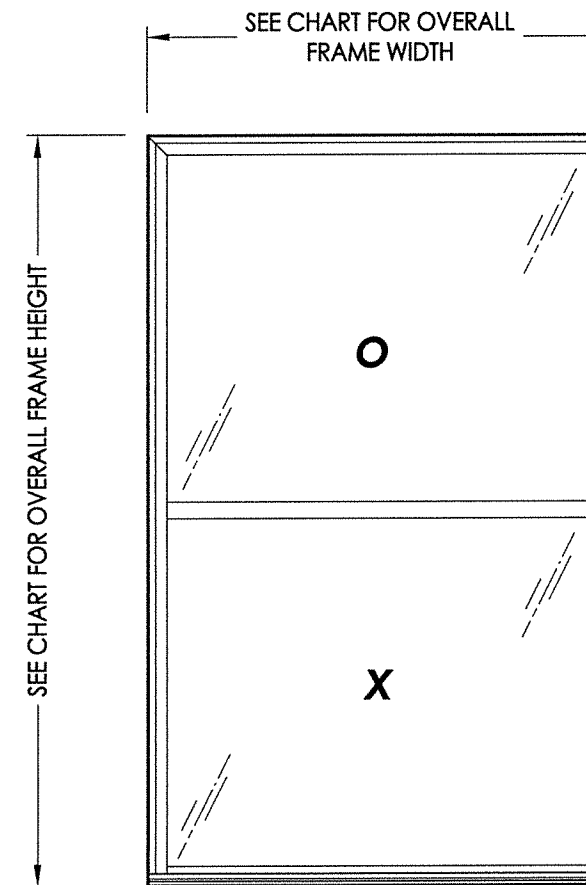


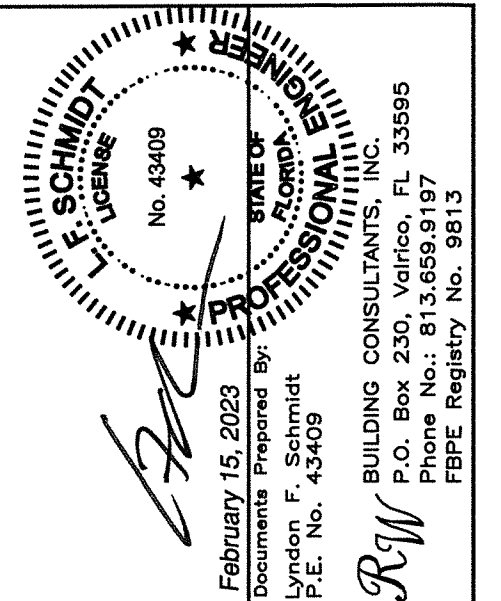
GENERAL NOTES

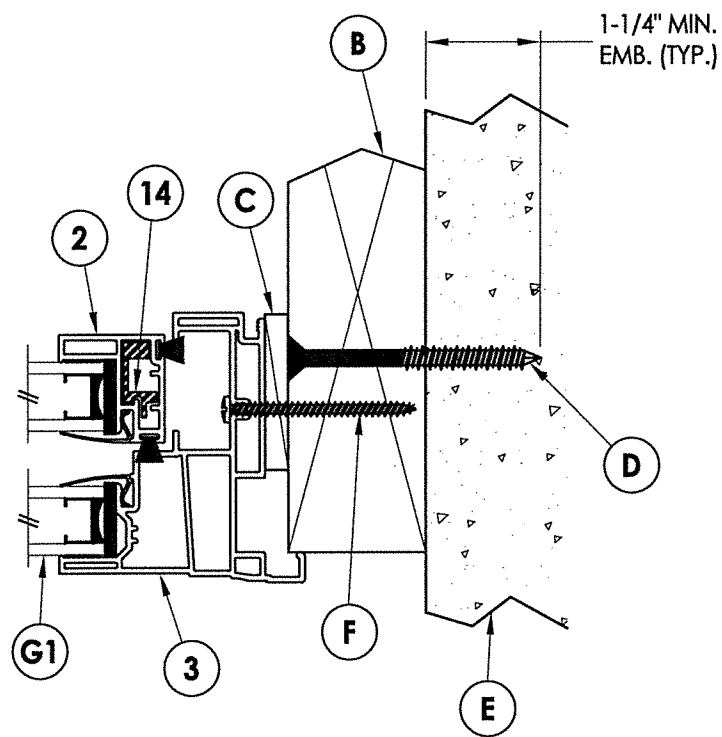
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 and general notes
2	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck & frame anchoring
5	Bill of materials, glazing detail & components



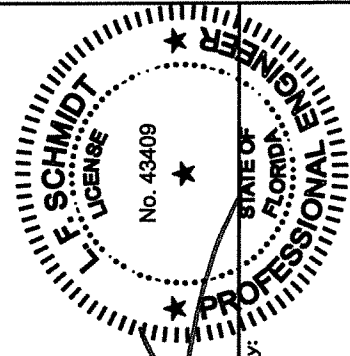
OVERALL FRAME DIMENSION	FIXED WINDOW OVERALL D.L.O. DIMENSION (O)	SASH OVERALL D.L.O. DIMENSION (X)	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
36.0" x 37.38"	31.375" x 16"	31.625" x 16"	G1	+50.0	-55.0
52.13" x 49.63"	47.5" x 21.625"	47.75" x 21.625"		+40.0	-40.0
52.13" x 71.0"	47.5" x 32.25"	47.5" x 32.25"		+35.0	-35.0

[illegible]



The technical drawings illustrate the 100 Series window frame installation details. The top view shows the frame (1) with a gasket (G1) and a drainage channel (2) installed into a concrete slab (E). The side view shows the frame (1) with a gasket (G1) and a drainage channel (2) installed into a concrete slab (E). The bottom view shows the frame (1) with a gasket (G1) and a drainage channel (2) installed into a concrete slab (E). The drawings include labels for various components: 1 (Frame), 2 (Drainage Channel), 3 (Gasket), 4 (Interior Sill), 5 (Exterior Sill), 6 (Interior Trim), 7 (Exterior Trim), 8 (Interior Seal), 9 (Exterior Seal), 10 (Interior Panel), 11 (Exterior Panel), 12 (Interior Hardware), 13 (Exterior Hardware), 14 (Interior Lock), 15 (Exterior Lock), 16 (Interior Handle), 17 (Exterior Handle), 18 (Interior Latch), 19 (Exterior Latch), 20 (Interior Bolt), 21 (Exterior Bolt), 22 (Interior Nut), 23 (Exterior Nut), 24 (Interior Washer), 25 (Exterior Washer), 26 (Interior Spacer), 27 (Exterior Spacer), 28 (Interior Sealant), 29 (Exterior Sealant), 30 (Interior Gasket), 31 (Exterior Gasket), 32 (Interior Foam), 33 (Exterior Foam), 34 (Interior Insulation), 35 (Exterior Insulation), 36 (Interior Vapor Barrier), 37 (Exterior Vapor Barrier), 38 (Interior Air Barrier), 39 (Exterior Air Barrier), 40 (Interior Water Barrier), 41 (Exterior Water Barrier), 42 (Interior Drainage), 43 (Exterior Drainage), 44 (Interior Ventilation), 45 (Exterior Ventilation), 46 (Interior Air Flow), 47 (Exterior Air Flow), 48 (Interior Temperature), 49 (Exterior Temperature), 50 (Interior Humidity), 51 (Exterior Humidity), 52 (Interior Pressure), 53 (Exterior Pressure), 54 (Interior Wind Load), 55 (Exterior Wind Load), 56 (Interior Snow Load), 57 (Exterior Snow Load), 58 (Interior Ice Load), 59 (Exterior Ice Load), 60 (Interior Rain Load), 61 (Exterior Rain Load), 62 (Interior Sun Load), 63 (Exterior Sun Load), 64 (Interior Noise Load), 65 (Exterior Noise Load), 66 (Interior Air Quality), 67 (Exterior Air Quality), 68 (Interior Light Load), 69 (Exterior Light Load), 70 (Interior Sound Load), 71 (Exterior Sound Load), 72 (Interior Vibration Load), 73 (Exterior Vibration Load), 74 (Interior Shock Load), 75 (Exterior Shock Load), 76 (Interior Impact Load), 77 (Exterior Impact Load), 78 (Interior Fire Load), 79 (Exterior Fire Load), 80 (Interior Corrosion Load), 81 (Exterior Corrosion Load), 82 (Interior Pollution Load), 83 (Exterior Pollution Load), 84 (Interior Radiation Load), 85 (Exterior Radiation Load), 86 (Interior Magnetic Load), 87 (Exterior Magnetic Load), 88 (Interior Electric Load), 89 (Exterior Electric Load), 90 (Interior Thermal Load), 91 (Exterior Thermal Load), 92 (Interior Mechanical Load), 93 (Exterior Mechanical Load), 94 (Interior Chemical Load), 95 (Exterior Chemical Load), 96 (Interior Biological Load), 97 (Exterior Biological Load), 98 (Interior Physical Load), 99 (Exterior Physical Load), 100 (Interior Environmental Load), 101 (Exterior Environmental Load).

2 VERTICAL CROSS SECTION
2x Buck Construction

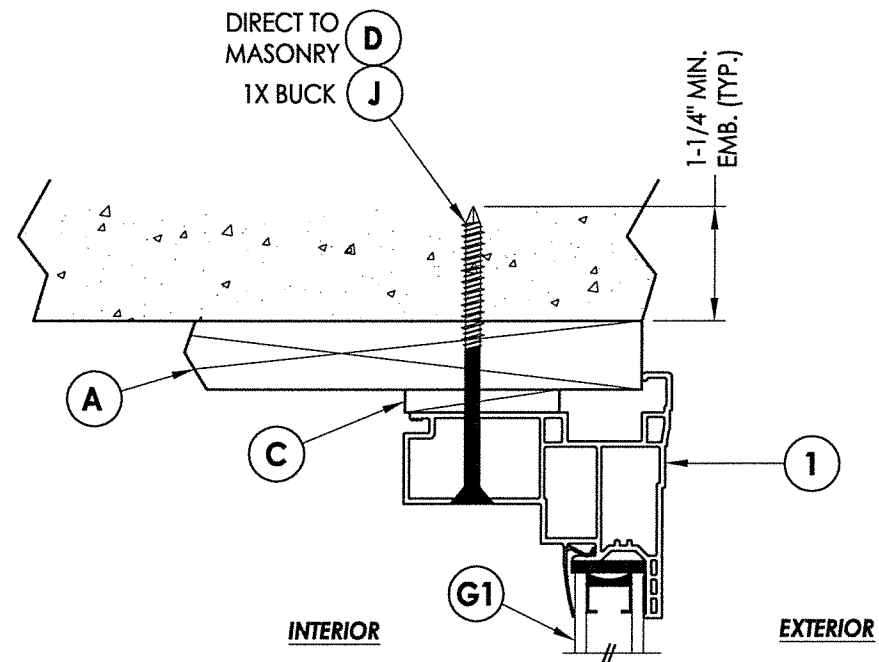


February 15, 2023
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

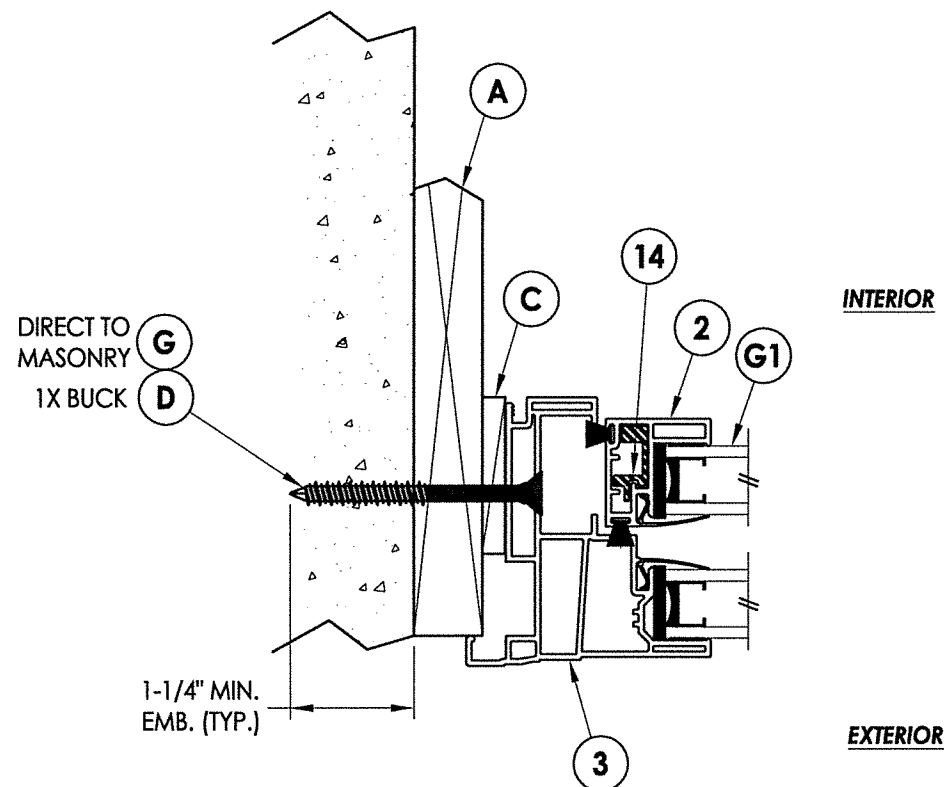
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		SINGLE HUNG WINDOW		PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
DATE: 2/09/23							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.:		FL-26514.13					
SHEET 2 OF 5							

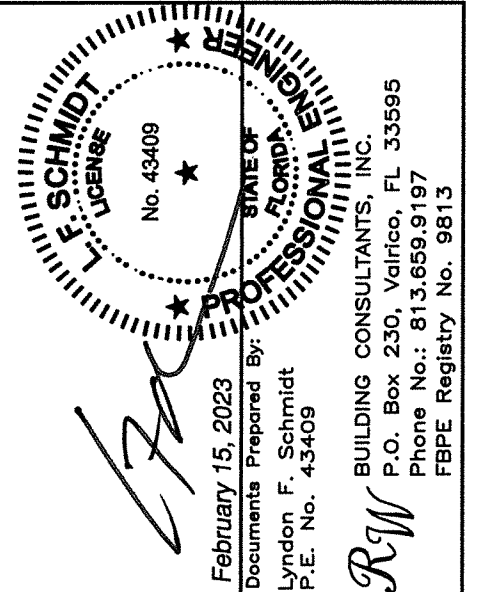
1 3 **VERTICAL CROSS SECTION** Steel Stud Construction



3 HORIZONTAL CROSS SECTION
 Shown w/1X Sub-buck
 Direct to Masonry Similar



2 HORIZONTAL CROSS SECTION
3 Shown w/1X Sub-buck
 Direct to Masonry Similar



DATE: 2/09/23		REVISIONS		NO. DATE		BY		PRODUCT:	
SCALE: N.T.S.								SINGLE HUNG WINDOW	
DWG. BY: LFS									
CHK. BY: RW									
DRAWING NO.:									
FL-26514.13		VERTICAL & HORIZONTAL CROSS SECTIONS							
SHEET 3 OF 5									

Diagram illustrating the elevation view of a window frame assembly, showing internal components and dimensions.

Internal Components (Left Side):

- H** 2X BUCK
- J** 1X BUCK
- D** DIRECT TO MASONRY
- K** STEEL STUD

Internal Components (Right Side):

- F** 2X BUCK
- D** 1X BUCK
- G** DIRECT TO MASONRY
- K** STEEL STUD

Other Labels:

- FRAME** (points to the outer frame)
- BUCK/STUD** (points to the internal structural members)
- JAMBS (TYP.)** (points to the vertical frame members)
- MEETING RAIL** (points to the horizontal rail at the bottom)

Dimensions:

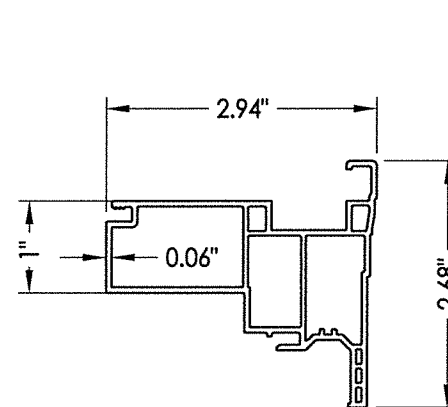
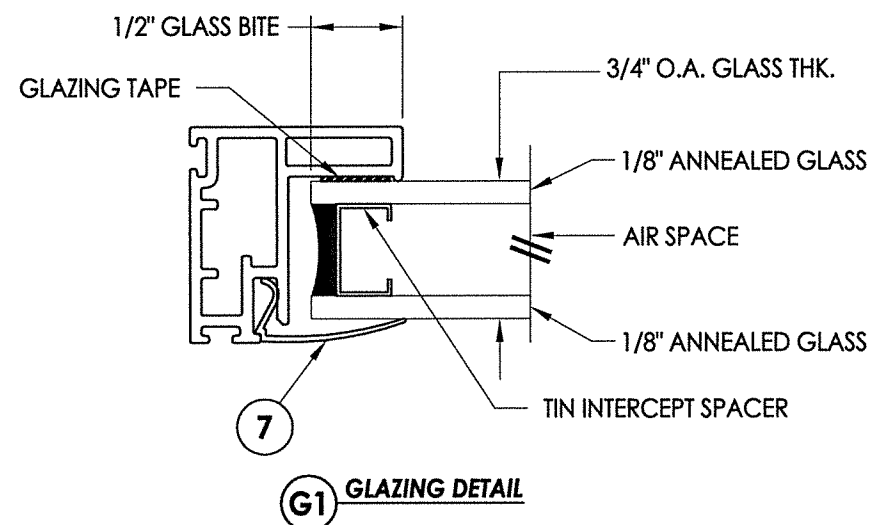
- 5" (TYP.)** (Horizontal dimension at the top)
- 5" MAX. (TYP.)** (Vertical dimension on the right side, top section)
- 4" MAX. (TYP.)** (Vertical dimension on the right side, bottom section)

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

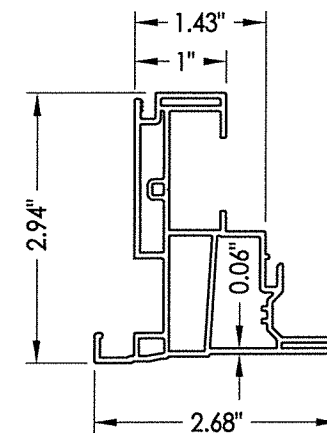
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
G	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	#8 X 2-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
J	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	EXTRUDED VINYL FRAME HEAD*	RIGID PVC
2	EXTRUDED VINYL SASH STILE/RAIL*	RIGID PVC
3	EXTRUDED VINYL FRAME JAMB*	RIGID PVC
4	EXTRUDED VINYL LOCK RAIL*	RIGID PVC
5	EXTRUDED VINYL MEETING STILE*	RIGID PVC
6	EXTRUDED VINYL SILL*	RIGID PVC
7	EXTRUDED VINYL GLAZING BEAD*	RIGID PVC
8	WEATHERSTRIP (FIN PILE)	-
14	SASH / STILE & RAIL REINFORCEMENT (S-047) (6063-T5)	ALUM
15	MEETING RAIL REINFORCEMENT (S-065) (6063-T5)	ALUM
20	CAM LOCK	-

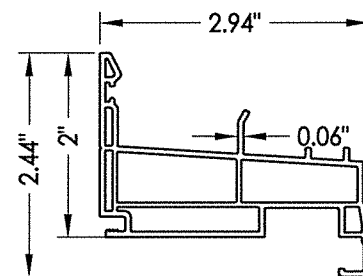
*THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS."



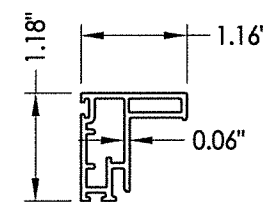
1 FRAME HEAD



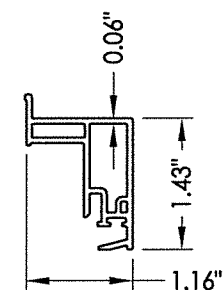
3 FRAME JAMB



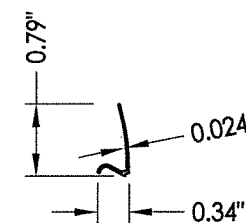
6 SILL



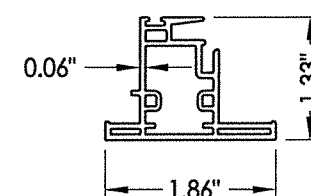
2 SASH STILE/RAIL



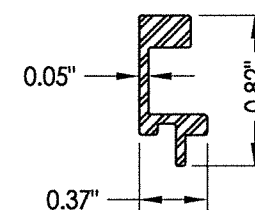
4 LOCK RAIL



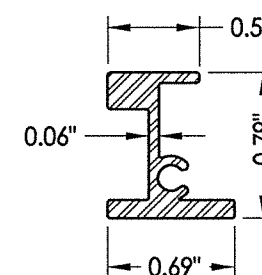
7 GLAZING BEAD



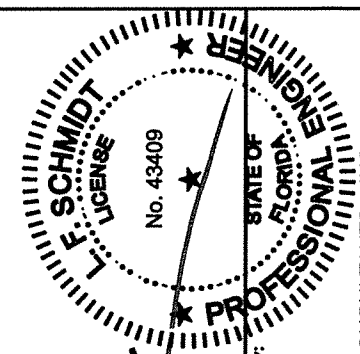
5 MEETING RAIL



14 SASH/STILE & RAIL REINFORCEMENT



15 MEETING RAIL REINFORCEMENT



February 15, 2023
Documents Prepared
Lyndon F. Schmidtt
P.E. No. 43409

RW BUILDING
P.O. Box
Phone No.
FBPE Reg

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