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Technical cross-section diagram of a window assembly. The diagram illustrates the internal structure, including the window frame, sash, and mounting hardware. Key components are labeled with circled numbers and letters:

- 3**: Points to the upper sash or frame component.
- 12**: Points to the upper sash or frame component.
- 13**: Points to the lower sash or frame component.
- 53**: Points to the lower sash or frame component.
- 14**: Points to the lower sash or frame component.
- 2**: Points to the lower sash or frame component.
- C**: Points to the lower sash or frame component.
- G1**: Points to the upper sash or frame component.
- A**: Points to the upper sash or frame component.
- H**: DIRECT TO MASONRY
- G**: 1X BUCK
- 1-1/4" MIN. EMB. (TYP.)**: Dimension indicating the minimum embedding depth of the mounting hardware.

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

F

8

25

D

E

B

C

2

12

53

3

13

Diagram illustrating a cross-section of a window assembly, showing the interior and exterior sides. The assembly includes multiple panes (3, 53) and seals (6, 14). The interior side is labeled "INTERIOR" and the exterior side is labeled "EXTERIOR". The diagram shows the relationship between the panes, seals, and the frame (G1).

LOCK STRIKE ATTACHED w/ (2) #8 X 3" PH SMS

ASTRAGAL ATTACHED TO PANEL w/ (4) #8 X 2" PH SMS (6" FROM EACH END & 2 MORE EQUALLY SPACED 6" FROM CENTERLINE)

40

42

11

12

3

G1

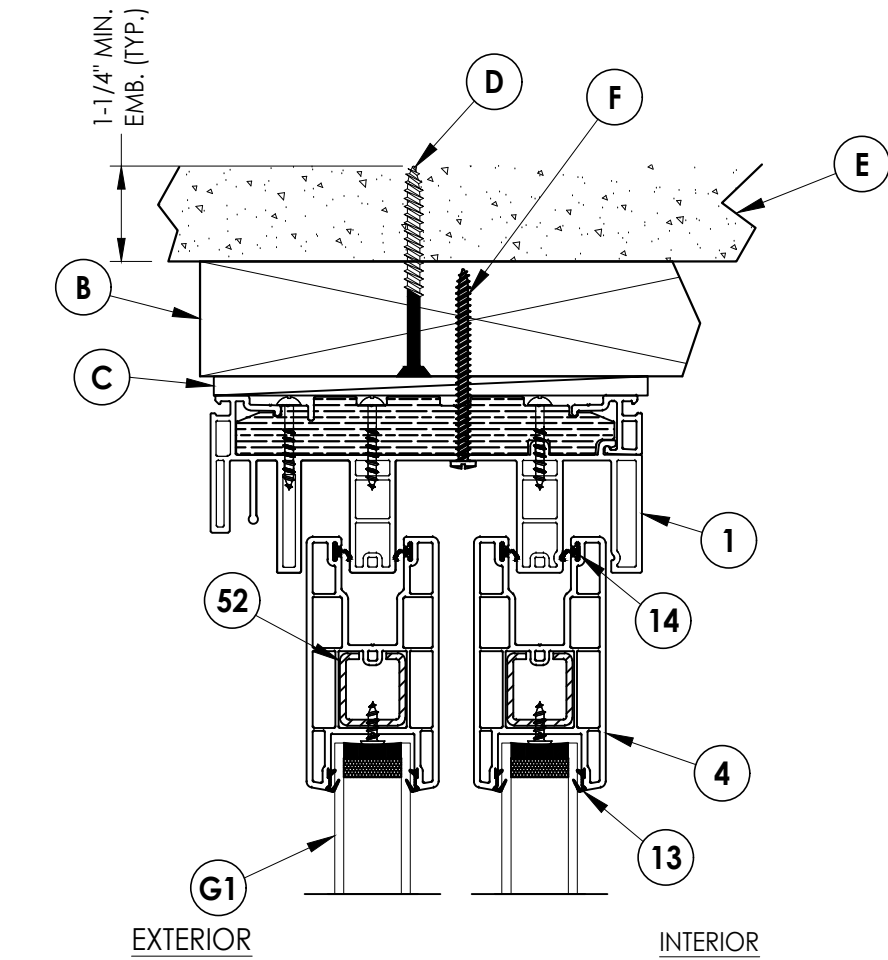
13

53

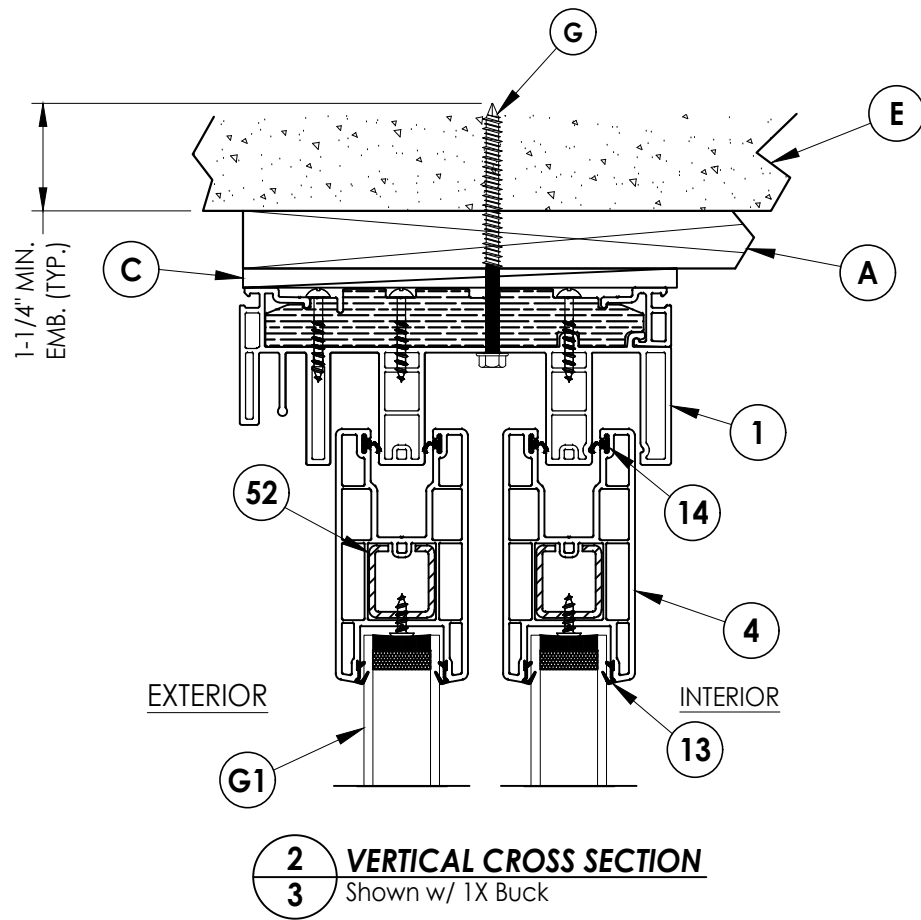
14

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: SLIDING PATIO DOORS		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
			LFS
			FBC
			FBC
			BY
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
1	9/13/23	UPDATE TO 8TH ED. (2023)	FBC
NO.	DATE		
REVISIONS			
DATE: 10/03/22			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-41707.6			
SHEET 2 OF 6			

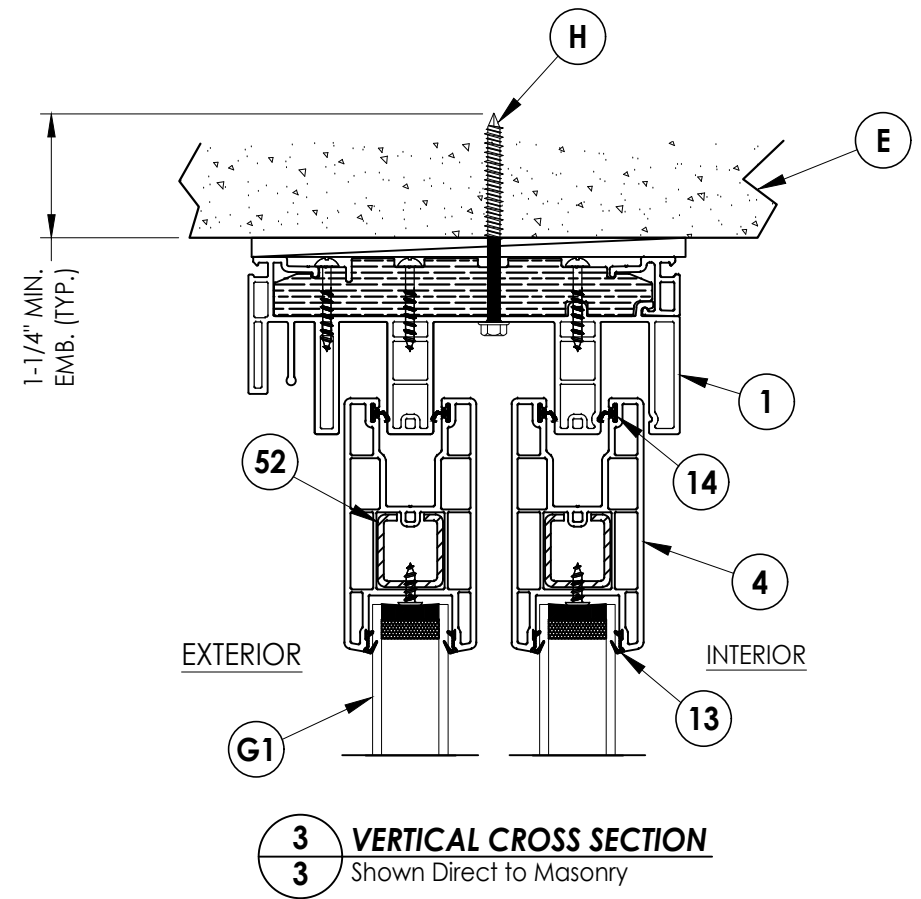
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1
3 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck & Head &
Direct to Masonry @ Sill



2
3 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck



3
3 **VERTICAL CROSS SECTION**
Shown Direct to Masonry

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FBPE Registry No. 9813

PRODUCT:
SLIDING PATIO DOORS

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
1	9/13/23	UPDATE TO 8TH ED. (2023) FBC LFS
		BY

DATE: 10/03/22

SCALE: N.T.S.

DWG. BY: LFS

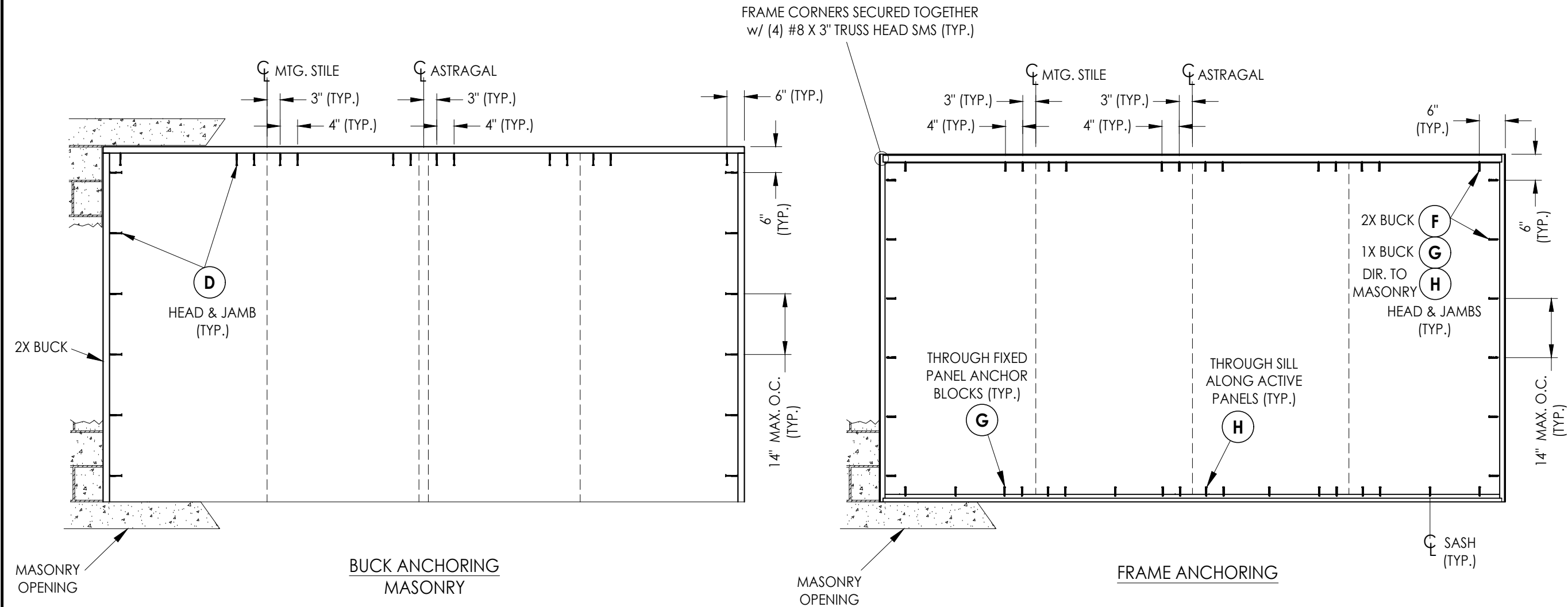
CHK. BY: RW

DRAWING NO.:

FL-41707.6

SHEET 3 OF 6

Z:\2023 FBC Drawings\Qingdal Sea Nova Building Profiles\FL-41707 R2\FL-41707.6.dwg



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"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.

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PRODUCT:

SLIDING PATIO DOORS

PART OR ASSEMBLY:

BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS		
		BY	LFS	FBC
2	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC
1	9/13/23	UPDATE TO 8TH ED.	(2023)	FBC

DATE: 10/03/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-41707.6

SHEET 4 OF 6

Technical drawing of a cross-section of a composite floor assembly. The drawing shows a top layer of FJ-PINE (5.62 inches wide) supported by a 0.08 inch thick layer, which is in turn supported by a 2.31 inch thick layer. The bottom layer consists of several vertical supports.

Technical drawing of a rectangular frame. The drawing shows a top-down view of the frame, which has a rectangular central opening. The overall width of the frame is labeled as 3.3". The overall height is labeled as 1.79". The thickness of the frame material is labeled as 0.08". The frame has a complex, multi-layered structure with various internal and external features, including what appears to be a central rectangular cutout and several smaller rectangular features on the sides and corners.

Technical drawing of a mechanical part. The drawing shows a cross-section of a component with a vertical flange on the left and a horizontal base. The vertical flange has a thickness of 0.06 inch. The horizontal base has a width of 1.87 inch. The total height of the component is 2.02 inch. The drawing is a black and white line drawing with dimension lines and arrows indicating the measurements.

Technical drawing of a cross-section of a beam. The drawing shows a rectangular cross-section with a width of 1.72 inch and a height of 1.09 inch. The thickness of the beam is indicated as 0.08 inch. The drawing includes a top view and a side view, with dimension lines and arrows indicating the measurements.

Technical drawing of a rectangular plate. The width is labeled as 0.08" and the height is labeled as 2.42". The plate has a central hole with a diameter of 0.08". The drawing shows the plate with a central hole and dimension lines indicating the width and height.

Technical drawing of a U-shaped metal part. The dimensions are: 0.06" thickness, 1.08" width, and 1.3" height.

1.65"

0.08"

1.18"

0.5"

+30 PSF MAX.

0.625"

+35 PSF MAX.

SILL RISER HEIGHT OPTIONS & DESIGN PRESSURE LIMITATIONS

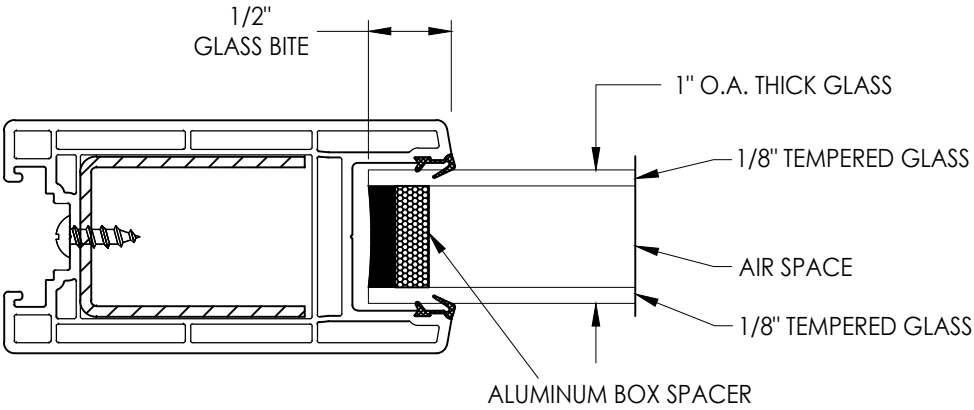
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PPH SMS	STEEL
G	1/4" X 3-1/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" X 2-3/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
K	3/16" X 3-1/4" FH ITW CONCRETE SCREW	STEEL
1	FRAME HEAD*	PVC
2	FRAME JAMB*	PVC
3	STILE*	PVC
4	TOP & BOTTOM RAIL*	PVC
5	FRAME SILL*	PVC
6	INTERLOCK*	PVC
7	FIXED PANEL ANCHOR BLOCK*	PVC
8	FRAME COVER*	PVC
9	GLAZING BEAD*	PVC
10	TANDEM WHEEL	NYLON
11	ASTREAGAL*	PVC
12	BULB WEATHERSEAL	-
13	GLAZING GASKET	-
14	STILE & RAIL WEATHERSEAL	-
20	SILL CLADDING	ALUM
25	FIXED PANEL CLIP	STEEL
40	HANDLE & LOCK KIT	STEEL
42	LOCK STRIKE PLATE	STEEL
52	TOP & BOTTOM RAIL REINFORCEMENT	STEEL
53	STILE REINFORCEMENT	STEEL
60	SILL RISER	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".



G1 **GLAZING DETAIL**

[illegible]