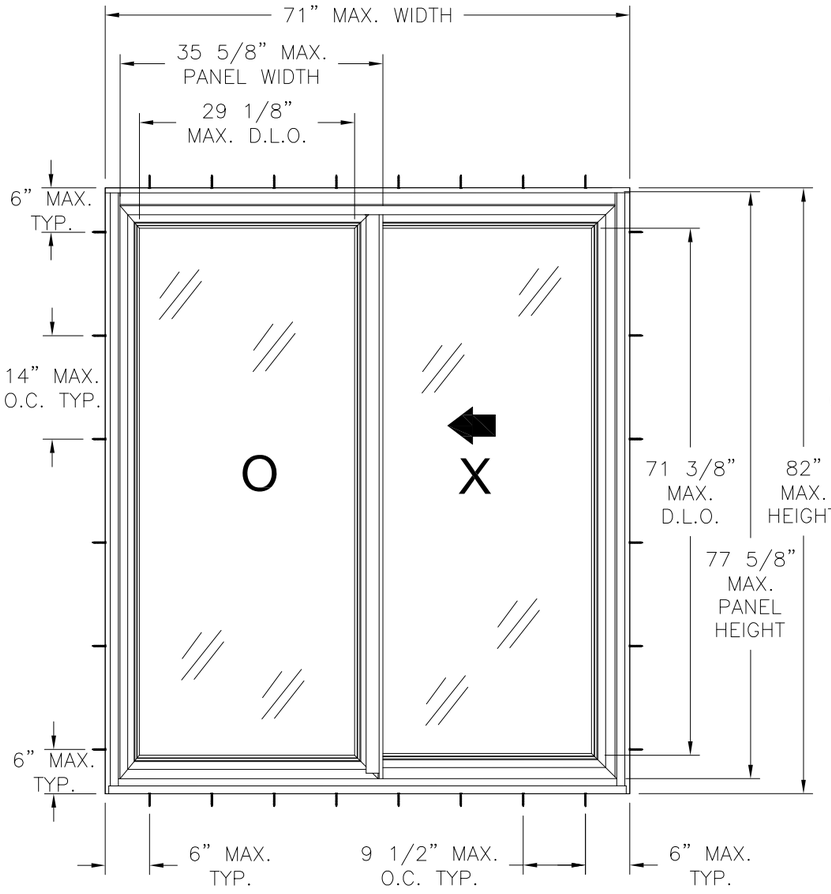
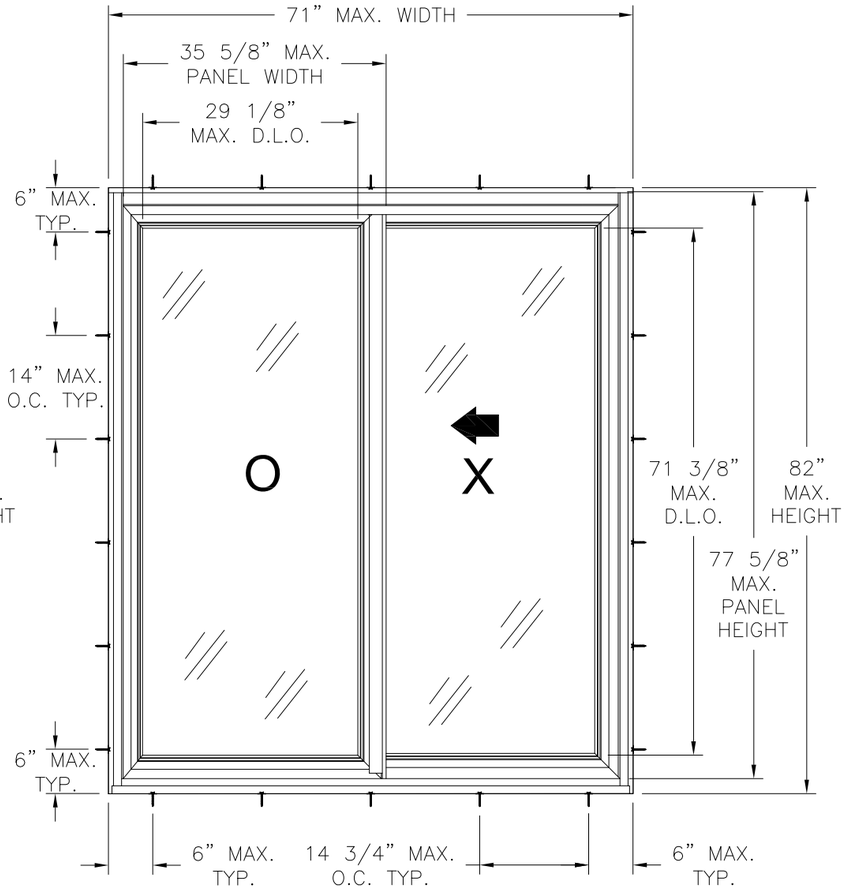
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



PRESTIGE VINYL PATIO DOOR
THROUGH FRAME INSTALLATION
EXTERIOR VIEW



PRESTIGE VINYL PATIO DOOR
CLIP INSTALLATION
EXTERIOR VIEW

DESIGN PRESSURE RATING	*IMPACT RATING*
±55PSF	*NONE*

NOTES:

1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE AND 2006 INTERNATIONAL RESIDENTIAL CODE WITH TEXAS STATE MODIFICATIONS.
2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. WOOD FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3) 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. 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.
4) APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
5) UNITS MUST BE GLAZED PER ASTM E1300.
6) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
7) APPROVED CONFIGURATIONS: OX, XO.
8) FRAME MATERIAL: RIGID PVC .072" THICK.

SIGNED: 05/09/2011

TABLE OF CONTENTS

SHEET NO.	DESCRIPTION
1	ELEVATION, ANCHORING AND NOTES
2	BILL OF MATERIALS AND ANCHORING NOTES
3	VERTICAL AND HORIZONTAL CROSS SECTIONS
4 – 7	INSTALLATION DETAILS

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

PRESTIGE VINYL PATIO DOOR
71" x 82" – NON–IMPACT
ELEVATION, ANCHORING LAYOUT AND NOTES

DRAWN:	DWG NO.	REV
TJH	08–01207	–
SCALE NTS	DATE 01/27/11	SHEET 1 OF 7

Luis R. Lomas P.E.
Texas No. 101889

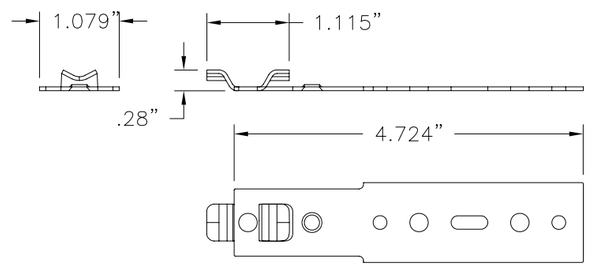
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

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

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

ANCHORING NOTES:

1) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
2) FOR ANCHORING THROUGH FRAME INTO 2X BUCK OR WOOD FRAMING USE #10 WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT. LOCATE ANCHORS AS SHOWN IN ANCHORING LAYOUT AND INSTALLATION DETAILS.
3) FOR CLIP INSTALLATION INTO 2X BUCK OR WOOD FRAMING USE #8 WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE A 1 3/16" MINIMUM EMBEDMENT. LOCATE ANCHORS AS SHOWN IN ANCHORING LAYOUT AND INSTALLATION DETAILS.
4) FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCON OF SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ANCHORING LAYOUT AND INSTALLATION DETAILS.
5) ALL FASTENERS TO BE CORROSION RESISTANT.
6) INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES:
   A. WOOD – G=0.42 MINIMUM SPECIFIC GRAVITY
   B. CONCRETE – 2,000PSI MINIMUM COMPRESSIVE STRENGTH.
   C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

PROVIA DOOR, INC.
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PRESTIGE VINYL PATIO DOOR
71" x 82" – NON-IMPACT
BILL OF MATERIALS AND ANCHORING NOTES

DRAWN:	DWG NO.	REV
TJH	08-01207	–
SCALE NTS	DATE 01/27/11	SHEET 2 OF 7

STATE OF TEXAS
LUIS R. LOMAS
101889
LICENSED
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.
Texas No. 101889

REVISIONS			
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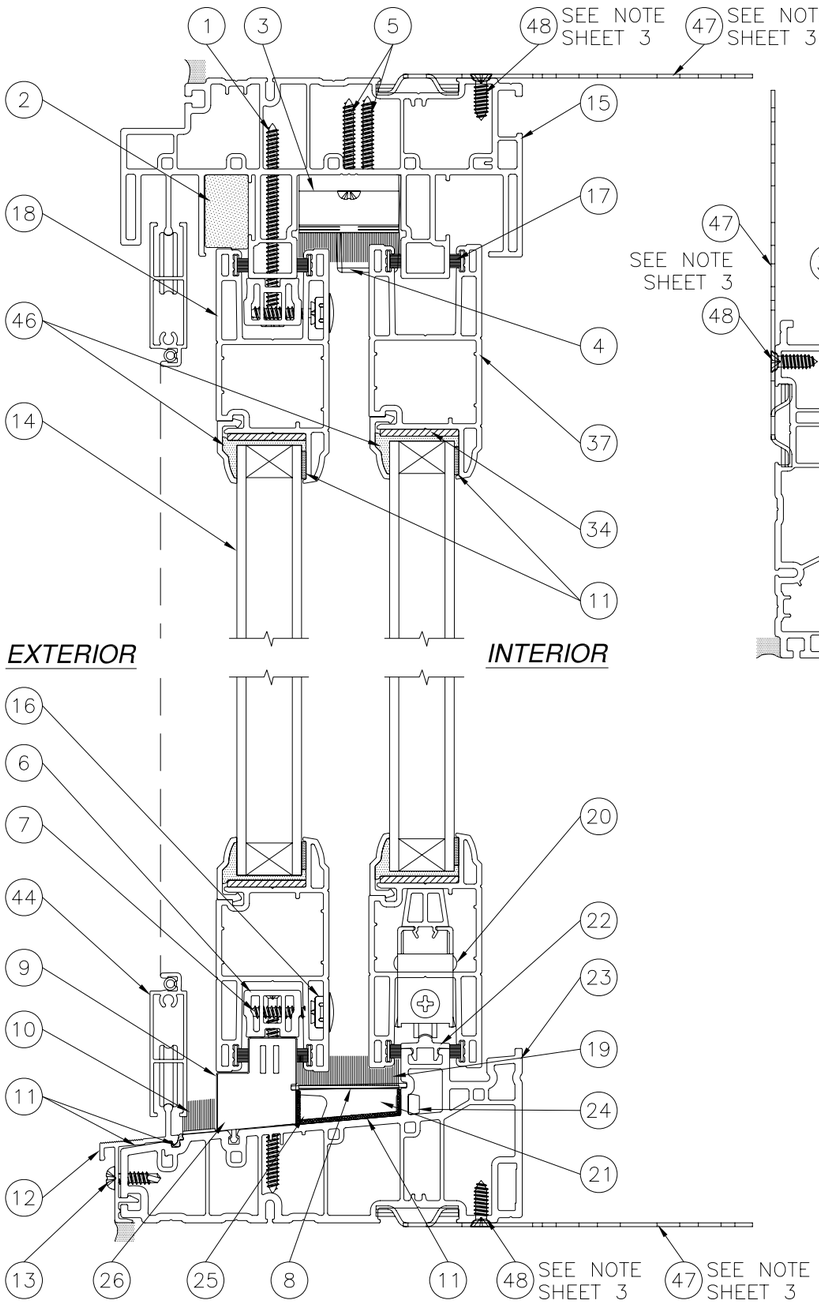
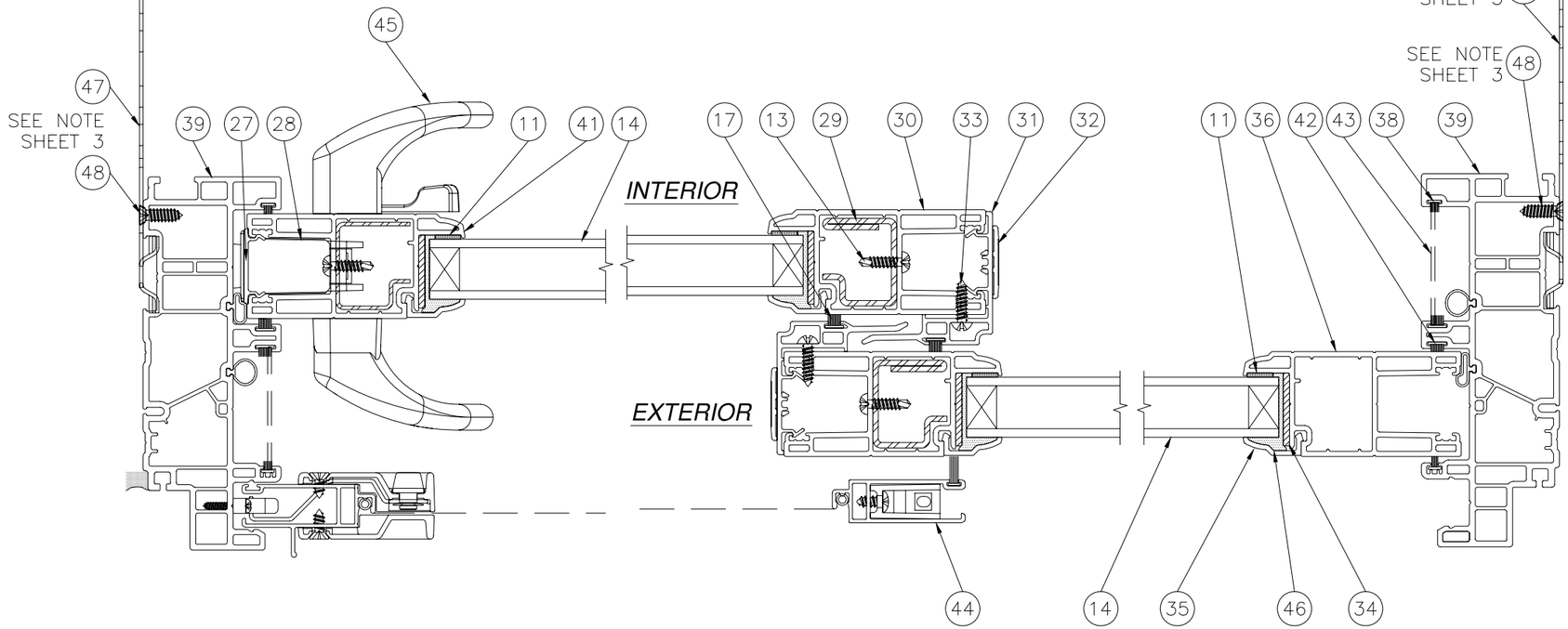


VERTICAL CROSS SECTION



HORIZONTAL CROSS SECTION

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

PROVIA DOOR, INC.
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PRESTIGE VINYL PATIO DOOR
71" x 82" – NON–IMPACT
VERTICAL AND HORIZONTAL CROSS SECTIONS

DRAWN:	DWG NO.	REV
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STATE OF TEXAS
LUIS R. LOMAS
101889
LICENSED
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.
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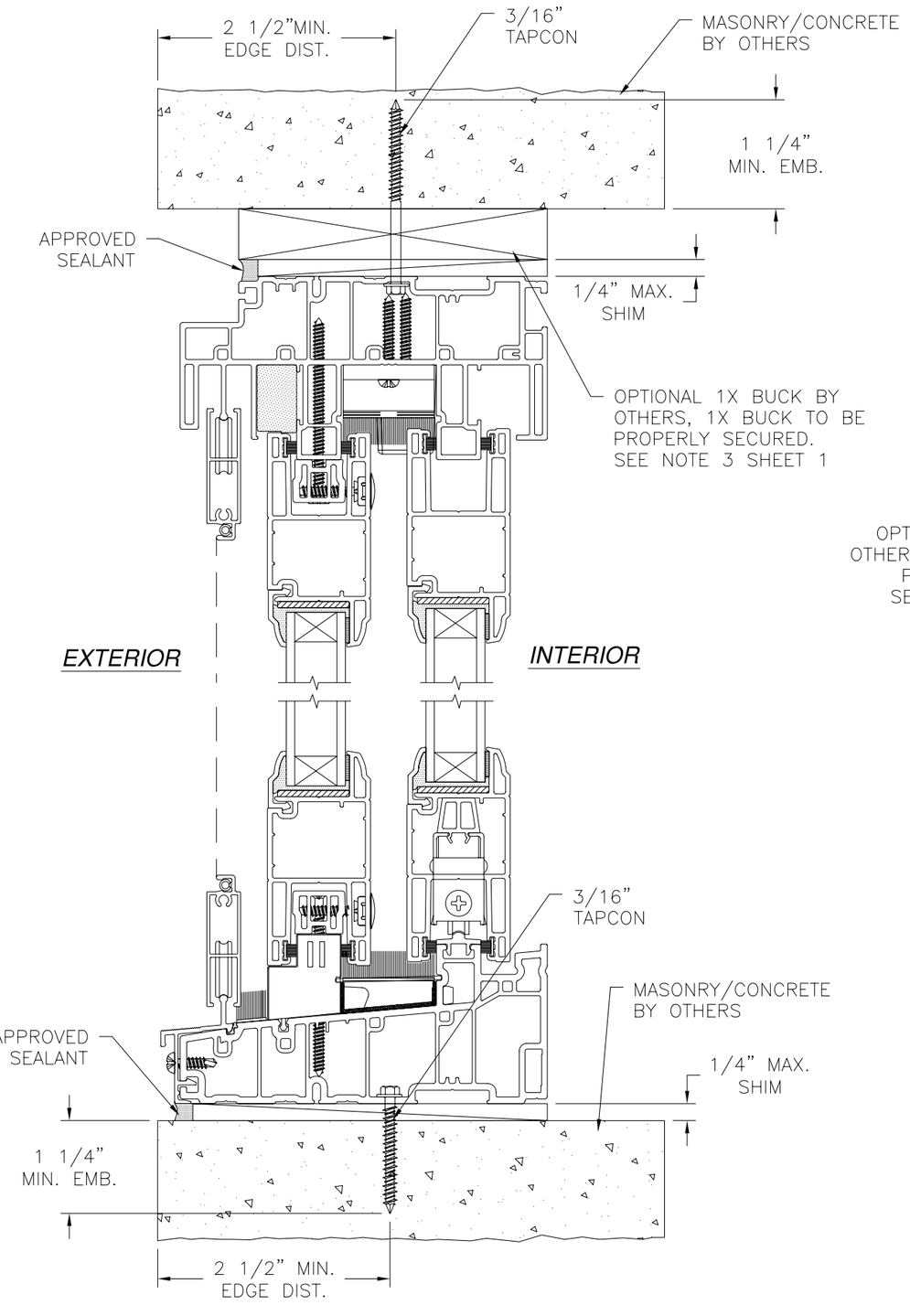
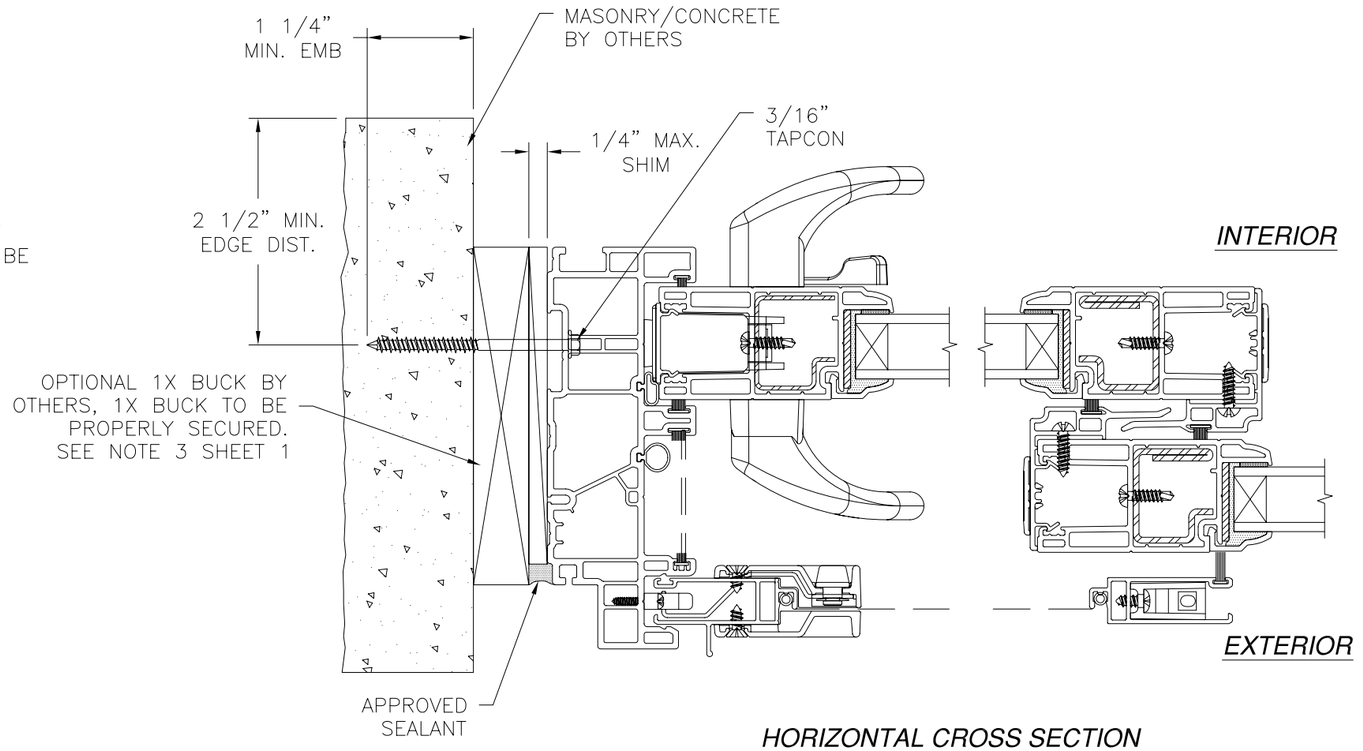


VERTICAL CROSS SECTION

MASONRY/CONCRETE THROUGH FRAME INSTALLATION



HORIZONTAL CROSS SECTION

MASONRY/CONCRETE THROUGH FRAME INSTALLATION

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

PRESTIGE VINYL PATIO DOOR
71" x 82" – NON–IMPACT
THROUGH FRAME INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
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STATE OF TEXAS
LUIS R. LOMAS
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REVISIONS			
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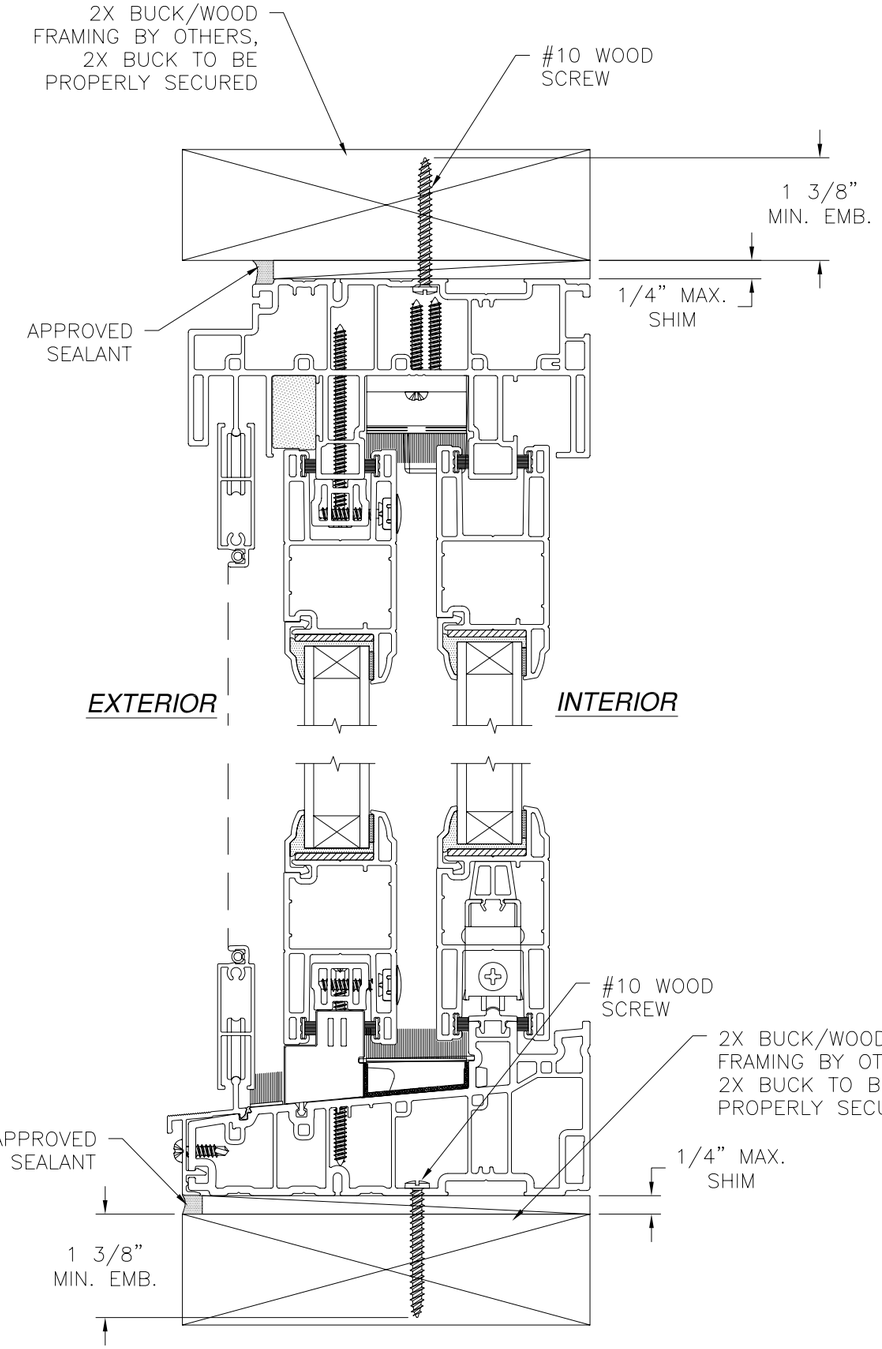
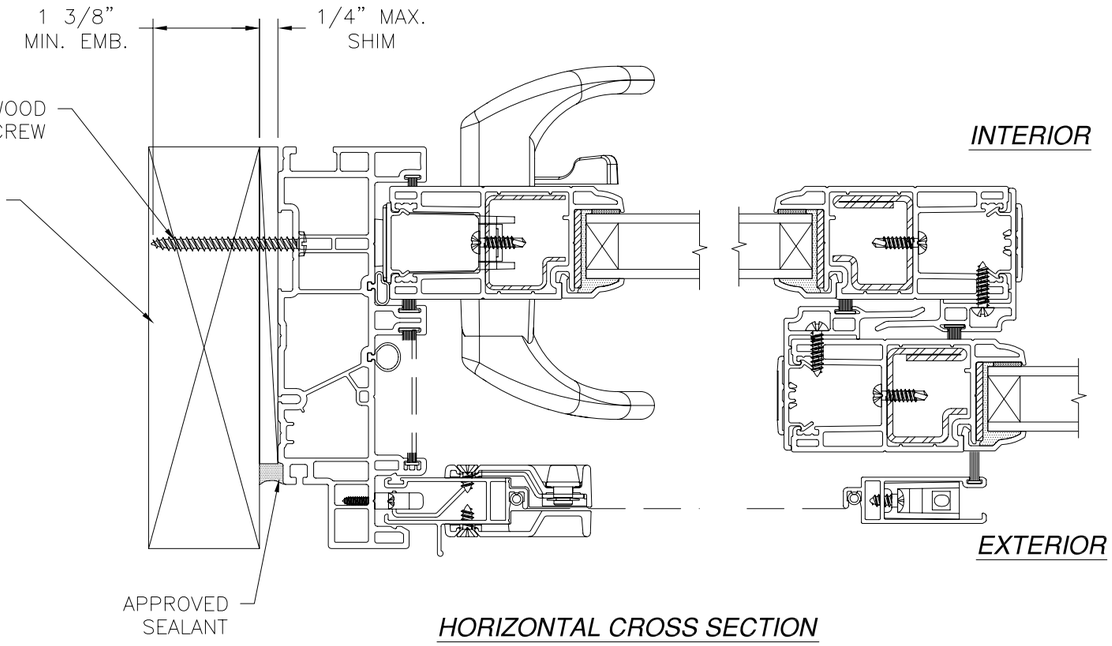


VERTICAL CROSS SECTION

2X BUCK/WOOD FRAMING THROUGH FRAME INSTALLATION



HORIZONTAL CROSS SECTION

2X BUCK/WOOD FRAMING THROUGH FRAME INSTALLATION

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

PRESTIGE VINYL PATIO DOOR
71" x 82" – NON–IMPACT
THROUGH FRAME INSTALLATION DETAILS

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STATE OF TEXAS
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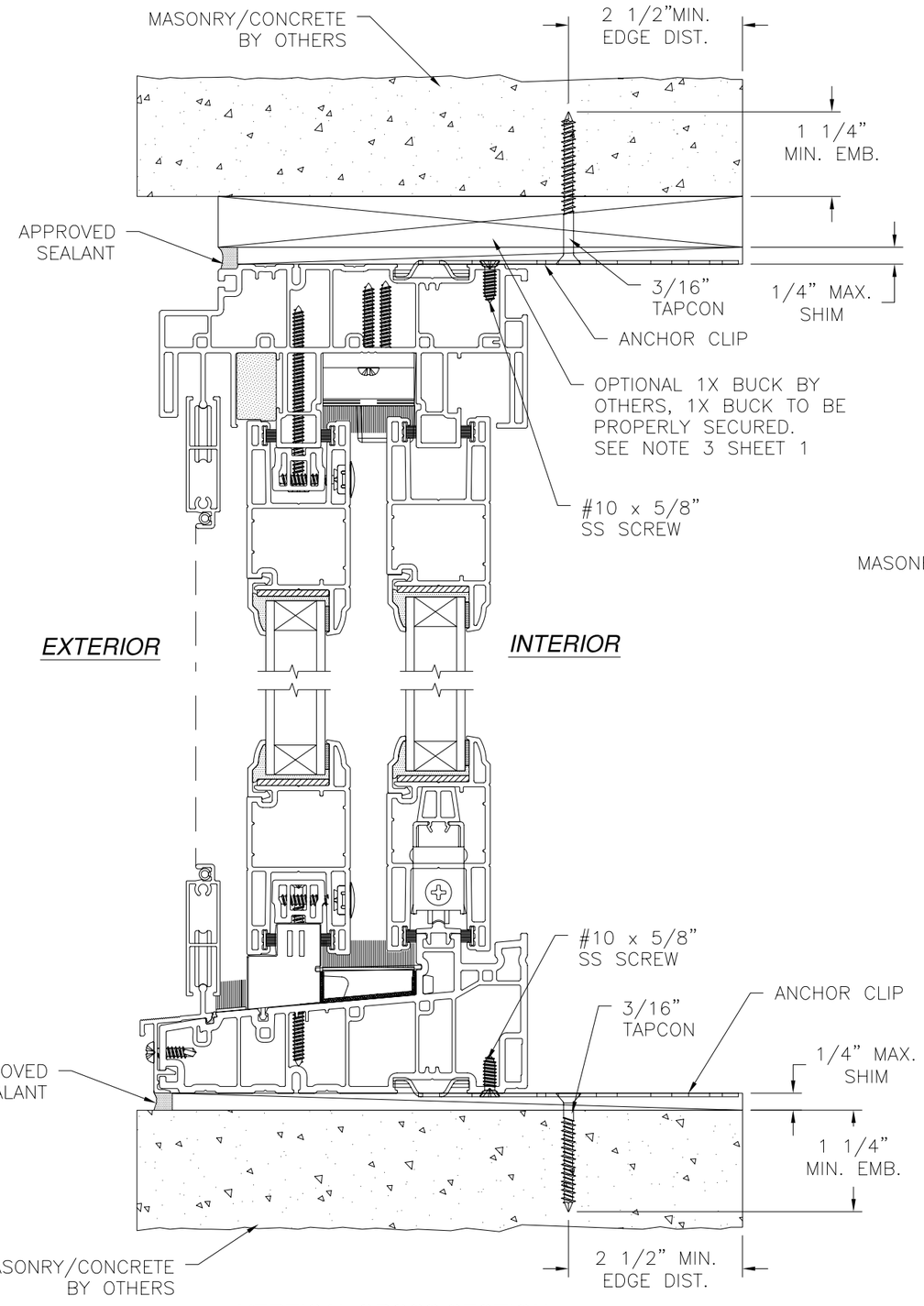
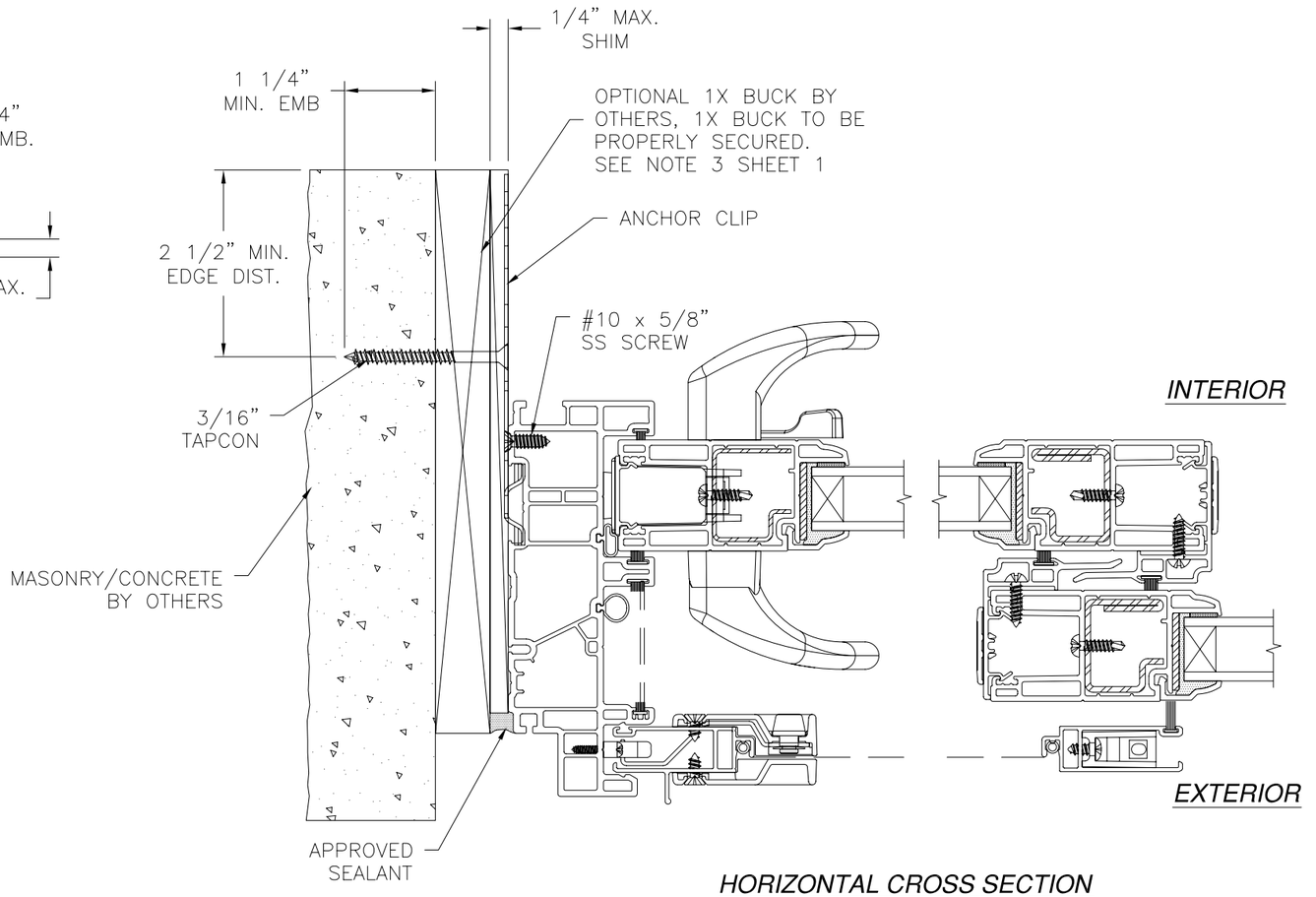


VERTICAL CROSS SECTION
MASONRY/CONCRETE CLIP INSTALLATION



HORIZONTAL CROSS SECTION
MASONRY/CONCRETE CLIP INSTALLATION

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

PRESTIGE VINYL PATIO DOOR
71" x 82" – NON–IMPACT
CLIP INSTALLATION DETAILS

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STATE OF TEXAS
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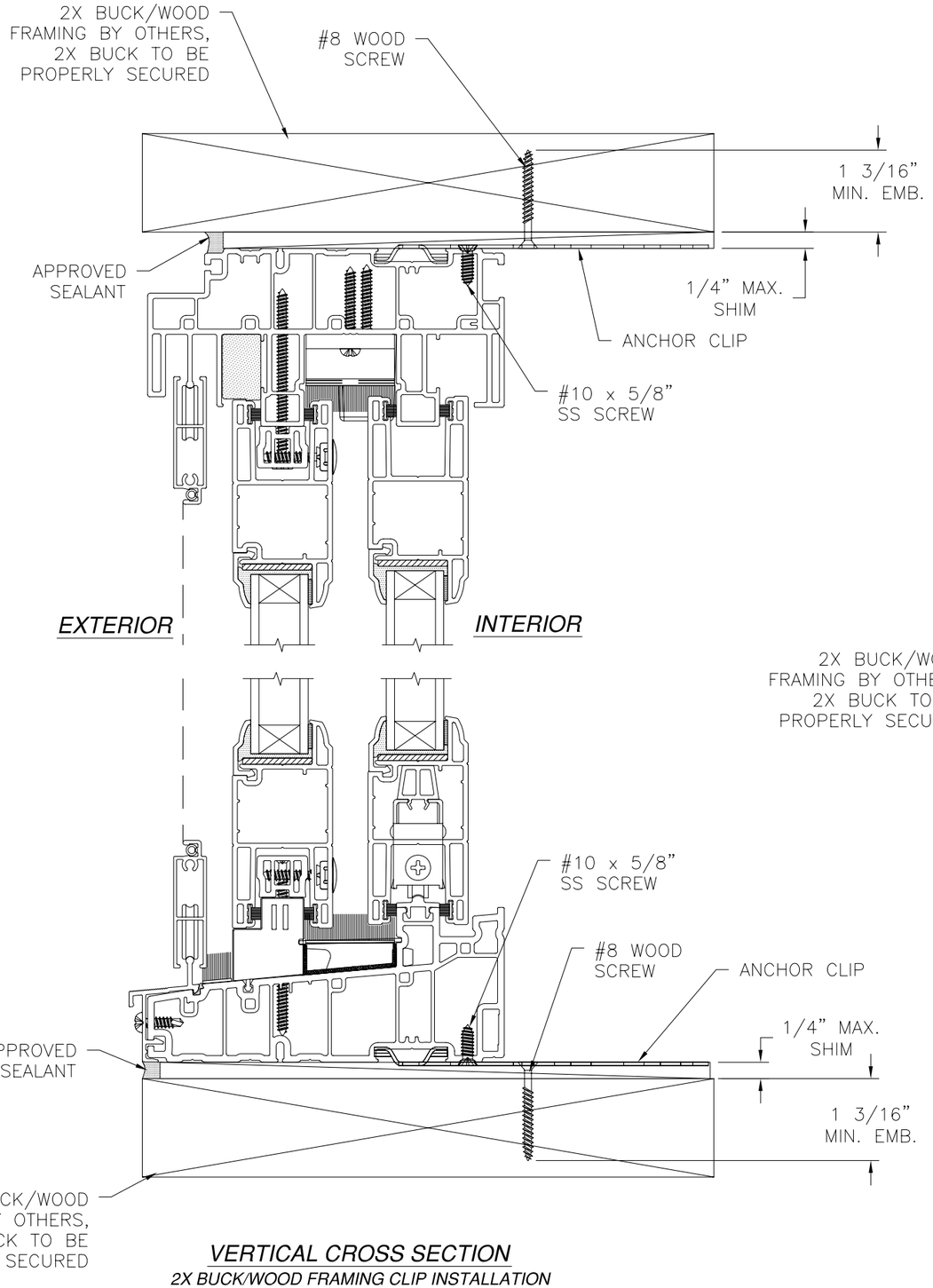
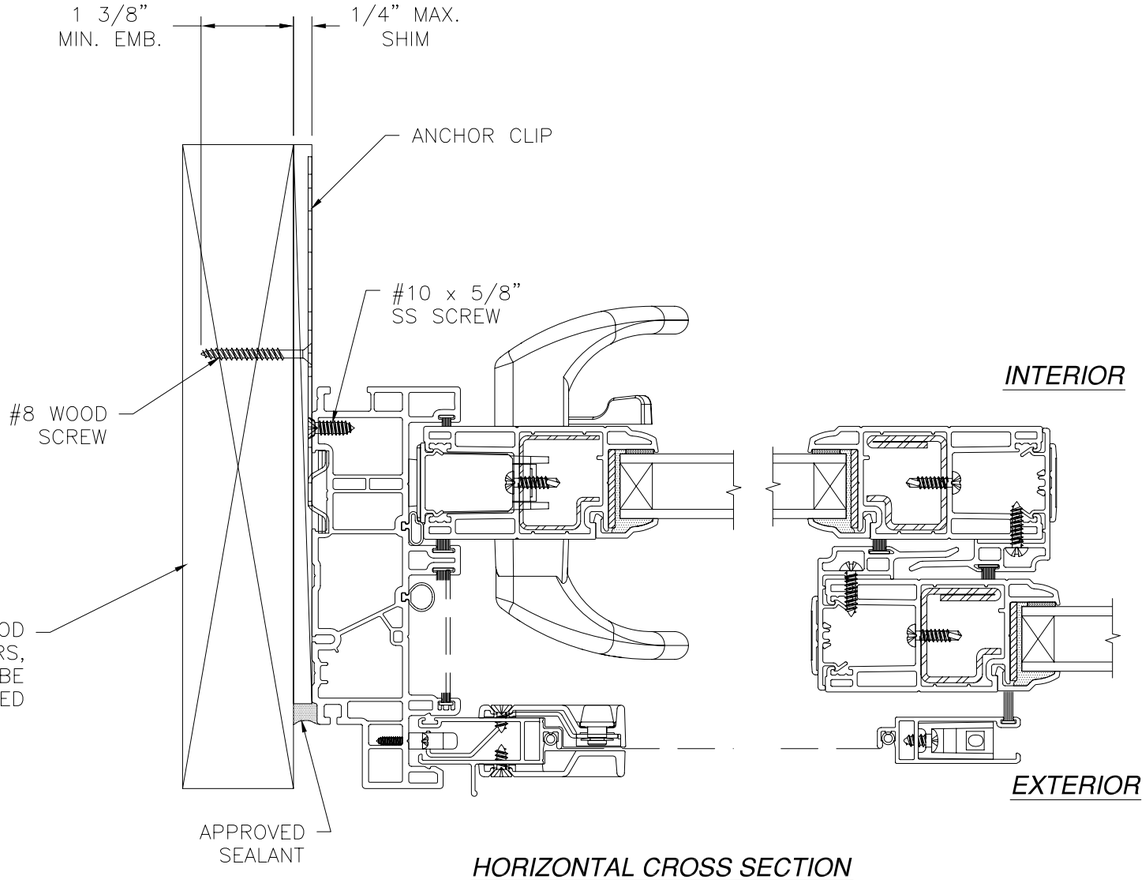


VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING CLIP INSTALLATION



HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING CLIP INSTALLATION

PROVIA DOOR, INC.
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PRESTIGE VINYL PATIO DOOR
71" x 82" – NON–IMPACT
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DRAWN:	DWG NO.	REV
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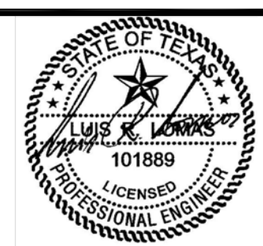

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