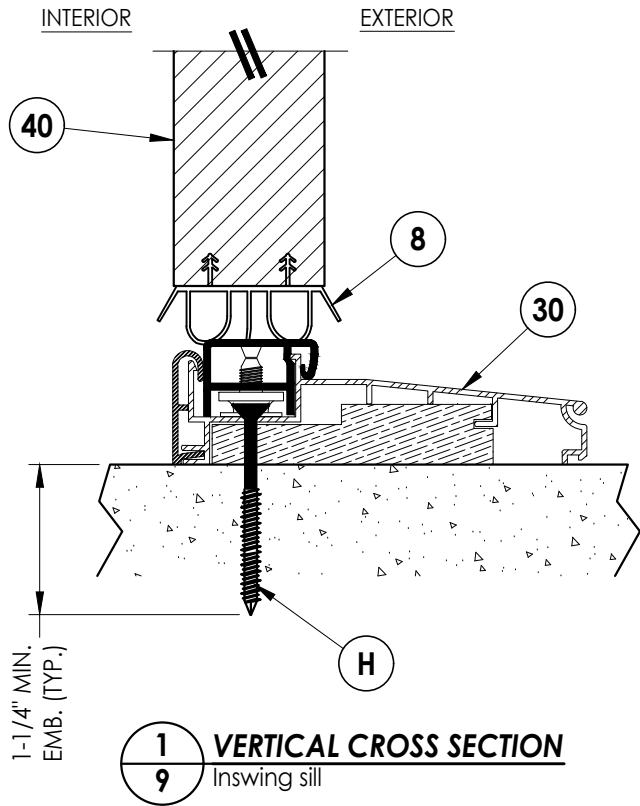
FL-29651.3

SHEET 7 OF 13



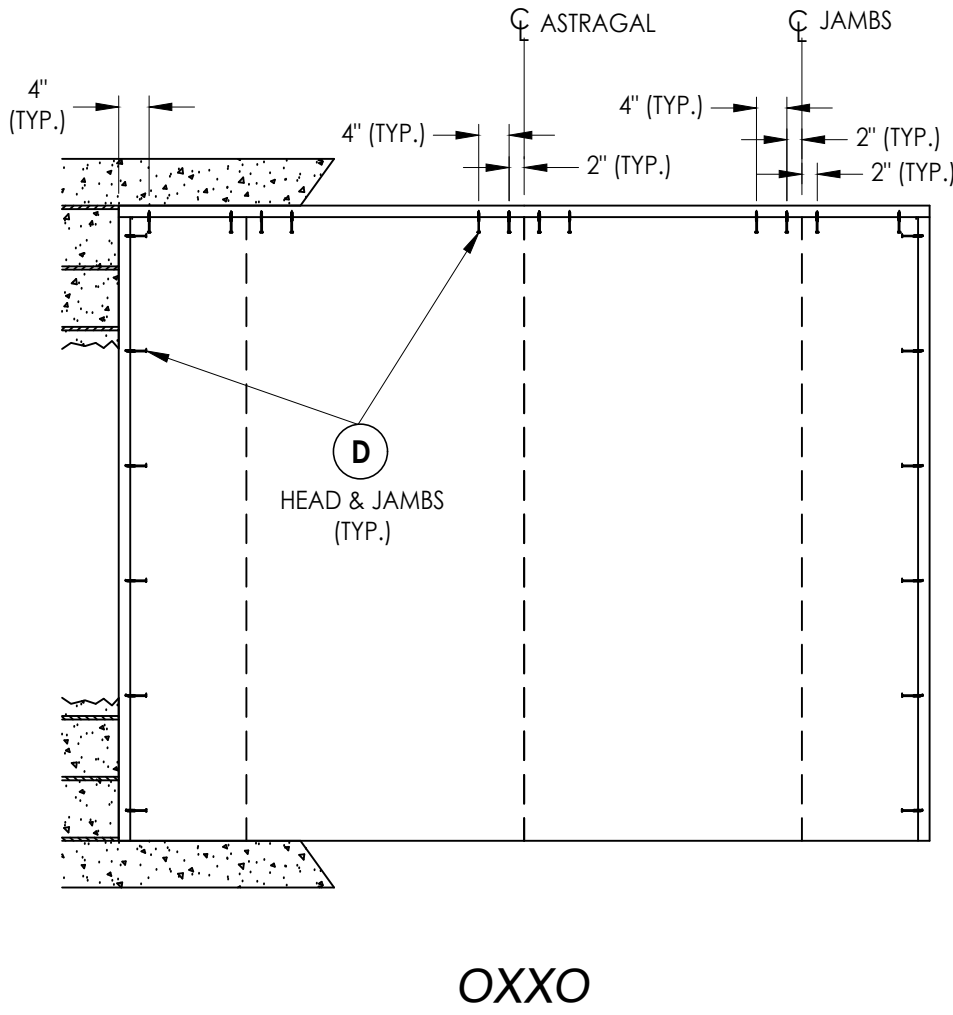
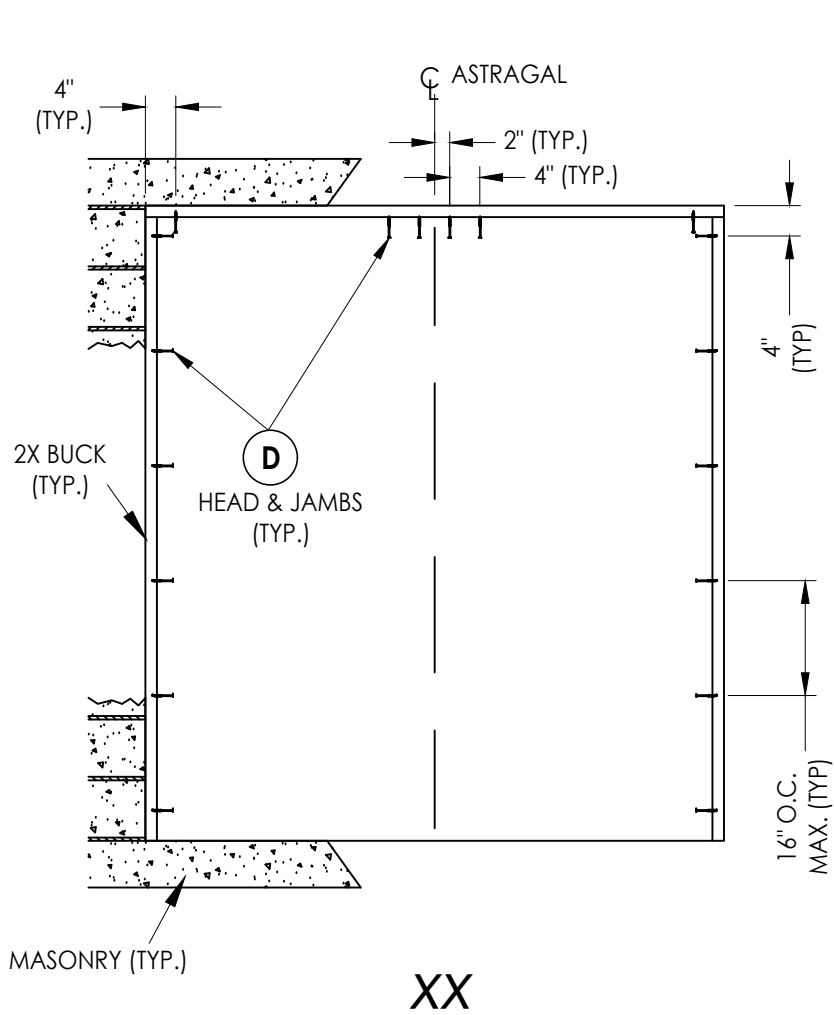
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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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: ODL, INC. STEEL DOOR										PART OR ASSEMBLY: VERTICAL CROSS SECTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

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2X BUCK ANCHORING

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"
	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.

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:
ODL, INC.
STEEL DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

NO.	DATE	REVISIONS
4	7/02/26	UPDATE TO 9TH ED. (2026) FBC
3	3/30/26	MANUFACTURER'S NAME CHANGE
LFS		
LFS		
BY		

DATE: 3/18/26

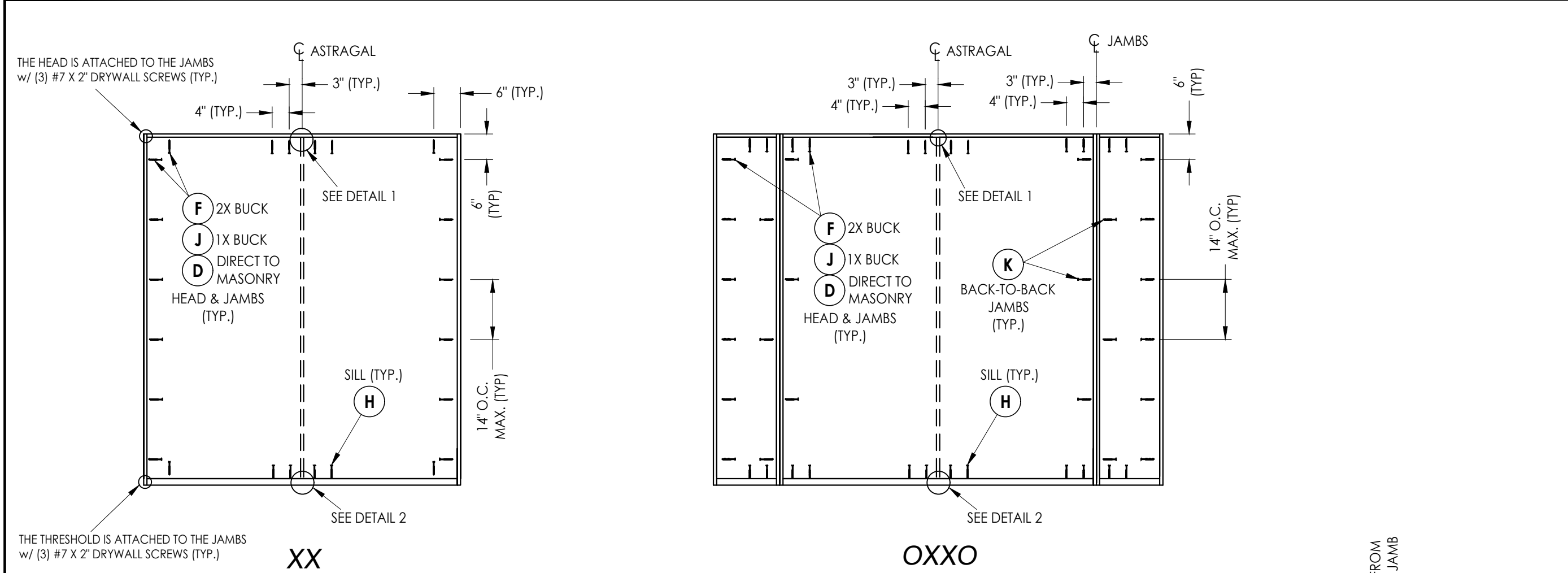
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DWG. BY: LFS

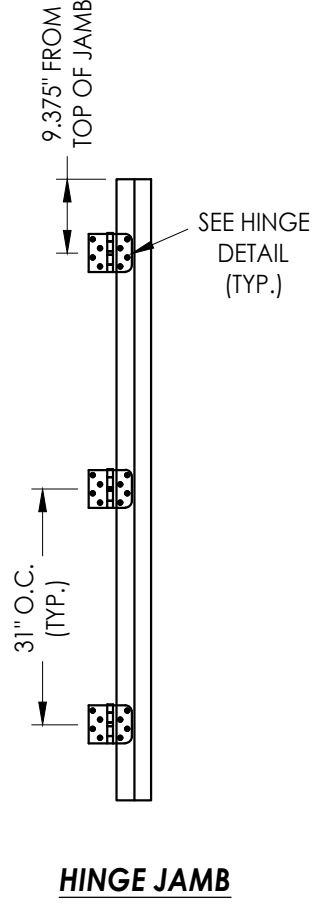
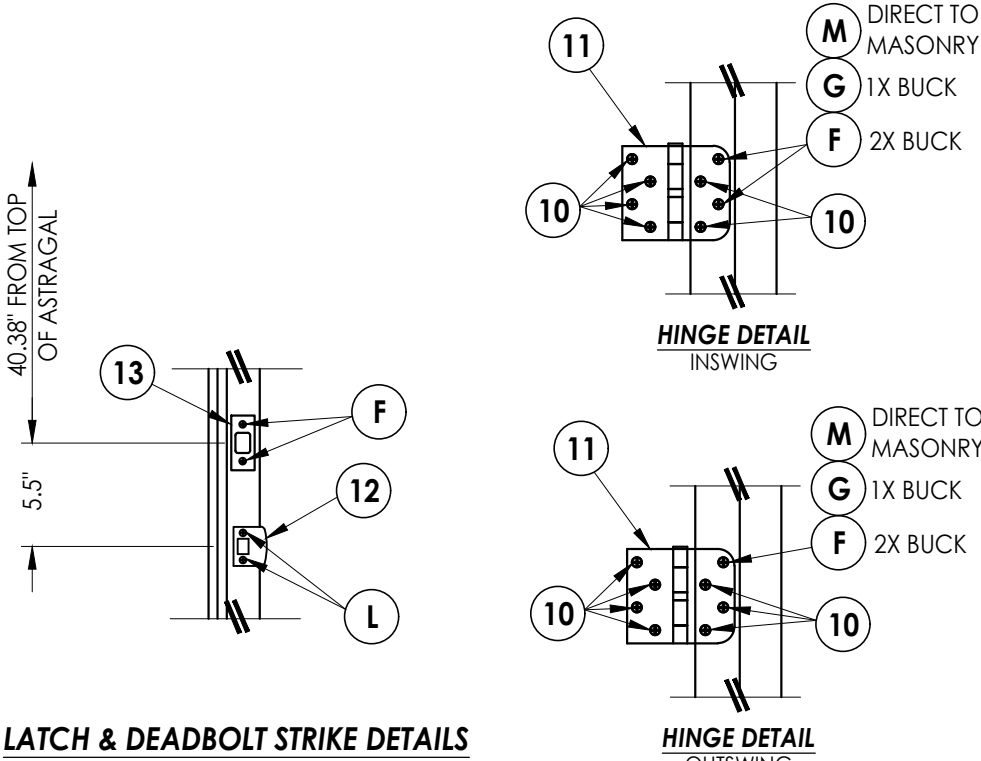
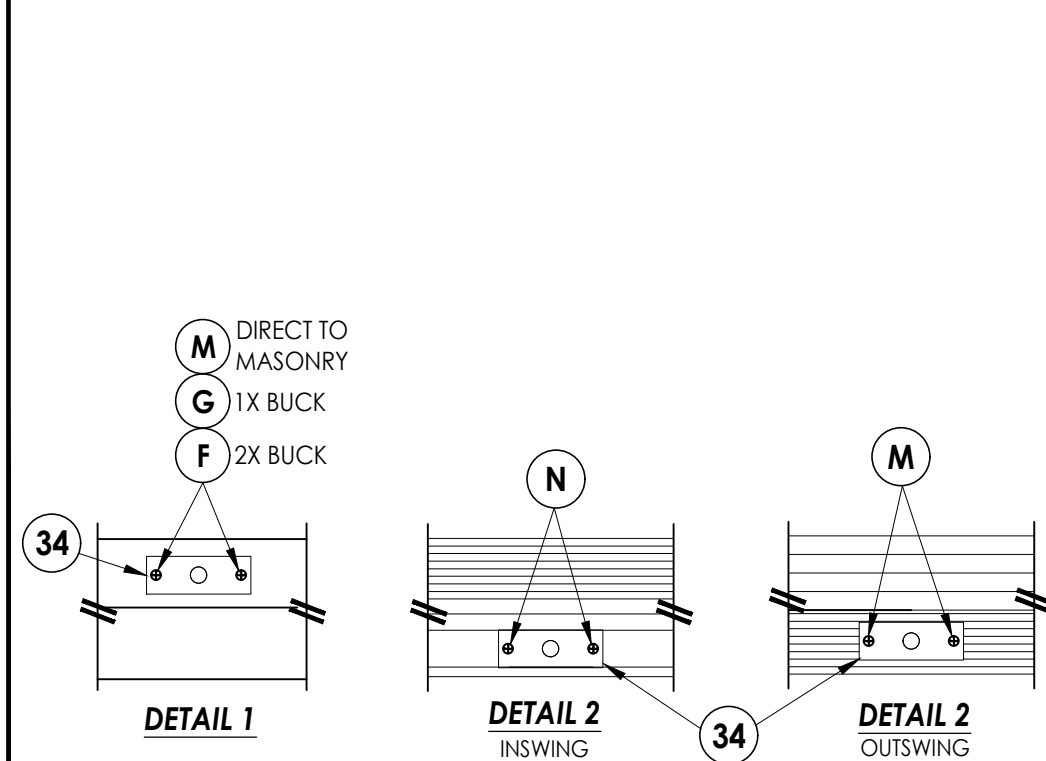
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DRAWING NO.:
FL-29651.3

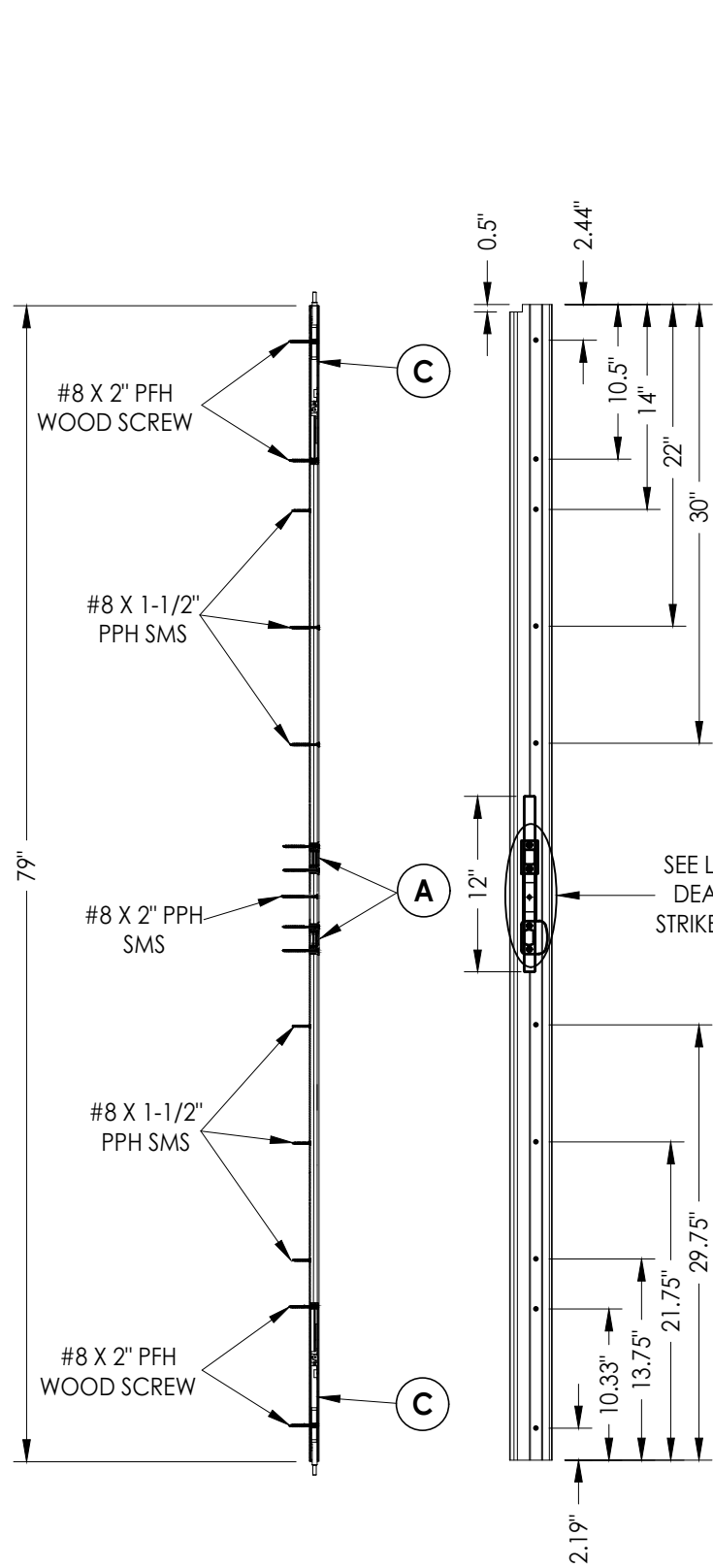
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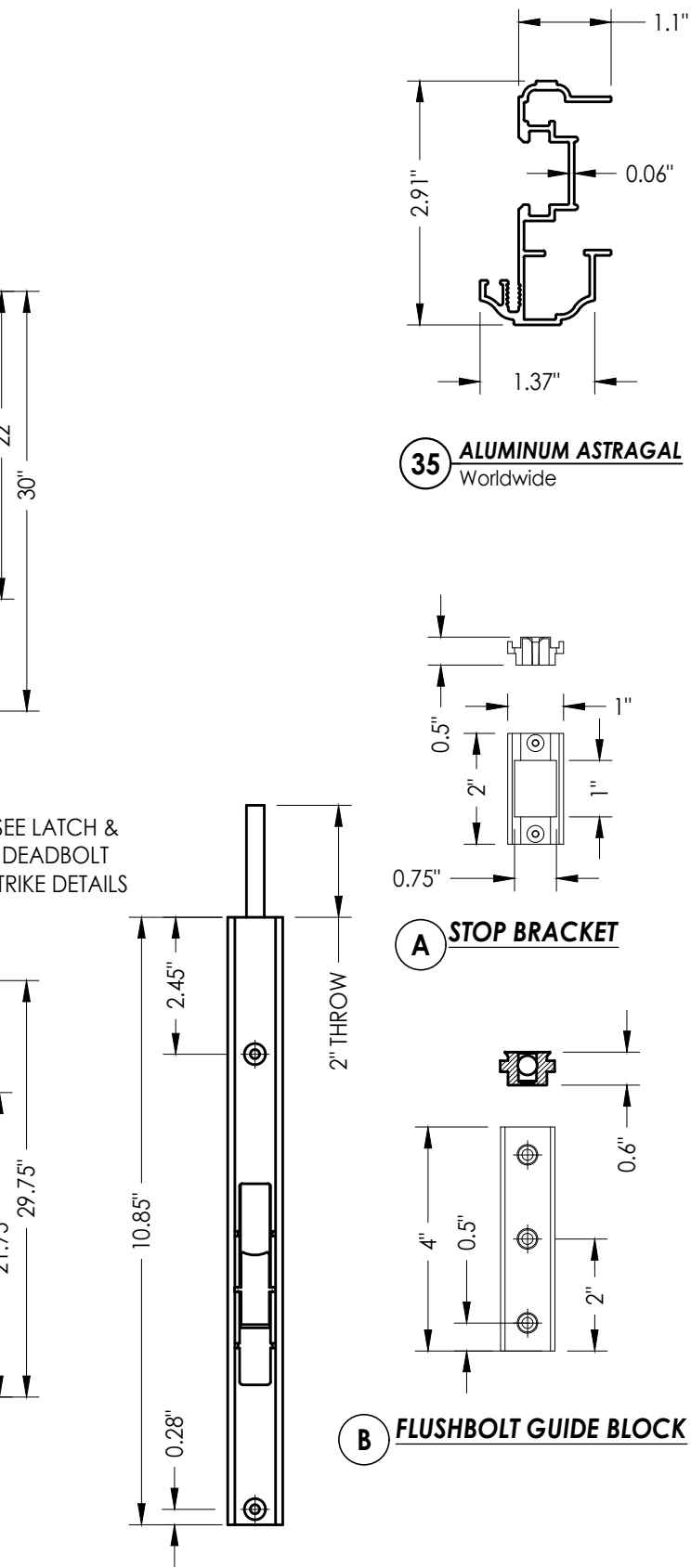
FRAME ANCHORING



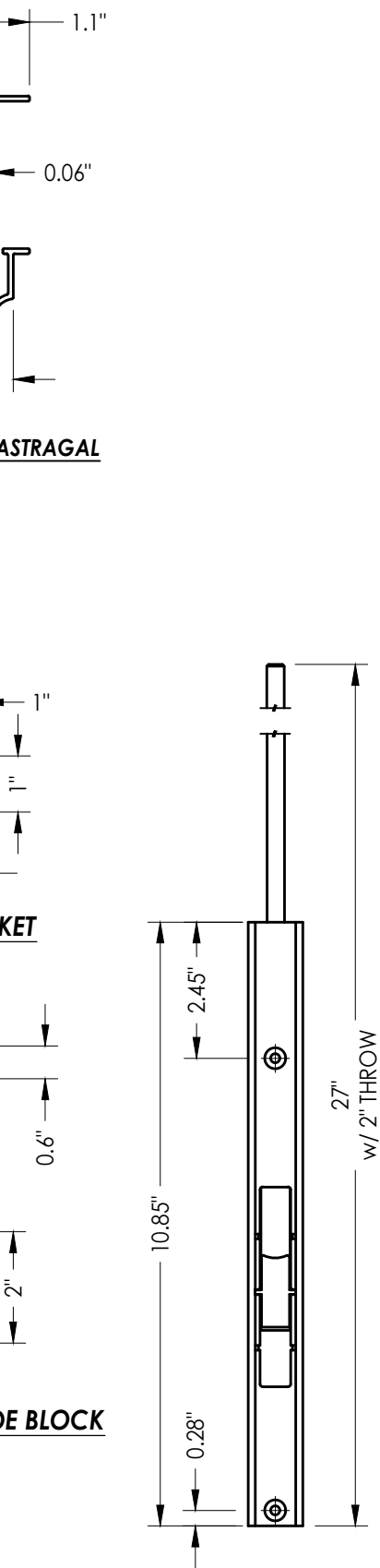
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ODL, INC. STEEL DOOR				PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS			
				LFS	UPDATE TO 9TH ED. (2026) FBC	BY	
				LFS	MANUFACTURER'S NAME CHANGE		
				NO.	DATE	REVISIONS	
DATE: 3/18/26							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-29651.3							
SHEET 11 OF 13							



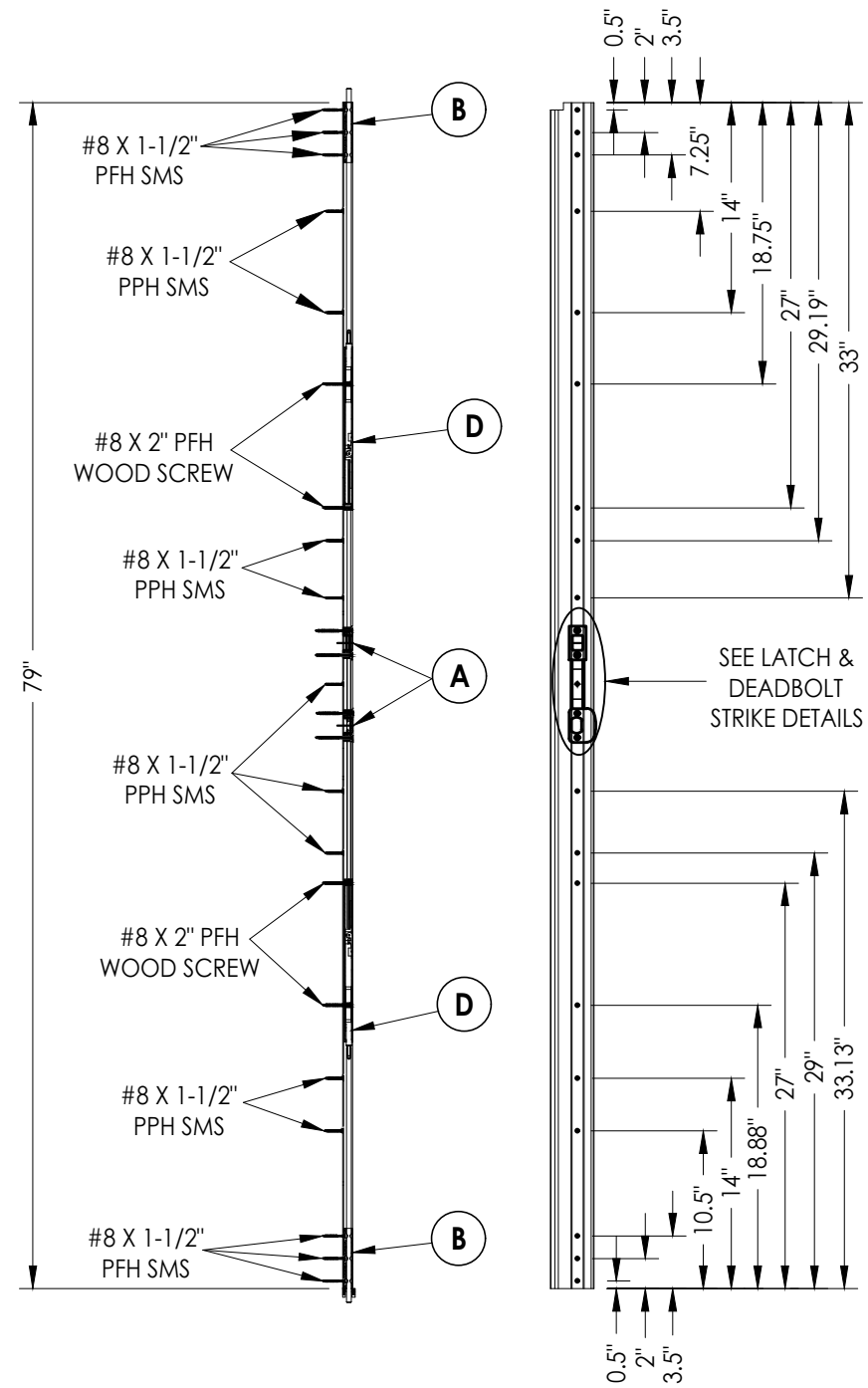
STANDARD ASTRAGAL ASSEMBLY



SLIDE LOCK FLUSHBOLT ASSEMBLY
STANDARD ASTRAGAL



D SLIDE LOCK FLUSHBOLT ASSEMBLY
HURRICANE ASTRAGAL



HURRICANE ASTRAGAL ASSEMBLY

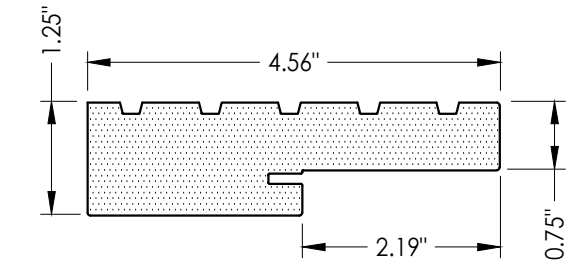
4	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS		
3	3/30/26	MANUFACTURER'S NAME CHANGE		LFS		
NO.	DATE			BY		
				REVISIONS		
DATE: 3/18/26						
SCALE: N.T.S.						
DWG. BY: LFS						
CHK. BY: RW						
DRAWING NO.: FL-29651.3						
SHEET 12 OF 13						

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

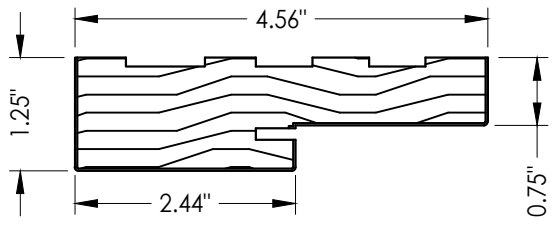
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 FBC Drawings\ODL, Inc\FL-29651 R3\FL-29651.1-3.dwg

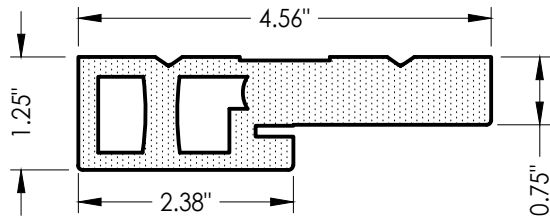
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" 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	#10 X 2" PFH WOOD SCREW	STEEL
L	#8 X 2-1/2" PFH WOOD SCREW	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB	COMP
2	FINGER JOINT PINE JAMB (G >= 0.42)	WOOD
3	COMPOSITE CAVITY JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	VINYL
10	#10 X 1" PFH WOOD SCREW	STEEL
11	4" X 4" BUTT HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
25	#8 X 1-1/2" PPH SMS	STEEL
30	INSWING THRESHOLD	ALUM/WOOD
31	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
32	OUTSWING THRESHOLD	ALUM/WOOD
33	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/WOOD
34	ASTRAGAL FLUSHBOLT STRIKE PLATE	STEEL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR DETAILS	-



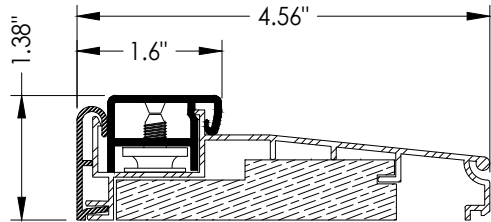
1 **COMPOSITE JAMB**
WORLDWIDE 4EVER JAMB



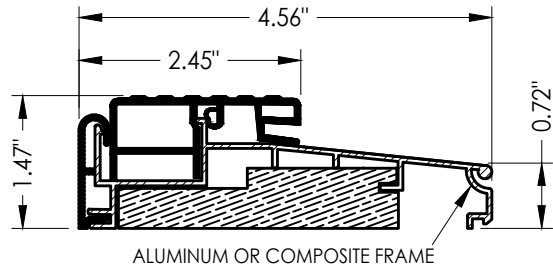
2 **FINGER JOINT PINE JAMB**



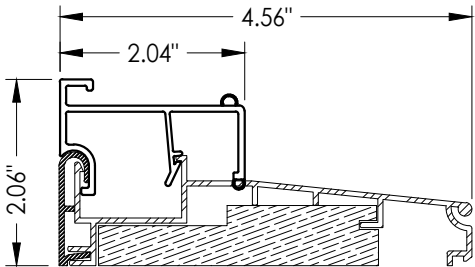
3 **COMPOSITE CAVITY JAMB**
WORLDWIDE 4EVER JAMB



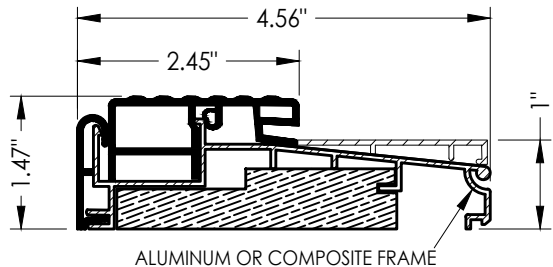
30 **INSWING THRESHOLD**
WORLDWIDE



32 **OUTSWING THRESHOLD**
WORLDWIDE



31 **INSWING THRESHOLD w/ SIDELITE ADAPTER**
WORLDWIDE



33 **INSWING THRESHOLD w/ SIDELITE ADAPTER**
WORLDWIDE

Documents Prepared By:
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P.E. No. 43409

BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

RW

PRODUCT:		ODL, INC. STEEL DOOR		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
				LFS	
				LFS	
				BY	
				REVISIONS	
				4	7/02/26
				UPDATE TO 9TH ED. (2026)	FBC
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				MANUFACTURER'S NAME CHANGE	
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DRAWING NO.: FL-29651.3					
SHEET 13 OF 13					