

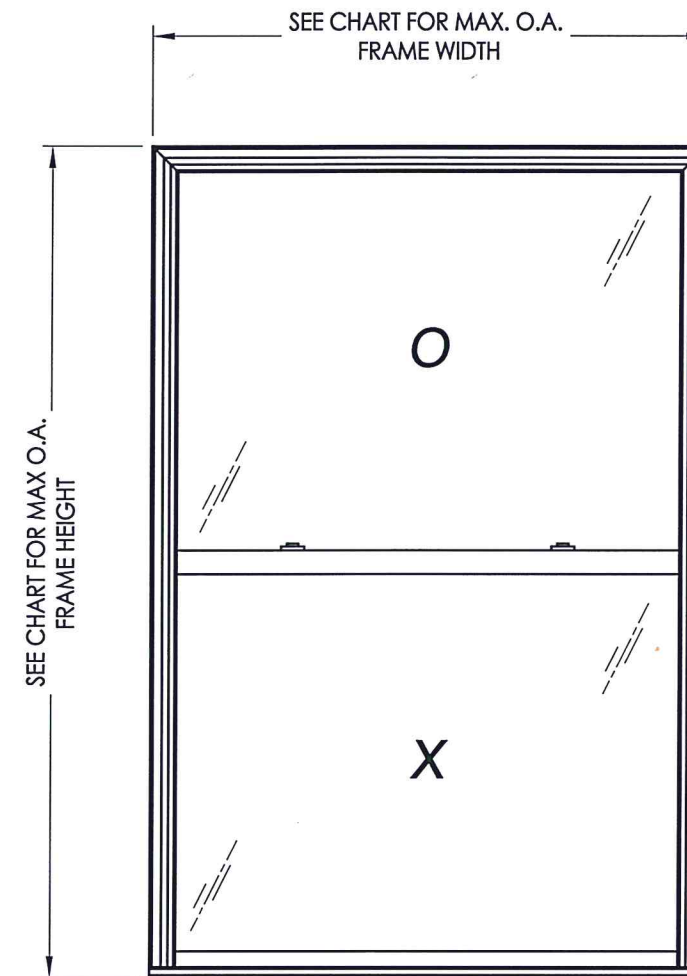
Verde®

**"Verde" 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.

TABLE OF CONTENTS	
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

[illegible]

through at least 2 sheets of metal.

INTERIOR

EXTERIOR

3 HORIZONTAL CROSS SECTION
2 Metal Stud Construction

SEE NOTE 1

15

4

7

30

C

A

E

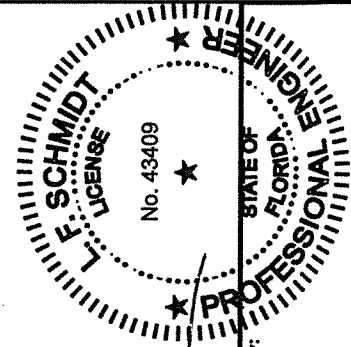
H

3

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

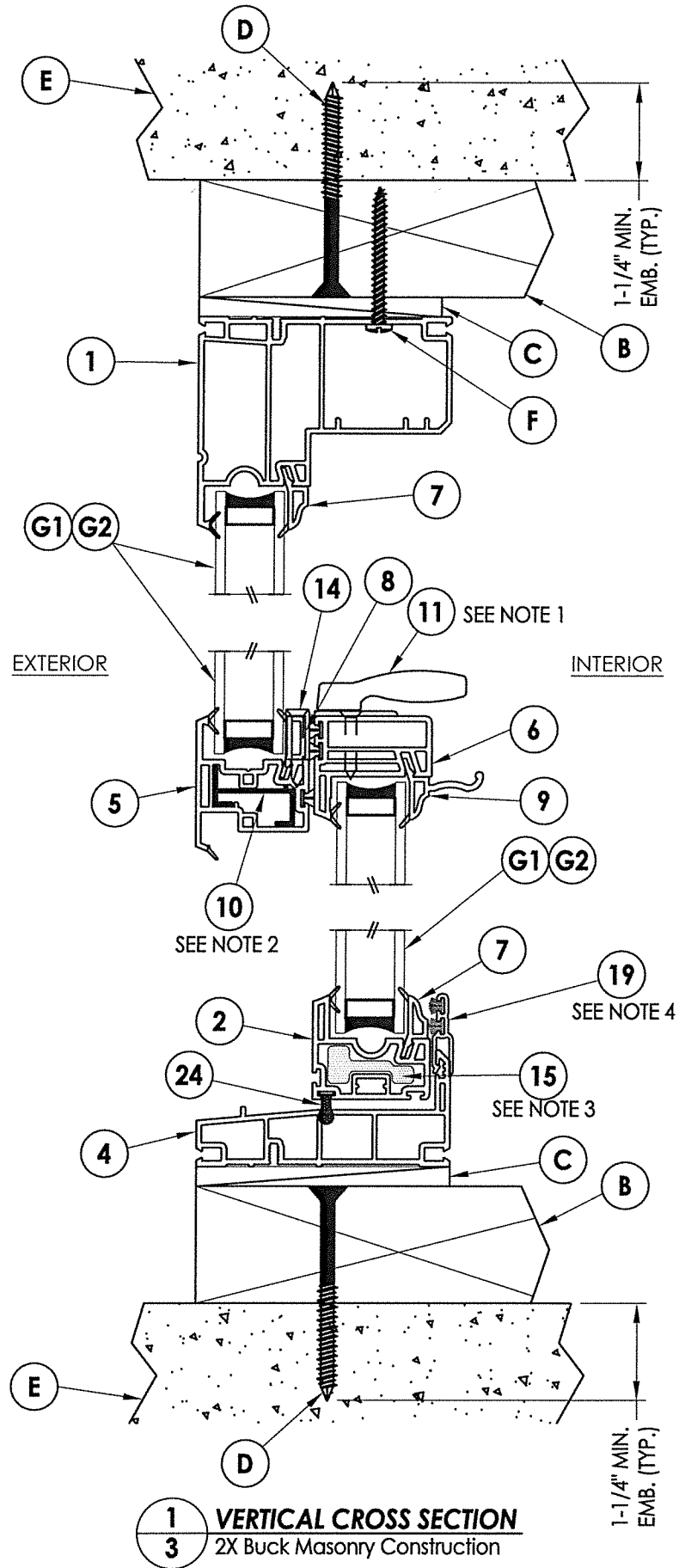
2 **HORIZONTAL CROSS SECTION**

2 1X Buck Masonry Construction



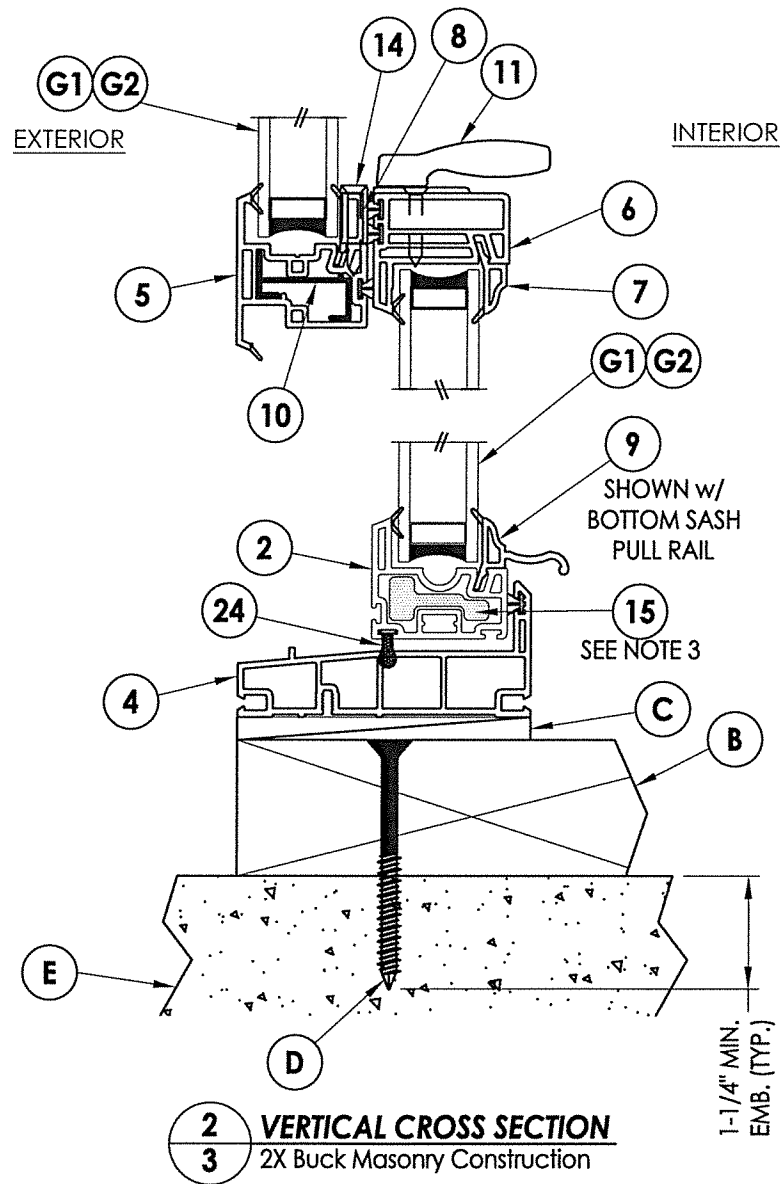
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry License No. 9813

DATE: 4/04/20		REVISIONS NO. DATE		1 7/23/20		UPDATE TO 7th ED (2020) FBC		DAC	
SCALE: N.T.S.								BY	
DWG. BY: TRJ									
CHK. BY: LFS									
DRAWING NO.: FL-26906.9									
SHEET 2 OF 6									
PRODUCT: VERDE SERIES SINGLE HUNG WINDOW				PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS					



NOTES:

1. LOCK & KEEPER LOCATED 11" FROM EACH END OF LOCK/MEETING RAIL.
2. KEEPER RAIL REINFORCEMENT REQUIRED IN ALL SIZES.
3. BOTTOM RAIL REINFORCEMENT REQUIRED IN ALL SIZES EXCEPT 40" X 63" FRAME SIZE.
4. SILL RISER REQUIRED FOR ALL POSITIVE DESIGN PRESSURES > 25 PSF.



		07/23/2020	
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 License No. 9813	
PRODUCT: VERDE SERIES SINGLE HUNG WINDOW		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
		REVISIONS	
		DATE: 4/04/20	
		SCALE: N.T.S.	
		DWG. BY: TRJ	
		CHK. BY: LFS	
		DRAWING NO.: FL-26906.9	
		SHEET 3 OF 6	

07/23/2020
 State of Florida
 Professional Engineer
 License
 No. 43409
 F. Schmidt

01/23/2020
Documents Prepared By:
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BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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PRODUCT: VERDE SERIES
SINGLE HUNG WINDOW

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

REVISIONS

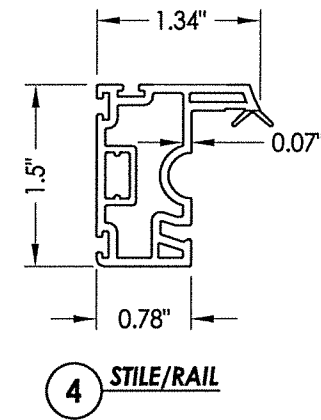
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1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

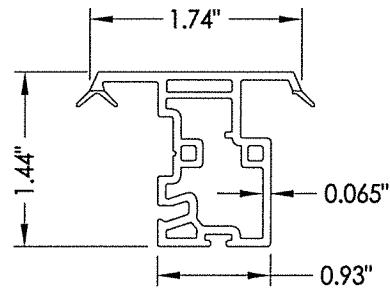
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRA CON®	1/4"	1-1/4"	1"	4"

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

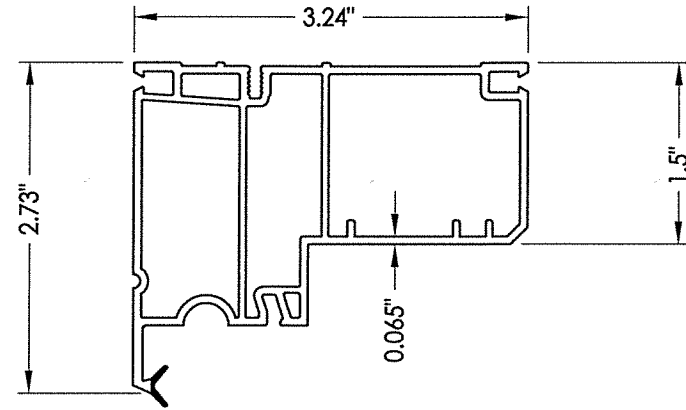
SHEET 4 OF 6



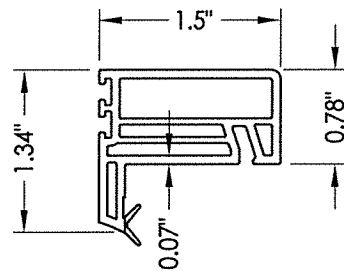
4 STILE/RAIL



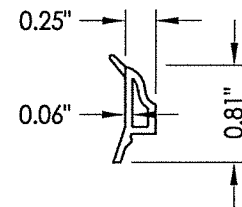
5 KEEPER RAIL



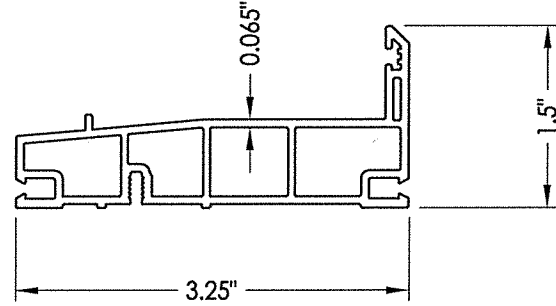
1 HEAD



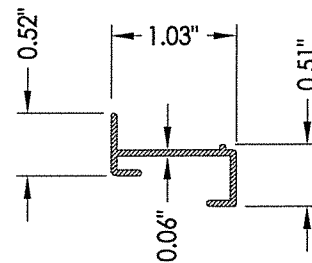
6 LOCK RAIL



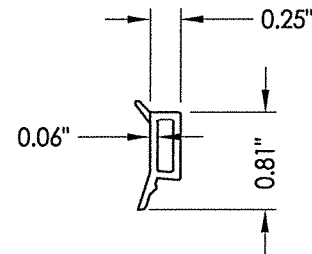
7 GLAZING BEAD
Stile/ Rail



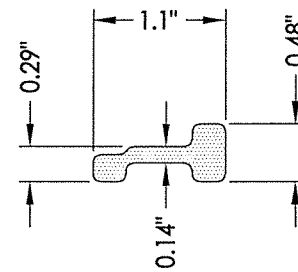
② SILL



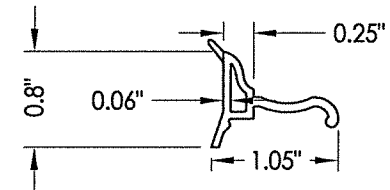
10 REINFORCEMENT



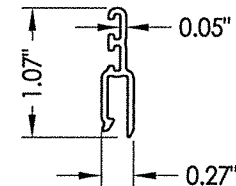
8 GLAZING BEAD



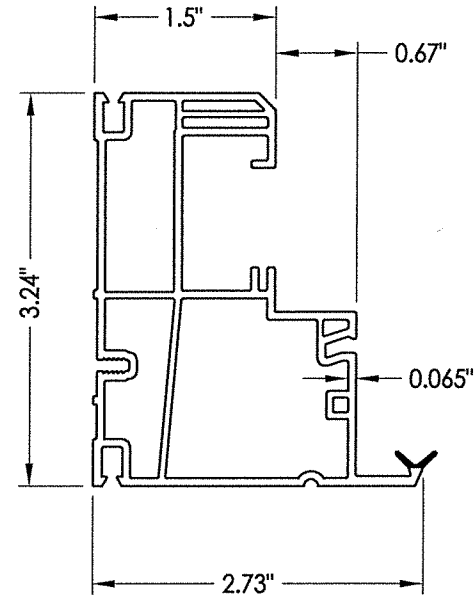
15 **REINFORCEMENT**
Stile/ Rail



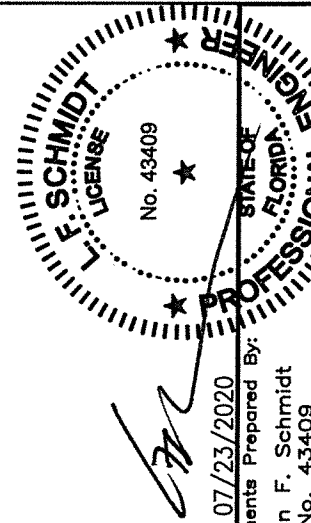
9 GLAZING BEAD
Lift rail



19 SILL RISER



3 JAMB



07/23/2020

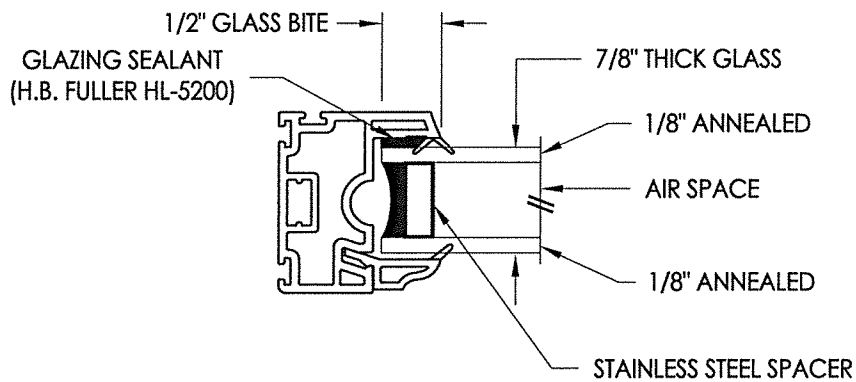
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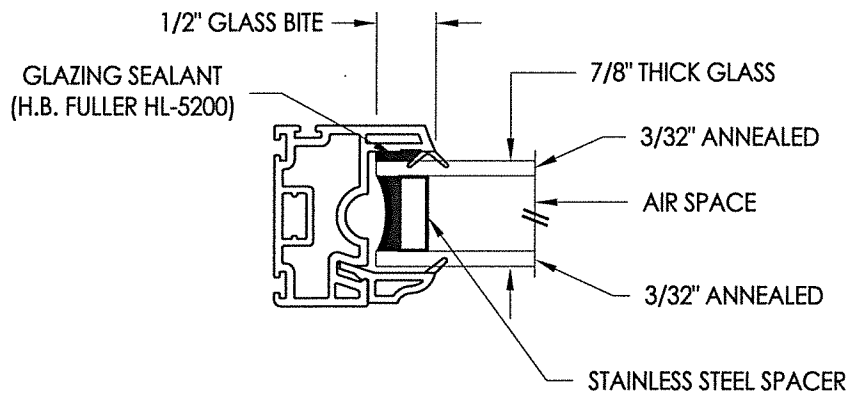
DATE: 4/04/20		PRODUCT: VERDE SERIES SINGLE HUNG WINDOW	
SCALE: N.T.S.			
DWG. BY: TRJ			
CHK. BY: LFS			
DRAWING NO.: FL-26906.9		PART OR ASSEMBLY: COMPONENTS	
SHEET 5 OF 6			

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

