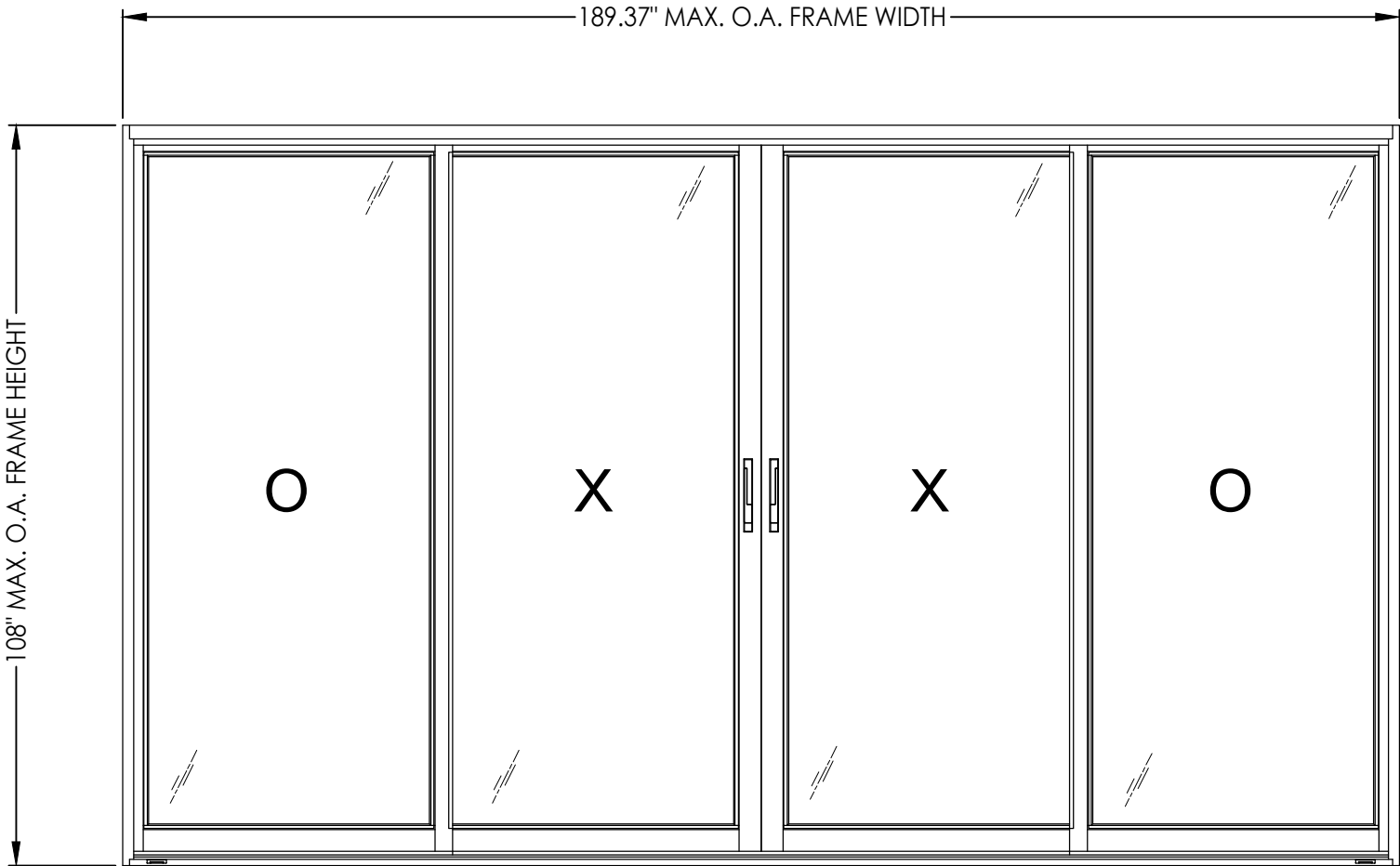


URBANIA-LOFT
SLIDING PATIO DOOR
"NON-IMPACT"

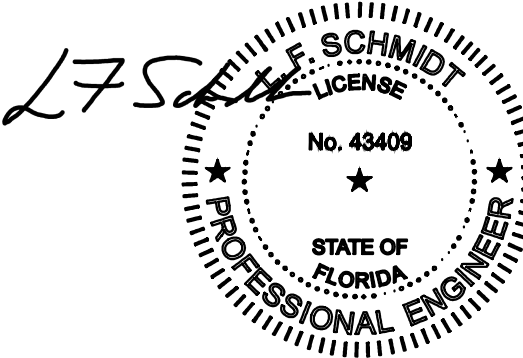
GENERAL NOTES

1. This product anchoring drawing is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications and ratings.
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	Horizontal cross sections
3	Vertical cross sections
4	Buck anchoring
5	Frame anchoring
6	Bill of materials, glazing details & components



MAX. FRAME DIMENSION	MAX. FIXED PANEL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)		STEEL REINFORCEMENT REQUIRED
			POSITIVE	NEGATIVE	
189.37" X 108"	43.15" x 100"	G1	+40.0	-40.0	YES



Digitally signed by Lyndon F Schmidt
Date: 2023.09.14 09:55:16 -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

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

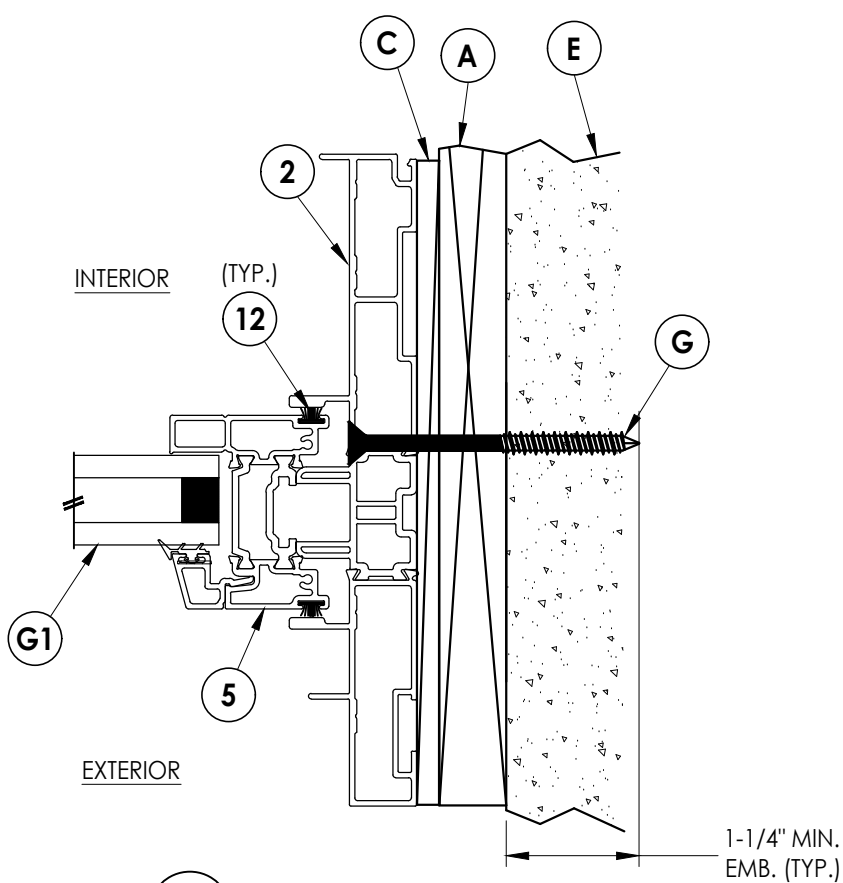
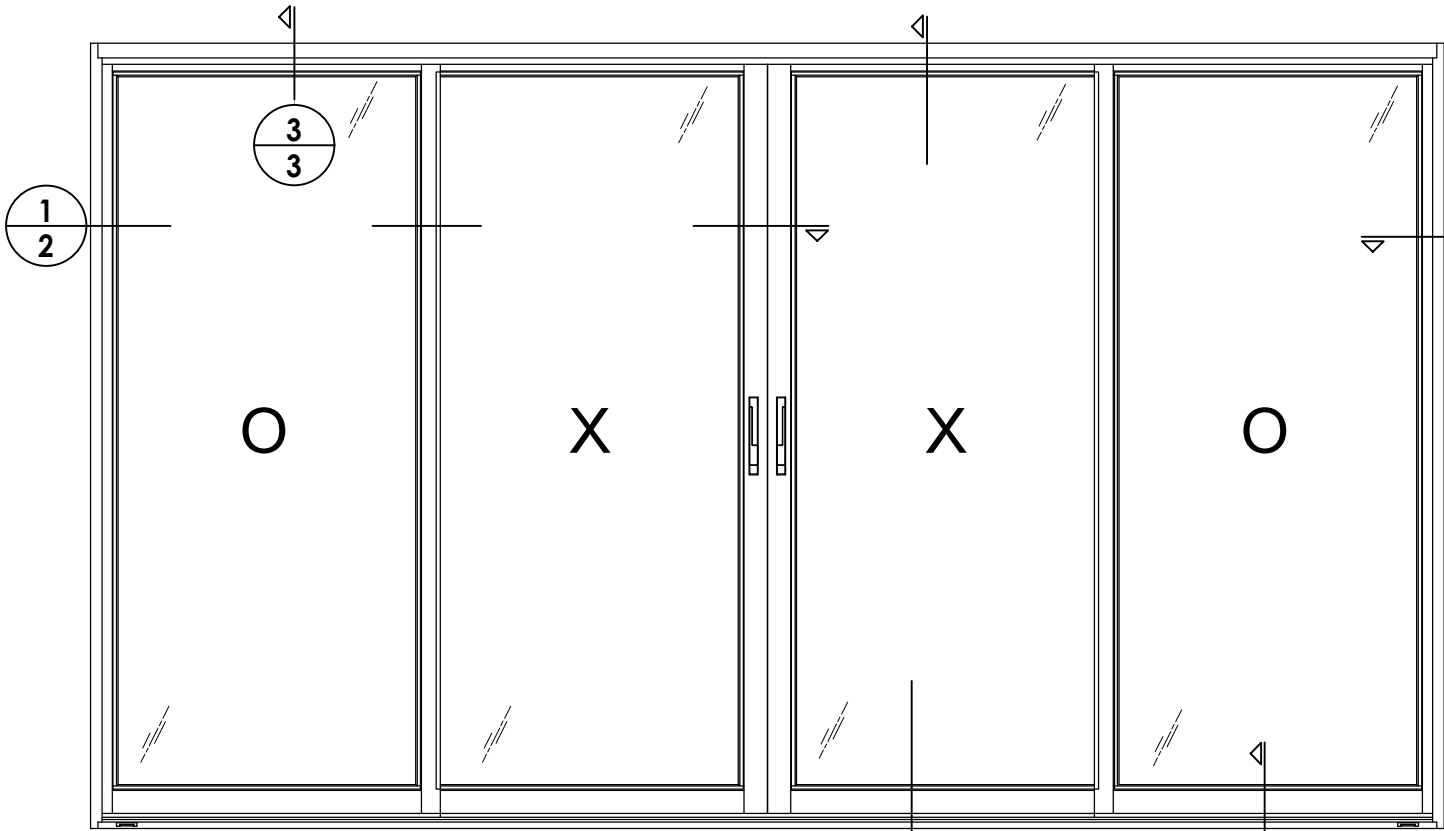
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: NOVATECH PATIO DOOR
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

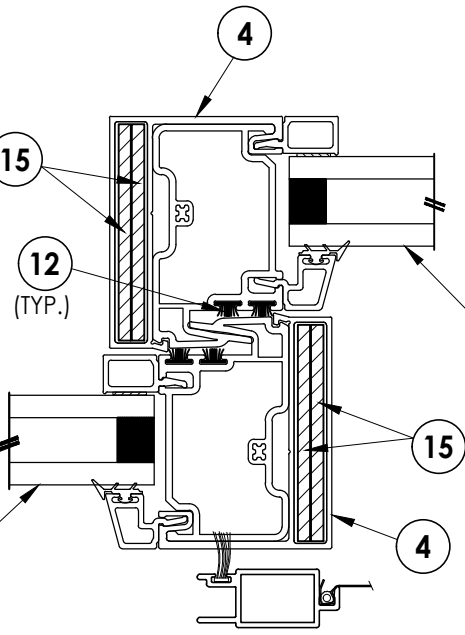
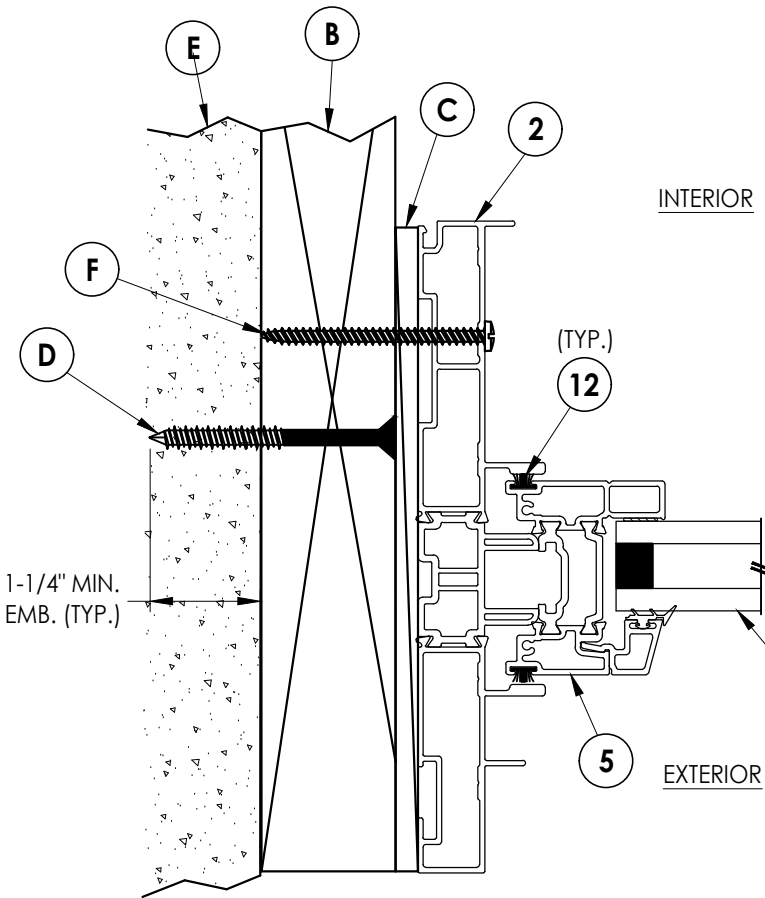
REVISIONS	
NO.	DATE
1	9/13/23
UPDATE TO 8TH ED. (2023) FBC	
LFS	BY

DATE: 2/02/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-30514.5
SHEET 1 OF 6

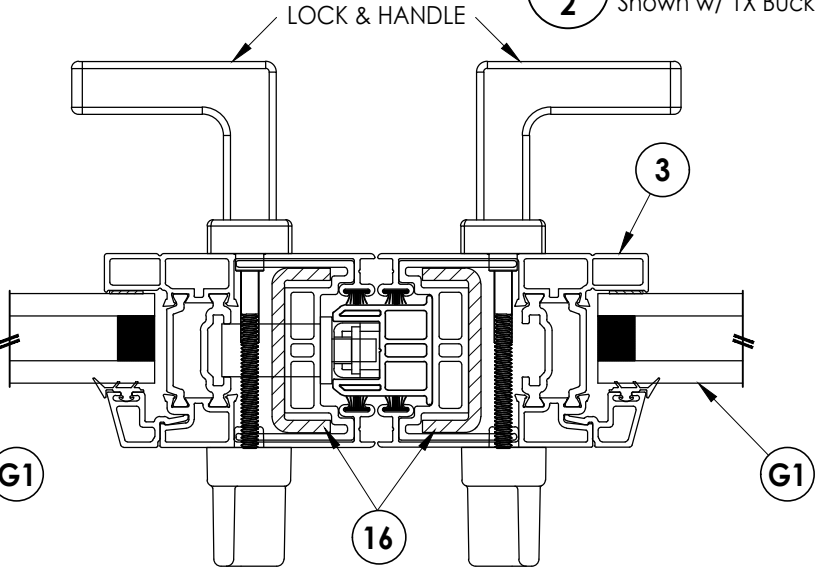
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**2
2** **HORIZONTAL CROSS SECTION**
Shown w/ 1X Buck Construction



**1
2** **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck



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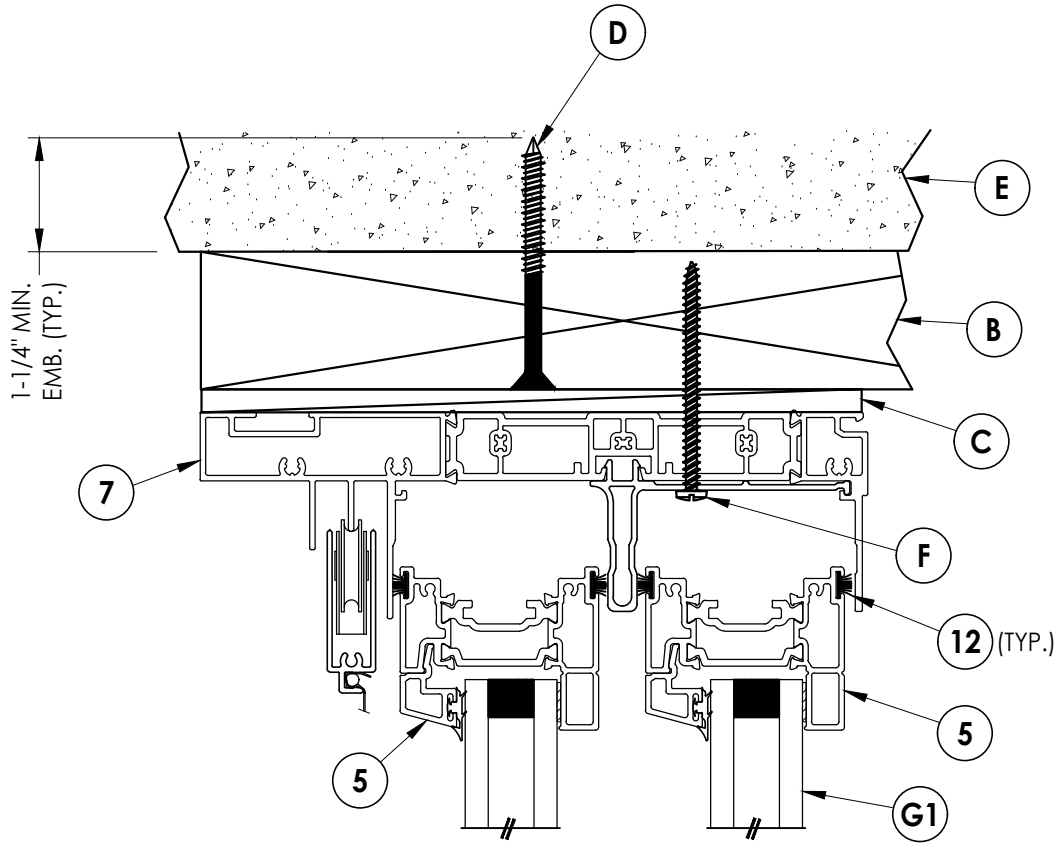
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: NOVATECH PATIO DOOR
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO	DATE	REVISIONS
1	9/13/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 2/02/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-30514.5
SHEET 2 OF 6

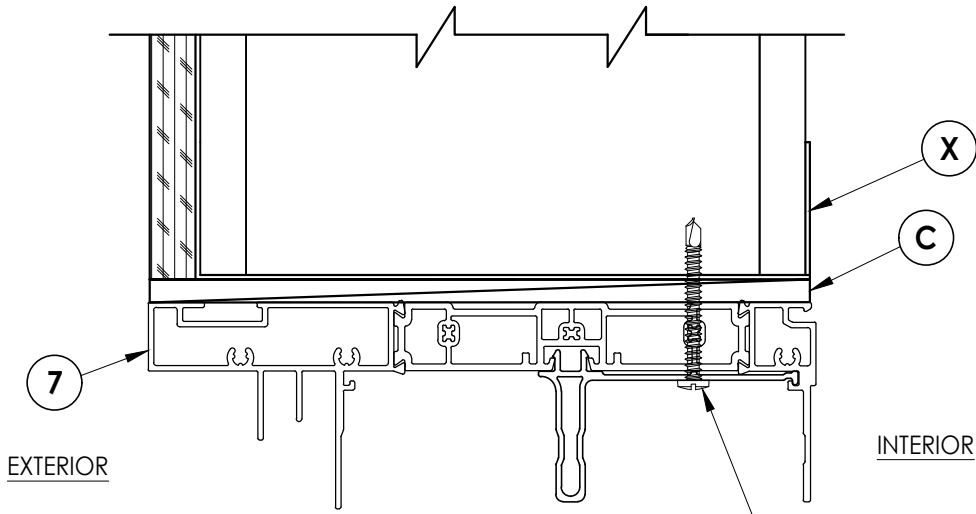
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EXTERIOR

INTERIOR

1
3 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck

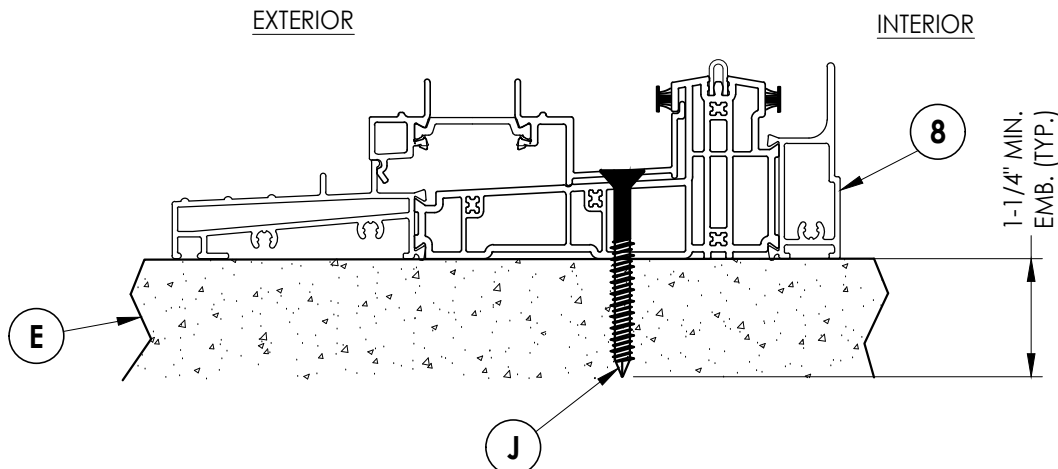


EXTERIOR

INTERIOR

3
3 **VERTICAL CROSS SECTION**
Shown w/ Steel Stud Framing

K NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through metal stud. Maintain a minimum 5/8" edge distance.



EXTERIOR

INTERIOR

2
3 **VERTICAL CROSS SECTION**
Shown Direct to Masonry

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:
NOVATECH
PATIO DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

REVISIONS	
NO.	DATE
1	9/13/23
2	UPDATE TO 8TH ED. (2023)
3	FBC
4	LFS
5	BY

DATE: 2/02/22

SCALE: N.T.S.

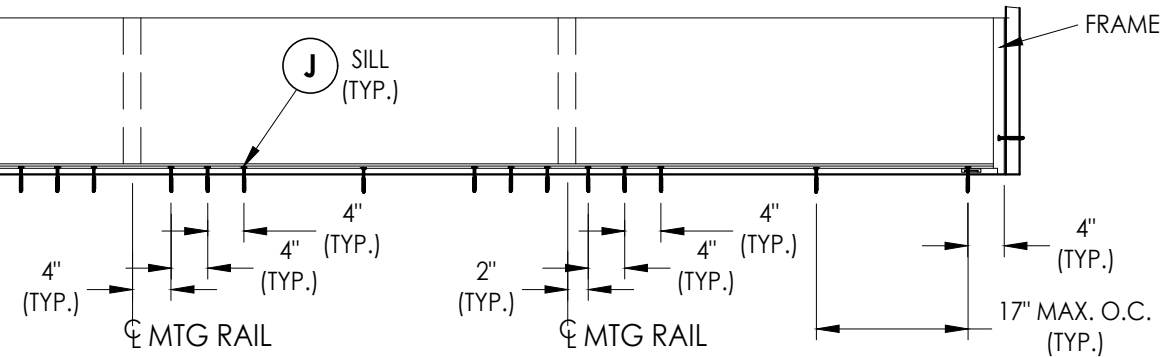
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CHK. BY: LFS

DRAWING NO.:

FL-30514.5

SHEET 3 OF 6

[illegible]

DATE:	2/02/22
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-30514.5
SHEET	5 OF 6

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Lyndon F. Schmidt
P.E. No. 43409

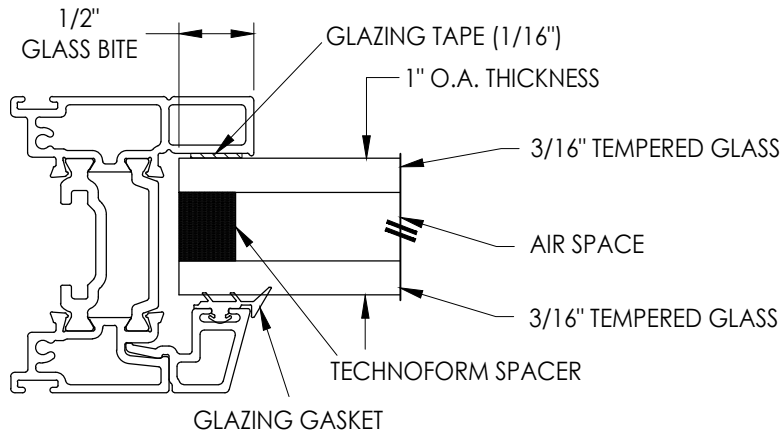
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Phone No.: 813.659.9197
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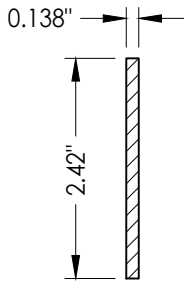
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
G	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#14 PPH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 ksi min., Fu=45 ksi min.)	STEEL
2	FIXED FRAME*	6063-T5 ALUM/PVC
3	LOCK STILE*	6063-T5 ALUM/PVC
4	MEETING STILE*	6063-T5 ALUM/PVC
5	FIXED STILE/TOP RAIL	6063-T5 ALUM
6	BOTTOM RAIL	6063-T5 ALUM
7	HEAD*	6063-T5 ALUM/PVC
8	SILL*	6063-T5 ALUM/PVC
11	ROLLER ASSM. w/ S.S. TRACK	-
12	WEATHERSTRIP	-
15	10 GA. (0.138") STEEL REINFORCEMENT	STEEL
16	10 GA. (0.138") STEEL REINFORCEMENT	STEEL
20	INSTALLATION CLIP	STEEL
21	#10 X 1-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL

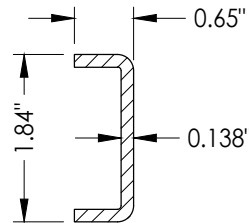
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATIONS PROGRAMS FOR RIGID PVC EXTRUSIONS".



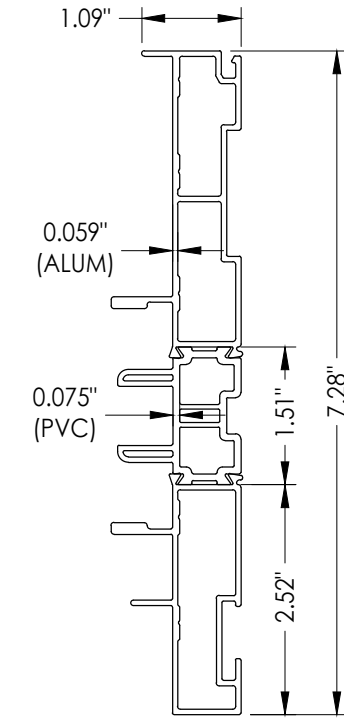
G1 GLAZING DETAIL



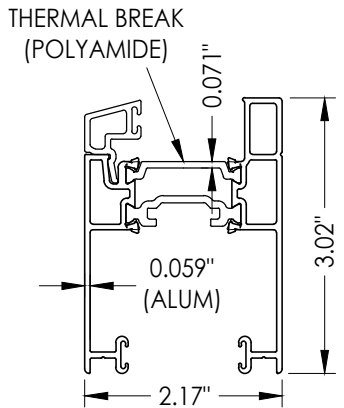
15 STEEL REINFORCEMENT
101.2" LONG



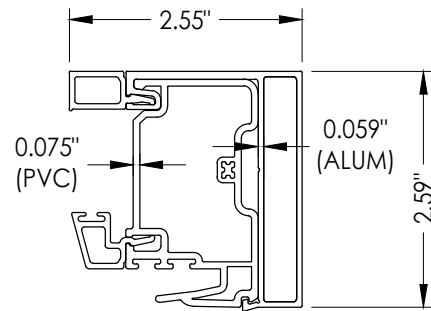
16 STEEL REINFORCEMENT
99.7" LONG



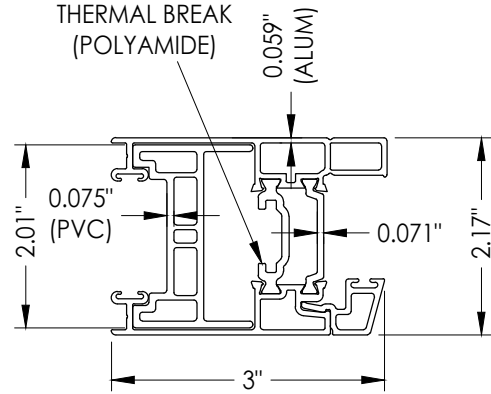
2 FIXED FRAME



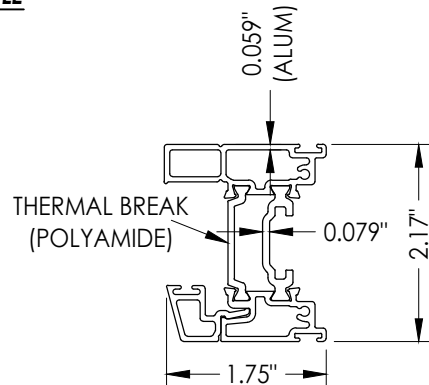
6 BOTTOM RAIL



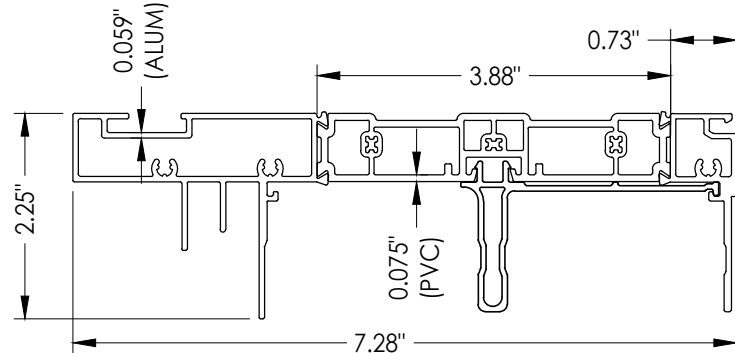
4 MEETING STILE



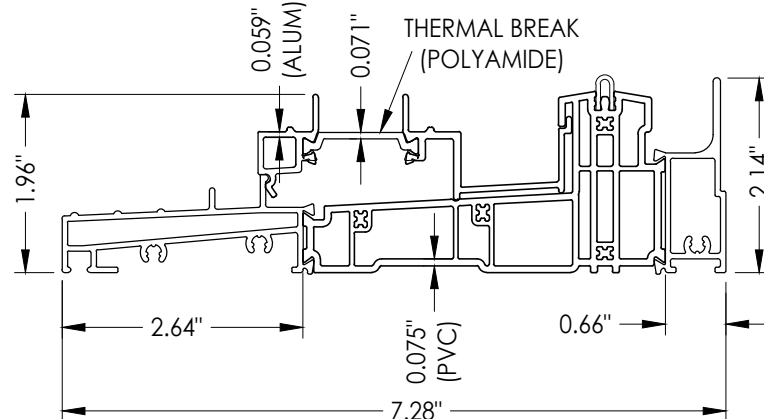
3 LOCK STILE



5 FIXED STILE/TOP RAIL



7 HEAD



8 SILL

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PRODUCT:

NOVATECH
PATIO DOOR

PART OR ASSEMBLY:

BILL OF MATERIALS, GLAZING
DETAILS & COMPONENTS

DATE: 2/02/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-30514.5

SHEET 6 OF 6