

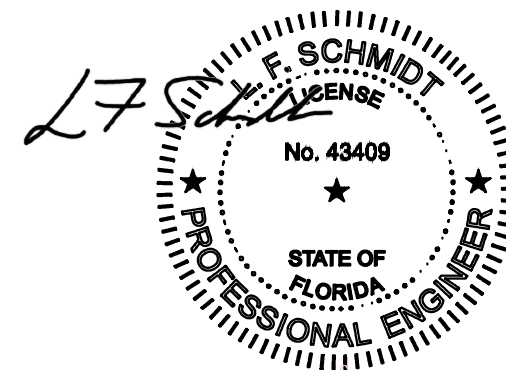
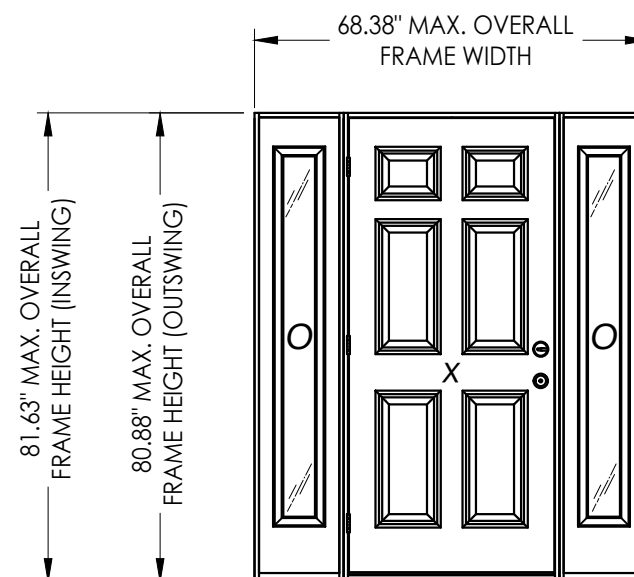


**OPAQUE STEEL ENTRY DOOR
SINGLE w/ SIDELITES(S)**

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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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 07:47:49 -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

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ODL, INC.
STEEL DOOR

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

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

DATE: 3/18/26

SCALE: *N.T.S.*

DWG. BY: *LFS*

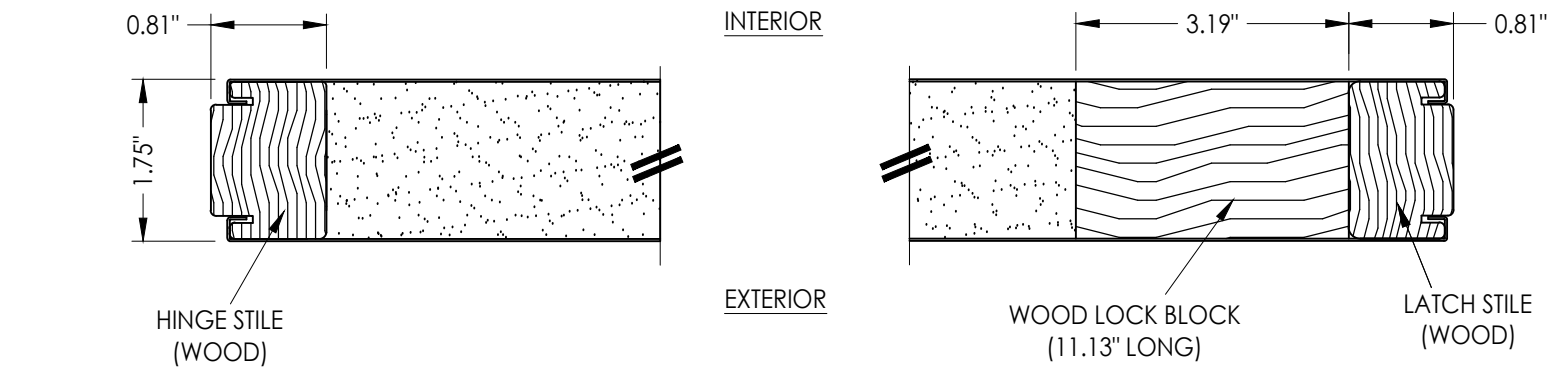
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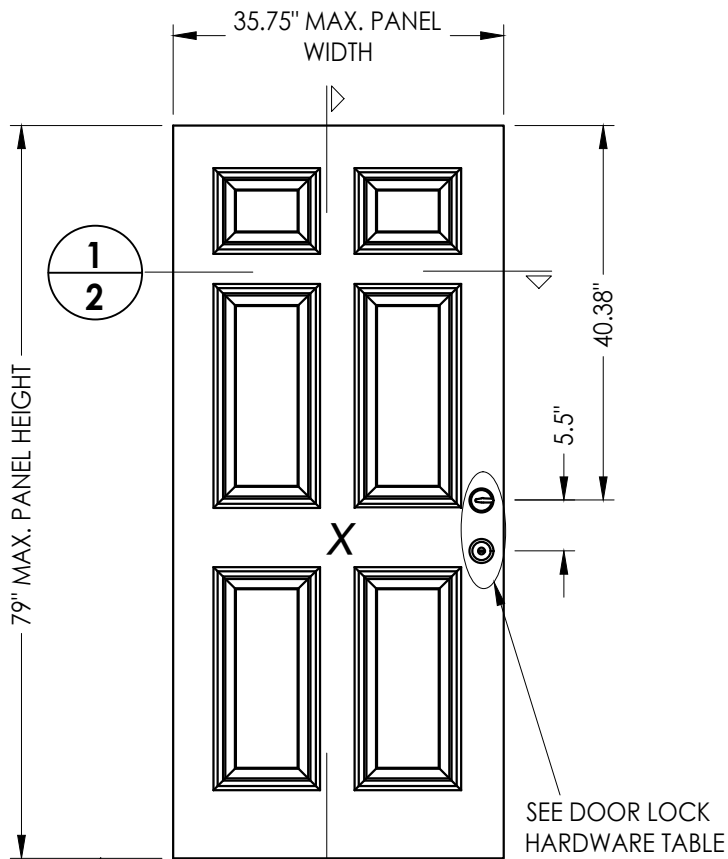
FL-29651.8

SHEET 1 OF 12

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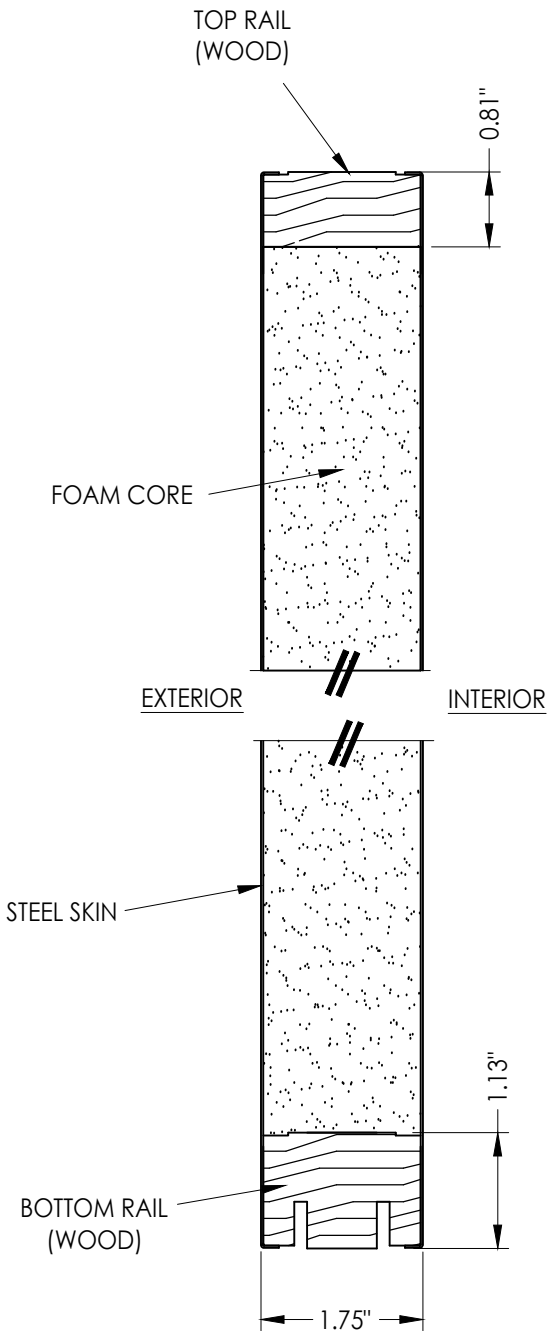
1
2 **HORIZONTAL CROSS SECTION**



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**

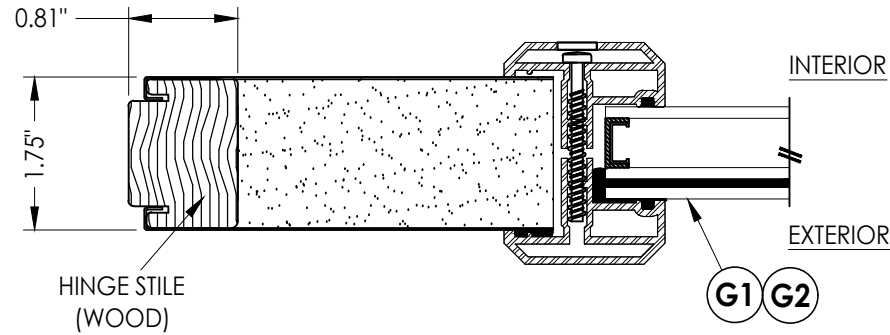
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

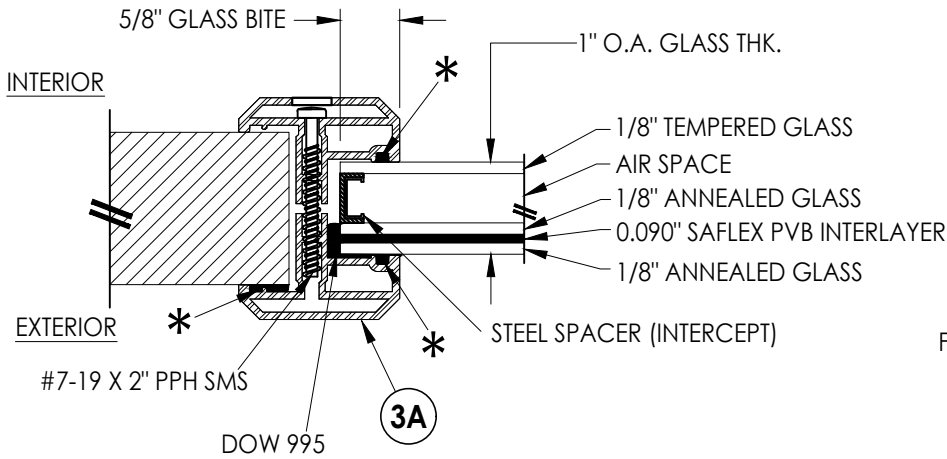
RW

PRODUCT:		PART OR ASSEMBLY:	
ODL, INC. STEEL DOOR		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-29651.8			
SHEET 2 OF 12			

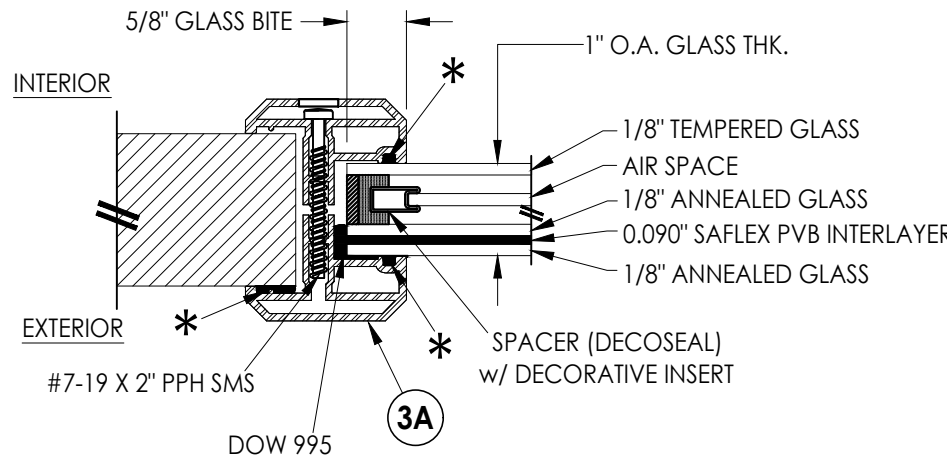
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1
3 **HORIZONTAL CROSS SECTION**

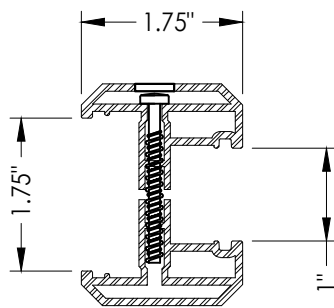


G1 **GLAZING DETAIL**
ODL LITE FRAME

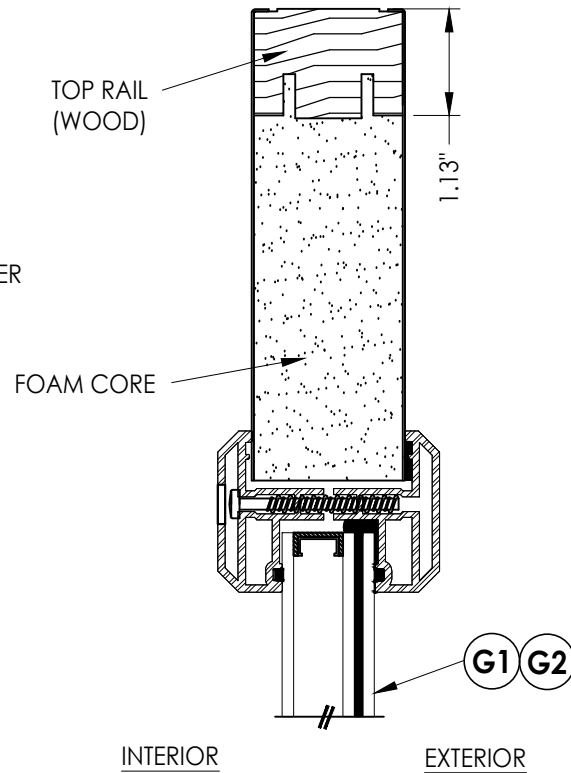


G2 **GLAZING DETAIL**
ODL LITE FRAME

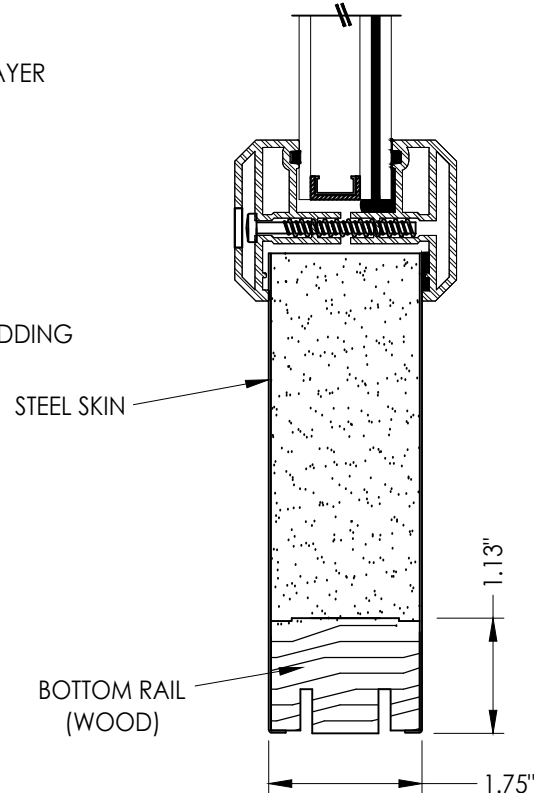
* NON-STRUCTURAL BACKBEDDING
(READI-SEAL)



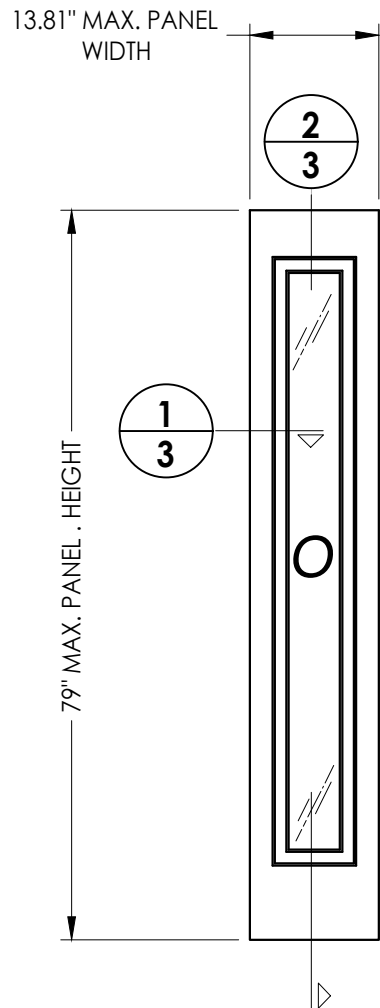
3A **ODL LITE FRAME**
ALUMINUM "FLAT FRAME"



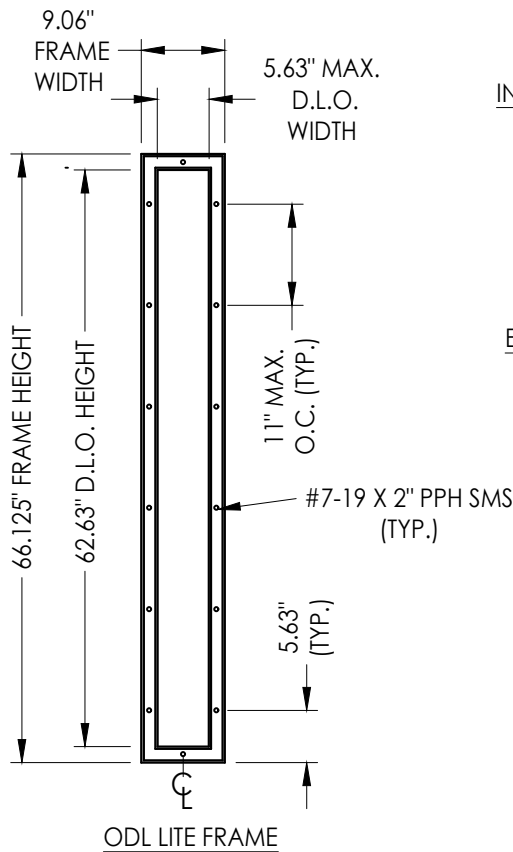
INTERIOR EXTERIOR



2
3 **VERTICAL CROSS SECTION**



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



ODL LITE FRAME

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.

DWG. BY: LFS

CHK. BY: RW

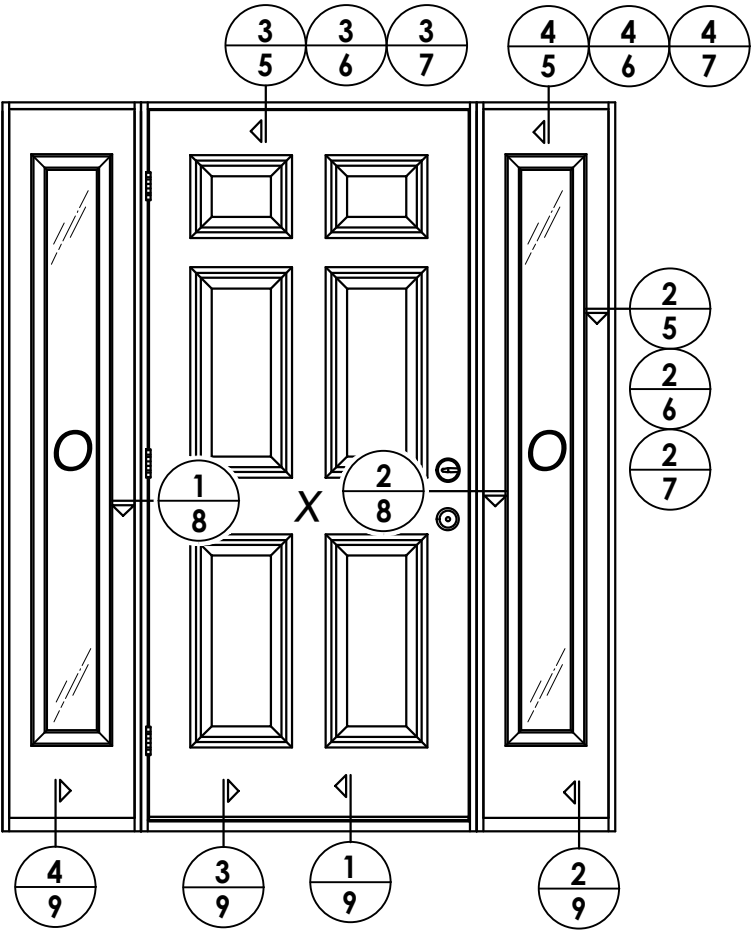
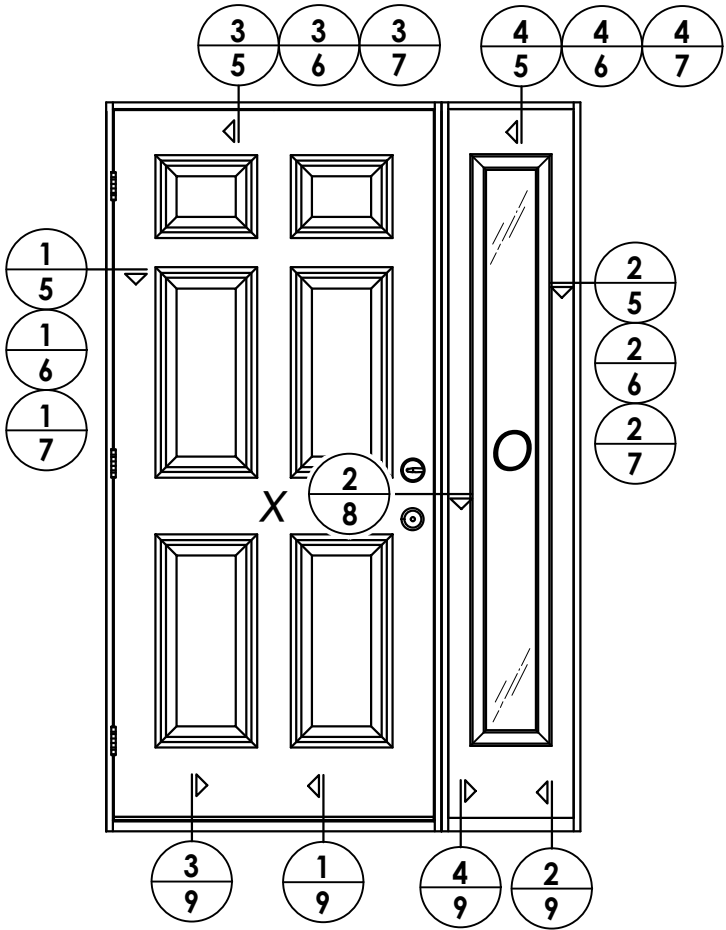
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FL-29651.8

SHEET 3 OF 12

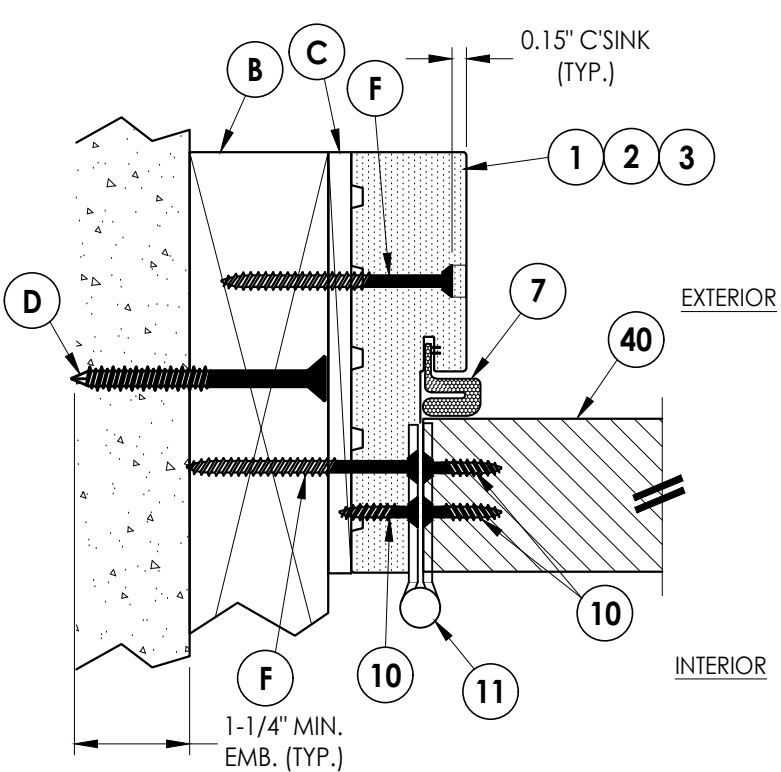
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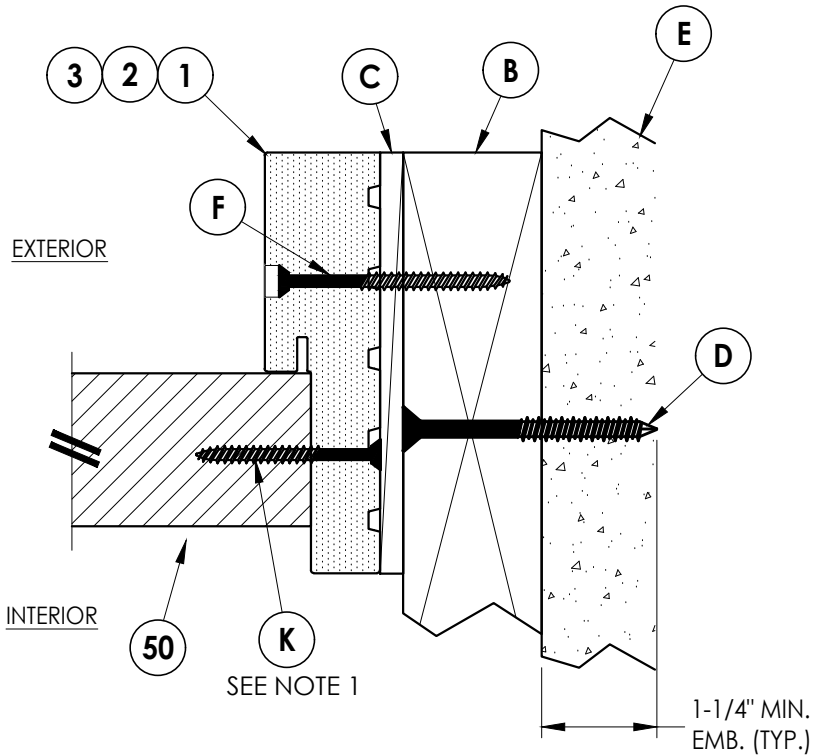


DATE: 3/18/26				SHEET 4 OF 12	
SCALE: N.T.S.				DRAWING NO.: FL-29651.8	
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3/30/26				DRAWING NO.: FL-29651.8	
MANUFACTURER'S NAME CHANGE				DRAWING NO.: FL-29651.8	
NO. DATE				DRAWING NO.: FL-29651.8	
LFS				DRAWING NO.: FL-29651.8	
BY				DRAWING NO.: FL-29651.8	
REVISIONS				DRAWING NO.: FL-29651.8	
PRODUCT: ODL, INC. STEEL DOOR				PART OR ASSEMBLY: ELEVATIONS	
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	

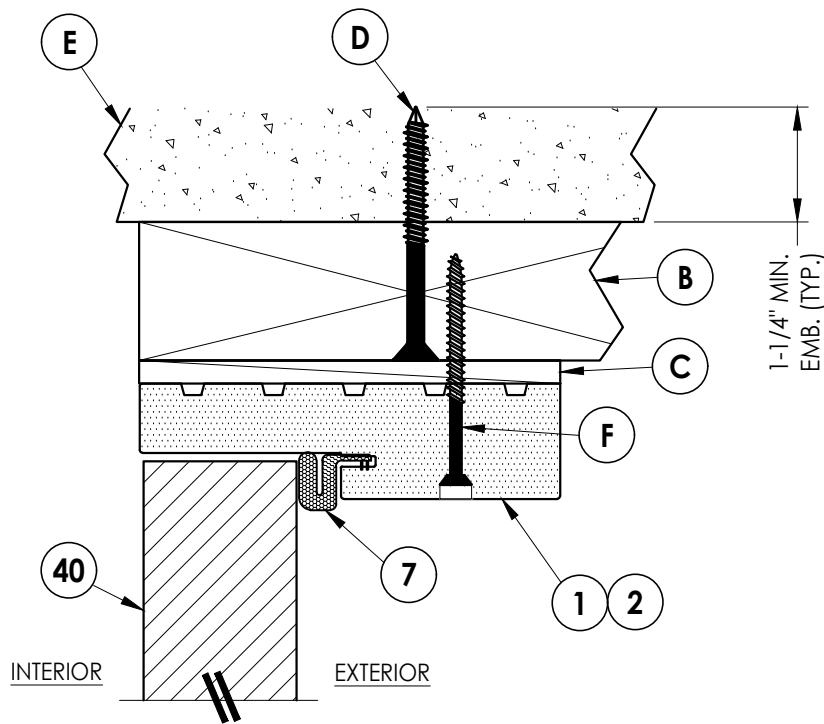
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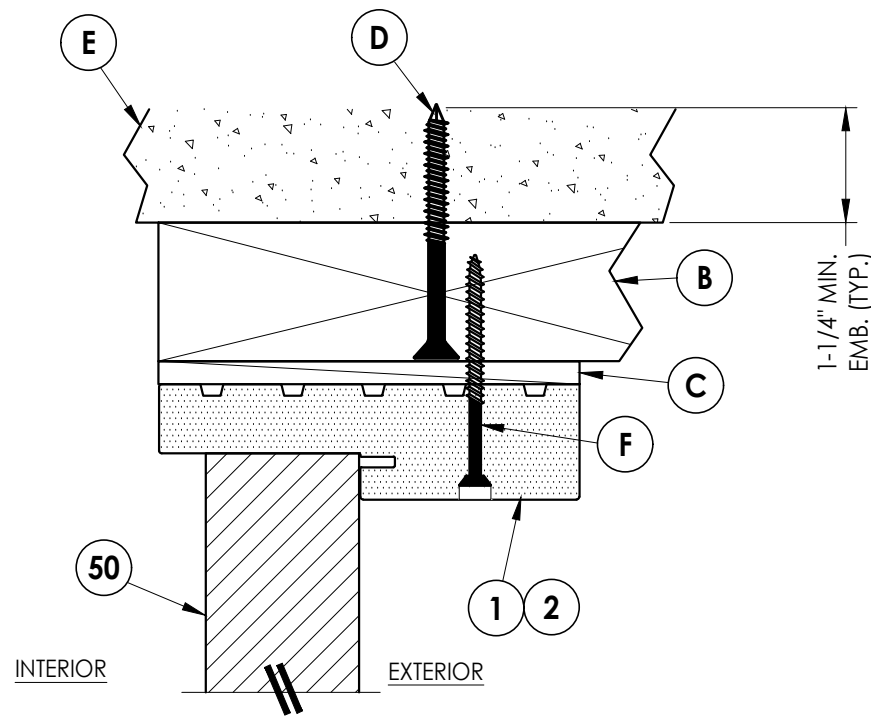
1
5 **HORIZONTAL CROSS SECTION**
Inswing Shown (Outswing Similar)
2X Buck Construction



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

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 (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

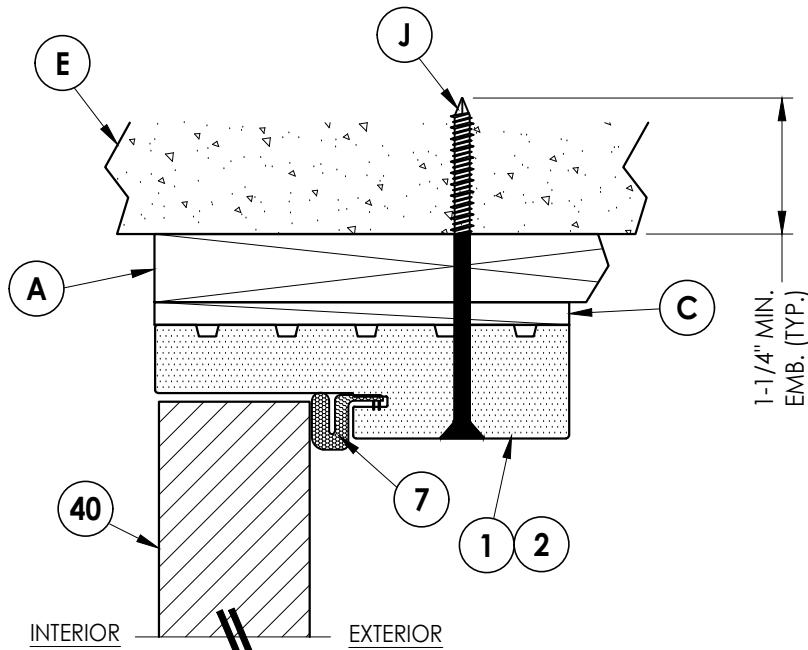
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DRAWING NO.:

FL-29651.8

SHEET 5 OF 12

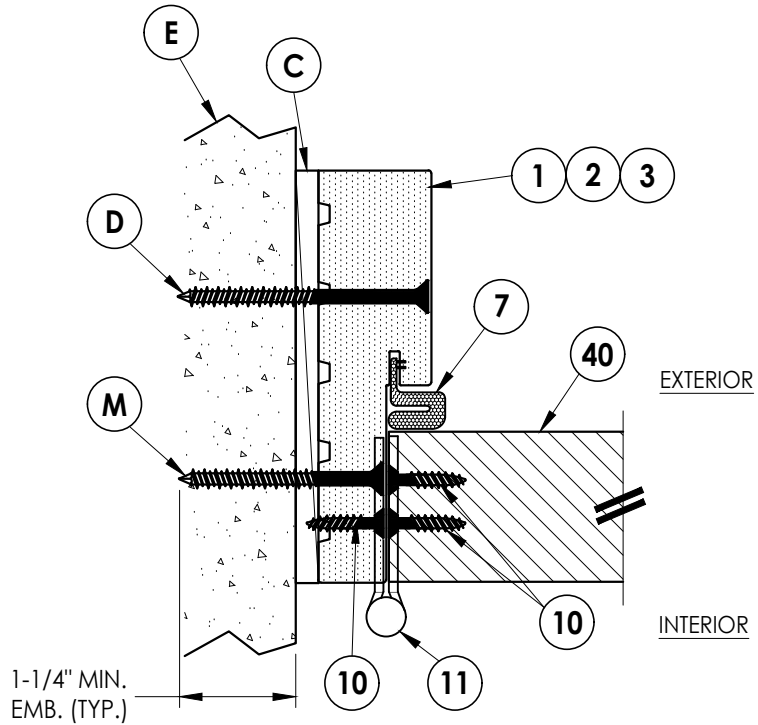
1-1/4" MIN.
EMB. (TYP.)



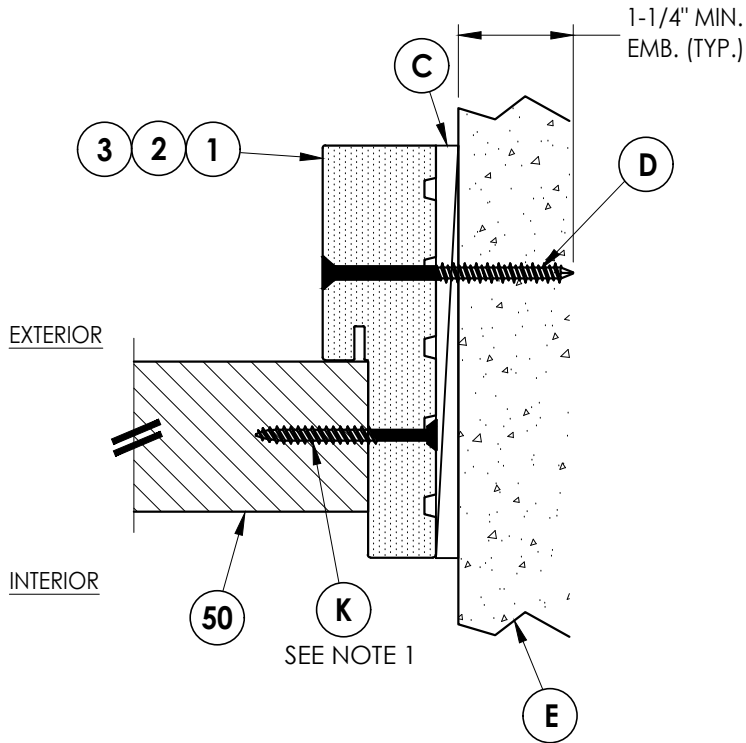
NOTE:
Sidelite attached @ 6" from each end plus
4 more screws equally spaced between
(6 screws total per jamb).

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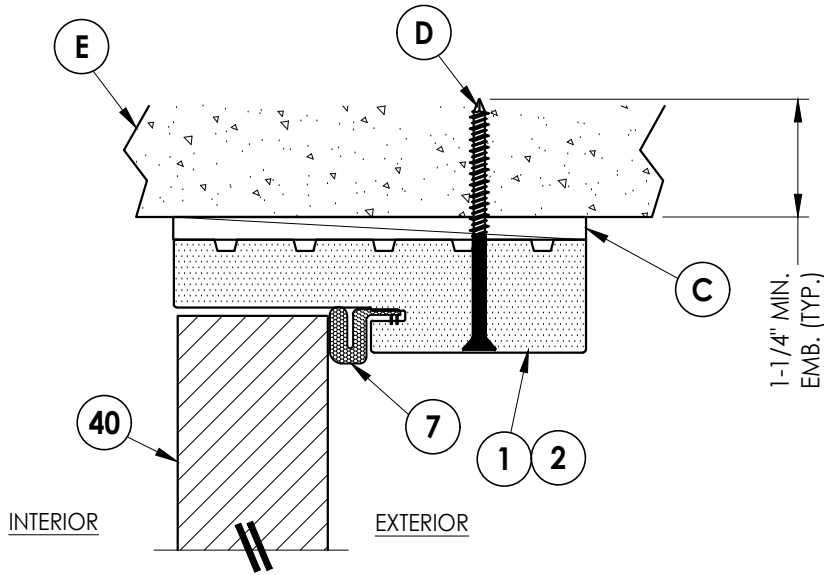
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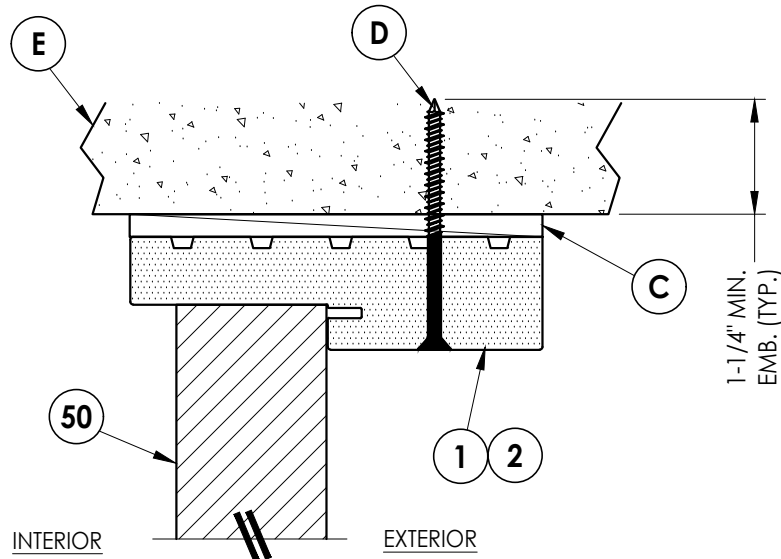
1
7 **HORIZONTAL CROSS SECTION**
Inswing Shown (Outswing Similar)
Shown Direct to Masonry



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

SCALE: N.T.S.

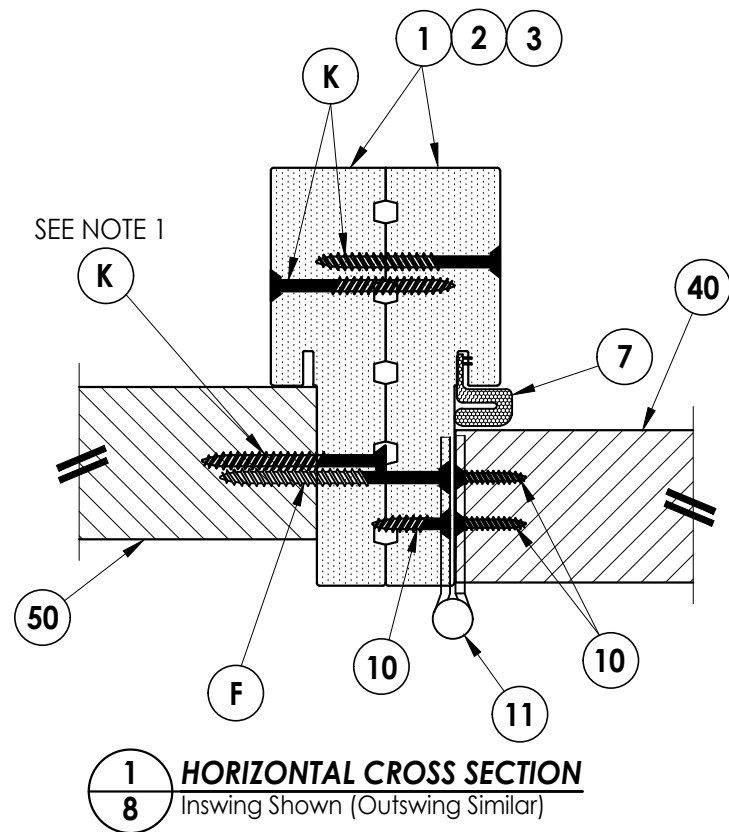
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CHK. BY: RW

DRAWING NO.:

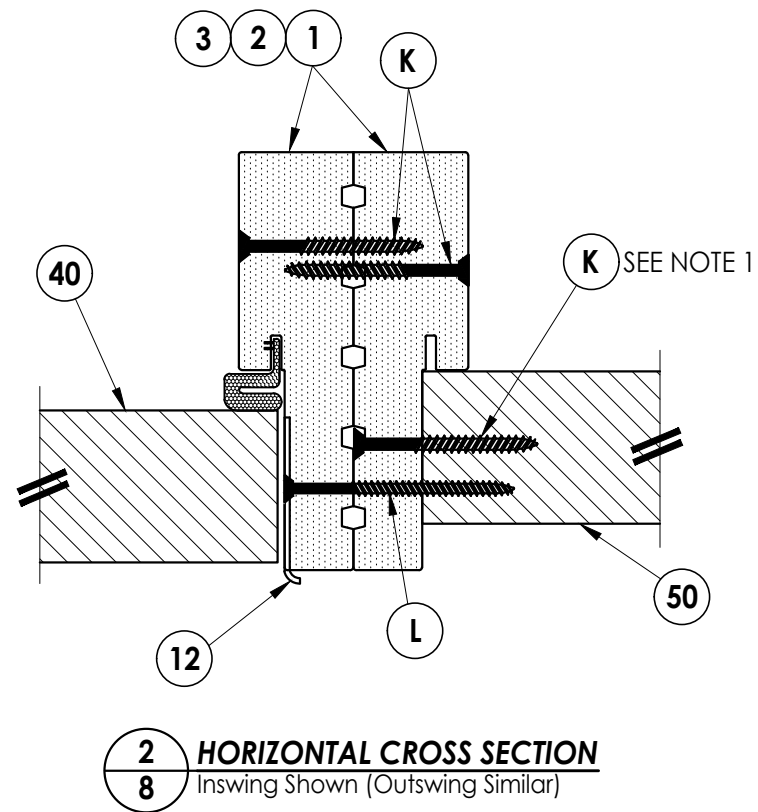
FL-29651.8

SHEET 7 OF 12



EXTERIOR

INTERIOR



NOTE:

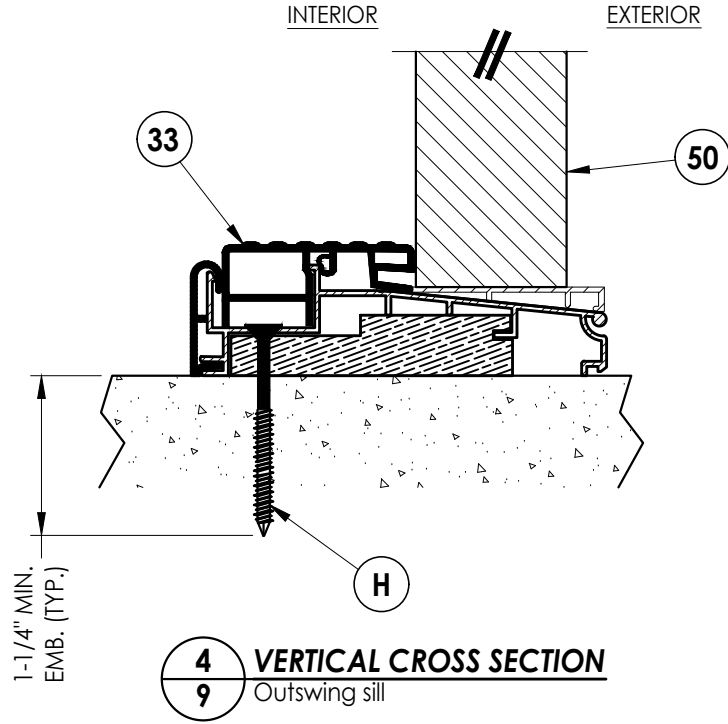
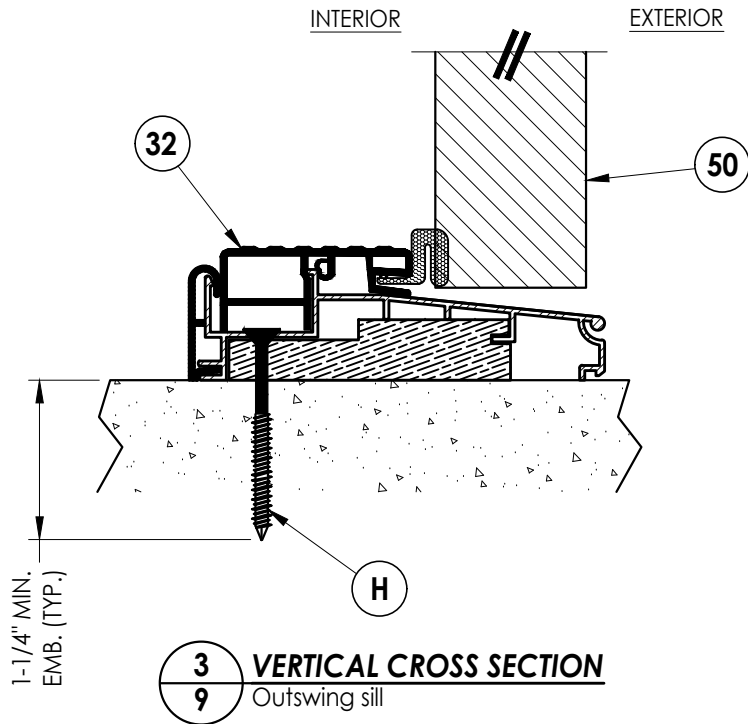
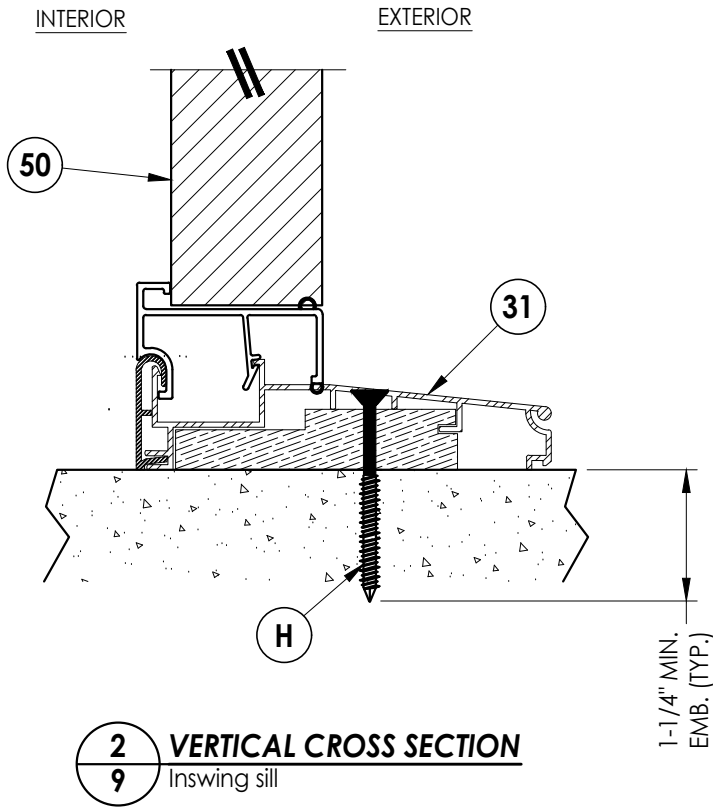
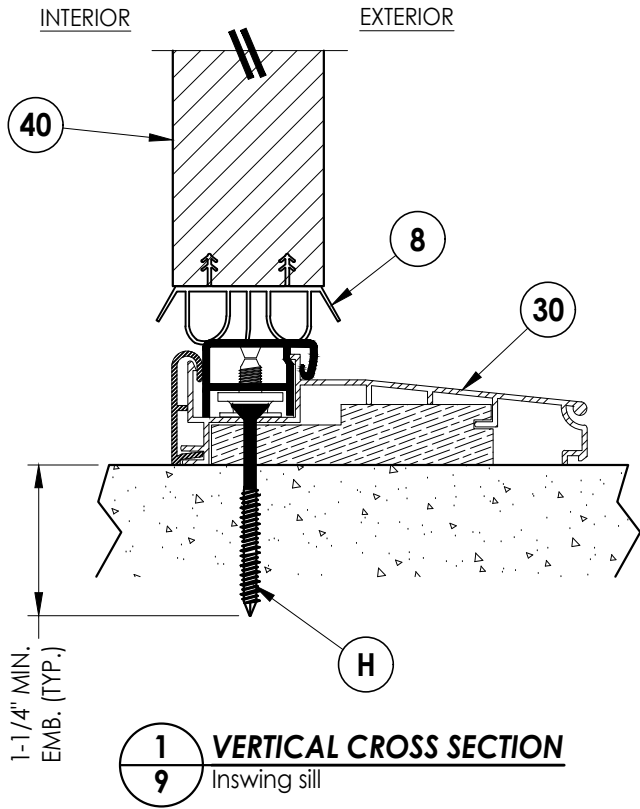
1. Sidelite attached @ 6" from each end plus 4 more screws equally spaced between (6 screws total per jamb).

[illegible]

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

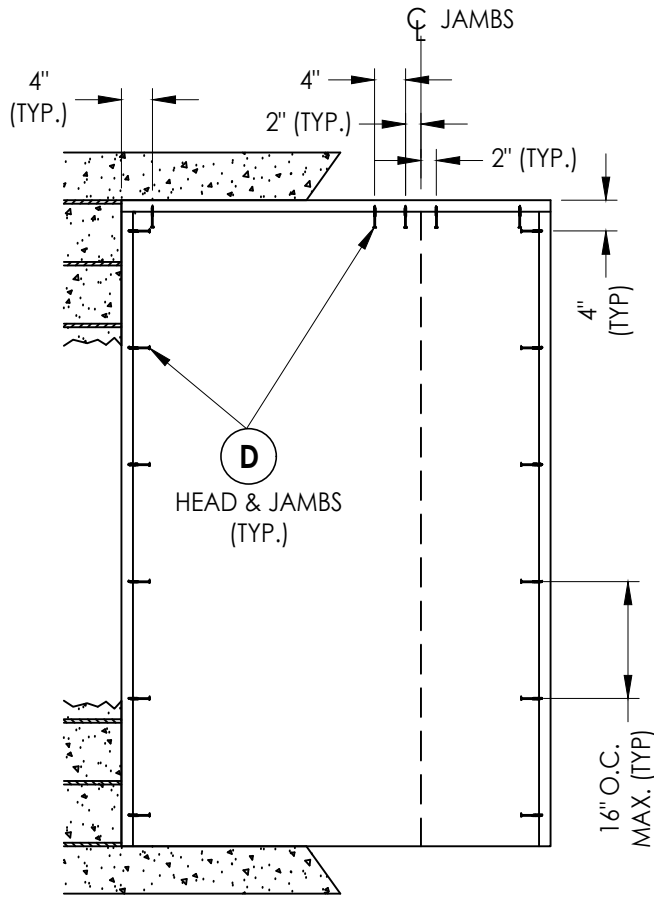
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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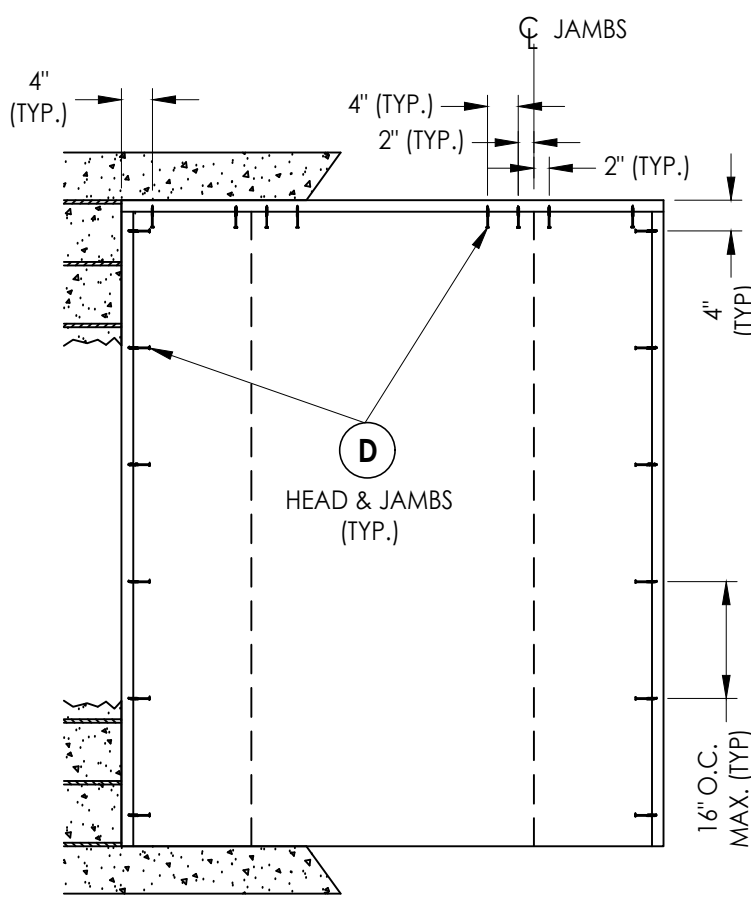


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ODL, INC. STEEL DOOR				PART OR ASSEMBLY: VERTICAL CROSS SECTIONS			
					LFS	BY	
					MANUFACTURER'S NAME CHANGE		
				3	3/30/26	DATE	
				REVISIONS			
DATE: 3/18/26							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-29651.8							
SHEET 9 OF 12							

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XO / OX



OXO

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

ODL, INC.
STEEL DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

DATE: 3/18/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-29651.8

SHEET 10 OF 12

3/30/26

MANUFACTURER'S NAME CHANGE

NO. DATE

BY

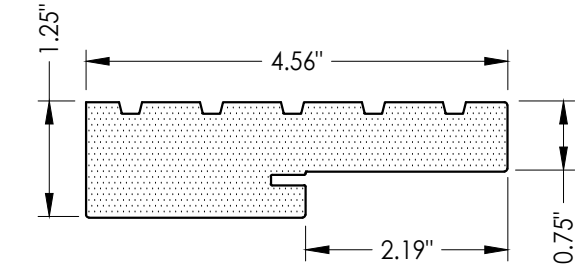
REVISIONS

RW

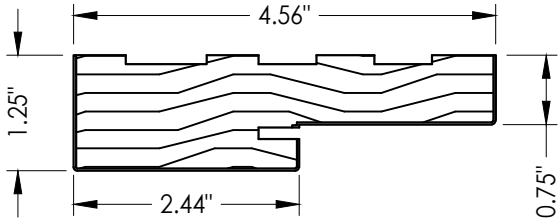
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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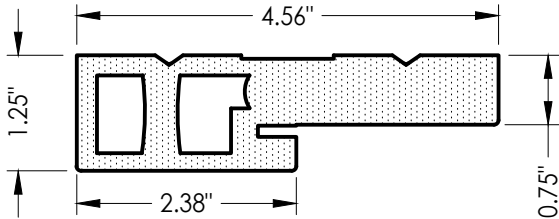
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2"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



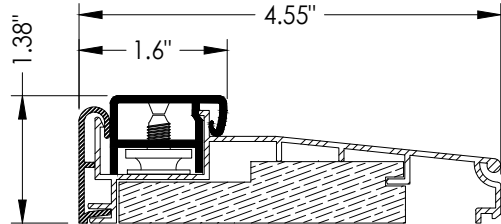
1 **COMPOSITE JAMB**
WORLDWIDE 4EVER JAMB



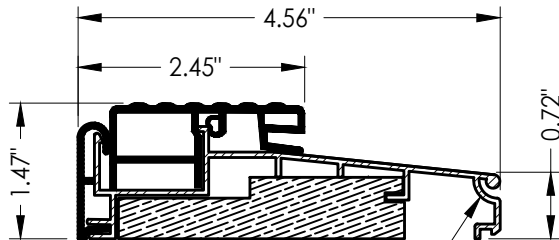
2 **FINGER JOINT PINE JAMB**



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

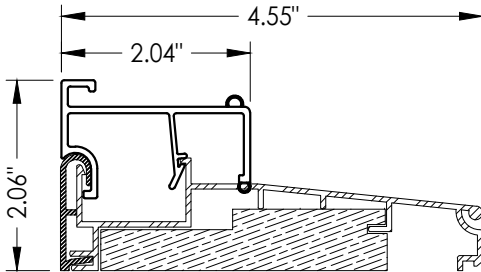


30 **INSWING THRESHOLD**
WORLDWIDE

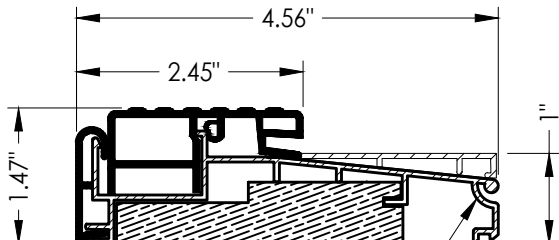


ALUMINUM OR COMPOSITE FRAME

32 **OUTSWING THRESHOLD**
WORLDWIDE



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



ALUMINUM OR COMPOSITE FRAME

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

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

RW

PRODUCT:
ODL, INC.
STEEL DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

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

REVISIONS

DATE: 3/18/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-29651.8

SHEET 12 OF 12