

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED TO ADD CORROSION CHART	09/28/26	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1–1/2” UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER’S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
4. WHERE WOOD BUCK THICKNESS IS 1–1/2” OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER’S PUBLISHED INSTALLATION INSTRUCTIONS.
5. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
6. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS NEEDED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16” OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4”.
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: EXTRUDED RIGID PVC.
11. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER’S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
- 17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
- 17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
- 17.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
- 17.4. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM

SIGNED: 09/28/2026

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PROVIA DOOR, INC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

PRESTIGE SLIDING PATIO DOOR
NON-IMPACT
NOTES

DRAWN:
TJH

DWG NO.
08-00670D

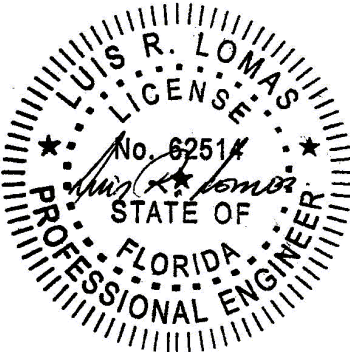
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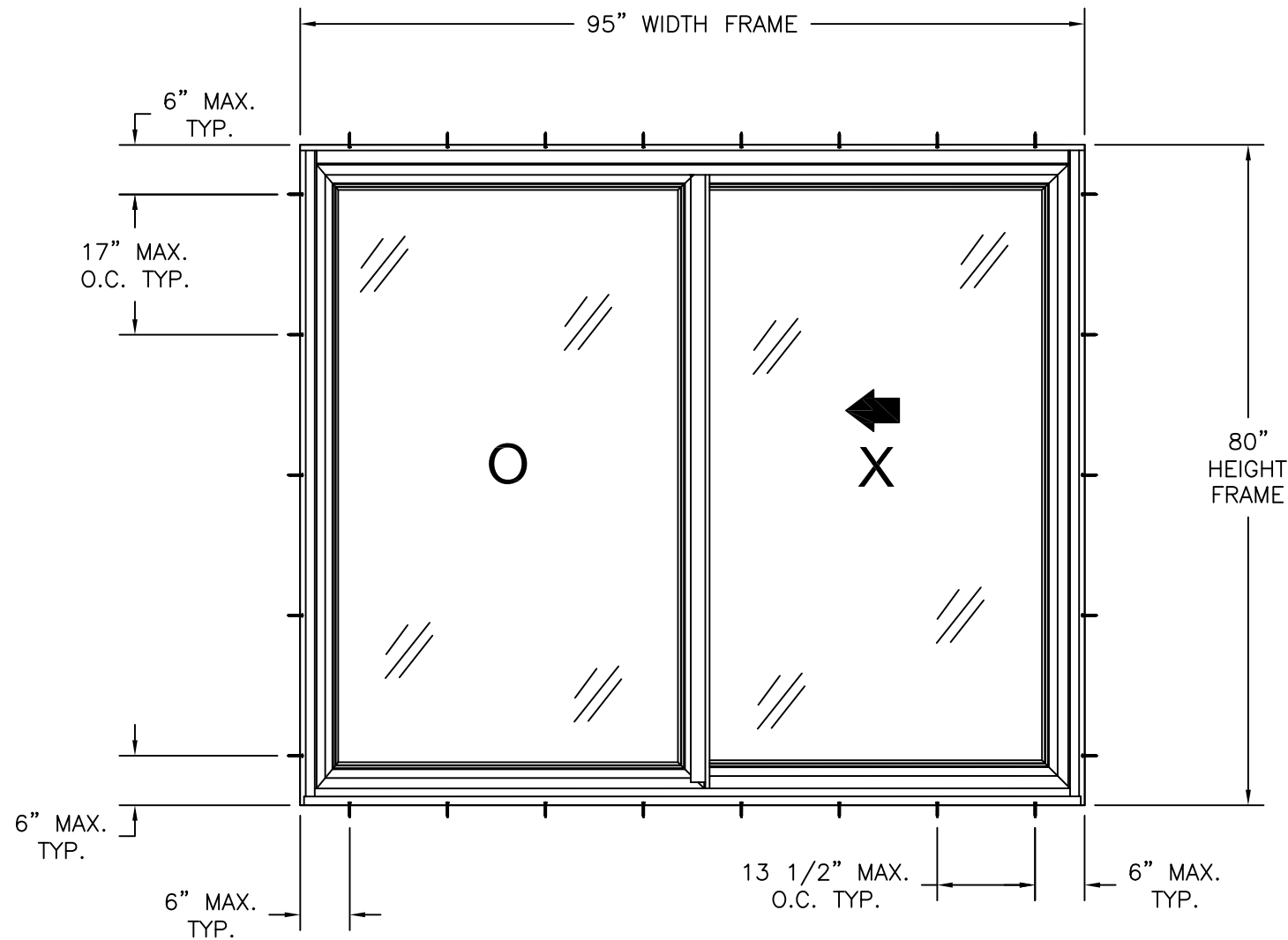
SHEET 1 OF 7

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434-688-0609 rllomas@lrlomaspe.com



Luis R. Lomas P.E.
FL No.: 62514

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- NOTES:
- PANEL SIZE: 47 5/8" X 75 5/8"
 - D.L.O. SIZE: 41 1/8" X 69 3/8"

Anchors and anchor connectors corrosion resistance chart		
Exposure	Distance from coastal shoreline	
	0' up to 300'	>300' up to 3000'
Exterior - partially sheltered	304 or A305 or 306 Stainless steel per ASTM A240	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Exterior - open exposed	304 or A305 or 306 Stainless steel per ASTM A240	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Unconditioned interior-vented enclosed	Galvanized per ASTM A153 class D or ASTM A641 class 3S	Galvanized per ASTM A153 class D or ASTM A641 class 3S
Unconditioned interior-unvented enclosed	Galvanized per ASTM A153 class D or ASTM A641 class 3S	Galvanized per ASTM A153 class D or ASTM A641 class 3S

PRESTIGE SLIDING PATIO DOOR
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±40.0PSF	NONE

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ELEVATION

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2 OF 7

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LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.
FL No.: 62514

PARTS LIST										REVISIONS			
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL						REV	DESCRIPTION	DATE	APPROVED
1	9619	#8X2 3/4"FH QUADREX WOOD SCREW	P.H. TECH	STAINLESS STEEL						D	REVISED TO ADD CORROSION CHART	09/28/26	R.L.
2	9853	INSECT STOP 1" x 1" x 3/4"	P.H. TECH										
3	703	HEAD WEATHERSTRIP	P.H. TECH		PARTS LIST								
4	8940	SASH STOPPER	P.H. TECH	PVC	NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL				
5	8941	#8X1 1/4" PH QUADREX SCREW	P.H. TECH	STAINLESS STEEL	40	9598	SASH REINFORCEMENT	P.H TECH	G-90 GALV. STEEL				
6	7003	FIXED SASH ANCHOR BLOCK	P.H. TECH	PVC	41	7587-M	MOBILE SIDE STILE	P.H. TECH	PVC				
7	9876	#8X7/8" PH QUADREX SCREW	P.H. TECH	STAINLESS STEEL	42	PB-8420-270	WEATHERSTRIP	SCHLEGEL					
8	723	SILL DUST COVER	P.H. TECH	PVC	43	7042	JAMB COVER (OPTION)	P.H. TECH	PVC				
9	701	FIXED SASH SUPPORT	P.H. TECH	PVC	44		SCREEN	P.H TECH					
10	PBAB-8445-270	INSECT STOP	SCHLEGEL		45		HANDLE	P.H TECH					
11	9823	1/16" X 3/8" GLAZING TAPE	P.H. TECH		46		TREMCO SILGLAZE	TREMCO					
12	9991	OUTSIDE SILL CLADDING	P.H. TECH	ALUMINUM 6063-T5									
13	9867	#8X5/8" PH QUADREX TEK SCREW	P.H. TECH	STAINLESS STEEL									
14		GLASS	P.H. TECH										
15	7002	HEAD PROFILE	P.H TECH	PVC									
16	9667	SCREW CAP	P.H. TECH	PVC									
17	HF-7522-270	WEATHERSTRIP	SCHLEGEL										
18	7508-F	FIXED HORIZONTAL RAIL	P.H TECH	PVC									
19	DPAB-1.350X0.437	WEATHERSTRIP	SCHLEGEL										
20	9732	TANDEM WHEEL	P.H. TECH										
21	710-BLM66	SILL WEATHERSTRIP	P.H TECH										
22	9790	SLIDING PANEL RAIL	P.H. TECH	ALUMINUM 6063-T5									
23	7000	SILL	P.H. TECH	PVC									
24	9734	WEEP HOLE PLUG	P.H TECH	PVC									
25	9808	WEEP HOLE COVER	P.H. TECH	PVC									
26	9670/9671	LEFT/RIGHT CAP	P.H. TECH	PVC									
27	7523	SASH COVERING CAP	P.H TECH	PVC									
28	9950-CAPUC	LOCK PLUG	P.H TECH	PVC									
29	9599	CENTER STILE STEEL REINFORCEMENT	P.H TECH	G-90 GALV. STEEL									
30	7506	CENTER STILE	P.H TECH	PVC									
31	7026	INTERLOCK	P.H TECH	PVC									
32	9862/8842	SLIDING CAP	P.H. TECH	PVC									
33	9796	#8 X 5/8" PH QUADREX SCREW	P.H. TECH	STAINLESS STEEL									
34	8933	SETTING BLOCK	P.H. TECH	PVC									
35	5775,5770,5771,5772	GLAZING BEAD	P.H. TECH	PVC									
36	7547-F	FIXED SIDE STILE	P.H TECH	PVC									
37	7508-M	MOBILE HORIZONTAL RAIL	P.H. TECH	PVC									
38	PB-8320-187	WEATHERSTRIP	SCHLEGEL										
39	7004	JAMB PROFILE	P.H. TECH	PVC									

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PRESTIGE SLIDING PATIO DOOR
NON-IMPACT
BILL OF MATERIALS

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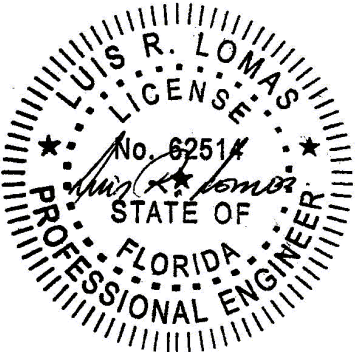
SCALE NTS

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SHEET 3 OF 7

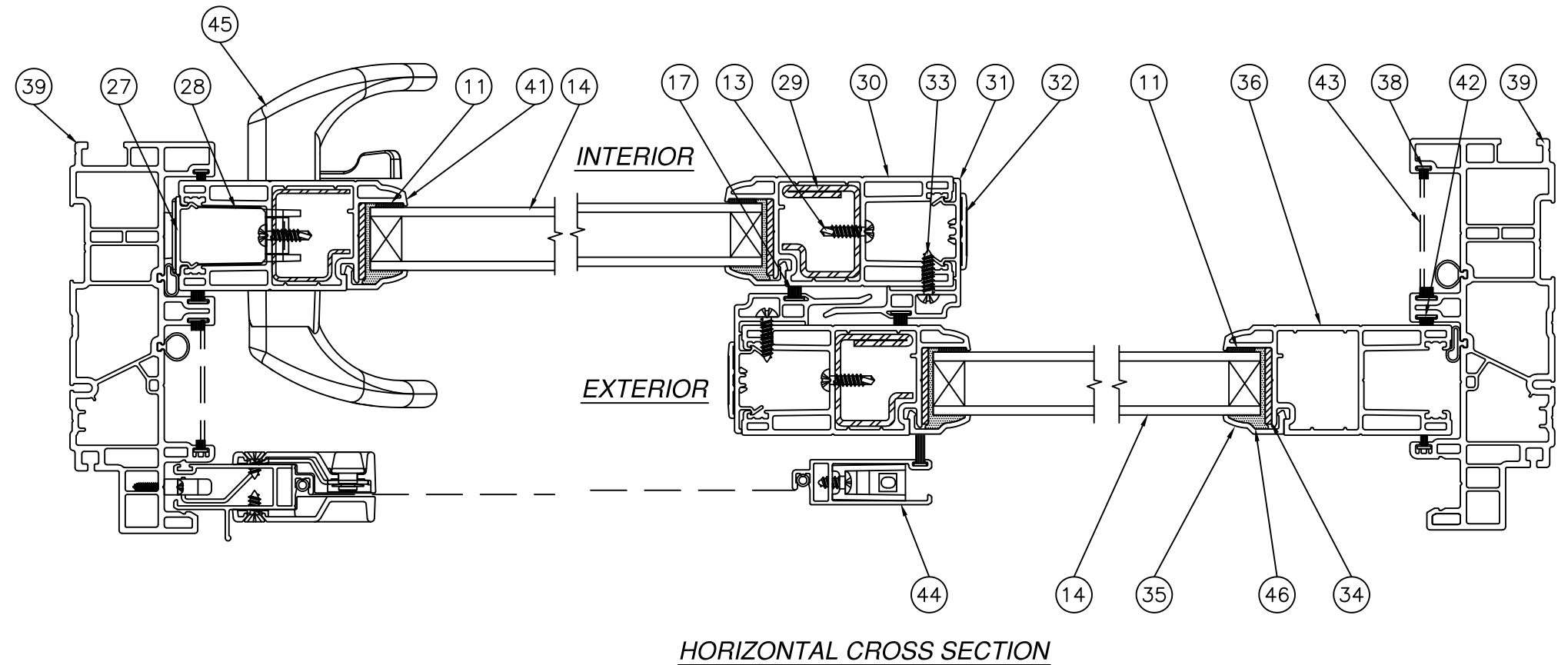
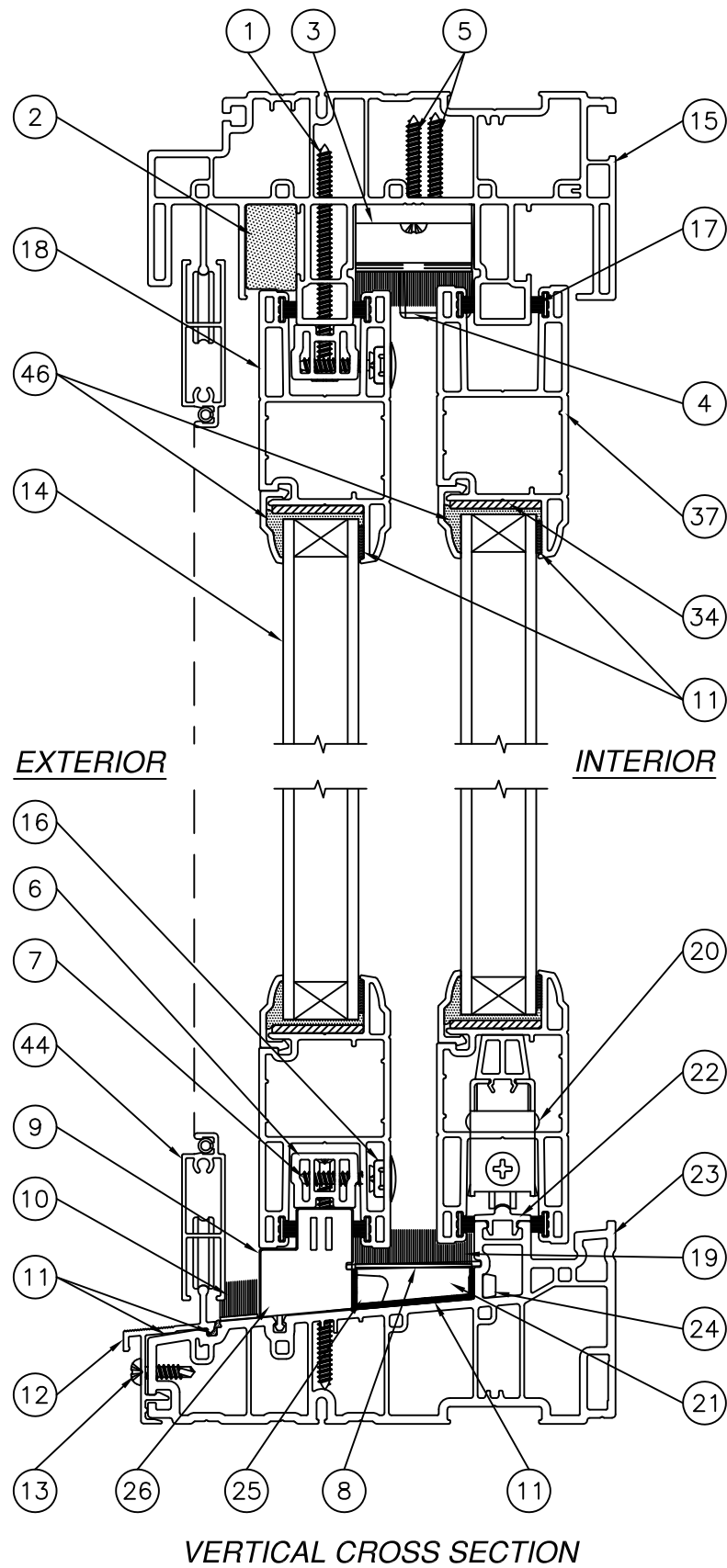
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PRESTIGE SLIDING PATIO DOOR
NON-IMPACT
CROSS SECTIONS

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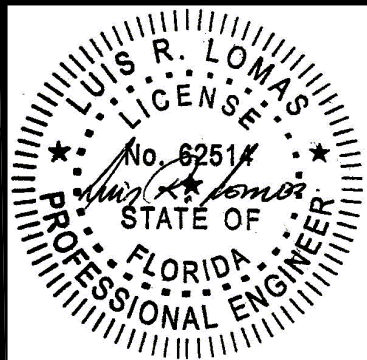
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2X BUCK/WOOD
FRAMING BY OTHERS,
2X BUCK TO BE
PROPERLY SECURED

BACKER ROD
AND APPROVED
SEALANT BY
OTHERS

#10 WOOD
SCREW

EXTERIOR

INTERIOR

BACKER ROD
AND APPROVED
SEALANT BY
OTHERS

1 1/4"
MIN. EMB.

#10 WOOD
SCREW

2X BUCK/WOOD
FRAMING BY OTHERS,
2X BUCK TO BE
PROPERLY SECURED

1/4" MAX.
SHIM

1/2" MIN
EDGE DISTANCE

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

1/2" MIN.
EDGE DISTANCE

1 1/4"
MIN. EMB.

1/4" MAX.
SHIM

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1 1/4"
MIN. EMB.
1/4" MAX.
SHIM

1/2" MIN.
EDGE DISTANCE

#10 WOOD
SCREW

2X BUCK/WOOD
FRAMING BY OTHERS,
2X BUCK TO BE
PROPERLY SECURED

BACKER ROD
AND APPROVED
SEALANT BY
OTHERS

INTERIOR

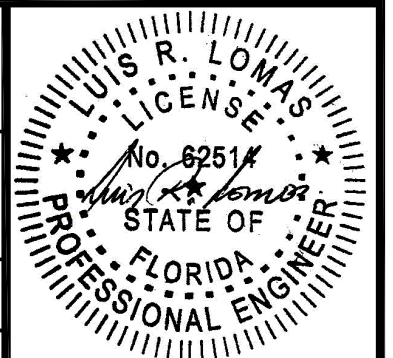
EXTERIOR

JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

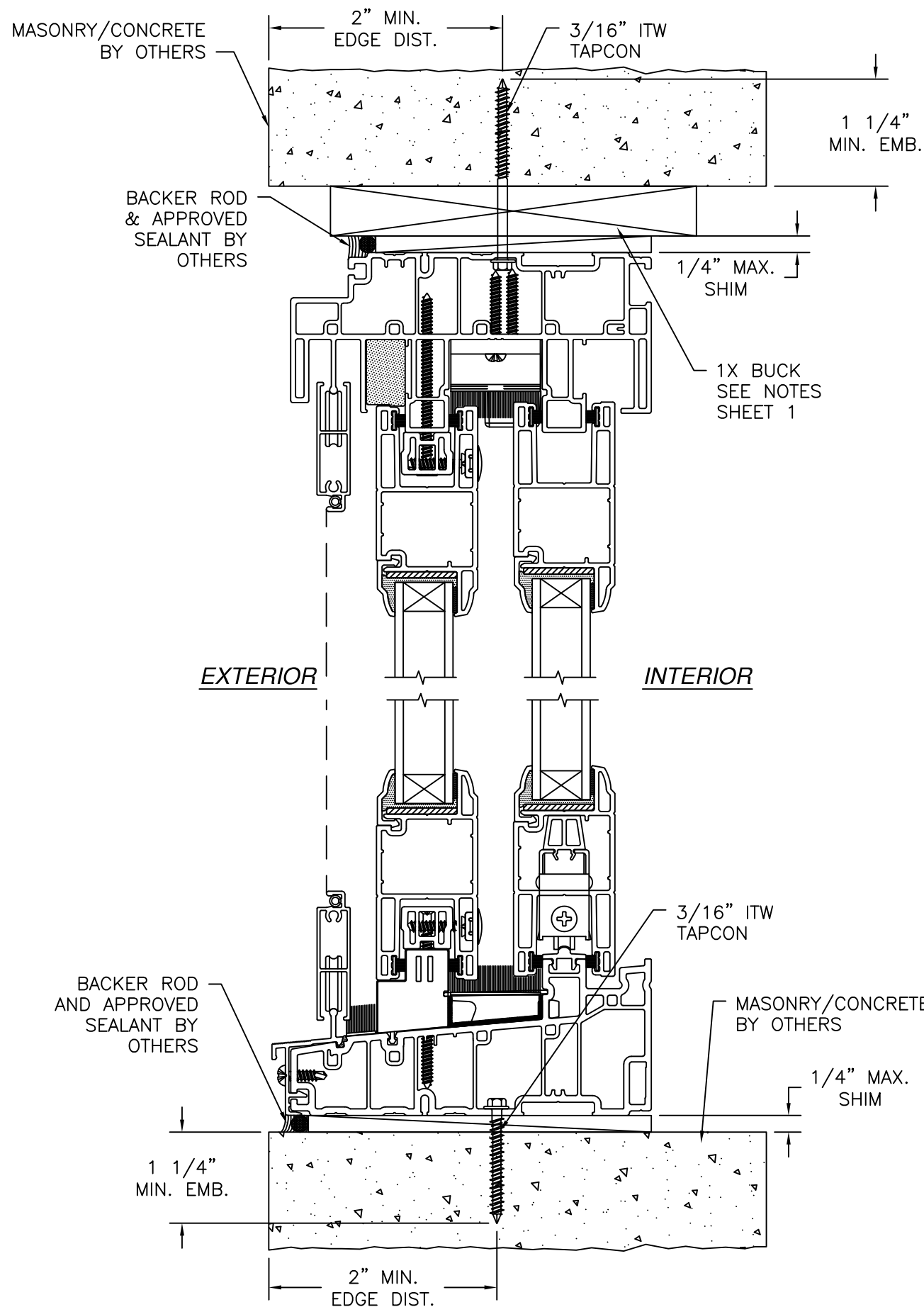
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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PROVIA DOOR, INC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PRESTIGE SLIDING PATIO DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: TJH	DWG NO. 08-00670D	REV D
SCALE NTS	DATE 01/22/09	SHEET 5 OF 7
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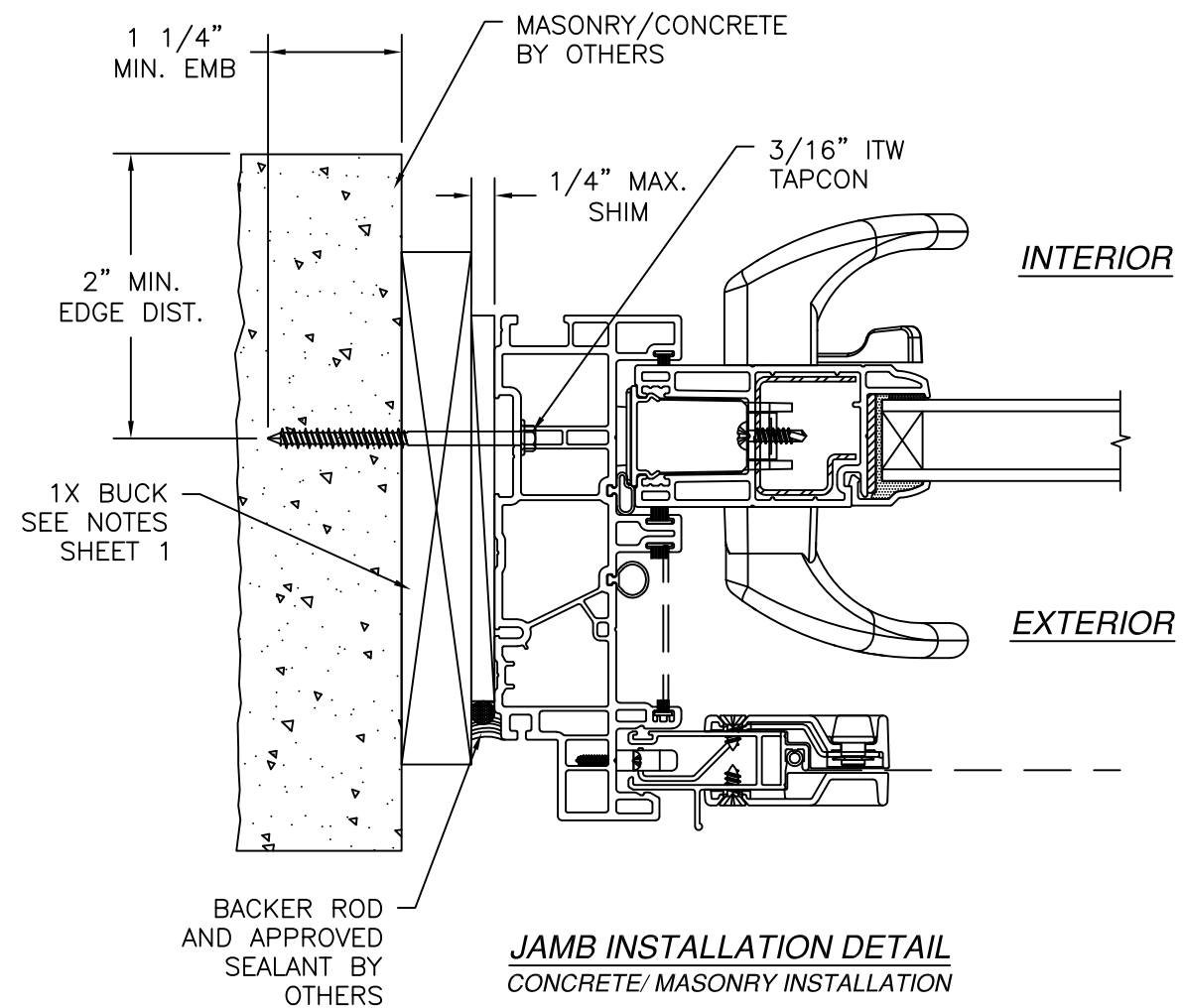


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

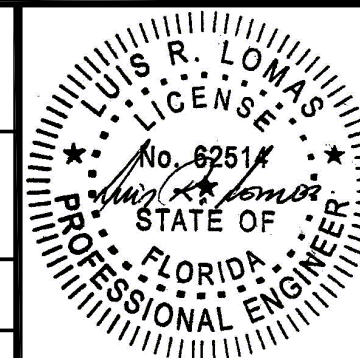
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