



COLUMBIA COUNTY PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online at www.floridabuilding.org.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING	Wincore	Sliding Patio Door	16216.4
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
A. ENVELOPE PRODUCTS			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; (1) copy of the product approval (2) performance characteristics which the product was tested and certified to comply with (3) copy of the applicable manufacturer's installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

APPLICANT SIGNATURE

1/17/2024

DATE



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > **Application List**

► OFFICE OF THE
SECRETARY

Search Criteria

[Refine Search](#)

Code Version	2023	FL#	16216.4
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL16216-R15 History	Revision	Wincore Window Company, LLC FL#: FL16216.4 Model: d. 5400 / 5400S / 7700 / 9900 Series Description: Extruded Vinyl Sliding Patio Door (XO or OX Configuration - Nominal 8'0 x 8'0) Category: Exterior Doors Subcategory: Sliding Exterior Door Assemblies	Ryan J. King, P.E. (813) 767-6555	Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

[Contact Us](#) :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

The State of Florida is an AA/EEO employer. [Copyright 2007-2013 State of Florida](#). :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:





250 Staunton Turnpike, Parkersburg, WV 26104

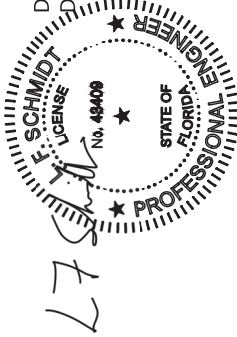
5400/5400S/7700/9900 Series Vinyl Sliding Patio Door

"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. 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.

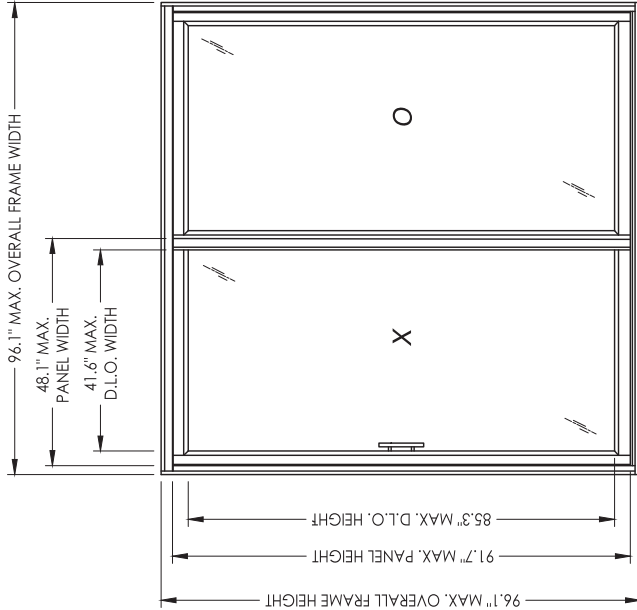
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Horizontal cross sections
5	Vertical cross sections
6	Buck & frame anchoring
7	Buck & frame anchoring
8	Glazing details
9	Bill of materials & components



Digitally signed by Lyndon F Schmidt
Date: 2023.07.06 12:57:56 -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



OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
70.9" x 81.9"	35.4" x 77.6"	28.9" x 71.2"	G1, G2, G3	+60.0	-60.0
94.5" x 79.5"	47.2" x 75.2"	40.7" x 68.8"	G1, G2, G3	+40.0	-40.0
96.1" x 96.1"	48.1" x 91.7"	41.6" x 85.3"	G1, G2, G3	+35.0	-35.0

PRODUCT: 5400/5400S/7700/9900 SERIES SLIDING PATIO DOORS		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 220, Vero Beach, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	
REVISIONS		NO. DATE	
7/06/23		UPDATE TO 8TH ED. (2023) FBC	
7/06/20		UPDATE TO 7TH ED. (2020) FBC	
6/01/17		UPDATE TO 6TH ED. (2017) FBC	
1/28/15		UPDATE TO 5TH ED. (2014) FBC	
DATE		BY	
4/02/13		JK	
SCALE: N.T.S.		DWG. BY: JK	
CHK. BY: LFS		DRAWING NO.: FL-16216.4	
SHEET 1 OF 9		© 2013 R.W. BUILDING CONSULTANTS INC.	

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

Diagram illustrating the horizontal cross section of a window assembly, showing the interior and exterior views.

Interior View (Left):

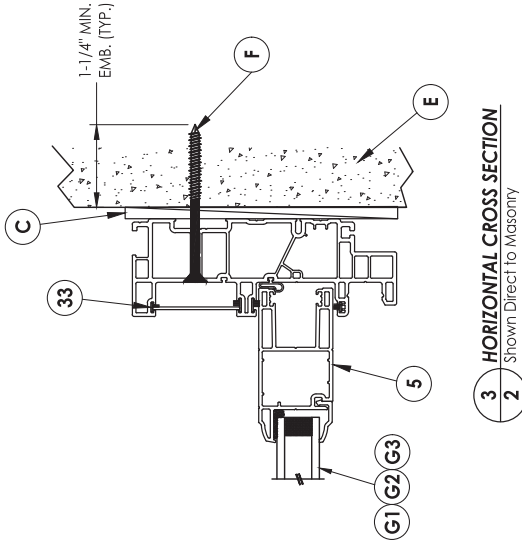
- 52: Interior glass pane.
- 19: Interior frame/fin.
- 50: Interior weatherstripping.
- 5: Interior sealant.
- 46: Interior frame/fin.
- 53: Interior frame/fin.
- 48: Interior frame/fin.
- 47: Interior frame/fin.
- 34: Interior frame/fin.
- 44: Interior frame/fin.

Exterior View (Right):

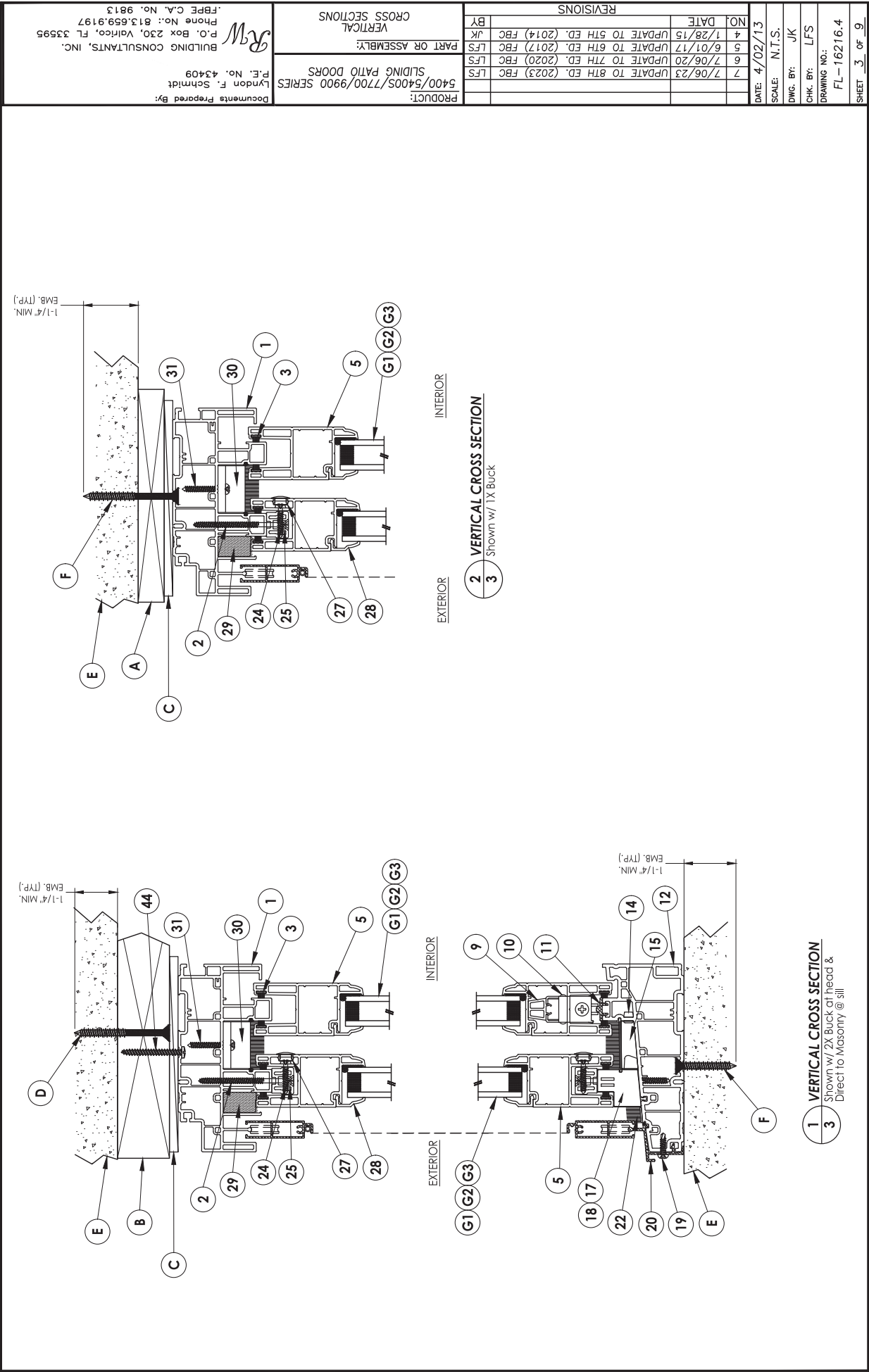
- G1 G2 G3: Exterior glass panes.
- 52: Exterior glass pane.
- 39: Exterior frame/fin.
- 23: Exterior frame/fin.
- 42: Exterior frame/fin.
- 43: Exterior frame/fin.
- 40: Exterior frame/fin.

Assembly Details:

- C: Window frame/fin.
- B: Window frame/fin.
- E: Window frame/fin.
- D: Window frame/fin.



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
FPEE C.A. No. 9813



PRODUCT: 5400/5400S/7700/9900 SERIES
SLIDING PATIO DOORS

PART OR ASSEMBLY:

VERTICAL
CROSS SECTIONS

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

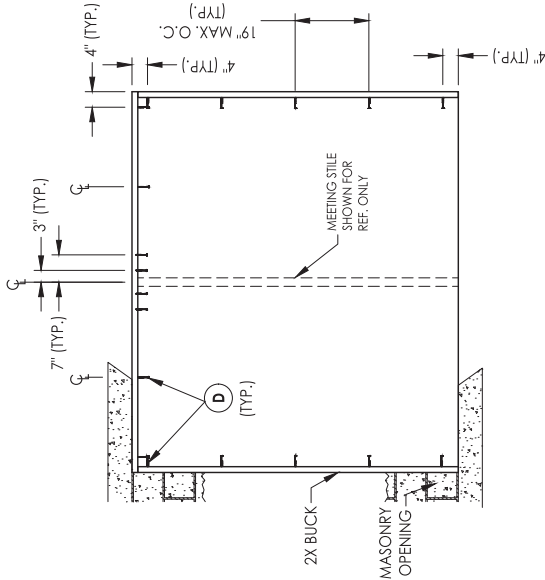


NOTES:

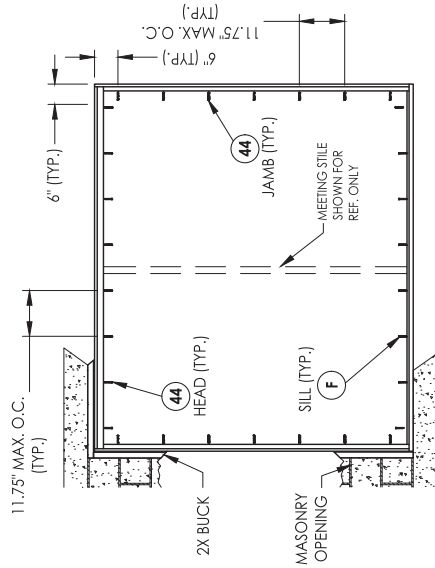
1. Stagger concrete anchors as necessary to maintain min. of 4" between each anchor.

See Note 1

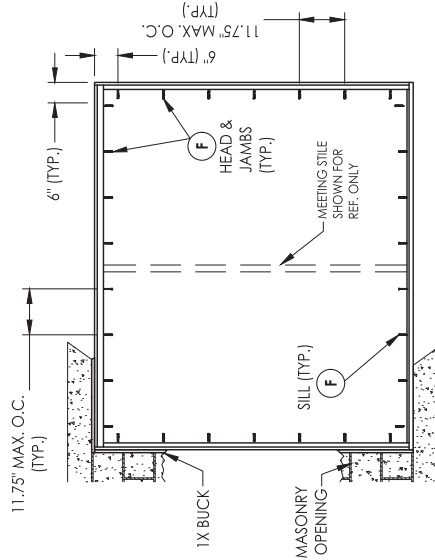
1 VERTICAL CROSS SECTION
5 Shown w/ 2X Buck at head & Direct to Masonry @ sill



BUCK ANCHORING MASONRY



FRAME ANCHORING
2X Buck



FRAME ANCHORING
1X Buck. Direct to Masonry

ANCHORING UP TO 94.5" X 79.5" FRAME SIZE

NOTE: One (1) ANCHOR REQ'D @ EACH LOCATION SHOWN

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 HITLAPCON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

- 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.

DATE: 4/02/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16216.4
SHEET 6 OF 9

REVISIONS	
UPDATE TO 8TH ED. (2023)	FBC
UPDATE TO 7TH ED. (2020)	FBC
UPDATE TO 6TH ED. (2017)	FBC
UPDATE TO 5TH ED. (2014)	FBC
JK	BY

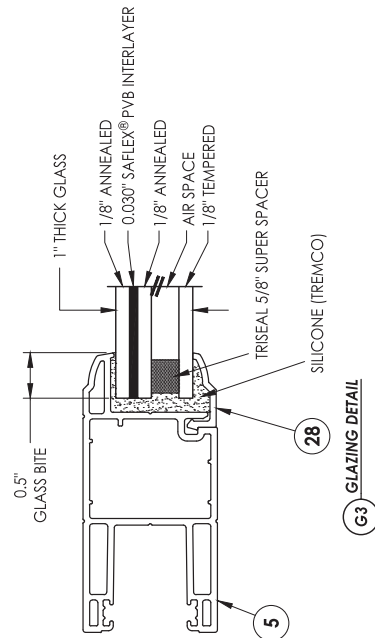
PRODUCT: 5400/5400S/7700/9900 SERIES SLIDING PATIO DOORS	PART OR ASSEMBLY: BUCK & FRAME ANCHORING
--	--

Documents Prepared By: E. J. Schmidt
P.E. No. 43409
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
F.B.P.E. C.A. No. 9813

Documents Prepared By: Lyndon F. Schmidt
P.E. No. 43409
W
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

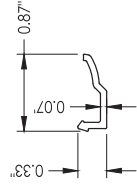
PRODUCT:	5400/5400S/7700/9900 SERIES SLIDING PATIO DOORS
PART OR ASSEMBLY:	GLAZING DETAILS

Documents Prepared By:

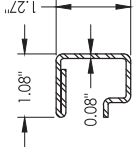


BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" DeWALT OR ITW CONCRETE SCREW (1-1/4" MIN. EMBEDMENT REQ'D. INTO CONCRETE)	STEEL
1	FRAME HEAD*	PVC
2	#8 X 2-3/4" FH QUADREX WOOD SCREW	STEEL
3	WEATHERSTRIP (SCHLEGEL #HF-7522-270)	-
4	HEAD TRACK*	PVC
5	STILE & RAIL*	PVC
6	SETTING BLOCK	-
7	SILICONE (SIKA 552)	SILICONE
8	DURASEAL SPACER SYSTEM	-
9	SHIM	-
10	TANDEM WHEEL	NYLON
11	ROLLING RAIL	ALUM
12	SILL*	PVC
13	SILL DUST COVER*	PVC
14	SILL PLUG	NYLON
15	SILL WEATHERSEAL	-
17	LEFT CAP FOR SILL ADAPTER*	PVC
18	RIGHT CAP FOR SILL ADAPTER*	PVC
19	#8 X 5/8" PAN HEAD, SQUARE, SELF-DRILLING SCREW	STEEL
20	OUTSIDE SILL CLADDING	STEEL
22	INSECT STOP	-
23	SCREEN	-
24	#8 X 7/8" PAN HEAD, QUADREX, SCREW	STEEL
25	FIXED PANEL ANCHOR BLOCK*	PVC
27	SCREW CAP	NYLON
28	GLAZING BEAD*	PVC

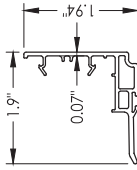
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



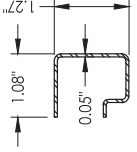
28 GLAZING BEAD



50 REINFORCEMENT
Stile

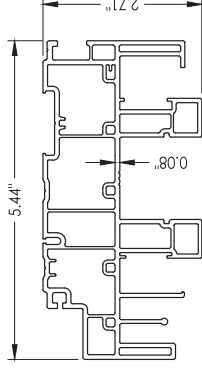


52 INTERLOCK

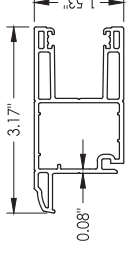


53 REINFORCEMENT
Stile

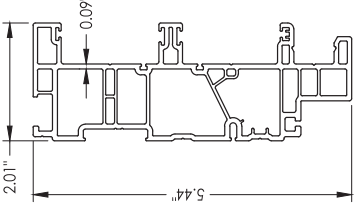
29	FOAM PLUG	-
30	HEAD WEATHERSEAL	-
31	#8 X 1-1/4" PAN HEAD, QUADREX, SCREW	STEEL
32	SASH STOPPER	EPDM
33	WEATHERSTRIP	-
34	FRAME JAMB*	PVC
35	WEATHERSTRIP	-
39	HANDLE KIT	STEEL
42	KEEPER FOR SCREEN	-
43	#4 X 5/8" PAN HEAD QUADREX SCREW	STEEL
44	#10 PPH WOOD SCREW (1-3/8" MIN. EMBEDMENT REQ'D INTO WOOD)	STEEL
46	STAINLESS STEEL DOUBLE POINT MORTISE LOCK KIT	STEEL
47	SASH COVERING CAP*	PVC
48	LOCK PLUG*	PVC
50	STILE REINFORCEMENT (CS TYPE B HOT DIPPED GALV.)	STEEL
51	#8 X 2" TRUSS HEAD QUADREX SCREW	PVC
52	INTERLOCK*	STEEL
53	STILE REINFORCEMENT (CS TYPE B HOT DIPPED GALV.)	STEEL
54	Q-LON WEATHERSTRIP (SCHLEGEL NO. QEZ 345)	-



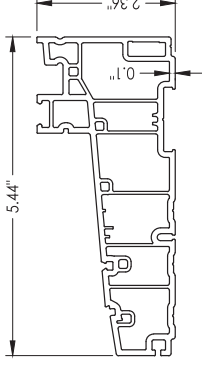
1 FRAME HEAD



5 STILE RAIL



34 FRAME JAMB



12 FRAME SILL

REVISONS		PART OR ASSEMBLY:	
NO.	DATE	5400/5400S/7700/9900 SERIES SLIDING PATIO DOORS	5400/5400S/7700/9900 SERIES SLIDING PATIO DOORS
7	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS	5400/5400S/7700/9900 SERIES SLIDING PATIO DOORS
6	7/06/20	UPDATE TO 7TH ED. (2020) FBC LFS	5400/5400S/7700/9900 SERIES SLIDING PATIO DOORS
5	6/01/17	UPDATE TO 6TH ED. (2017) FBC LFS	5400/5400S/7700/9900 SERIES SLIDING PATIO DOORS
4	1/28/15	UPDATE TO 5TH ED. (2014) FBC JK BY	5400/5400S/7700/9900 SERIES SLIDING PATIO DOORS

BILL OF MATERIALS & COMPONENTS	
PRODUCT:	5400/5400S/7700/9900 SERIES SLIDING PATIO DOORS
PREPARED BY:	Lyndon F. Schmitz
DATE:	P.E. No. 45409
PHONE NO.:	813.659.9197
ADDRESS:	P.O. Box 230, Valrico, FL 33595
COMPANY:	BUILDING CONSULTANTS, INC.
PHONE NO.:	813.659.9197
ADDRESS:	P.O. Box 230, Valrico, FL 33595
COMPANY:	BUILDING CONSULTANTS, INC.