

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

NOTES:

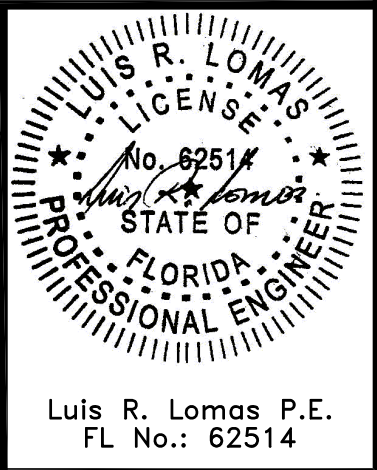
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT 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: RIGID PVC .072" THICK.
11. UNITS MUST BE GLAZED PER ASTM E1300.
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 OR FOR CLIP INSTALLATION 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. FOR CLIP INSTALLATION INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR CLIP INSTALLATION INTO METAL STRUCTURE USE #8 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.
18. ALL FASTENERS TO BE CORROSION RESISTANT.
19. 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:
 - 19.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 19.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 19.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 19.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .048" THICK MINIMUM
20. APPROVED CONFIGURATIONS: XO AND OX.

SIGNED: 09/28/2026

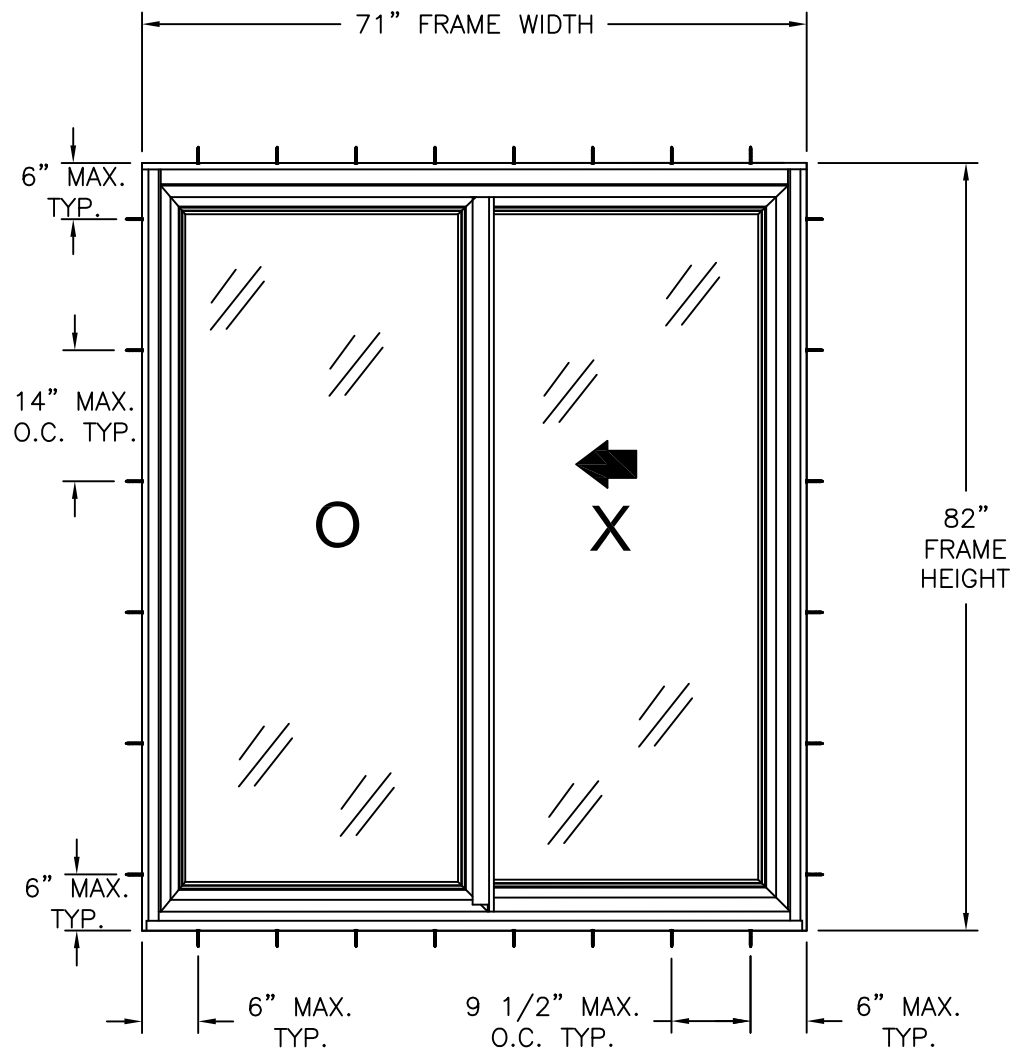
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2	ELEVATIONS
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4	CROSS SECTIONS
5 - 10	INSTALLATION DETAILS

PROVIA DOOR, INC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PRESTIGE VINYL PATIO DOOR NON-IMPACT NOTES		
DRAWN: TJH	DWG NO. 08-01176C	REV C
SCALE NTS	DATE 04/08/11	SHEET 1 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

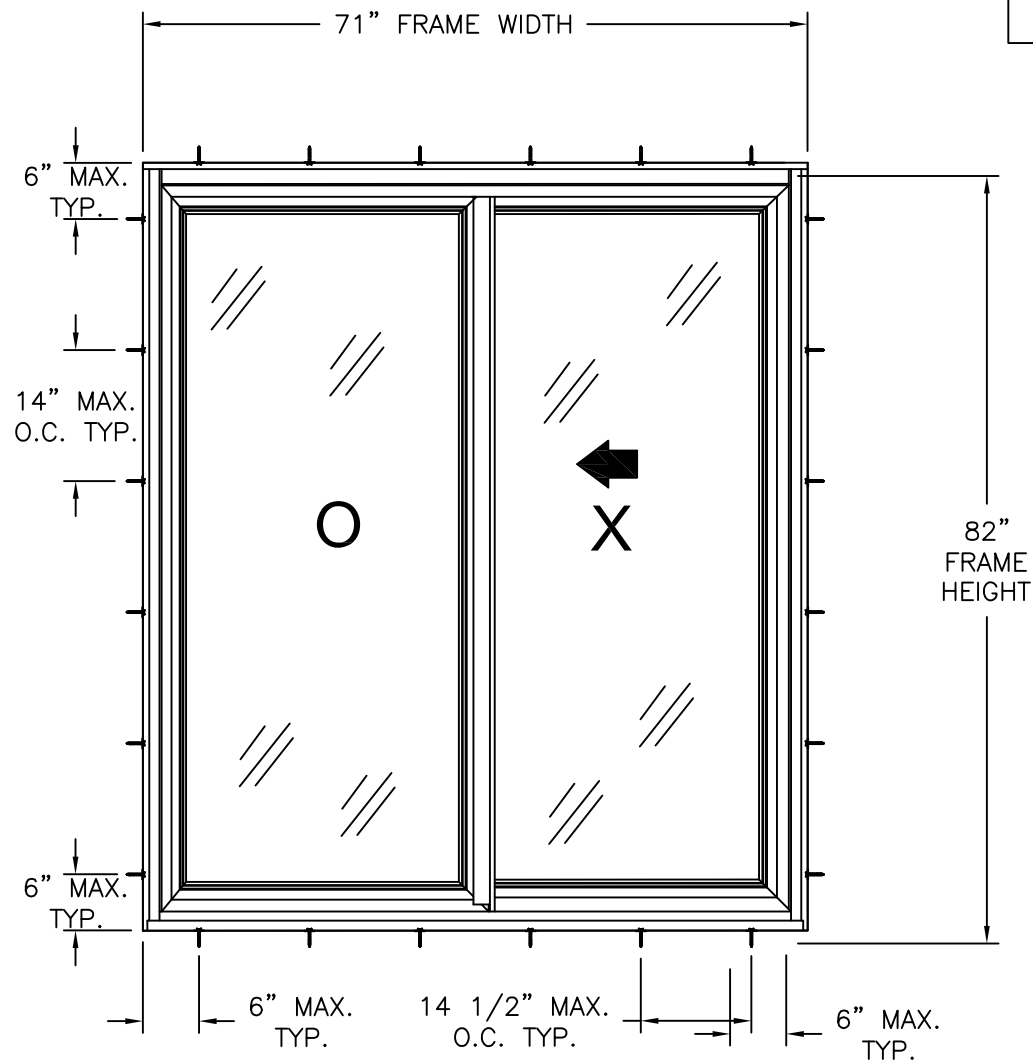


Luis R. Lomas P.E.
FL No.: 62514

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PRESTIGE VINYL PATIO DOOR
THROUGH FRAME INSTALLATION
EXTERIOR VIEW



PRESTIGE VINYL PATIO DOOR
CLIP INSTALLATION
EXTERIOR VIEW

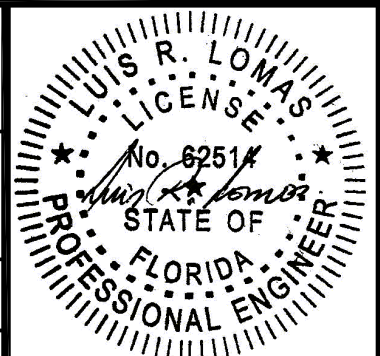
- NOTES:
1. PANEL SIZE: 35 5/8" X 77 5/8"
2. D.L.O. SIZE: 29 1/8" X 71 3/8"

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	NONE

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

PROVIA DOOR, INC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PRESTIGE VINYL PATIO DOOR NON-IMPACT ELEVATIONS		
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SCALE NTS	DATE 04/08/11	SHEET 2 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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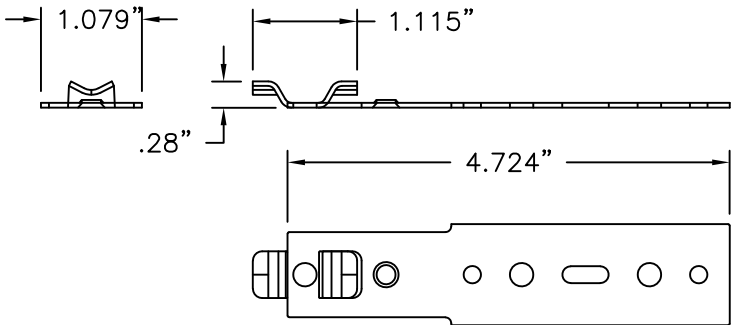


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PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	9619	#8X2 3/4"FH QUADREX WOOD SCREW	P.H. TECH	STAINLESS STEEL
2	9853	INSECT STOP 1" x 1" x 3/4"	P.H. TECH	
3	703	HEAD WEATHERSTRIP	P.H. TECH	
4	8940	SASH STOPPER	P.H. TECH	PVC
5	8941	#8X1 1/4" PH QUADREX SCREW	P.H. TECH	STAINLESS STEEL
6	7003	FIXED SASH ANCHOR BLOCK	P.H. TECH	PVC
7	9876	#8X7/8" PH QUADREX SCREW	P.H. TECH	STAINLESS STEEL
8	723	SILL DUST COVER	P.H. TECH	PVC
9	701	FIXED SASH SUPPORT	P.H. TECH	PVC
10	PBAB-8445-270	INSECT STOP	SCHLEGEL	
11	9823	1/16" X 3/8" GLAZING TAPE	P.H. TECH	
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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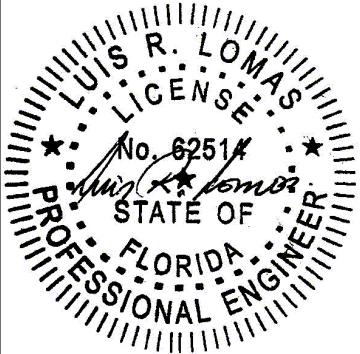
PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
40	9598	SASH REINFORCEMENT	P.H. TECH	G-90 GALV. STEEL
41	7587-M	MOBILE SIDE STILE	P.H. TECH	PVC
42	PB-8420-270	WEATHERSTRIP	SCHLEGEL	
43	7042	JAMB COVER (OPTION)	P.H. TECH	PVC
44		SCREEN	P.H. TECH	
45		HANDLE	P.H. TECH	
46		TREMCO SILGLAZE	TREMCO	
47	9859	ANCHOR CLIP	PH TECH	STAINLESS STEEL
48		#10 x 5/8" QUADREX SS		STAINLESS STEEL



47 ANCHOR CLIP
STAINLESS STEEL .0478" THICK

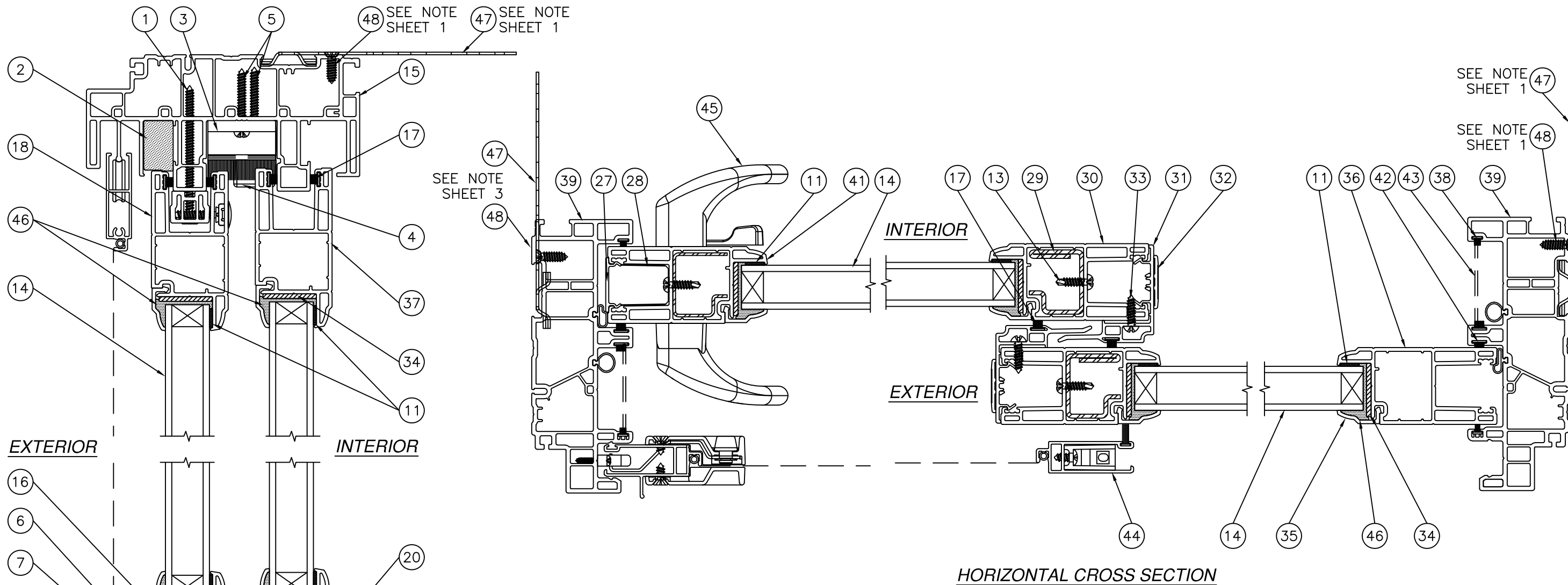
PROVIA DOOR, INC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PRESTIGE VINYL PATIO DOOR NON-IMPACT BILL OF MATERIALS		
DRAWN: TJH	DWG NO. 08-01176C	REV C
SCALE NTS	DATE 04/08/11	SHEET 3 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 09/28/2026



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VERTICAL CROSS SECTION

HORIZONTAL CROSS SECTION

NOTE:
ITEMS #47 AND #48 ARE ONLY USED WHEN CLIP
INSTALLATION METHOD IS APPLIED.

SIGNED: 09/28/2026

PROVIA DOOR, INC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

PRESTIGE VINYL PATIO DOOR
NON-IMPACT
CROSS SECTIONS

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DATE 04/08/11

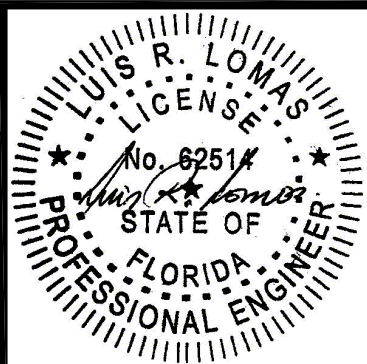
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SHEET 4 OF 10

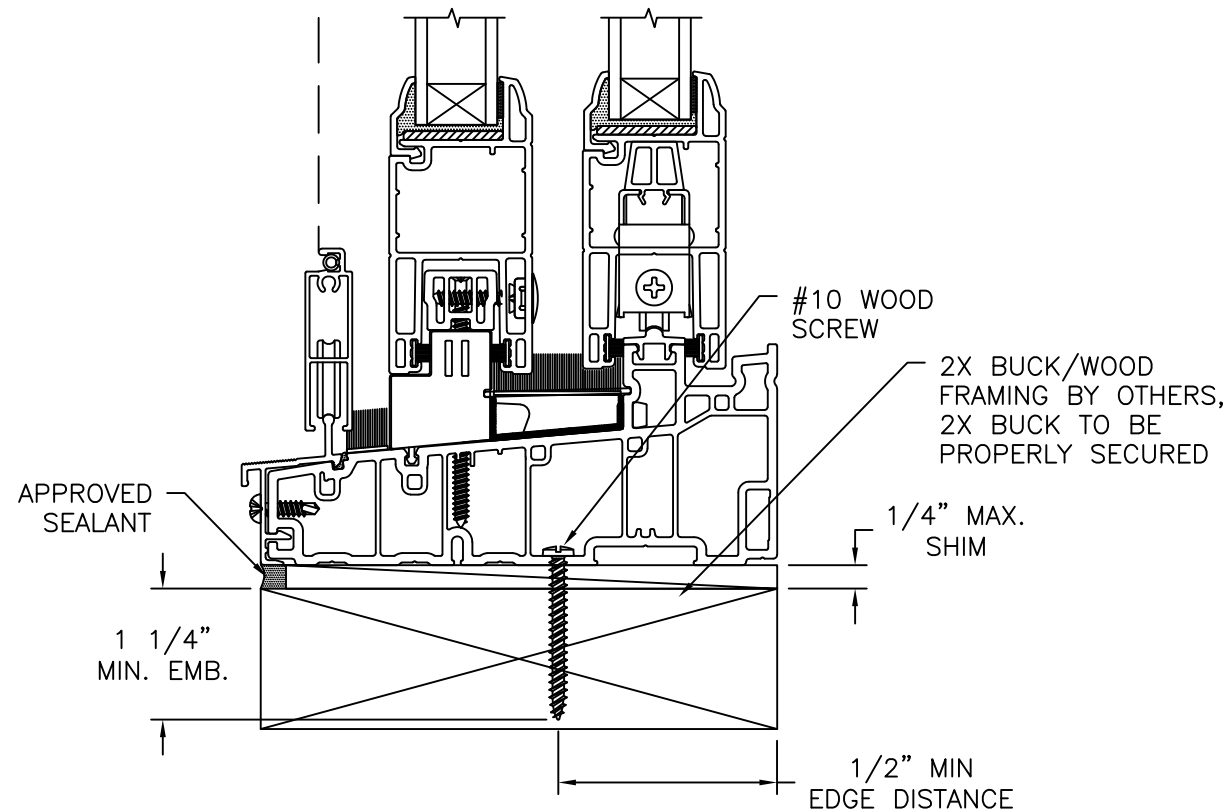
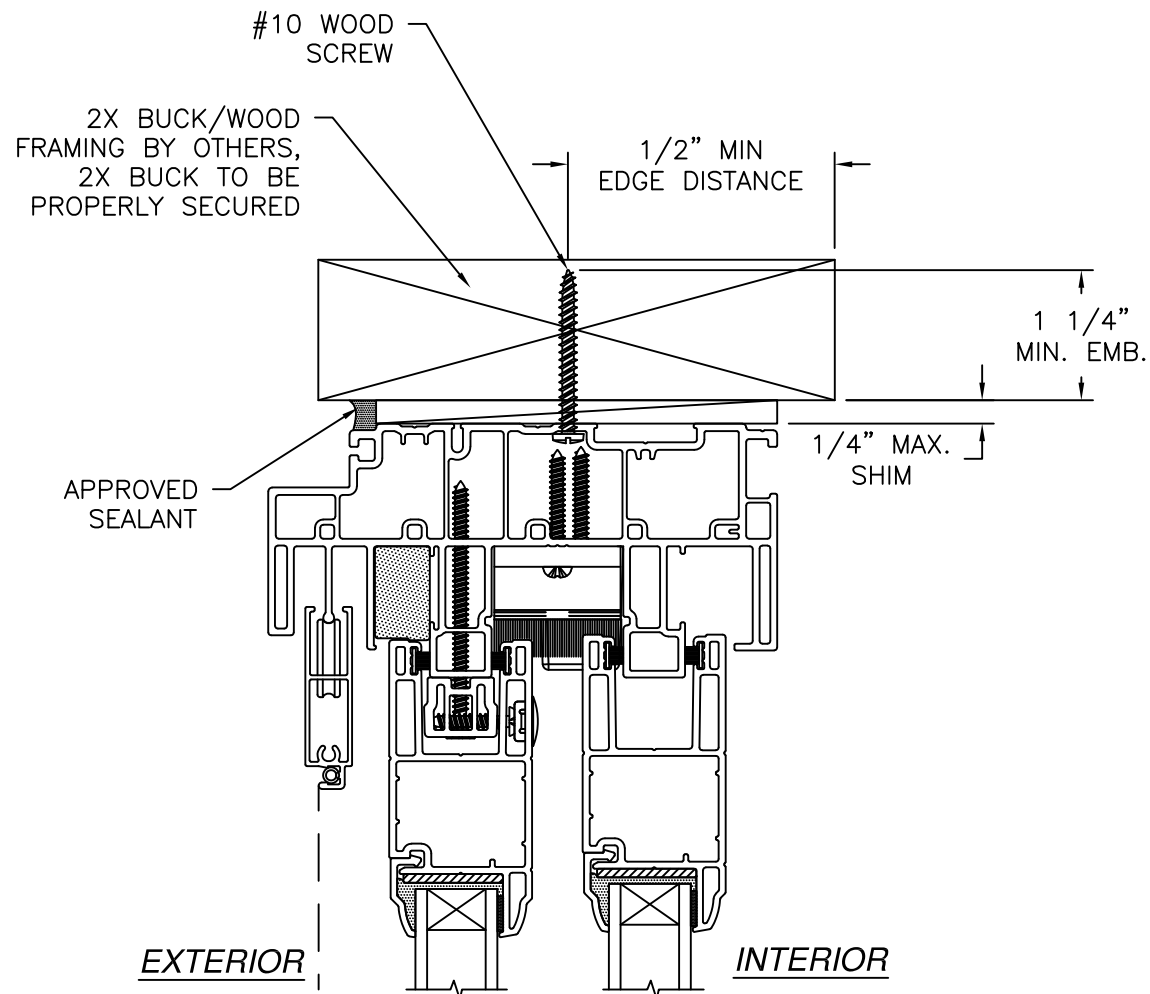
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208 7th Ave, INDIALANTIC, FL 32903

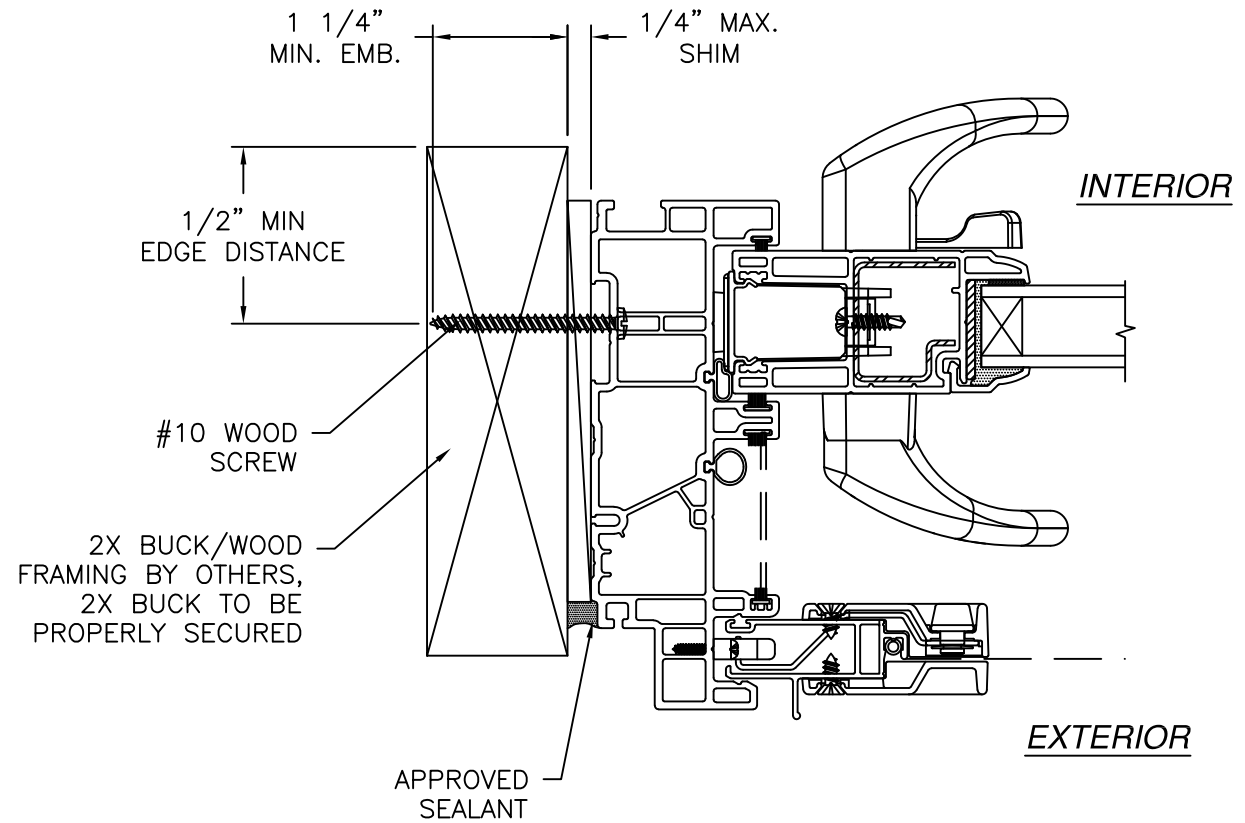
434-688-0609 rllomas@lrlomaspe.com



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



VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING THROUGH FRAME INSTALLATION



HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING THROUGH FRAME 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

PROVIA DOOR, INC.

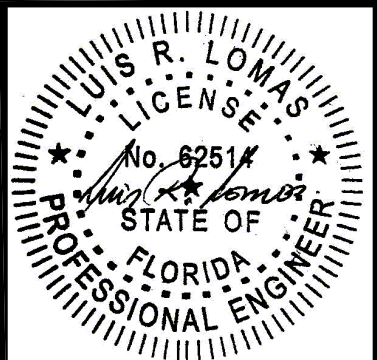
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

PRESTIGE VINYL PATIO DOOR
NON-IMPACT
FRAME INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-01176C	REV C
SCALE NTS	DATE 04/08/11	SHEET 5 OF 10

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
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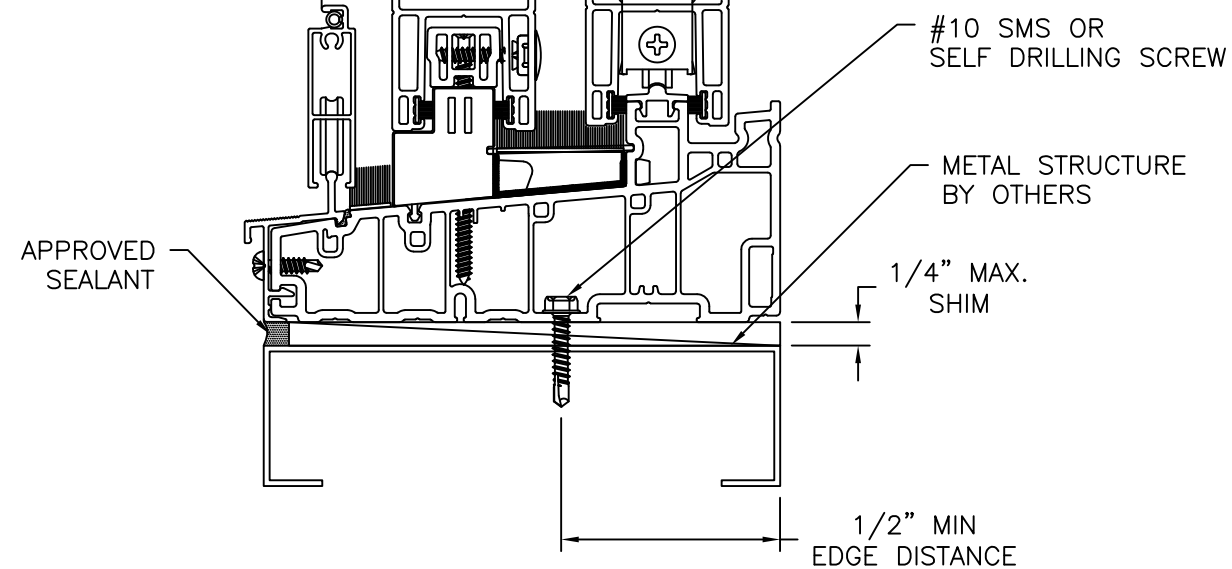
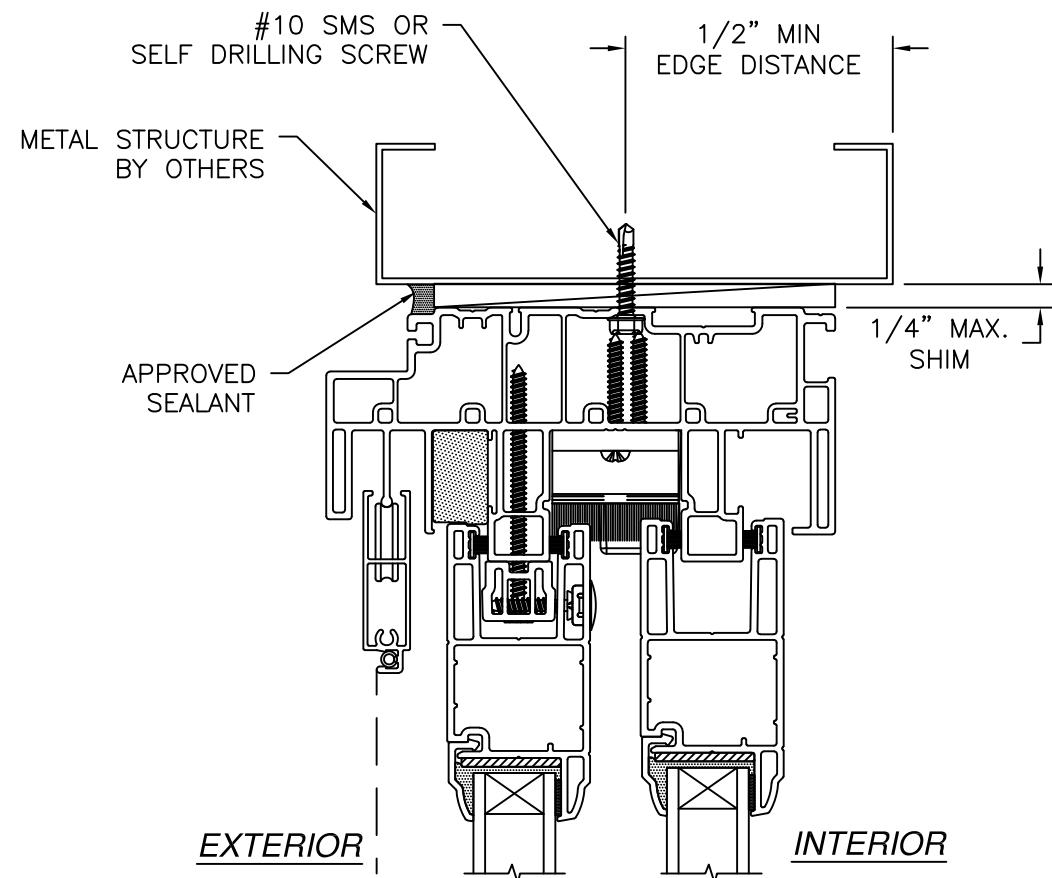
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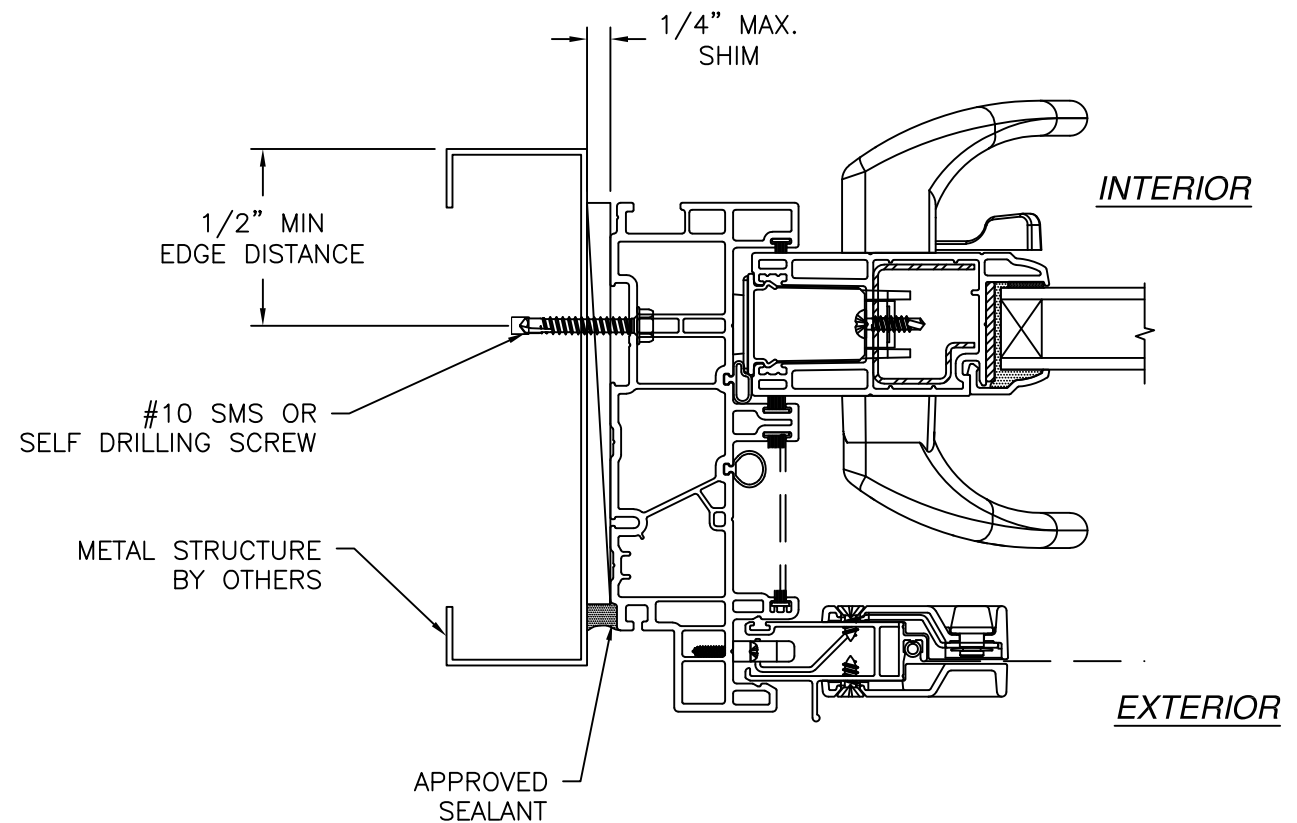
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VERTICAL CROSS SECTION
METAL STRUCTURE THROUGH FRAME INSTALLATION



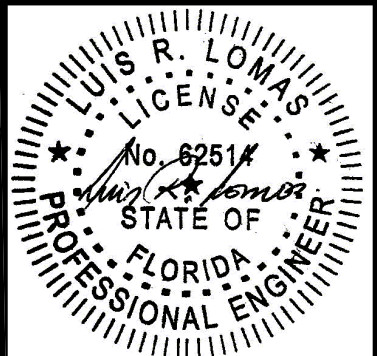
HORIZONTAL CROSS SECTION
METAL STRUCTURE THROUGH FRAME INSTALLATION

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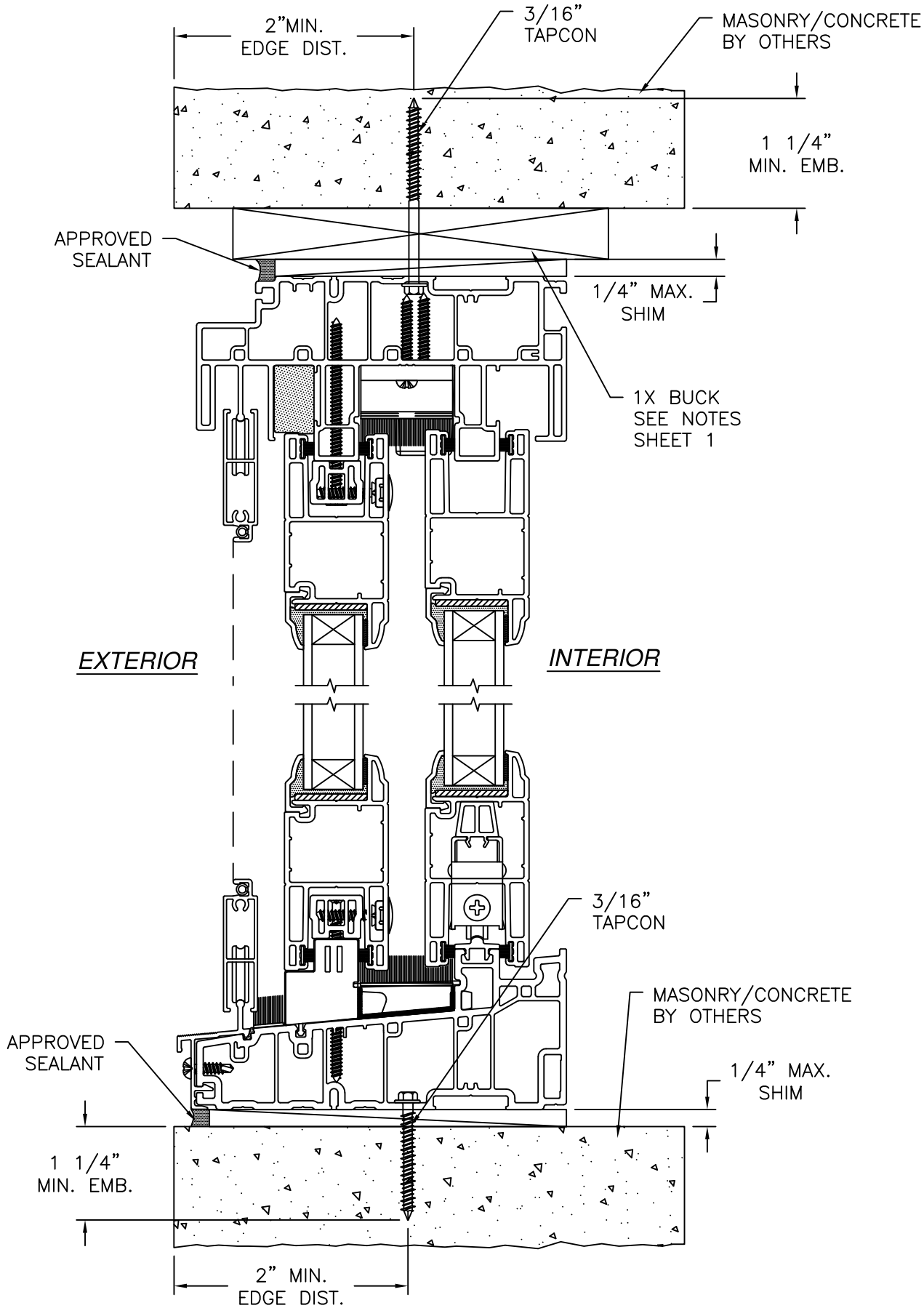
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PROVIA DOOR, INC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PRESTIGE VINYL PATIO DOOR NON-IMPACT FRAME INSTALLATION DETAILS		
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SCALE NTS	DATE 04/08/11	SHEET 6 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

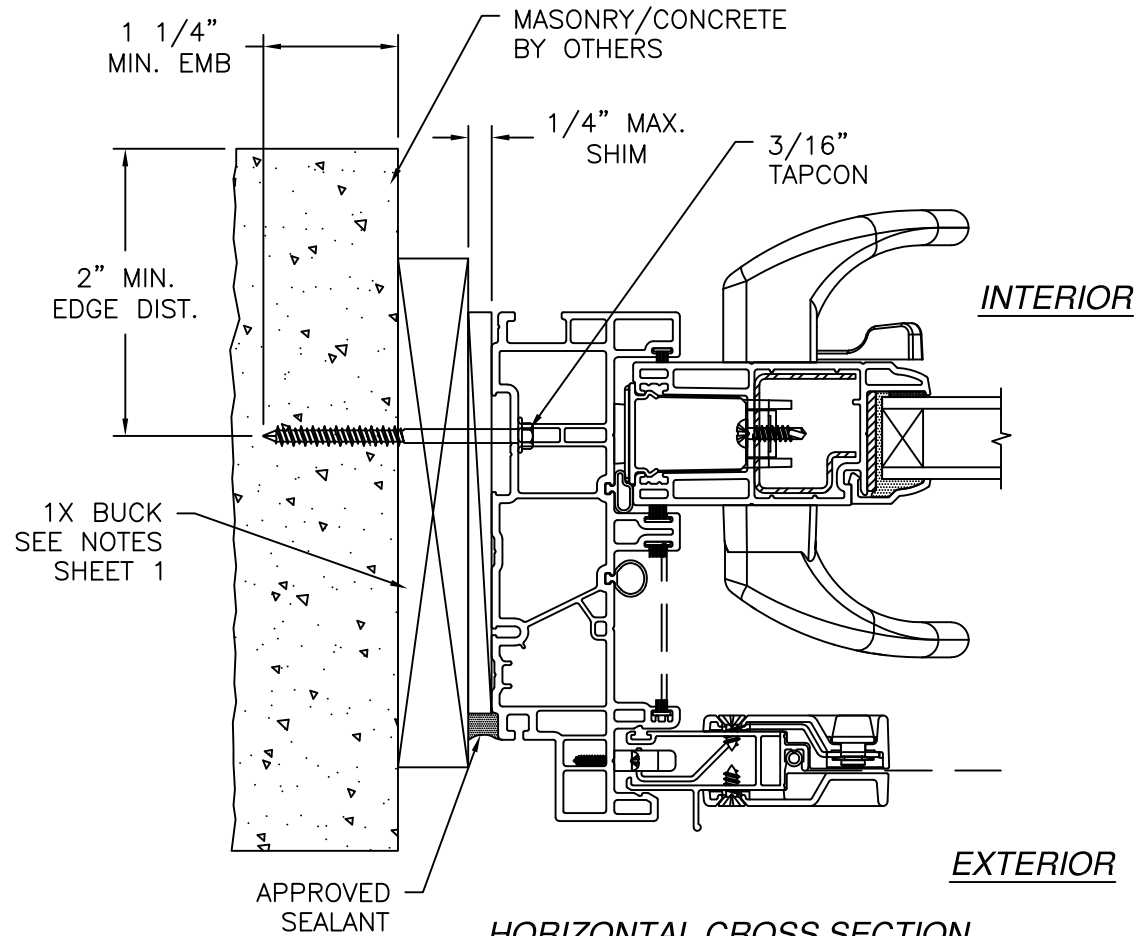


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VERTICAL CROSS SECTION
MASONRY/CONCRETE THROUGH FRAME INSTALLATION



HORIZONTAL CROSS SECTION
MASONRY/CONCRETE THROUGH FRAME 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 VINYL PATIO DOOR
NON-IMPACT
FRAME INSTALLATION DETAILS

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08-01176C

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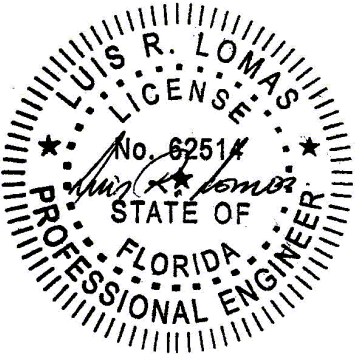
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SHEET 7 OF 10

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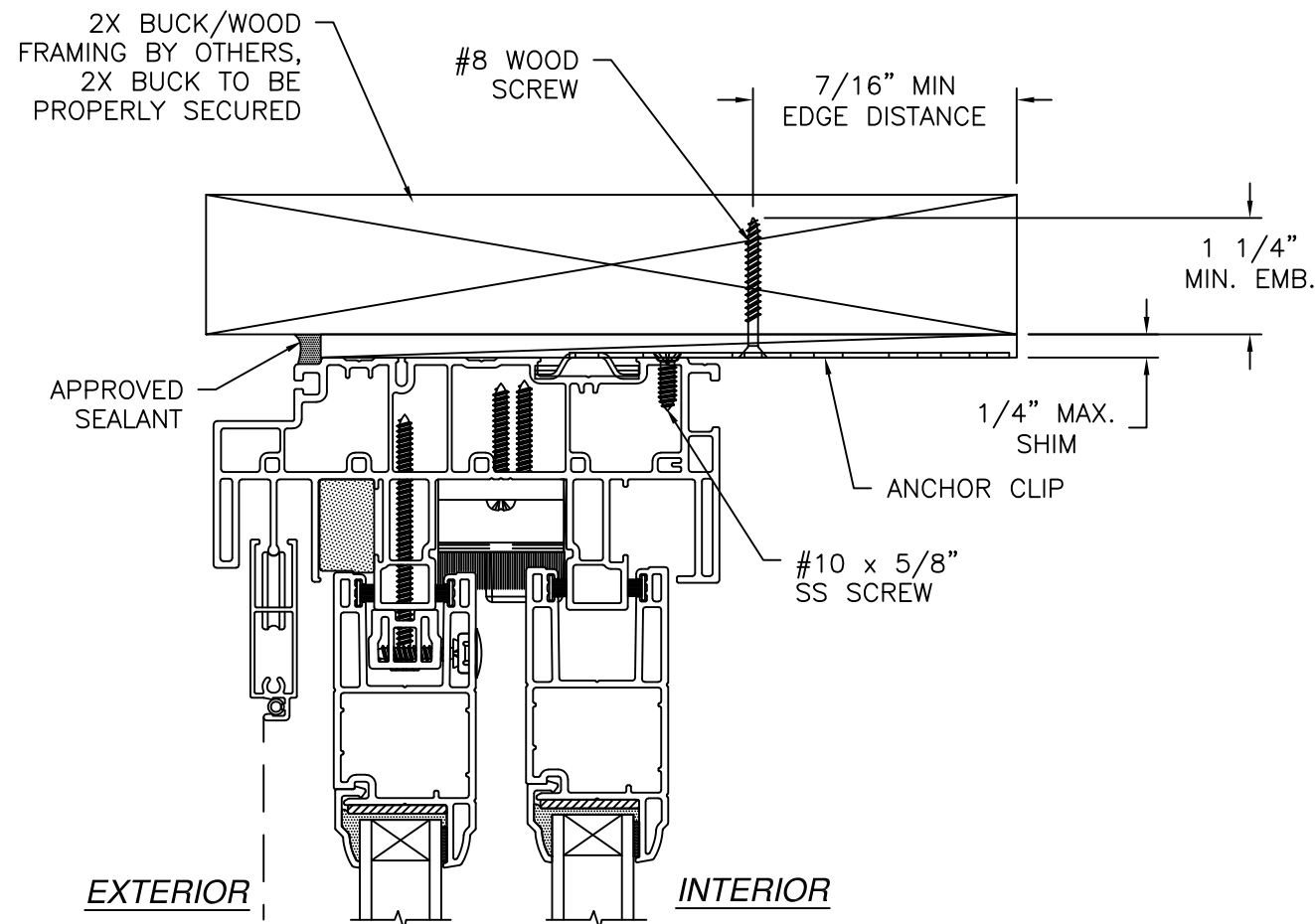
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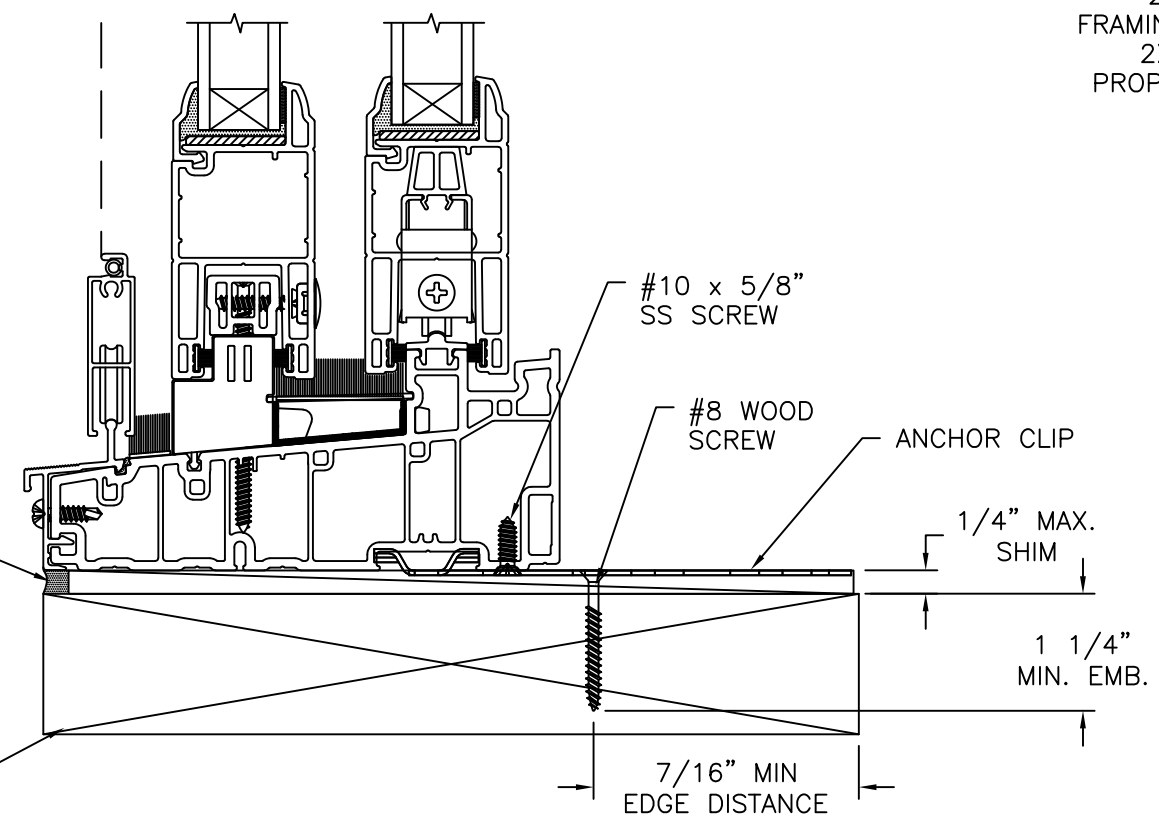
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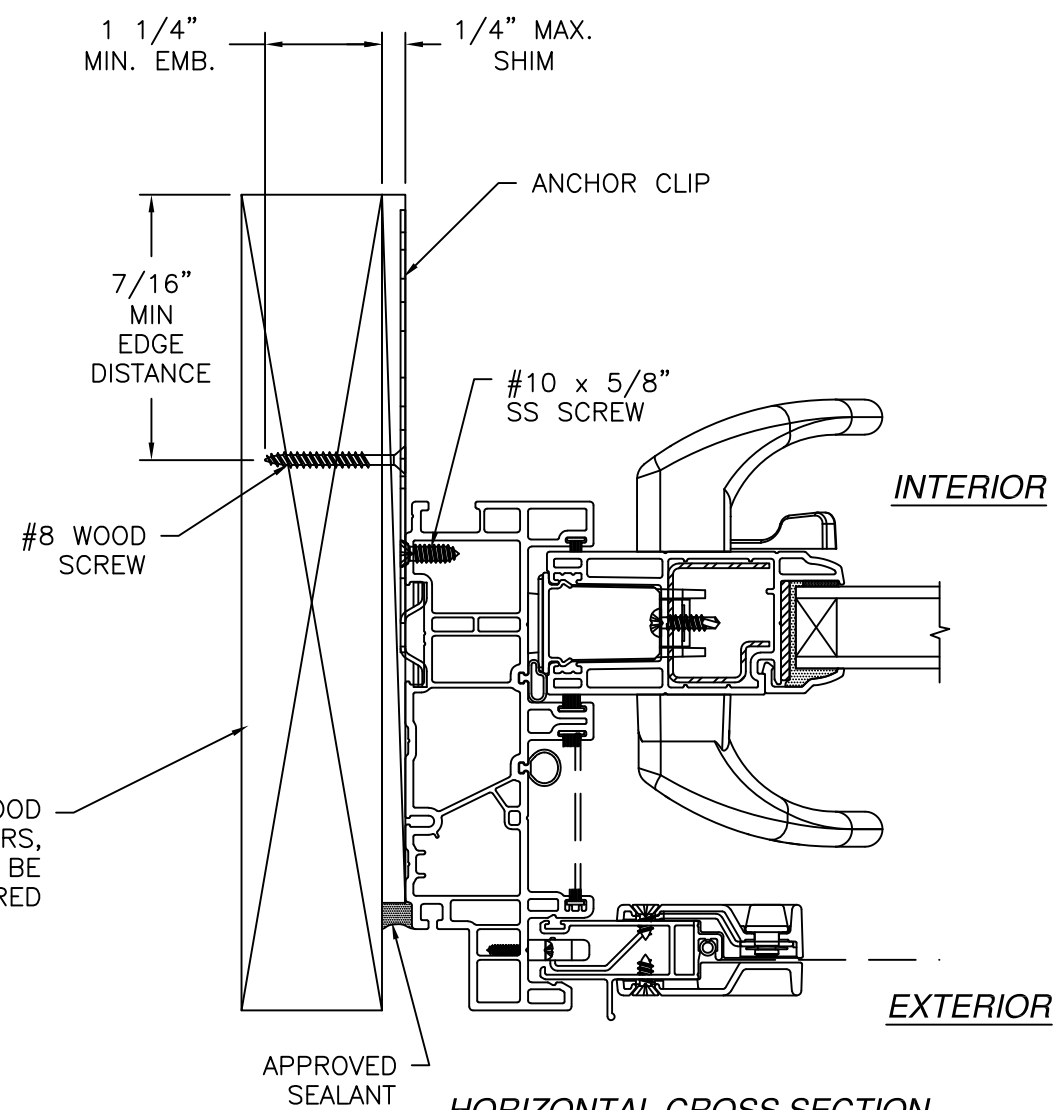


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING CLIP INSTALLATION



HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING CLIP INSTALLATION

- NOTES:
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PROVIA DOOR, INC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

PRESTIGE VINYL PATIO DOOR
NON-IMPACT

CLIP INSTALLATION DETAILS

DRAWN: TJH

DWG NO. 08-01176C

REV C

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SHEET 8 OF 10

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS

LICENSE

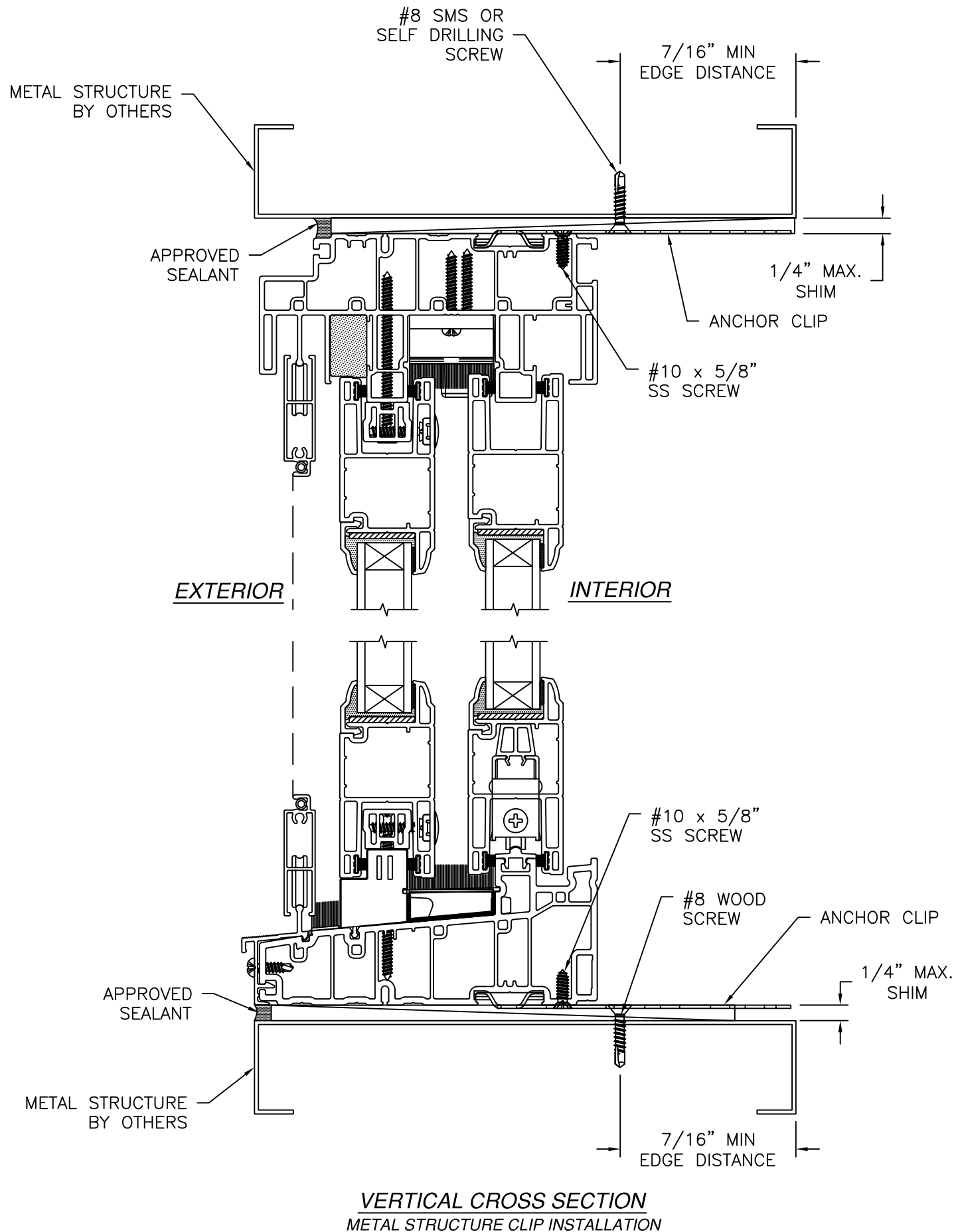
No. 62514

STATE OF FLORIDA

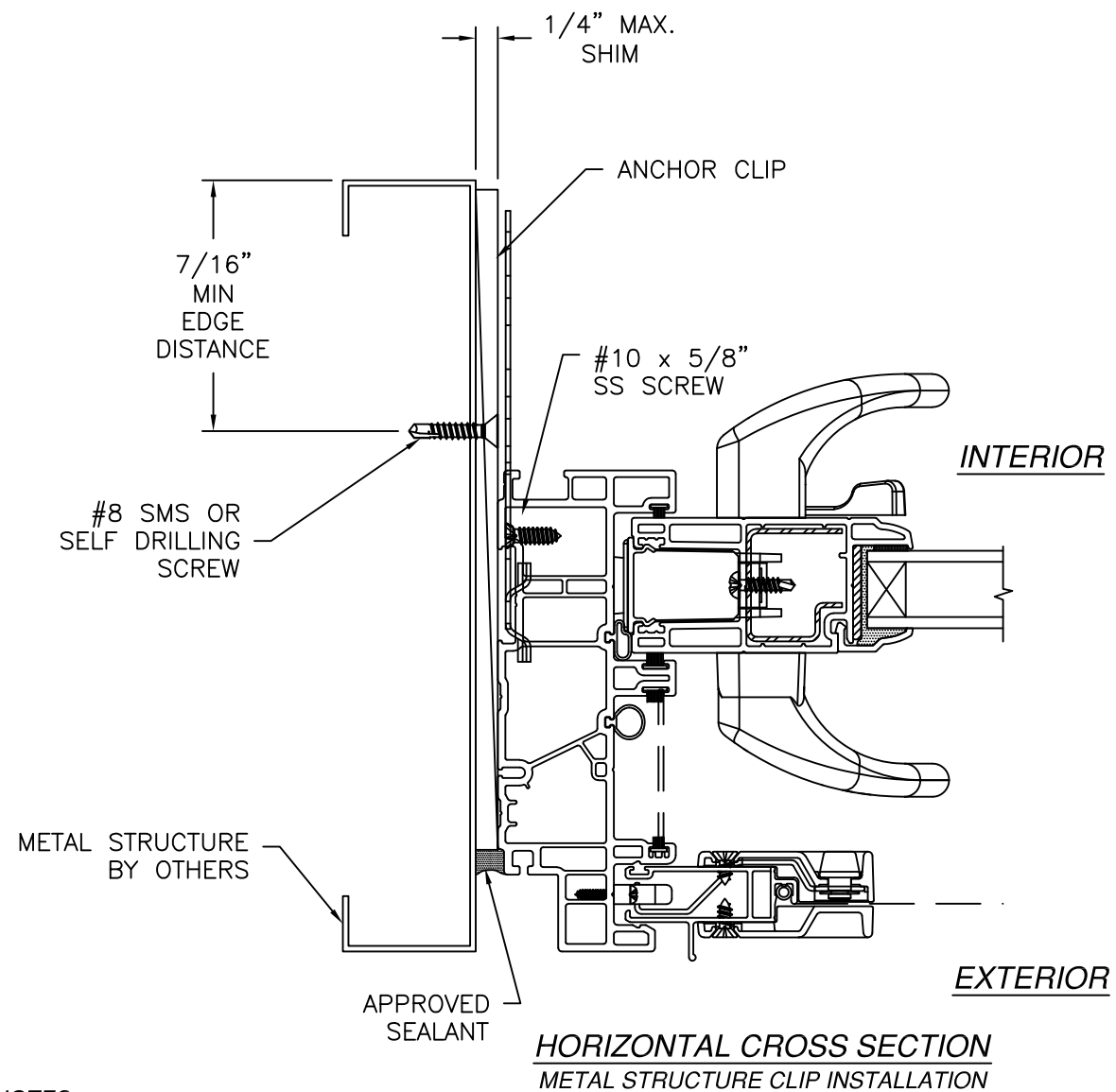
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

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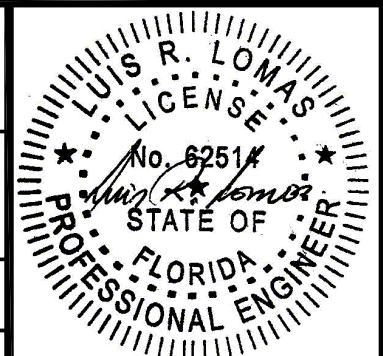
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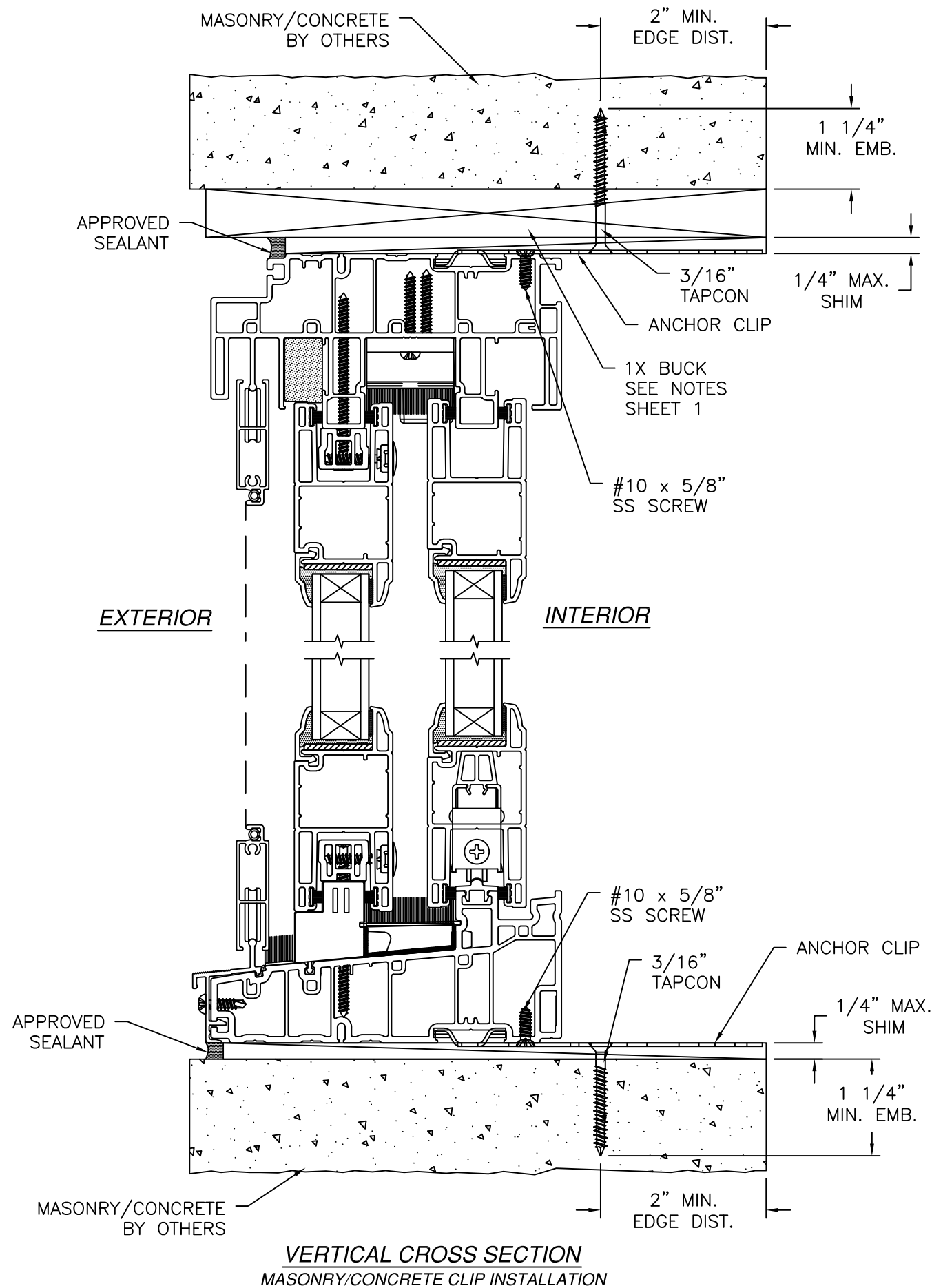
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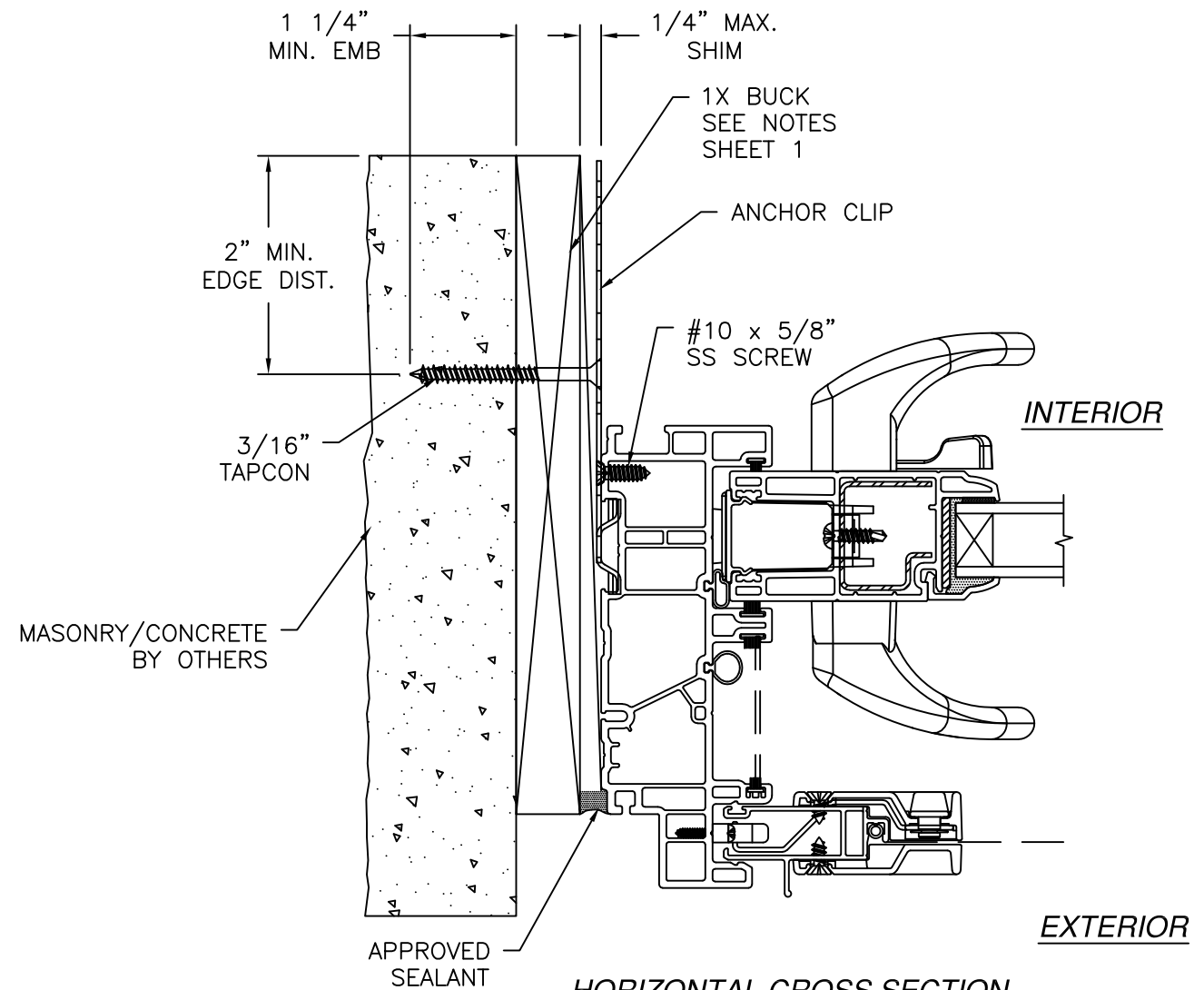
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VERTICAL CROSS SECTION
MASONRY/CONCRETE CLIP INSTALLATION



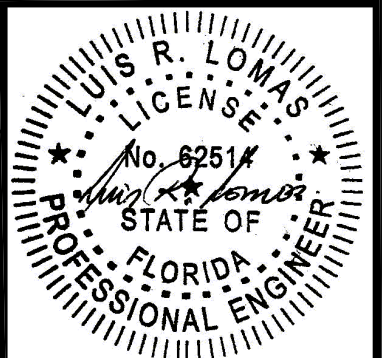
HORIZONTAL CROSS SECTION
MASONRY/CONCRETE CLIP INSTALLATION

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C	REVISED TO ADD CORROSION CHART	09/28/26	R.L.

PROVIA DOOR, INC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PRESTIGE VINYL PATIO DOOR NON-IMPACT CLIP INSTALLATION DETAILS		
DRAWN: TJH	DWG NO. 08-01176C	REV C
SCALE NTS	DATE 04/08/11	SHEET 10 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 09/28/2026



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