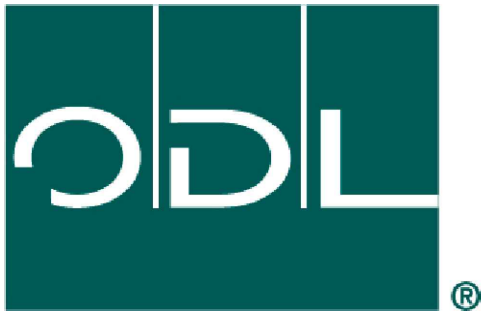




ODL, Inc.

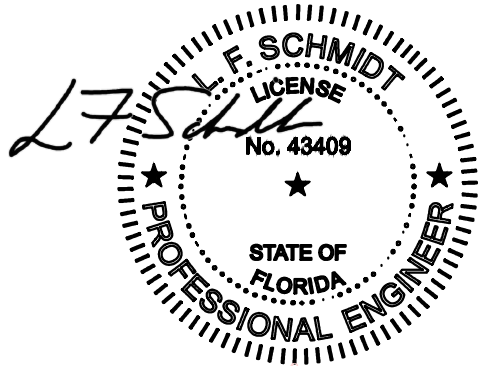
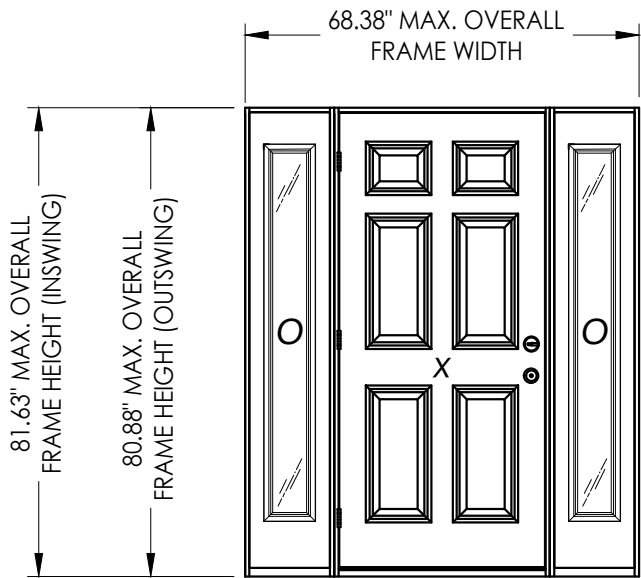
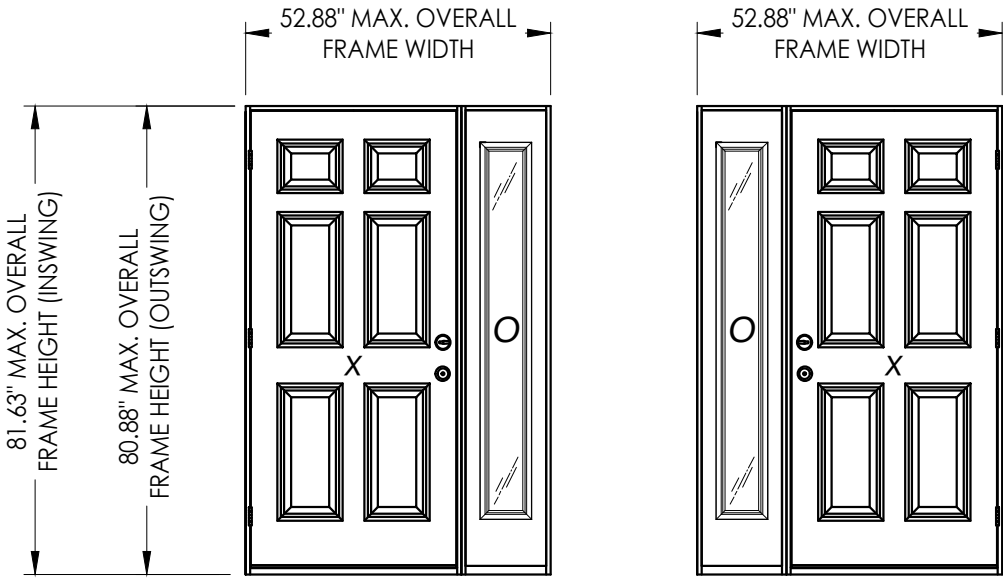
**OPAQUE STEEL ENTRY DOOR
SINGLE w/ SIDELITES(S)**

**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 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	Bill of Materials & Components



Digitally signed by Lyndon F Schmidt
Date: 2026.03.31 07:43:53 -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.

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX/XO	52.88" x 81.63"	+40.0	-45.0	+40.0	-40.0
OXO	68.38" x 81.63"	+40.0	-45.0	+40.0	-40.0

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

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-29651.2

SHEET 1 OF 12

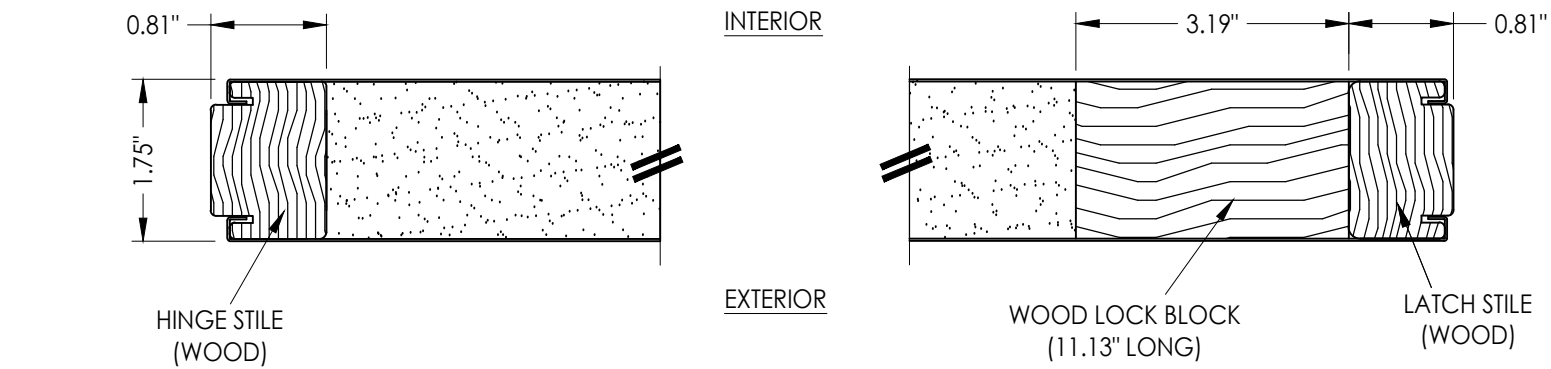
REVISIONS

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

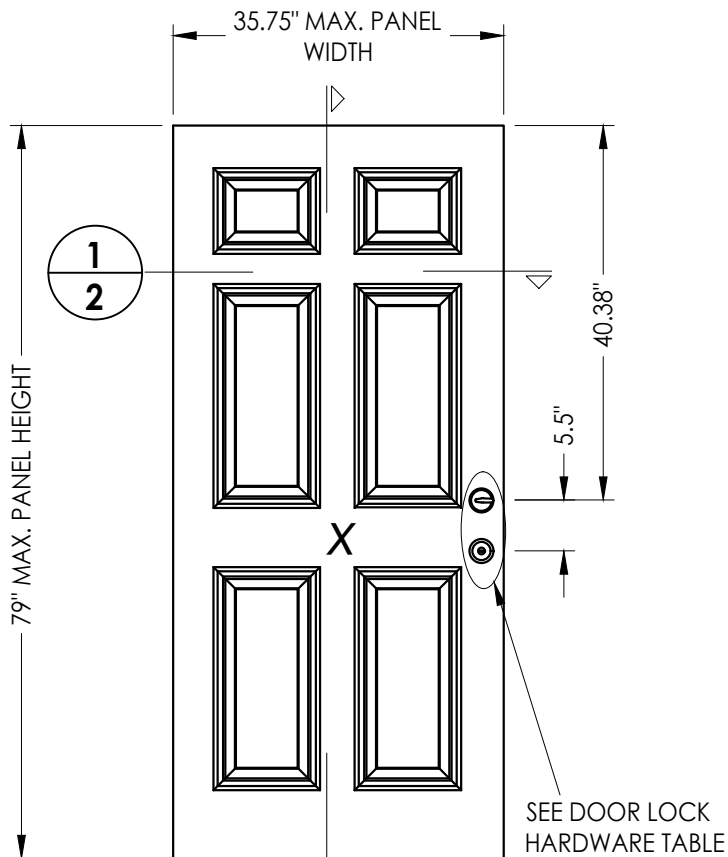
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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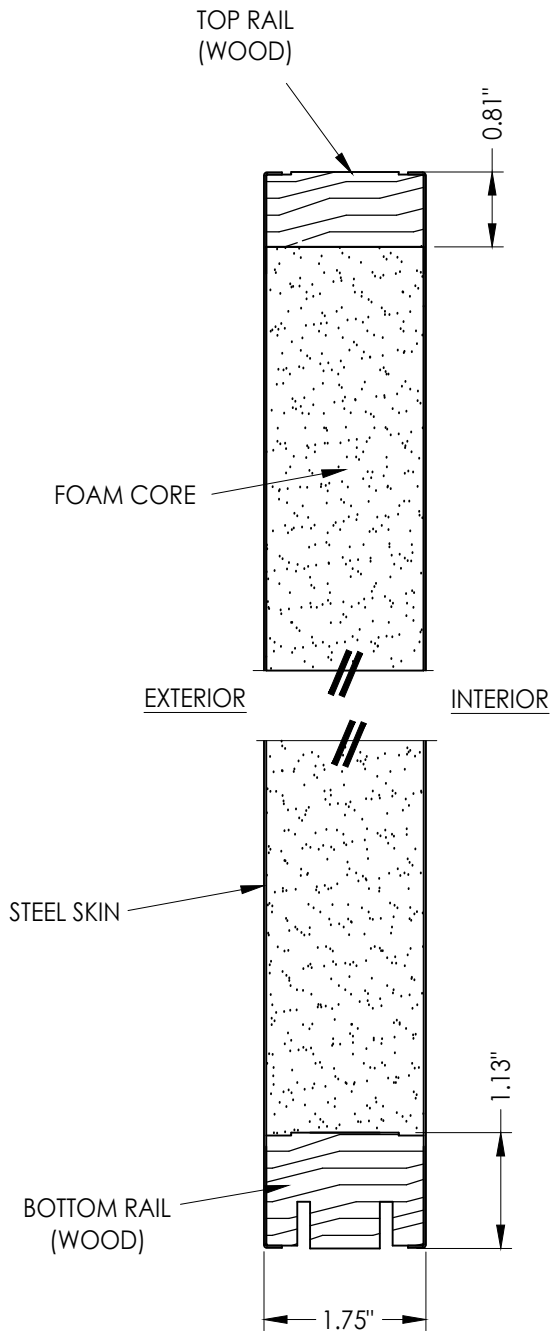
1
2 **HORIZONTAL CROSS SECTION**



2
2 **STEEL DOOR PANEL**
ODL, INC.

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

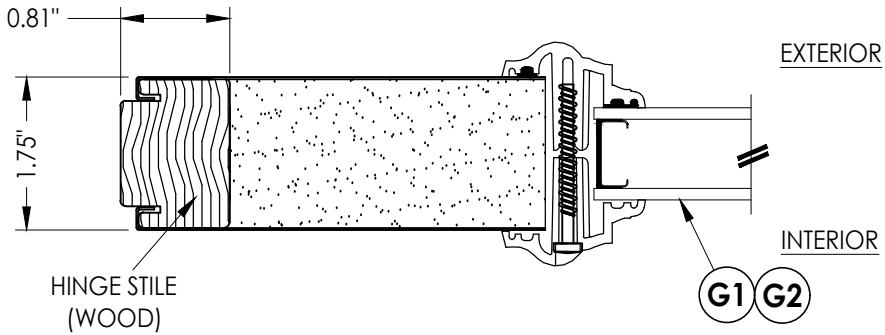
HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (780)
SCHLAGE	Knob:	F-SERIES (F51)
	DEADBOLT:	B-SERIES (B60)



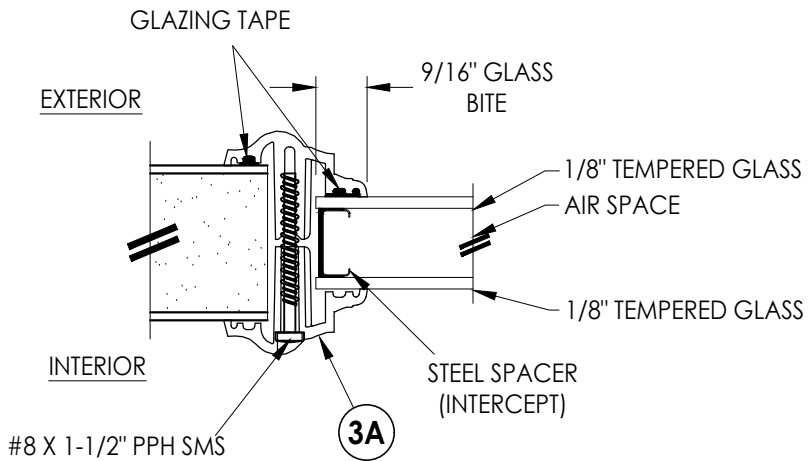
2
2 **VERTICAL CROSS SECTION**

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: DOOR PANEL DETAILS		
				LFS	BY
				MANUFACTURER'S NAME CHANGE	
			3	3/30/26	NO. DATE
					REVISIONS
DATE: 3/18/26					
SCALE: N.T.S.					
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-29651.2					
SHEET 2 OF 12					

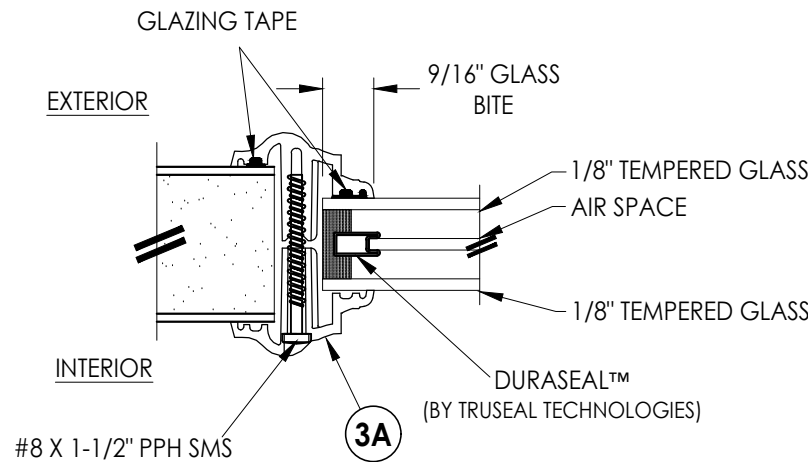
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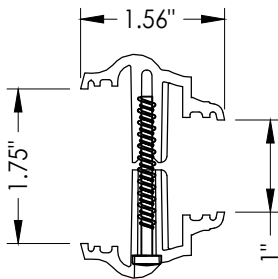
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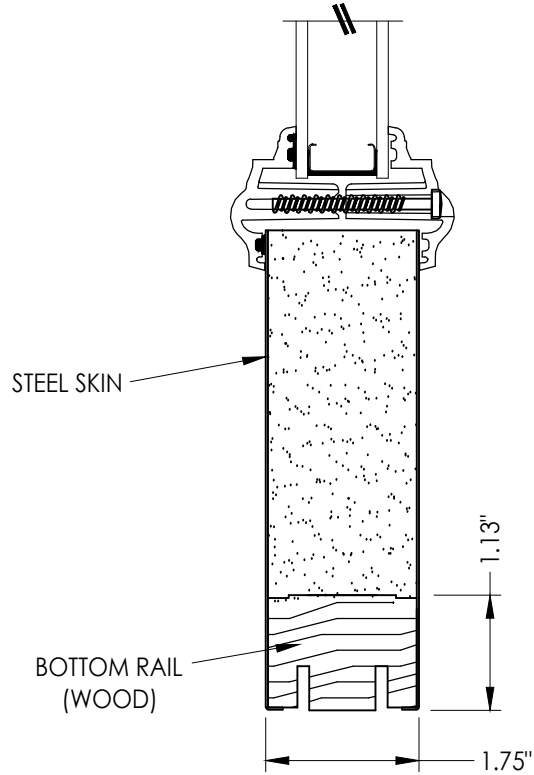
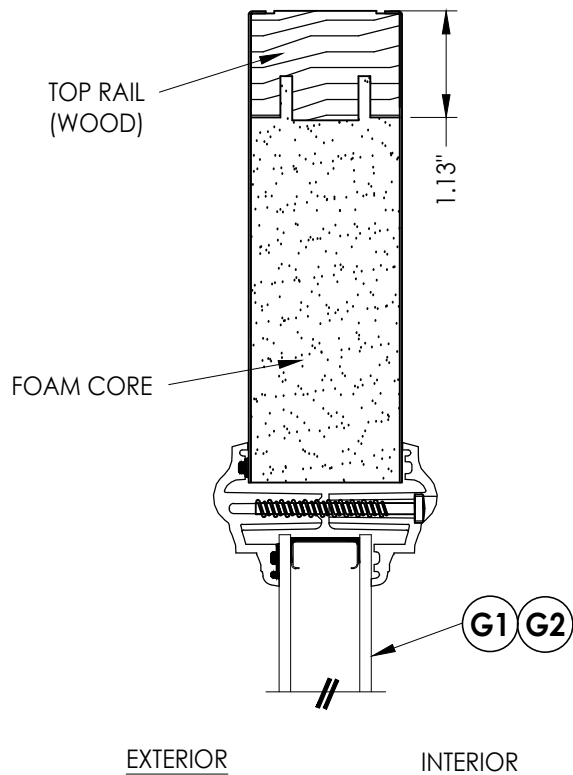
G1 **GLAZING DETAIL**
ODL LITE FRAME



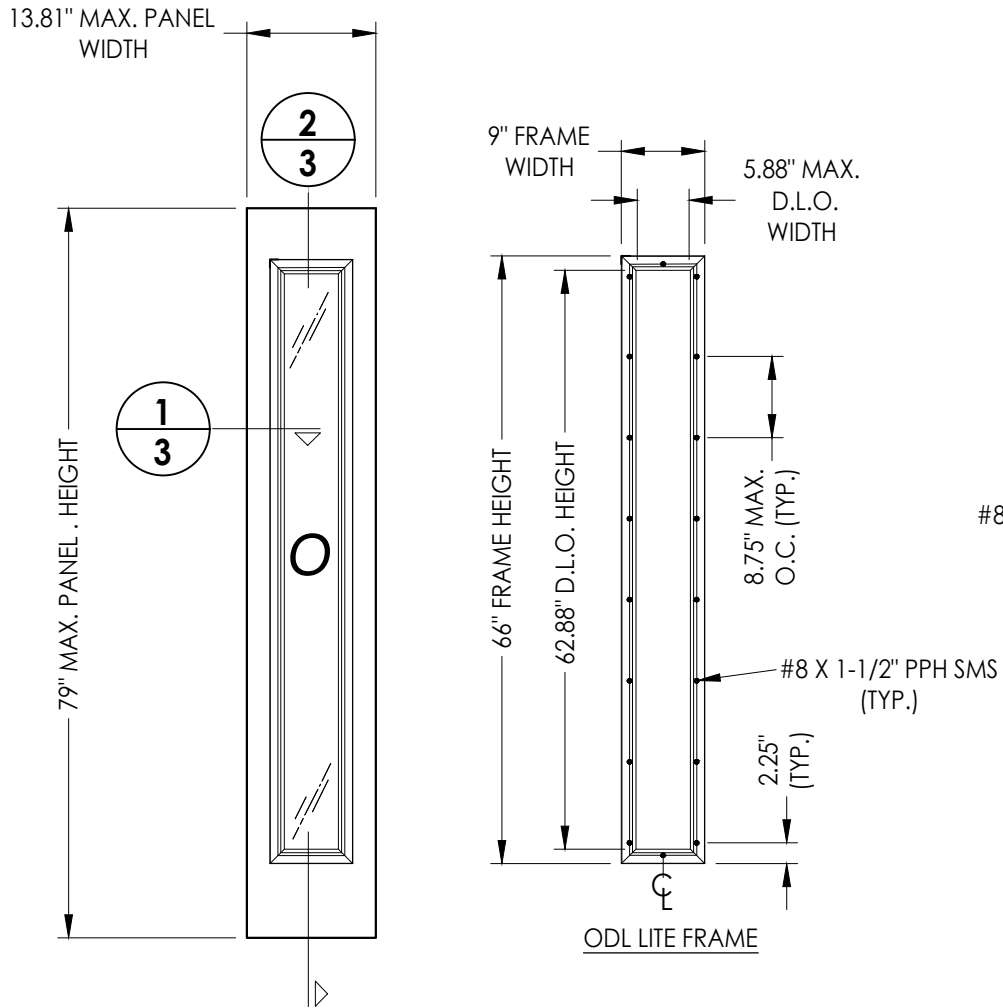
G2 **GLAZING DETAIL**
ODL LITE FRAME



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



2
3 **VERTICAL CROSS SECTION**



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

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	MANUFACTURER'S NAME CHANGE	BY
3	3/30/26		LFS

DATE: 3/18/26

SCALE: N.T.S.

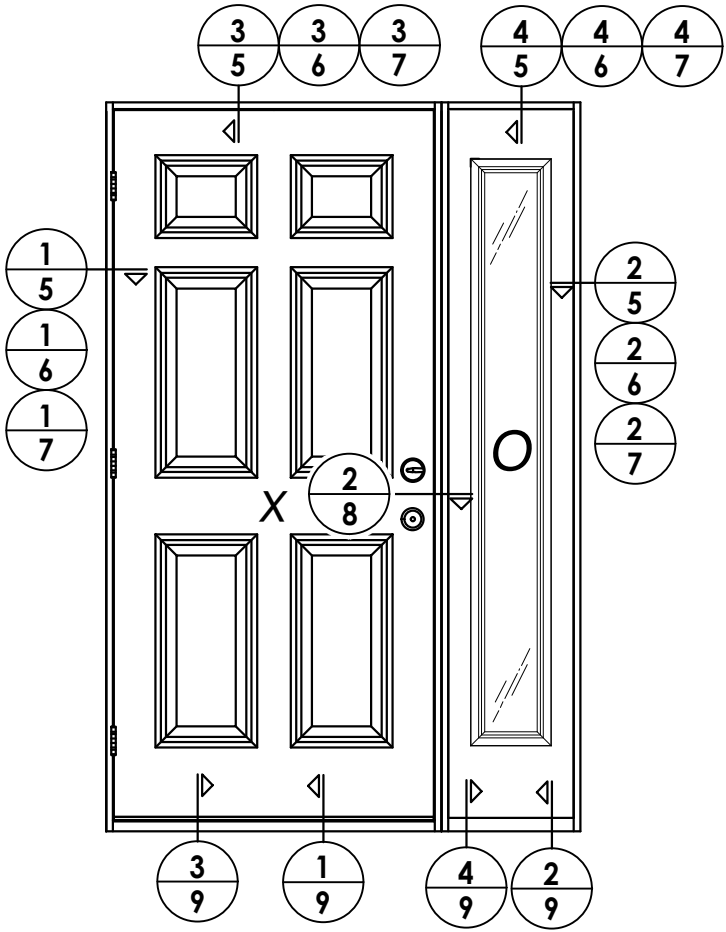
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CHK. BY: RW

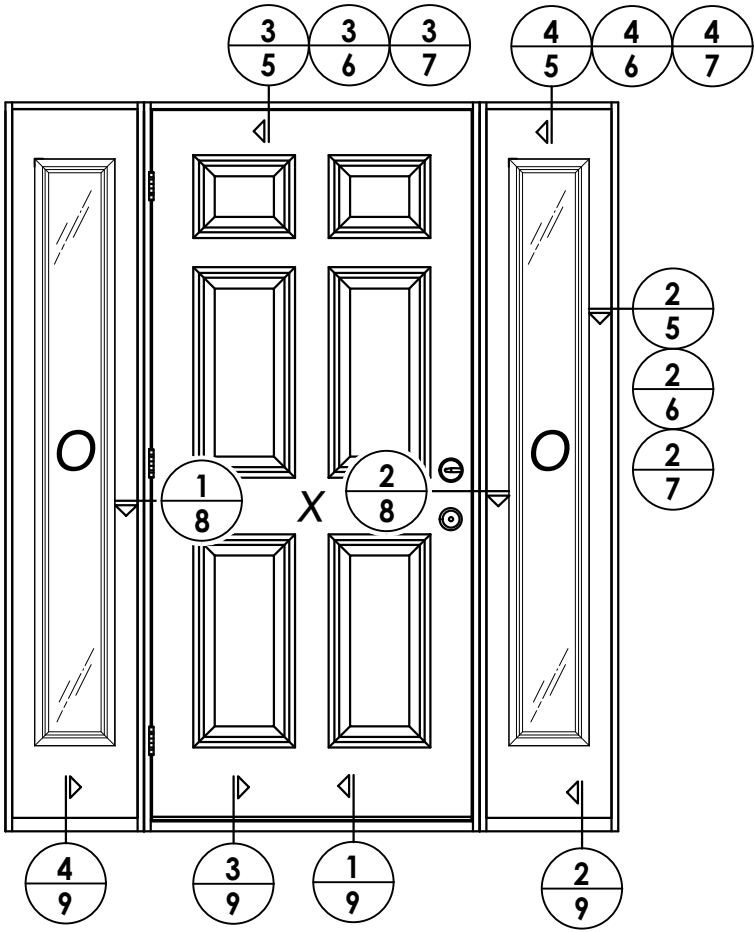
DRAWING NO.:

FL-29651.2

SHEET 3 OF 12



ELEVATION
XO / OX



ELEVATION
OXO

DATE: 3/18/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-29651.2

SHEET 4 OF 12

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

PRODUCT:

ODL, INC.
STEEL DOOR

PART OR ASSEMBLY:

ELEVATIONS

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

RW

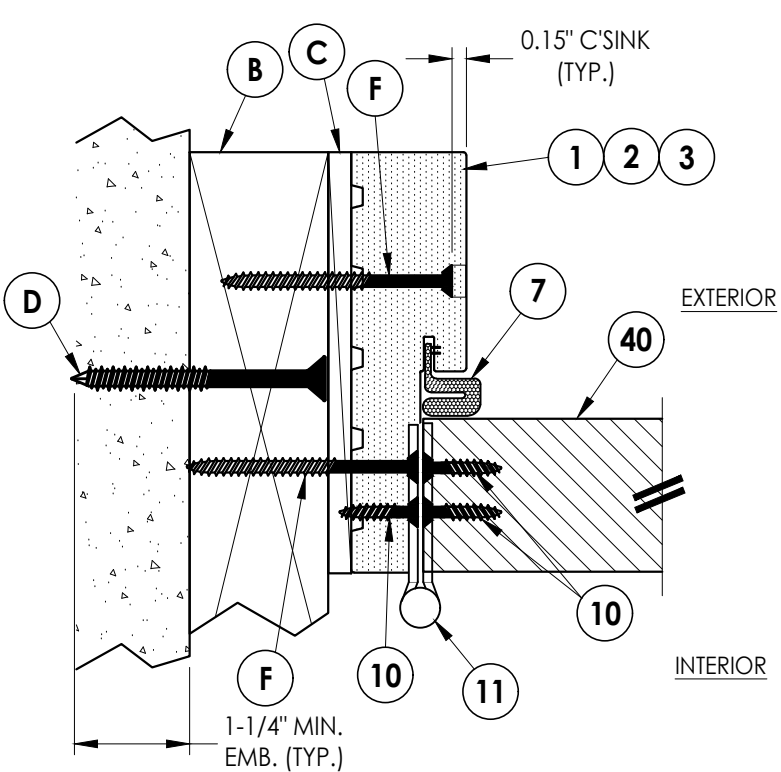
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

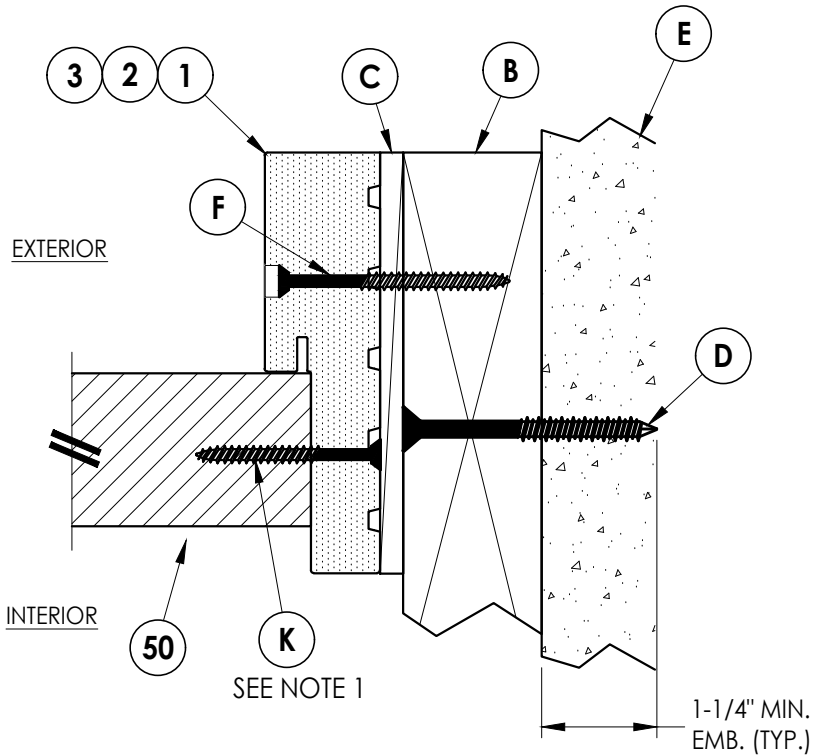
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FBPE Registry No. 9813

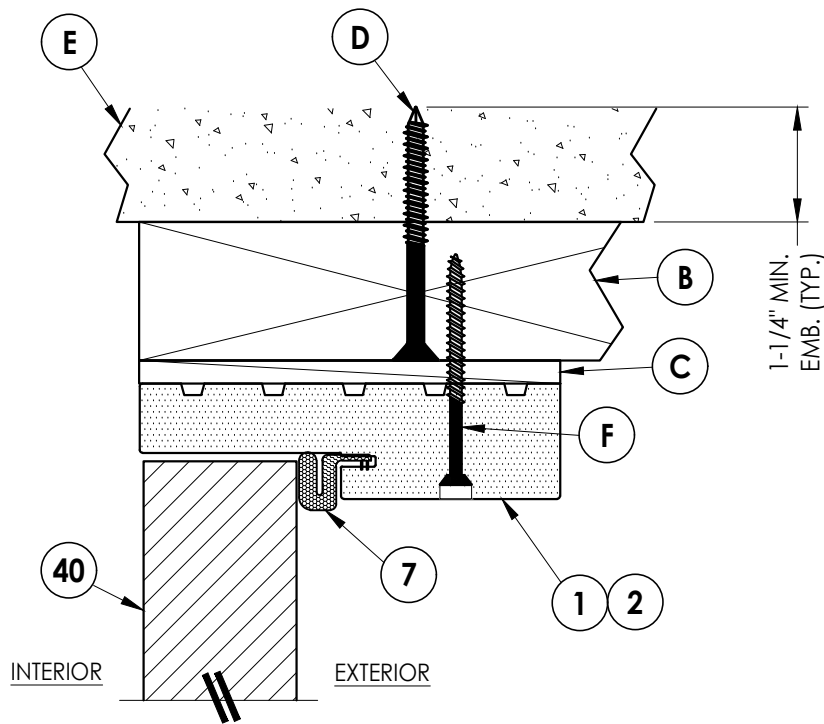
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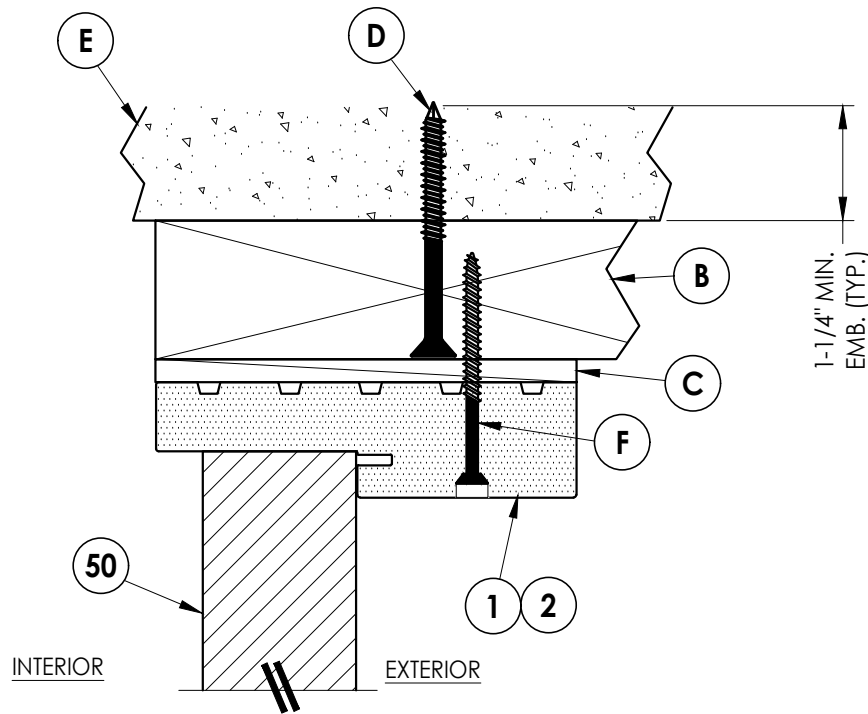
1
5 **HORIZONTAL CROSS SECTION**
Inswing Shown (Outswing Similar)
2X Buck Construction



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



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



4
5 **VERTICAL CROSS SECTION**
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

RW

PRODUCT:
ODL, INC.
STEEL DOOR

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

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

DATE: 3/18/26

SCALE: N.T.S.

DWG. BY: LFS

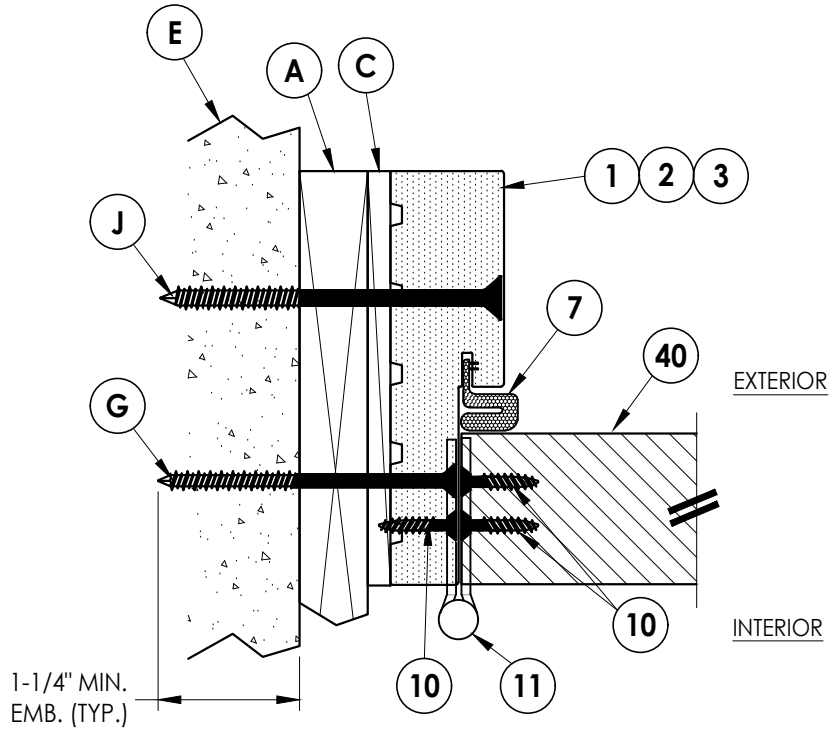
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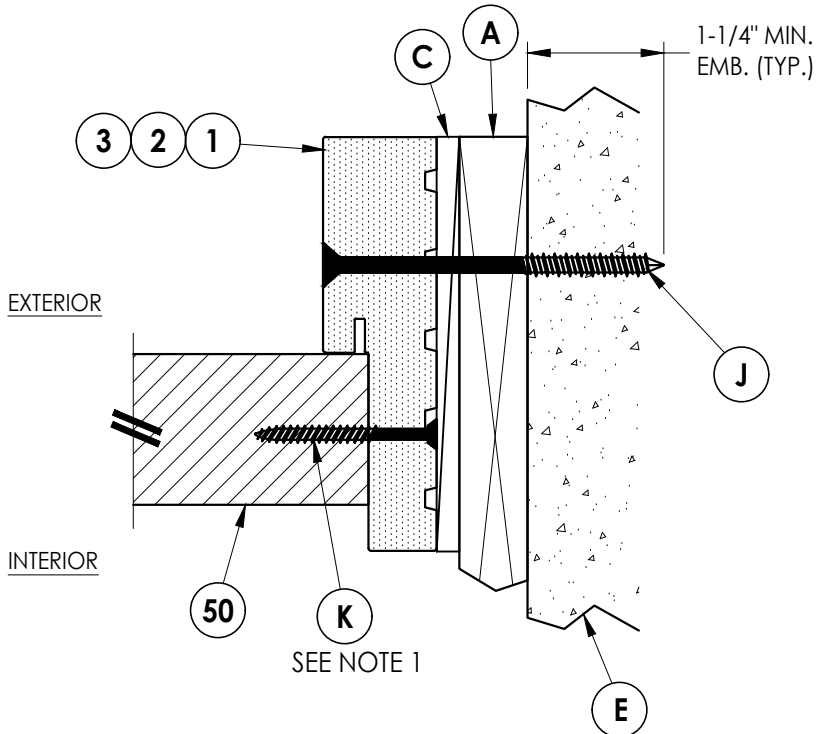
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SHEET 5 OF 12

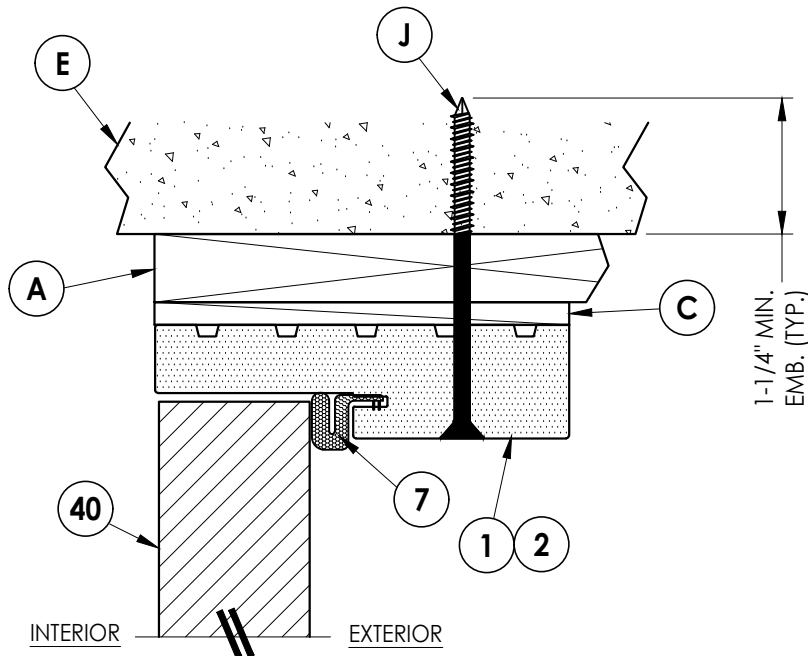
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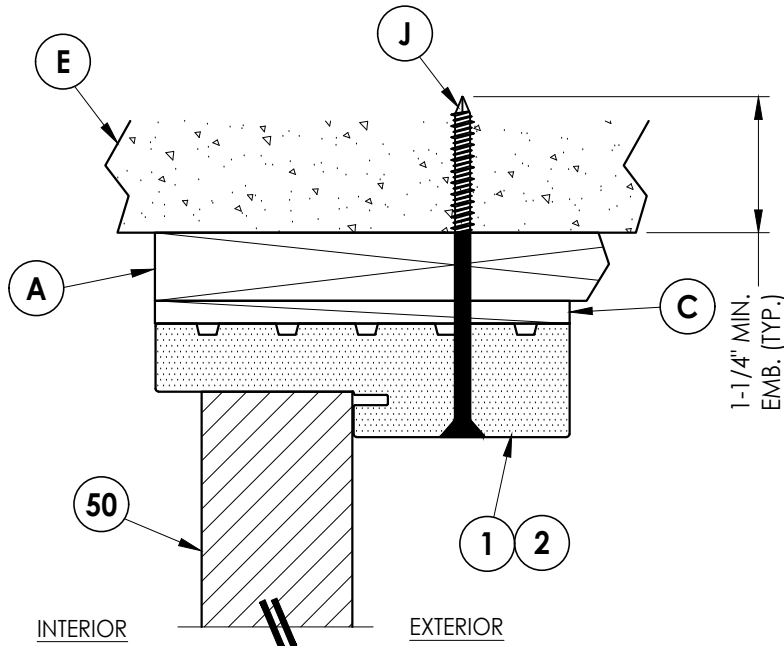
1 **HORIZONTAL CROSS SECTION**
6 Inswing Shown (Outswing Similar)
1X Buck Construction



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:

- 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	MANUFACTURER'S NAME CHANGE	LFS	BY
3	3/30/26			

REVISIONS

DATE: 3/18/26

SCALE: N.T.S.

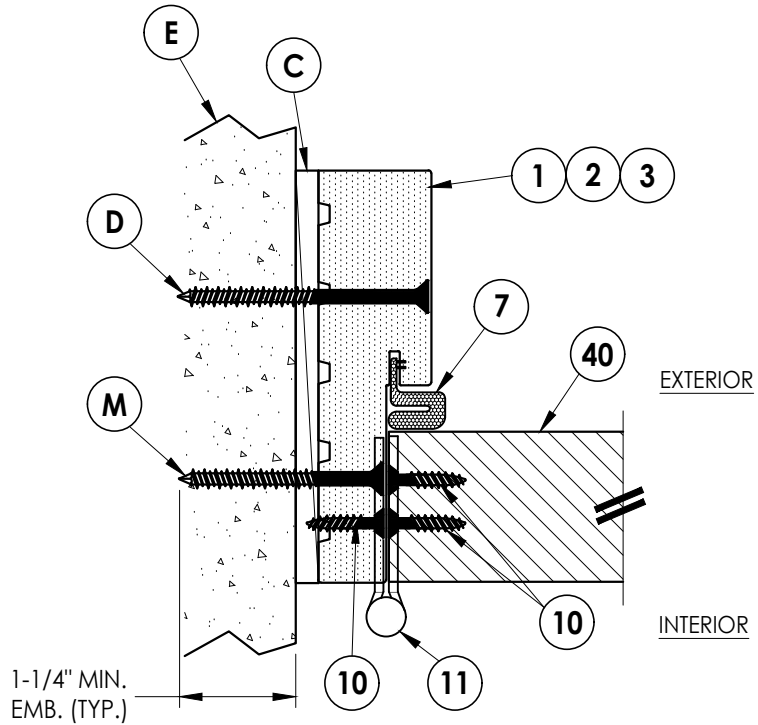
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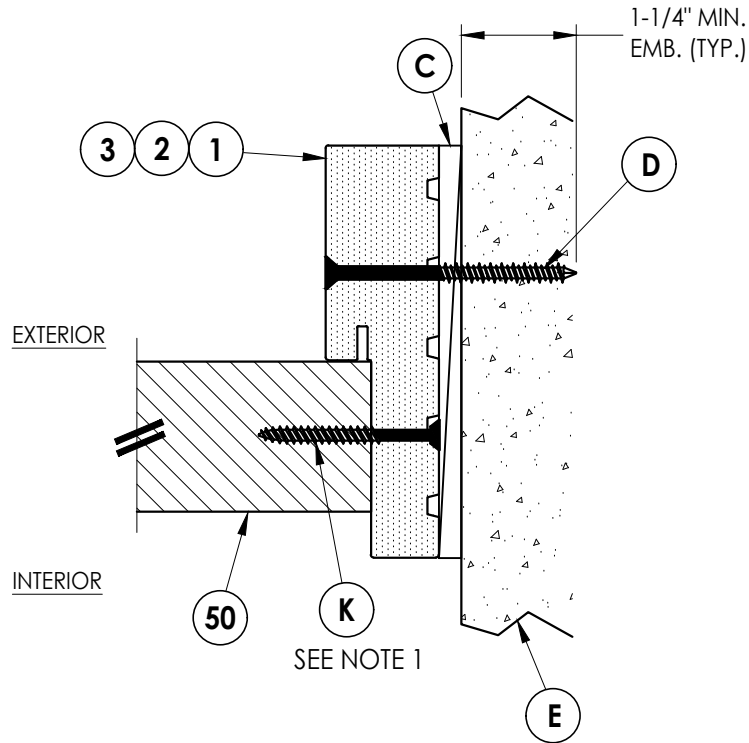
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SHEET 6 OF 12

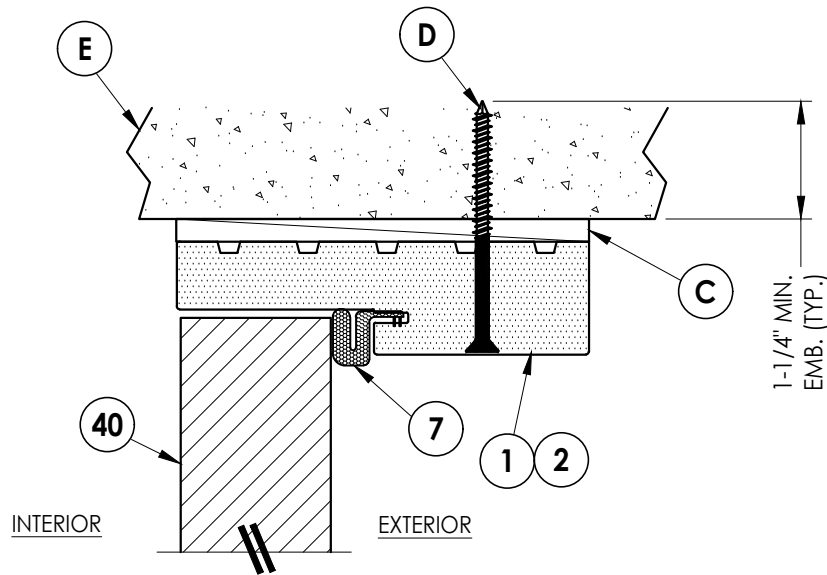
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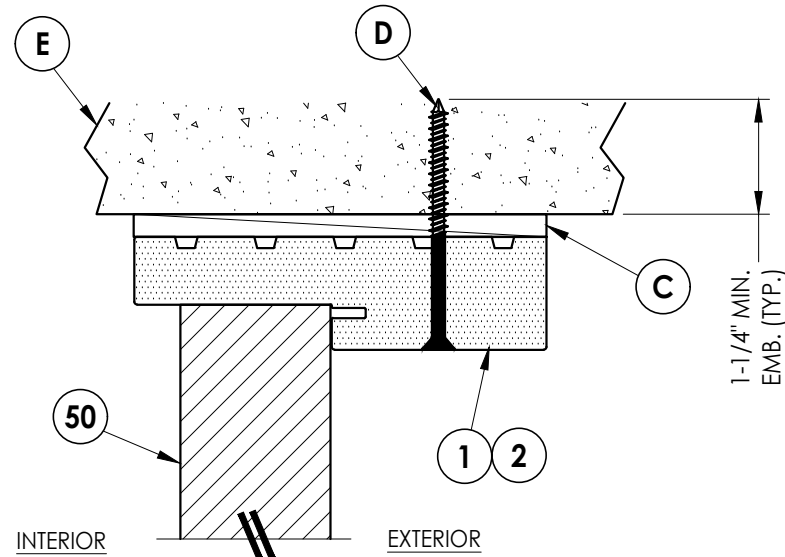
1
7 **HORIZONTAL CROSS SECTION**
Inswing Shown (Outswing Similar)
Shown Direct to Masonry



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

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

RW

PRODUCT: **ODL, INC.
STEEL DOOR**

PART OR ASSEMBLY:
**HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)**

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

DATE: 3/18/26

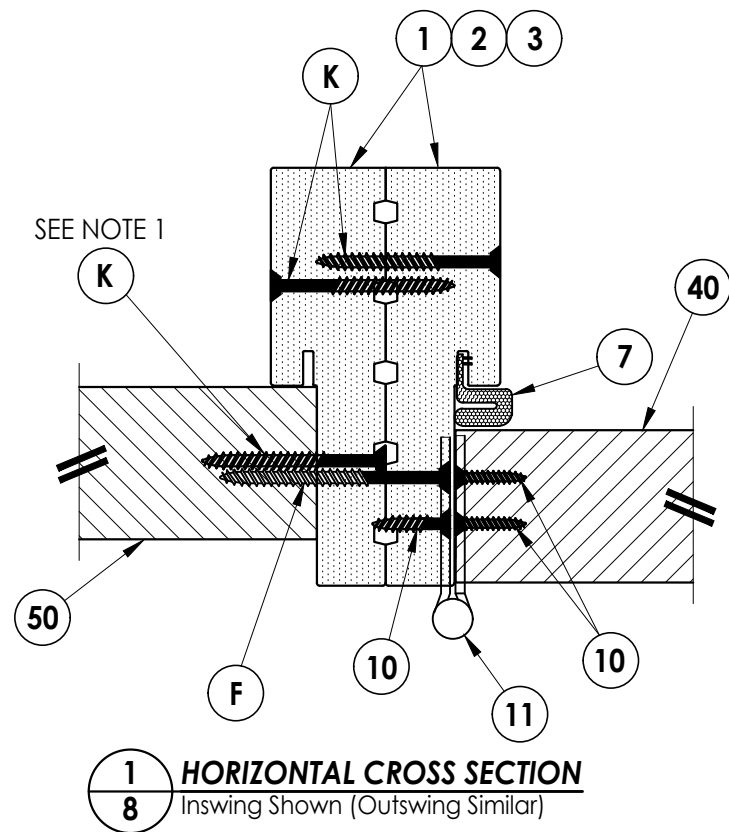
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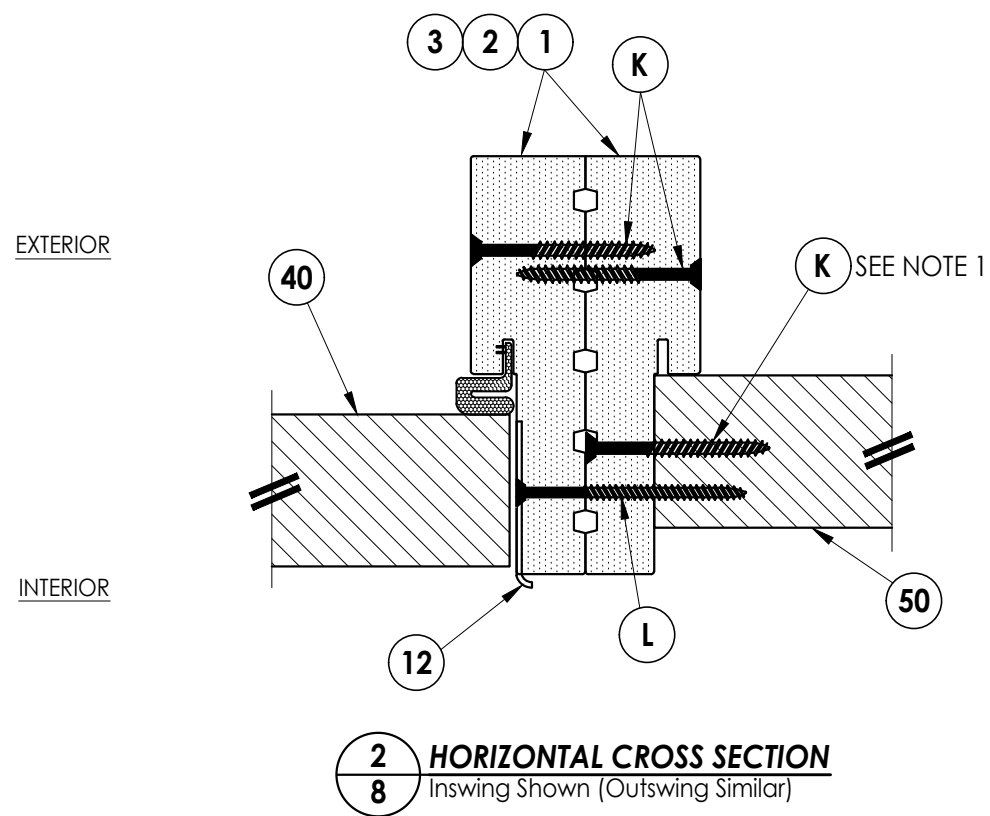
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DRAWING NO.: FL-29651.2

SHEET 7 OF 12

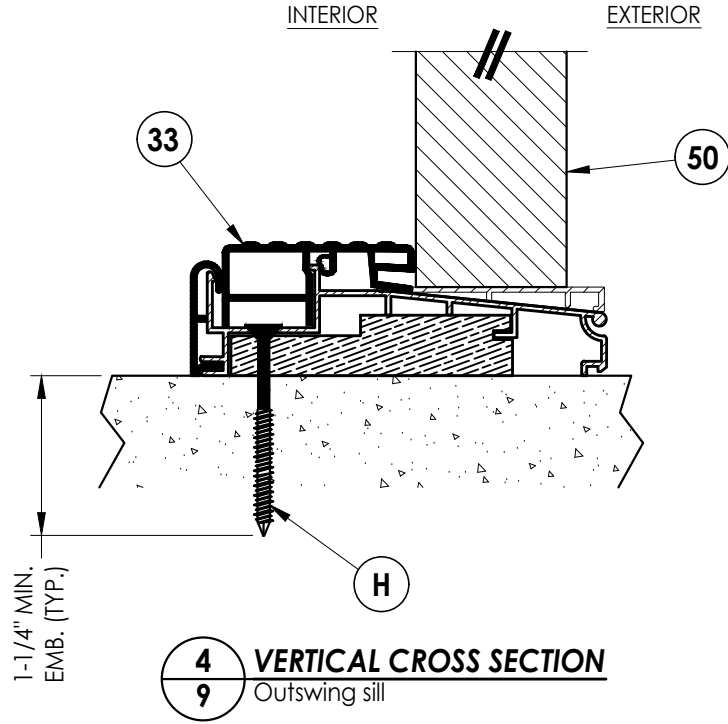
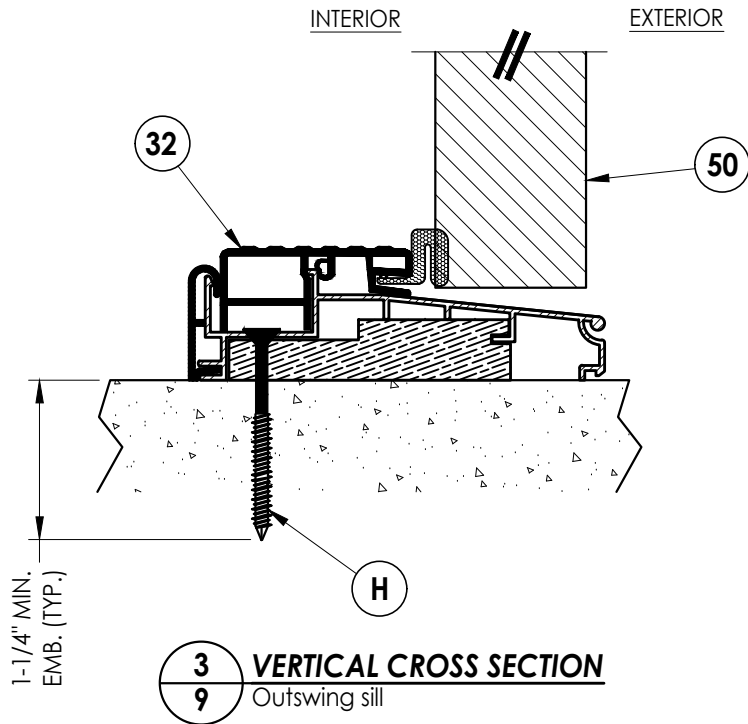
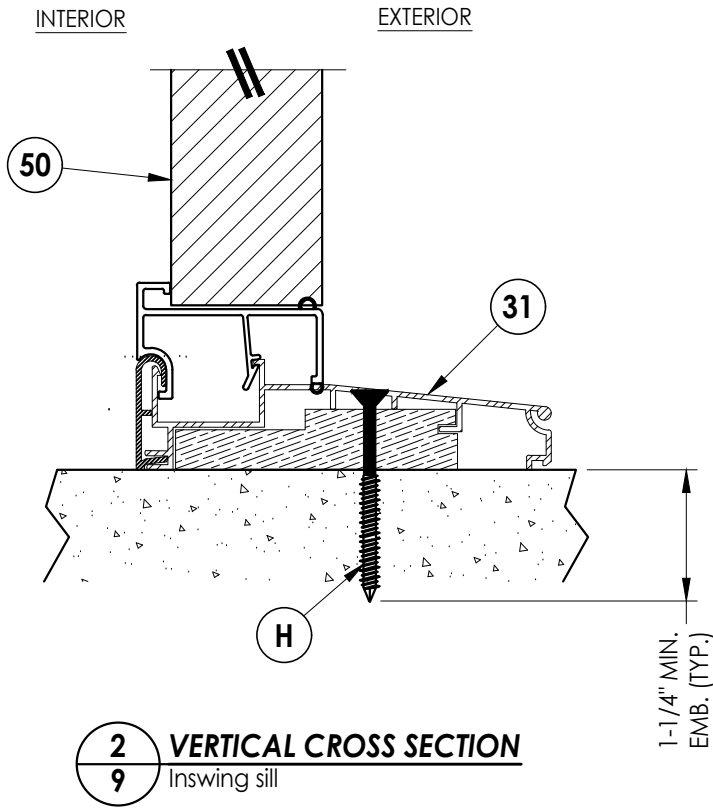
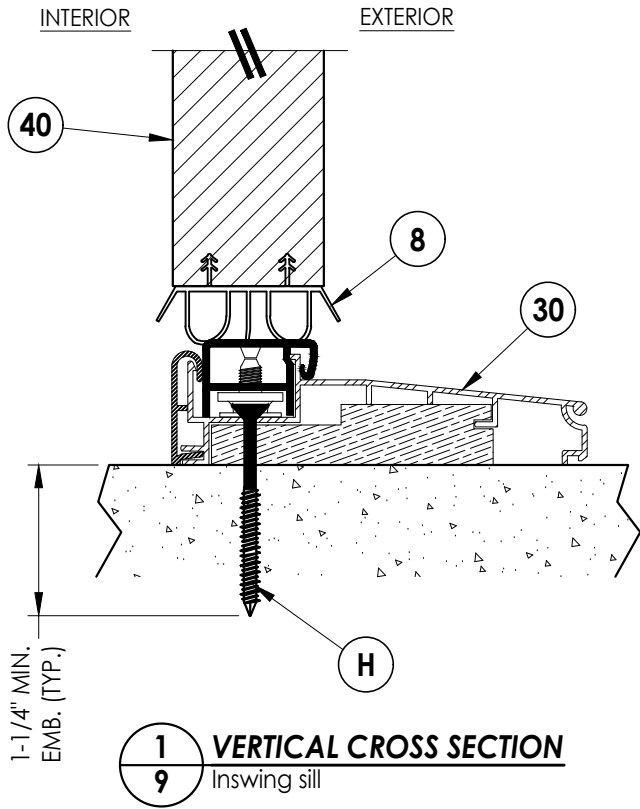


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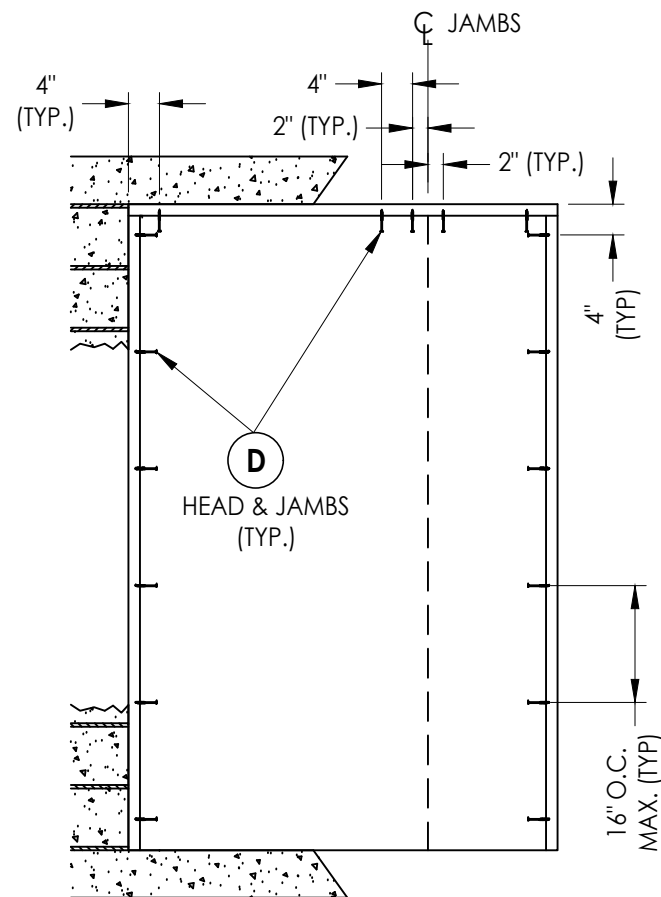
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

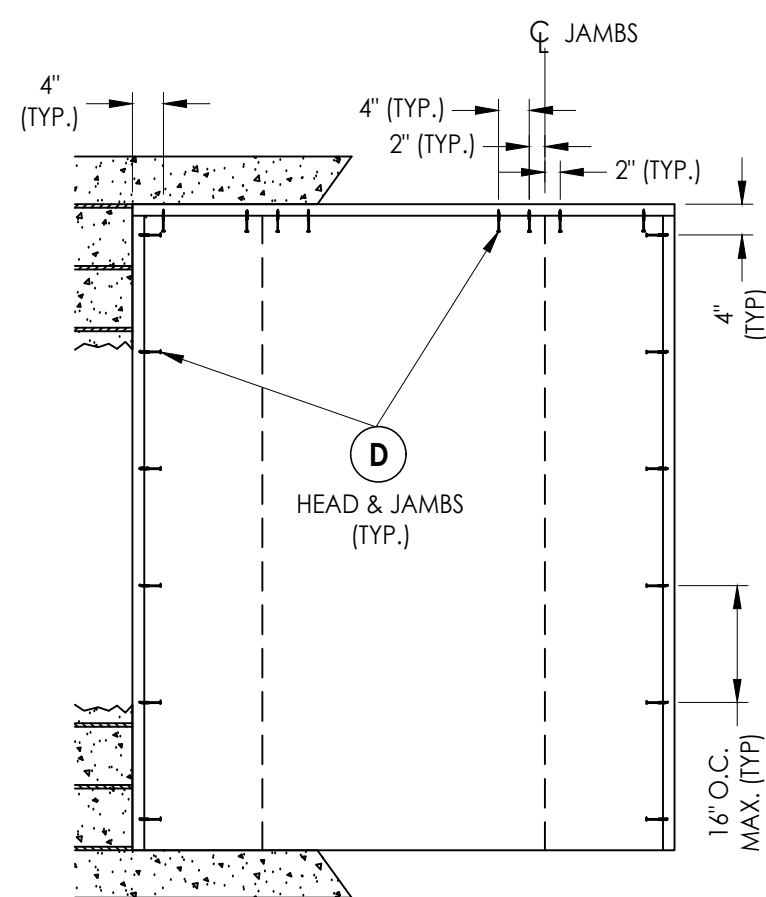
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Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ODL, INC. STEEL DOOR				PART OR ASSEMBLY: VERTICAL CROSS SECTIONS			
					LFS	BY	
					MANUFACTURER'S NAME CHANGE		
				3	3/30/26	DATE	
				REVISIONS			
DATE: 3/18/26							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-29651.2							
SHEET 9 OF 12							



XO / OX



OXO

2X BUCK ANCHORING

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 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:

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

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

DATE: 3/18/26

SCALE: N.T.S.

DWG. BY: *LFS*

CHK. BY: RW

DRAWING NO.:	
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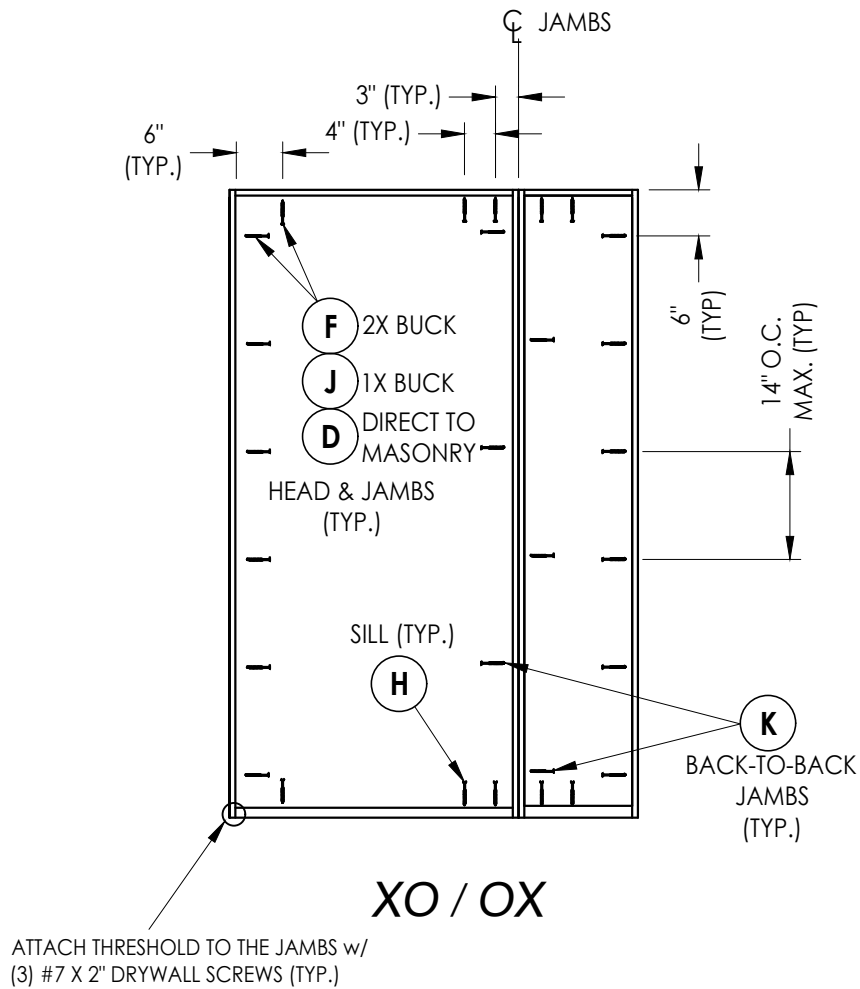
FL-29651.2

SHEET 10 OF 12

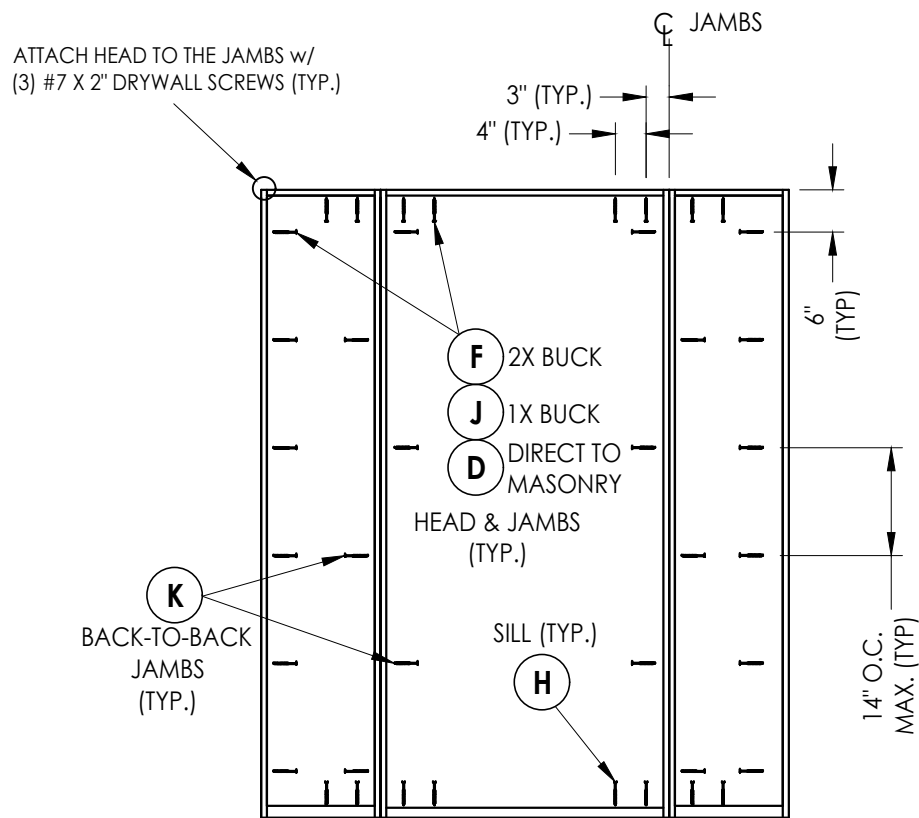
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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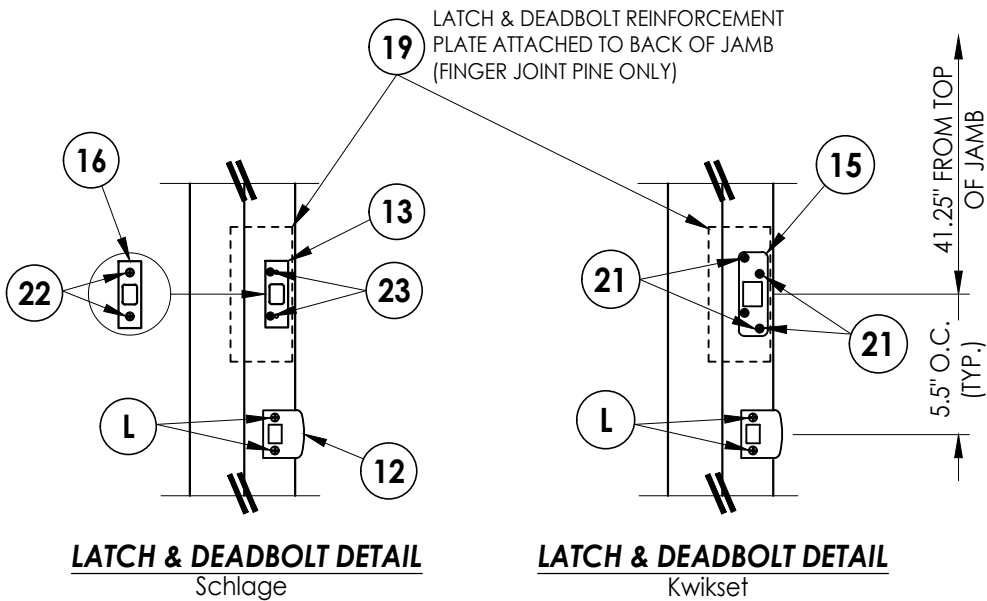


XO / OX

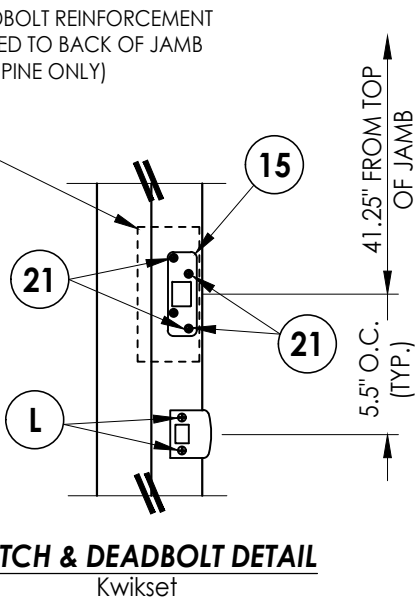


OXO

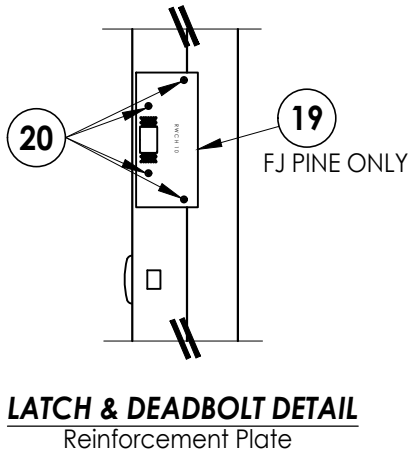
FRAME ANCHORING



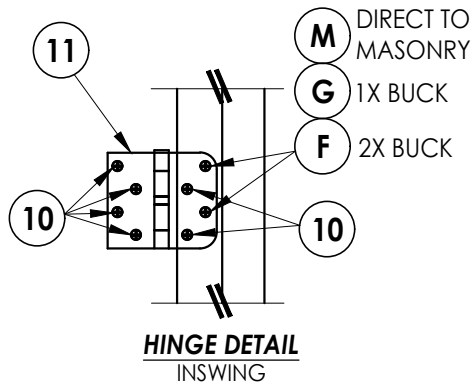
LATCH & DEADBOLT DETAIL
Schlage



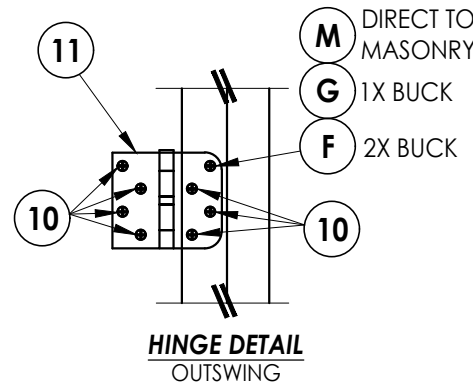
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Kwikset



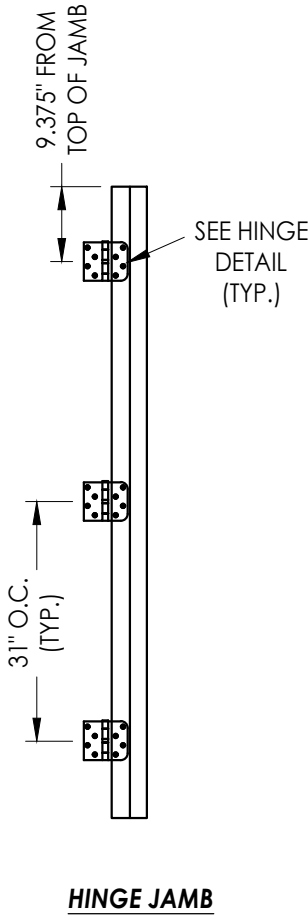
LATCH & DEADBOLT DETAIL
Reinforcement Plate



HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING



HINGE 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

RW

PRODUCT:
ODL, INC.
STEEL DOOR

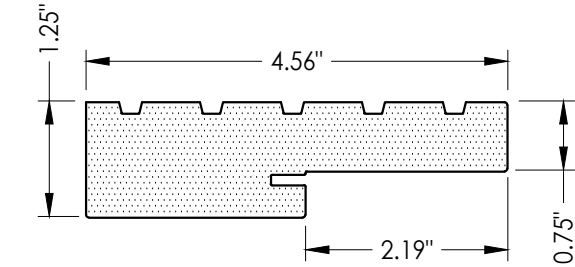
PART OR ASSEMBLY:
FRAME ANCHORING
& HARDWARE DETAILS

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

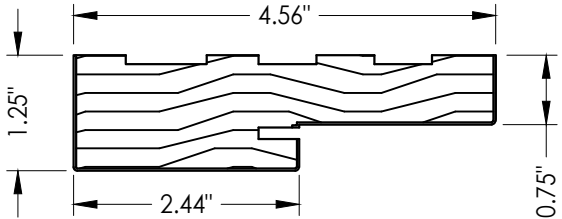
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SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-29651.2
SHEET 11 OF 12

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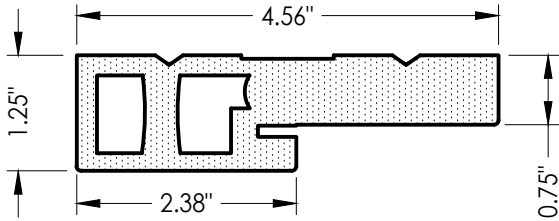
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" 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
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
15	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
16	DEADBOLT STRIKE BACK PLATE (SCHLAGE)	STEEL
19	LATCH & DEADBOLT REINFORCEMENT PLATE (4" X 8" - 16 GA. STEEL PLATE)	STEEL
20	#8 X 1/2" SD PH SMS	STEEL
21	#10 X 3" PFH SMS	STEEL
22	#10 X 3/4" FH SMS	STEEL
23	#12 X 2-1/2" PFH WOOD SCREW	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
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR DETAILS	-



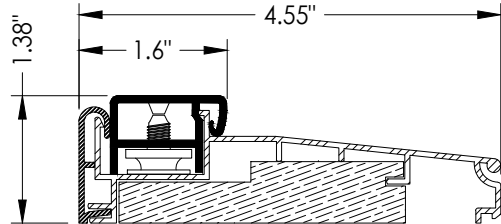
1 **COMPOSITE JAMB**
WORLDWIDE 4EVER JAMB



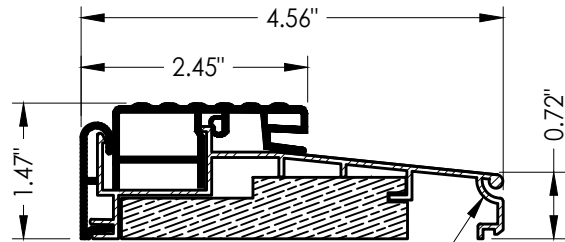
2 **FINGER JOINT PINE JAMB**



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

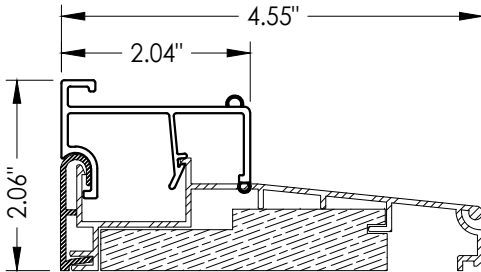


30 **INSWING THRESHOLD**
WORLDWIDE

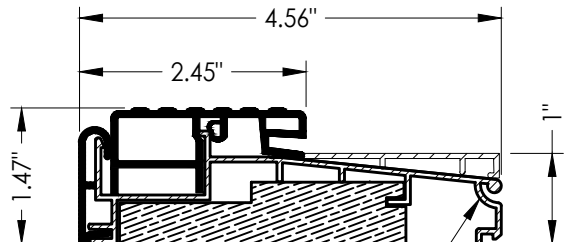


ALUMINUM OR COMPOSITE FRAME

32 **OUTSWING THRESHOLD**
WORLDWIDE



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



ALUMINUM OR COMPOSITE FRAME

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

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FBPE Registry No. 9813

RW

PRODUCT:
ODL, INC.
STEEL DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

DATE: 3/18/26
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-29651.2
SHEET 12 OF 12