

vanguard®

"Vanguard" Series
Single Hung Window
"NON-IMPACT"

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.

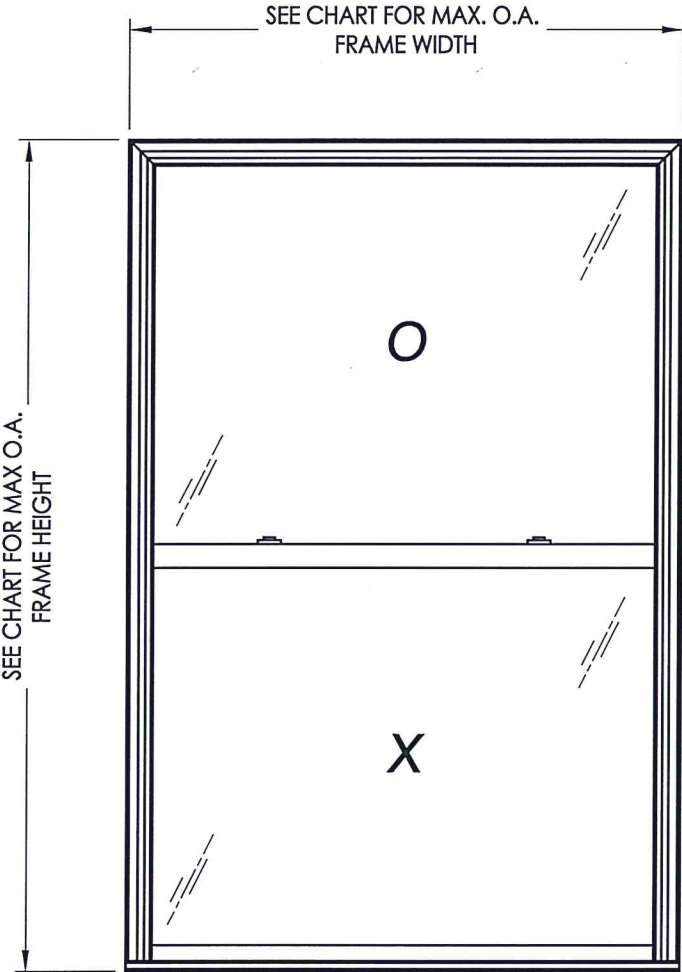
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

When used in areas requiring wind borne debris protection, this product 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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SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Buck & frame anchoring
5	Components
6	Bill of materials & glazing details



MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION (OPERABLE)	MAX DAY LITE DIMENSION (FIXED)	GLASS TYPE	DESIGN PRESSURE (PSF) w/out SILL RISER		DESIGN PRESSURE (PSF) w/ SILL RISER	
				POS.	NEG.	POS.	NEG.
49.0" X 93.0"	43.19" x 43.31"	43.5" x 43.38"	G1	+25.0	-35.0	+25.0	-35.0
44.0" X 100.0"	38.19" x 46.81"	38.5" x 46.88"	G1	+25.0	-35.0	+25.0	-35.0
53.0" X 83.0"	47.19" x 38.31"	47.5" x 38.38"	G1	+25.0	-35.0	+25.0	-35.0
40.0" X 63.0"	34.19" x 28.31"	34.5" x 28.38"	G2	+25.0	-50.0	+45.0	-50.0

SEE SHEETS 2 & 3 FOR REINFORCEMENT REQUIREMENTS

07/23/2020

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07/23/2020

DATE

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PRODUCT:

VANGUARD SERIES

SINGLE HUNG WINDOW

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN

PRESSURES & GENERAL NOTES

DATE:

4/04/20

SCALE:

N.T.S.

DWG. BY:

TRJ

CHK. BY:

LFS

DRAWING NO.:

FL-26906.10

SHEET

1

OF

6

REVISIONS

NO.

DATE

UPDATE TO 7th ED (2020) FBC

DAC

BY

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FBPE Registry License No. 9813

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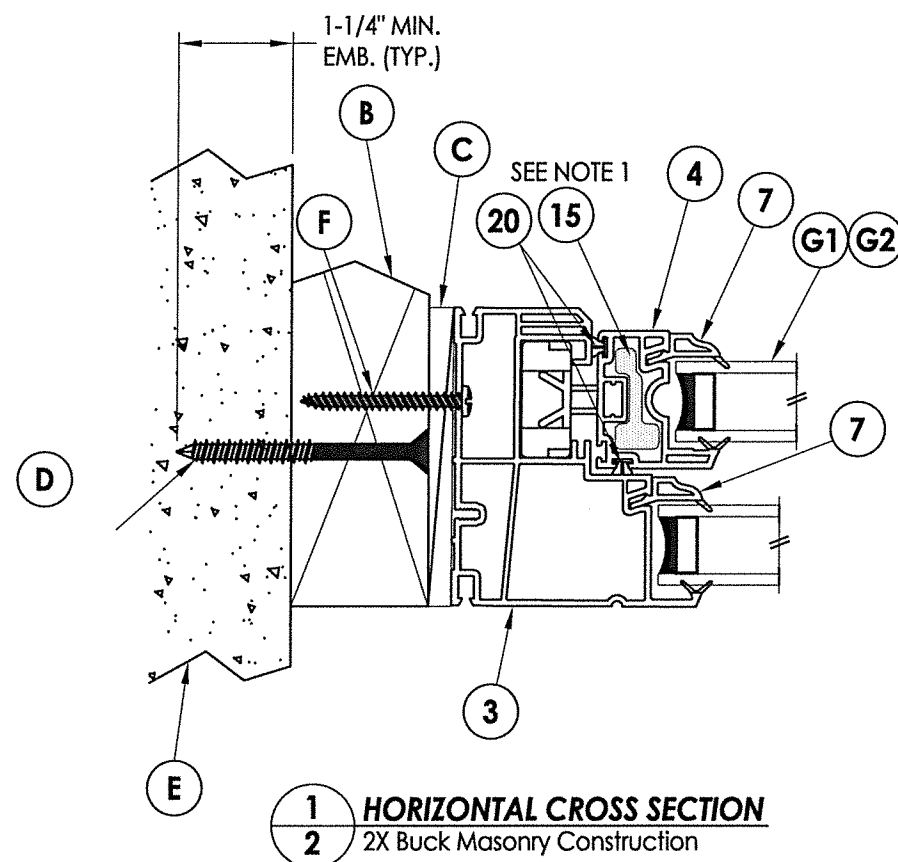
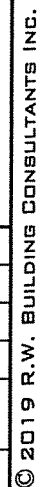
1. SASH STILE REINFORCEMENT REQUIRED IN ALL SIZES EXCEPT 40" X 63" FRAME SIZE.

penetrate a min. of 3 threads through at least 2 sheets of metal.

INTERIOR

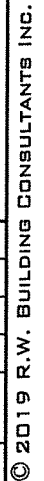
EXTERIOR

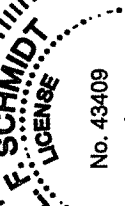
3 HORIZONTAL CROSS SECTION
2 Metal Stud Construction

[illegible]

The diagram illustrates the vertical cross section of a window frame assembly. The top portion shows the exterior and interior views of the frame, with callouts 1 through 15 identifying various components. The bottom portion shows the frame's attachment to a masonry wall, with callouts 16 through 24 identifying the fasteners and structural elements. The masonry wall is labeled '2X Buck Masonry Construction'. The window frame is labeled 'G1' and 'G2'. The interior view is labeled 'INTERIOR' and the exterior view is labeled 'EXTERIOR'. A note indicates 'SHOWN w/ BOTTOM SASH PULL RAIL'. A dimension line indicates a minimum embedment of 1-1/4 inches (typical).

2 **VERTICAL CROSS SECTION**
3 2X Buck Masonry Construction




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PRODUCT: VANGUARD SERIES
SINGLE HUNG WINDOW

PART OR ASSEMBLY:

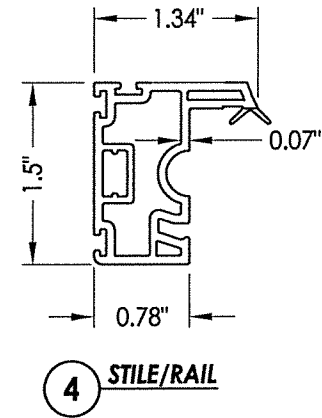
REVISIONS

SHEET 4 OF 6

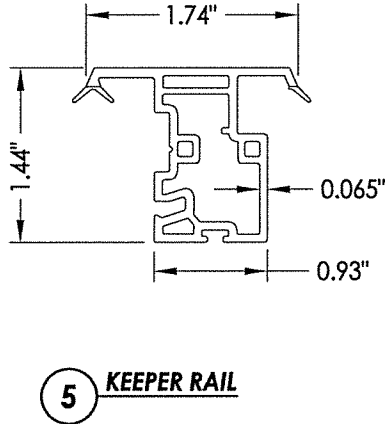
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRA CON®	1/4"	1-1/4"	1"	4"

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

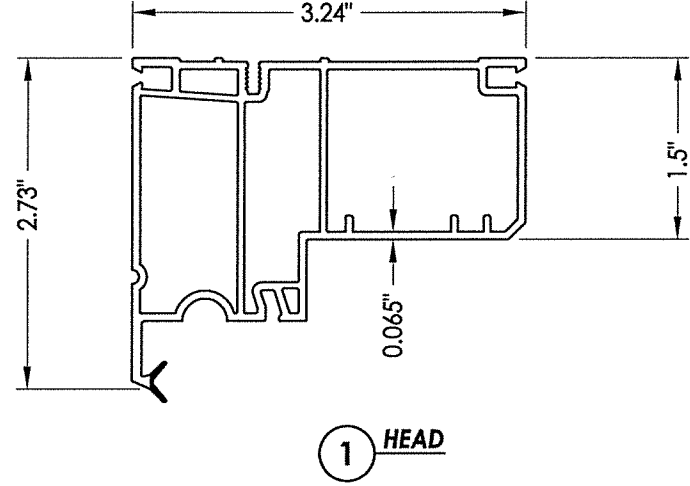
\\dc01\wbc\Clients\Sunrise Windows\A - Florida Product Approvals\FL-26906 - Single Hung Window\Drawings\FL 26906 (2020)\FL-26906.10.dwg



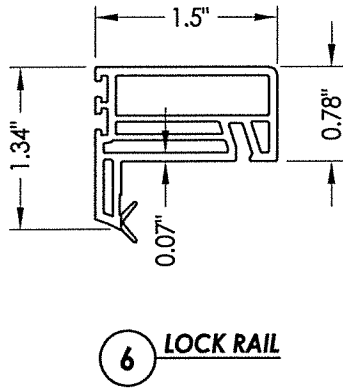
4 **STILE/RAIL**



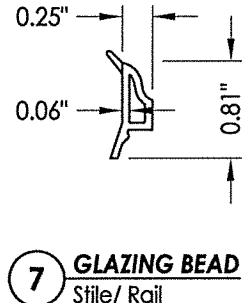
5 **KEEPER RAIL**



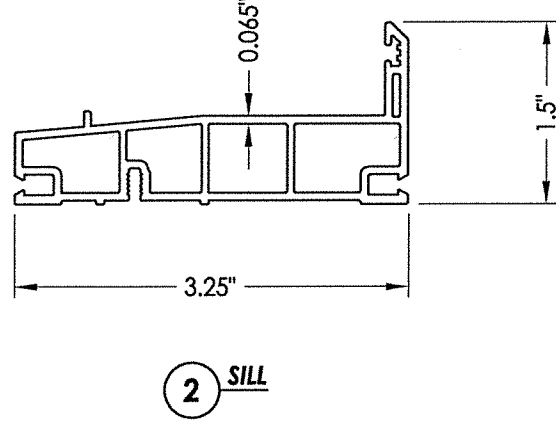
1 **HEAD**



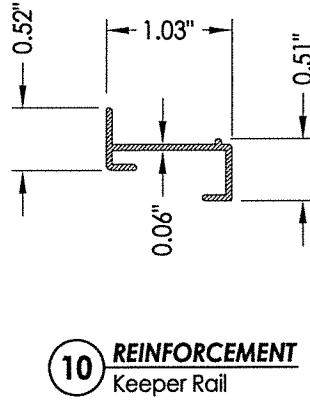
6 **LOCK RAIL**



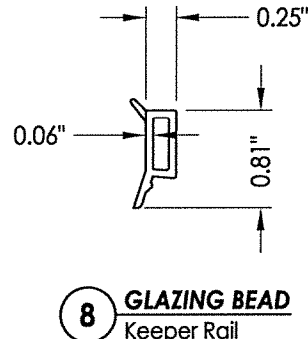
7 **GLAZING BEAD**
Stile/ Rail



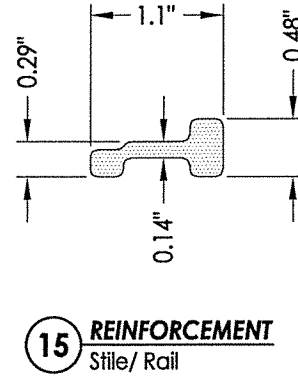
2 **SILL**



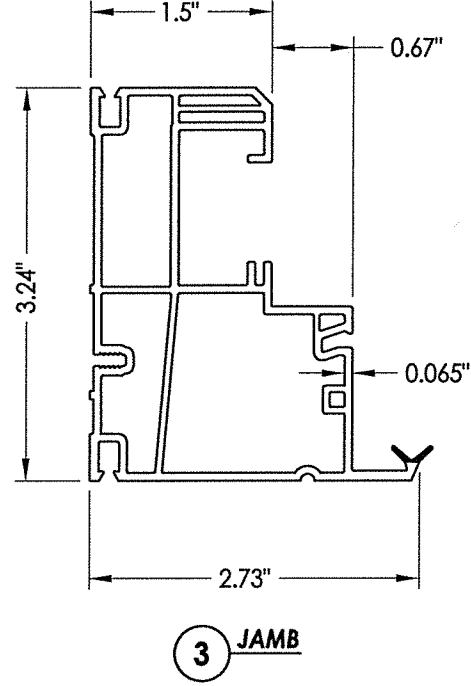
10 **REINFORCEMENT**
Keeper Rail



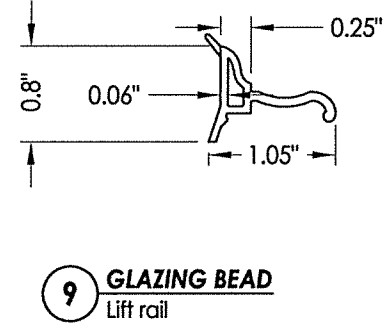
8 **GLAZING BEAD**
Keeper Rail



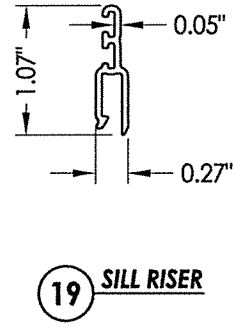
15 **REINFORCEMENT**
Stile/ Rail



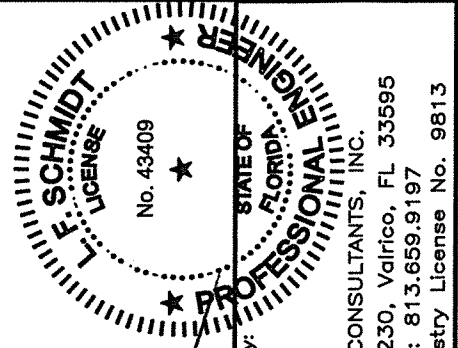
3 **JAMB**



9 **GLAZING BEAD**
Lift rail



19 **SILL RISER**

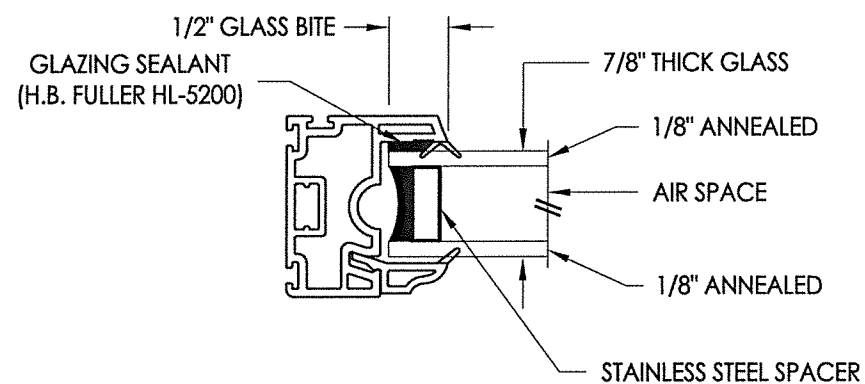


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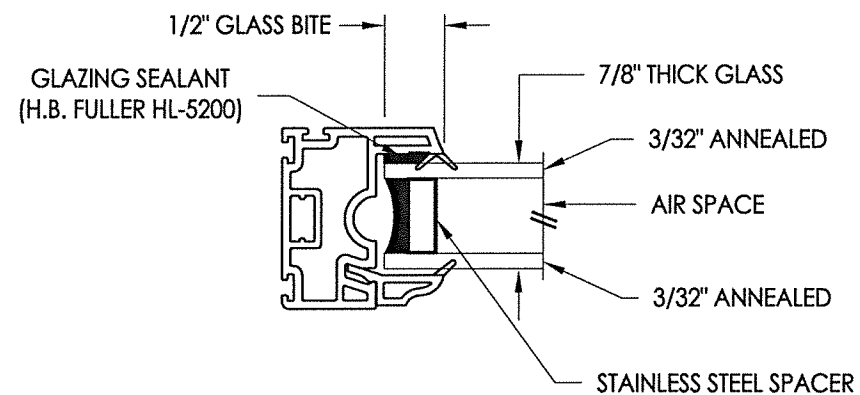
PRODUCT:		VANGUARD SERIES	
		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		COMPONENTS	
NO.	DATE	UPDATE TO	BY
1	7/23/20	7th ED (2020)	FBC
REVISIONS			
DATE: 4/04/20			
SCALE: N.T.S.			
DWG. BY: TRJ			
CHK. BY: LFS			
DRAWING NO.: FL-26906.10			
SHEET 5 OF 6			

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 ELCO 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 1-3/4" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
H	1/4" X 2-3/4" HWH ELCO OR ITW CONCRETE SCREW	STEEL
1	HEAD*	RIGID PVC
2	SILL*	RIGID PVC
3	JAMB*	RIGID PVC
4	STILE/ RAIL*	RIGID PVC
5	KEEPER RAIL*	RIGID PVC
6	LOCK RAIL*	RIGID PVC
7	GLAZING BEAD* (STILE/ RAIL)	RIGID PVC
8	GLAZING BEAD* (KEEPER RAIL)	RIGID PVC
9	GLAZING BEAD* (LIFT RAIL)	RIGID PVC
10	REINFORCEMENT (KEEPER RAIL)	6063-T6 ALUM.
15	REINFORCEMENT (STILE/RAIL)	COMP.
11	SASH LOCK	-
14	#6 X 1" PFH SMS	STEEL
19	SILL RISER*	RIGID PVC
20	WEATHERSTRIP (FIN-PILE)	-
24	BULB GASKET	FOAM
30	WINDOW BALANCE	-

* 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

