

Z:\2023 FBC Drawings\ODL, Inc\FL-46120\FL-46120.10.dwg



215 EAST ROOSEVELT AVE.
ZEELAND, MI 49464

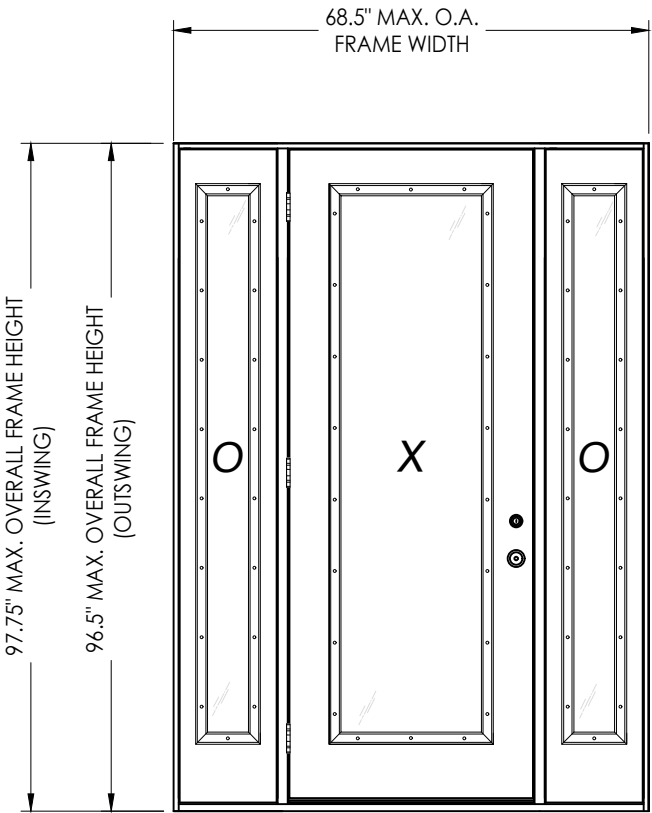
**GLAZED FIBERGLASS DOOR
SINGLE w/ SIDELITE(S)
INSWING/OUTSWING
"IMPACT"**

GENERAL NOTES

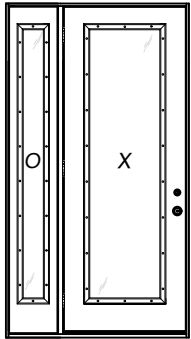
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection, this product 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 E 1996 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.

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SHEET #	DESCRIPTION	SHEET #	
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3	Sidelite Panel Details	10	Horizontal & Vertical Cross Sections (Direct to Masonry)
4	Life Frame Glazing Details (Alum. Flat Frame)	11	Vertical Cross Sections (Thresholds)
5	Life Frame Glazing Details (Keystone PVC Frame)	12	Buck Anchoring
6	Elevations	13	Frame Anchoring & Hardware Details
7	Horizontal Cross Sections	14	Bill of Materials & Components

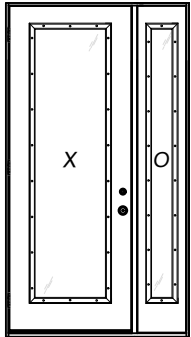
CONFIGURATION	MAX. FRAME DIMENSION	JAMB MATERIAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO	75.25" x 97.75"	WOOD	+45.0	-50.0	+45.0	-45.0
OXO	112.5" x 97.75"		+45.0	-50.0	+45.0	-45.0
OX, XO	75.25" x 97.75"	COMPOSITE	+45.0	-50.0	+45.0	-45.0
OXO	112.5" x 97.75"		+45.0	-50.0	+45.0	-45.0



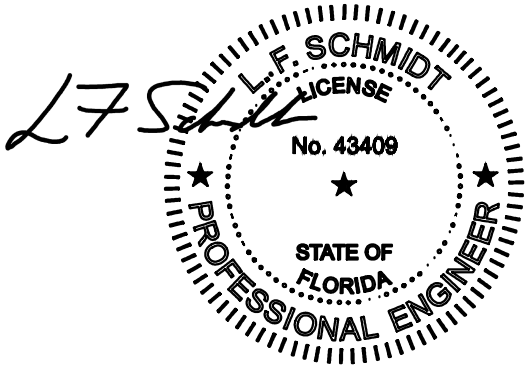
OXO
CONTINUOUS HEAD & SILL



OX, XO



XO, OX



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

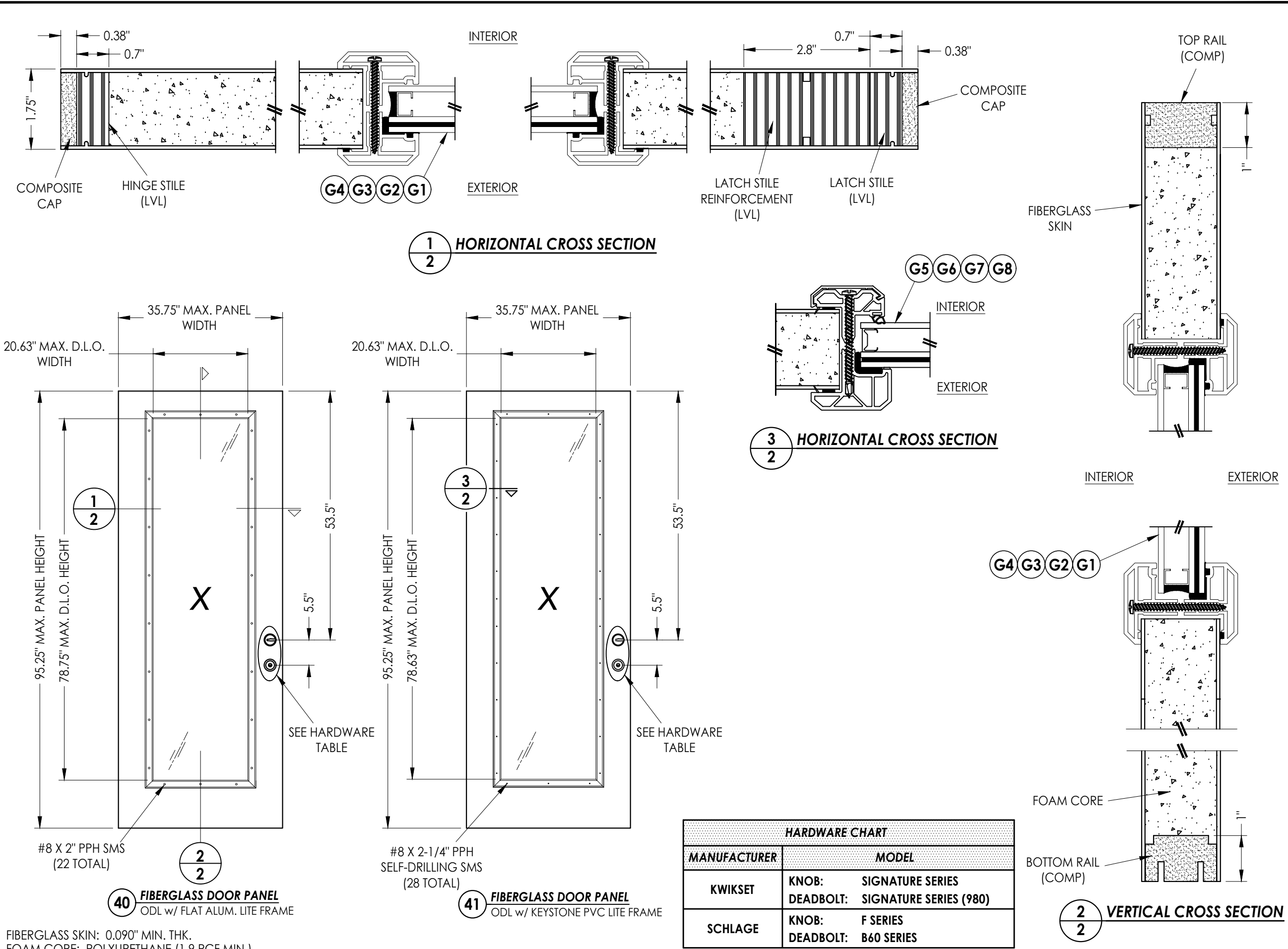
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

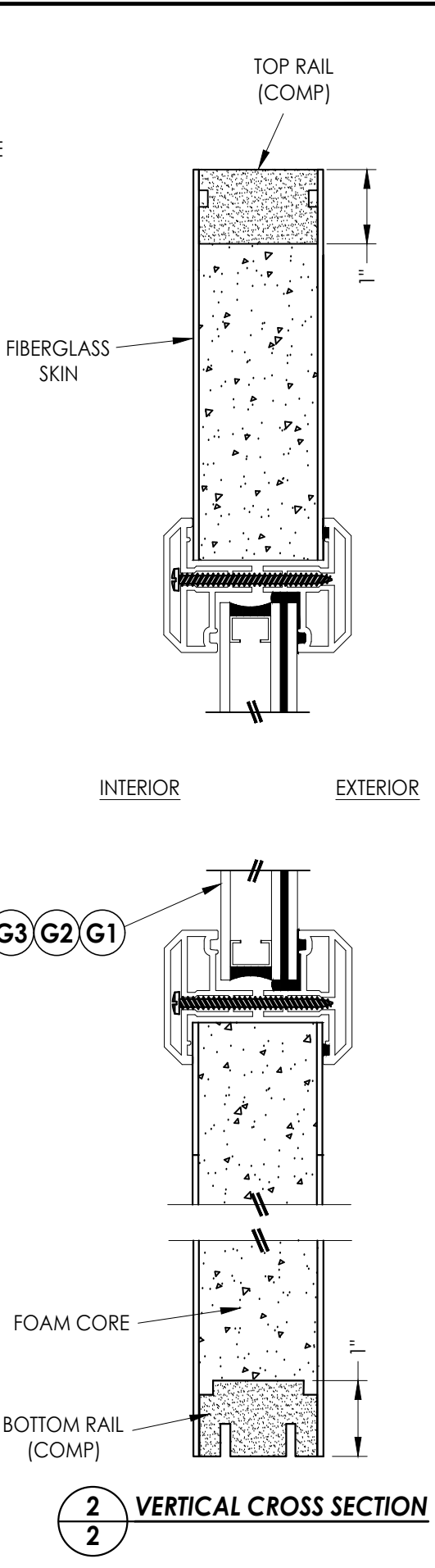
PRODUCT: ODL
FIBERGLASS DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS	
		BY	

DATE: 1/16/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46120.10
SHEET 1 OF 14

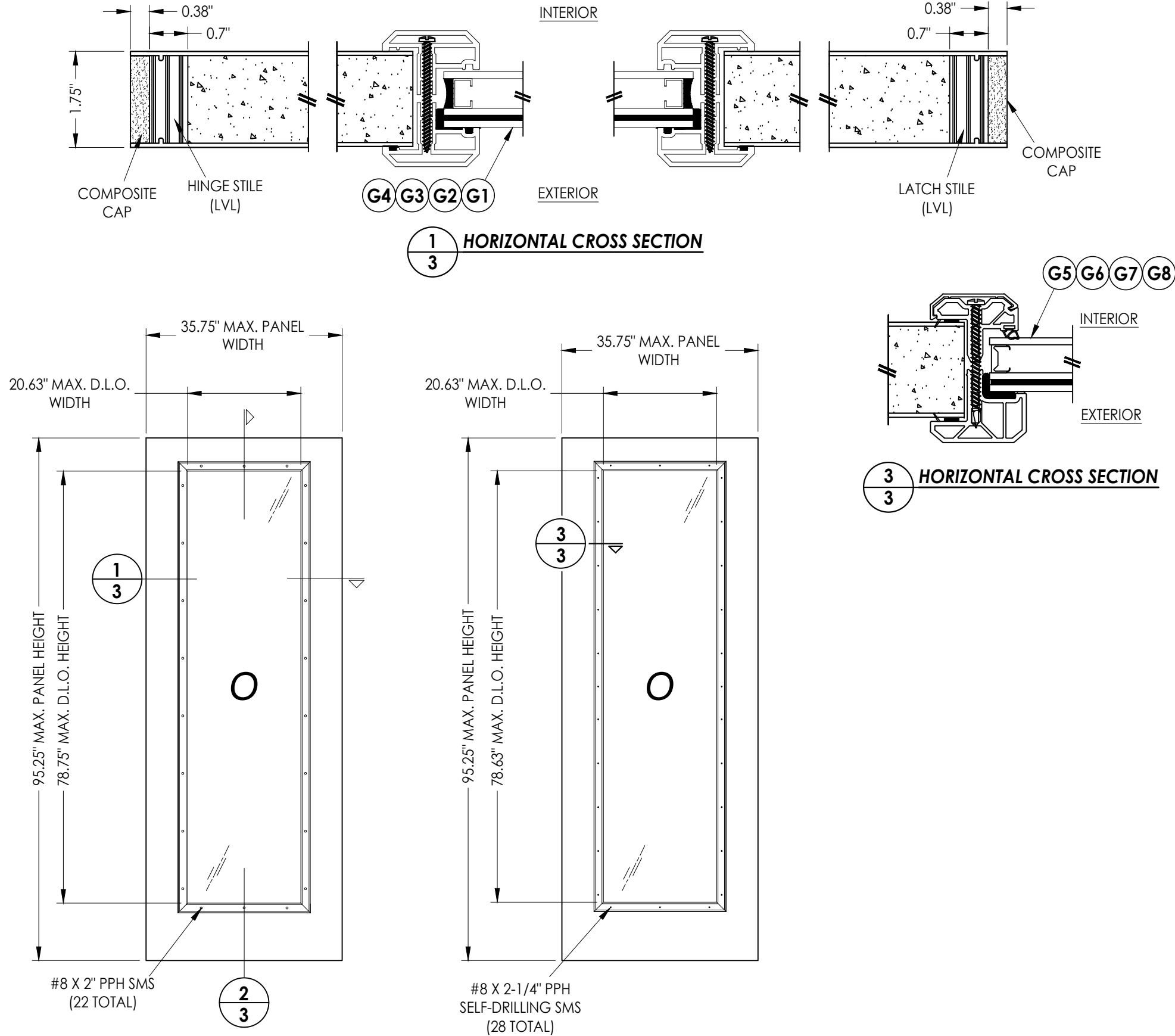


HARDWARE CHART		
MANUFACTURER	MODEL	
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)	
SCHLAGE	KNOB: F SERIES DEADBOLT: B60 SERIES	



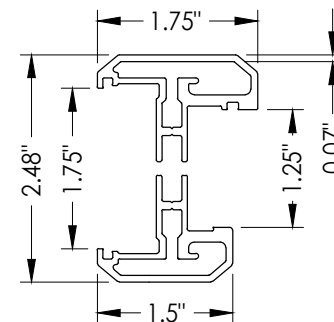
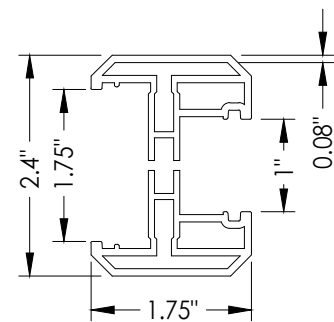
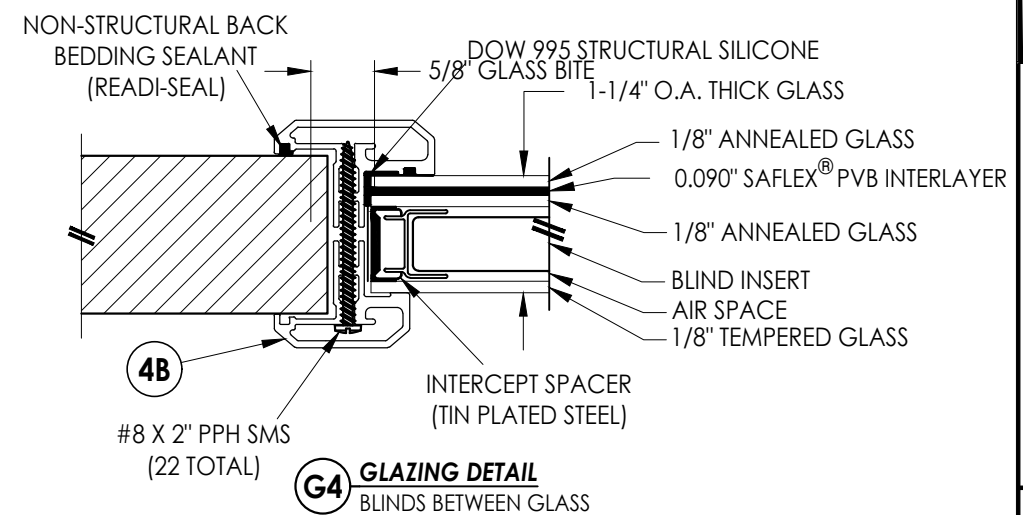
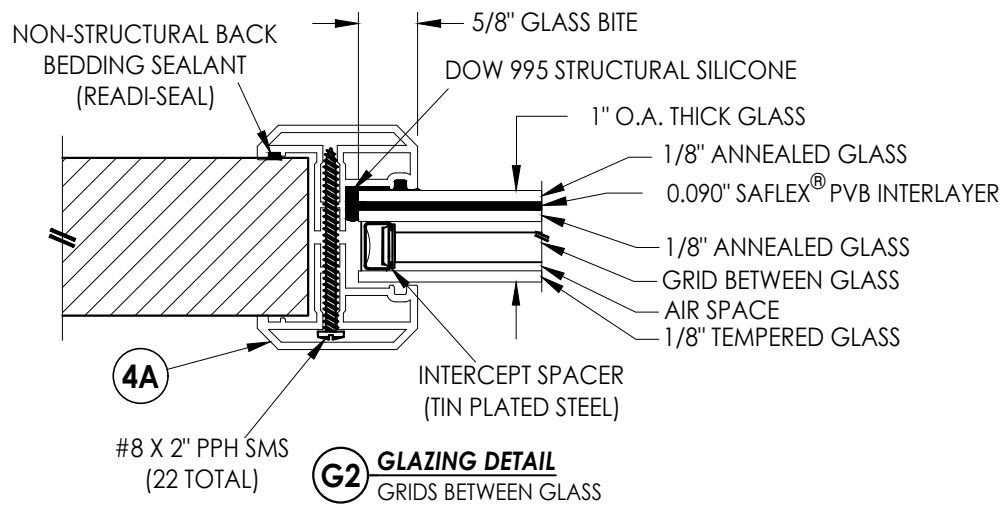
DATE: 1/16/25		PRODUCT: ODL FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: DOOR PANEL DETAILS		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-46120.10					
NO.	DATE	BY	REVISIONS		

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FIBERGLASS SKIN: 0.090" MIN. THK.
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)

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PRODUCT: ODL FIBERGLASS DOOR		PART OR ASSEMBLY: SIDELITE PANEL DETAILS	

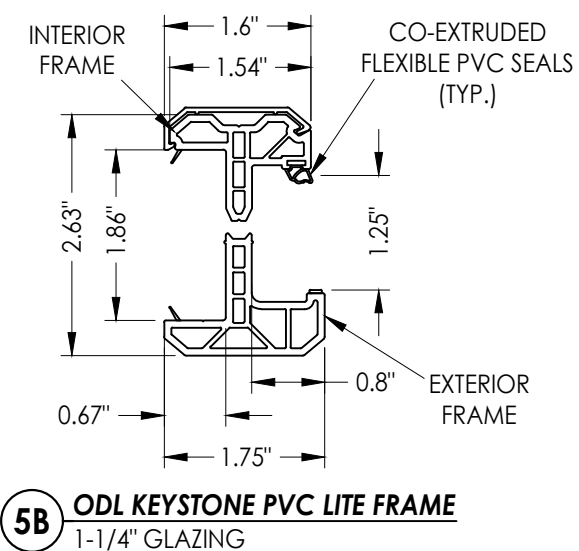
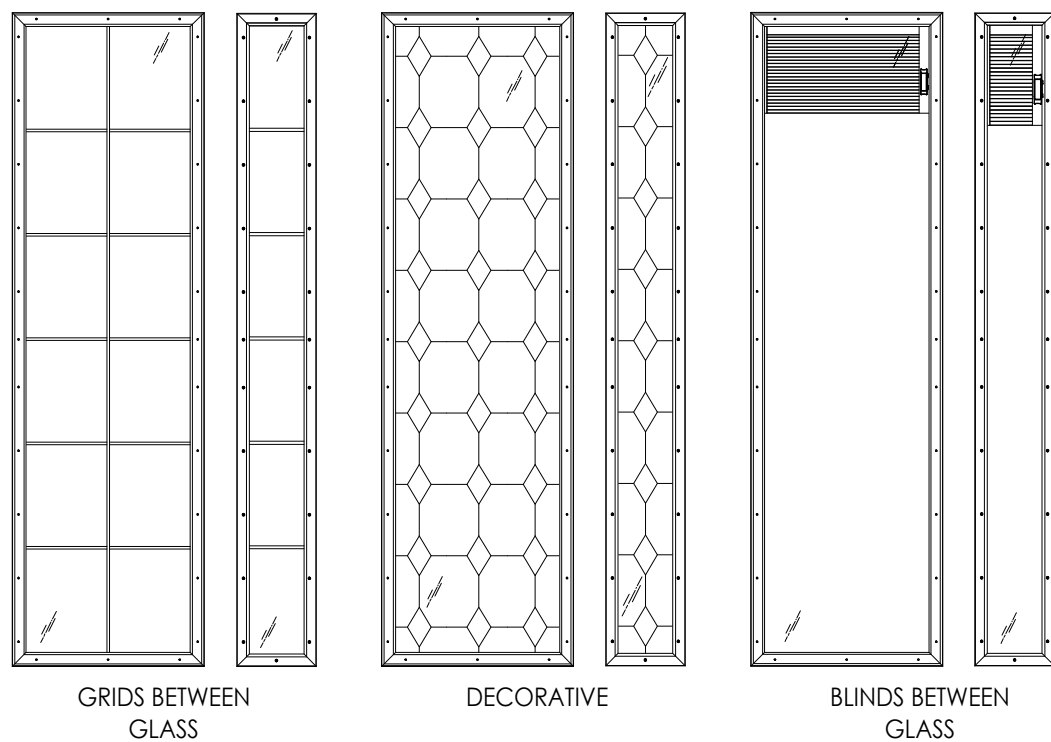
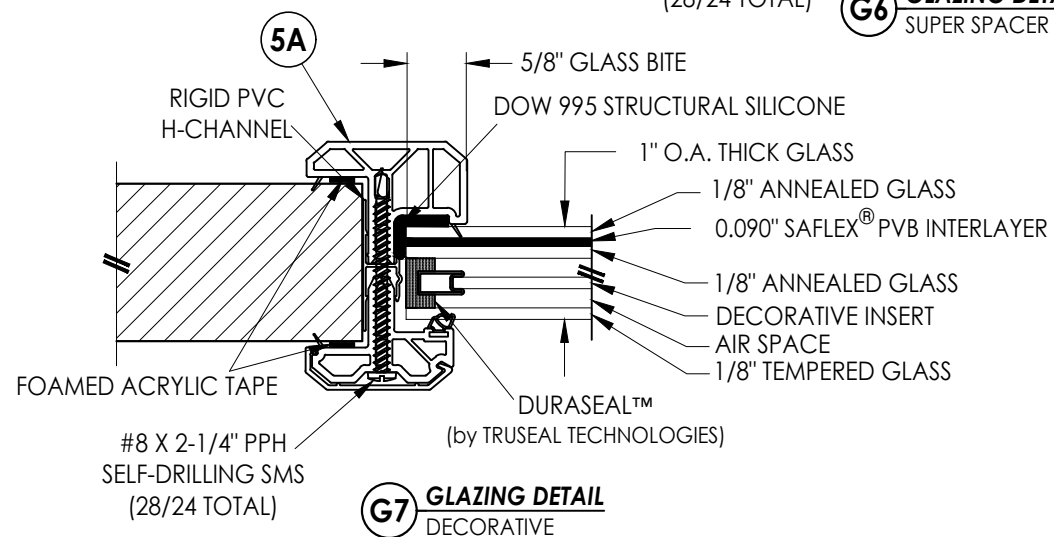
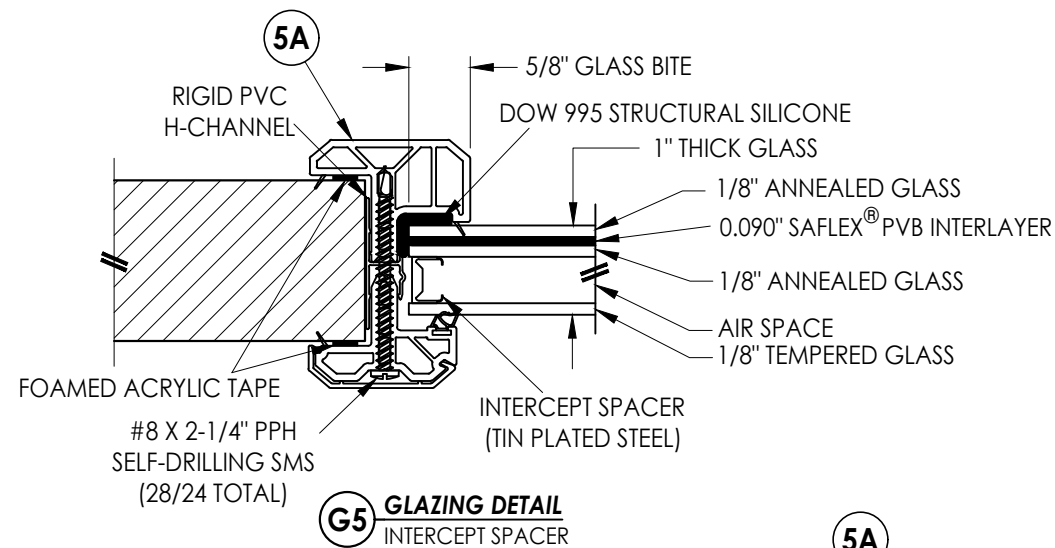


4A **ODL FLAT ALUMINUM LITE FRAME**
1" GLAZING

4B ODL FLAT ALUMINUM LITE FRAME
1-1/4" GLAZING

ALTERNATE GLAZING DETAILS

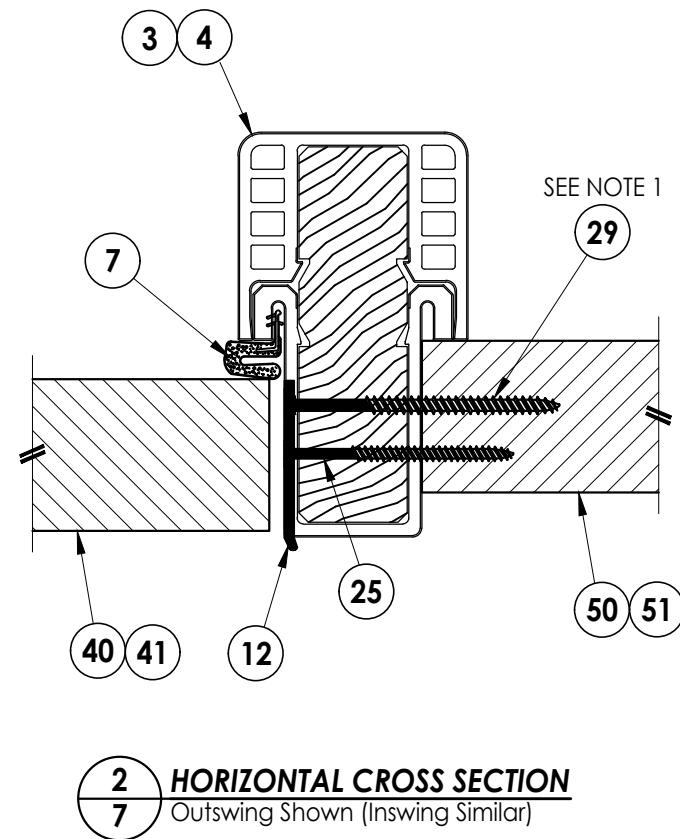
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ALTERNATE GLAZING DETAILS

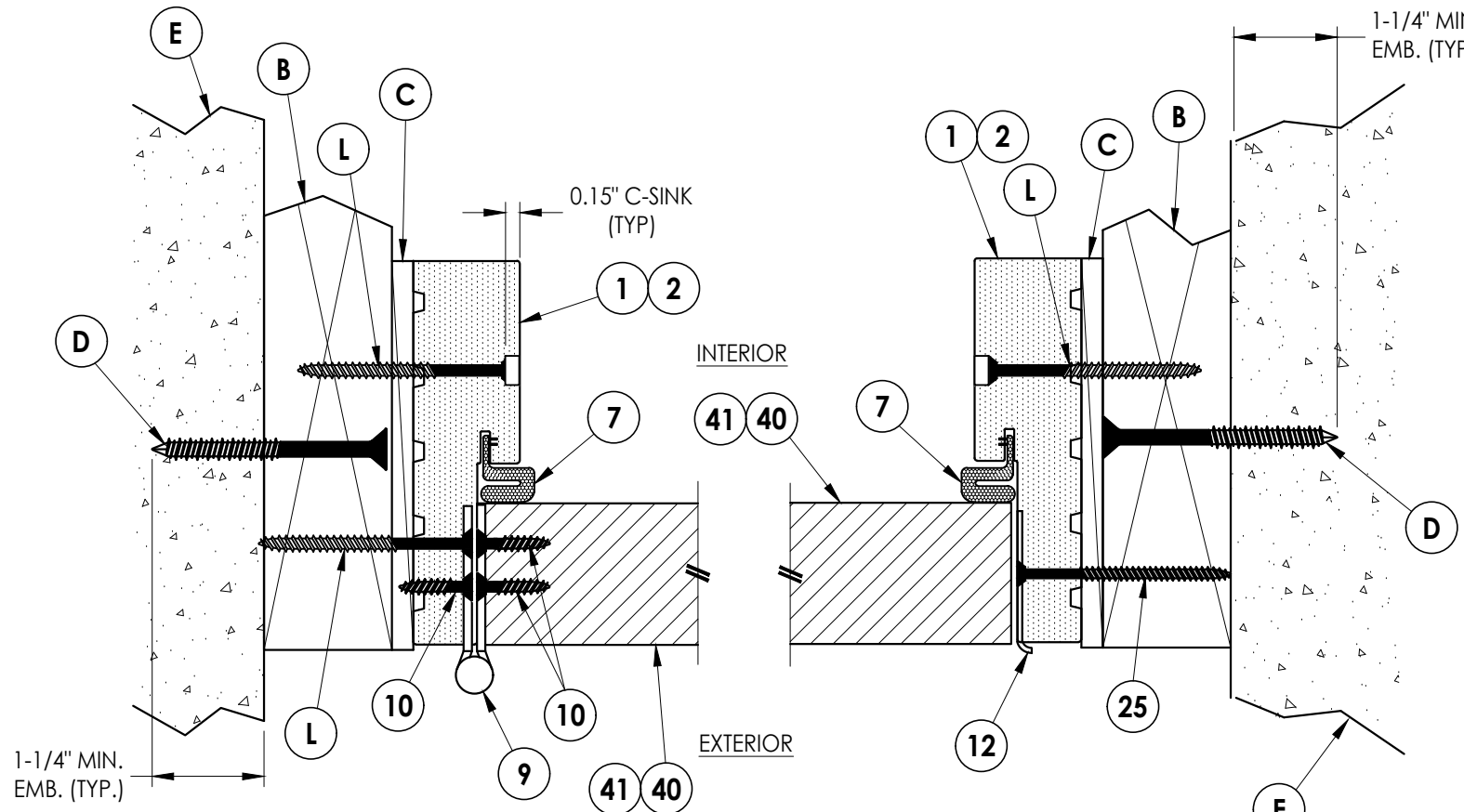
5B ODL KEYSTONE PVC LITE FRAME
1-1/4" GLAZING

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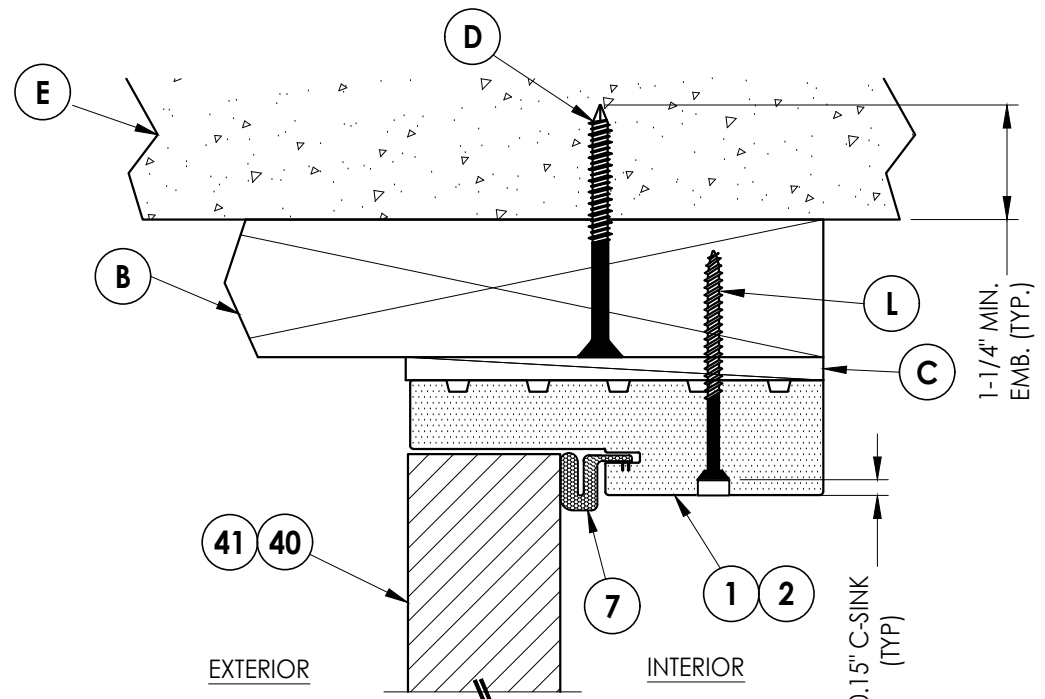
DATE: 1/16/25		PRODUCT: ODL FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-46120.10					
SHEET 7 OF 14					
NO. DATE		BY			
REVISIONS					

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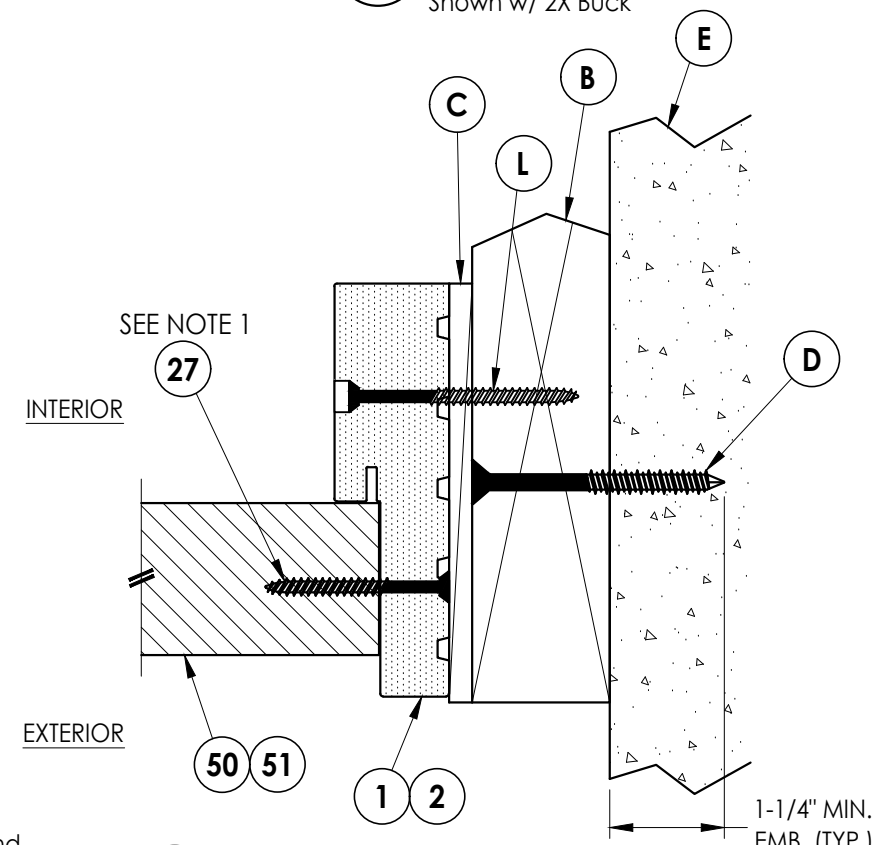


1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

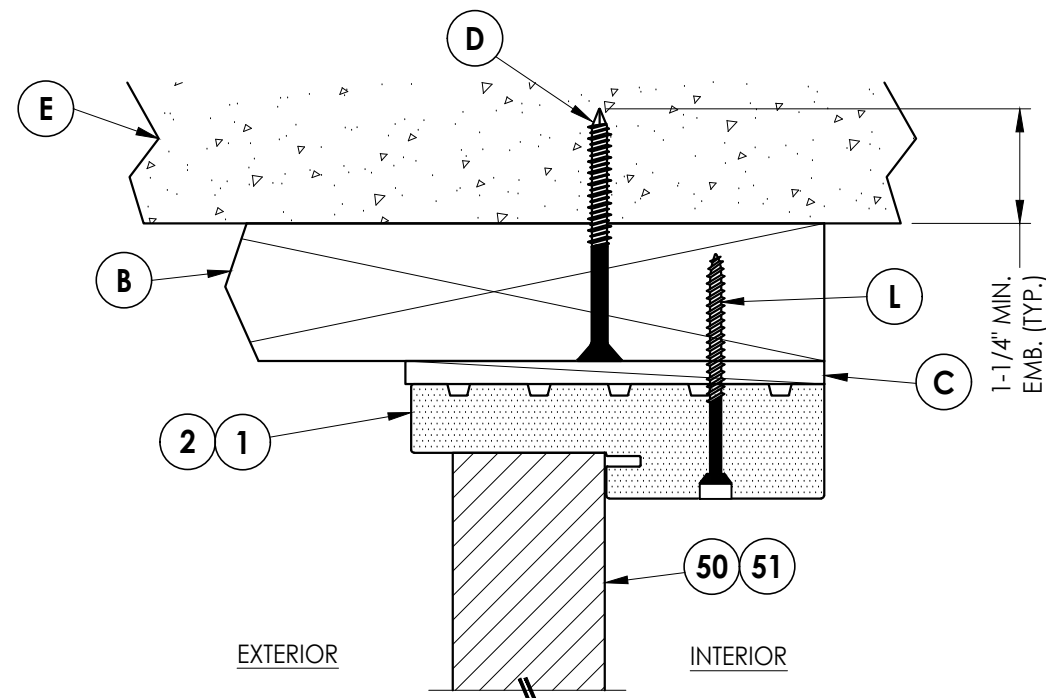
2
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



4
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



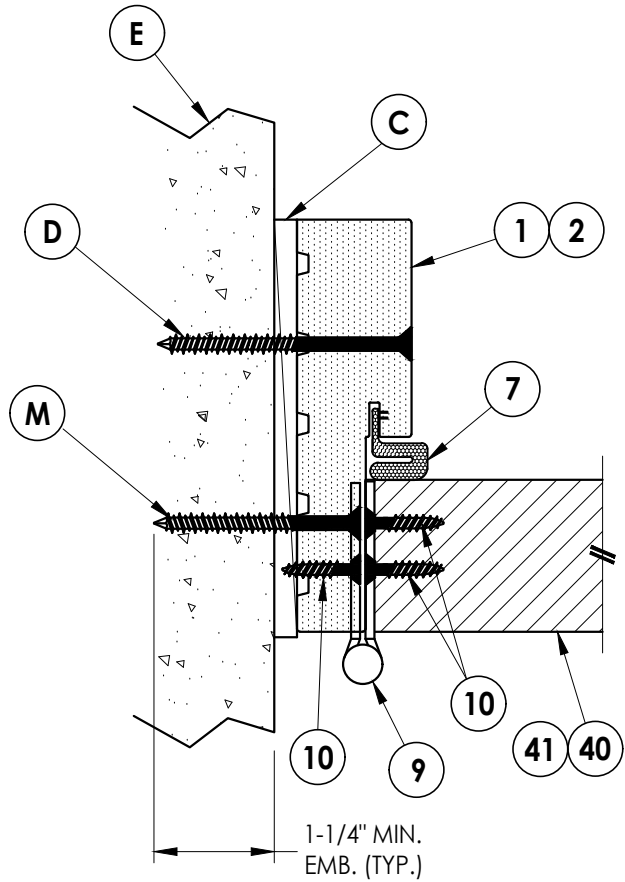
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8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



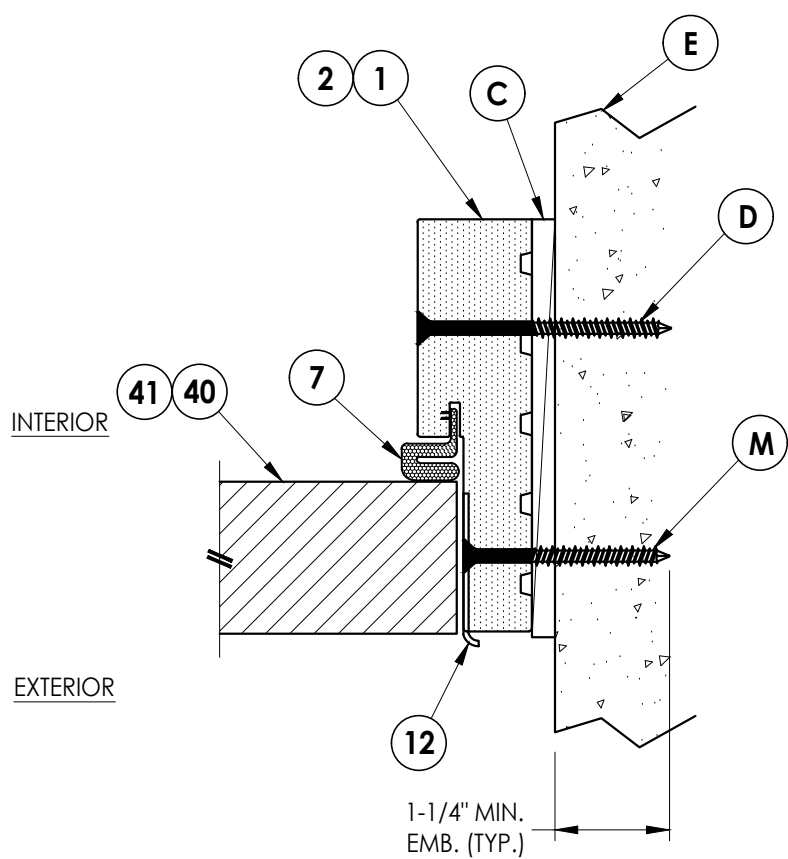
5
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

Note:
1. Sidelite assembly screws located 6" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).

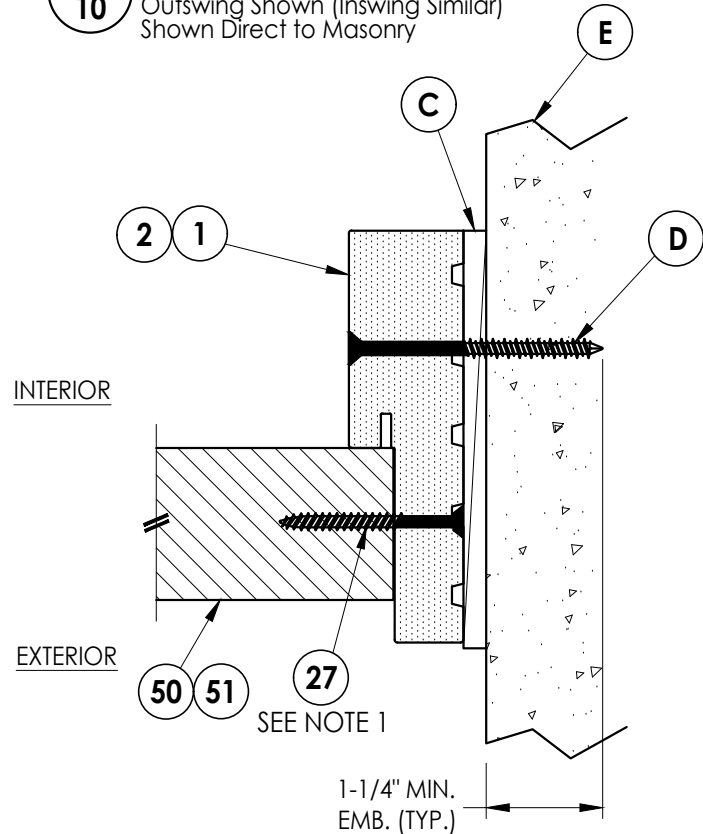
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ODL FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)			
						BY	



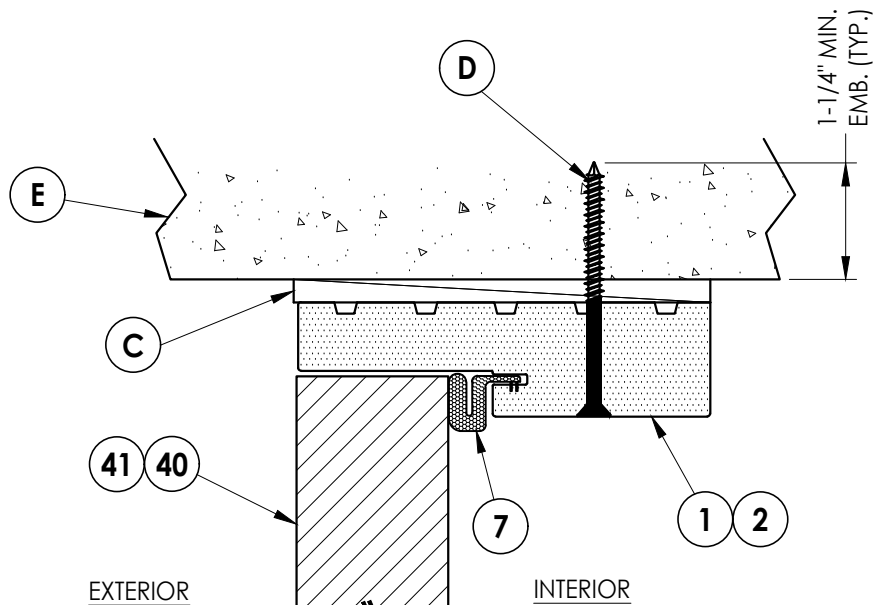
1 HORIZONTAL CROSS SECTION
10 Outswing Shown (Inswing Similar)
Shown Direct to Masonry



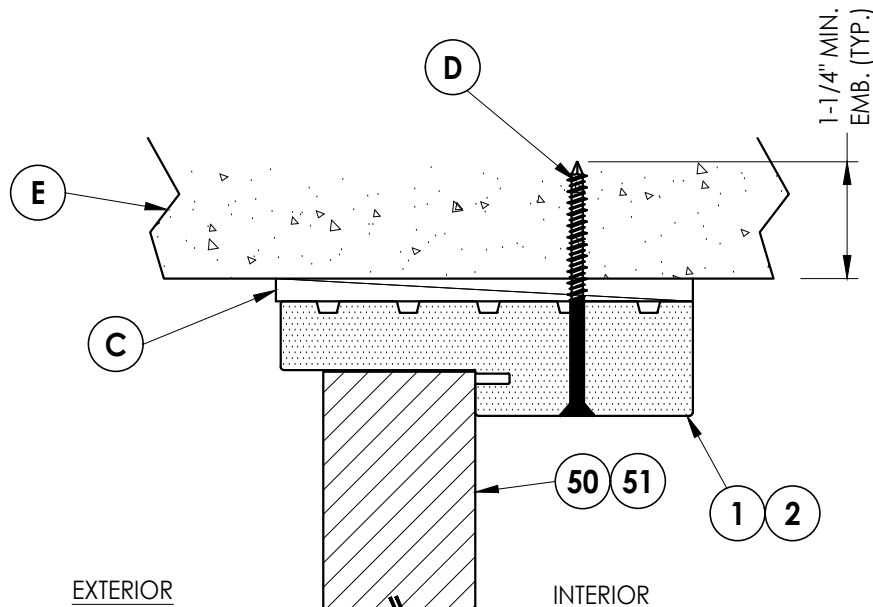
2 HORIZONTAL CROSS SECTION
10 Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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



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



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

Note:

1. Sidelite assembly screws located 6" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ODL
FIBERGLASS DOOR

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

NO.	DATE	BY	REVISIONS

DATE: 1/16/25

SCALE: N.T.S.

DWG. BY: LFS

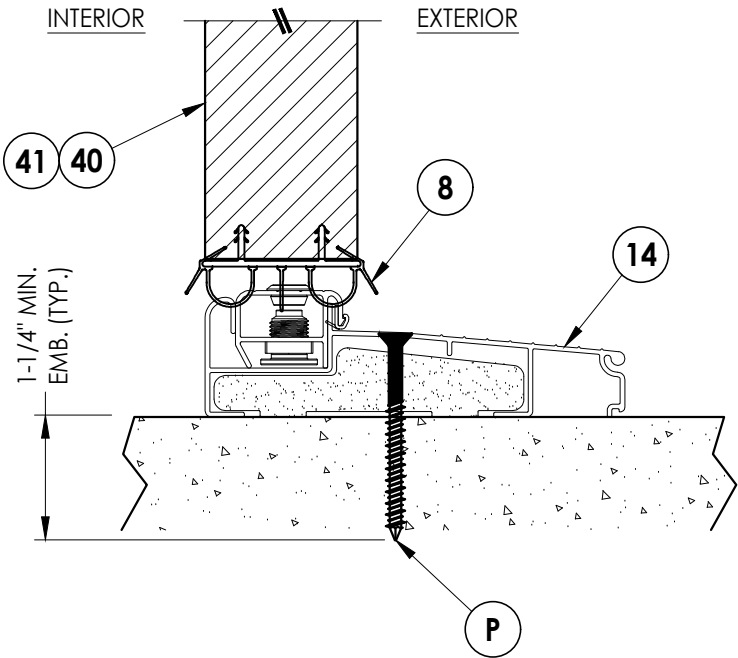
CHK. BY: RW

DRAWING NO.:

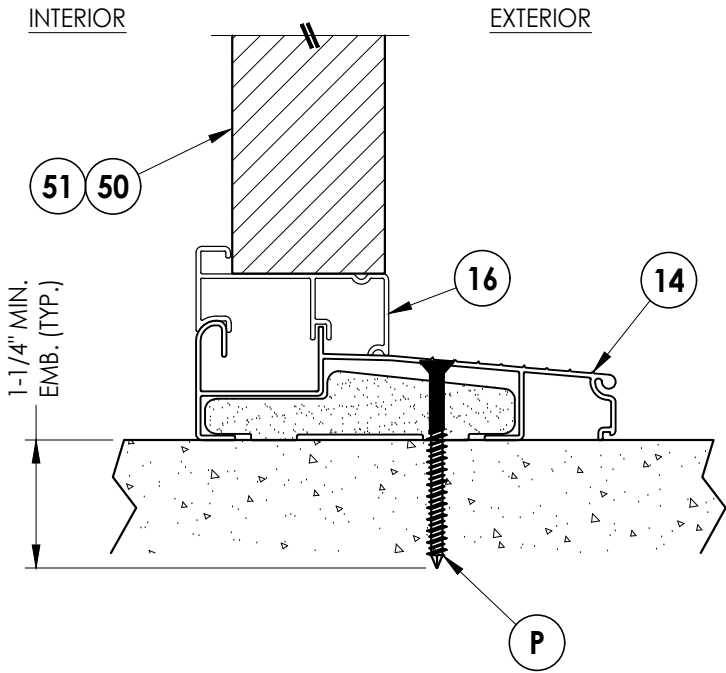
FL-46120.10

SHEET 10 OF 14

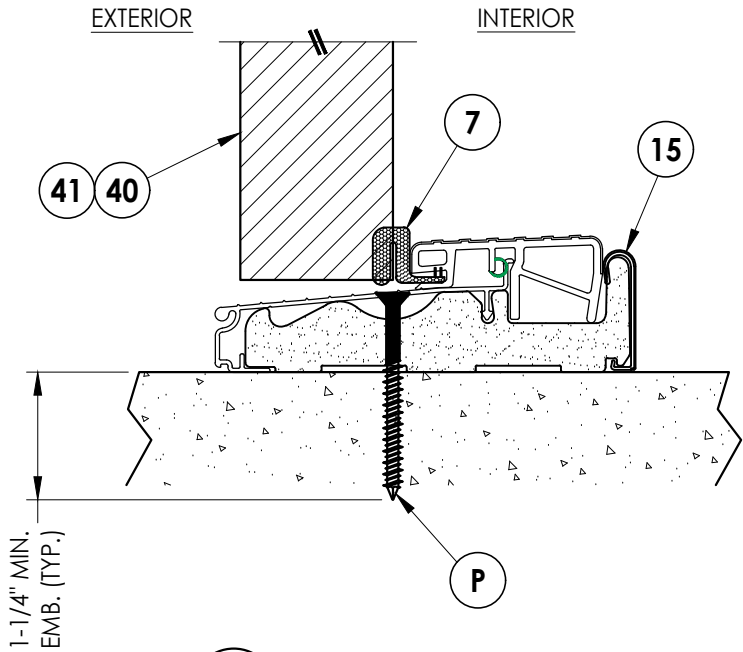
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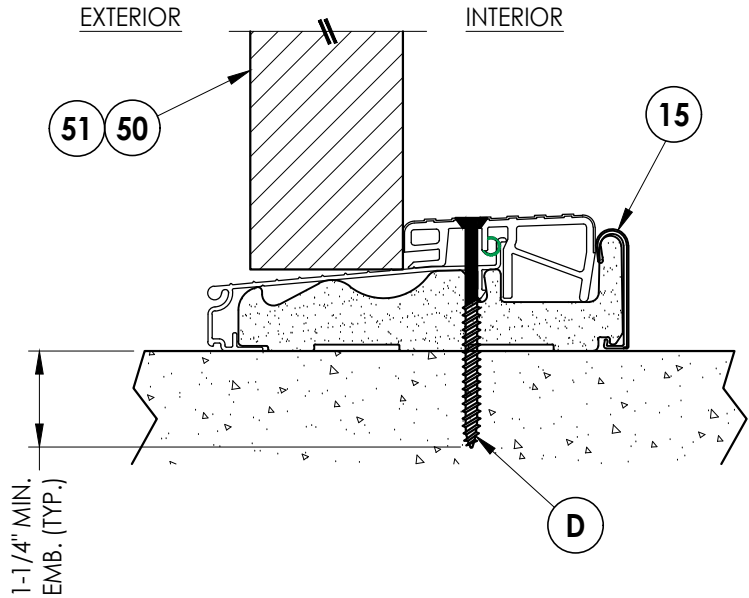
1
11 **VERTICAL CROSS SECTION**
Inswing Sill



3
11 **VERTICAL CROSS SECTION**
Inswing Sill



2
11 **VERTICAL CROSS SECTION**
Outswing Sill



4
11 **VERTICAL CROSS SECTION**
Outswing Sill

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

PRODUCT: ODL
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

REVISIONS		NO.	DATE	BY

DATE: 1/16/25

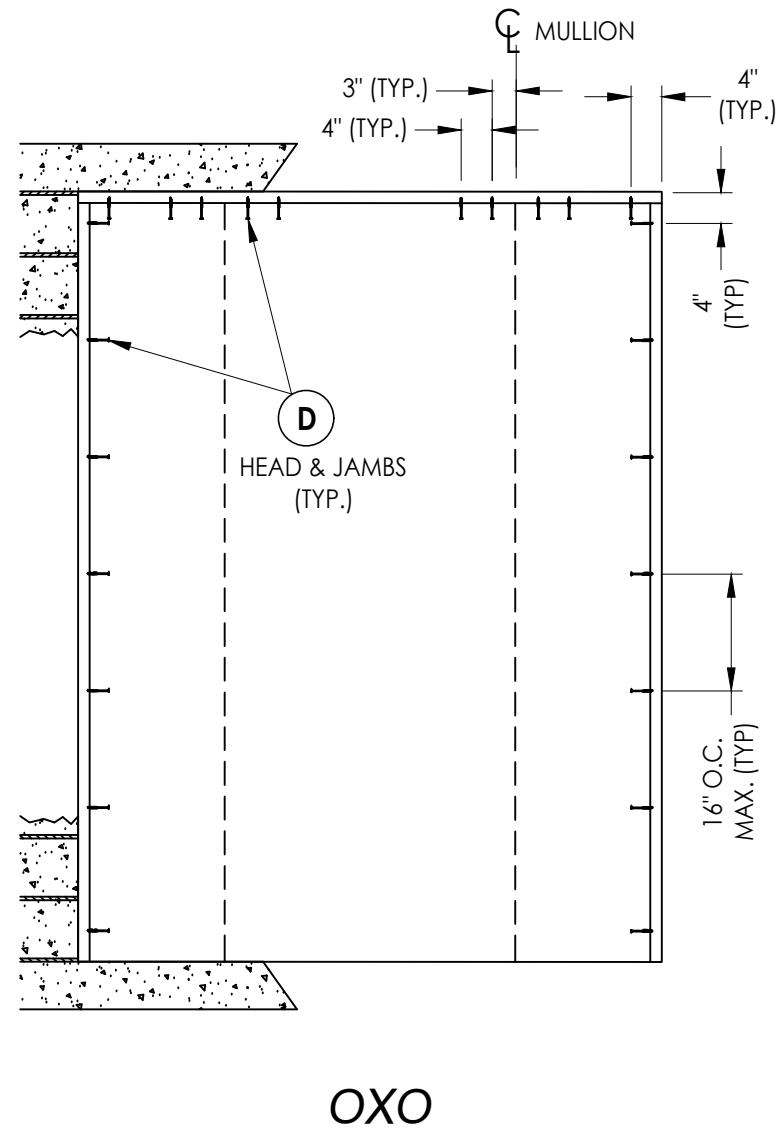
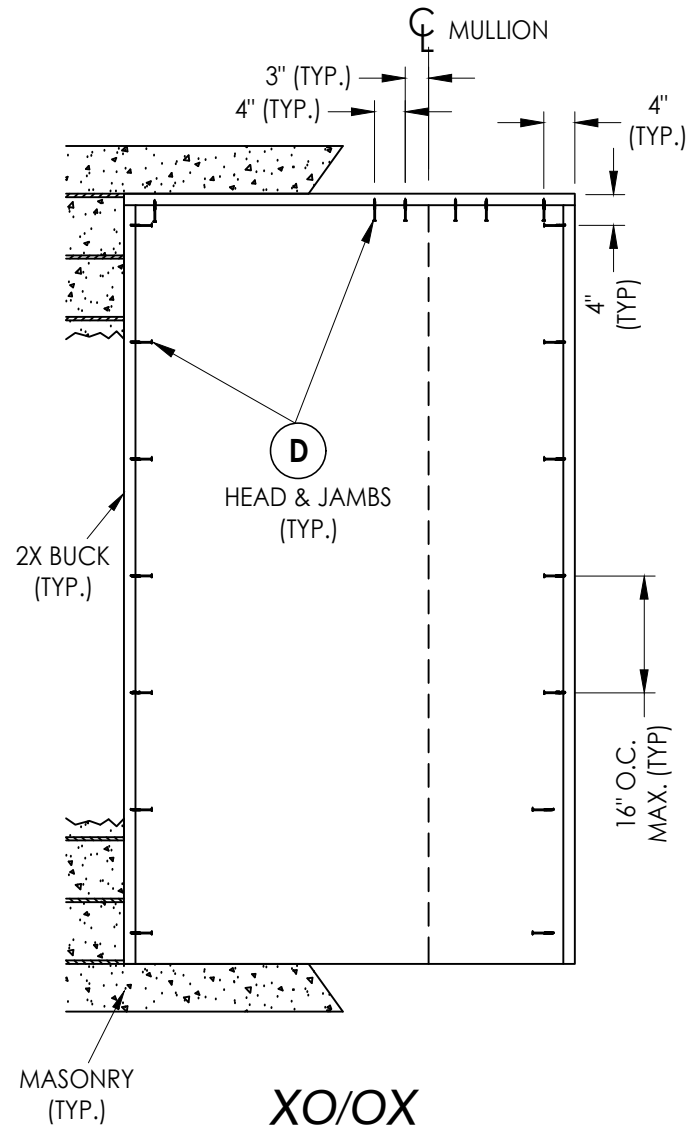
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DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-46120.10

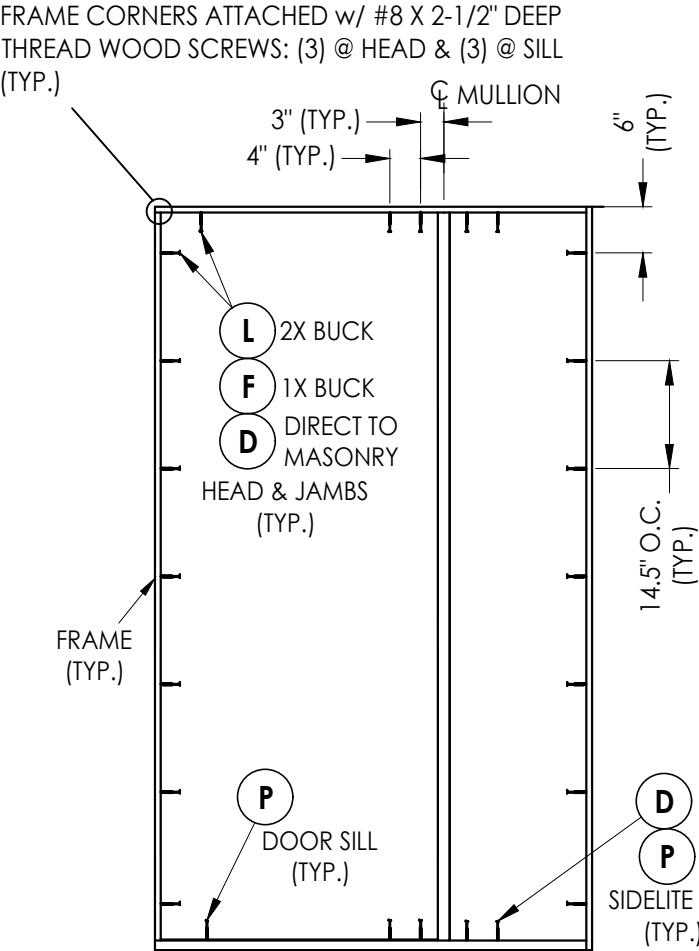
SHEET 11 OF 14



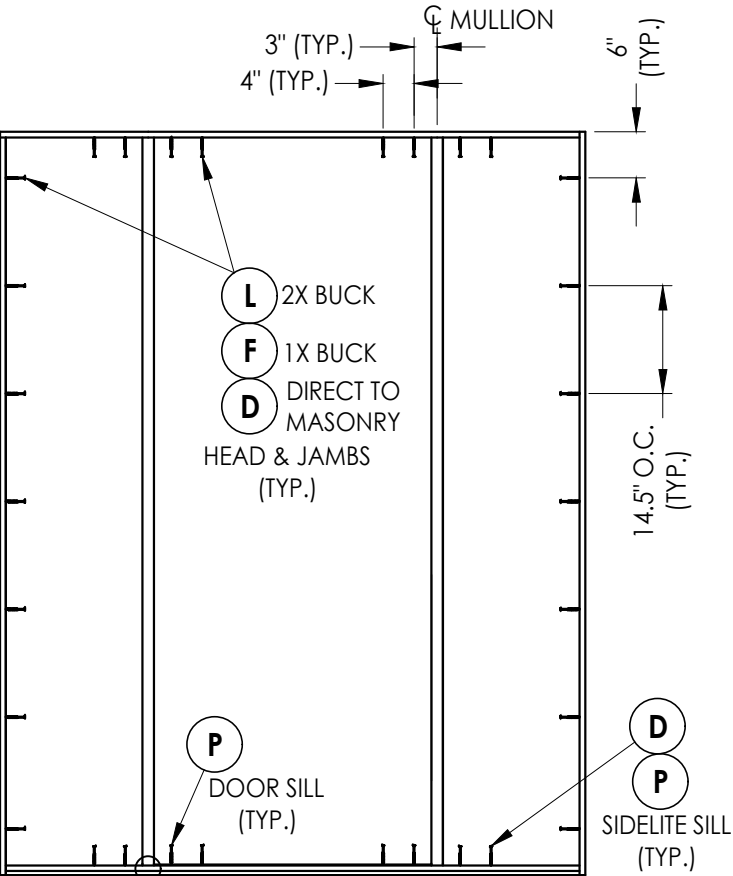
2X BUCK ANCHORING

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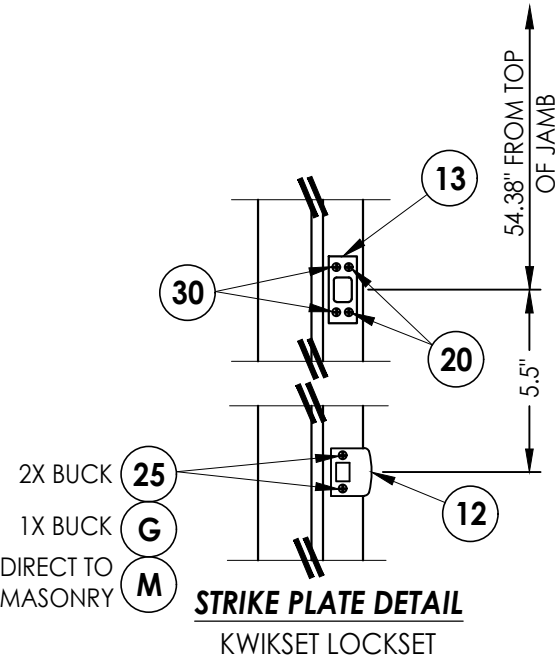
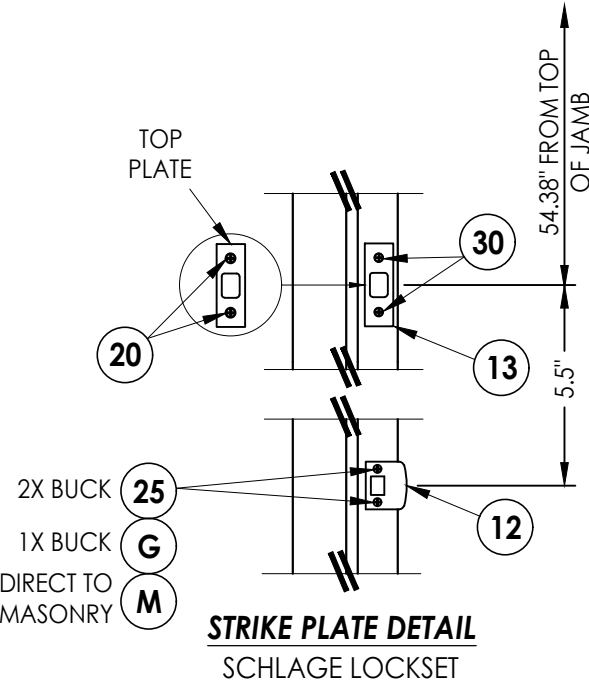
XO, OX



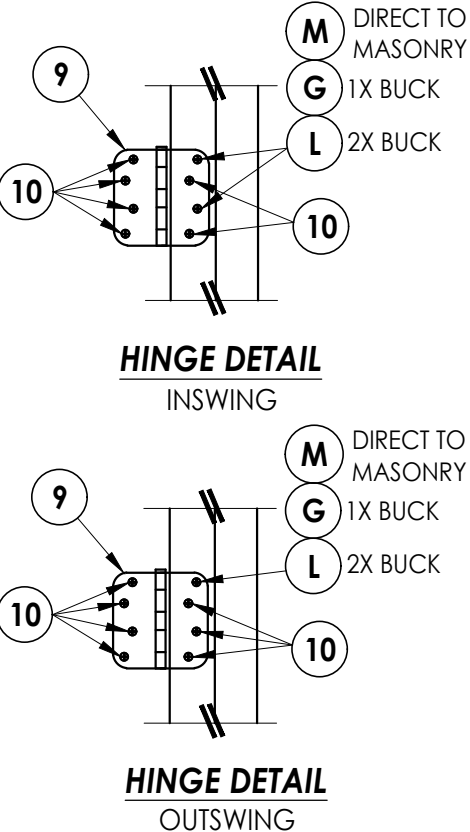
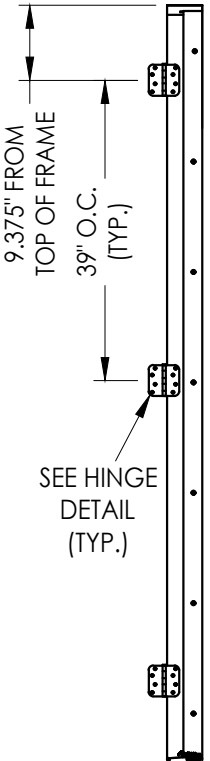
OXO

INTEGRAL MULLION ATTACHED TO
HEAD & SILL w/ (3) #8 X 2-1/2" FH
DEEP THREAD WOOD SCREWS (TYP.)

FRAME ANCHORING



HARDWARE DETAILS



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PRODUCT:	ODL FIBERGLASS DOOR	PART OR ASSEMBLY:	FRAME ANCHORING & HARDWARE DETAILS
		NO.	DATE
		BY	REVISIONS
DATE: 1/16/25		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-46120.10		SHEET 13 OF 14	

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	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB (WORLDWIDE OR PLASTPRO)	COMP
2	WOOD JAMB (FJ PINE OR PLASTPRO)	WOOD
3	COMPOSITE MULLION (ENDURA OR PLASTPRO)	PVC/WOOD
4	WOOD MULLION (PINE OR ENDURA)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
16	INSWING SIDELITE BASE	ALUM
20	#8 X 1/2" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
29	#10 X 3" FH COMPOSITE DECK SCREW	STEEL
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-
41	DOOR PANEL	-
50	SIDELITE PANEL	-
51	SIDELITE PANEL	-

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:

WOOD SCREW INSTALLATION NOTES:

- SHEET 14 OF 14