

DoersWindow
MANUFACTURING

Series 9000 Model 9550-3
SLIDER XOx

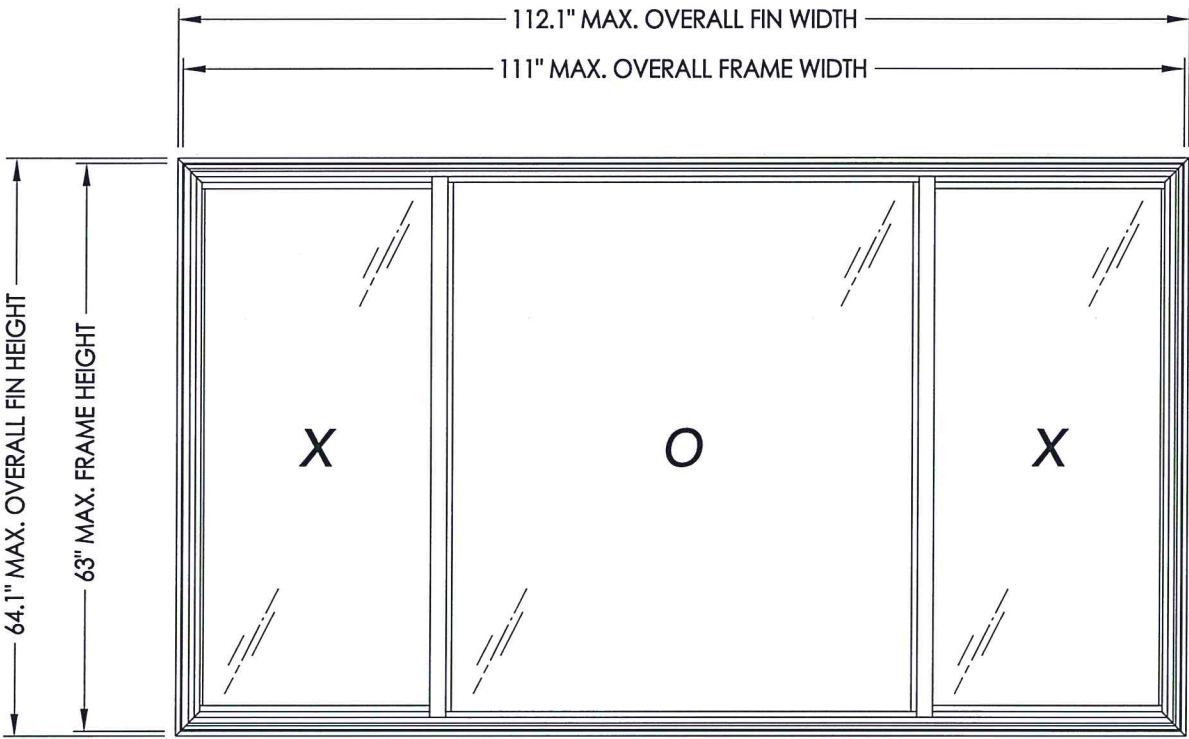
IMPACT RATED
w/ Flange

GENERAL NOTES

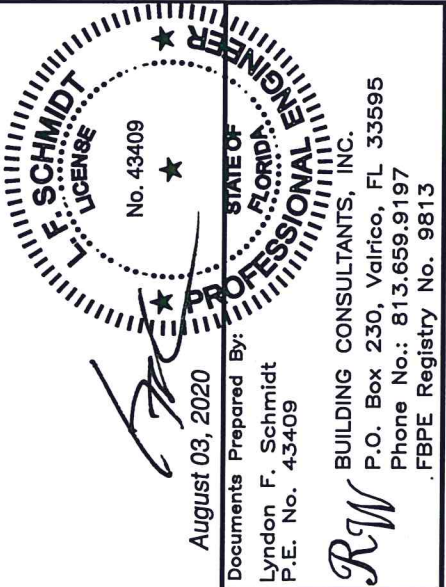
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck & frame anchoring
5	Components
6	Bill of materials and glazing details

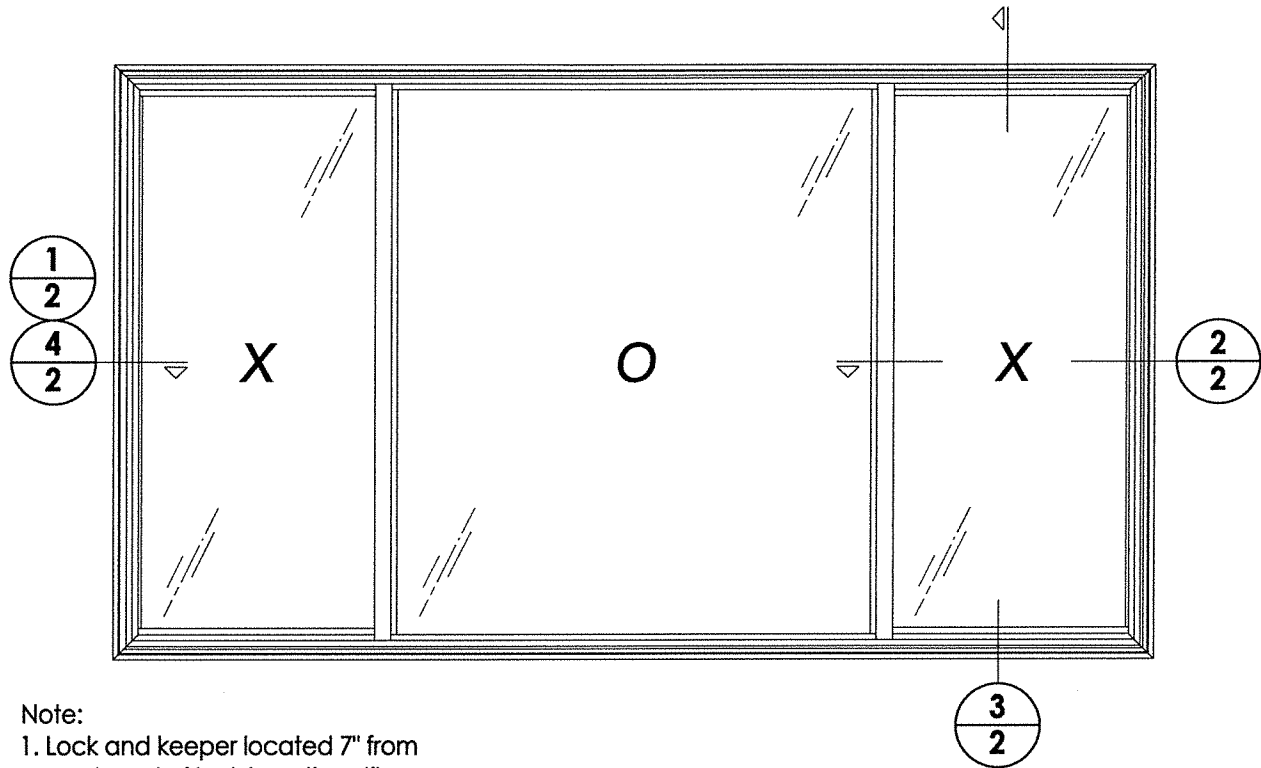


MAX. OVERALL FLANGE DIMENSION	MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION (OPERABLE)	MAX DAY LITE DIMENSION (FIXED)	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POS.	NEG.
112.1" X 64.1"	111.0" X 63.0"	25.0" X 57.25"	51.0" X 58.5"	G1 (Fixed) G2 (Operable)	+50.0	-55.0



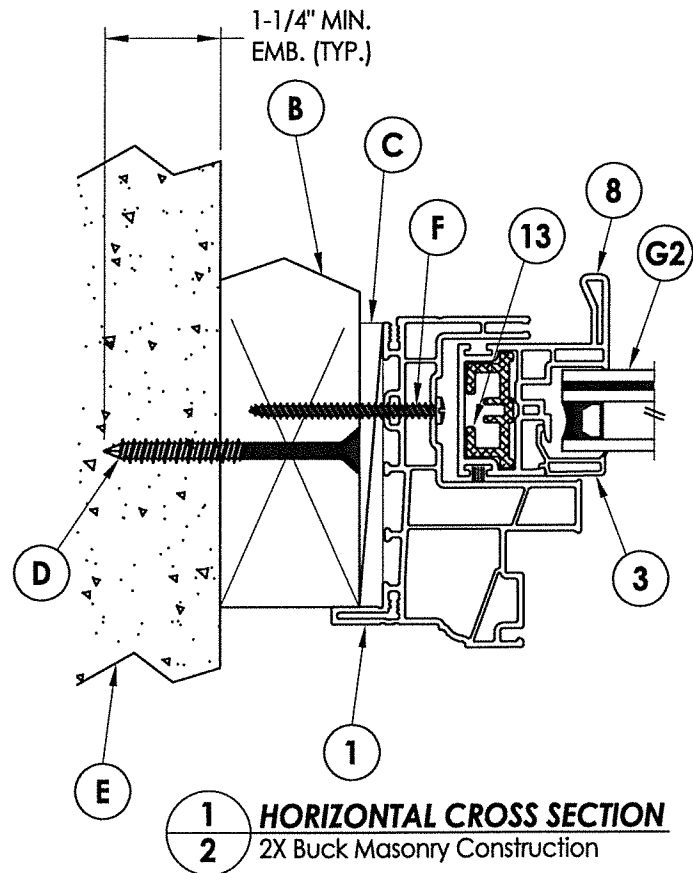
PRODUCT: Doers		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
5	7/30/20	UPDATE TO 7TH ED. (2020) FBC	DAC
4	9/22/17	UPDATE TO 6TH ED. (2017) FBC	JK
3	9/26/16	ADDED ALT. ANCHOR LOCATION	LFS
2	12/17/15	REVISE MODEL NAME	JK
1	6/25/15	UPDATE TO 5TH ED. (2014) FBC	LFS
NO.	DATE		BY
REVISIONS			
DATE: 9/24/14			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16853.10			
SHEET 1 OF 6			

\\dc01\rb\c\clients\Doers PERMANENTVA - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.10.dwg



Note:

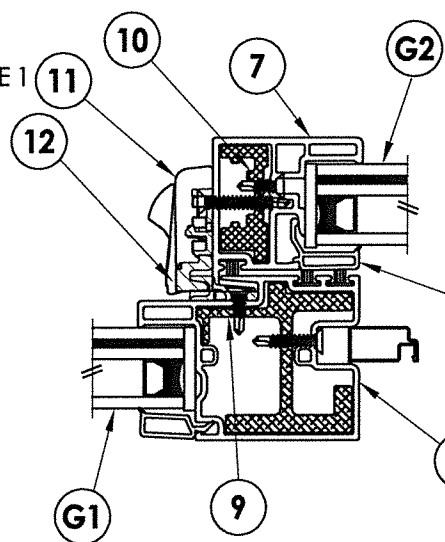
1. Lock and keeper located 7" from each end of lock/meeting stile.
2. Metal roller assembly located 2" from each end of the bottom rail.
3. Anti-lift secured to head with (6) #6 x 1/2" PPH SMS.



INTERIOR

EXTERIOR

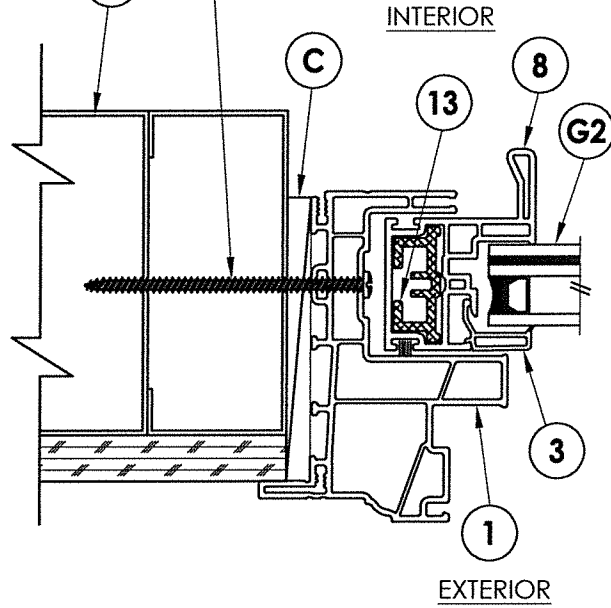
SEE NOTE 1



INTERIOR

EXTERIOR

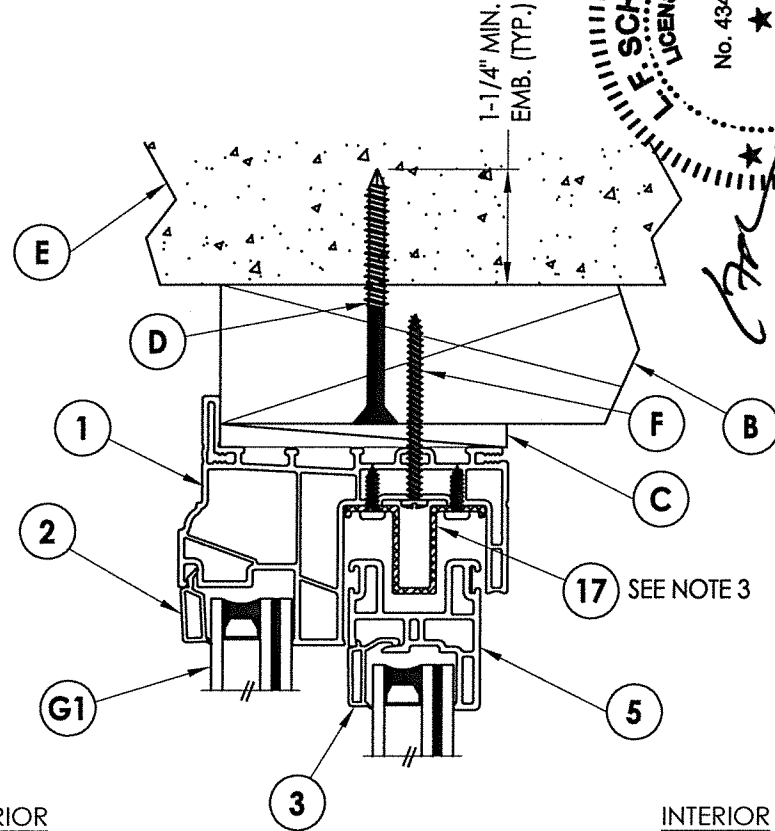
NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least 2 sheets of metal (maintain a min. 3/8" edge distance).



INTERIOR

EXTERIOR

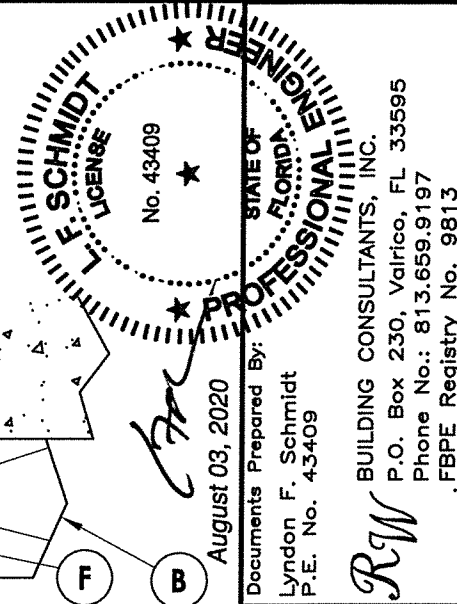
4
2 HORIZONTAL CROSS SECTION
Metal Stud Construction



EXTERIOR

INTERIOR

3
2 VERTICAL CROSS SECTION
2X Buck Masonry Construction



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 No. 9813

PRODUCT:

Doers

PART OR ASSEMBLY:

VERTICAL & HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/30/20	UPDATE TO 7TH ED. (2020) FBC
4	9/22/17	UPDATE TO 6TH ED. (2017) FBC
3	9/26/16	ADDED ALT. ANCHOR LOCATION
2	12/17/15	REVISE MODEL NAME
1	6/25/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 9/24/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-16853.10

SHEET 2 OF 6

© 2014 R.W. BUILDING CONSULTANTS INC.

1. Lock and keeper located 7" from each end of lock/meeting stile.
2. Metal roller assembly located 2" from each end of the bottom rail.
3. Anti-lift secured to head with (6) #6 x 1/2" PPH SMS.

Diagram illustrating the cross-section of a window frame assembly, showing the interior and exterior views. The diagram includes callouts for various components:

- 7: Top frame
- 9: Bottom frame
- 10: Top sash
- 11: Top sash seal
- 12: Top sash track
- G1: Bottom sash
- G2: Bottom sash seal

SEE NOTE 1

Diagram illustrating the cross-section of a window frame assembly, showing the interior and exterior views. The diagram includes callouts for various components:

- 7: Top frame
- 9: Bottom frame
- 10: Top sash
- 11: Top sash seal
- 12: Top sash track
- G1: Bottom sash
- G2: Bottom sash seal

Diagram illustrating the cross-section of a window frame assembly, showing the interior and exterior views. The diagram includes callouts for various components:

- 7: Top frame
- 9: Bottom frame
- 10: Top sash
- 11: Top sash seal
- 12: Top sash track
- G1: Bottom sash
- G2: Bottom sash seal

2 HORIZONTAL CROSS SECTION
3 1X Buck Masonry Construction

min. of 3 threads through at least metal (maintain a min. 3/8" edge

INTERIOR

EXTERIOR

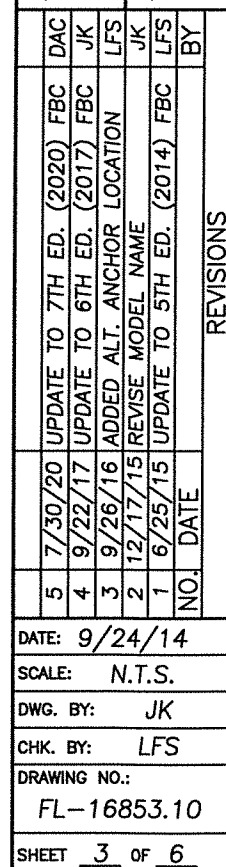
4 **HORIZONTAL CROSS SECTION**
3 Metal Stud Construction

EXTERIOR

The diagram illustrates the vertical cross section of a window unit, showing both exterior and interior views. The exterior view (top) shows the window frame (1) and the exterior wall (E). The interior view (bottom) shows the window frame (1) and the interior wall (E). The window unit is shown in a closed position. The diagram includes callouts for various components: 1 (Window Frame), 2 (Weatherstripping), 3 (Sash), 4 (Sash Seal), 5 (Sash Seal), 6 (Sash Seal), 7 (Sash Seal), 8 (Sash Seal), 9 (Sash Seal), 10 (Sash Seal), 11 (Sash Seal), 12 (Sash Seal), 13 (Sash Seal), 14 (Sash Seal), 15 (Sash Seal), 16 (Sash Seal), 17 (Sash Seal), 18 (Sash Seal), 19 (Sash Seal), 20 (Sash Seal), 21 (Sash Seal), 22 (Sash Seal), 23 (Sash Seal), 24 (Sash Seal), 25 (Sash Seal), 26 (Sash Seal), 27 (Sash Seal), 28 (Sash Seal), 29 (Sash Seal), 30 (Sash Seal), 31 (Sash Seal), 32 (Sash Seal), 33 (Sash Seal), 34 (Sash Seal), 35 (Sash Seal), 36 (Sash Seal), 37 (Sash Seal), 38 (Sash Seal), 39 (Sash Seal), 40 (Sash Seal), 41 (Sash Seal), 42 (Sash Seal), 43 (Sash Seal), 44 (Sash Seal), 45 (Sash Seal), 46 (Sash Seal), 47 (Sash Seal), 48 (Sash Seal), 49 (Sash Seal), 50 (Sash Seal), 51 (Sash Seal), 52 (Sash Seal), 53 (Sash Seal), 54 (Sash Seal), 55 (Sash Seal), 56 (Sash Seal), 57 (Sash Seal), 58 (Sash Seal), 59 (Sash Seal), 60 (Sash Seal), 61 (Sash Seal), 62 (Sash Seal), 63 (Sash Seal), 64 (Sash Seal), 65 (Sash Seal), 66 (Sash Seal), 67 (Sash Seal), 68 (Sash Seal), 69 (Sash Seal), 70 (Sash Seal), 71 (Sash Seal), 72 (Sash Seal), 73 (Sash Seal), 74 (Sash Seal), 75 (Sash Seal), 76 (Sash Seal), 77 (Sash Seal), 78 (Sash Seal), 79 (Sash Seal), 80 (Sash Seal), 81 (Sash Seal), 82 (Sash Seal), 83 (Sash Seal), 84 (Sash Seal), 85 (Sash Seal), 86 (Sash Seal), 87 (Sash Seal), 88 (Sash Seal), 89 (Sash Seal), 90 (Sash Seal), 91 (Sash Seal), 92 (Sash Seal), 93 (Sash Seal), 94 (Sash Seal), 95 (Sash Seal), 96 (Sash Seal), 97 (Sash Seal), 98 (Sash Seal), 99 (Sash Seal), 100 (Sash Seal). The diagram also includes dimensions: 1-1/4" MIN. EMB. (TYP.) for the exterior wall and 1-1/4" MIN. EMB. (TYP.) for the interior wall. A circular stamp in the top right corner reads "L. SCH. LICEN. No. 43".

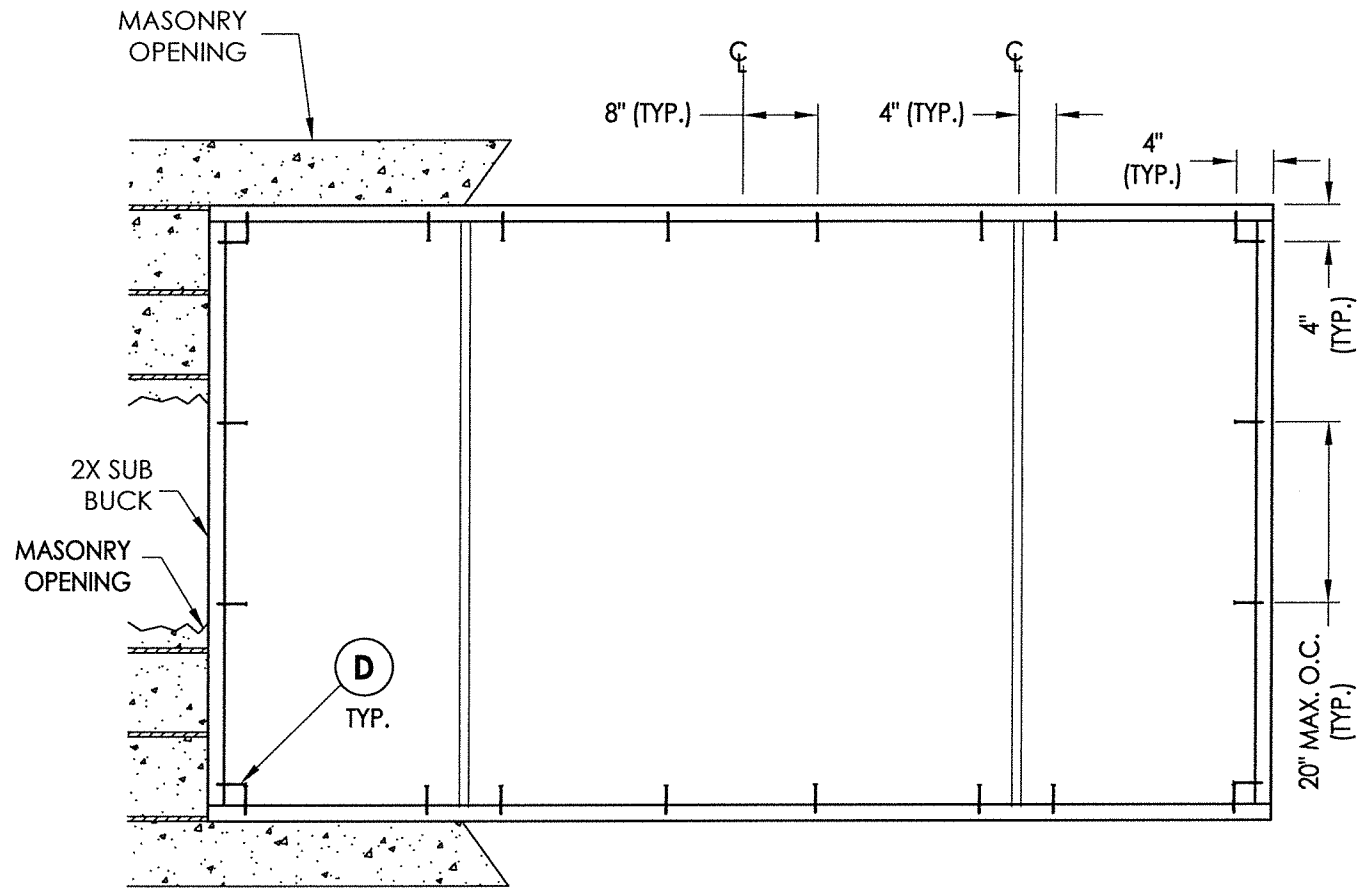
3 VERTICAL CROSS SECTION
3 2X Buck Masonry Construction

3 VERTICAL CROSS SECTION
3 2X Buck Masonry Construction

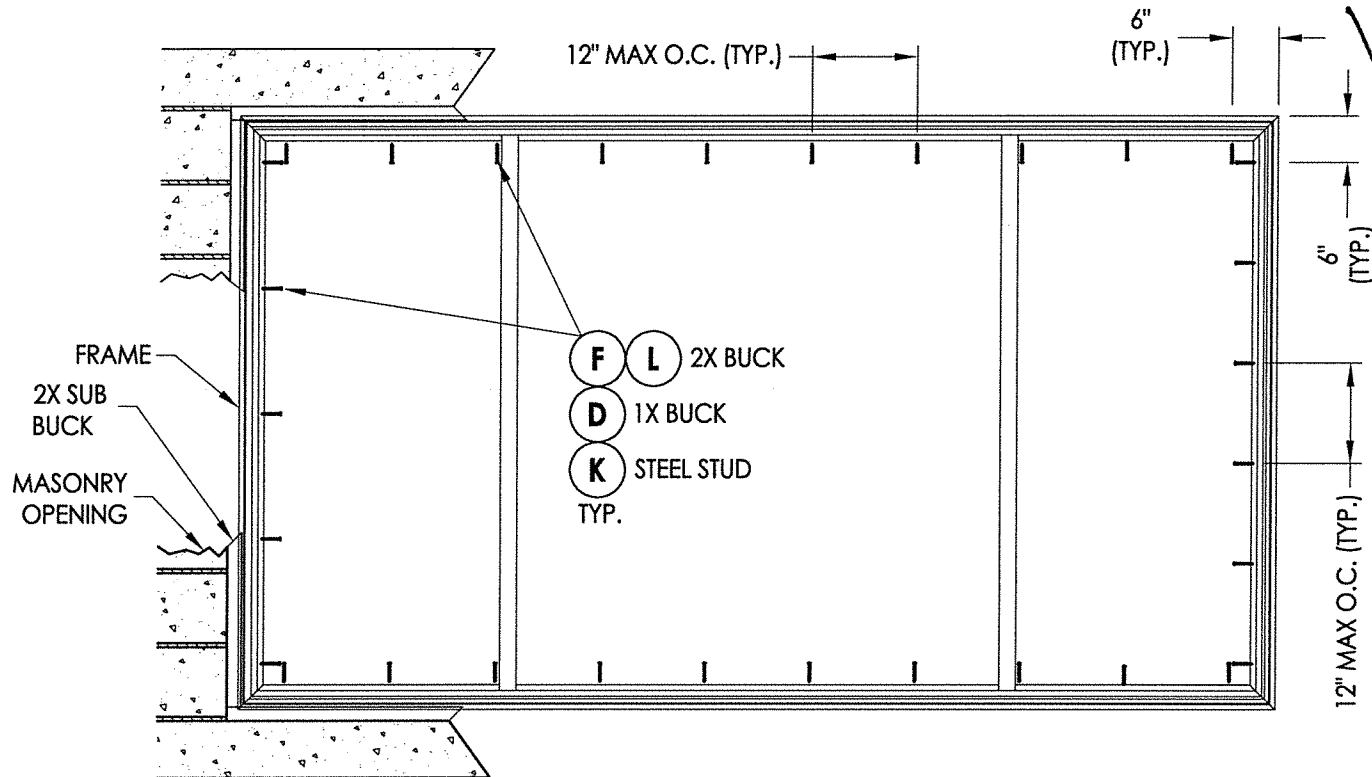


BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
.FBPE Registry No. 9813

R:\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.10.dwg, 4.10



BUCK ANCHORING



FRAME ANCHORING

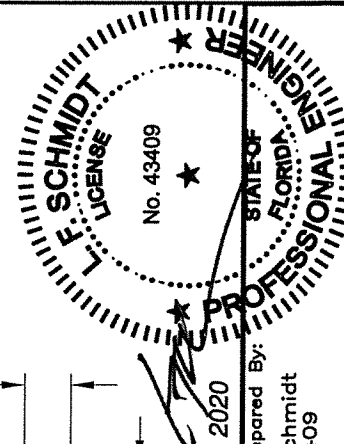
CONCRETE ANCHOR NOTES:

- 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"
ELCO 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.



August 03, 2020

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
FBPE Registry No. 9813

PRODUCT: Doers

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS			
		DATE	BY	REVISIONS	
5	7/30/20	UPDATE TO 7TH ED. (2020)	DAC		
4	9/22/17	UPDATE TO 6TH ED. (2017)	JK		
3	9/26/16	ADDED ALT. ANCHOR LOCATION	LFS		
2	12/17/15	REVISE MODEL NAME	JK		
1	6/25/15	UPDATE TO 5TH ED. (2014)	LFS		

DATE: 9/24/14

SCALE: N.T.S.

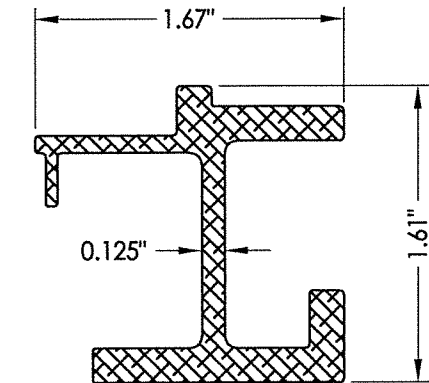
DWG. BY: JK

CHK. BY: LFS

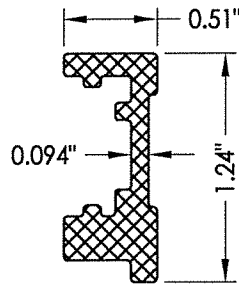
DRAWING NO.:
FL-16853.10

SHEET 4 OF 6

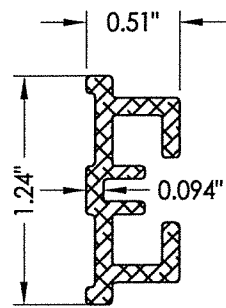
\\dc01\vwbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.10.dwg



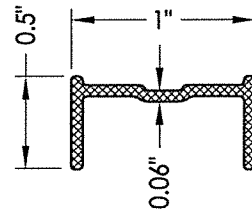
9 MEETING STILE REINFORCEMENT



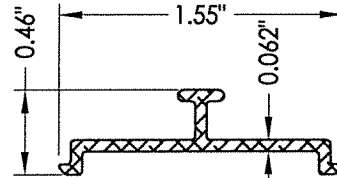
10 LOCK STILE REINFORCEMENT



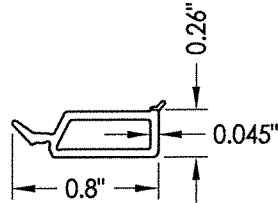
13 HANDLE STILE REINFORCEMENT



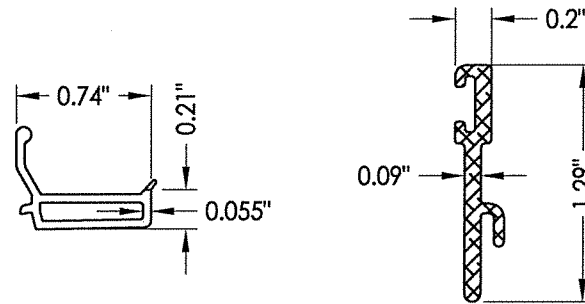
18 BOTTOM RAIL REINFORCEMENT



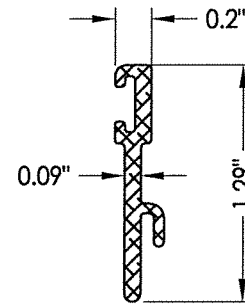
16 ROLLER TRACK



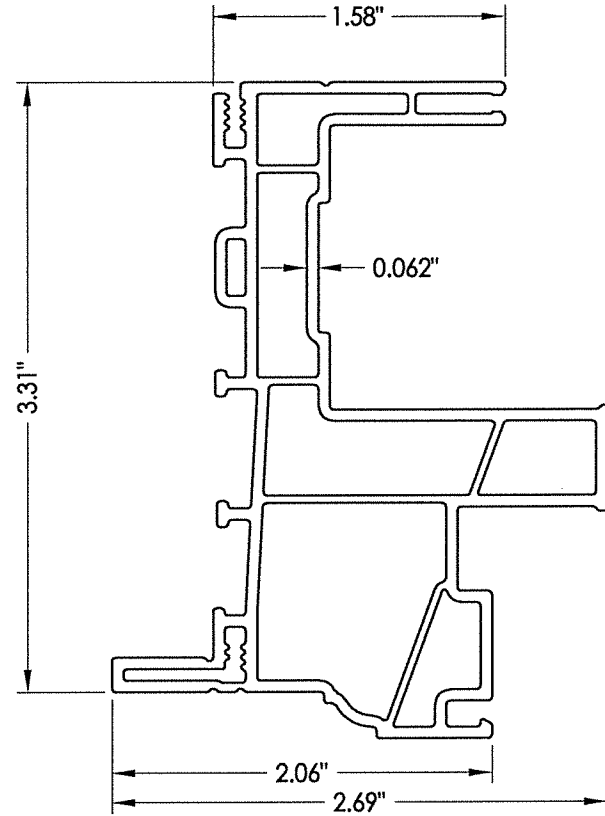
2 GLAZING BEAD



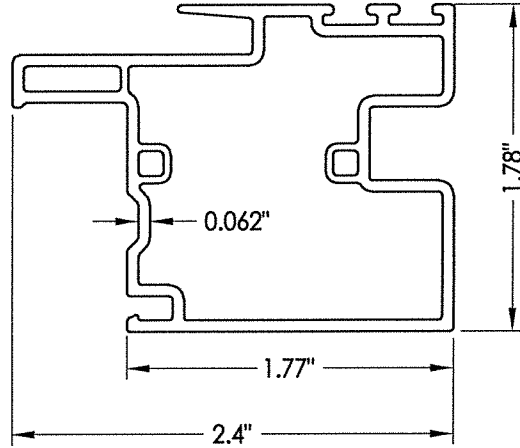
3 GLAZING BEAD



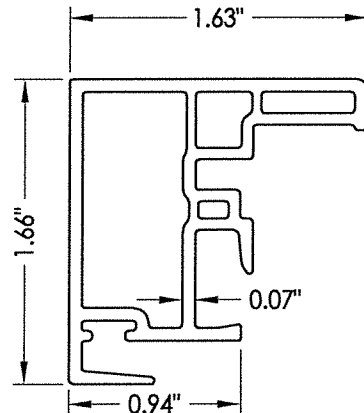
15 SILL RISER



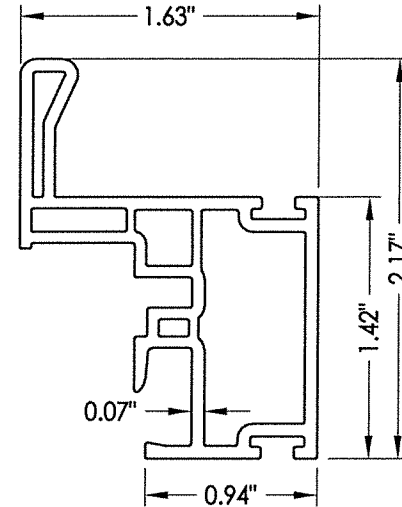
1 FRAME



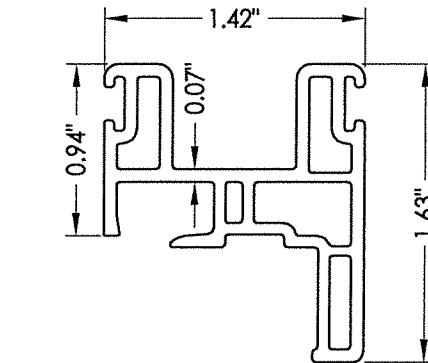
6 MEETING STILE



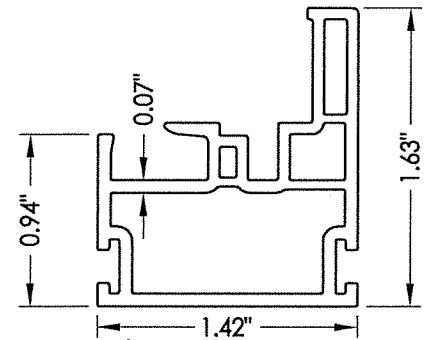
7 LOCK STILE



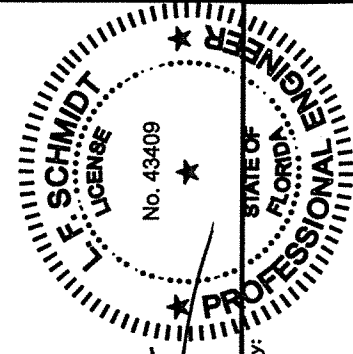
8 HANDLE STILE



5 TOP RAIL



4 BOTTOM RAIL



August 03, 2020

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
FBPE Registry No. 9813

PRODUCT:		Doers	
PART OR ASSEMBLY:		COMPONENTS	
NO.	DATE	REVISIONS	BY
5	7/30/20	UPDATE TO 7TH ED. (2020)	DAC
4	9/22/17	UPDATE TO 6TH ED. (2017)	JK
3	9/26/16	ADDED ALT. ANCHOR LOCATION	LFS
2	12/17/15	REVISE MODEL NAME	JK
1	6/25/15	UPDATE TO 5TH ED. (2014)	LFS

DATE: 9/24/14

SCALE: N.T.S.

DWG. BY: JK

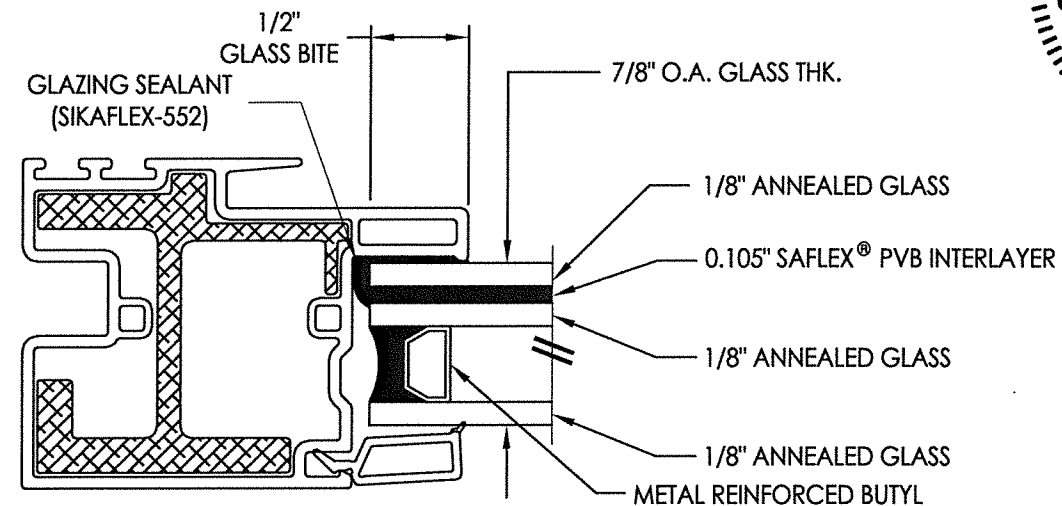
CHK. BY: LFS

DRAWING NO.: FL-16853.10

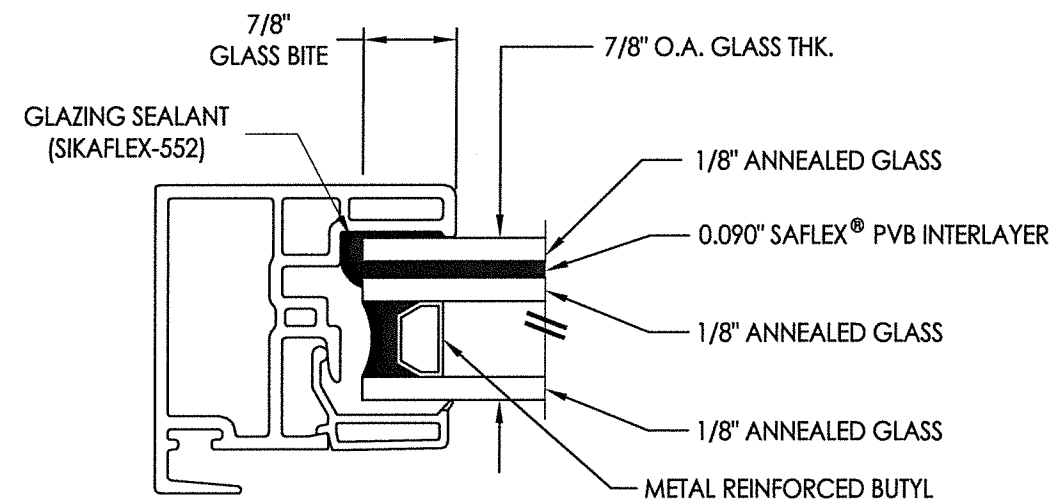
SHEET 5 OF 6

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK (SG >= 0.55)	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 2" PPH SMS (1-1/4" MIN. EMBEDMENT)	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
L	#10 X 2" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
1	EXTRUDED VINYL FRAME (439)*	RIGID PVC
2	EXTRUDED VINYL GLAZING BEAD (736A)*	RIGID PVC
3	EXTRUDED VINYL GLAZING BEAD (425A) *	RIGID PVC
4	BOTTOM RAIL (424B)*	RIGID PVC
5	TOP RAIL (478)*	RIGID PVC
6	MEETING STILE (477)*	RIGID PVC
7	LOCK STILE (476)*	RIGID PVC
8	HANDLE STILE (475B)*	RIGID PVC
9	MEETING STILE REINFORCEMENT	6063-T5 ALUM
10	LOCK STILE REINFORCEMENT	6063-T5 ALUM
11	SASH LOCK	-
12	KEEPER	-
13	HANDLE STILE REINFORCEMENT	6063-T5 ALUM
14	ROLLER (TRUTH #2433-1000)	-
15	SILL RISER	6063-T5 ALUM
16	ROLLER TRACK	6063-T5 ALUM
17	ANTI-LIFT ALUMINUM	6063-T5 ALUM
18	BOTTOM RAIL REINFORCEMENT	6063-T5 ALUM
20	WEATHERSTRIP (.187" X .290")	-

* 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
Fixed Life



G2 **GLAZING DETAIL**
Operable Life

