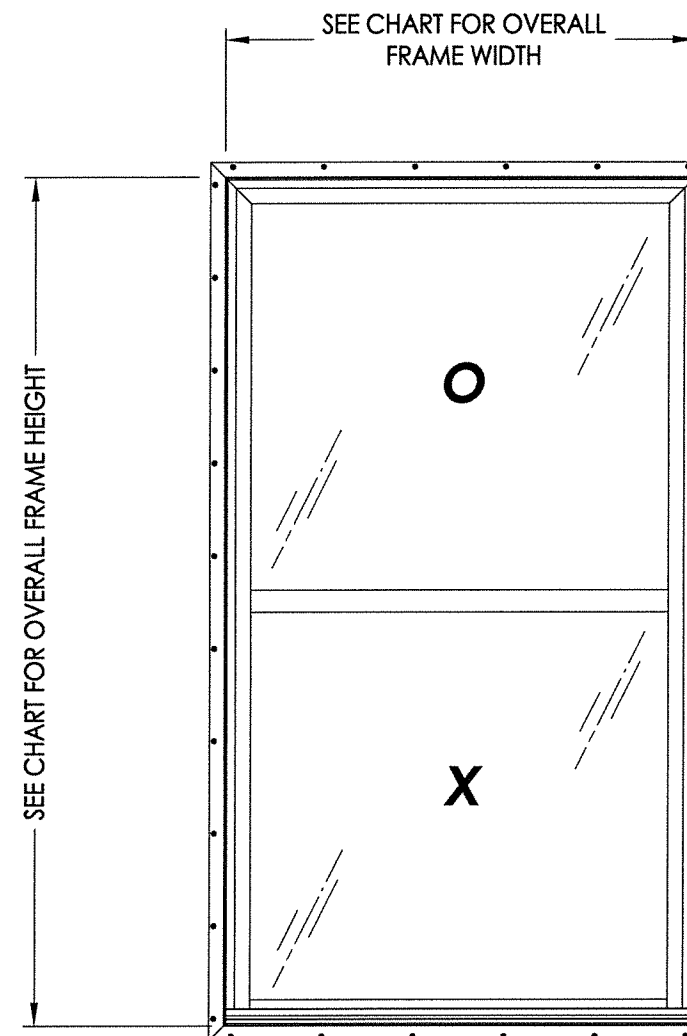


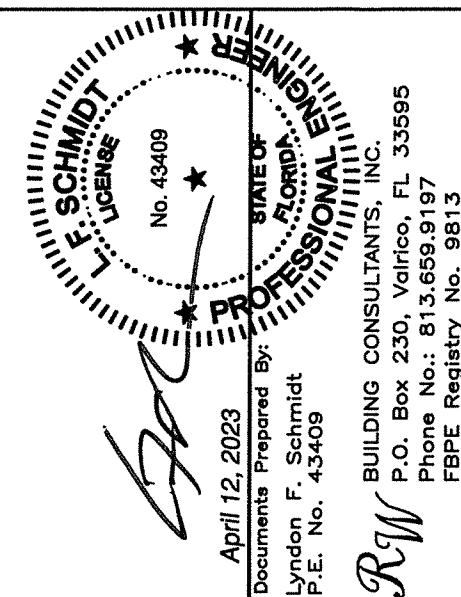
GENERAL NOTES

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). 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 must 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.

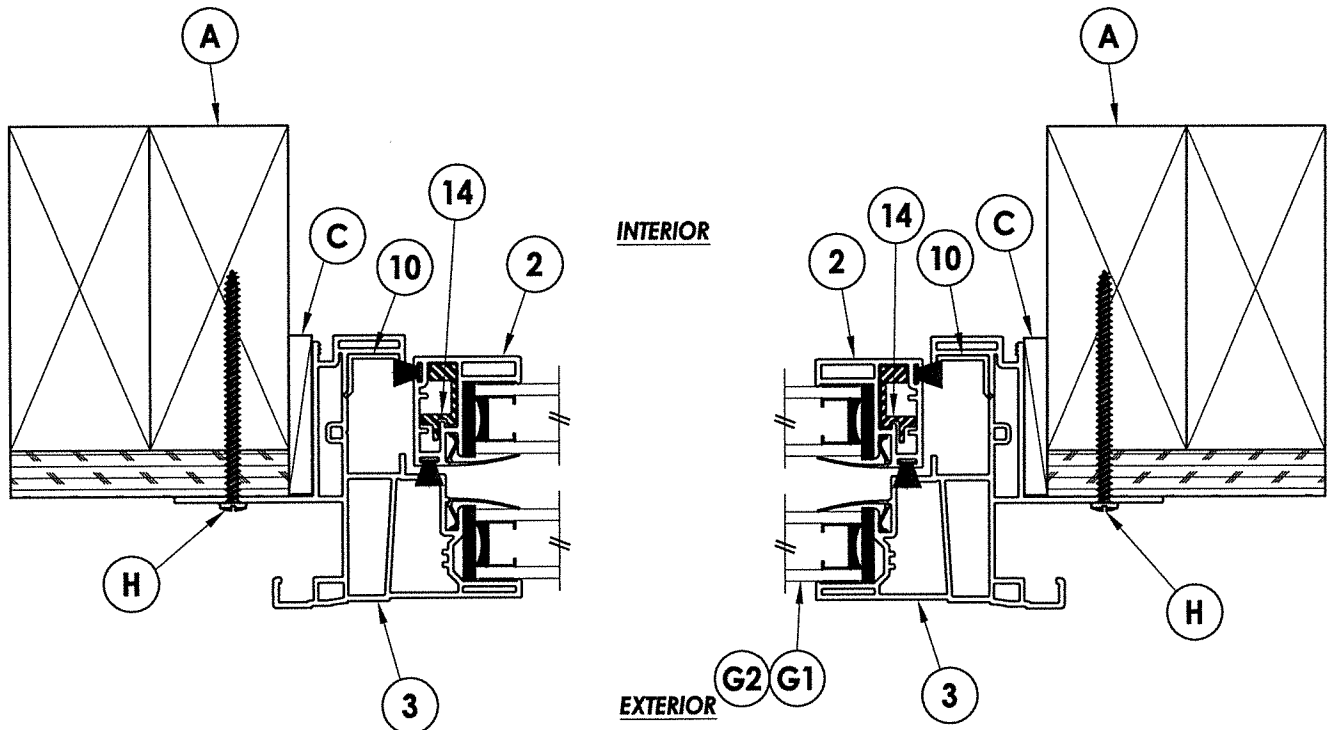
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures and general notes
2	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck and frame anchoring
5	Bill of materials, glazing detail & components



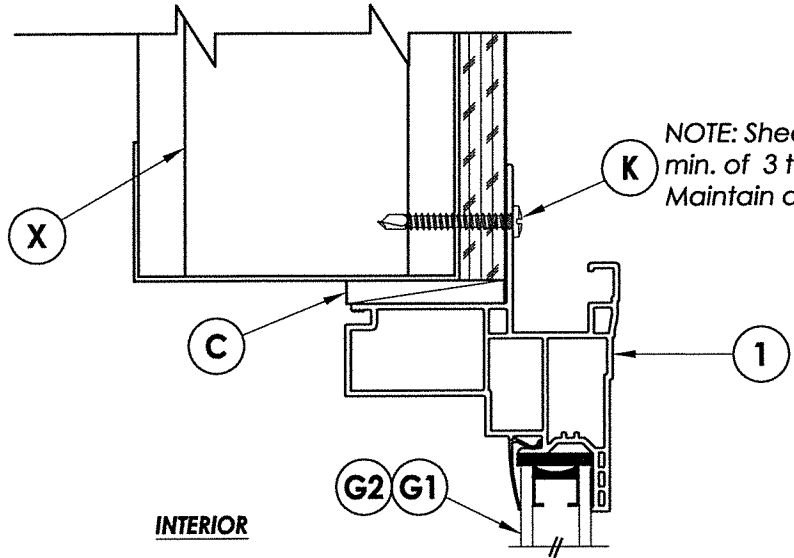
OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	FIXED WINDOW OVERALL D.L.O. DIMENSION (O)	SASH OVERALL D.L.O. DIMENSION (X)	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
42.5" x 74.5"	40.0" x 72.0"	35.5" x 32.75"	35.5" x 32.75"	G1	+50.0	-50.0
40.5" x 76.5"	38.0" x 74.0"	33.5" x 33.75"	33.5" x 33.75"	G2	+50.0	-50.0
50.5" x 62.5"	48.0" x 60.0"	43.5" x 26.75"	43.5" x 26.75"	G1	+35.0	-35.0
50.5" x 74.5"	48.0" x 72.0"	43.5" x 32.75"	43.5" x 32.75"	G1	+30.0	-30.0

[illegible]

Z:\Clients\Associated PERMANENT\A - Florida Product Approvals\FL-26514 Windows - Single Hung (CM)\C - Drawings\FL-26514 (2020) R4\FL-26514.4.dwg

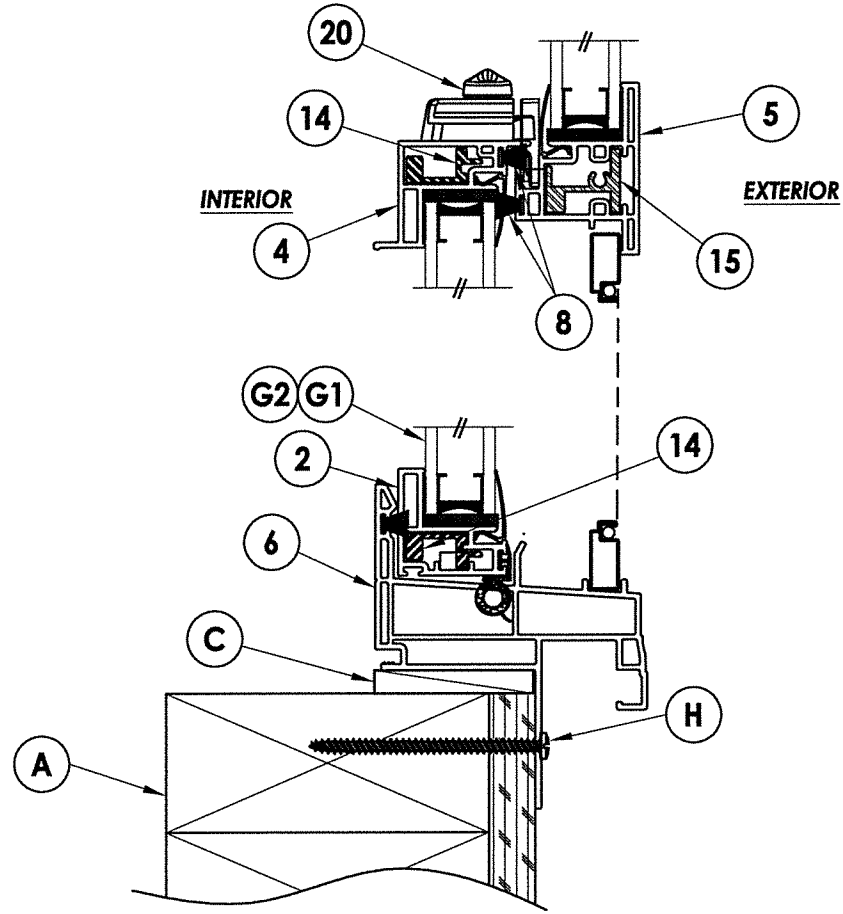


1
3 **HORIZONTAL CROSS SECTION**
Stud Construction

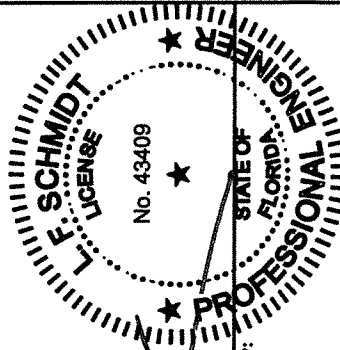
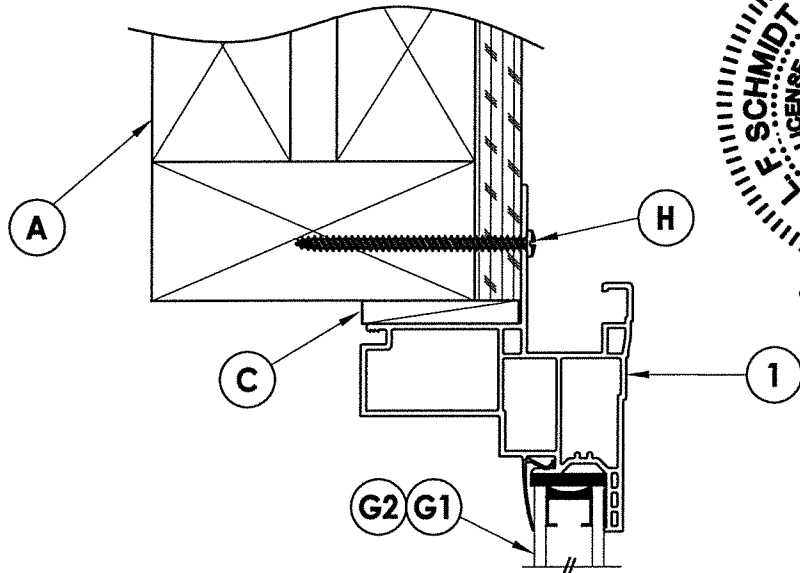


NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through metal stud.
Maintain a minimum 5/8" edge distance.

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



2
3 **VERTICAL CROSS SECTION**
Stud Construction



April 12, 2023

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:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
REVISIONS			
NO.	DATE	BY	REVISIONS
3	4/12/23	LFS	ADD FRAME SIZES (NEW TESTING)
2	9/30/20	FBC	UPDATE TO 7TH ED. (2020)
1	2/25/19	LFS	REVISE FRAME SIZES
NO.	DATE	BY	REVISIONS
DATE: 3/12/18		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-26514.4		SHEET 3 OF 5	

9" MAX O.C. (TYP.)

2" MAX. (TYP.)

2" MAX. (TYP.)

9" MAX O.C. (TYP.)

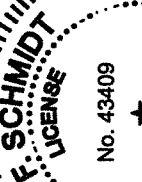
FRAME

2X BUCK

MASONRY OPENING

F (TYP.)

G WOOD (TYP.)



April 12, 2023

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

R²W

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:	BUCK AND FRAME ANCHORING

[illegible]

DATE:	3/12/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-26514.4
SHEET	4 OF 5

* Required through metal tilt latch clip into buck or stud.

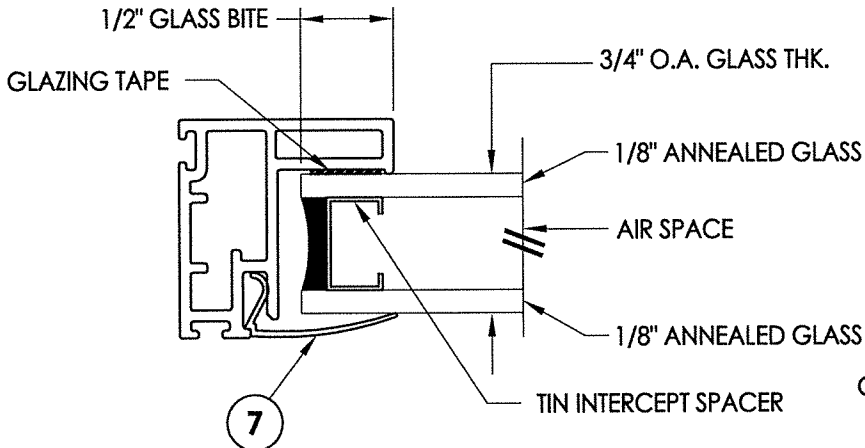
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

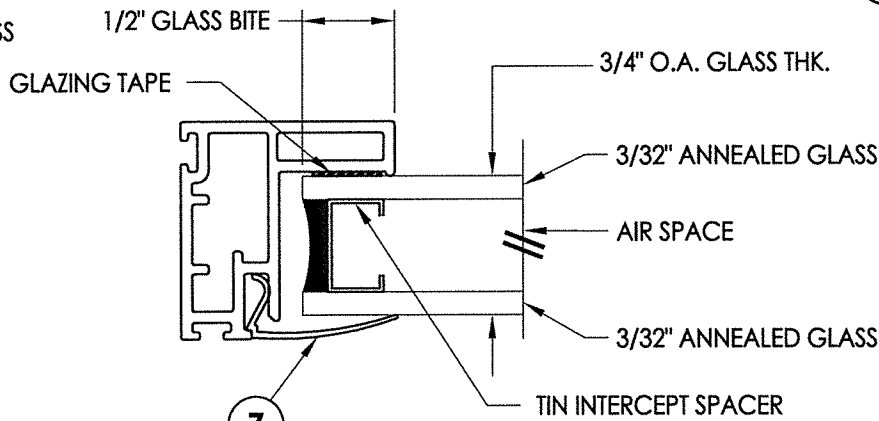
Z:\Clients\Associated PERMANENT\A - Florida Product Approvals\FL-26514 Windows - Single Hung (CM)\C - Drawings\FL-26514 (2020) R4\FL-26514.4.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (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 - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 2" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
G	#8 X 2" PPH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
H	#8 X 2-1/2" PPH SMS (1-3/4" MIN. EMBEDMENT)	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)	-
10	JAMB CLIP (@ TILT LATCH)	ST. STEEL
14	SASH / STILE & RAIL REINFORCEMENT (S-047) (6063-T5)	ALUM
15	MEETING RAIL REINFORCEMENT (S-065) (6063-T5)	ALUM
20	CAM LOCK	-

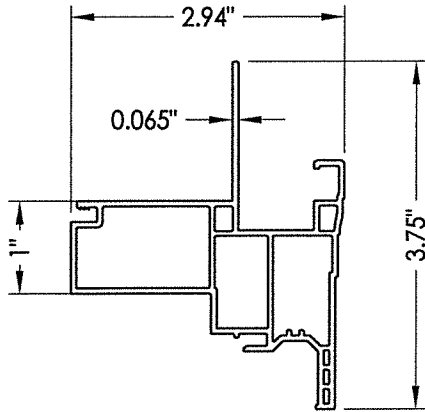
*THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS."



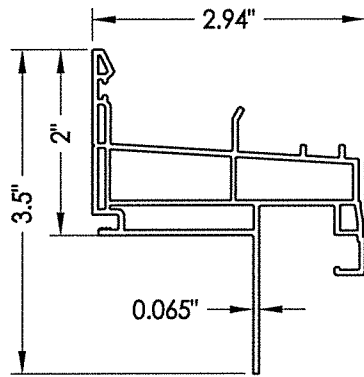
G1 GLAZING DETAIL



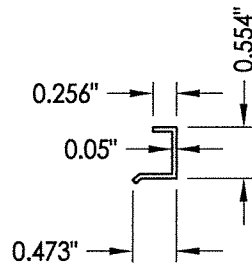
G2 GLAZING DETAIL



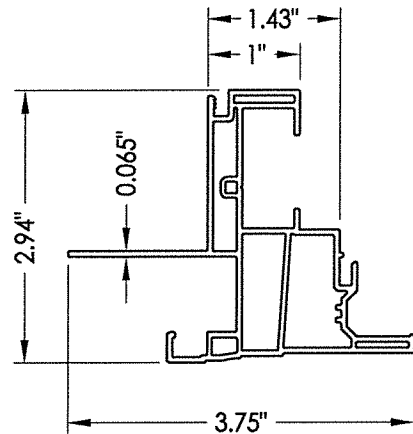
1 FRAME HEAD



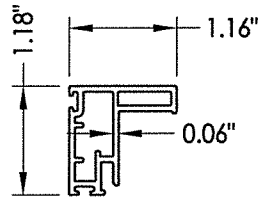
6 SILL



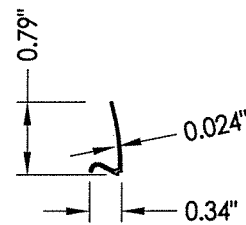
10 JAMB CLIP



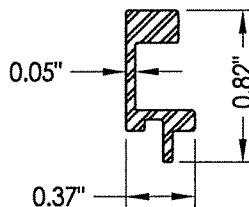
3 FRAME JAMB



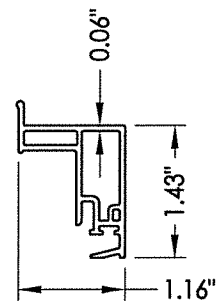
2 SASH STILE/RAIL



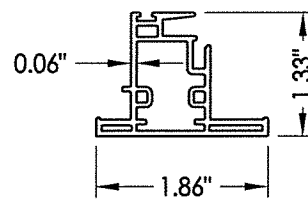
7 GLAZING BEAD



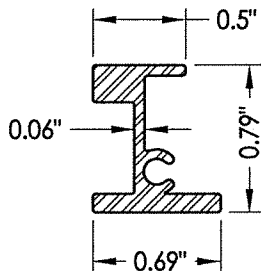
14 SASH / STILE & RAIL REINFORCEMENT



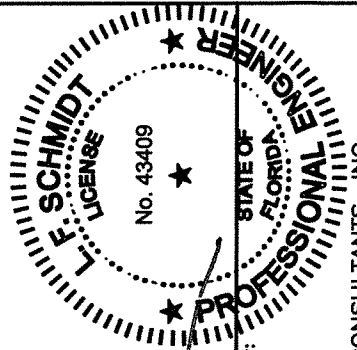
4 LOCK RAIL



5 MEETING STILE



15 MEETING RAIL REINFORCEMENT



April 12, 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:
BILL OF MATERIALS, GLAZING
DETAILS & COMPONENTS

NO.	DATE	REVISIONS		
		BY	LFS	LFS
3	4/12/23	ADD FRAME SIZES (NEW TESTING)	LFS	
2	9/30/20	UPDATE TO 7TH ED. (2020) FBC	LFS	
1	2/25/19	REVISE FRAME SIZES	LFS	

DATE: 3/12/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-26514.4

SHEET 5 OF 5