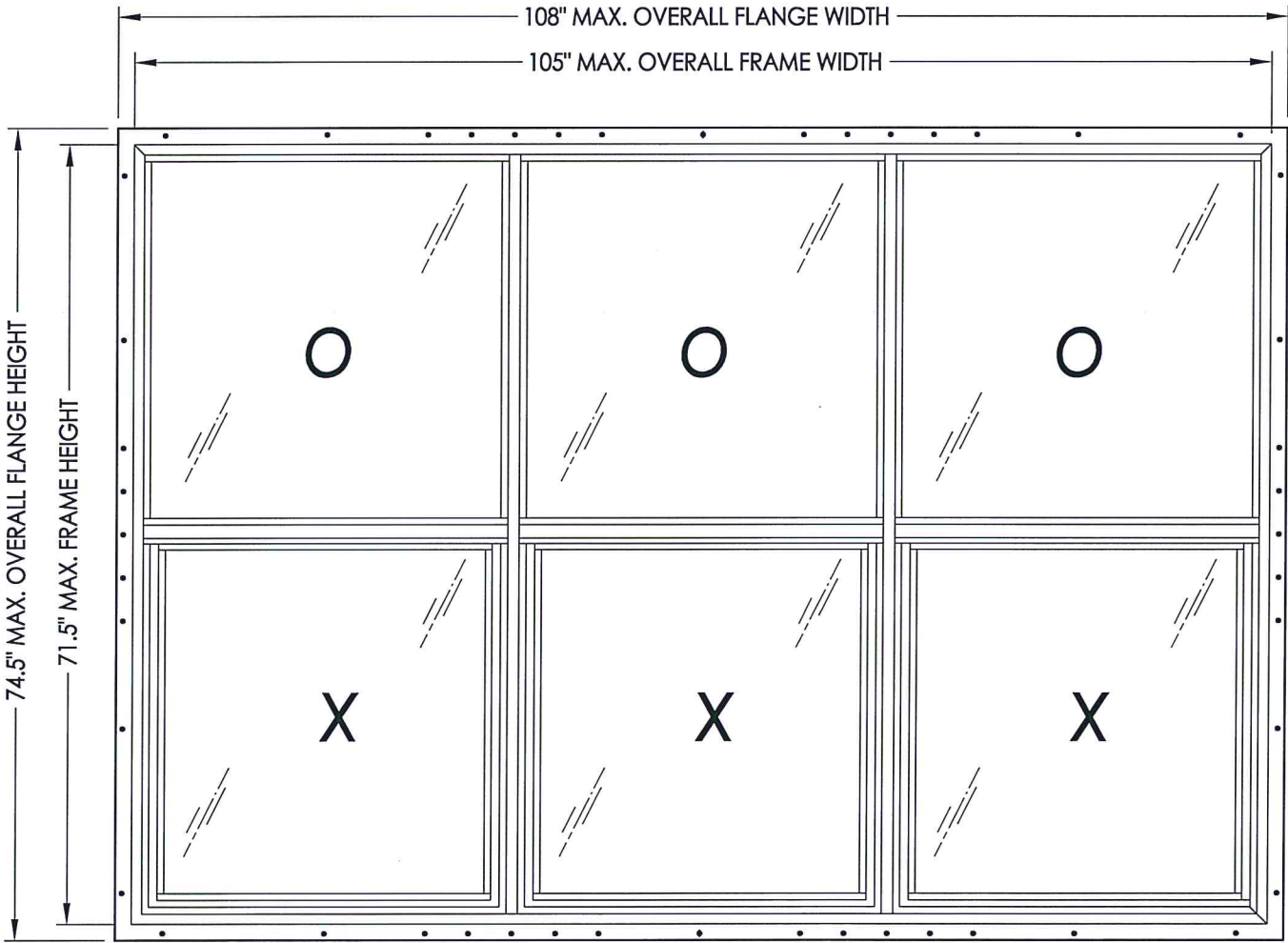




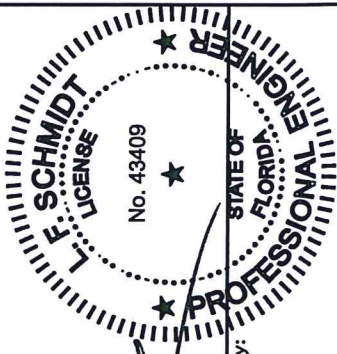
4000 Triple Single Hung Window
Common Jamb w/ Nailing Fin
Integral Mullion
"NON-IMPACT"

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC), 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 & general notes
2	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck & frame anchoring
5	Bill of materials, glazing details and components



MAX. O.A. FIN DIMENSION	MAX. O.A. FRAME DIMENSION	MAX. SASH D.L.O. DIMENSION	MAX. FIXED D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
108.0 x 74.5"	105.0" X 71.5"	29.5" X 31.75"	32.38" X 32.88"	G1	+25.0	-25.0



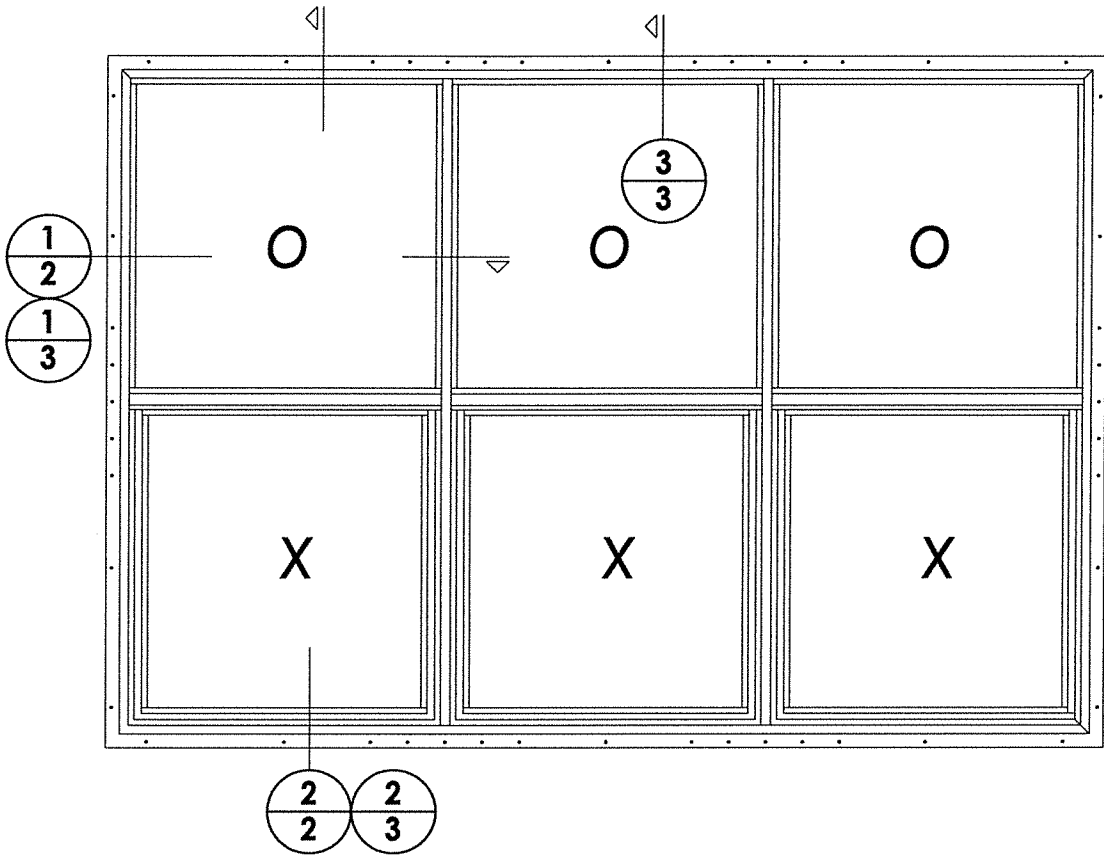
August 04, 2020

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

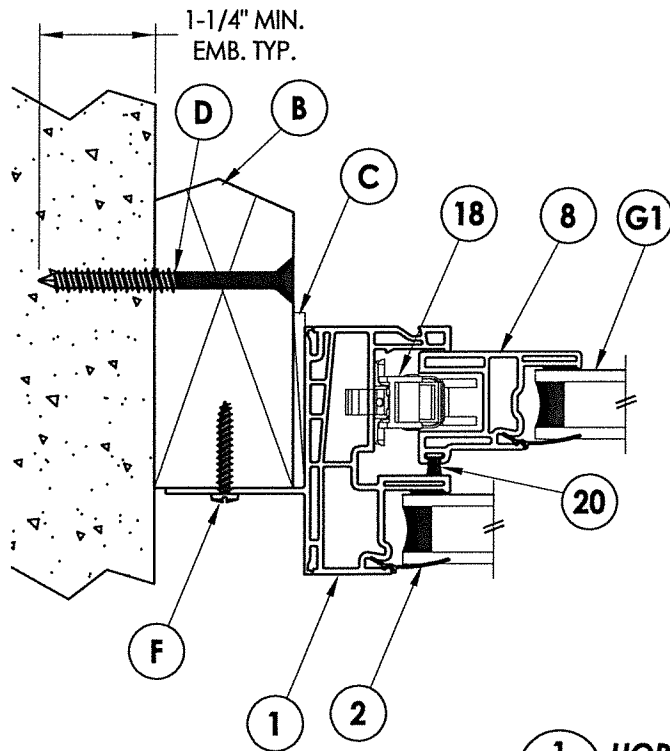
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

[illegible]

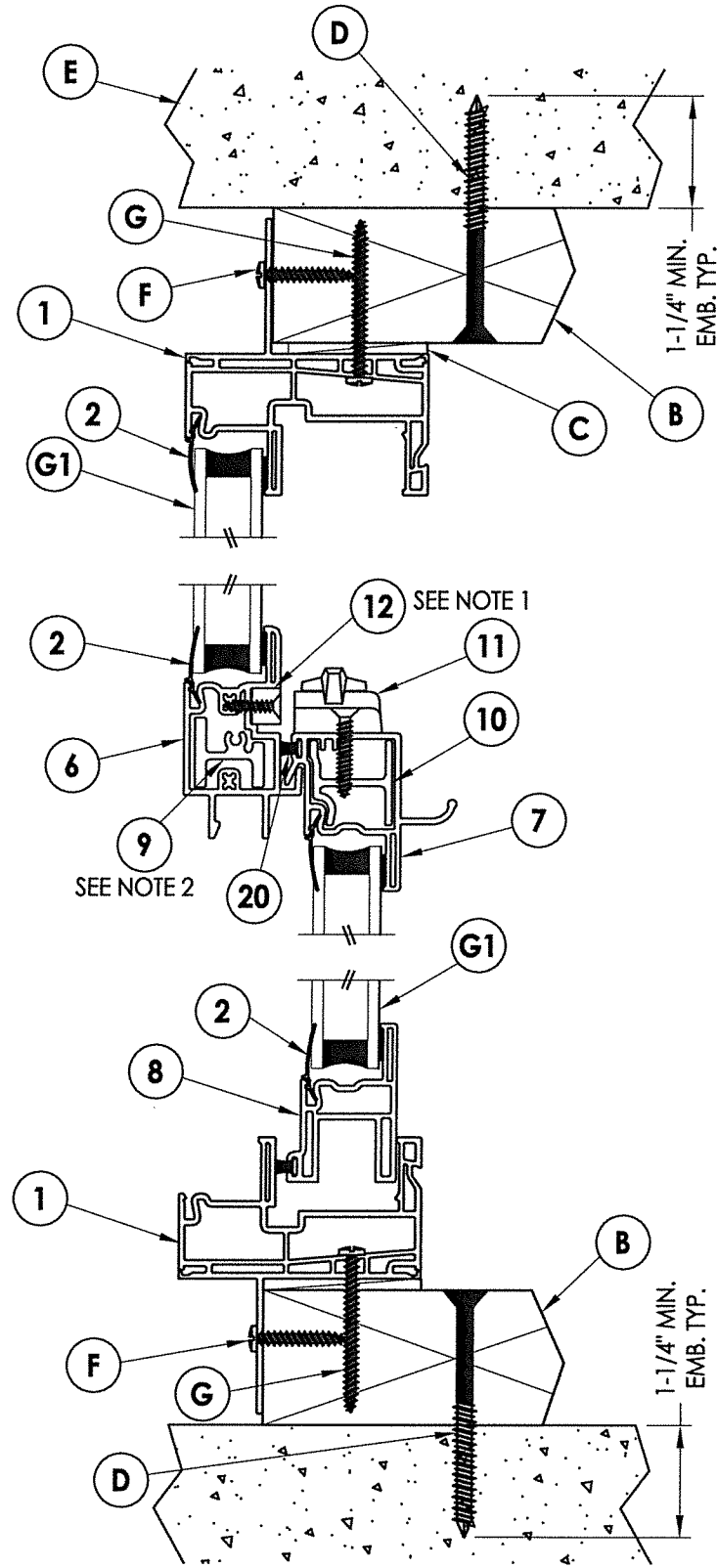
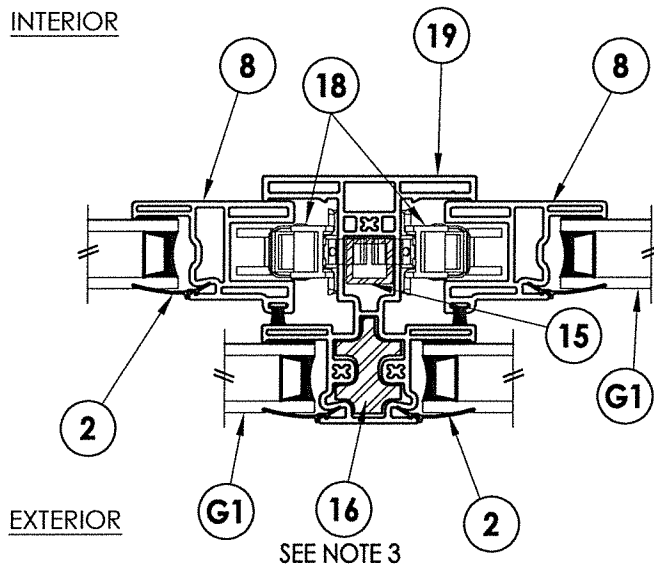
\\dc01\vwbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16854 Windows - Single Hung\A - Drawings\FL-16854 (2020)\FL-16854.15.dwg



- NOTES:
1. Lock and keeper located 7" from each end of frame jamb.
 2. Meeting rail reinforcement is continuous through the integral mullion.
 3. Mullion reinforcement is continuous for the full window height.



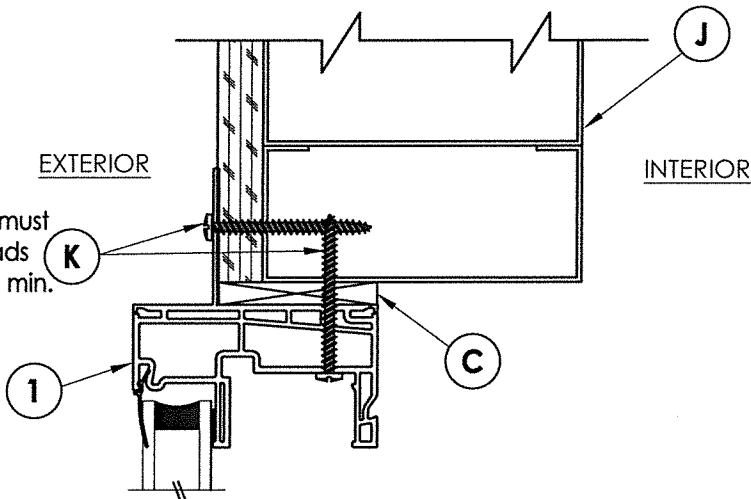
1 HORIZONTAL CROSS SECTION
2 2X Buck Masonry Construction



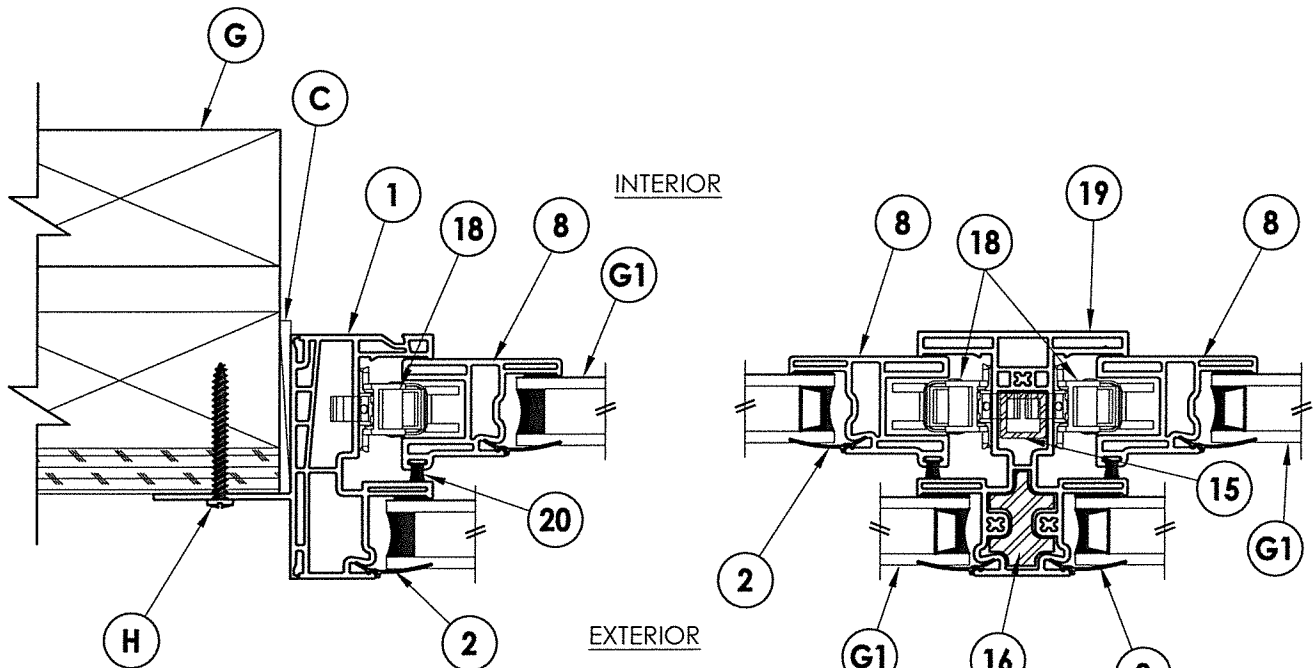
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- NOTES:
1. Lock and keeper located 7" from each end of frame jamb.
 2. Meeting rail reinforcement is continuous through the integral mullion.
 3. Mullion reinforcement is continuous for the full window height.

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

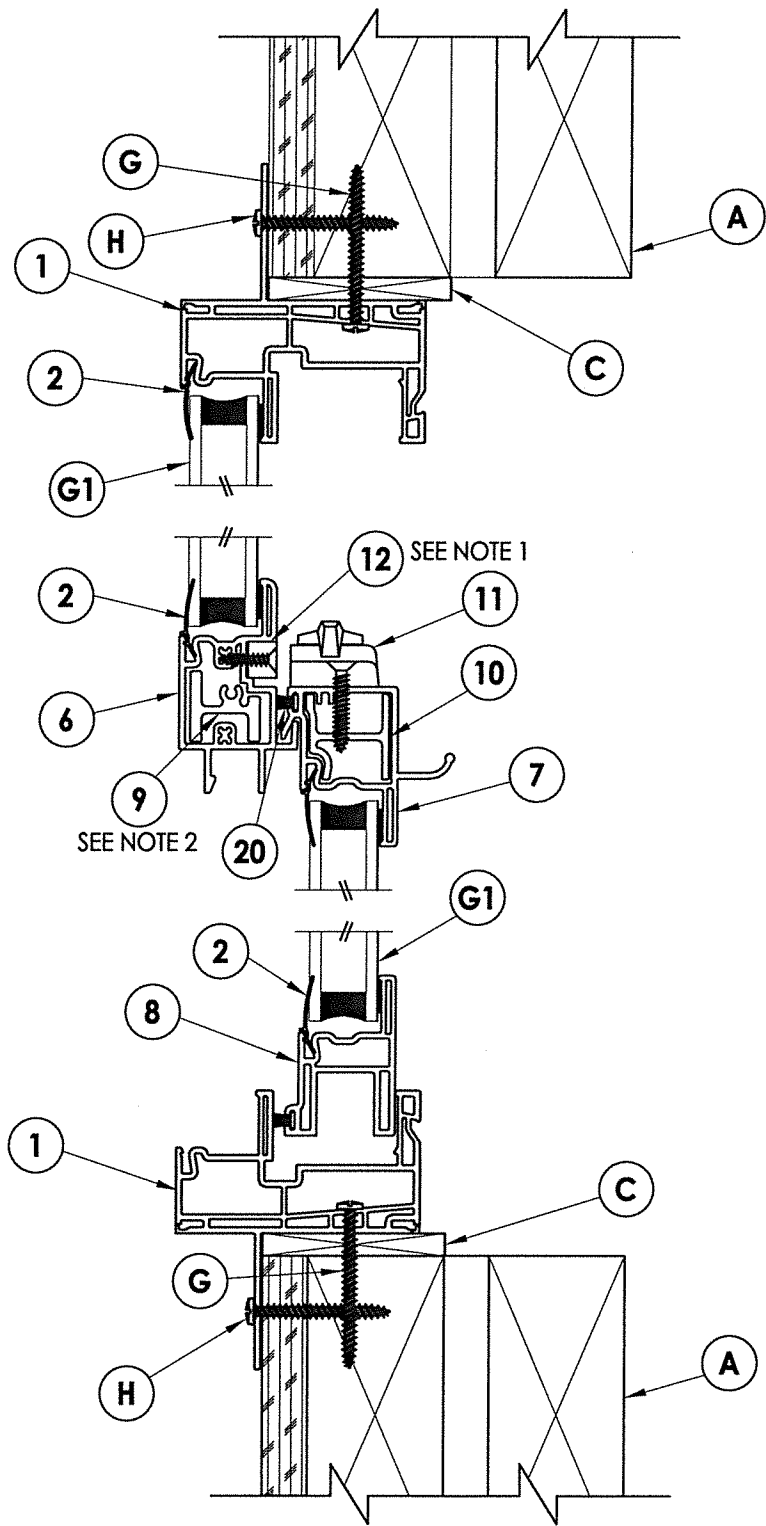


3 VERTICAL CROSS SECTION
3 Shown w/ Steel Stud Framing Option

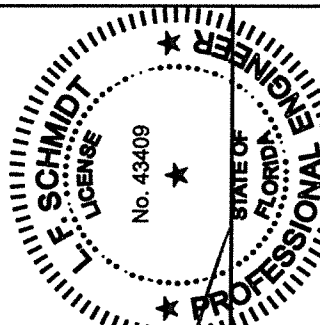


1 HORIZONTAL CROSS SECTION
3 Stud Construction

SEE NOTE 3



2 VERTICAL CROSS SECTION
3 Stud Construction

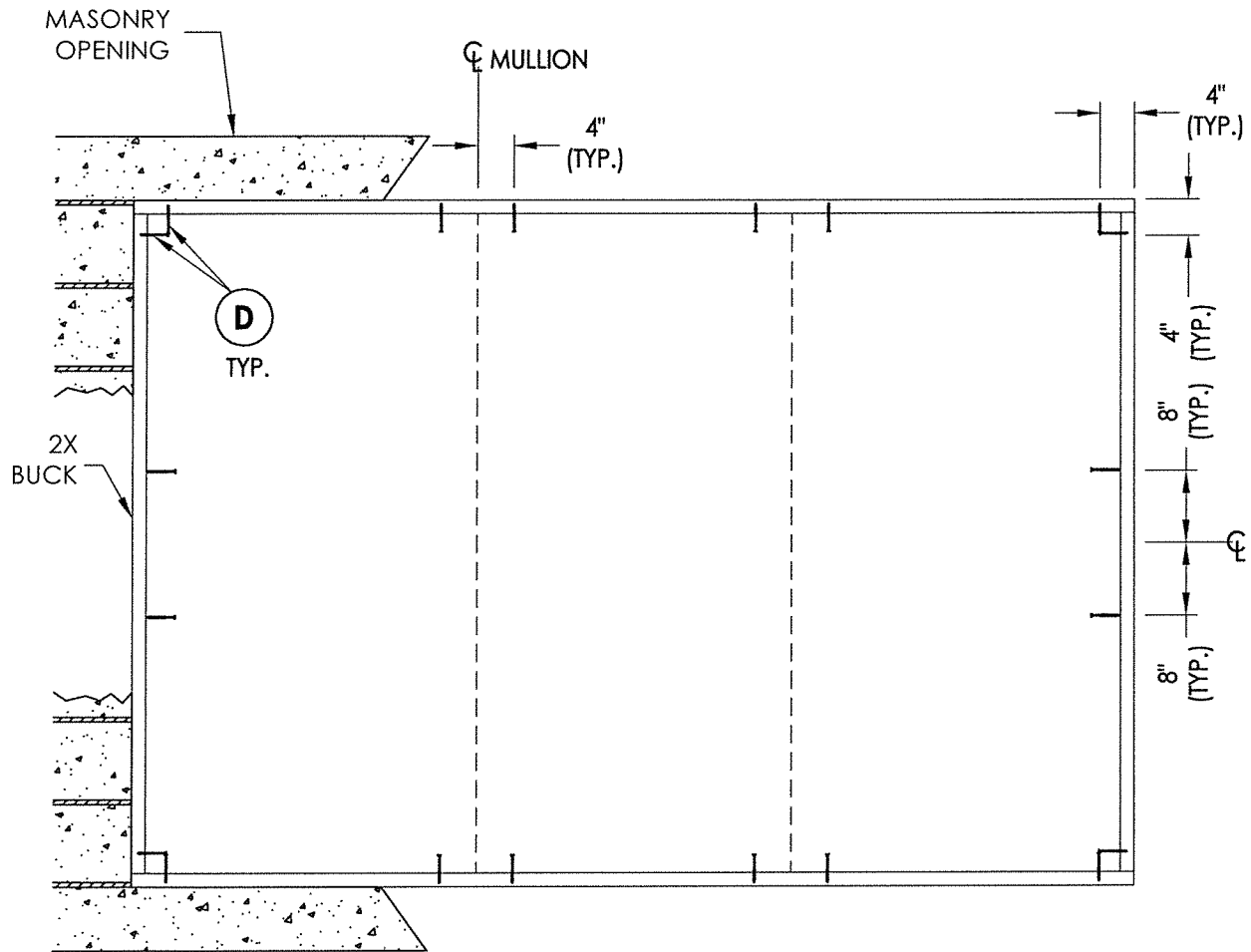


August 04, 2020
Documents Prepared By:
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R.W. BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		SINGLE HUNG WINDOW	
		PART OR ASSEMBLY:	
		VERTICAL & HORIZONTAL CROSS SECTIONS	
		REVISIONS	
		NO.	DATE
		3	8/04/20
		2	10/08/17
		1	9/26/16
		DATE	6/13/16
		SCALE:	N.T.S.
		DWG. BY:	JK
		CHK. BY:	LFS
		DRAWING NO.:	FL-16854.15
		SHEET	3 OF 5

R:\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16854 Windows - Single Hung\A - Drawings\FL-16854 (2020)\FL-16854.15.dwg, 4.15



BUCK ANCHORING

2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED.

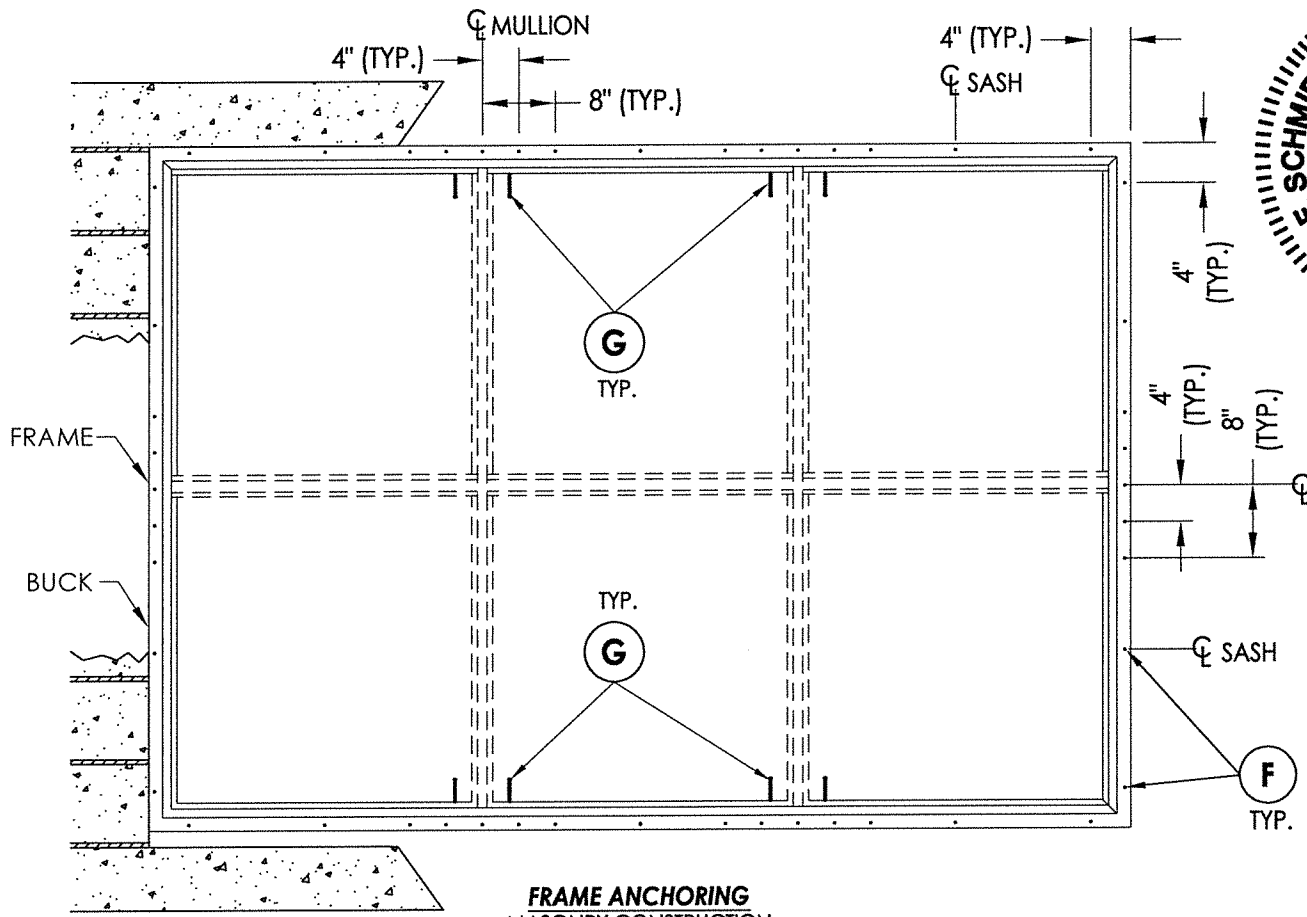
CONCRETE ANCHOR NOTES:

- 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:

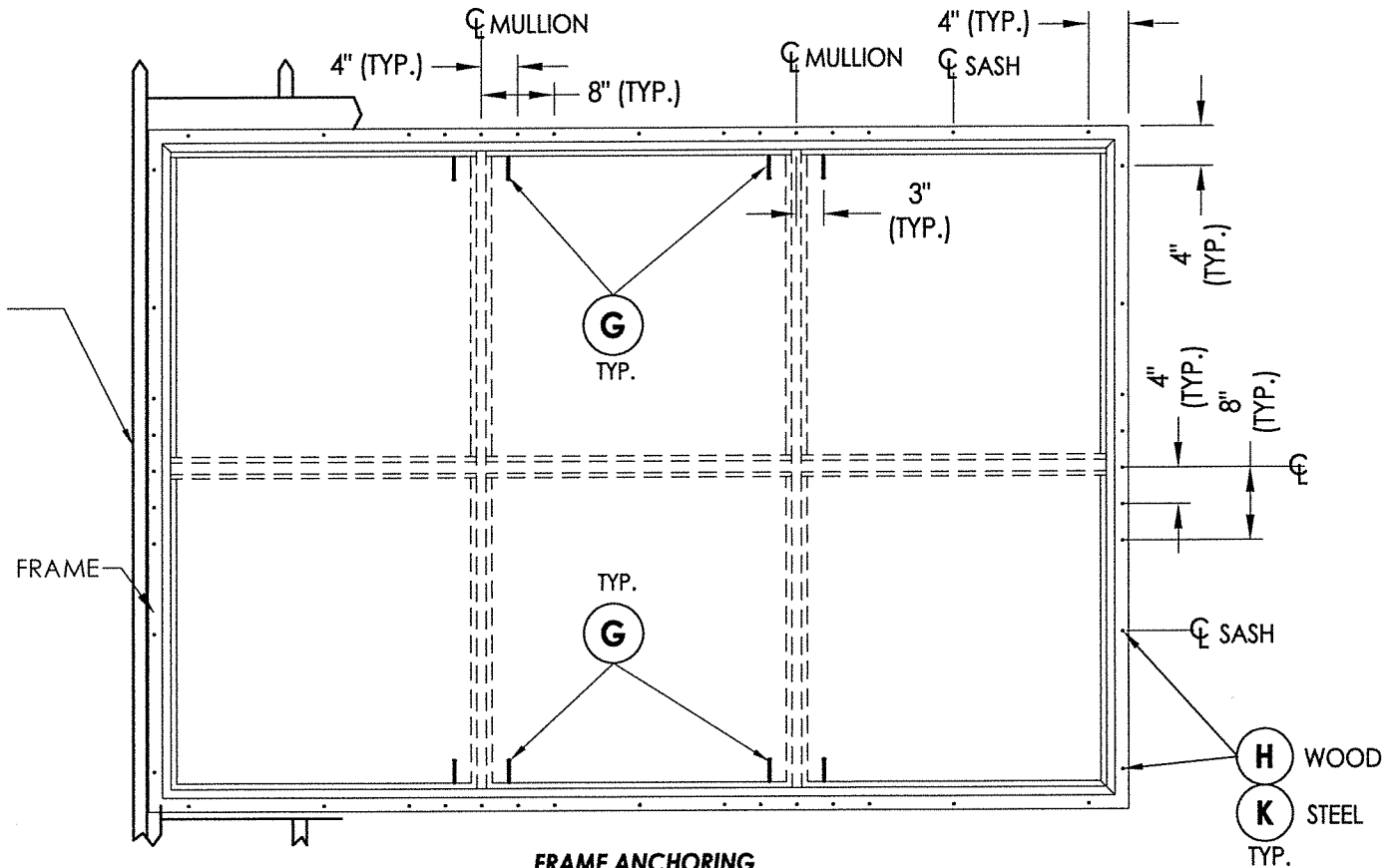
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

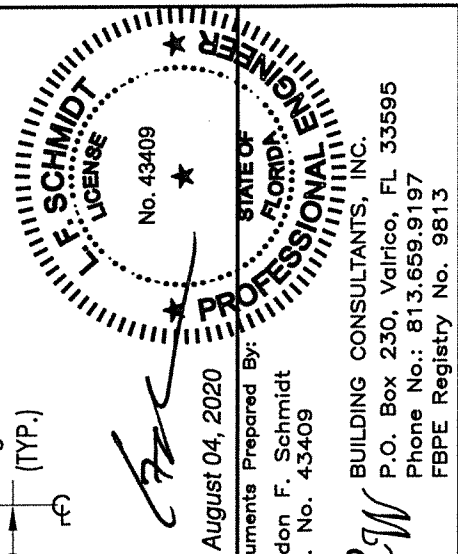
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



**FRAME ANCHORING
MASONRY CONSTRUCTION**



**FRAME ANCHORING
STUD CONSTRUCTION**



August 04, 2020

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:
BUCK & FRAME
ANCHORING

NO.	DATE	REVISIONS
3	8/04/20	UPDATE TO 7TH ED. (2020) FBC DAC
2	10/08/17	UPDATE TO 6TH ED. (2017) FBC JK
1	9/26/16	REVISE ANCHOR LOCATION LFS

DATE: 6/13/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

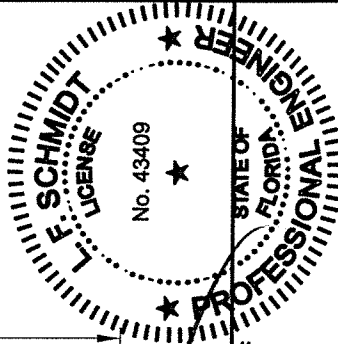
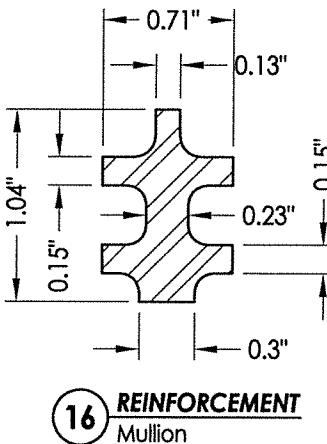
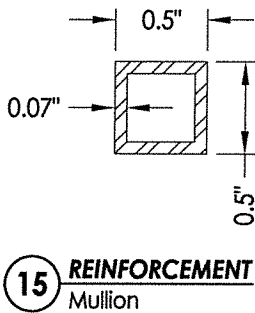
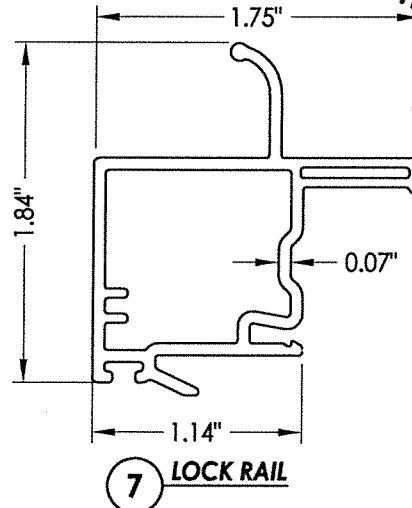
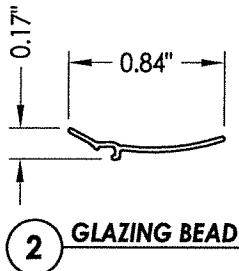
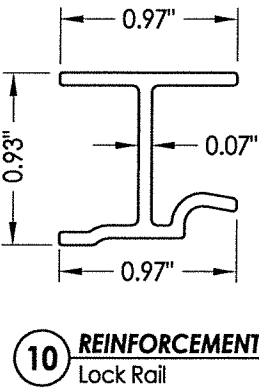
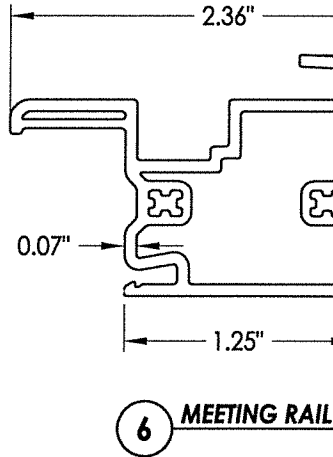
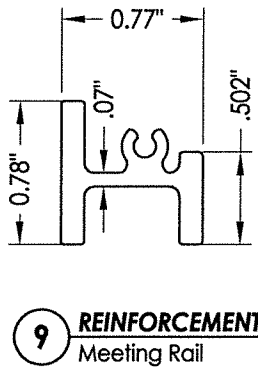
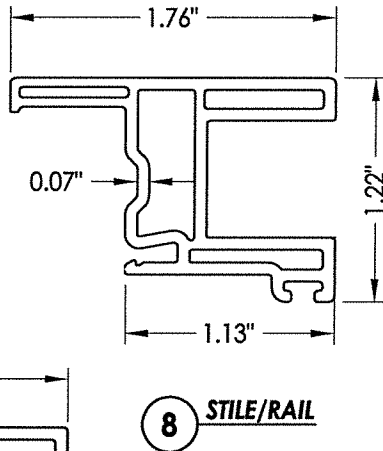
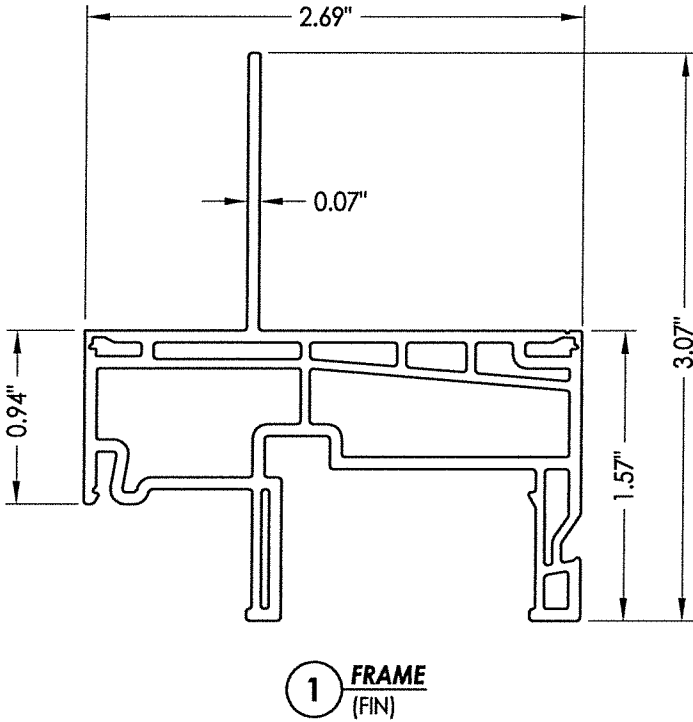
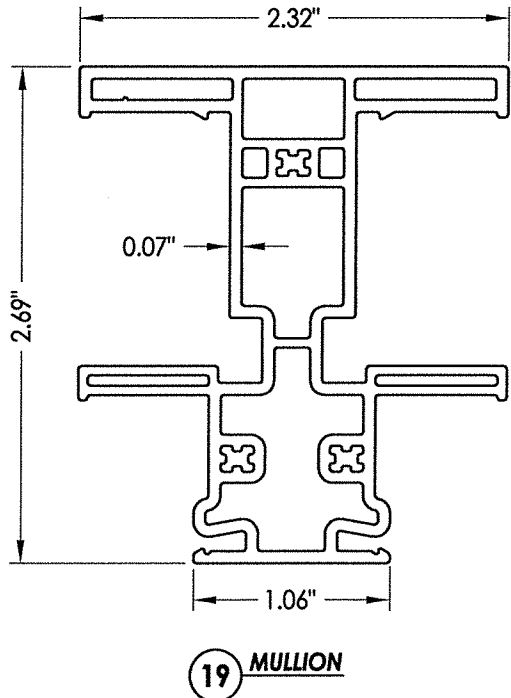
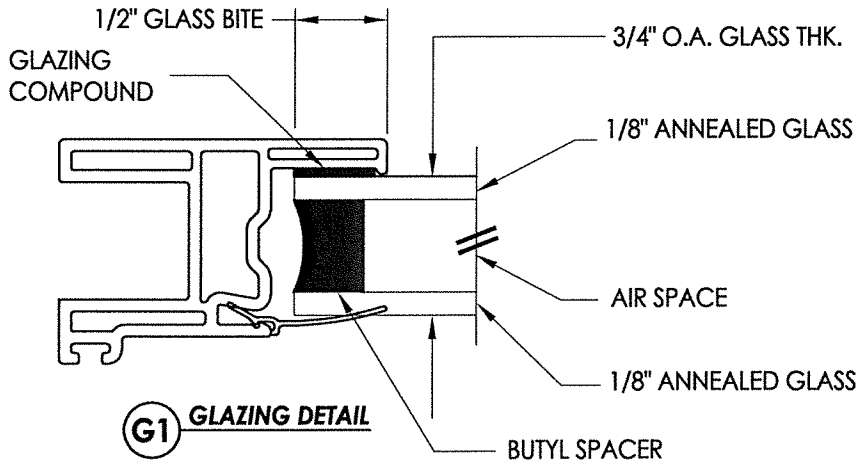
DRAWING NO.: FL-16854.15

SHEET 4 OF 5

\\dc01\wbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16854 Windows - Single Hung\C - Drawings\FL-16854 (2020)\FL-16854.15.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	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 1" PPH SMS (7/8" MIN. EMBEDMENT)	STEEL
G	#8 X 1-3/4" PPH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
J	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 ksi min., Fu=45 ksi min.)	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
1	FRAME*	RIGID PVC
2	GLAZING BEAD*	RIGID PVC
6	MEETING RAIL*	RIGID PVC
7	LOCK RAIL*	RIGID PVC
8	STILE/RAIL*	RIGID PVC
9	MEETING RAIL REINFORCEMENT (6005-T5 ALUM)	ALUM
10	LOCK RAIL REINFORCEMENT (6063-T6 ALUM)	ALUM
11	SASH LOCK	-
12	KEEPER	-
15	MULLION REINFORCEMENT (6063-T6 ALUM)	ALUM
16	MULLION REINFORCEMENT (6063-T6 ALUM)	ALUM
18	WINDOW BALANCE	-
19	MULLION*	RIGID PVC
20	WEATHERSTRIP (.187" X .290")	-

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



August 04, 2020
Documents Prepared By:
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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
3	8/04/20	UPDATE TO 7TH ED. (2020) FBC
2	10/08/17	UPDATE TO 6TH ED. (2017) FBC
1	9/26/16	REVISE ANCHOR LOCATION
NO.	DATE	BY

DATE: 6/13/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-16854.15

SHEET 5 OF 5