COASTAL PERFORMANCE™
by Sunrise Windows, LTD.

Coastal Performance Double 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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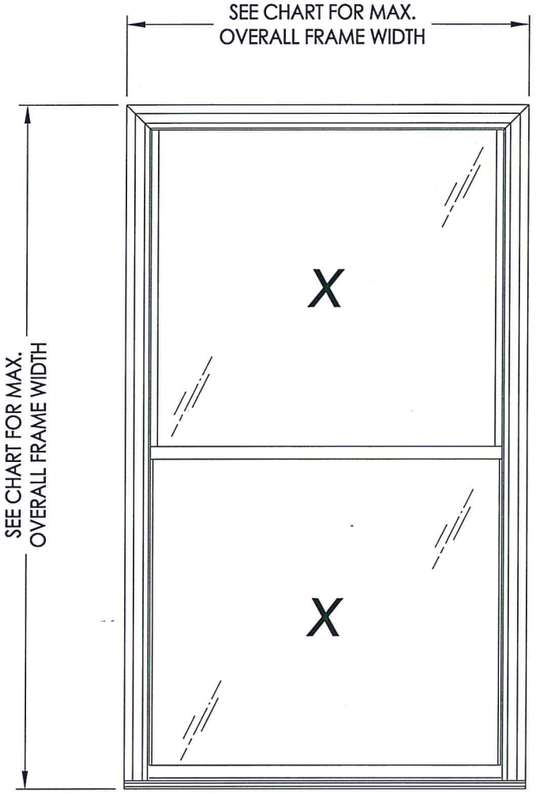
SHEET #	**DESCRIPTION**
1	Typical elevations, design pressures & general notes
2	Vertical & horizontal cross sections
3	Buck & frame anchoring
4	Components
5	Bill of materials & glazing details



MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POS.	NEG.
54.0" X 77.0"	47.5" x 35"	G1	+50.0	-50.0
40.0" X 72.0"	33.5" x 32.63"	G1	+55.0	-75.0
40.0" X 63.0"	33.5" x 28.63"	G1	+55.0	-85.0

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

July 28, 2020

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

PRODUCT: *DOUBLE HUNG WINDOW*

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

NO.	DATE	REVISIONS	BY
1	7/27/20	UPDATE TO 7TH ED (2020) FBC	LFS

DATE: 9/5/19
SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.: FL-26910.12
SHEET 1 OF 5

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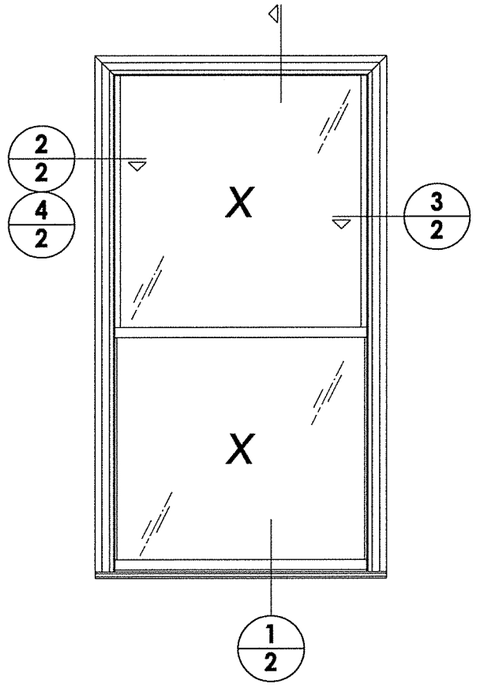
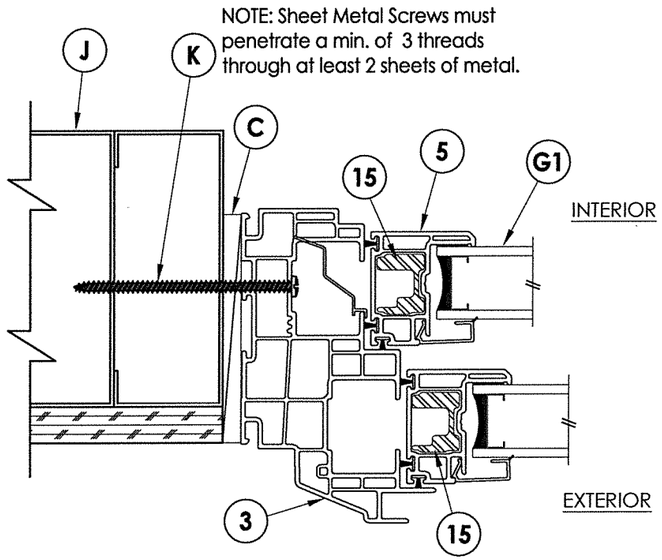
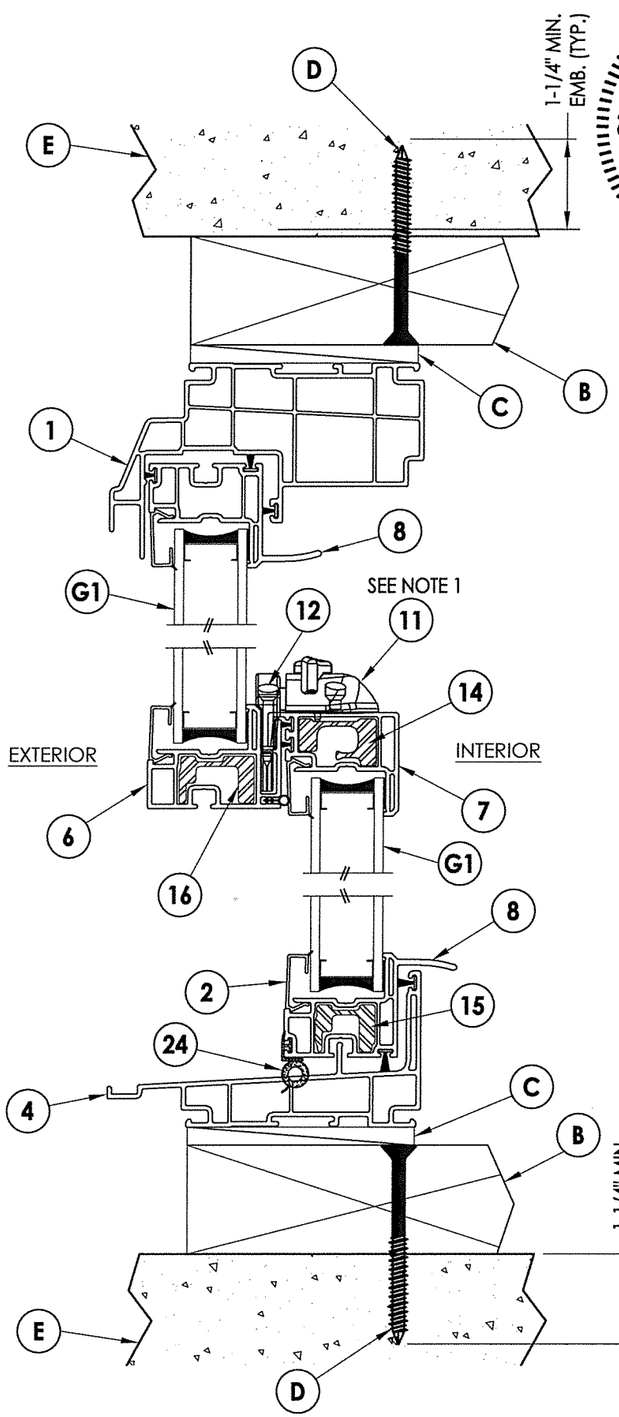


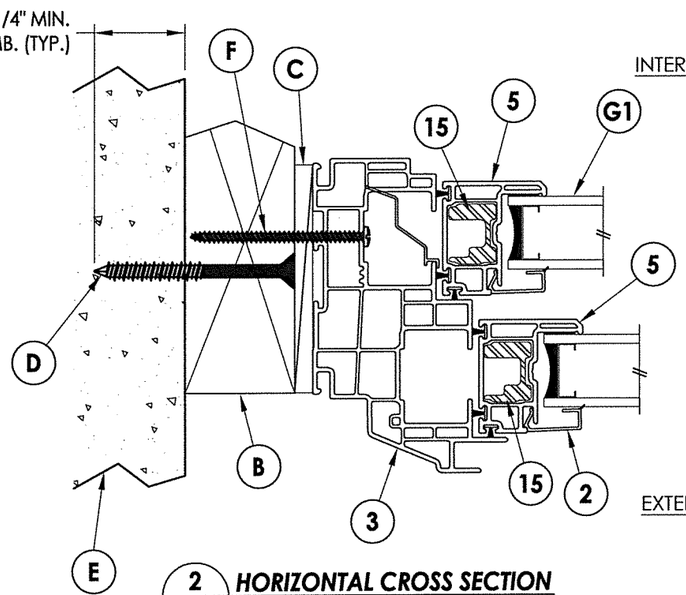


4/2 HORIZONTAL CROSS SECTION
Metal Stud Construction

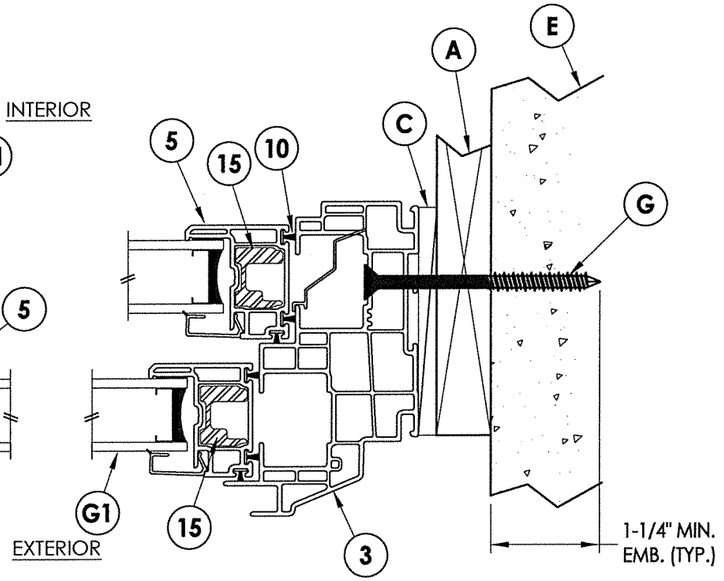


1/2 VERTICAL CROSS SECTION
2X Buck Masonry Construction

NOTE:
1. LOCK & KEEPER LOCATED 7" FROM EACH END OF LOCK/MEETING RAIL.



2/2 HORIZONTAL CROSS SECTION
2X Buck Masonry Construction



3/2 HORIZONTAL CROSS SECTION
1X Buck Masonry Construction

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PRODUCT: *DOUBLE HUNG WINDOW*

PART OR ASSEMBLY: *VERTICAL & HORIZONTAL CROSS SECTIONS*

NO.	DATE	REVISIONS	BY
1	7/27/20	UPDATE TO 7TH ED (2020) FBC	LFS

DATE: 9/5/19
SCALE: N.T.S.
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DRAWING NO.: FL-26910.12
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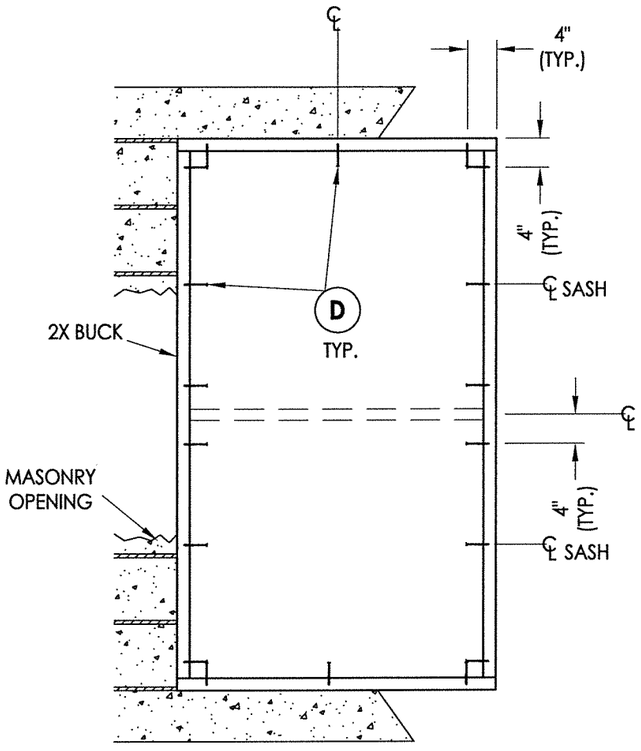
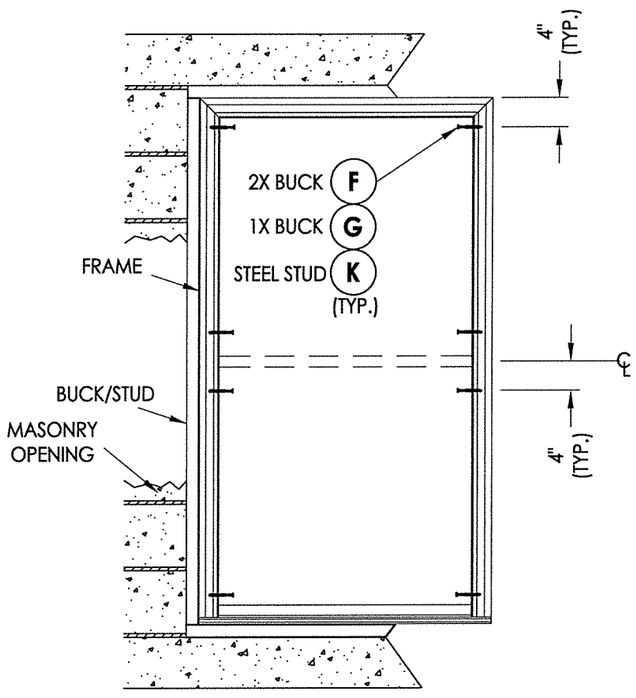
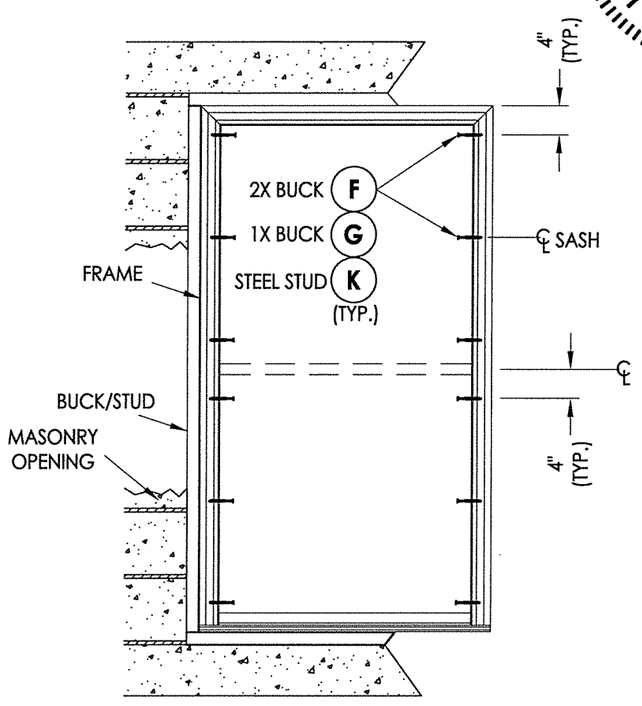


BUCK ANCHORING



FRAME ANCHORING
MAX D.P. = 55 PSF



FRAME ANCHORING
MAX D.P. = 85 PSF

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"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

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.*

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PRODUCT: *DOUBLE HUNG WINDOW*

PART OR ASSEMBLY: *BUCK & FRAME ANCHORING*

REVISIONS

NO.	DATE	BY
1	7/27/20	LFS
	UPDATE TO 7TH ED (2020) FBC	

DATE: 9/5/19
SCALE: N.T.S.
DWG. BY: TRJ
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DRAWING NO.: FL-26910.12
SHEET 3 OF 5

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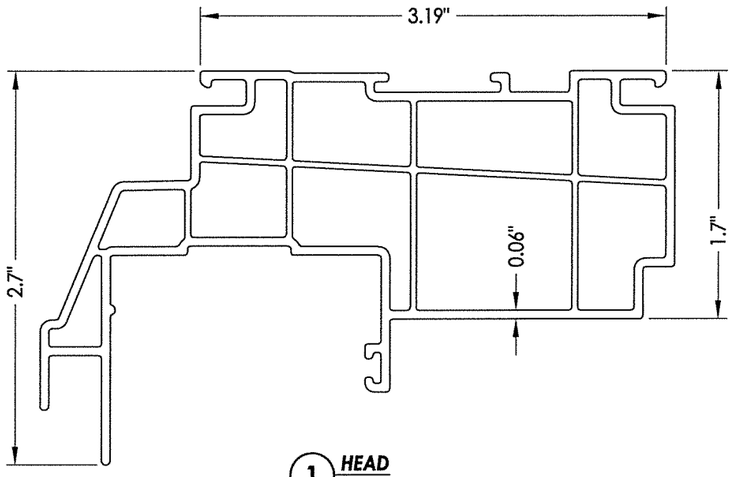
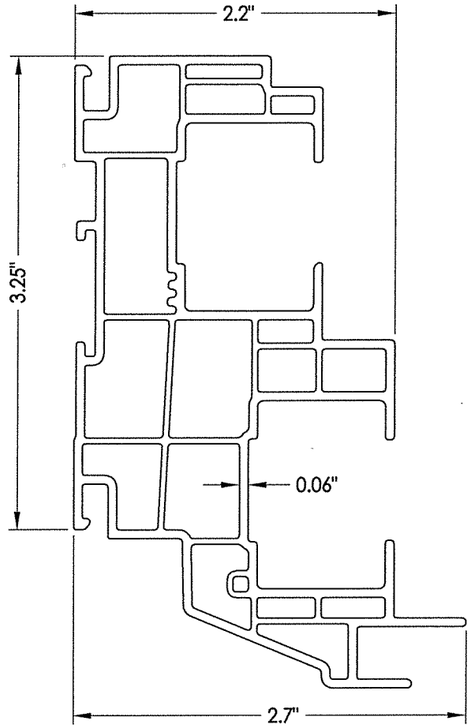
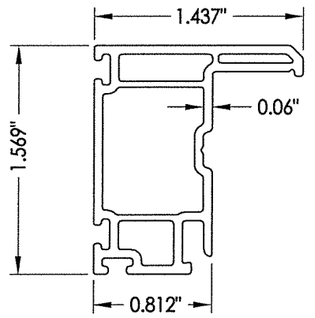


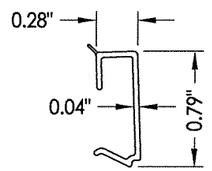
1 HEAD



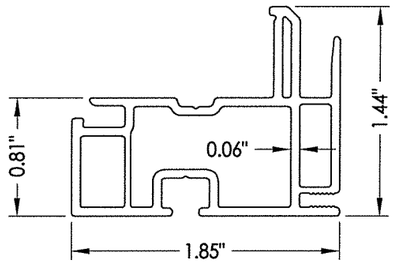
3 JAMB



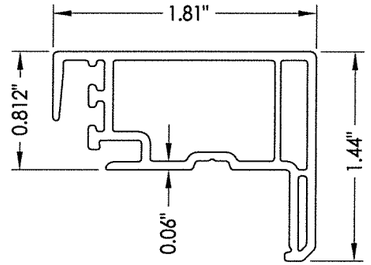
5 STILE



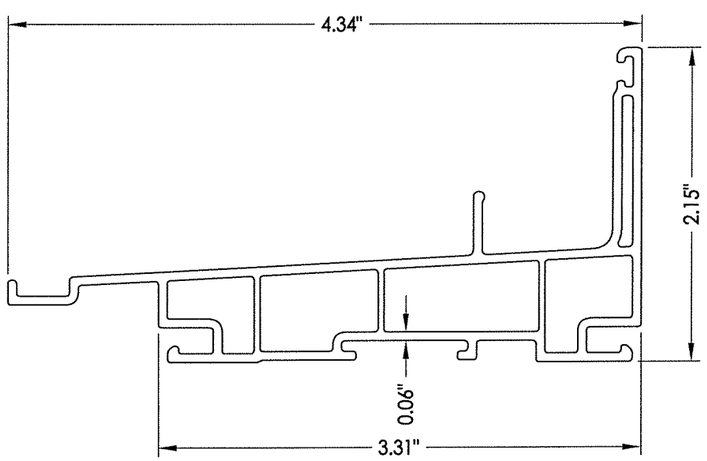
2 GLAZING BEAD



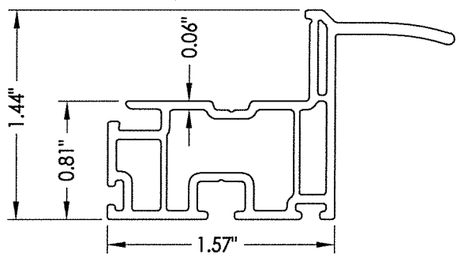
6 KEEPER RAIL



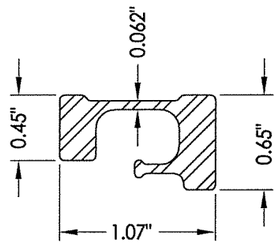
7 LOCK RAIL



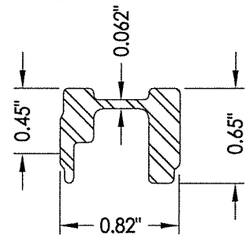
4 SILL



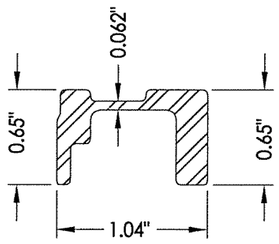
8 HANDLE RAIL



14 LOCK RAIL REINFORCEMENT



15 STILE/RAIL REINFORCEMENT



16 KEEPER RAIL REINFORCEMENT

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PRODUCT: DOUBLE HUNG WINDOW

PART OR ASSEMBLY: COMPONENTS

NO.	DATE	REVISIONS	BY
1	7/27/20	UPDATE TO 7TH ED (2020) FBC	LFS

DATE: 9/5/19
SCALE: N.T.S.
DWG. BY: TRJ
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DRAWING NO.: FL-26910.12
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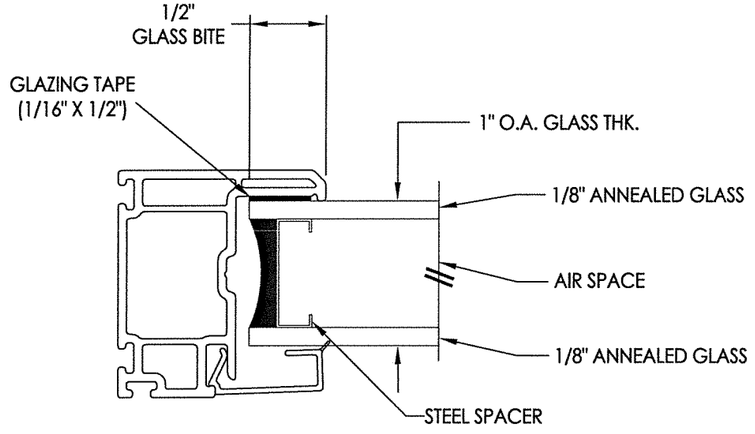
BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL
A	2X STUD (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	3/8" 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	#8 X 2-1/2" PPH SMS (1-7/16" MIN. EMBEDMENT)	STEEL
G	1/4" X 3-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
H	1/4" X 3-3/4" PFH ELCO OR ITW CONCRETE SCREW	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	HEAD (1801)*	RIGID PVC
2	GLAZING BEAD (836B)*	RIGID PVC
3	JAMB (1803)*	RIGID PVC
4	SILL (1802)*	RIGID PVC
5	STILE (1808)*	RIGID PVC
6	KEEPER RAIL (1817)*	RIGID PVC
7	LOCK RAIL (1806)*	RIGID PVC
8	HANDLE RAIL (1805)*	RIGID PVC
10	WEATHERSTRIP - FIN PILE	-
11	SASH LOCK	COMPOSITE
12	KEEPER	-
14	LOCK RAIL REINFORCEMENT (16582)	ALUM
15	STILE/RAIL REINFORCEMENT (16579)	ALUM
16	KEEPER RAIL REINFORCEMENT (16581)	ALUM
24	BULB GASKET	FOAM

* 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**

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PRODUCT: *DOUBLE HUNG WINDOW*

PART OR ASSEMBLY: *BILL OF MATERIALS & GLAZING DETAILS*

NO.	DATE	REVISIONS	BY
1	7/27/20	UPDATE TO 7TH ED (2020) FBC	LFS

DATE: 9/5/19
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SHEET 5 OF 5

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