

Z:\2023 FBC Drawings\Associated Materials, Inc\FL-12323 R10\FL-12323.18-19.dwg



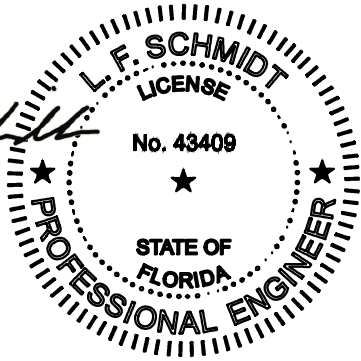
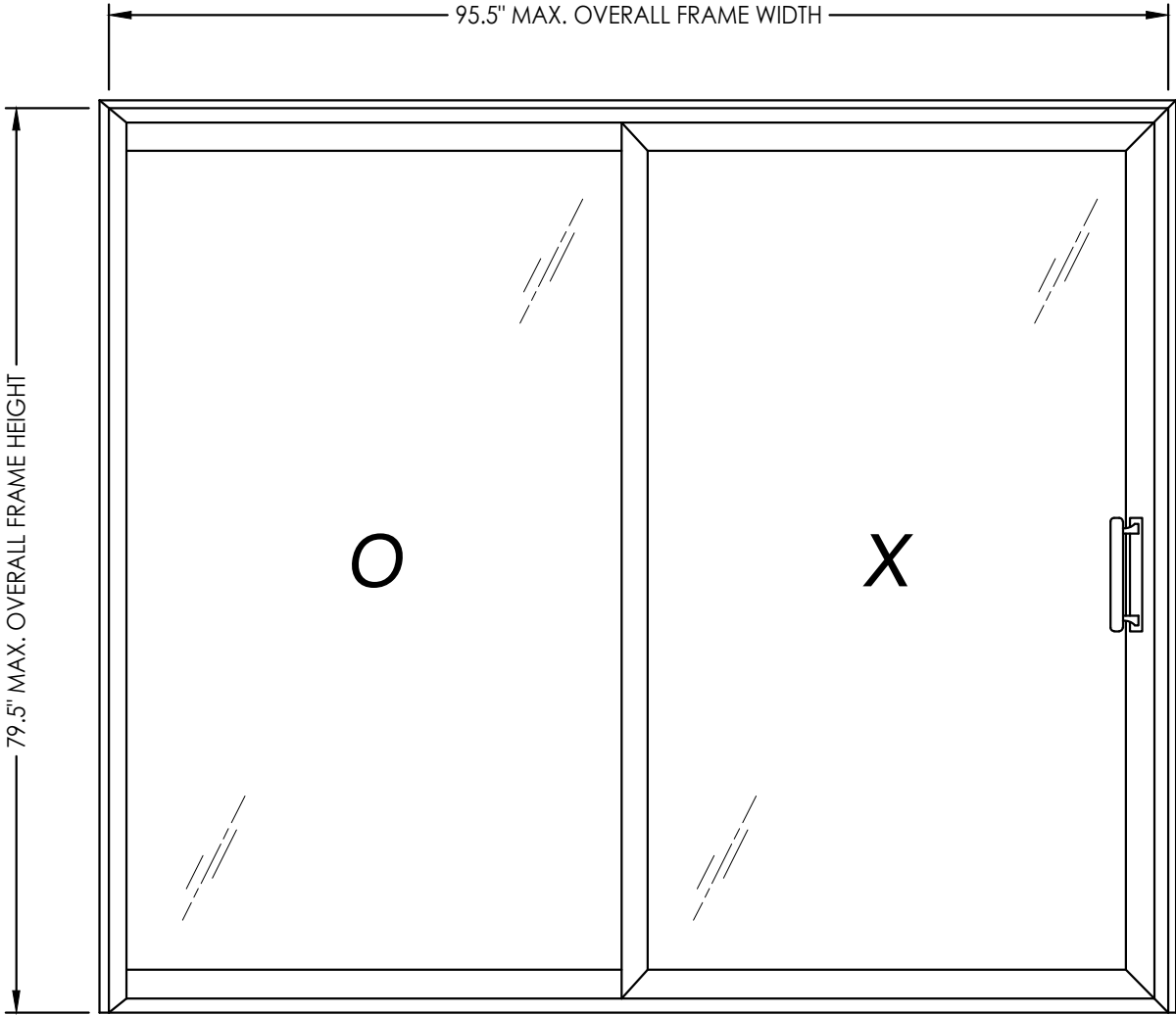
MODEL 51"i"5/51"i"6/51"i"8
EXTRUDED VINYL
SLIDING PATIO DOORS
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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 3 as defined in ASTM E1996.
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 & vertical cross sections
3	Horizontal & vertical cross sections
4	Buck & frame anchoring
5	Bill of materials, glazing detail & components

OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
95.5" x 79.5"	48.5" x 76.375"	43.75" x 71.625"	G1	+50.0	-50.0



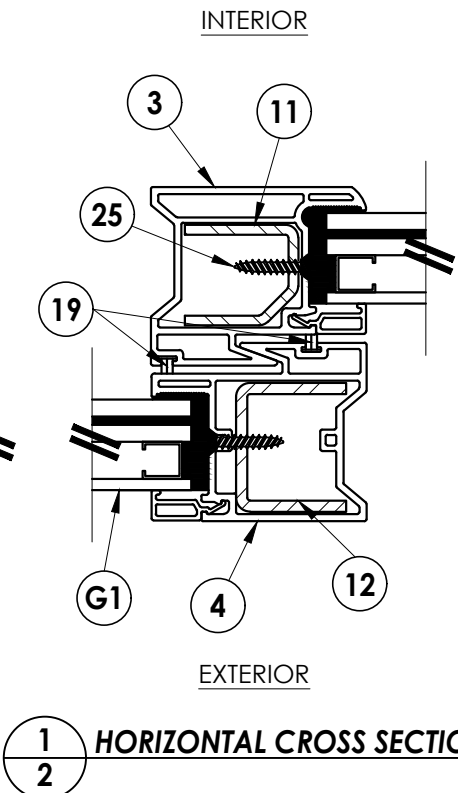
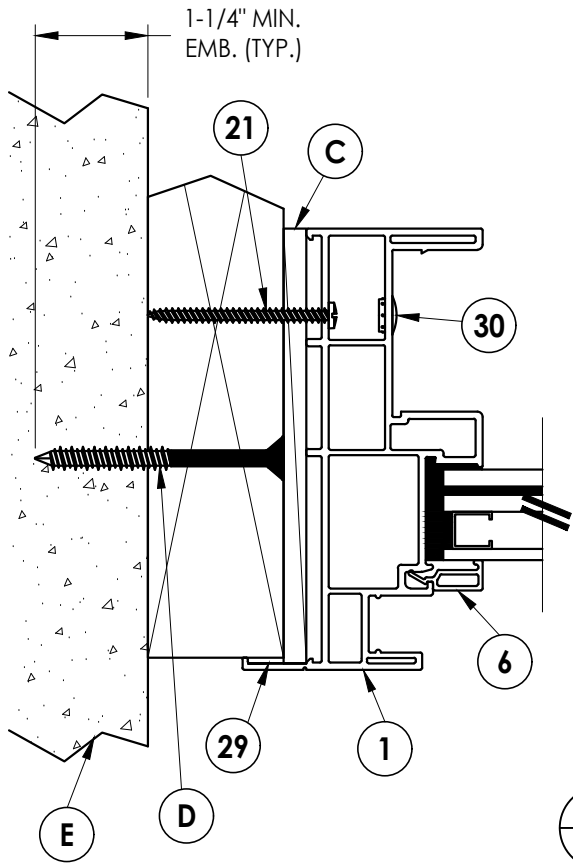
Digitally signed by
Lyndon F Schmidt
Date: 2026.08.18
09:05:16 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
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considered signed and sealed and the signature
must be verified on any electronic copies.

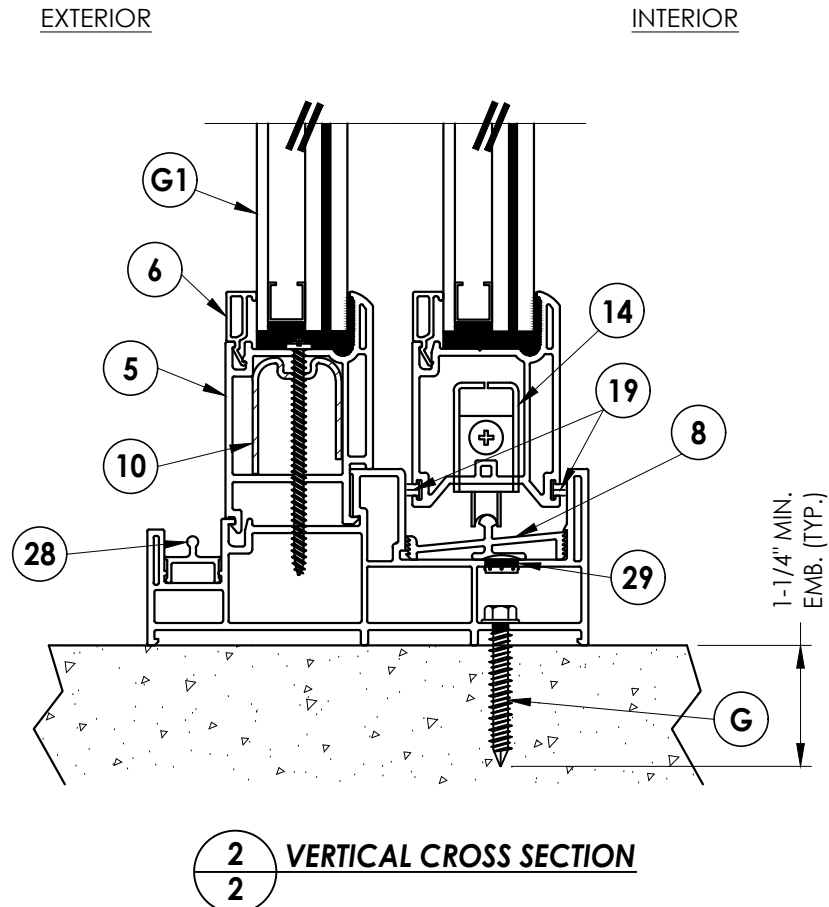
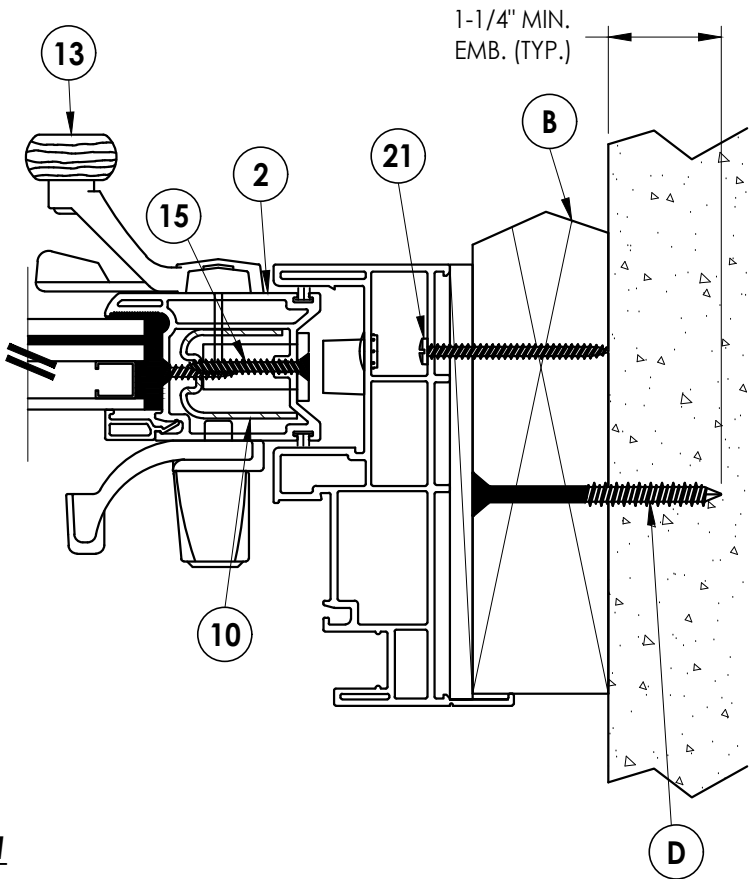
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: EXTRUDED VINYL SLIDING PATIO DOORS		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
7	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
6	7/31/23	UPDATE TO 8TH ED. (2023) FBC	LFS
5	8/20/20	UPDATE TO 7TH ED. (2020) FBC	DAC
NO.	DATE		BY
			REVISIONS
DATE: 3/11/09			
SCALE: N.T.S.			
DWG. BY: AL			
CHK. BY: LFS			
DRAWING NO.: FL-12323.18			
SHEET 1 OF 5			

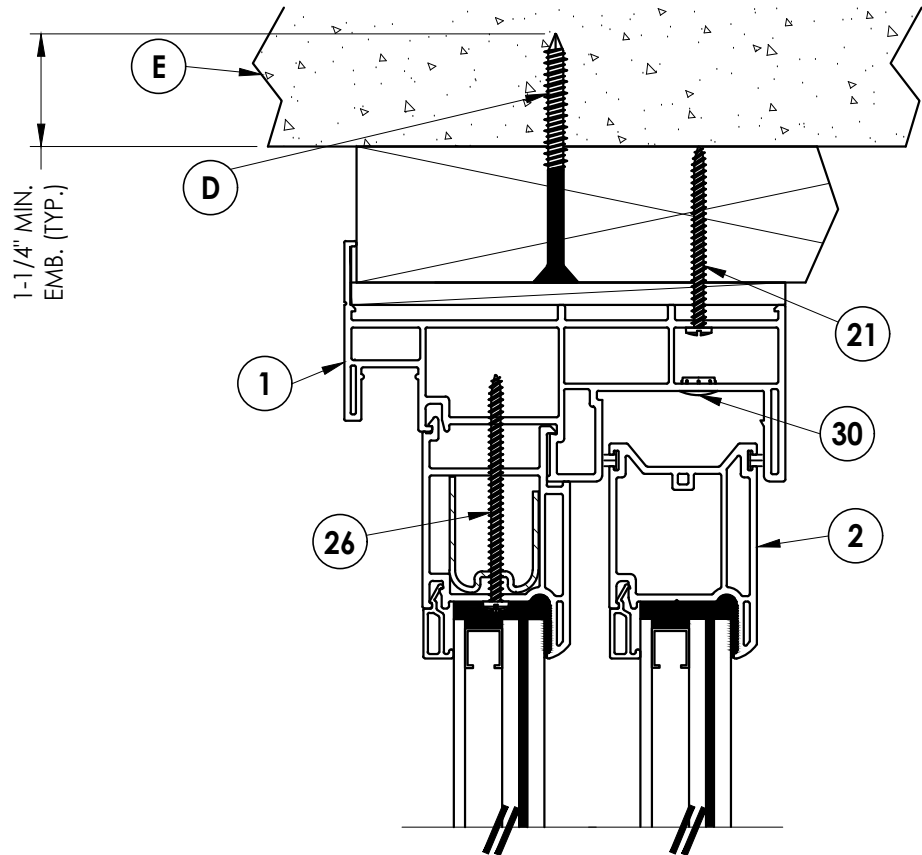
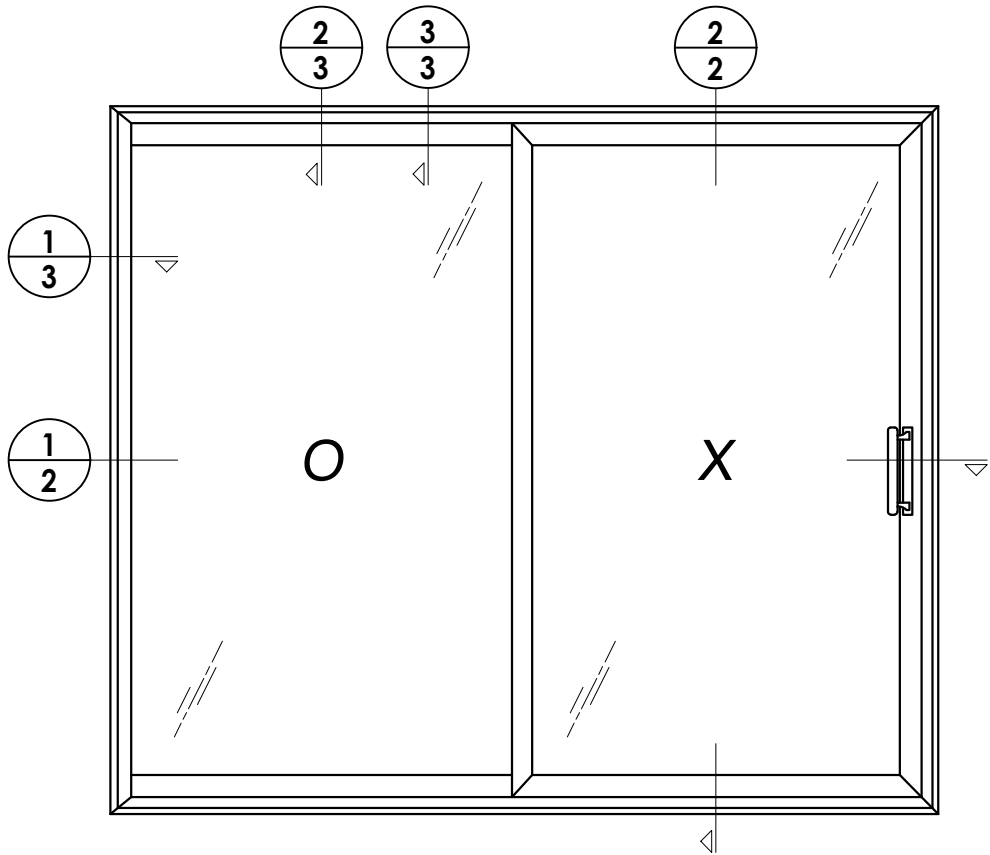
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HORIZONTAL CROSS SECTION



VERTICAL CROSS SECTION



PRODUCT:
EXTRUDED VINYL
SLIDING PATIO DOORS

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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6	7/31/23	UPDATE TO 8TH ED. (2023)	FBC LFS
5	8/20/20	UPDATE TO 7TH ED. (2020)	FBC DAC
4			
3			
2			
1			

DATE: 3/11/09

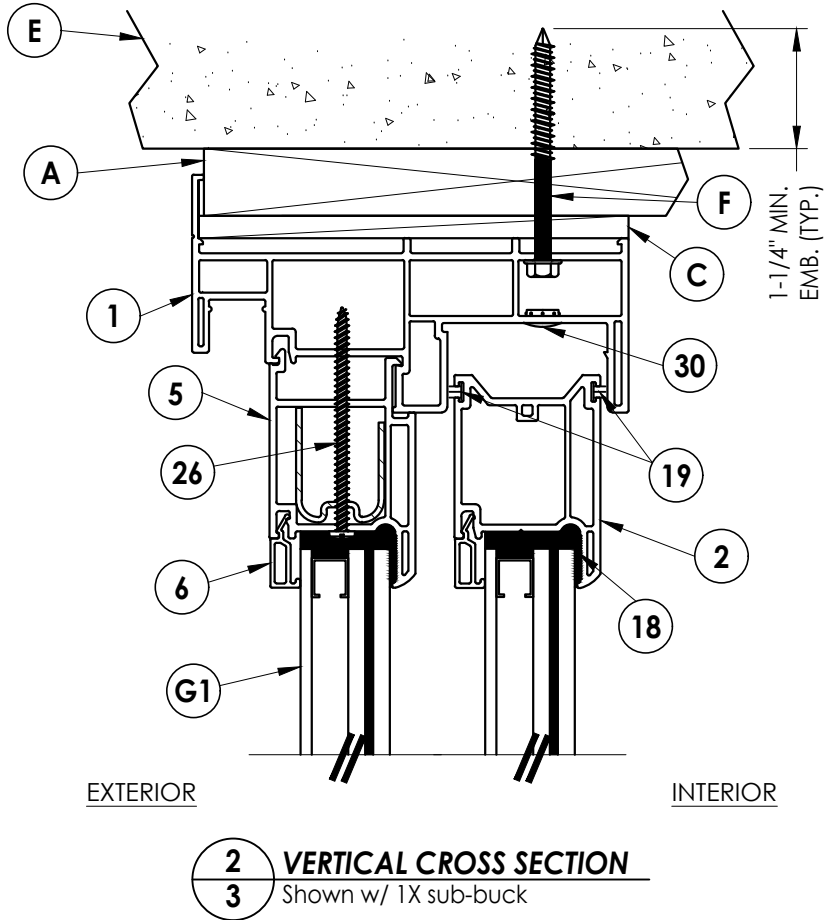
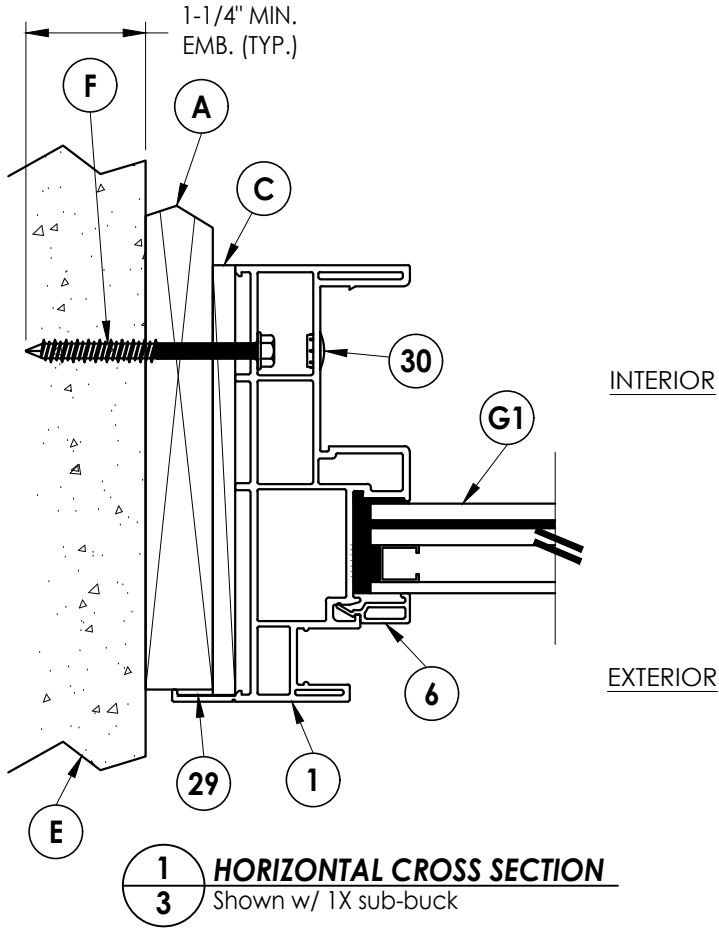
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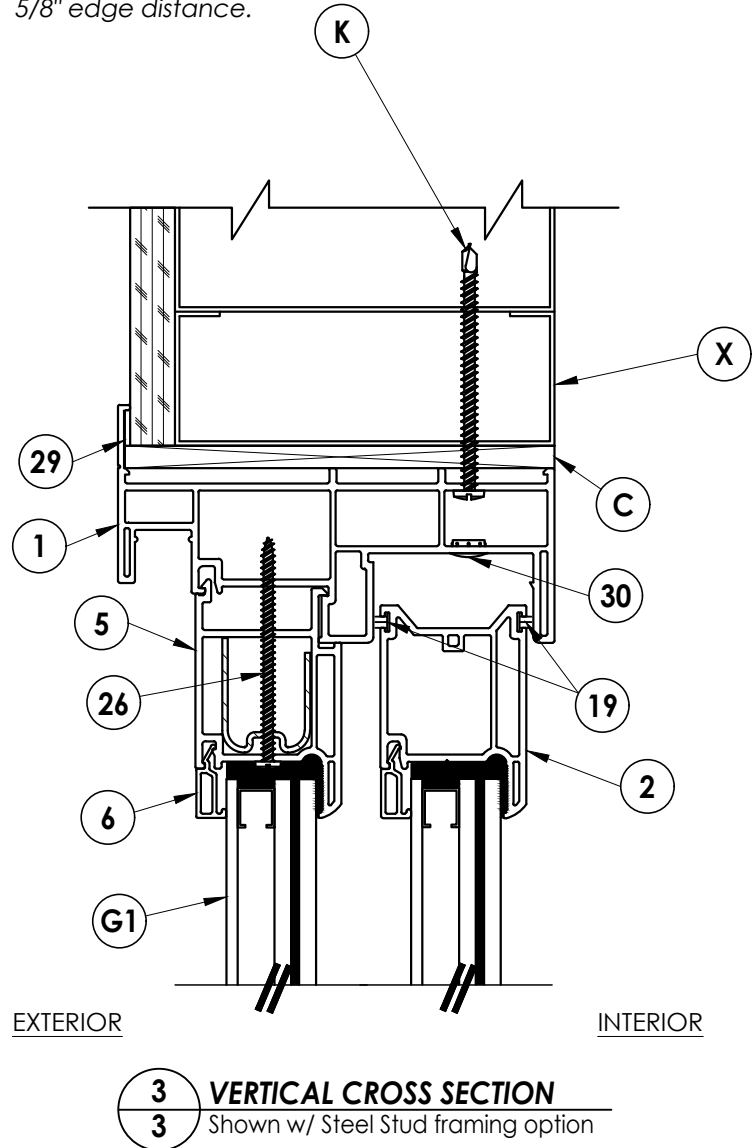
CHK. BY: LFS

DRAWING NO.: FL-12323.18

SHEET 2 OF 5



NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal. Maintain a minimum 5/8" edge distance.



DATE: 3/11/09	
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SHEET 3	OF 5

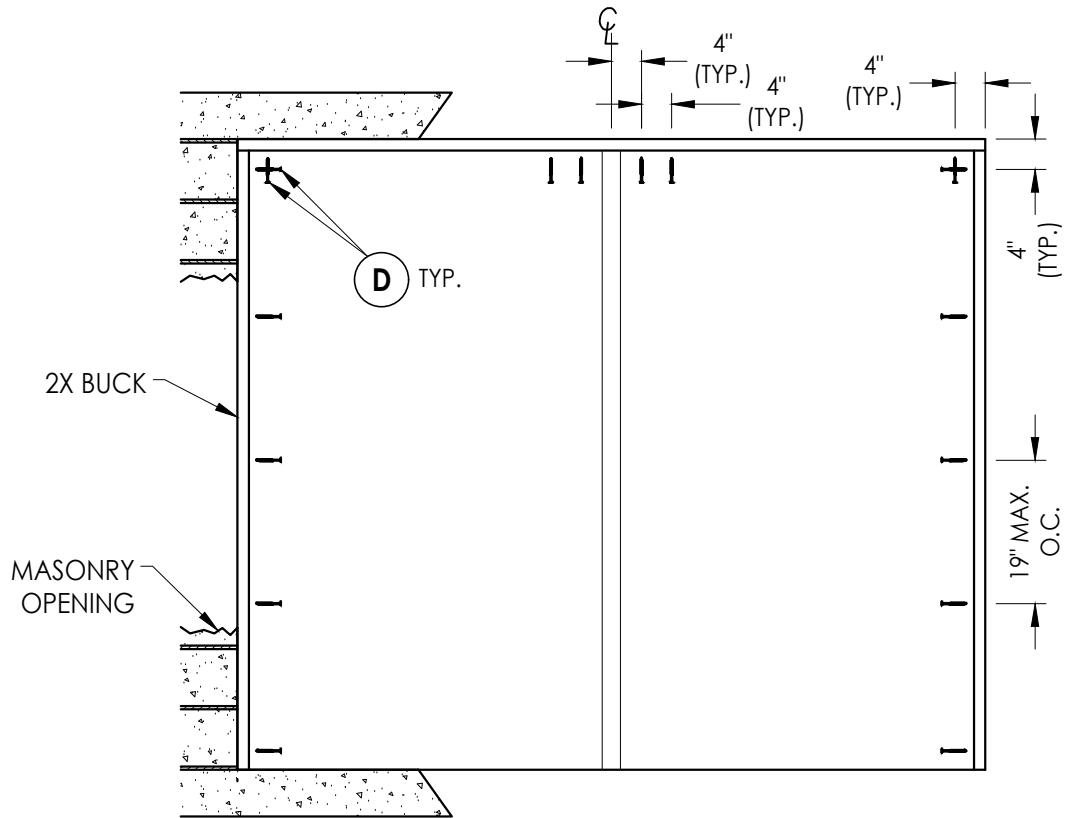
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		BY

PRODUCT:	EXTRUDED VINYL SLIDING PATIO DOORS
	PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS

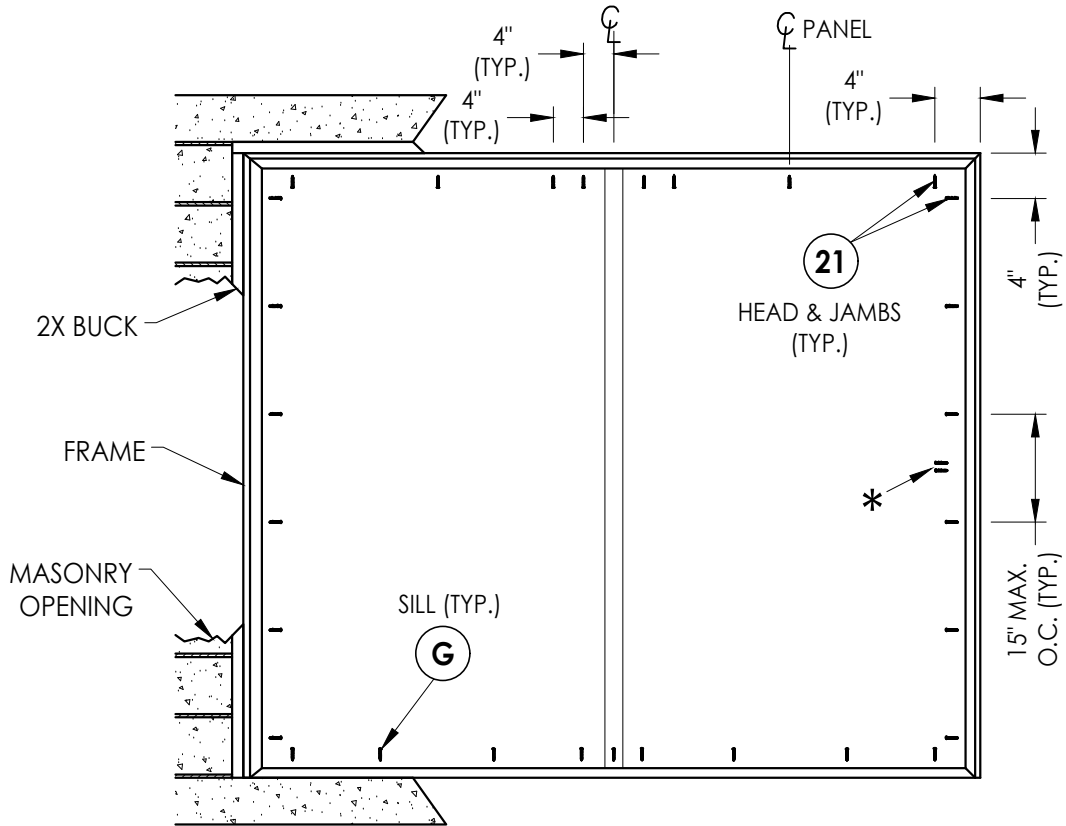
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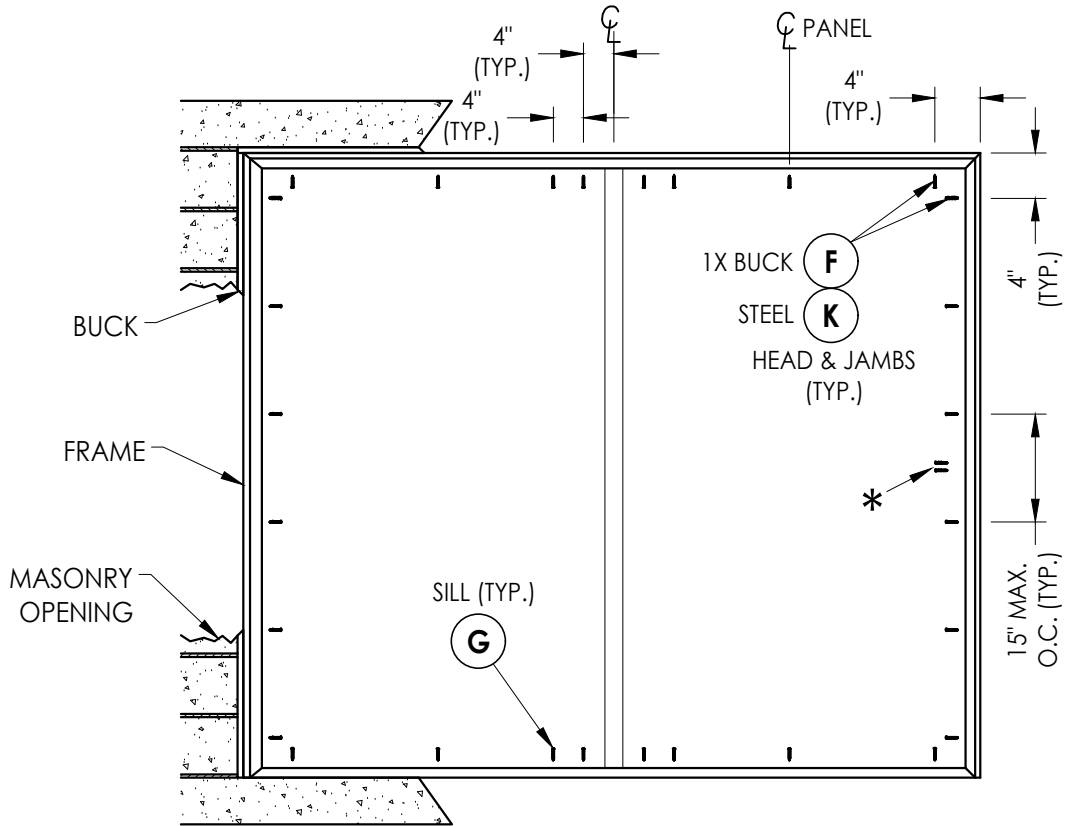
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BUCK ANCHORING



FRAME ANCHORING
2X BUCK



FRAME ANCHORING
1X BUCK

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

- * INSTALL 2 SCREWS THROUGH KEEPER INTO SUBSTRATE AS FOLLOWS:
- WOOD : #10 PH SMS (1.5" MIN. EMBEDMENT)
 - STEEL: #10 PH SMS (3 THREADS MIN. THROUGH STEEL)
 - CONCRETE: 3/16" Ø DeWALT ULTRA-CON+ (1.25" MIN. EMBEDMENT)

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 ULTRA-CON+®	1/4"	1-1/4"	1"	4"
DeWALT ULTRA-CON+®	3/16"	1-1/4"	2-1/2"	1-1/8"

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: EXTRUDED VINYL
SLIDING PATIO DOORS

PART OR ASSEMBLY:
BUCK & FRAME
ANCHORING

NO.	DATE	REVISIONS
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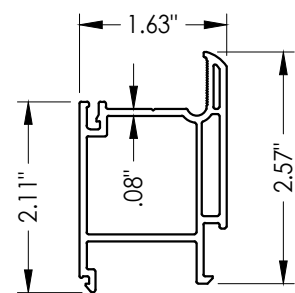
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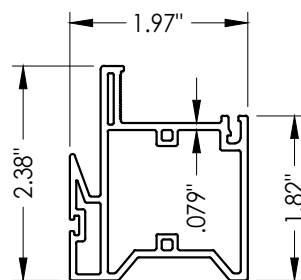
SHEET 4 OF 5

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG ≥ 0.55	WOOD
B	2X BUCK (SG ≥ 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH 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	1/4" X 2-3/4" HWH DeWALT OR ITW CONCRETE SCREW	WOOD
G	1/4" X 1-3/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	EXTRUDED VINYL HEAD / SILL & JAMB / FRAME (#PD1201)	* RIGID PVC
2	EXTRUDED VINYL STILE / RAIL SASH (#PD25)	* RIGID PVC
3	EXTRUDED VINYL SASH INTERLOCK (#PD24)	* RIGID PVC
4	EXTRUDED VINYL FIXED INTERLOCK (#PD34)	* RIGID PVC
5	EXTRUDED VINYL EQUAL GLASS ADAPTOR (#PD39)	* RIGID PVC
6	EXTRUDED VINYL 1" GLAZING BEAD (#BV22)	* RIGID PVC
7	STEEL GLAZING SPACER	STEEL
8	ALUMINUM SILL TRACK (#PD22)	ALUMINUM
10	JAMB STILE (PD25) REINFORCEMENT ROLL FORMED STEEL (#RFPD03SOM)	STEEL
11	SASH INTERLOCK (PD24) REINFORCEMENT ROLL FORMED STEEL (#RFPD24SOM)	STEEL
12	FIXED INTERLOCK (PD34) REINFORCEMENT ROLL FORMED STEEL (#RFPD34SOM)	STEEL
13	SLIDING PATIO DOOR HANDLE SET #684 BY SASH CONTROLS	-
14	TANDEM ROLLER ASSEMBLY BY ULTRA #64266	STEEL
15	#10 X 1-1/4" PFH (MORTISE LOCK) SCREWS BY SASH CONTROLS	STEEL
18	PURFECT GLAZE 34-937A SEALANT BY NATIONAL ADHESIVES	SEALANT
19	WEATHERPILE .187" x .270" BY AMESBURY	-
21	#10 X 2" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
25	#8 X 3/4" PFH SELF-DRILLING SCREWS	STEEL
26	#8 X 2-1/2" PPH SMS (EQ. GLS. ADAPTOR) SCREWS BY MERCHANTS	STEEL
28	EXTRUDED VINYL SCREEN TRACK (#PDT58)	* RIGID PVC
29	SILICONE SEALANT (NOVAFLEX) BY NOVAGUARD	SILICONE
30	HOLE PLUGS BY ASHLAND (I 3034)	PLASTIC

* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".

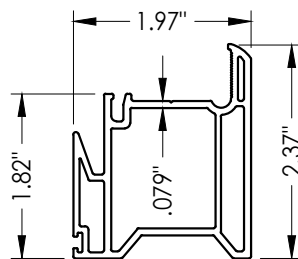


5 **EQUAL GLASS ADAPTOR**
Extruded vinyl

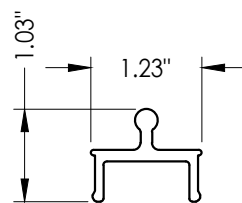


4 **FIXED INTERLOCK**

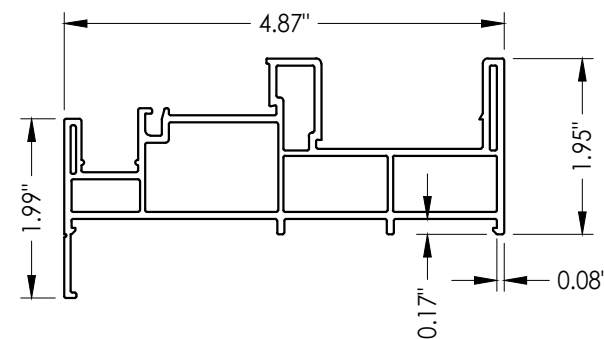
Extruded vinyl



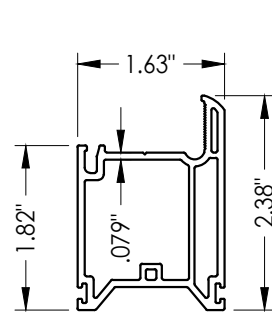
3 SASH INTERLOCK
Extruded vinyl



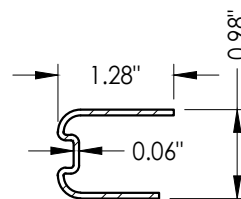
28 **SCREEN TRACK**
Extruded vinyl



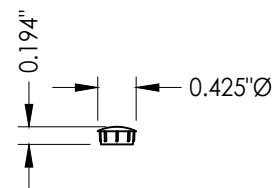
1 HEAD / SILL / JAMB
Extruded vinyl



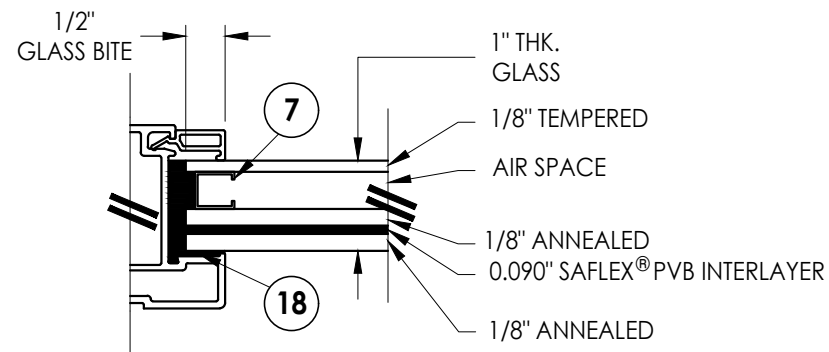
2 **STILE / RAIL**
Extruded vinyl



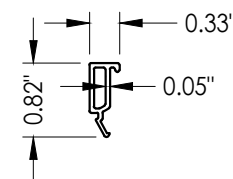
10 **M JAMB STILE (PD25)**
Reinforcement
Roll formed steel



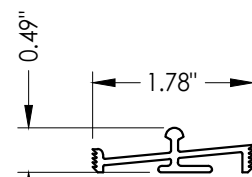
30 HOLE PLUG



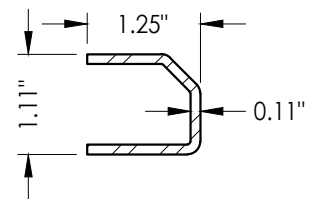
G1 GLAZING DETAIL



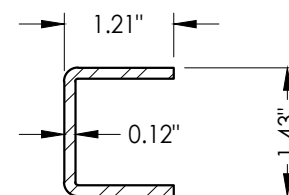
6 GLAZING BEAD
Extruded vinyl



8 SILL TRACK
Extruded aluminum



11 SASH INTERLOCK (PD24)
Roll formed steel



12 **FIXED INTERLOCK (PD34)**
Roll formed steel

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PRODUCT: **EXTRUDED VINYL
SLIDING PATIO DOORS**

PART OR ASSEMBLY:
**BILL OF MATERIALS, GLAZING
DETAIL & COMPONENTS**

[illegible]

DATE: 3/11/09

SCALE: *N.T.S.*

DWG. BY: AL

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FL-12323.18

SHEET 5 OF 5

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