

QINGDAO SEA NOVA BUILDING PROFILES PRODUCTS CO., LTD

Songjia, Yanghe Town Jiaozhou Dist. Qingdao City
Shandong Province, 266425 China
Tel: +86-0532-86225607

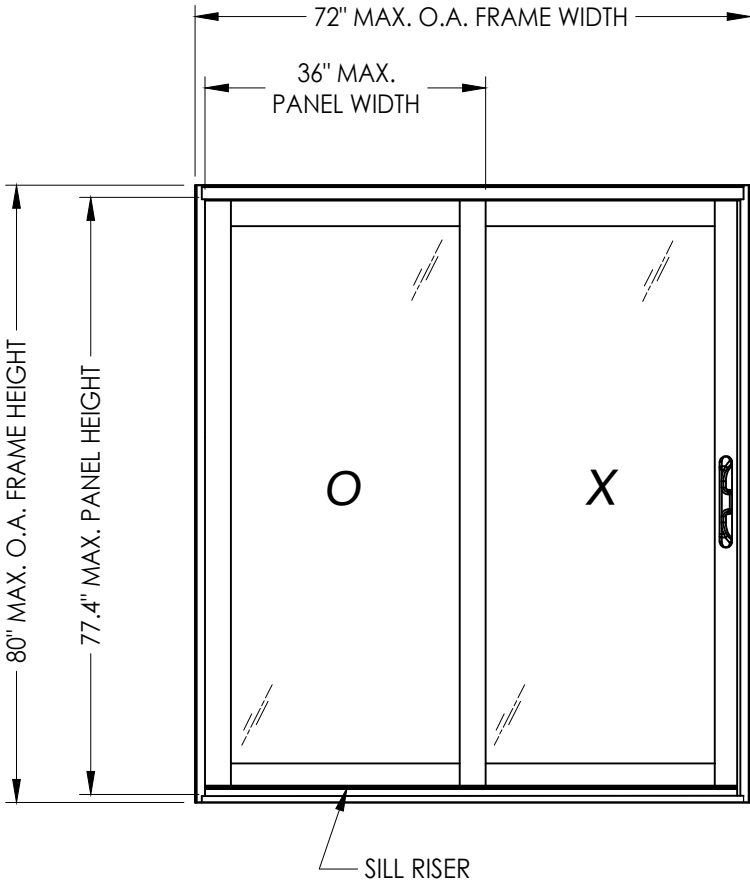


"SLD 01 MM" SERIES
Vinyl Sliding Patio Door
(Mechanical Sash)
"NON-IMPACT"

GENERAL NOTES

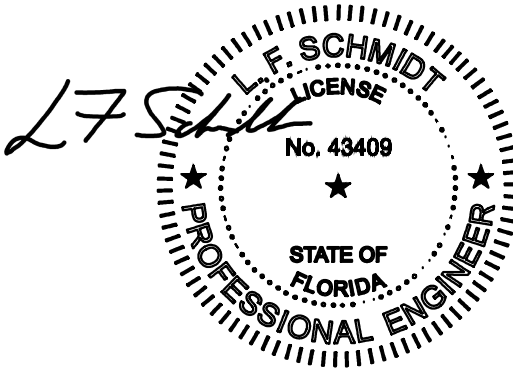
- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- 2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall 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 elevation, design pressures & general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Buck & frame anchoring
5	Components
6	Bill of materials & glazing detail



OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	SILL RISER REQUIRED	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
72.0" x 80.0"	36.0" X 77.4"	29.25" X 69.5"	G1	NO	+20.0	-45.0
				YES	+45.0*	-45.0

*SILL RISER REQUIRED (SEE SHEET 5 FOR POSITIVE DESIGN PRESSURE LIMITATIONS)



Digitally signed by Lyndon F Schmidt
Date: 2023.09.13 14:27:53 -04'00'

This item has been digitally signed and sealed by L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT: SLIDING PATIO DOORS

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

DATE: 10/03/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-41707.4

SHEET 1 OF 6

REVISIONS

1 9/13/23 UPDATE TO 8TH ED. (2023) FBC

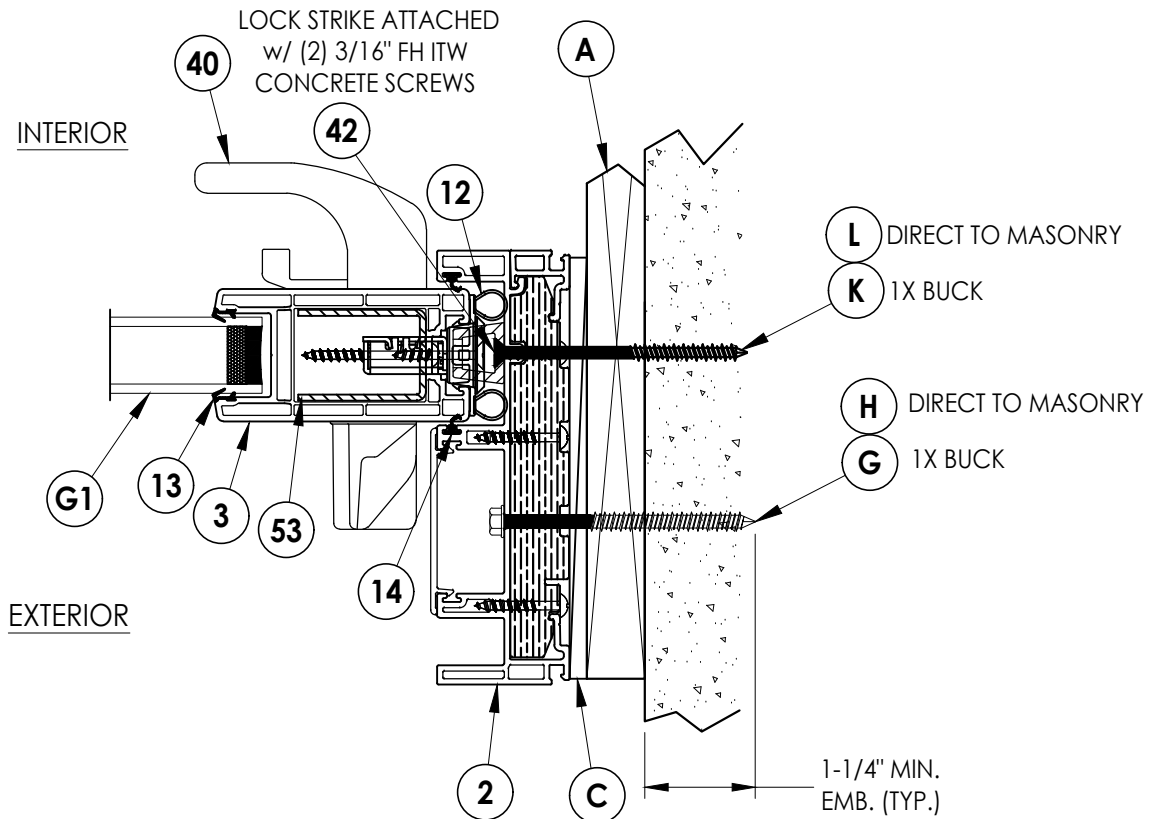
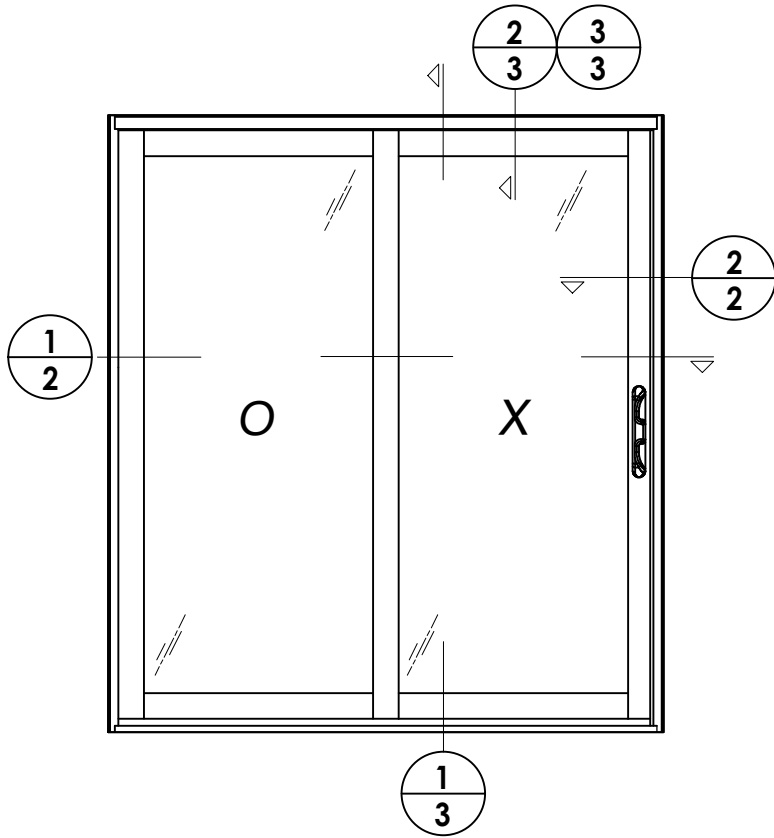
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

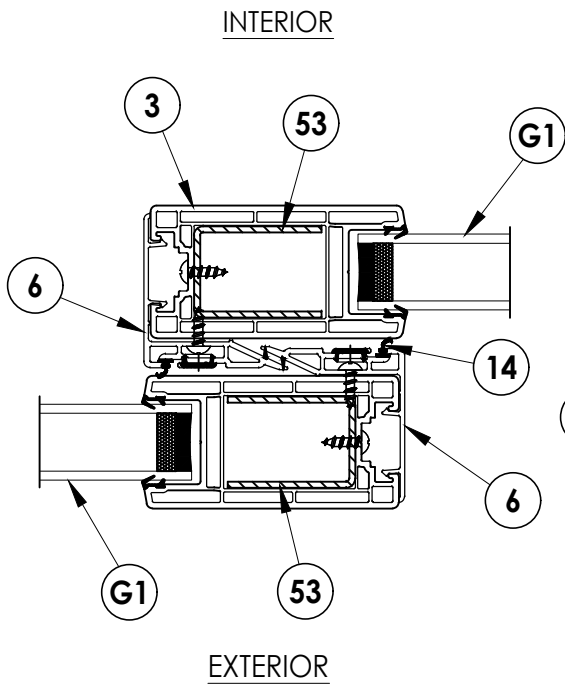
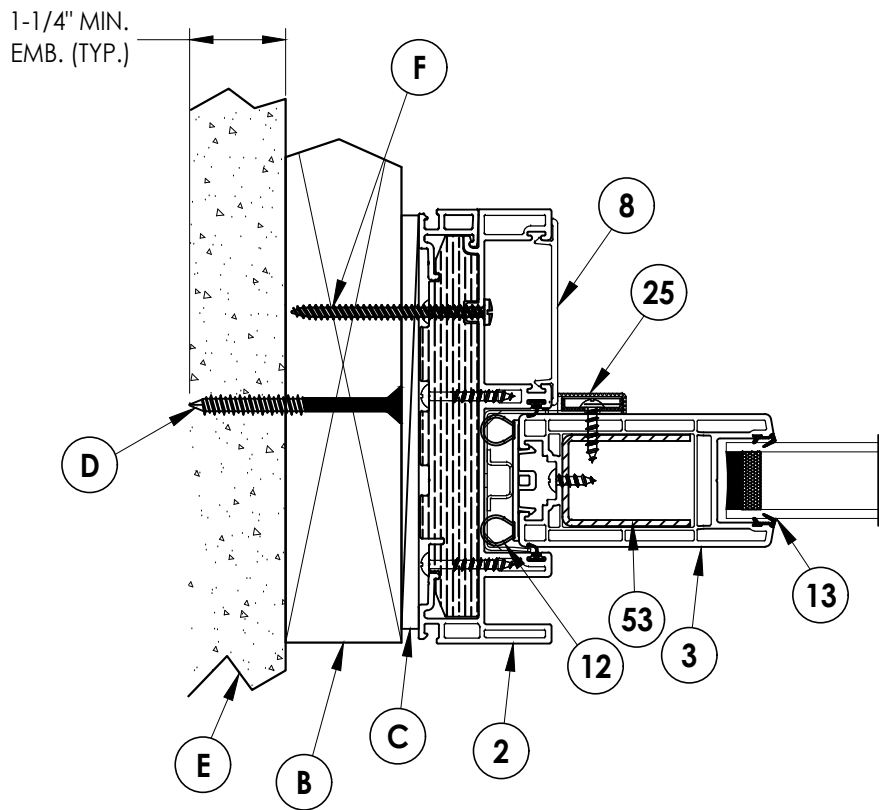
Phone No.: 813.659.9197

FBPE Registry No. 9813

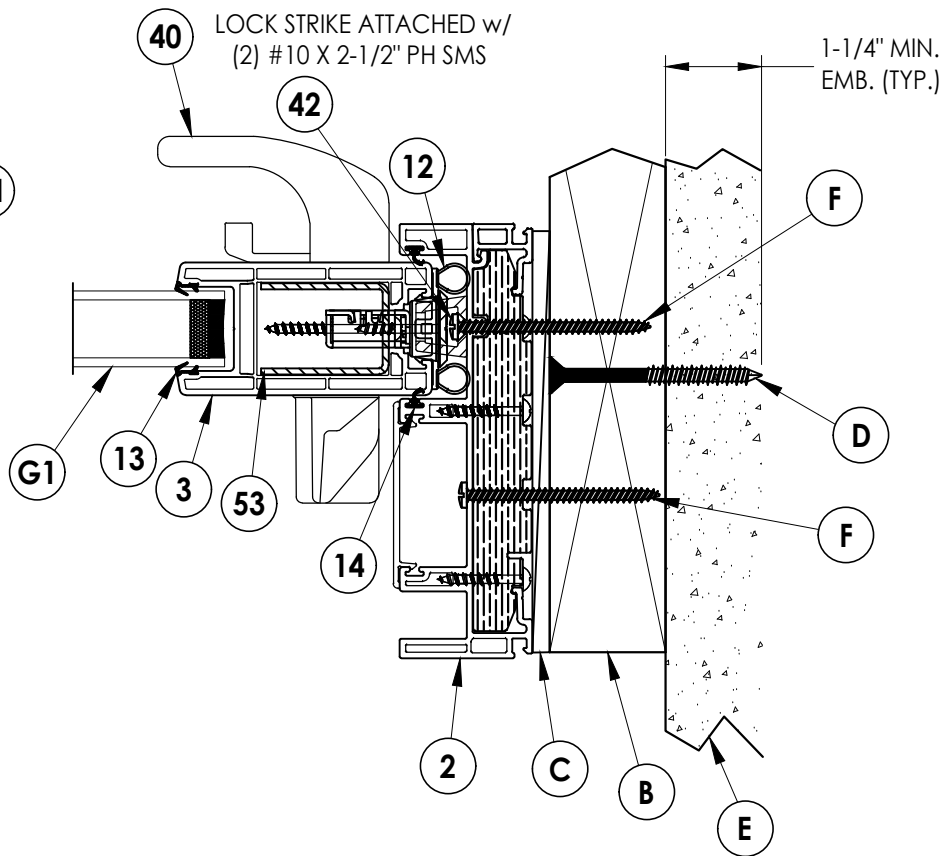
Z:\2023 FBC Drawings\Qingdal Sea Nova Building Profiles\FL-41707 R1\FL-41707.4.dwg



2/2 HORIZONTAL CROSS SECTION
Shown w/ 1X Buck
(Direct to Masonry Similar)



1/2 HORIZONTAL CROSS SECTION
Shown w/ 2X Buck



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:
SLIDING PATIO DOORS

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

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

DATE: 10/03/22

SCALE: N.T.S.

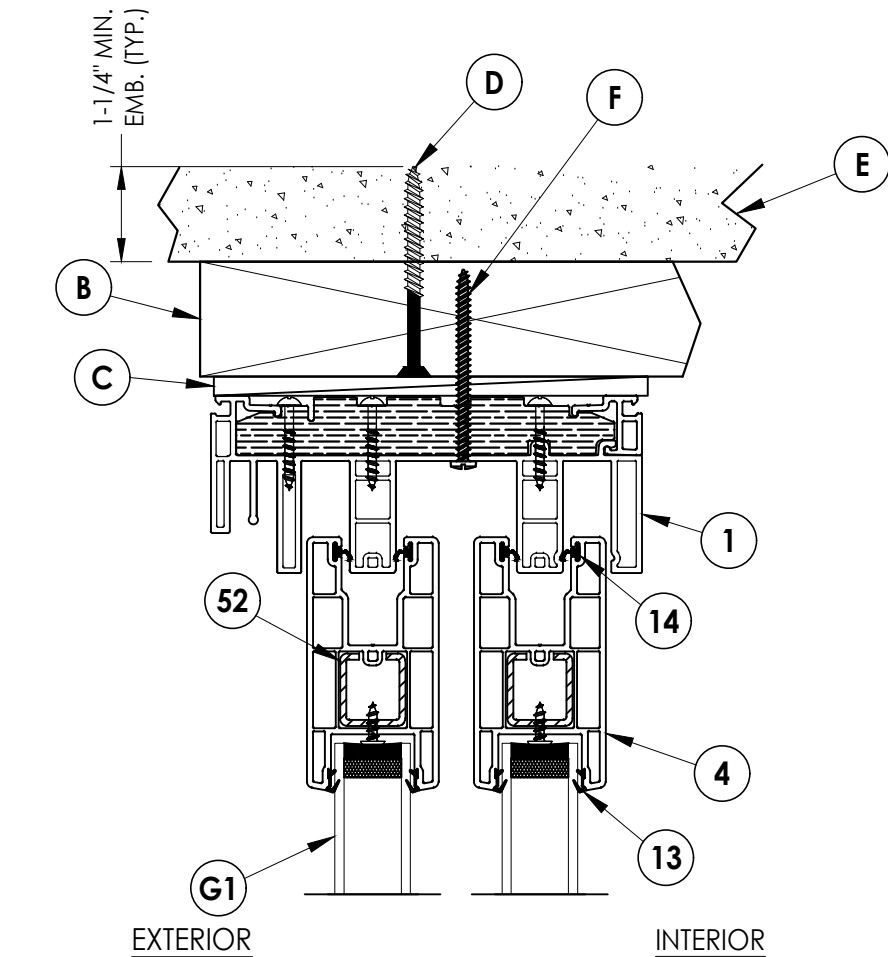
DWG. BY: LFS

CHK. BY: RW

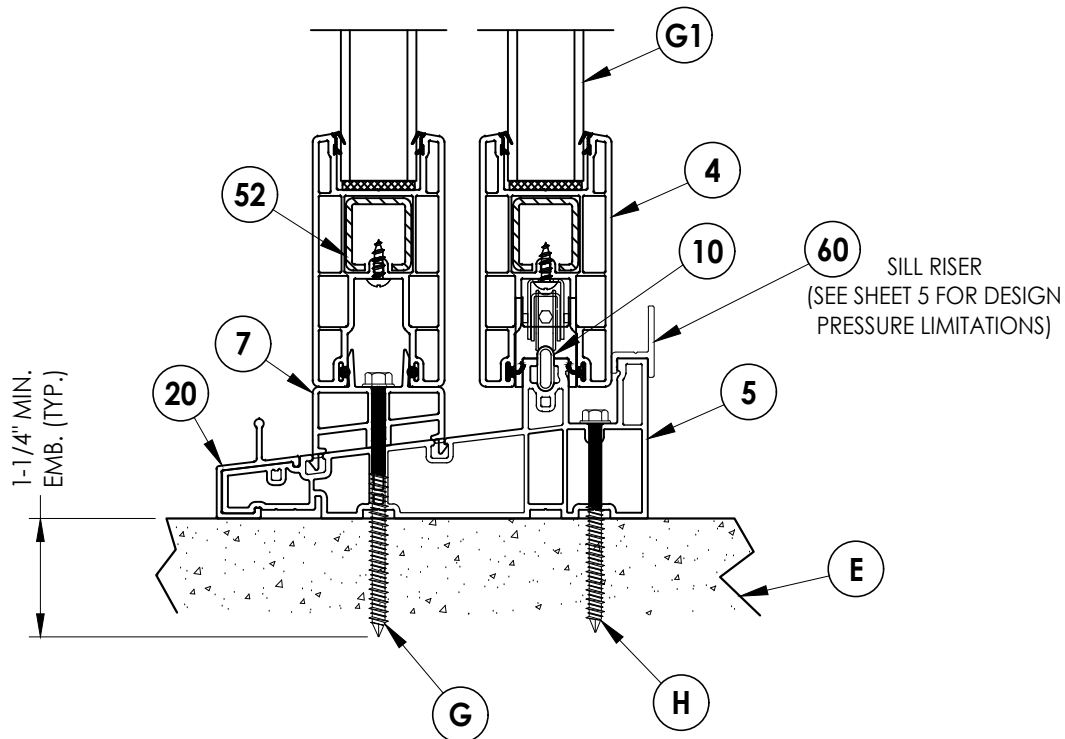
DRAWING NO.:
FL-41707.4

SHEET 2 OF 6

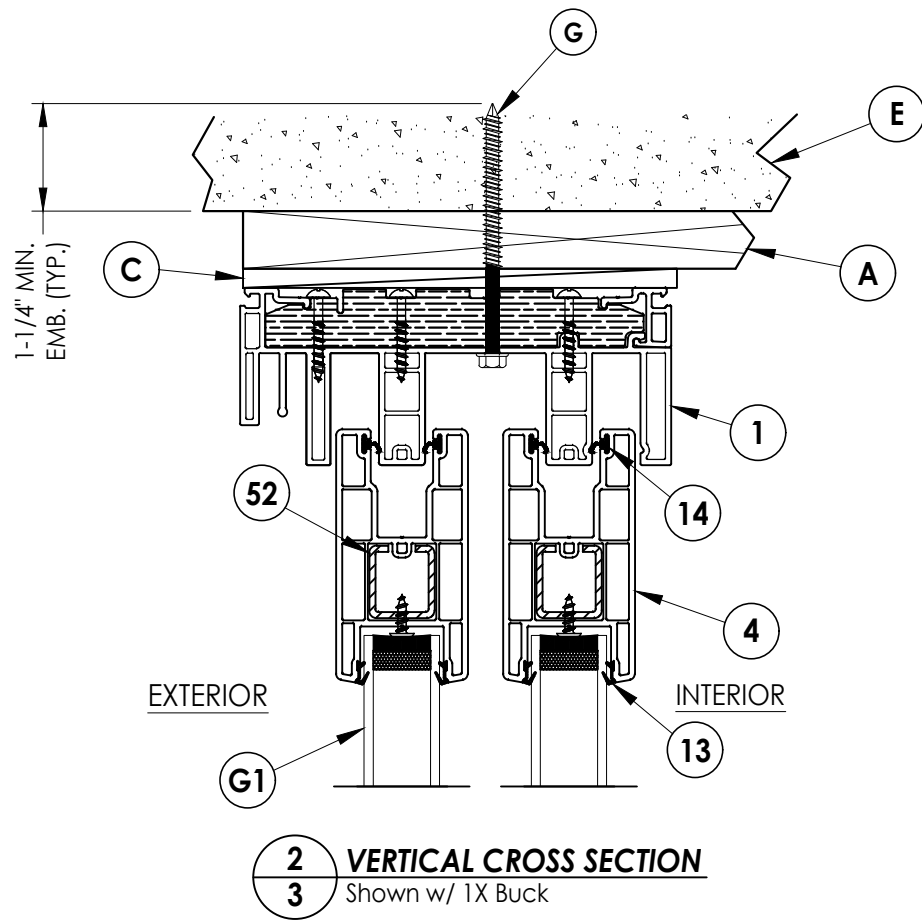
Z:\2023 FBC Drawings\Qingdal Sea Nova Building Profiles\FL-41707 R1\FL-41707.4.dwg



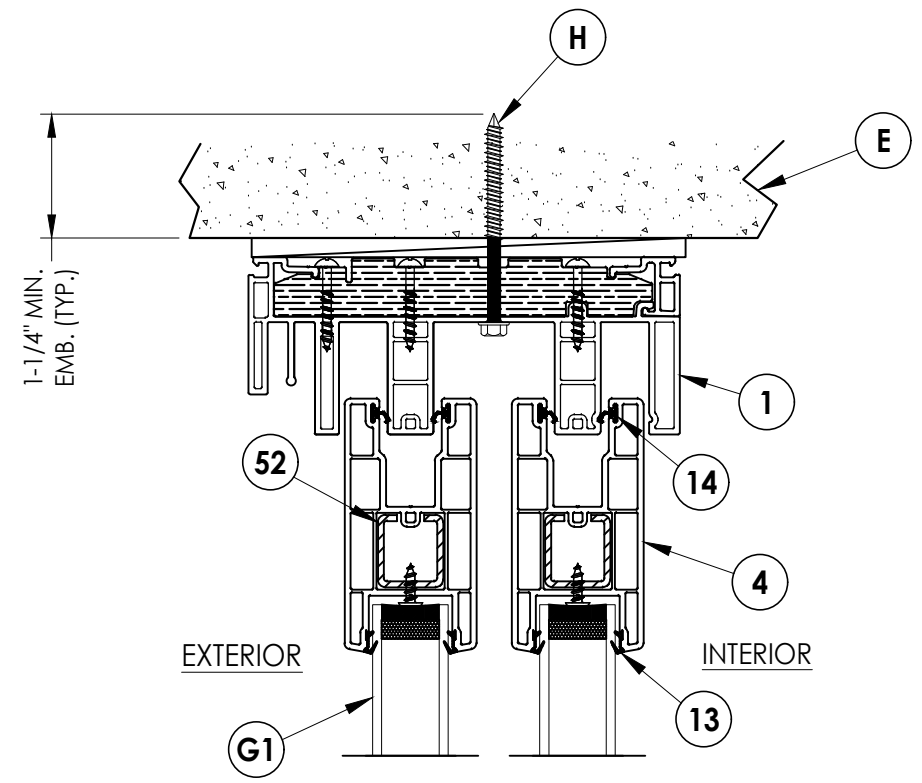
1
3 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck & Head &
Direct to Masonry @ Sill



SILL RISER
(SEE SHEET 5 FOR DESIGN
PRESSURE LIMITATIONS)



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



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

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:
SLIDING PATIO DOORS

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

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

DATE: 10/03/22

SCALE: N.T.S.

DWG. BY: LFS

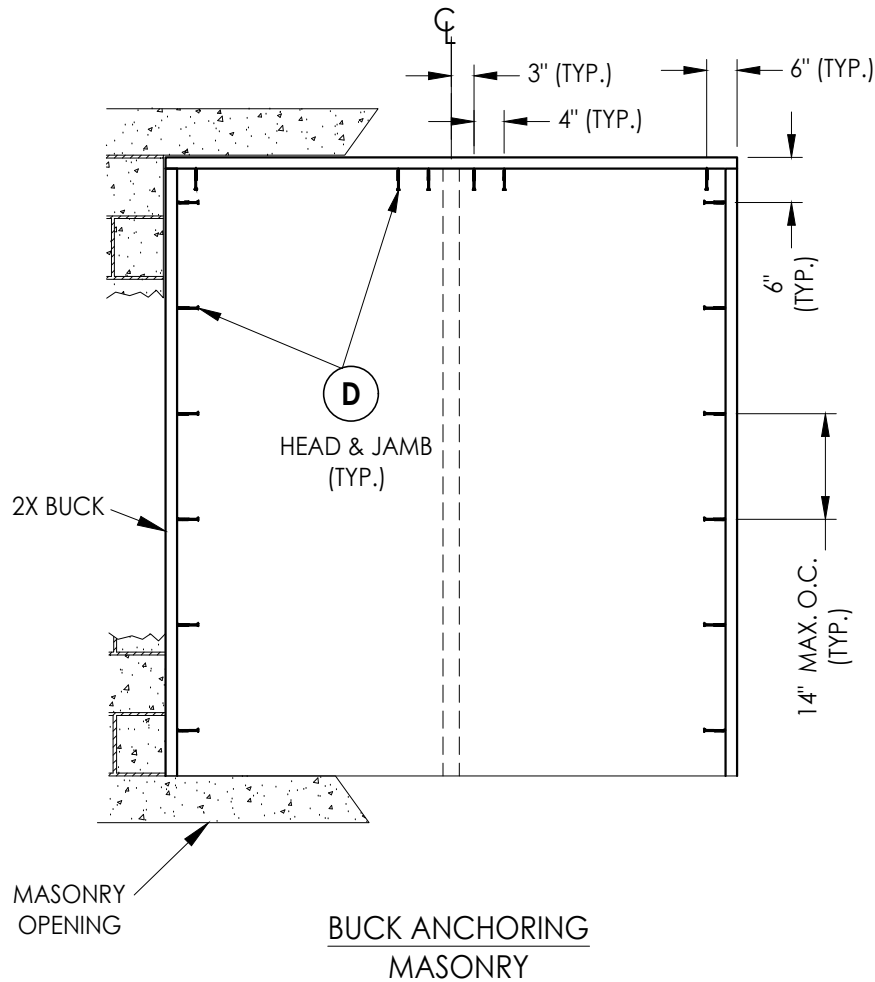
CHK. BY: RW

DRAWING NO.:

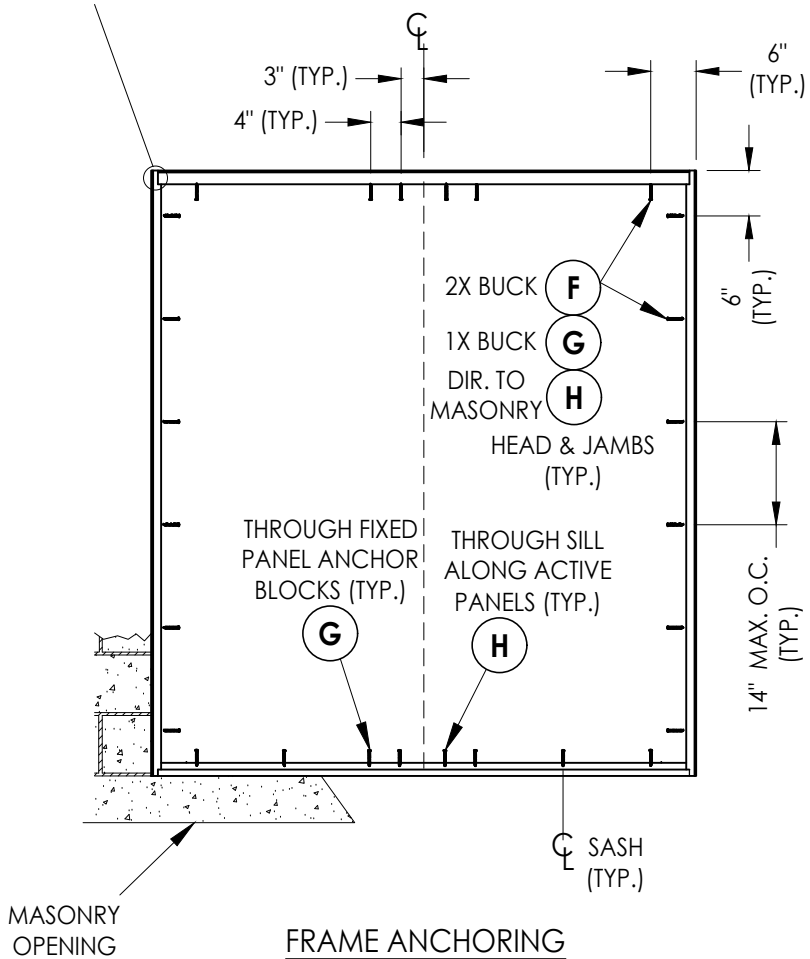
FL-41707.4

SHEET 3 OF 6

Z:\2023 FBC Drawings\Qingdal Sea Nova Building Profiles\FL-41707 R1\FL-41707.4.dwg



FRAME CORNERS SECURED TOGETHER
w/ (4) #8 X 3" TRUSS HEAD SMS (TYP.)



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.

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:
SLIDING PATIO DOORS

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
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-41707.4

SHEET 4 OF 6

Technical drawing of a mechanical part with dimensions: 0.06 inch, 1.08 inch, and 1.3 inch.

Technical drawing of a cross-section of a metal bracket. The drawing shows a U-shaped base with two vertical supports. Dimensions are indicated: a total width of 1.72 inches, a height of 1.09 inches, and a thickness of 0.08 inches.

0.08"

2.42"

Technical drawing of a rectangular frame. The width is labeled as 3.3". The height is labeled as 1.72". The thickness of the frame is labeled as 0.08".

A diagram of a T-beam cross-section. The total height of the beam is indicated as 0.5 inches. The beam has a horizontal flange at the top and a vertical web below it. The flange has a width of 1.5 inches and a thickness of 0.1 inches. The web has a height of 0.4 inches and a width of 0.1 inches. The bottom of the web is rounded with a radius of 0.1 inches.

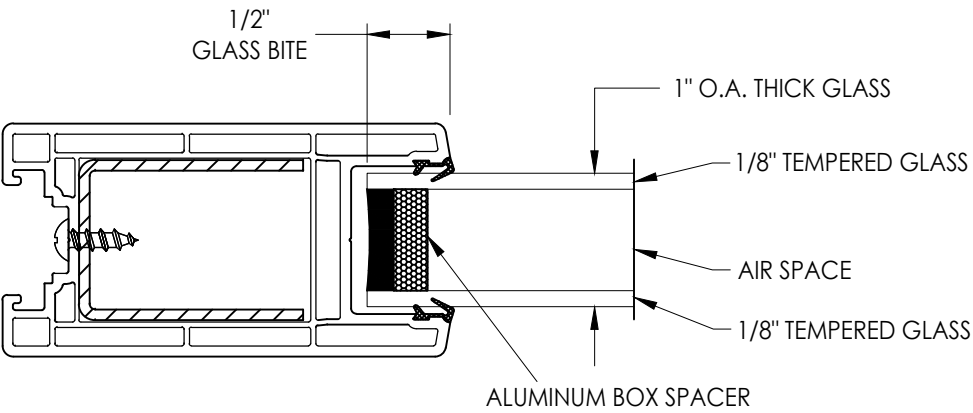
SILL RISER HEIGHT OPTIONS & DESIGN PRESSURE LIMITATIONS

DATE:	10/03/22
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-41707.4
SHEET	5 OF 6

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

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
L	3/16" X 2-3/4" 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
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]