

R-301/401
SLIDING PATIO DOOR
w/ NAILING FIN
"NON-IMPACT"

GENERAL NOTES

1.

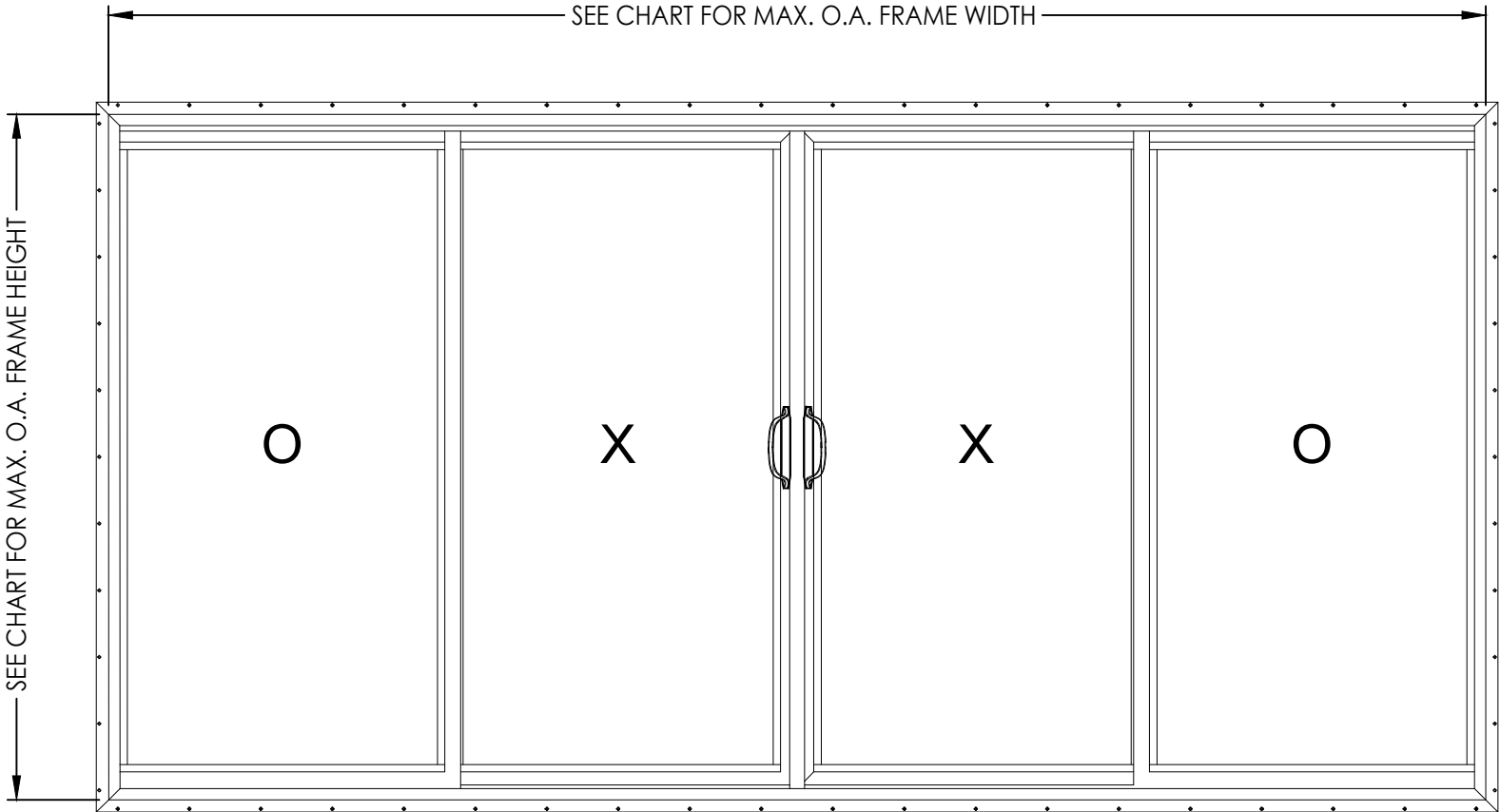
This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2.

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.

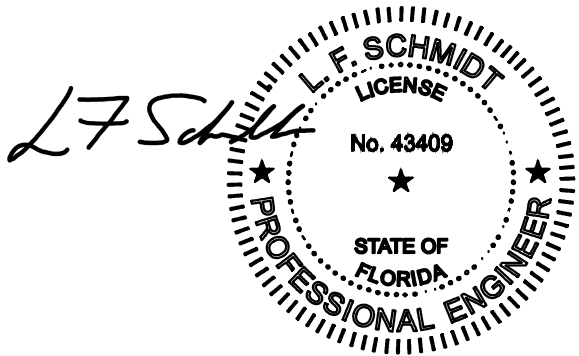
When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4.

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. D.I.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
191.5" X 95.5"	31.9" x 88.7"	G1	+35.0	-35.0



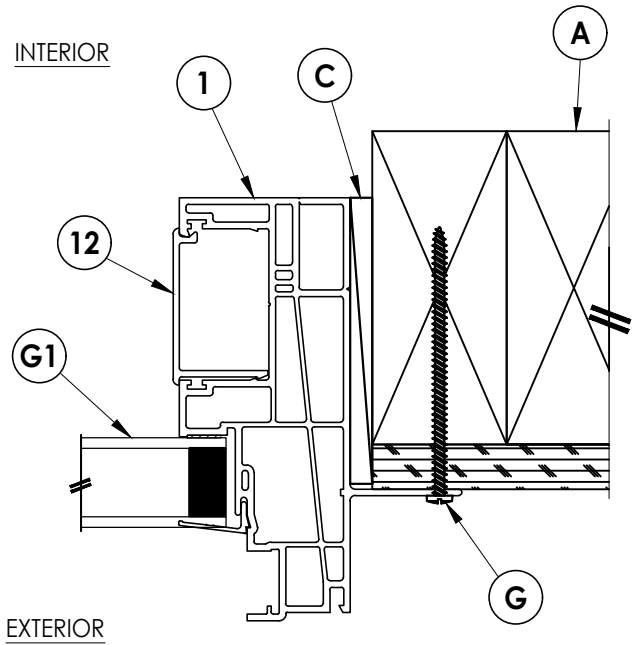
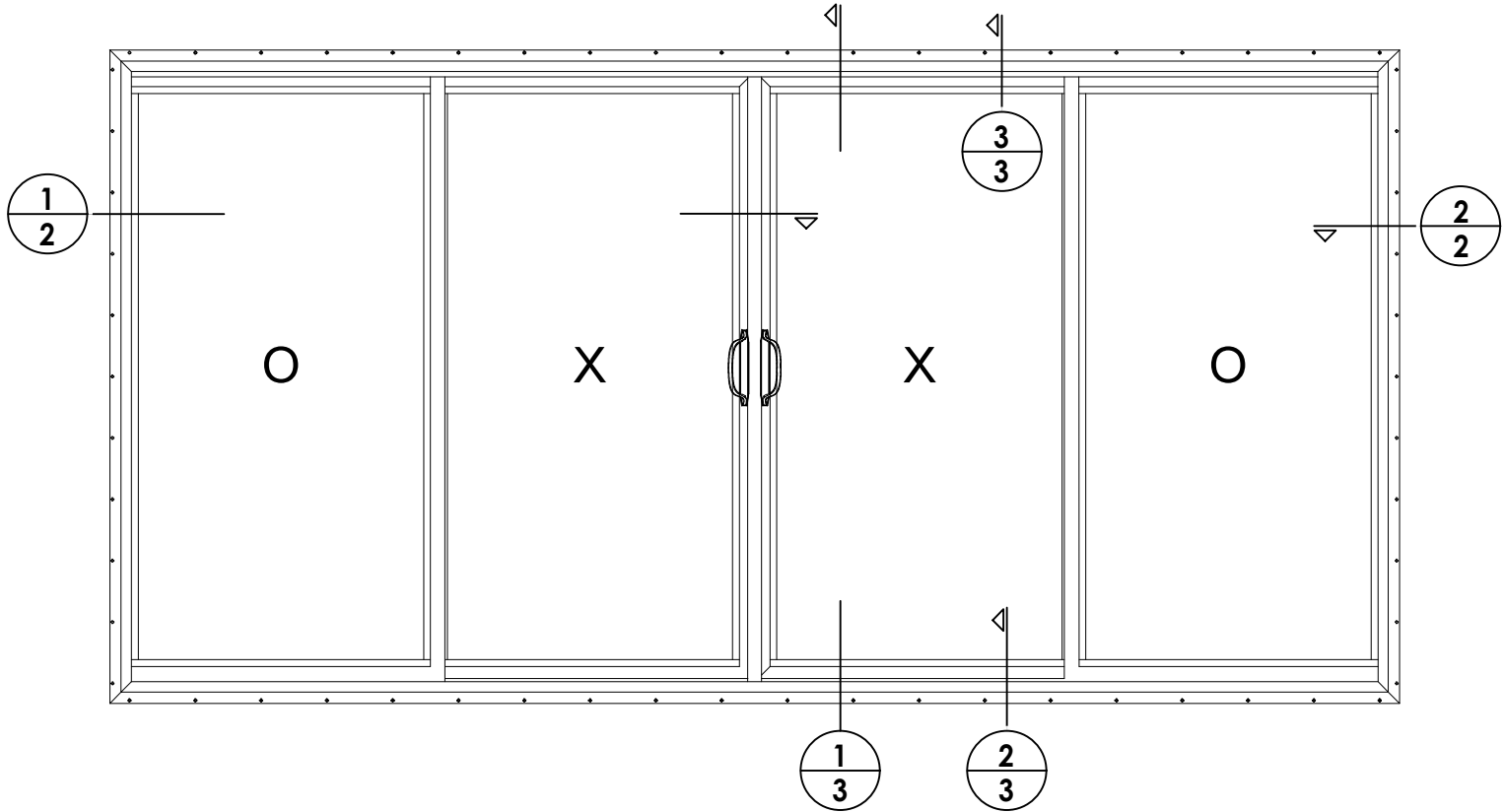
Digitally signed by
Lyndon F Schmidt
Date: 2023.09.14
09:32:40 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
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must be verified on any electronic copies.

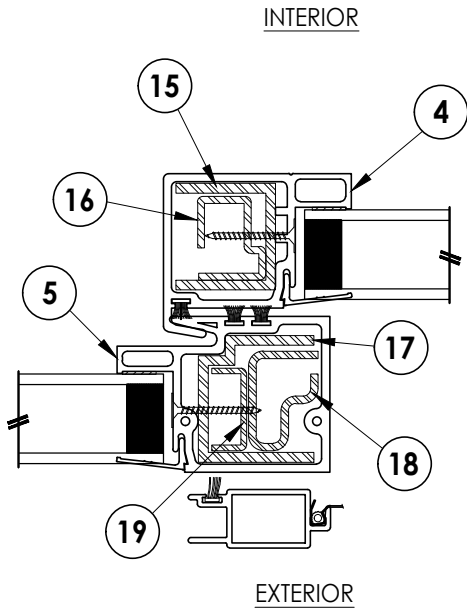
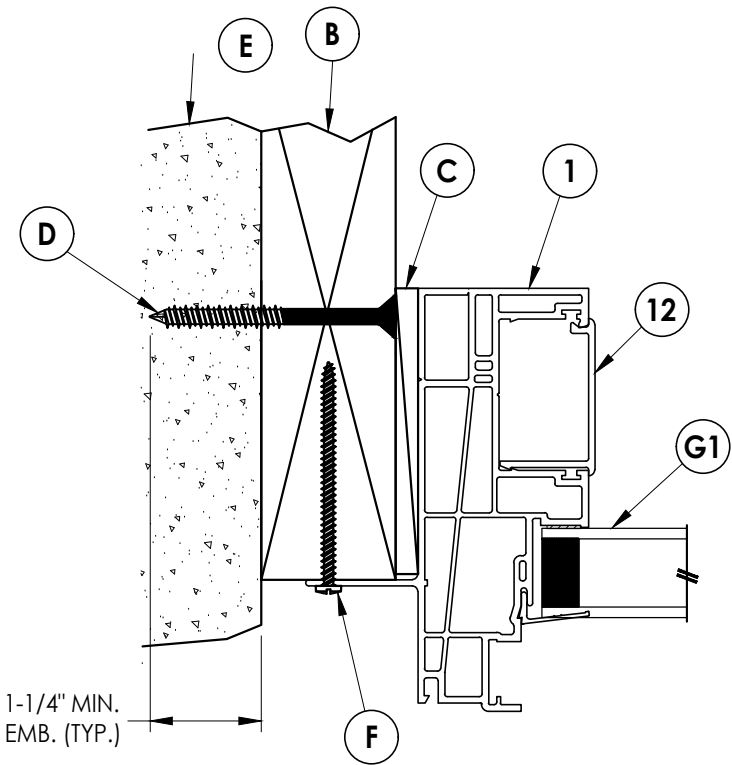
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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PRODUCT: NOVATECH PATIO DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
		LFS	LFS
		2	9/14/23
		1	10/01/20
		NO.	DATE
		REVISIONS	
		DATE: 7/03/18	
		SCALE: N.T.S.	
		DWG. BY: JK	
		CHK. BY: LFS	
		DRAWING NO.: FL-27628.10	
		SHEET 1 OF 6	

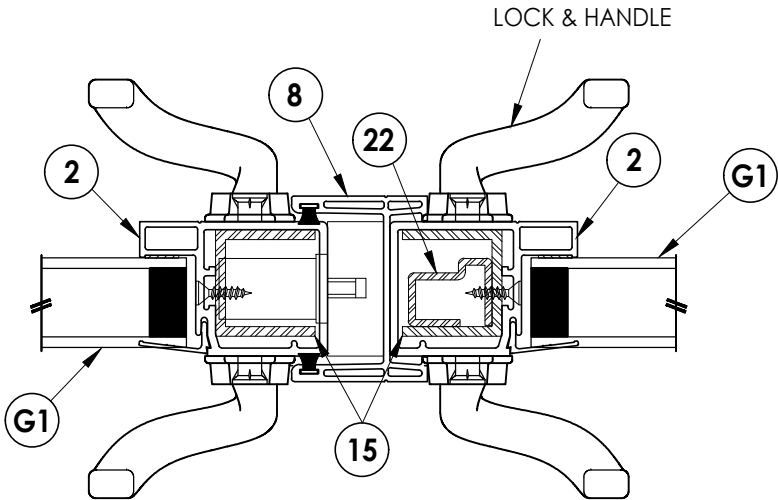
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2
2 **HORIZONTAL CROSS SECTION**
Shown w/ Stud Construction

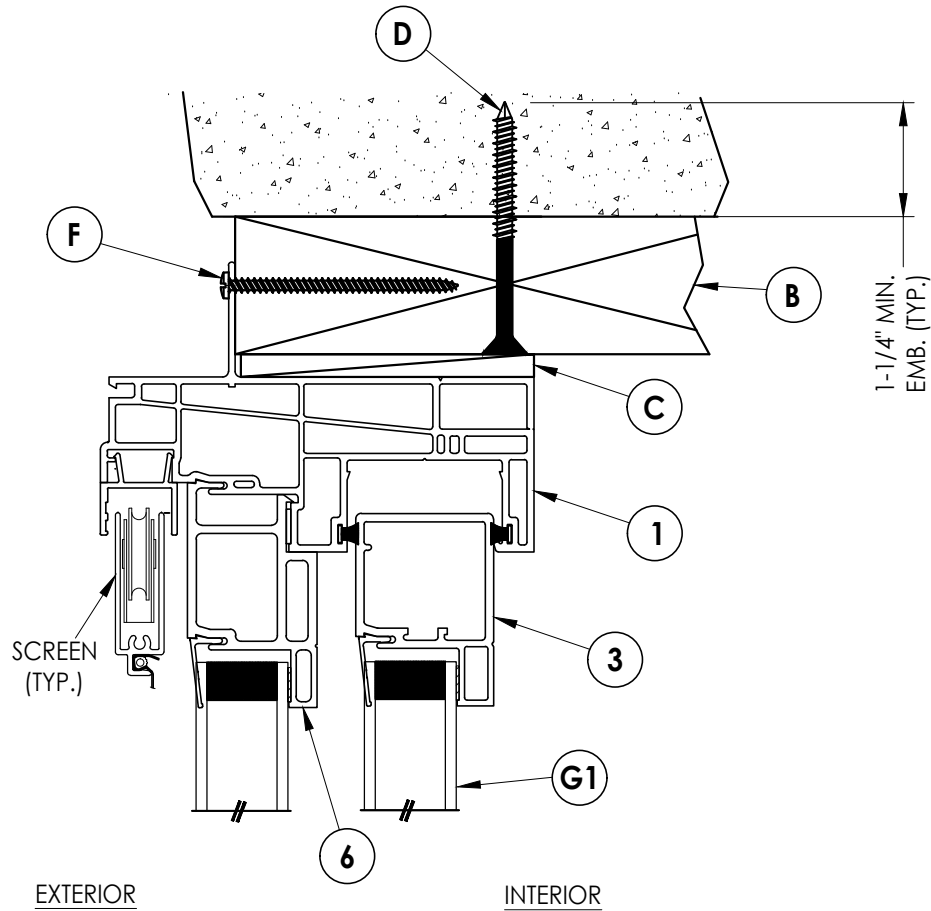


1
2 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck

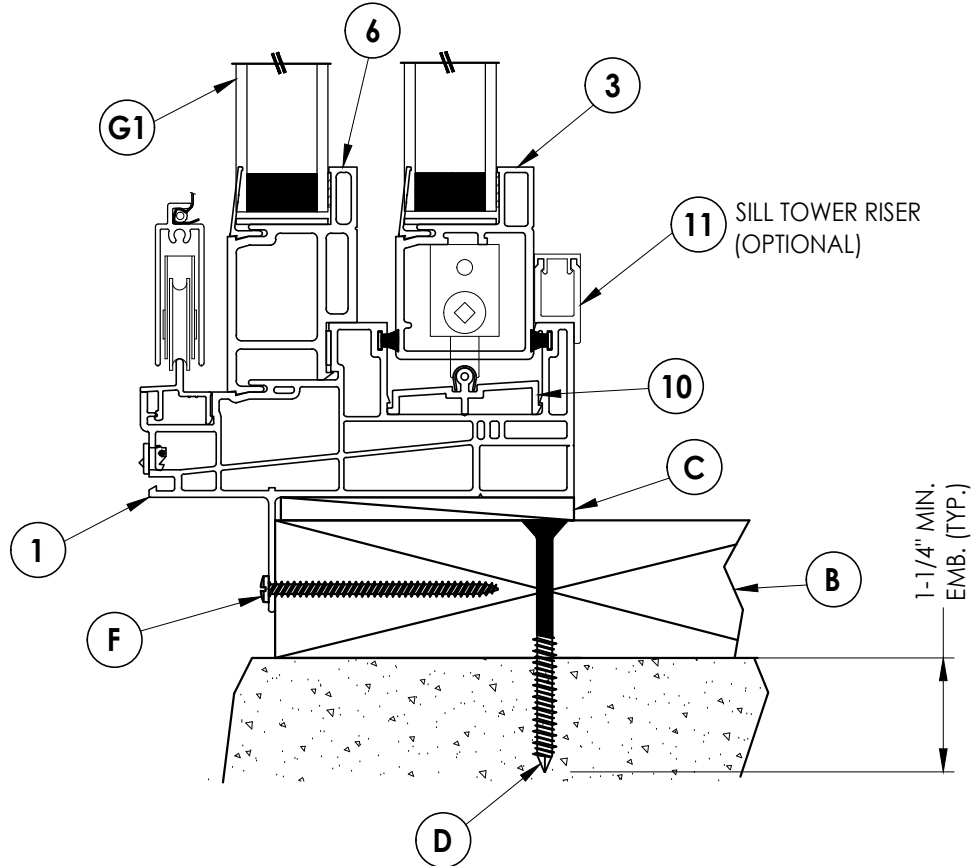


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PRODUCT: NOVATECH PATIO DOOR				PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS				
				2	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
				1	10/01/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
				NO.	DATE			BY
				REVISIONS				
DATE: 7/03/18								
SCALE: N.T.S.								
DWG. BY: JK								
CHK. BY: LFS								
DRAWING NO.: FL-27628.10								
SHEET 2 OF 6								

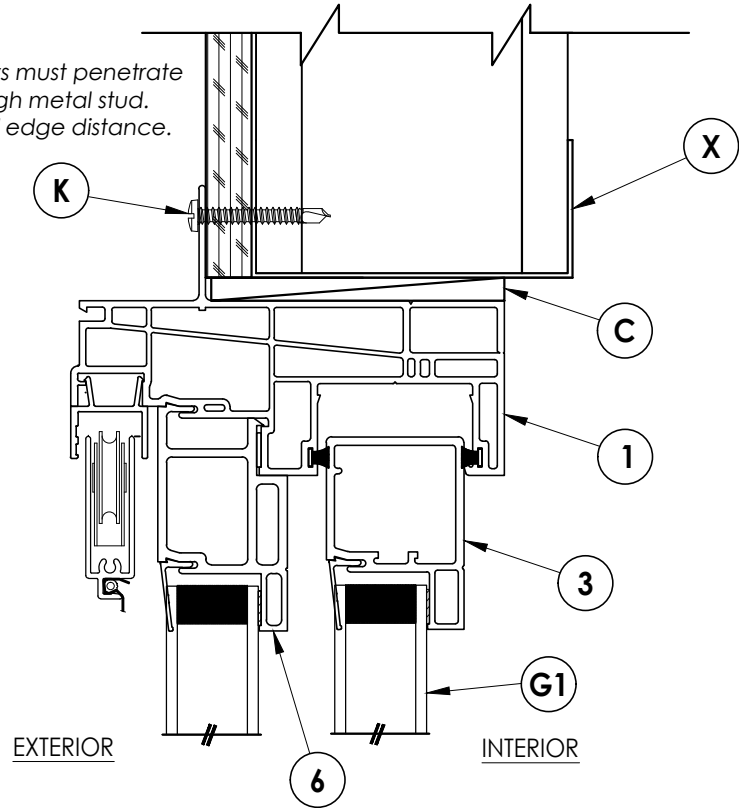
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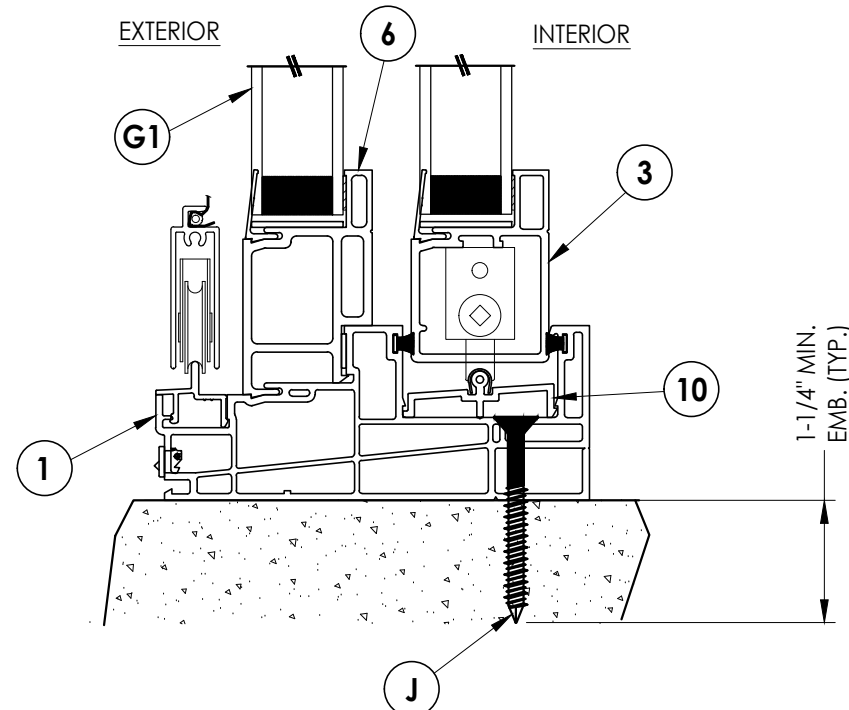
1
3 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Shown w/ Sill Tower Riser



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



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



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

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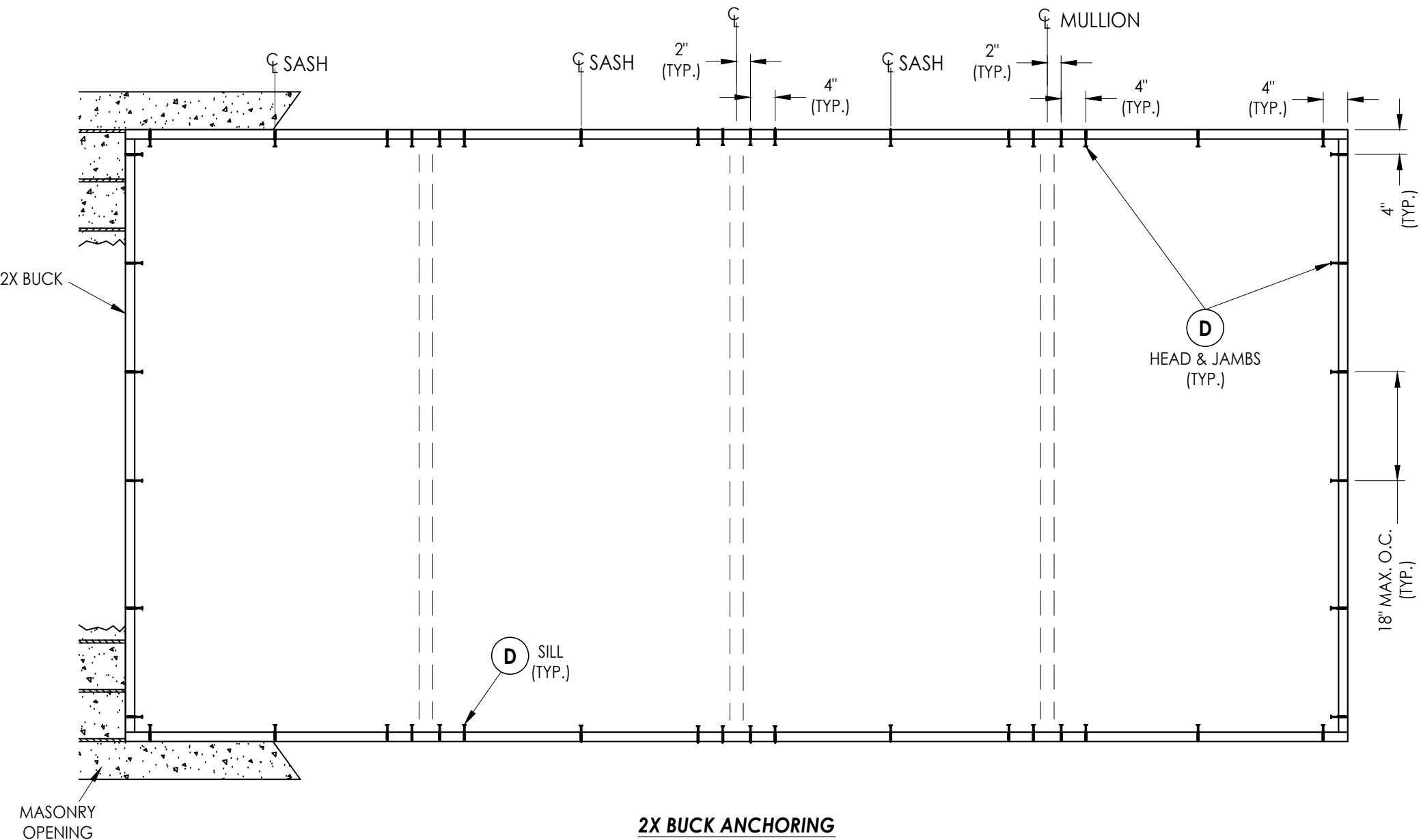
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
NOVATECH
PATIO DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS		
		DATE	BY	
2	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	10/01/20	UPDATE TO 7TH ED. (2020)	FBC	LFS

DATE: 7/03/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-27628.10
SHEET 3 OF 6



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 TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	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.

[illegible]

DATE: 7/03/18

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-27628.10

SHEET 4 OF 6

PRODUCT:

NOVATECH

PART OR ASSEMBLY:

BUCK ANCHORING

REVISIONS

Documents Prepared By:

Lyndon F. Schmidt

No. 4340

Reed Building Consultants, Inc.

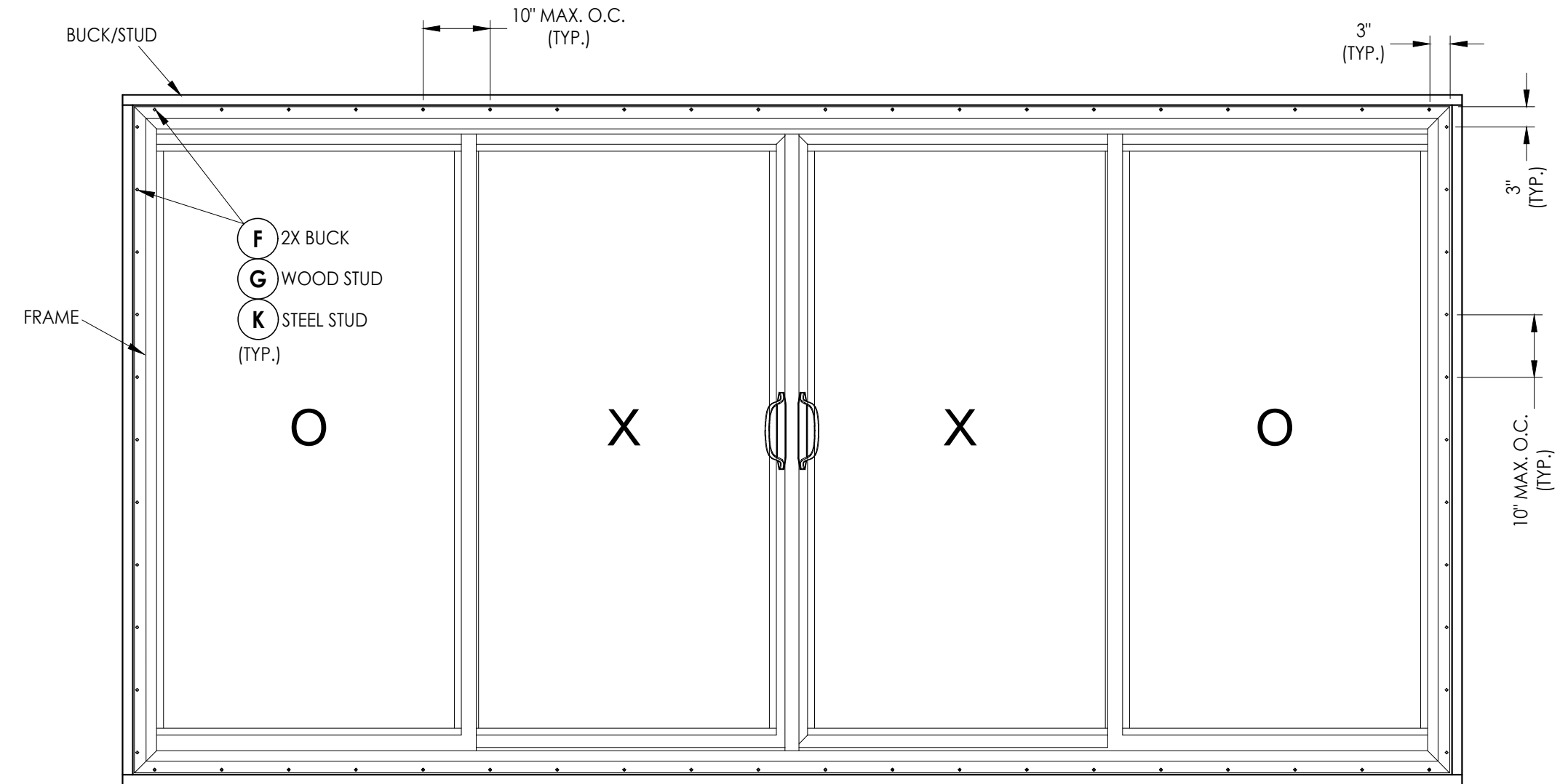
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Phone No.: 813.659.9197

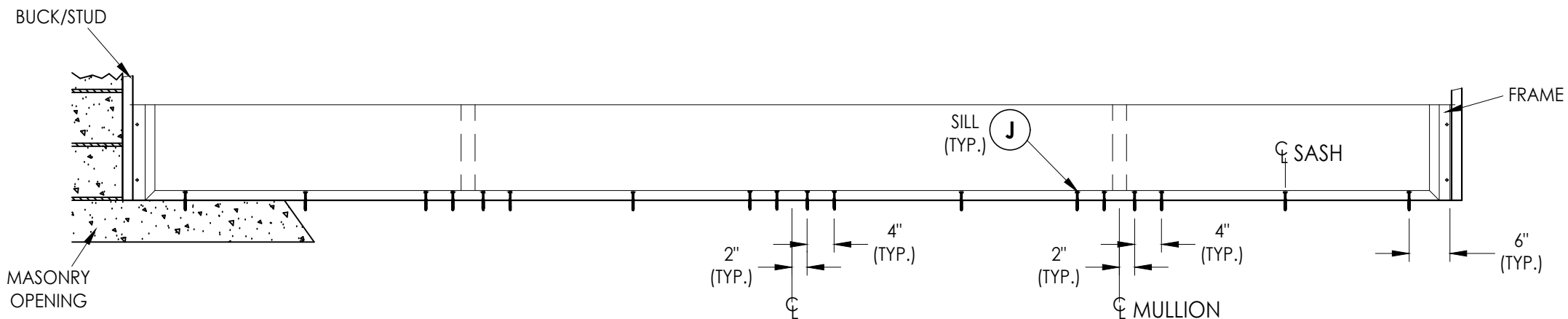
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FRAME ANCHORING



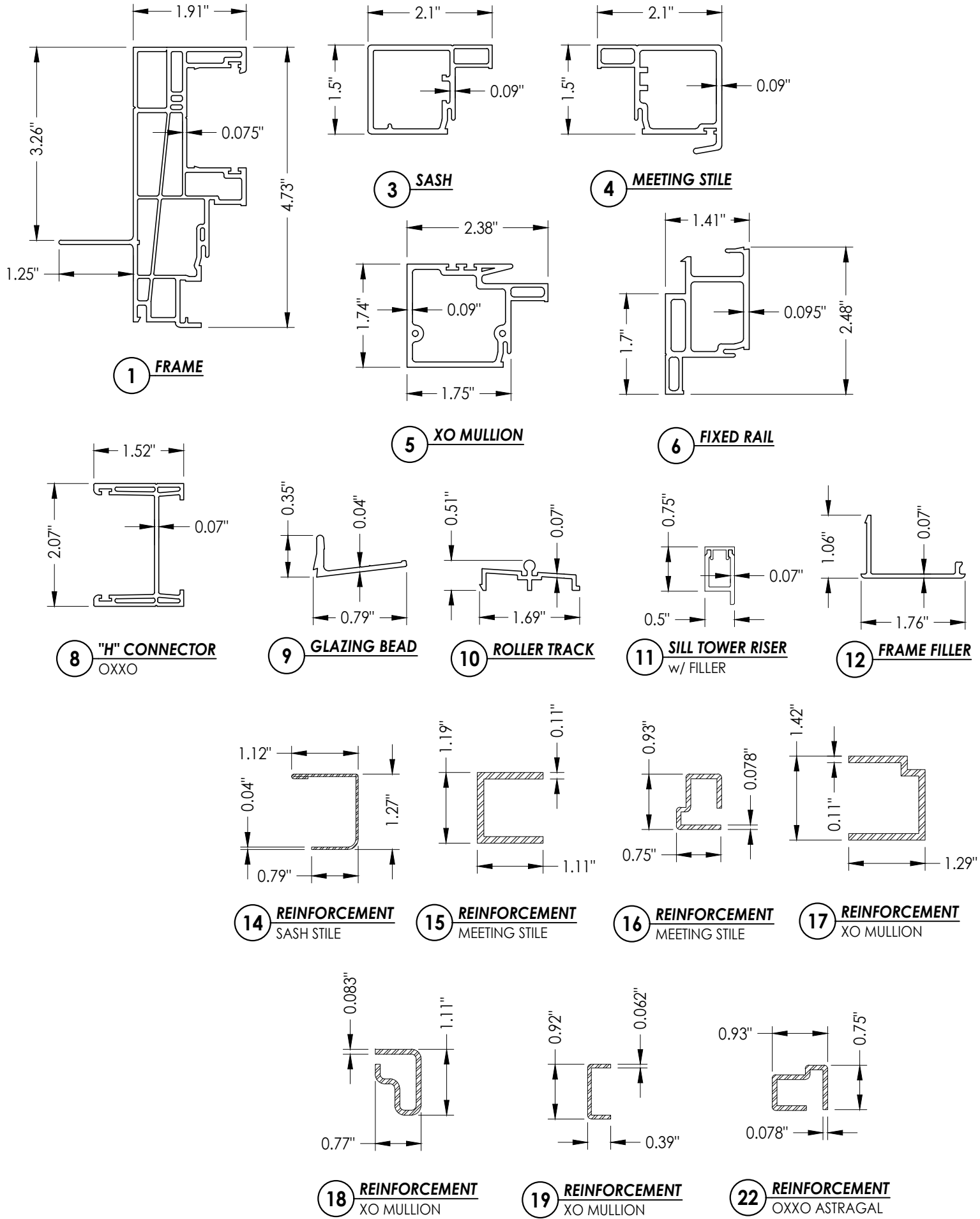
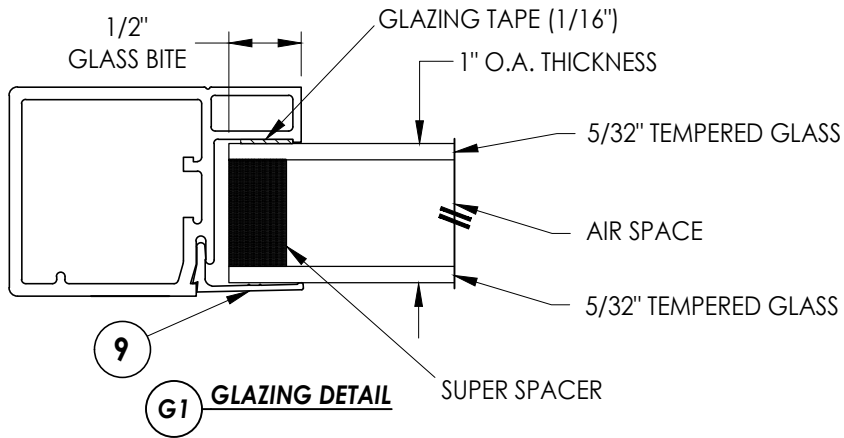
ALTERNATE FRAME ANCHORING
DIRECT TO MASONRY @ SILL

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PRODUCT: NOVATECH PATIO DOOR		PART OR ASSEMBLY: FRAME ANCHORING					
				LFS	FBC	2	9/14/23
				LFS	FBC	1	10/01/20
				NO.	DATE		
				REVISIONS			
DATE: 7/03/18							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-27628.10							
SHEET 5 OF 6							

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
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	#8 X 2-1/2" PPH SMS (2-1/4" MIN. EMBEDMENT)	STEEL
G	#8 X 3" PPH SMS (2-1/4" MIN. EMBEDMENT)	STEEL
J	1/4" X 2-1/4" 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	FRAME*	PVC
3	SASH*	PVC
4	MEETING STILE*	PVC
5	XO MULLION*	PVC
6	FIXED RAIL*	PVC
8	"H" CONNECTOR*	PVC
9	GLAZING BEAD*	PVC
10	ROLLER ASSM.	PVC
11	SILL TOWER RISER*	PVC
12	FRAME FILLER*	PVC
14	REINFORCEMENT (SASH STILE)	STEEL
15	REINFORCEMENT (MEETING STILE)	STEEL
16	REINFORCEMENT (MEETING STILE)	STEEL
17	REINFORCEMENT (XO MULLION)	STEEL
18	REINFORCEMENT (XO MULLION)	STEEL
19	REINFORCEMENT (XO MULLION)	STEEL
22	REINFORCEMENT (OXXO ASTRAGAL)	STEEL

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



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PRODUCT: NOVATECH PATIO DOOR		PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS	
		LFS	BY
		FBC	
		(2023)	
		UPDATE TO 8TH ED.	
		9/14/23	
		2	
		FBC	
		(2020)	
		UPDATE TO 7TH ED.	
		10/01/20	
		1	
		DATE	
		NO.	
		REVISIONS	
DATE: 7/03/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-27628.10			
SHEET 6 OF 6			