

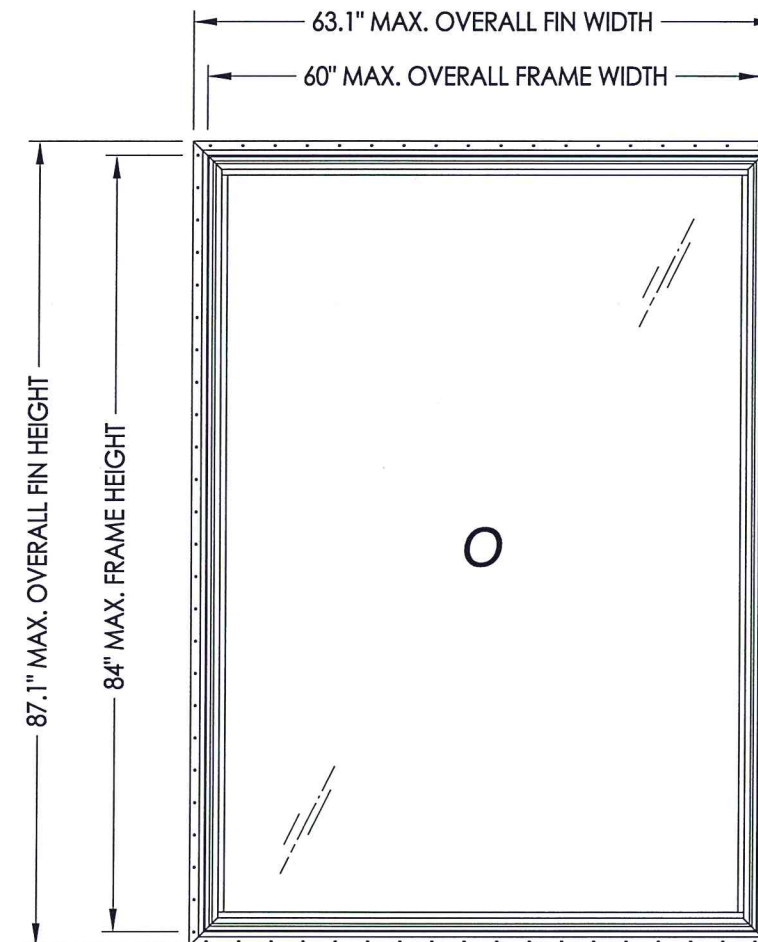


9650 Fixed Window
Impact Rated
w/ Nailing Fin

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).
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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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	Horizontal cross sections
3	Buck & frame anchoring
4	Buck & frame anchoring
5	Bill of materials, components & glazing details



NOTE: VERTICAL ORIENTATION SHOWN (HORIZONTAL ORIENTATION ALSO APPROVED)

MAX. OVERALL FIN DIMENSION	MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
39.1" X 75.1"	36.0" X 72.0"	31.75" X 67.75"	G1	+70.0	-70.0
63.1" X 87.1"	60.0" X 84.0"	55.75" X 79.75"	G2	+60.0	-60.0



August 5, 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

RW

PRODUCT:		Doers	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
2	8/04/20	UPDATE TO 7TH ED. (2020)	FBC
1	9/22/17	UPDATE TO 6TH ED. (2017)	FBC
NO.	DATE		BY
REVISIONS			

DATE: 6/26/15

SCALE: N.T.S.

DWG. BY: JK

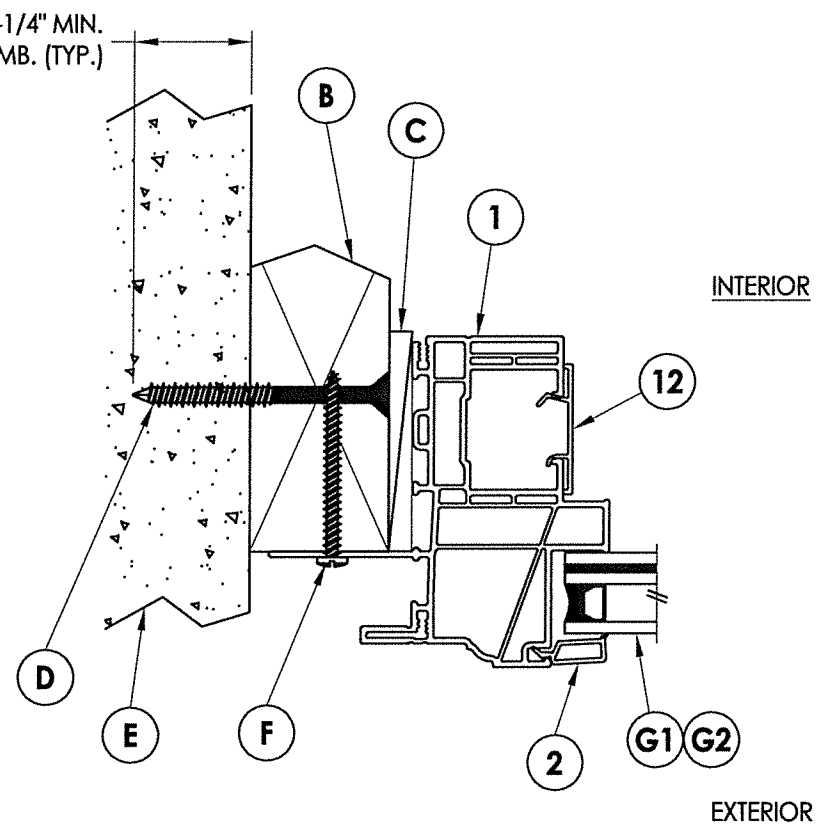
CHK. BY: LFS

DRAWING NO.: FL-15099.15

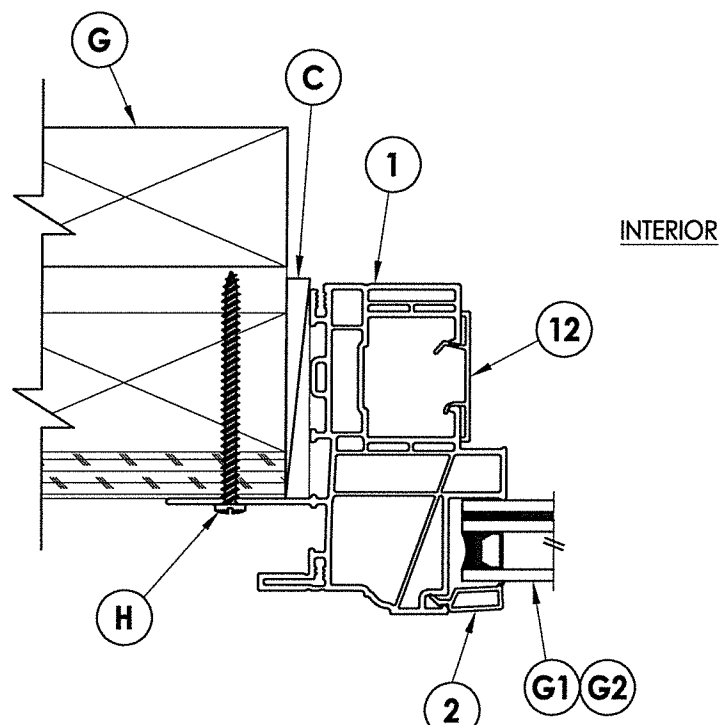
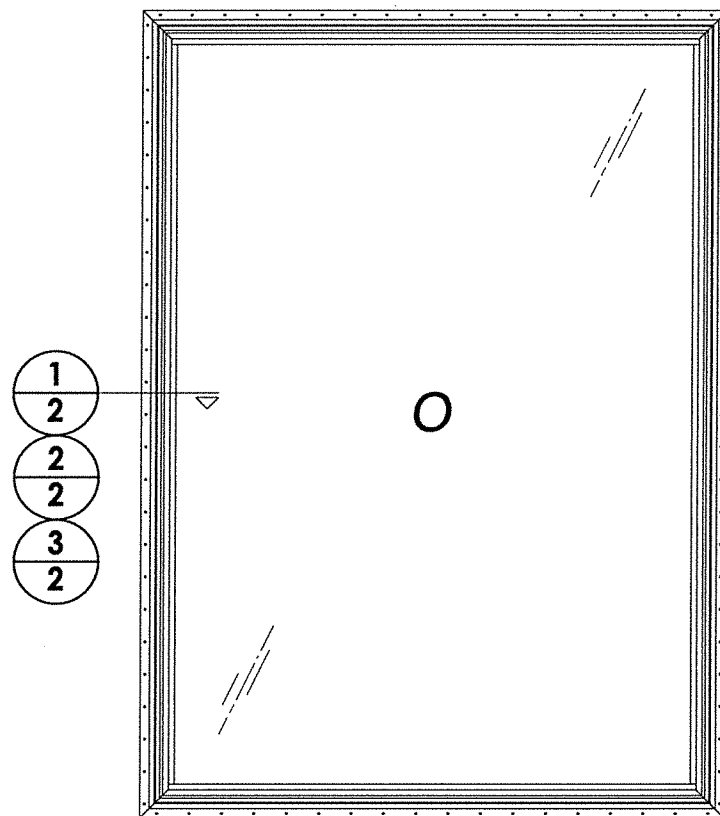
SHEET 1 OF 5

© 2015 R.W. BUILDING CONSULTANTS INC.

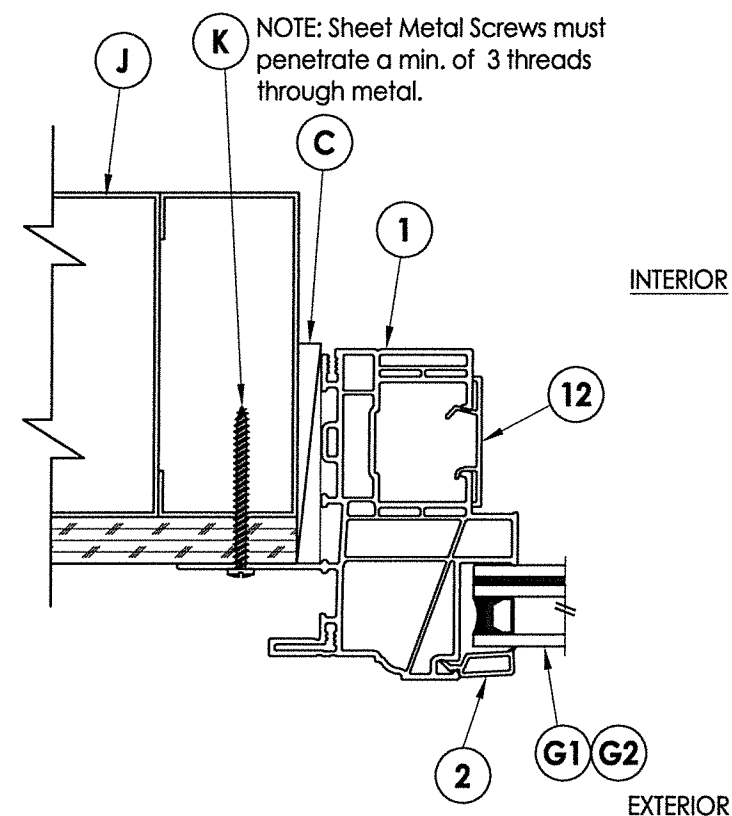
1-1/4" MIN.
EMB. (TYP.)



- 1 **HORIZONTAL CROSS SECTION**
- 2 2X Buck Masonry Construction

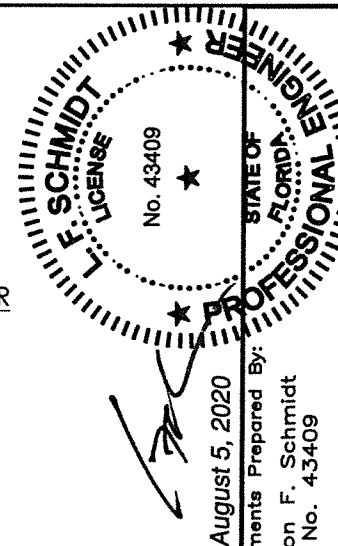


2 HORIZONTAL CROSS SECTION
2 2X Stud Construction



3 HORIZONTAL CROSS SECTION
2 Shown w/ Steel Stud Framing Option

NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through metal.



August 5, 2020

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

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

[illegible]

7" MAX. O.C. (TYP.)

3" MAX. (TYP.)

3" MAX. (TYP.)

7" MAX. O.C. (TYP.)

FRAME

2X BUCK

MASONRY OPENING

F (TYP.)

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

7" MAX. O.C. (TYP.)

3" MAX. (TYP.)

3" MAX. (TYP.)

7" MAX. O.C. (TYP.)

FRAME

H WOOD

K STEEL (TYP.)

FL

August 5, 2020

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

Professional Engineer
State of Florida

No. 43409

FL SCHMIDT
LICENSE

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

August 5, 2020

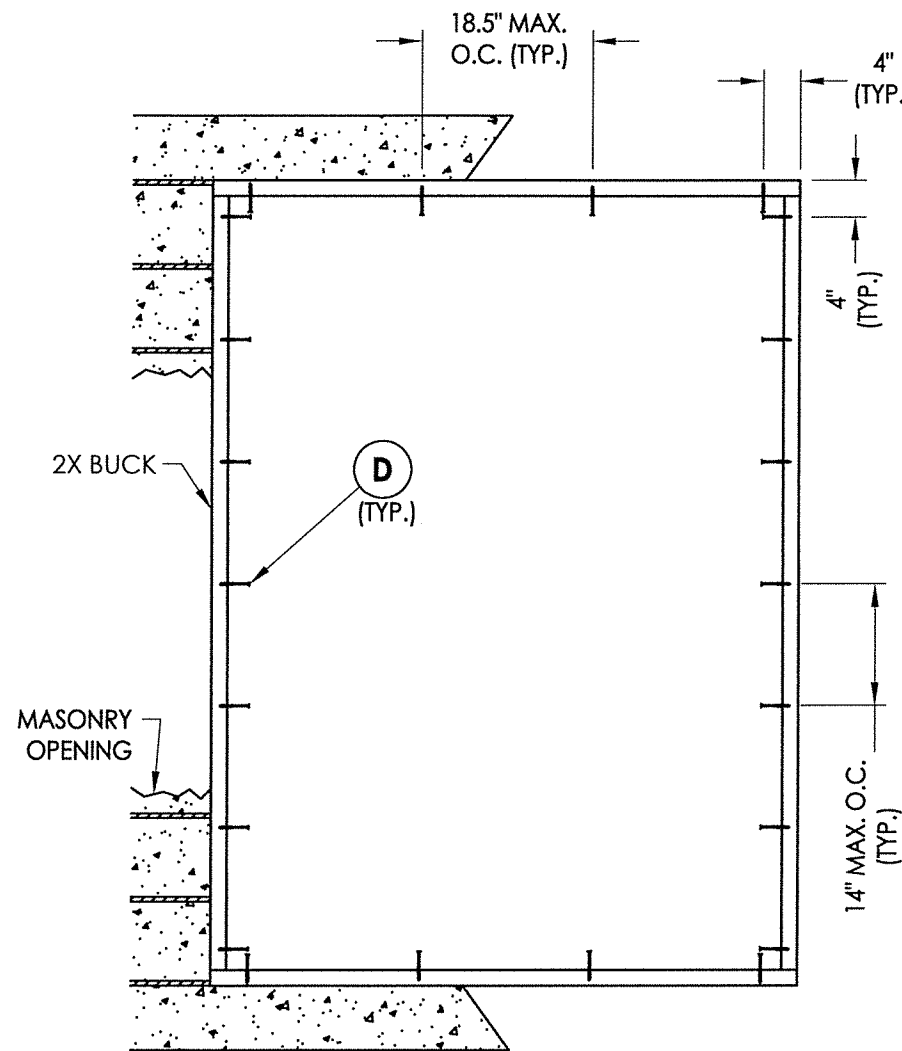
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

DATE: 6/26/15		PRODUCT: Doers	
SCALE: N.T.S.		PART OR ASSEMBLY: BUCK & FRAME ANCHORING	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15099.15			
SHEET 3 OF 5		REVISIONS	
NO.	DATE		BY
2	8/04/20	UPDATE TO 7TH ED. (2020)	FBC DAC
1	9/22/17	UPDATE TO 6TH ED. (2017)	FBC JK

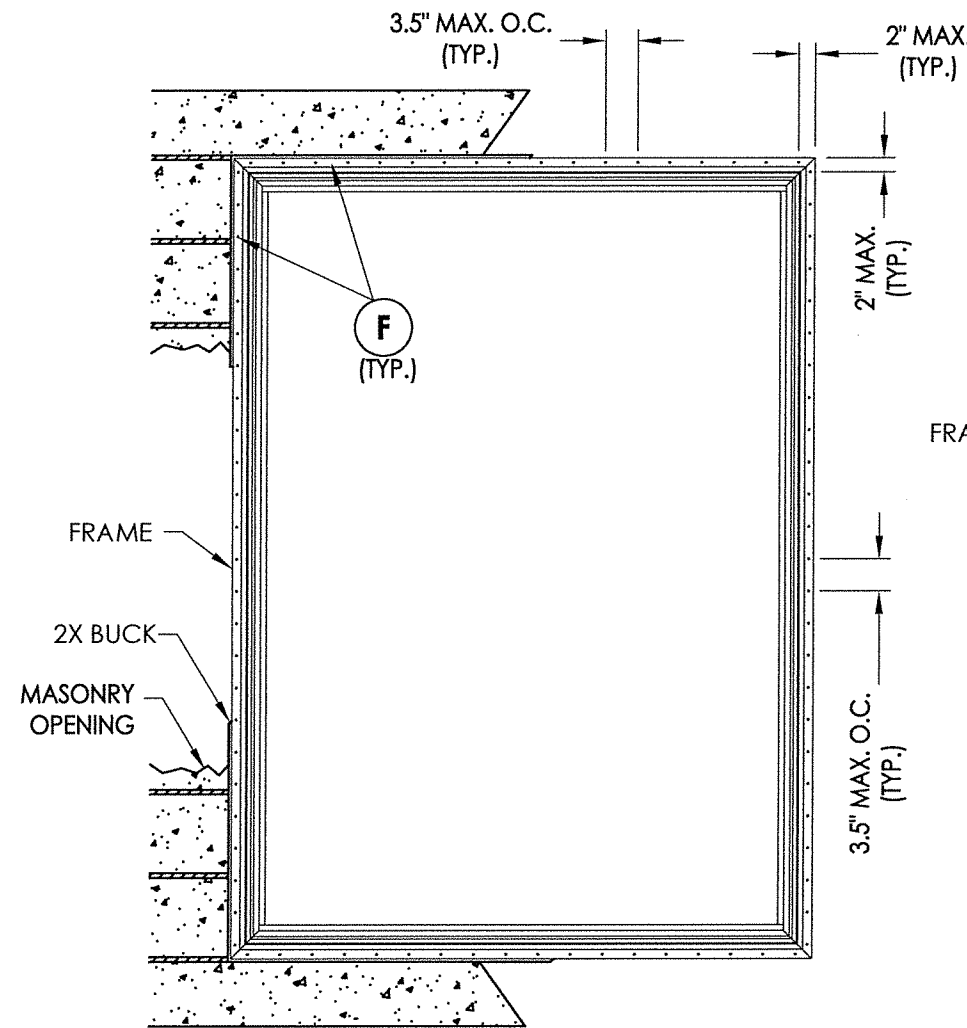
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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

\\dc01\rbwc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15099 Windows - Fixed\A - Drawings\FL-15099 (2020)\FL-15099.15.dwg

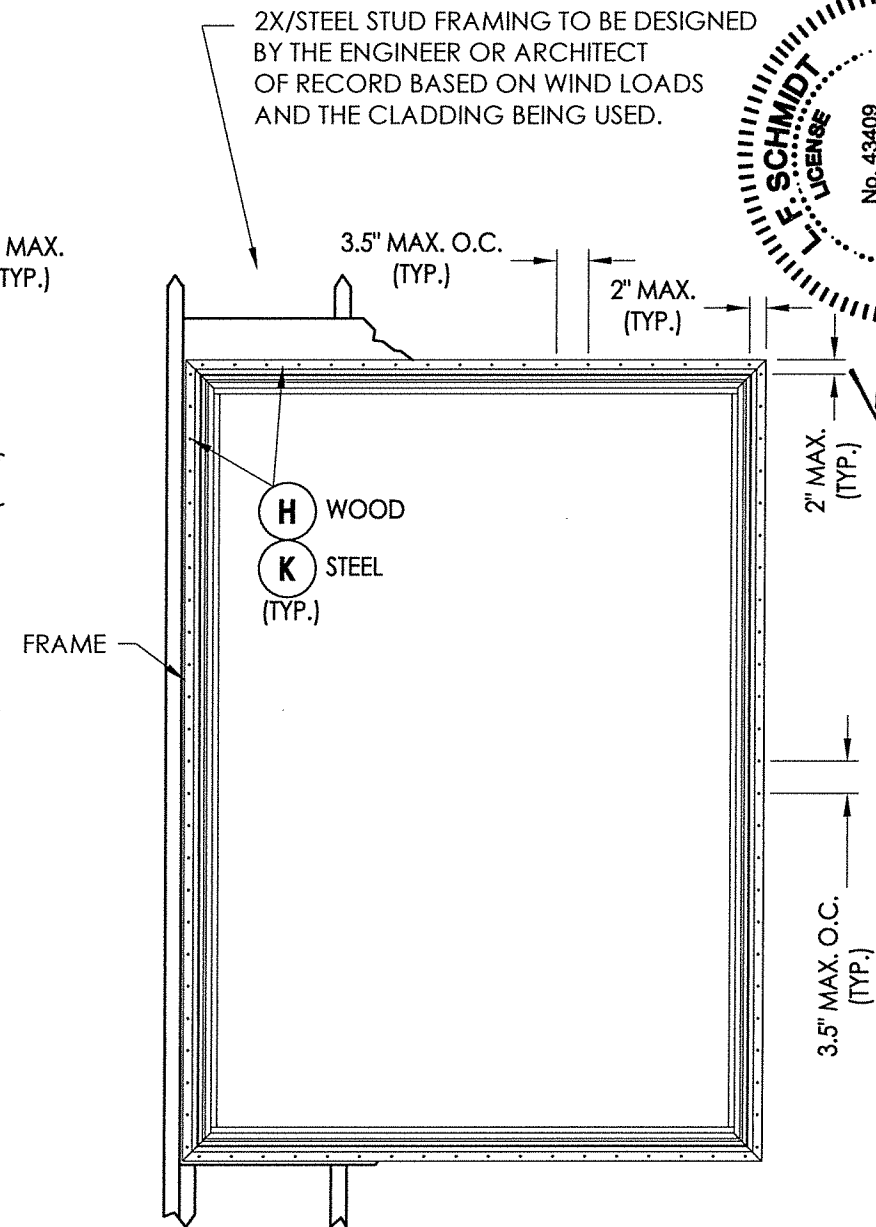


BUCK ANCHORING
60" x 84"



FRAME ANCHORING
2X Buck Masonry
Construction

60" X 84" MAX FRAME SIZE



FRAME ANCHORING
Stud Construction

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"

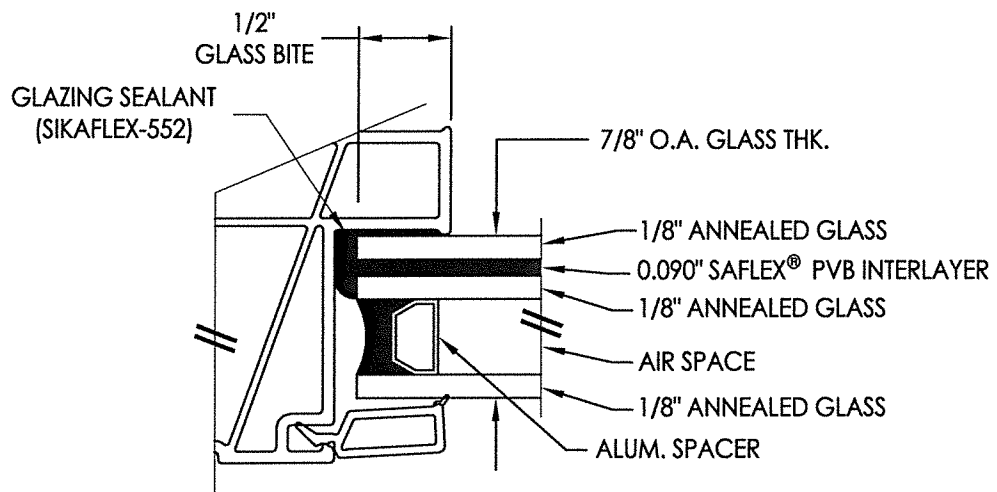
WOOD SCREW INSTALLATION NOTES:

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

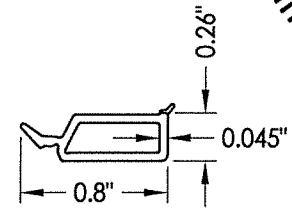
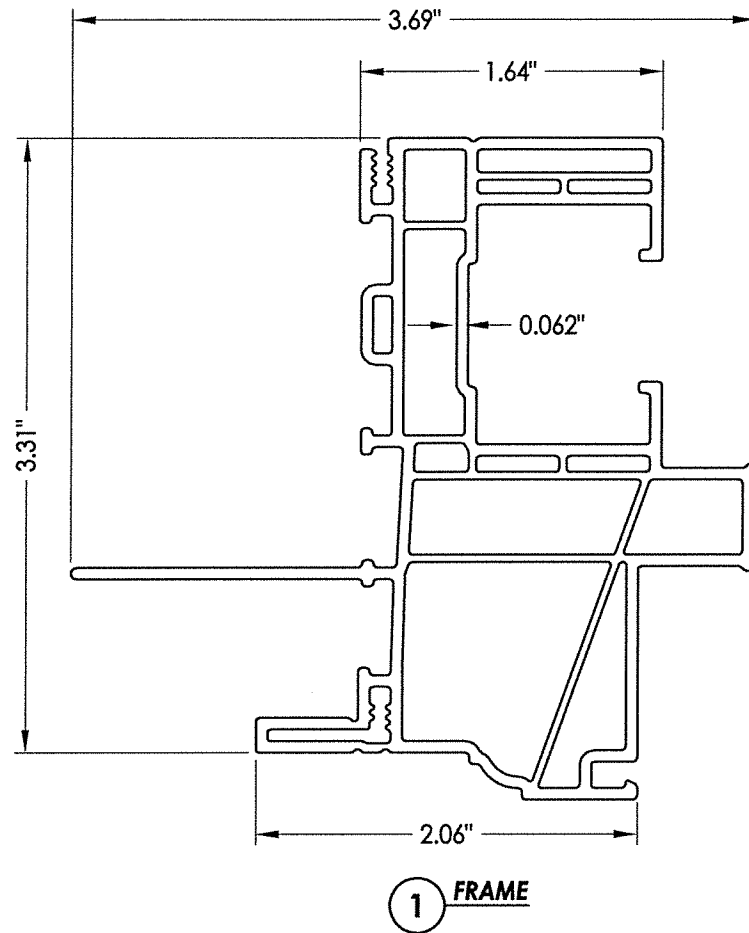
FLORIDA PROFESSIONAL ENGINEER F. SCHMIDT LICENSE No. 43409 August 5, 2020 Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		STATE OF FLORIDA BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: Doers		PART OR ASSEMBLY: BUCK & FRAME ANCHORING	
DATE: 6/26/15		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-15099.15		SHEET 4 OF 5	
NO. DATE		REVISIONS	
2 8/04/20 UPDATE TO 7TH ED. (2020) FBC		DAC	
1 9/22/17 UPDATE TO 6TH ED. (2017) FBC		JK	
1 9/22/17		BY	

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 - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
G	2X STUD (SG >= 0.42)	WOOD
H	#10 X 2-1/2" PPH SMS (1-3/4" 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	EXTRUDED VINYL FRAME (437)*	RIGID PVC
2	EXTRUDED VINYL GLAZING BEAD (736A)*	RIGID PVC
12	FRAME ADAPTER	RIGID PVC

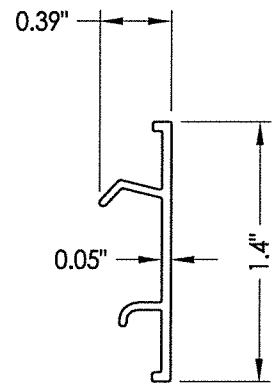
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



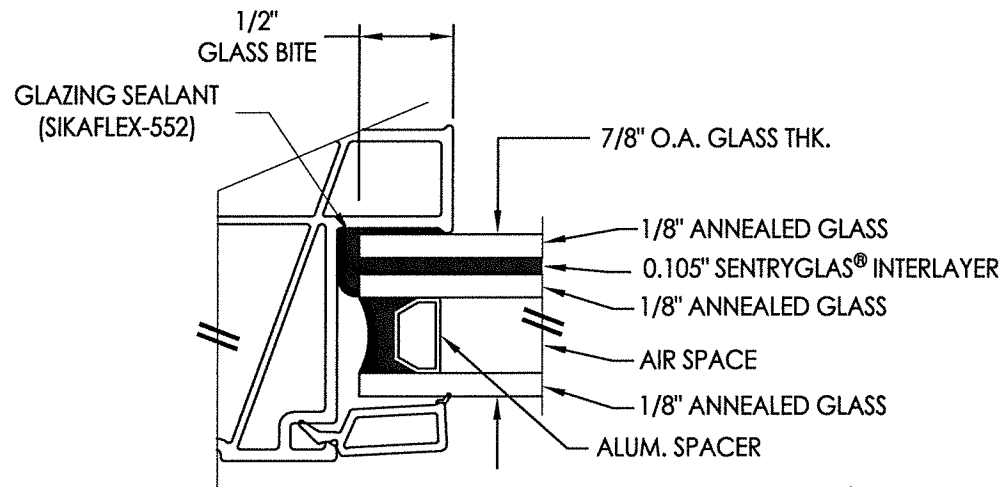
G1 GLAZING DETAIL



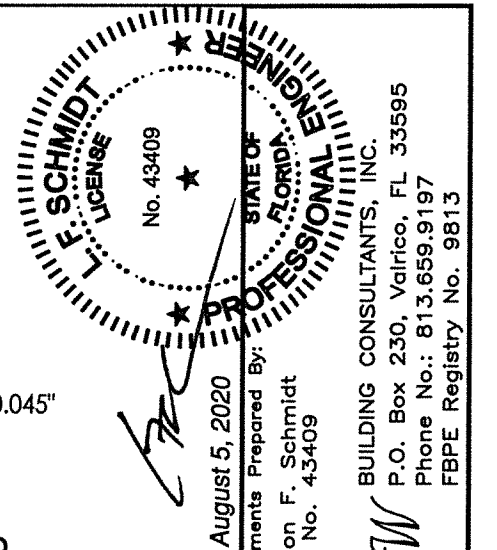
2 GLAZING BEAD



12 FRAME ADAPTER



G2 GLAZING DETAIL



August 5, 2020

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

RW BUILDING CO
P.O. Box 23
Phone No.:
FBPE Registr

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

NO.		DATE	REVISIONS	
2	8/04/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
1	9/22/17	UPDATE TO 6TH ED. (2017)	FBC	JK
				BY

DATE: 6/26/15	© 2015 R.W. BUILDING
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-15099.15	
SHEET 5 OF 5	