

Z:\2023 FBC Drawings\Novatech Patio Doors\FL-30514 R3\FL-30514.2.dwg

Novatech®

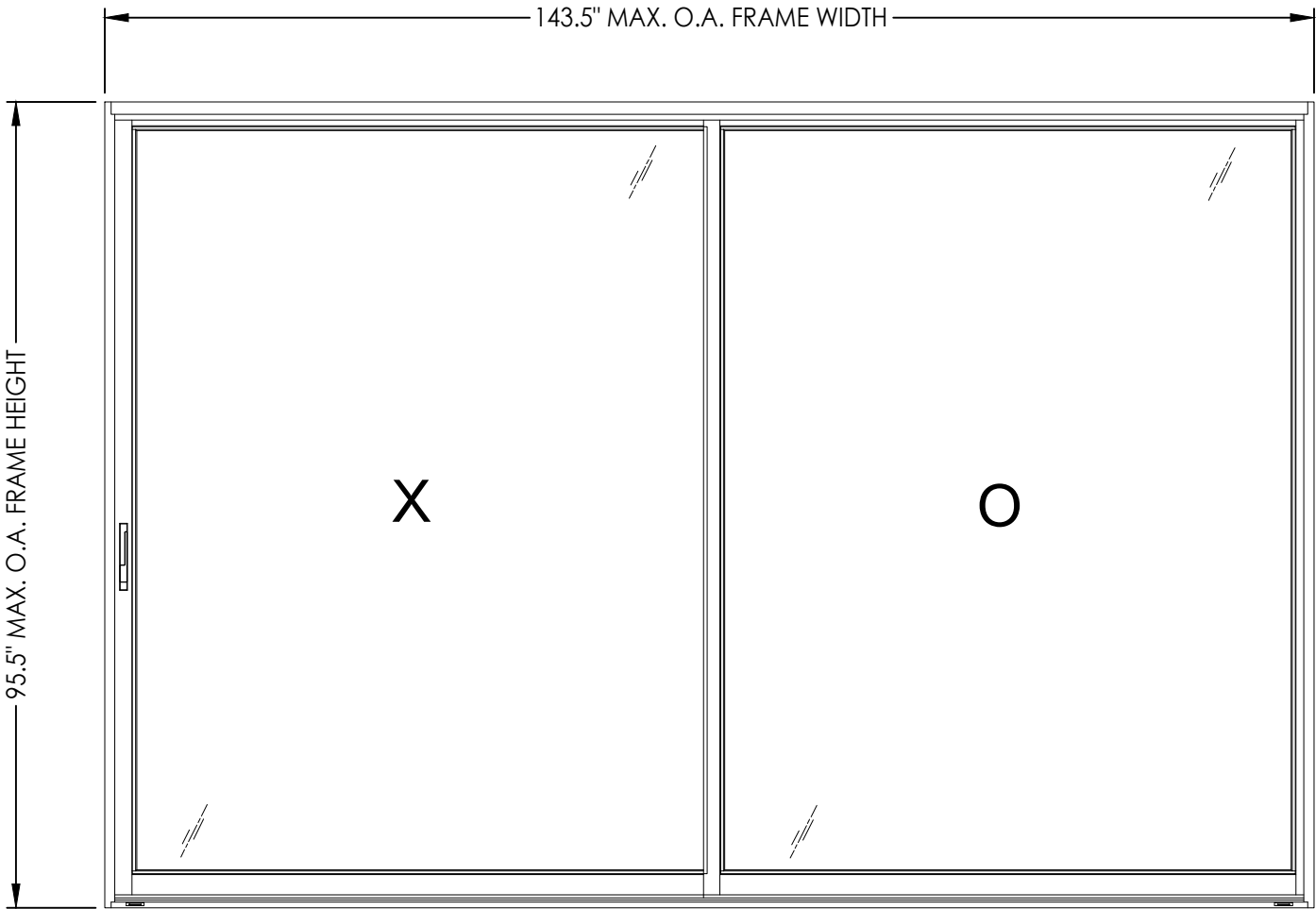
URBANIA-LOFT
SLIDING PATIO DOOR
"NON-IMPACT"

GENERAL NOTES

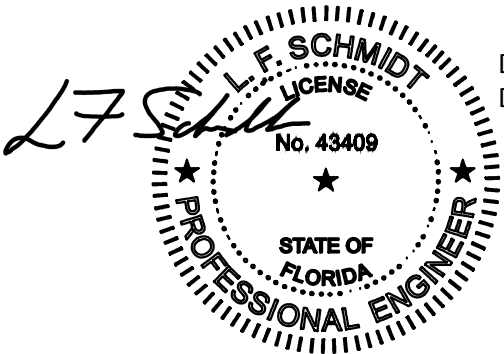
1. This product anchoring drawing is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications and ratings.
2. Product anchors shall be as listed 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. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)		STEEL REINFORCEMENT REQUIRED
			POSITIVE	NEGATIVE	
143.5" X 95.5"	67" x 87.5"	G1	+40.0	-40.0	YES



Digitally signed by Lyndon F Schmidt
Date: 2023.09.14 09:55:38 -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.

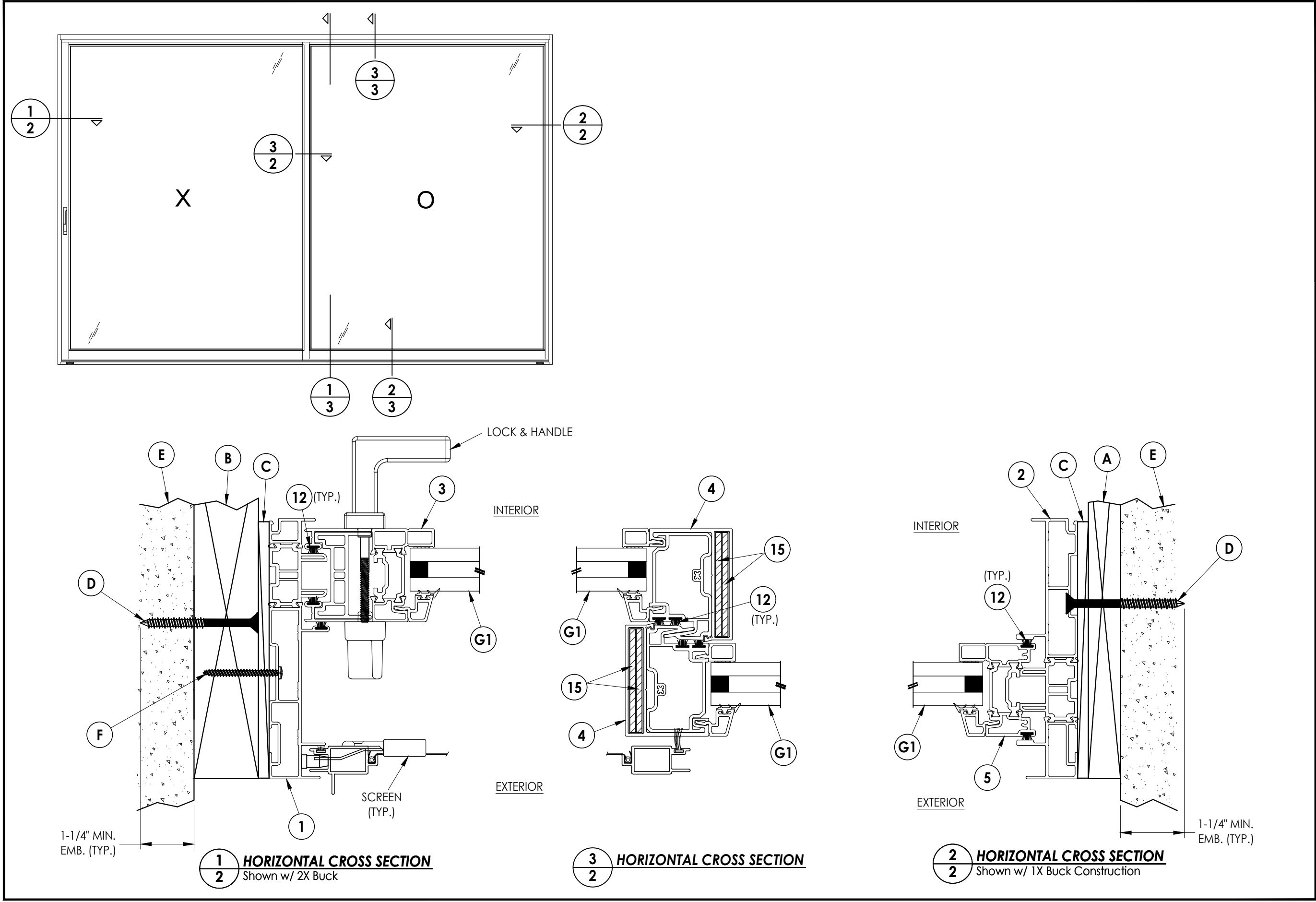
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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

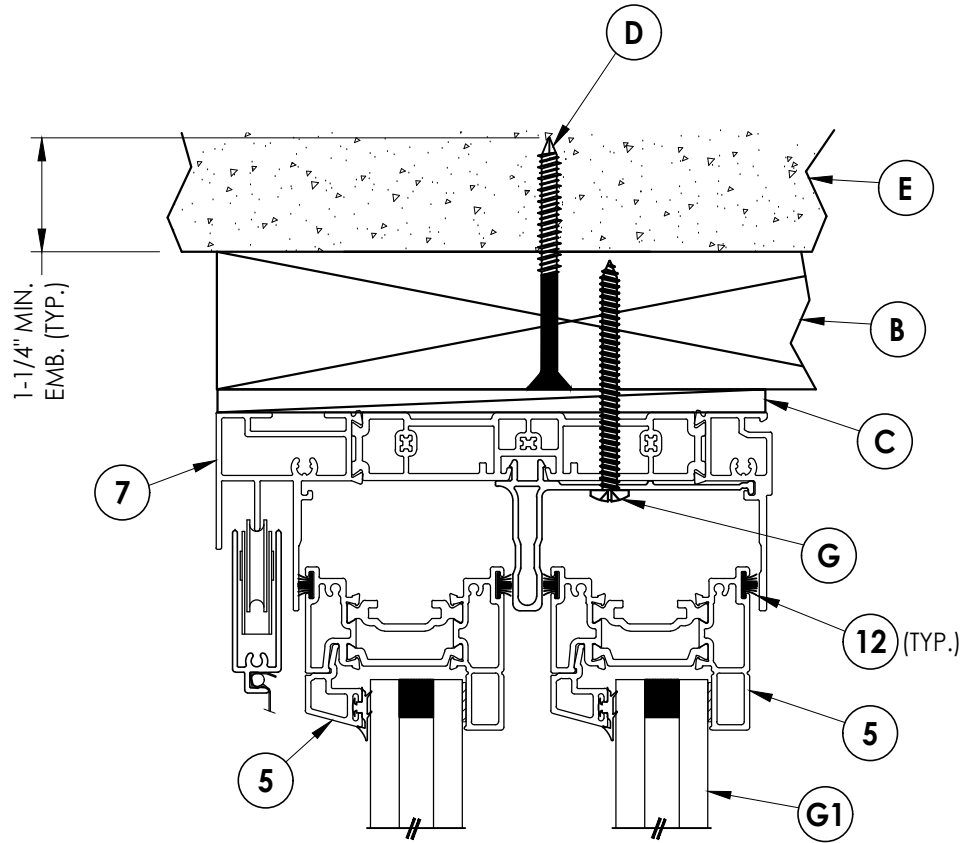
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		PART OR ASSEMBLY:	
NOVATECH PATIO DOOR		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
		LFS	LFS
		1	1
		9/13/23	10/01/20
		UPDATE TO 8TH ED. (2023)	UPDATE TO 7TH ED. (2020)
		FBC	FBC
		NO.	DATE
		REVISIONS	

DATE: 10/29/19
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-30514.2
SHEET 1 OF 6

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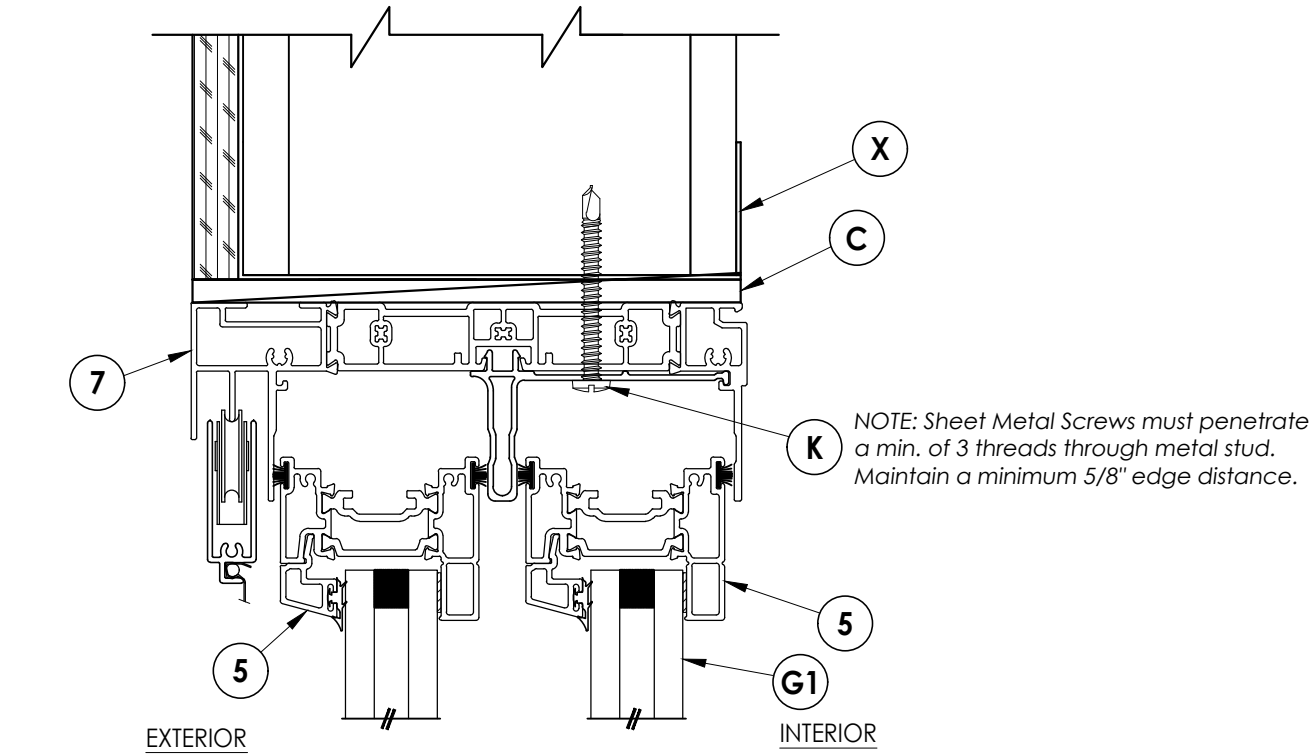
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EXTERIOR

INTERIOR

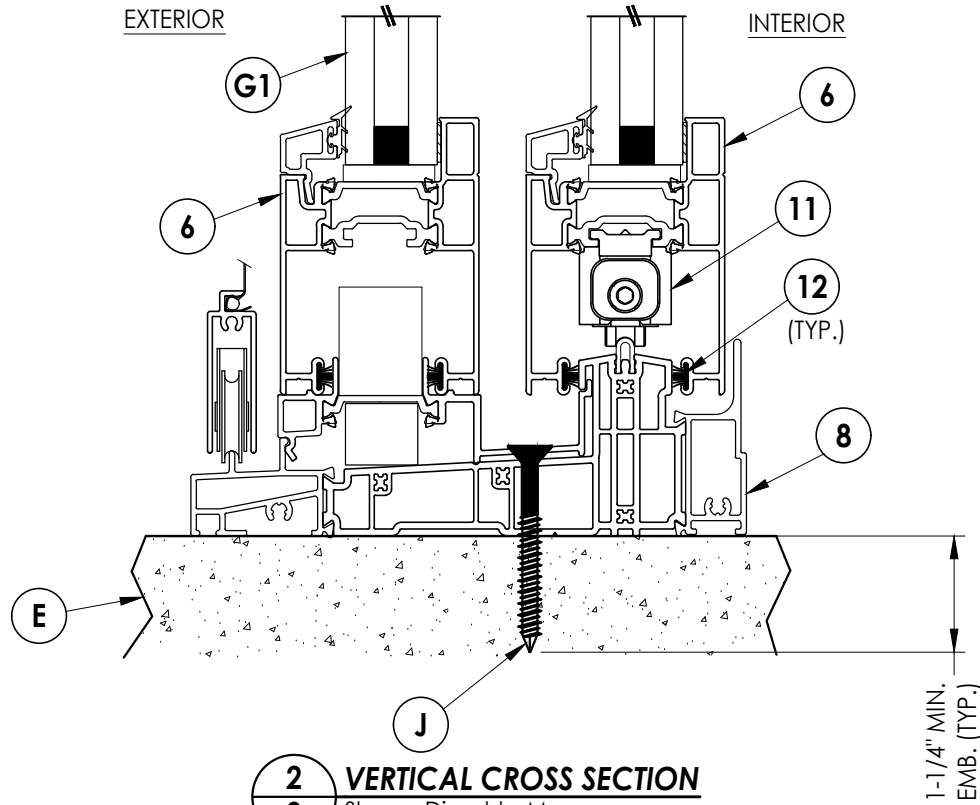
1
3 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck



EXTERIOR

INTERIOR

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



EXTERIOR

INTERIOR

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

DATE: 10/29/19
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SHEET 3 OF 6

PRODUCT:

NOVATECH
PATIO DOOR

PART OR ASSEMBLY:

VERTICAL
CROSS SECTIONS

Documents Prepared By:

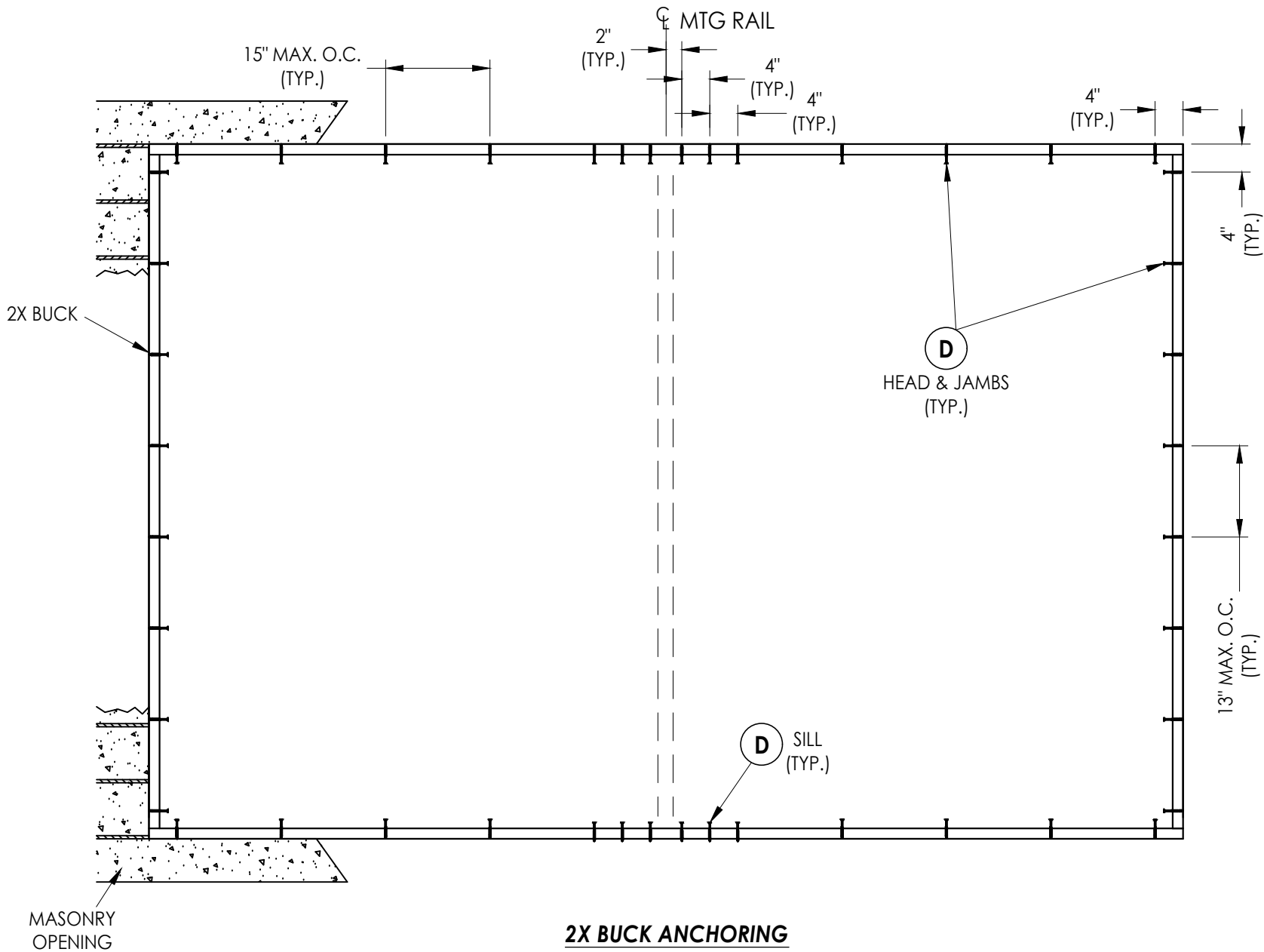
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CONCRETE ANCHOR NOTES:

- 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 TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	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.

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PRODUCT: NOVATECH PATIO DOOR				PART OR ASSEMBLY: BUCK ANCHORING				
				2	9/13/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
				1	10/01/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
				NO.	DATE			BY
				REVISIONS				
DATE: 10/29/19								
SCALE: N.T.S.								
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DRAWING NO.: FL-30514.2								
SHEET 4 OF 6								

BUCK/STUD

MASONRY OPENING

SILL (TYP.)

FRAME

MTG RAIL

2" (TYP.)

4" (TYP.)

4" (TYP.)

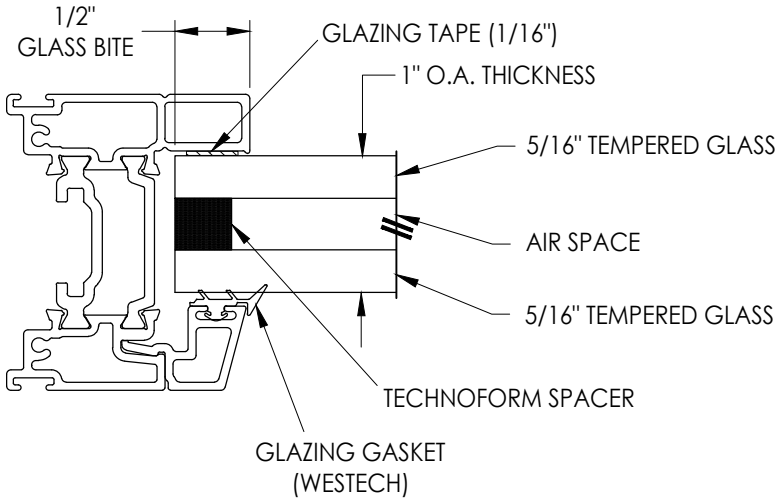
15' MAX. O.C. (TYP.)

DATE:	10/29/19
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DRAWING NO.:	FL-30514.2
SHEET	<u>5</u> OF <u>6</u>

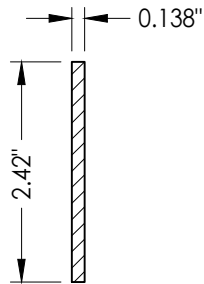
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 1-3/4" PPH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
G	#14 X 2-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
H	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
1	LOCK FRAME*	6063-T5 ALUM/PVC
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

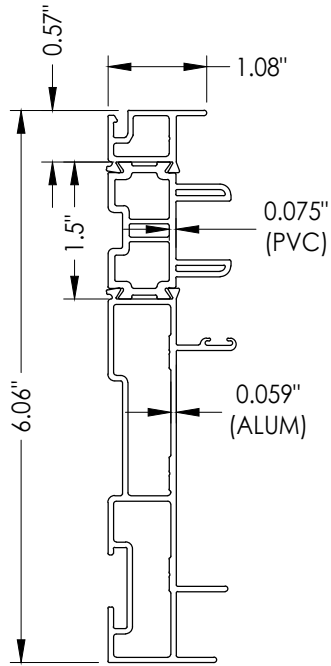
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATIONS PROGRAMS FOR RIGID PVC EXTRUSIONS".



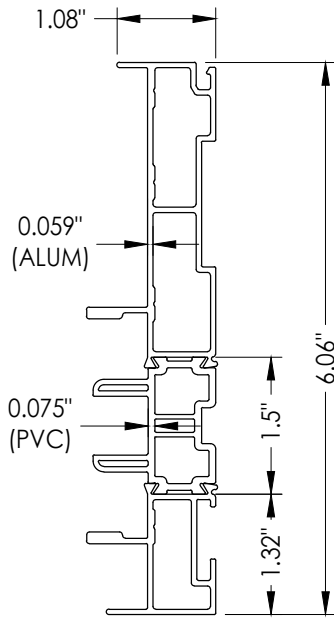
G1 GLAZING DETAIL



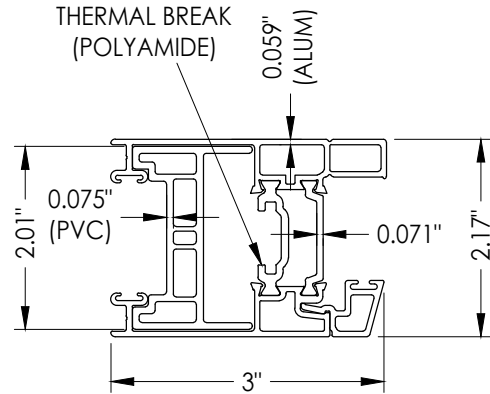
15 STEEL REINFORCEMENT
89.2" LONG



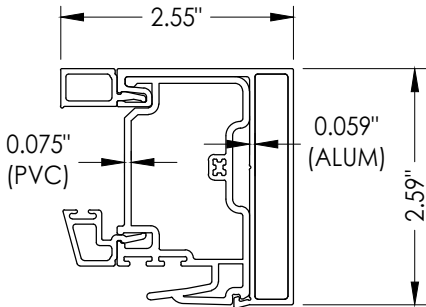
1 LOCK FRAME



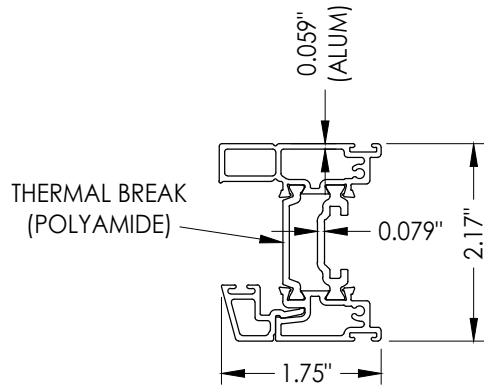
2 FIXED FRAME



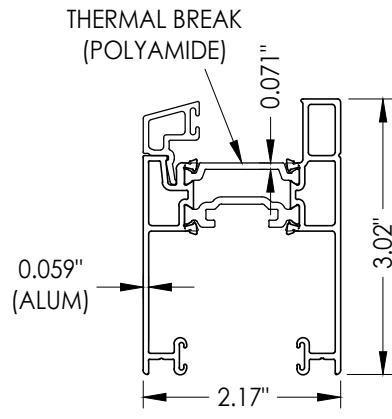
3 LOCK STILE



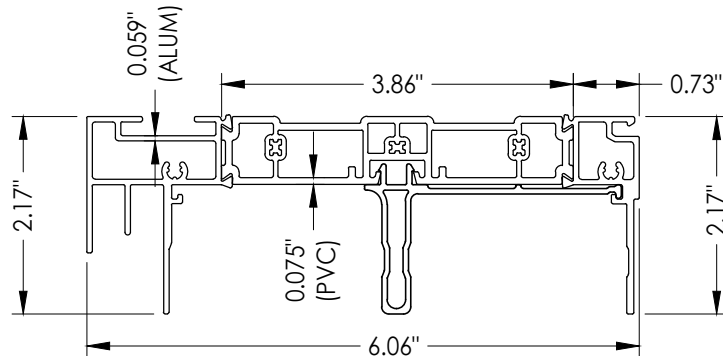
4 MEETING STILE



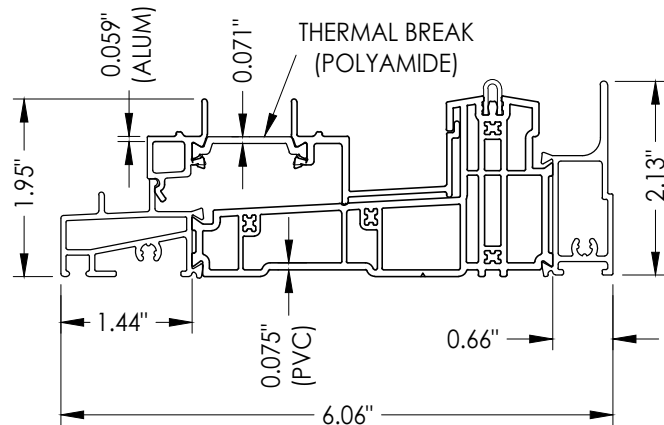
5 FIXED STILE/TOP RAIL



6 BOTTOM RAIL



7 HEAD



8 SILL

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PRODUCT:
NOVATECH
PATIO DOOR

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:
BILL OF MATERIALS, GLAZING
DETAILS & COMPONENTS

NO.	DATE	REVISIONS		
		BY	DATE	DESCRIPTION
2	9/13/23	LFS	UPDATE TO 8TH ED. (2023)	FBC
1	10/01/20	LFS	UPDATE TO 7TH ED. (2020)	FBC

DATE: 10/29/19

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-30514.2

SHEET 6 OF 6