



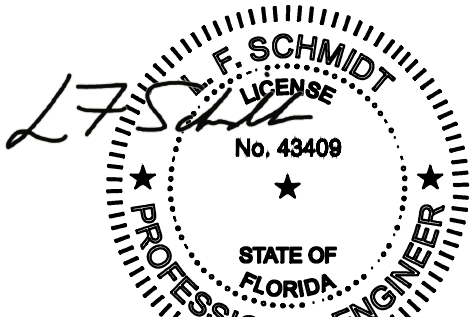
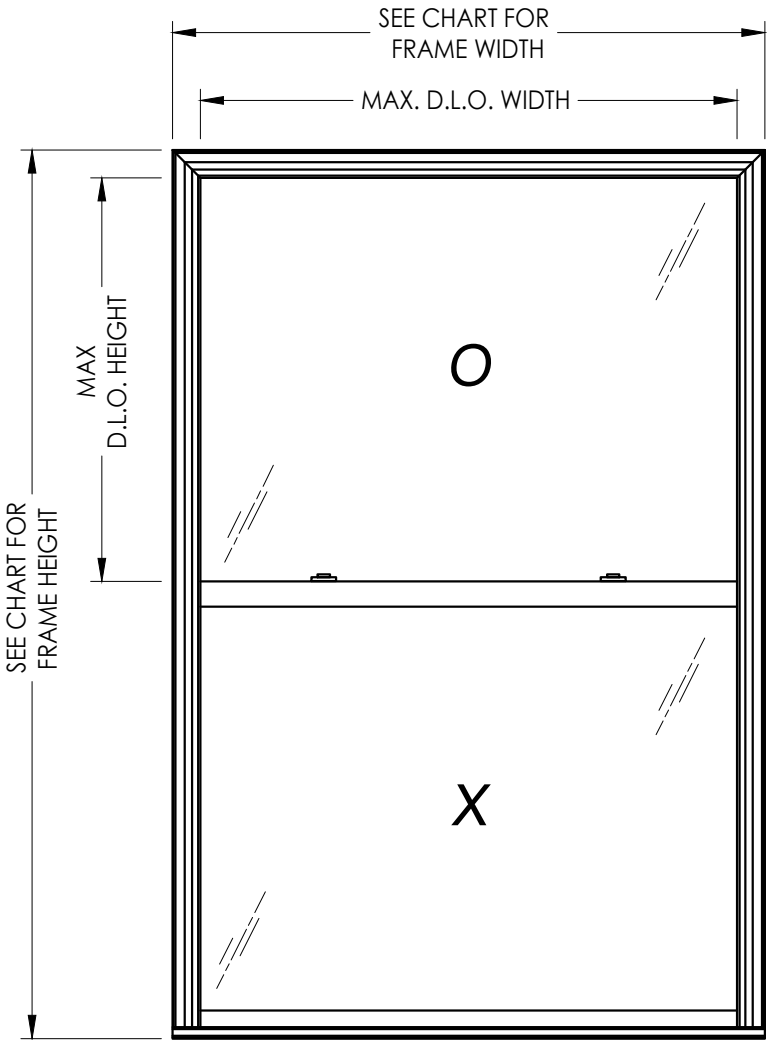
250 Staunton Turnpike, Parkersburg, WV 26104

5400, 5400S Series
Vinyl Single Hung
Window
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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.

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6	Buck and frame anchoring
7	Bill of materials, components & glazing details



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THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

MAX. FRAME DIMENSION	MAX. FIXED D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
48.0" X 72.0"	43.5" X 32.75"	G1	+50.0	-55.0
52.0" X 48.0"	47.5" X 20.75"	G1	+35.0	-45.0
32.0" X 80.0"	27.5" X 36.75"	G1	+35.0	-40.0
54.0" X 56.0"	49.5" X 24.75"	G1	+30.0	-35.0
52.0" X 58.0"	47.5" X 25.75"	G1	+30.0	-35.0
40.0" X 74.0"	35.5" X 33.75"	G1	+30.0	-35.0
36.0" X 84.0"	31.5" X 38.75"	G1	+30.0	-35.0
52.0" X 68.0"	47.5" X 30.75"	G1	+25.0	-30.0

MAX. FRAME DIMENSION	MAX. FIXED D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
48.0" X 74.0"	43.5" X 33.75"	G1	+25.0	-30.0
44.0" X 82.0"	39.5" X 37.75"	G1	+25.0	-30.0
40.0" X 84.0"	35.5" X 38.75"	G1	+25.0	-30.0
54.0" X 84.0"	49.5" X 38.75"	G1	+20.0	-25.0
36.0" X 96.0"	31.5" X 44.75"	G1	+30.0	-30.0
48.0" X 96.0"	43.5" X 55"	G1	+40.0	-40.0
48.0" X 96.0"	43.5" X 44.75"	G2	+30.0	-30.0

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

5400, 5400S SERIES
Vinyl Single Hung Window

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

8 7/01/26 UPDATE TO 9TH ED. (2026) FBC LFS
7 7/06/23 UPDATE TO 8TH ED. (2023) FBC LFS
6 7/02/20 UPDATE TO 7TH ED. (2020) FBC LFS
NO. DATE

REVISIONS

DATE: 6/22/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-17088.2

SHEET 1 OF 7

275
L. F. SCHMIDT
LICENSE
No. 43409
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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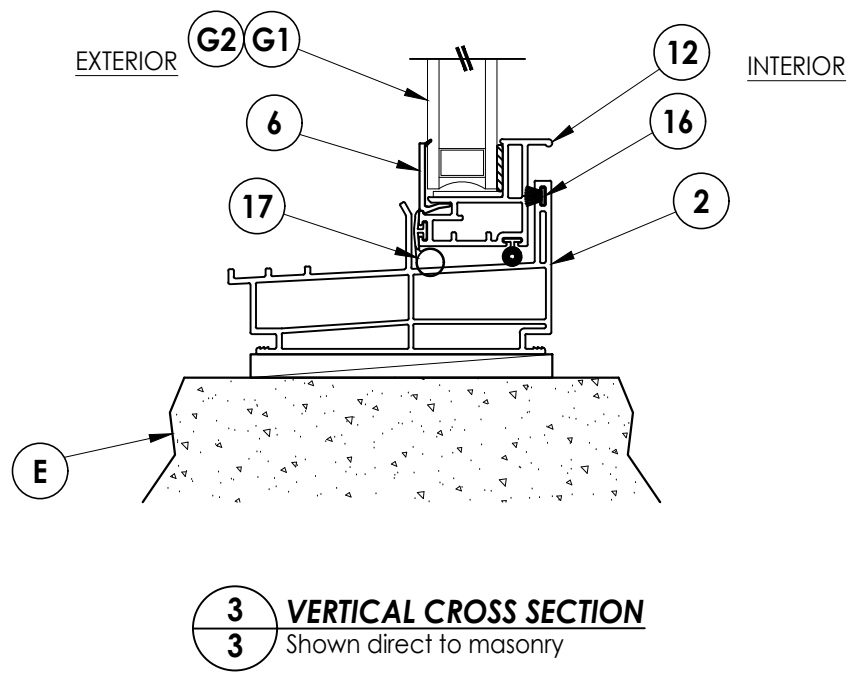
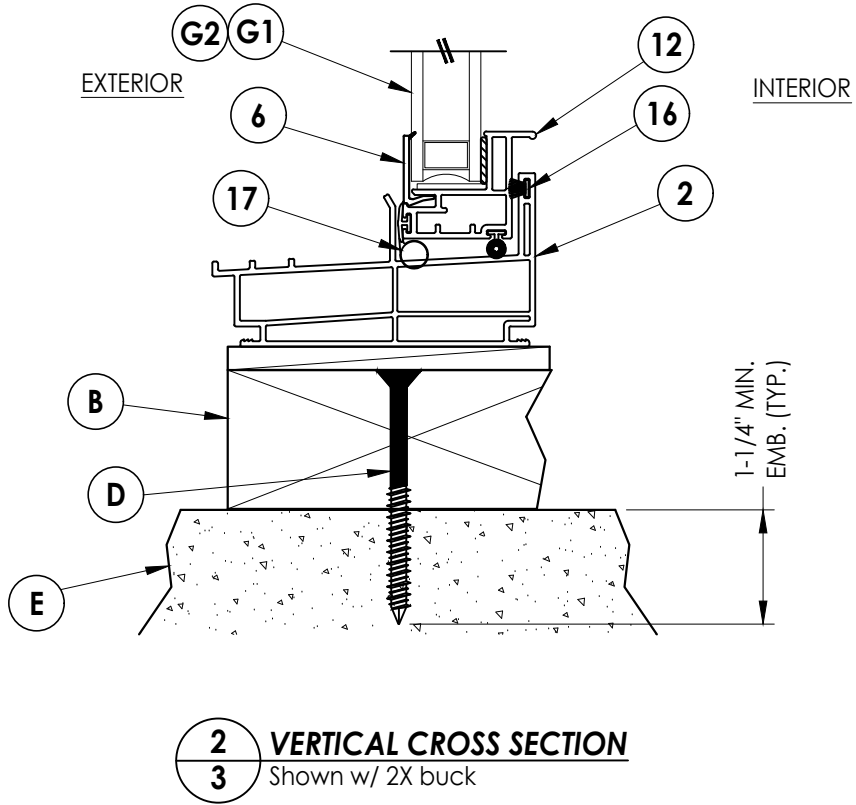
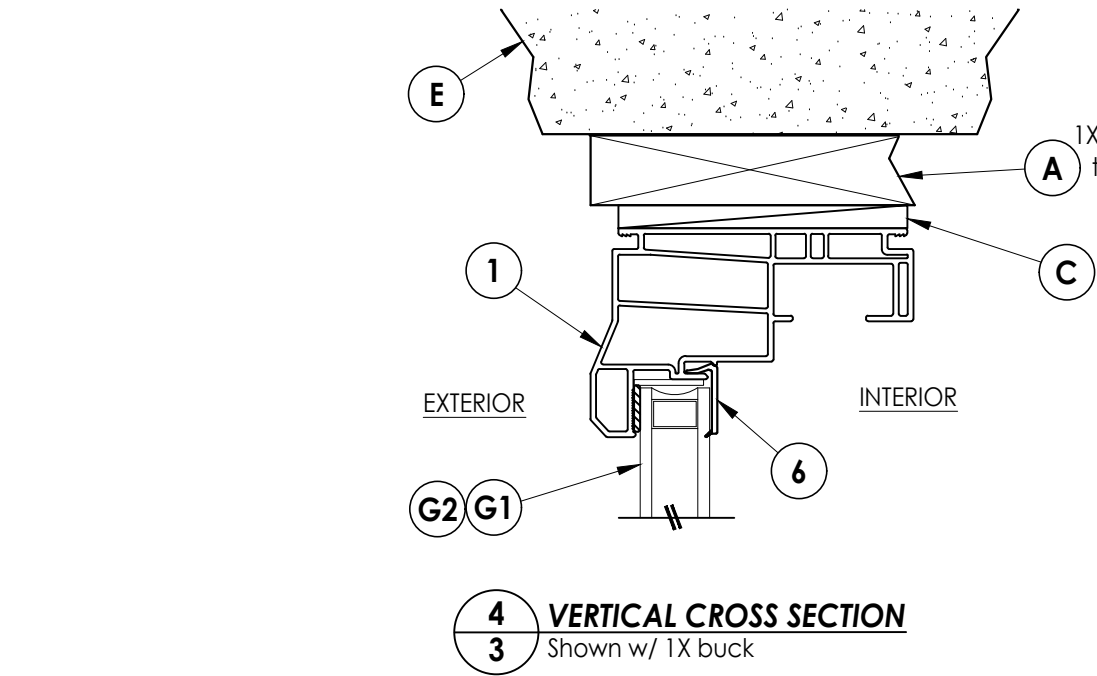
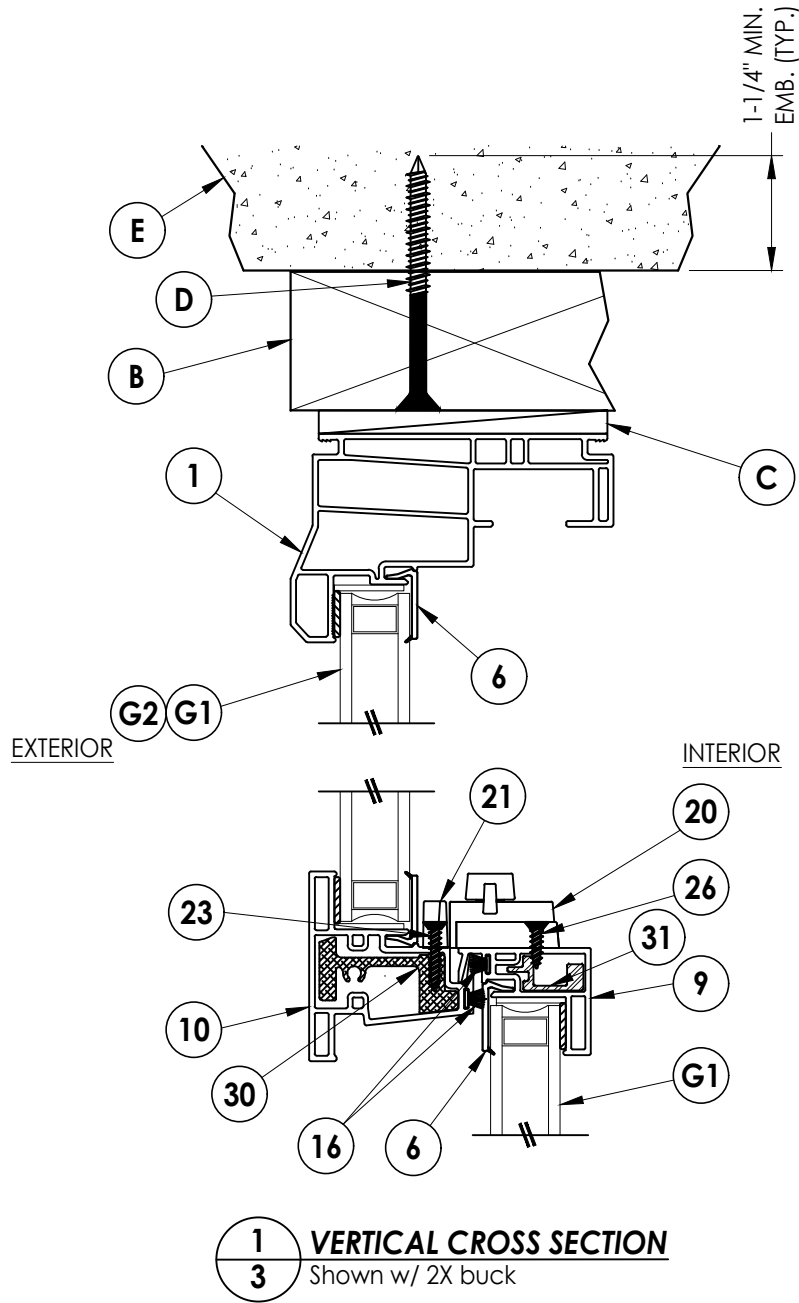
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RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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Phone No.: 813.659.9197
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PRODUCT:
5400, 5400S SERIES
Vinyl Single Hung Window

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
8	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
7	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
6	7/02/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 6/22/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17088.2

SHEET 3 OF 7

2X BUCK

FRAME

SONRY OPENING

6" (TYP.)

3" (TYP.)

3" (TYP.)

6" (TYP.)

F TYP.

SASH

MTG. RAIL

SASH

UP TO 96" MAX. FRAME HEIGHT
(EQUAL LITES)

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 ULTRA-CON®	1/4"	1-1/4"	1"	4"

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

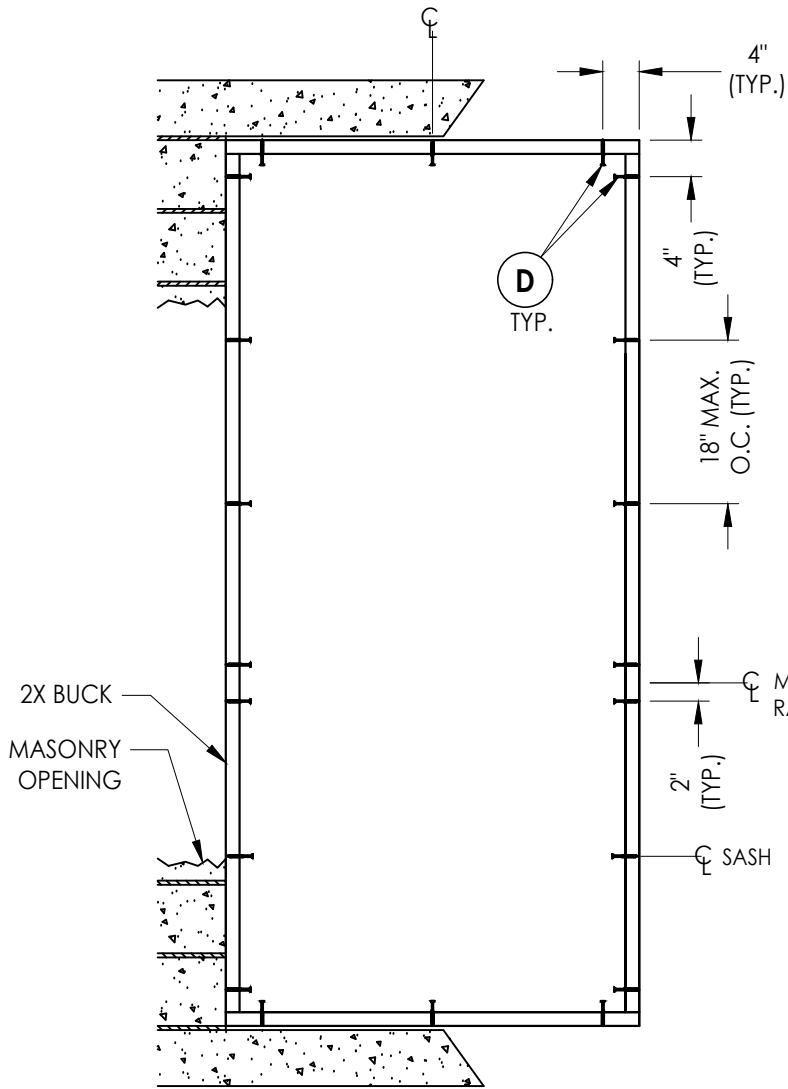
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CHK. BY:	LFS
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SHEET	5 OF 7

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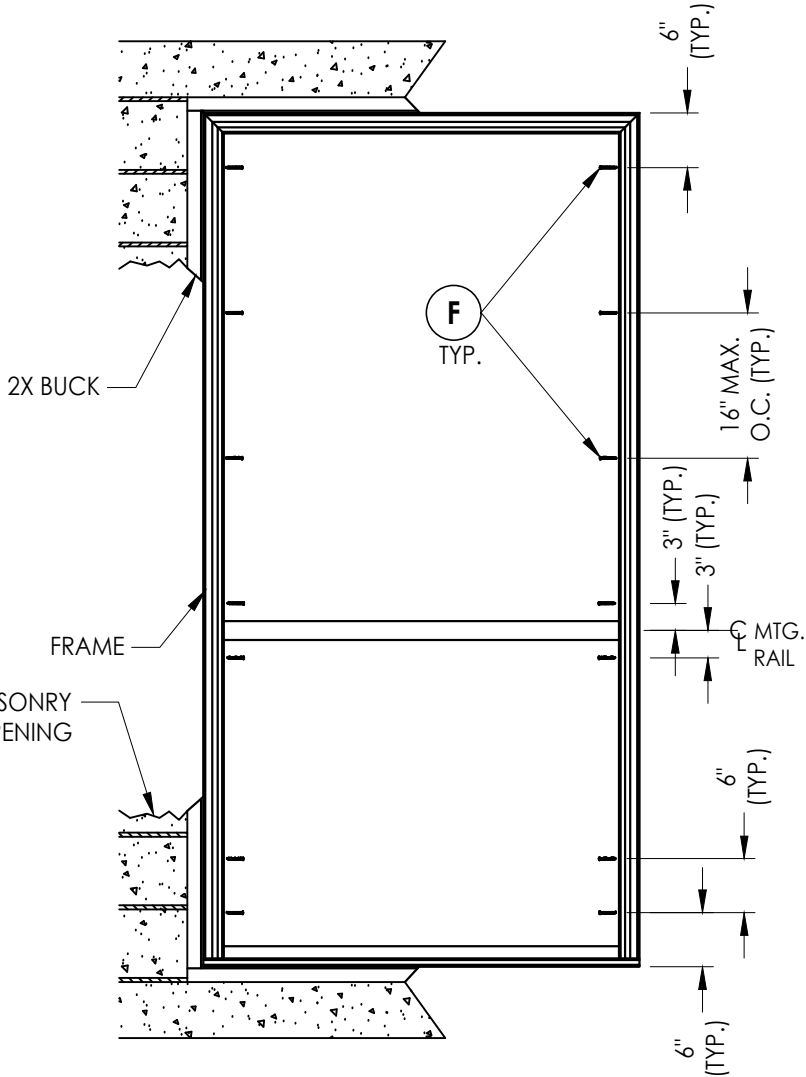
PART OR ASSEMBLY:
**BUCK AND
FRAME ANCHORING**

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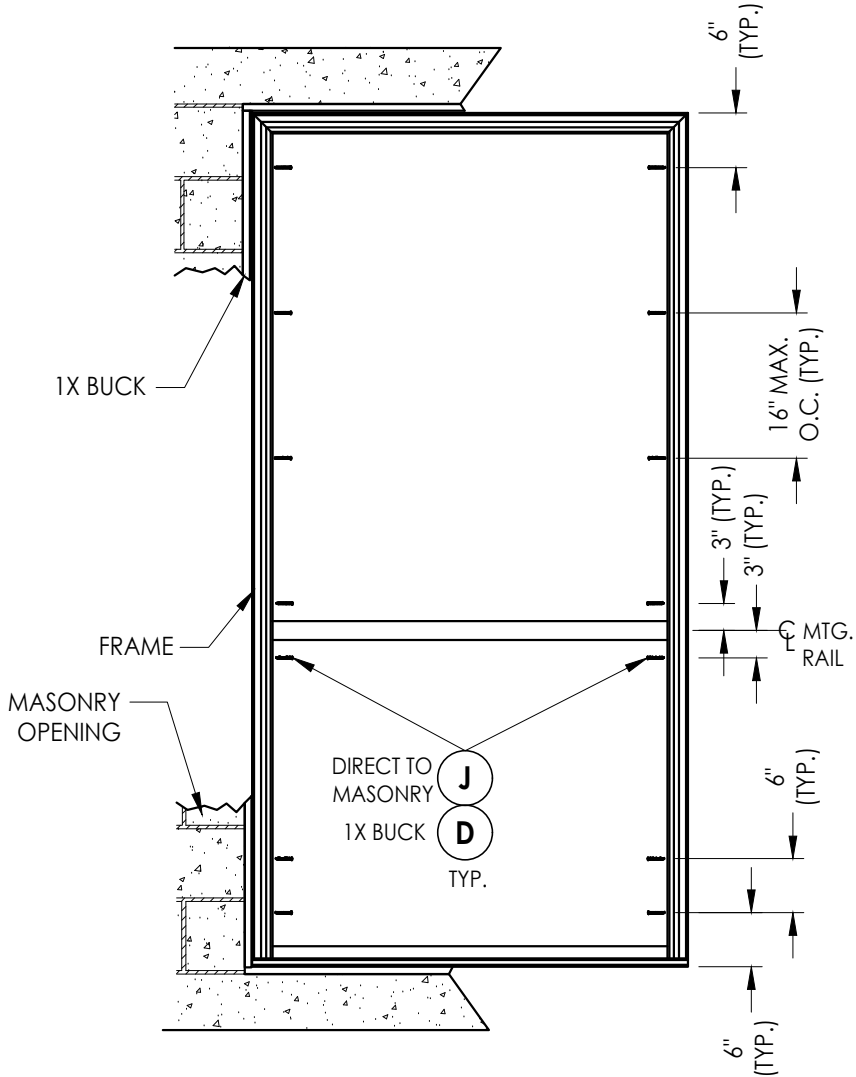
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BUCK ANCHORING



FRAME ANCHORING
2X Buck



FRAME ANCHORING
1X Buck
Direct to masonry

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.

UP TO 96" MAX. FRAME HEIGHT
(UNEQUAL LITES)

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

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PRODUCT:
5400, 5400S SERIES
Vinyl Single Hung Window

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

PART OR ASSEMBLY:
BUCK AND
FRAME ANCHORING

NO.	DATE	REVISIONS
8	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
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DATE: 6/22/14

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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

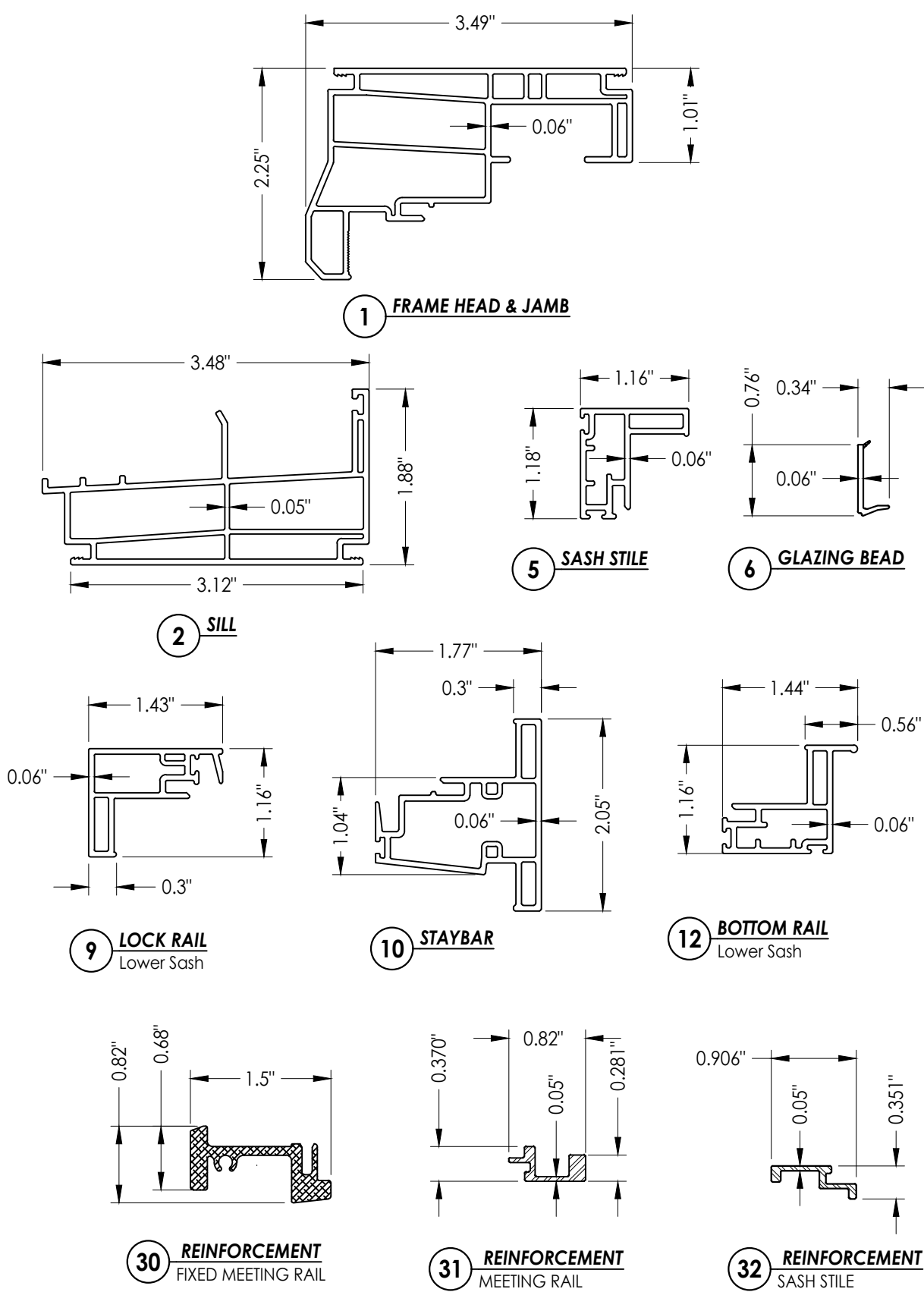
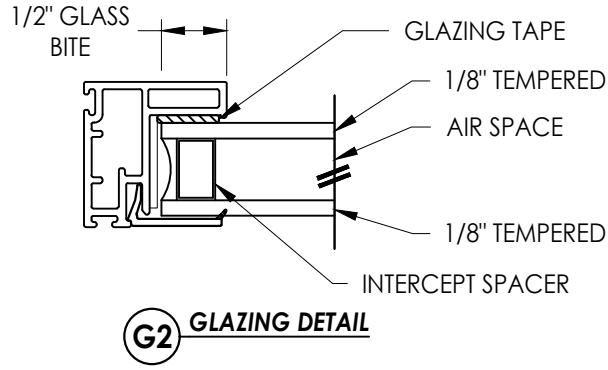
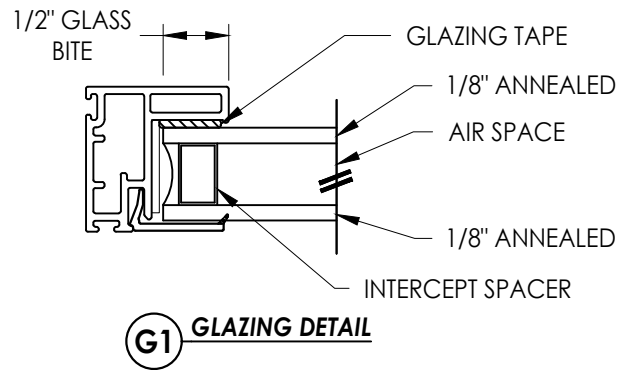
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SHEET 6 OF 7

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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 - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 2" PAN HEAD/TRUSS HEAD WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
J	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	FRAME HEAD AND JAMB*	PVC
2	SILL*	PVC
5	SASH STILE*	PVC
6	GLAZING BEAD*	PVC
9	LOCK RAIL LOWER SASH*	PVC
10	STAYBAR*	PVC
12	BOTTOM RAIL LOWER SASH*	PVC
16	WEATHERSTRIP ULTRA FAB .270 PILE - 270 -1875B	-
17	WEATHERSTRIP SILLBULB (AMESBURY 32690)	-
20	LOCK 8513 / 8845 LAWRENCE	PVC
21	KEEPER 2700 - 214 LAWRENCE	PVC
23	#6 X 3/4" PFH (VINYL LOCK SCREWS)	STEEL
24	SASH TILT LATCH - ASHLAND	PVC
26	#6 X 1/2" PFH (VINYL LOCK SCREWS)	STEEL
30	REINFORCEMENT (FIXED MEETING RAIL) ALUM. 6063-T6	ALUM
31	REINFORCEMENT (MEETING RAIL) ALUM. 6063-T6	ALUM
32	REINFORCEMENT (SASH STILES) ALUM. 6063-T6	ALUM

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



PRODUCT:	5400, 5400S SERIES
	Vinyl Single Hung Window
PART OR ASSEMBLY:	BILL OF MATERIALS
	COMPONENTS & GLAZING DETAILS

NO.	DATE	REVISIONS		
		BY	LFS	FBC
8	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC
7	7/06/23	UPDATE TO 8TH ED.	(2023)	FBC
6	7/02/20	UPDATE TO 7TH ED.	(2020)	FBC

DATE:	6/22/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17088.2
SHEET	7 OF 7

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