

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	01/10/2024	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, SEE SHEET 4 FOR GLAZING DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT 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

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

REINFORCED VINYL SLIDING GLASS DOOR
COMMERCIAL NON-IMPACT
NOTES

DRAWN:
V.L.

DWG NO.
08-01269B

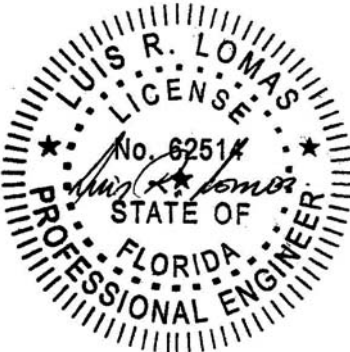
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SCALE NTS

DATE 07/05/11

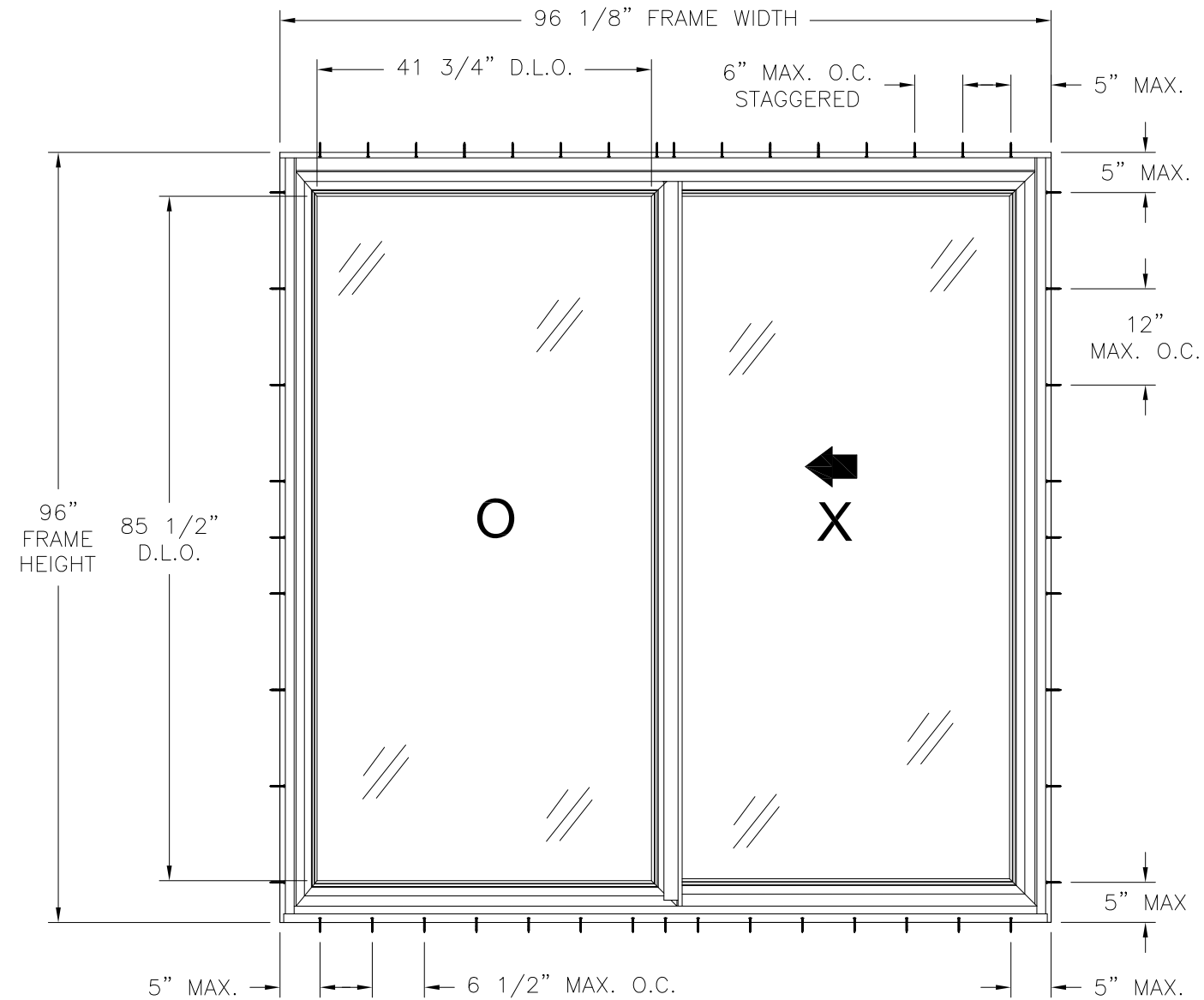
SHEET 1 OF 7

L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com



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

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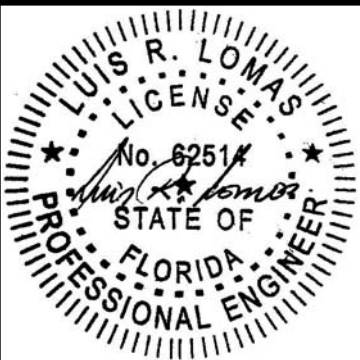


REINFORCED VINYL SLIDING GLASS DOOR
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
± 55 PSF	LARGE AND SMALL MISSILE IMPACT

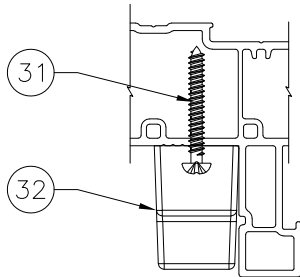
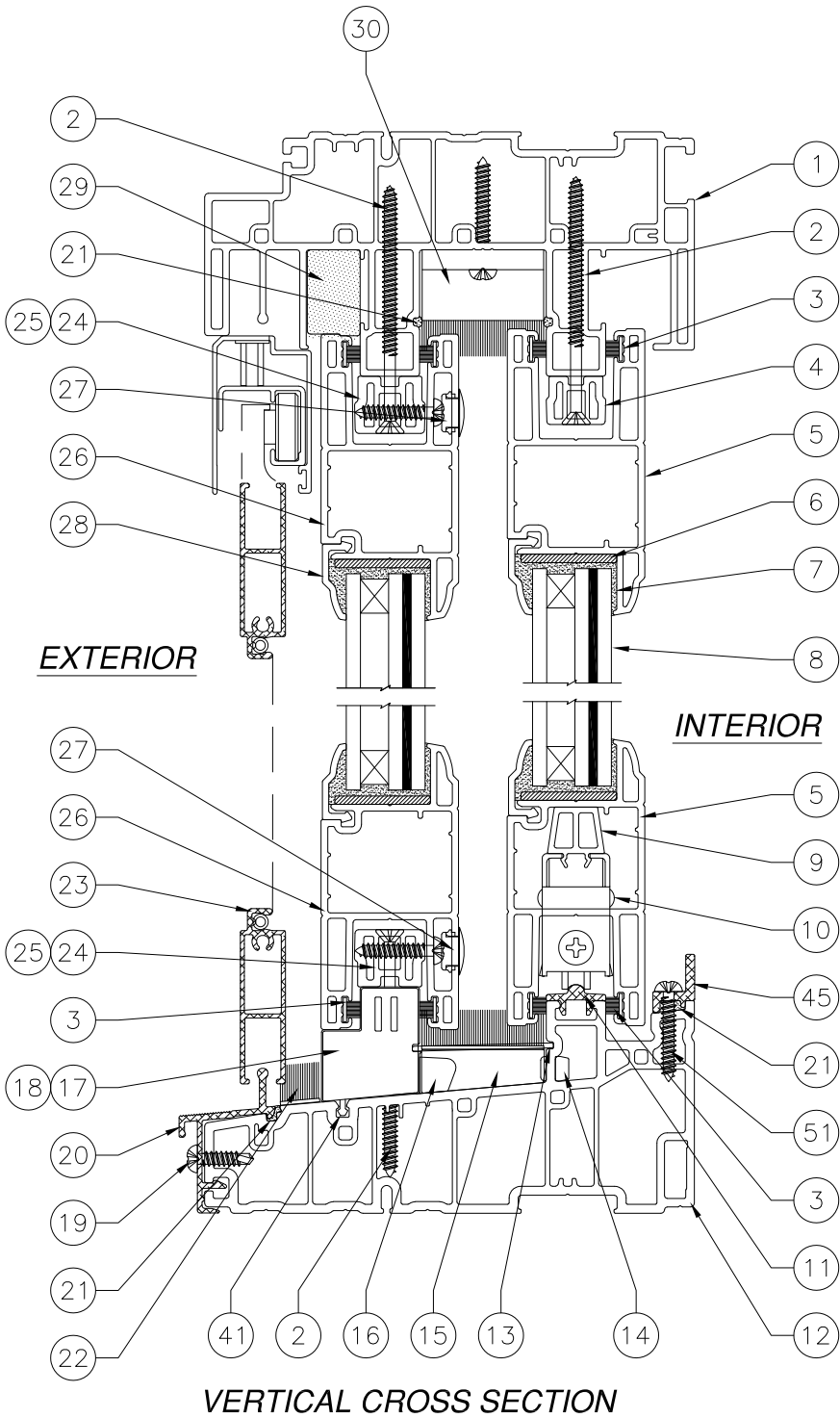
MISSILE LEVEL D, WIND ZONE 4

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PROVIA DOOR, INC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681			
REINFORCED VINYL SLIDING GLASS DOOR COMMERCIAL NON-IMPACT ELEVATION			
DRAWN: V.L.	DWG NO. 08-01269B	REV B	
SCALE NTS	DATE 07/05/11	SHEET 2 OF 7	
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			

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PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	7002	HEAD	P.H.TECH	RIGID PVC
2	9619	#8x2 3/4" FH QUADREX SCREW	P.H.TECH	STAINLESS STEEL
3	9550	WEATHERSTRIP	P.H.TECH	
4	7093	HEAD TRACK	P.H.TECH	RIGID PVC
5	7508.M	MOBILE HORIZONTAL RAIL	P.H.TECH	RIGID PVC
6	8933	SETTING BLOCK	P.H.TECH	
7	70-05A	STRUCTURAL ADHESIVE	BOSTIK	
8		GLASS		
9	7541	SHIM	P.H.TECH	RIGID PVC
10	9732	TANDEM WHEEL	P.H.TECH	
11	9790	ROLLING RAIL	P.H.TECH	ALUMINUM 6063-T5
12	7000	SILL	P.H.TECH	RIGID PVC
13	8723	SILL DUST COVER	P.H.TECH	RIGID PVC
14	9734	SILL PLUG	P.H.TECH	RIGID PVC
15	710	SILL WEATHERSEAL	P.H.TECH	
16	9808	WEEP HOLE COVER	P.H.TECH	RIGID PVC
17	9670	LEFT CAP FOR SILL ADAPTER	P.H.TECH	RIGID PVC
18	9671	RIGHT CAP FOR SILL ADAPTER	P.H.TECH	RIGID PVC
19	9867	#8x5/8" PH SELF DRILLING SCREW	P.H.TECH	STAINLESS STEEL
20	9991	OUTSIDE SILL CLADDING	P.H.TECH	ALUMINUM 6063-T5
21		SEALANT		
22	9569	INSECT STOP	P.H.TECH	RIGID PVC
23		SCREEN	P.H.TECH	
24	9876	#8x7/8" PH QUADREX SCREW	P.H.TECH	STAINLESS STEEL
25	7003	FIXED PANEL ANCHOR BLOCK	P.H.TECH	RIGID PVC
26	7508.F	FIXED HORIZONTAL RAIL	P.H.TECH	RIGID PVC
27	9667	SCREW CAP	P.H.TECH	RIGID PVC
28	5775	GLAZING BEAD	P.H.TECH	RIGID PVC
29	9853	FOAM PLUG	P.H.TECH	RIGID PVC
30	703	HEAD WEATHERSEAL	P.H.TECH	
31	8941	#8x1 1/4" PH QUADREX SCREW	P.H.TECH	STAINLESS STEEL
32	8940	FIXED PANEL SUPPORT	P.H.TECH	RIGID PVC
33	9560	WEATHER STRIP	P.H.TECH	
34	7004.G	LEFT JAMB	P.H.TECH	RIGID PVC
35	9571	WEATHER STRIP	P.H.TECH	
36	7517.F	FIXED PANEL SIDELITE	P.H.TECH	RIGID PVC
37	9598	STEEL REINFORCEMENT	P.H.TECH	GALVANIZED STEEL
38	9555	INSECT STOP	P.H.TECH	
39		HANDLE KIT	P.H.TECH	
40	7517.M	OPERATING PANEL SIDE STILE	P.H.TECH	RIGID PVC



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PROVIA DOOR, INC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
REINFORCED VINYL SLIDING GLASS DOOR COMMERCIAL NON-IMPACT BILL OF MATERIALS AND CROSS SECTIONS		
DRAWN: V.L.	DWG NO. 08-01269B	REV B
SCALE NTS	DATE 07/05/11	SHEET 3 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

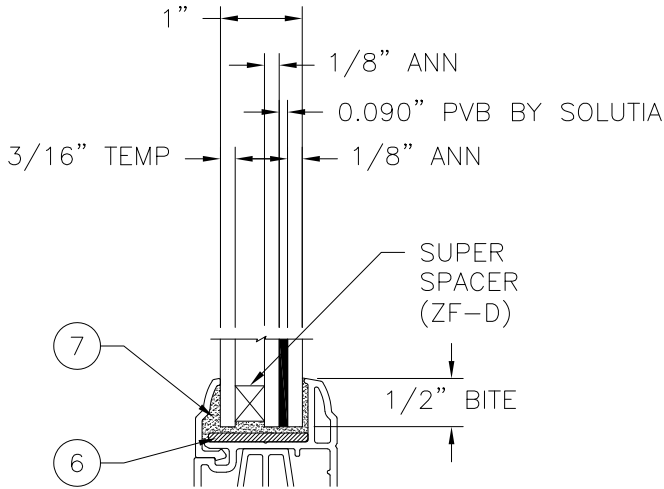
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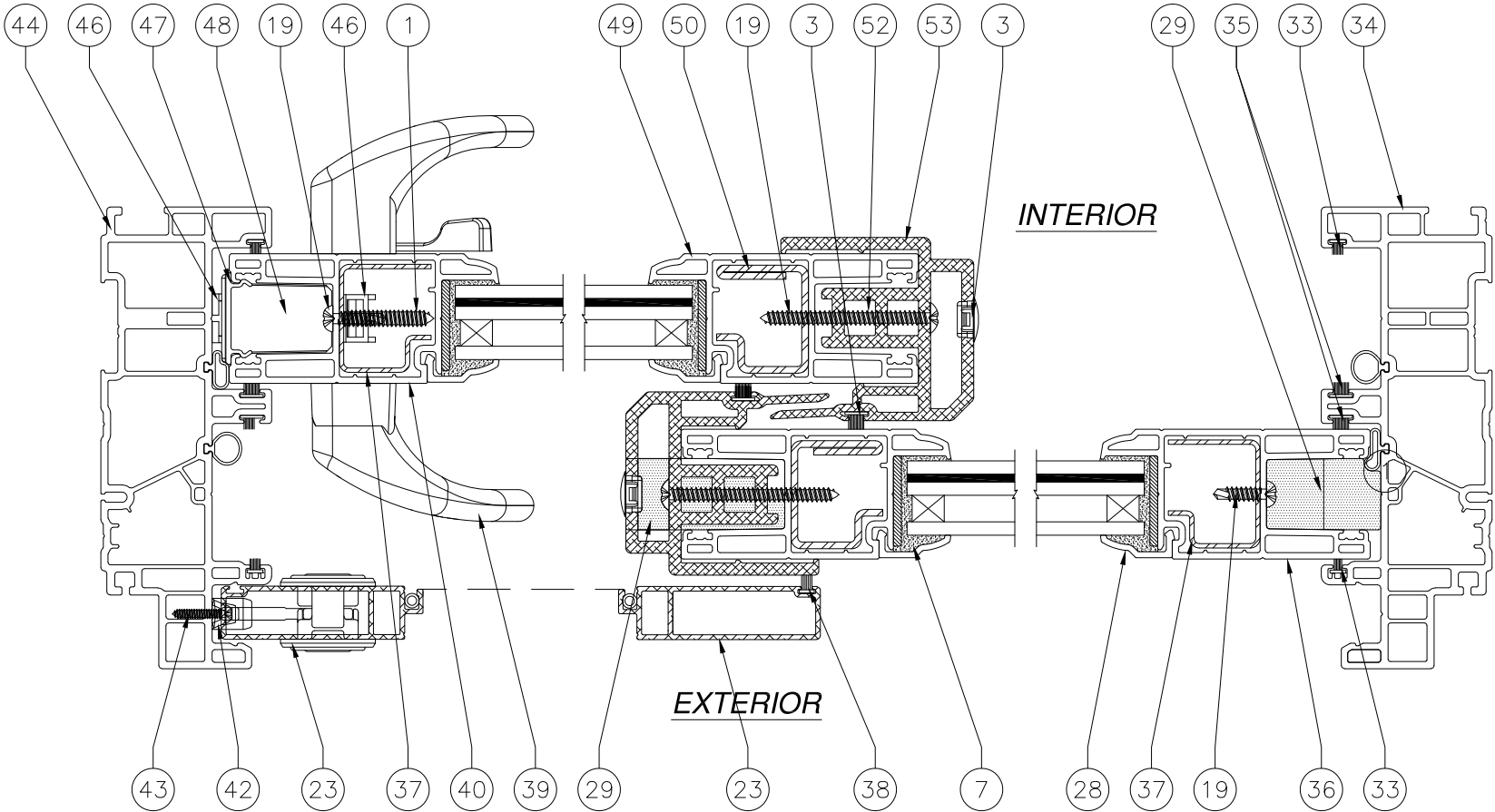
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PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
41	8701	SILL ADAPTER	P.H.TECH	RIGID PVC
42	8960	KEEPER FOR SCREEN	P.H.TECH	
43	9612	#4x5/8" PH QUADREX SCREW	P.H.TECH	STAINLESS STEEL
44	7004.D	RIGHT JAMB	P.H.TECH	RIGID PVC
45	8935	WATER BAR	P.H.TECH	ALUMINUM 6063-T5
46	9249.SS	DOUBLE POINT MORTISE LOCK KIT	P.H.TECH	STAINLESS STEEL
47	7523	SASH COVERING CAP	P.H. TECH	RIGID PVC
48	9150	LOCK PLUG	P.H. TECH	RIGID PVC
49	7506	MEET STILE	P.H.TECH	RIGID PVC
50	9599	STEEL REINFORCEMENT	P.H.TECH	GALVANIZED STEEL
51		#8x1" PH PHILIPS SCREW	P.H.TECH	STAINLESS STEEL
52	9785	#8x2" TH QUADREX SCREW	P.H.TECH	STAINLESS STEEL
53	8936	INTERLOCK	P.H.TECH	ALUMINUM 6060-T61

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GLAZING DETAIL



HORIZONTAL CROSS SECTION

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2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

REINFORCED VINYL SLIDING GLASS DOOR
COMMERCIAL NON-IMPACT
BILL OF MATERIALS AND CROSS SECTIONS

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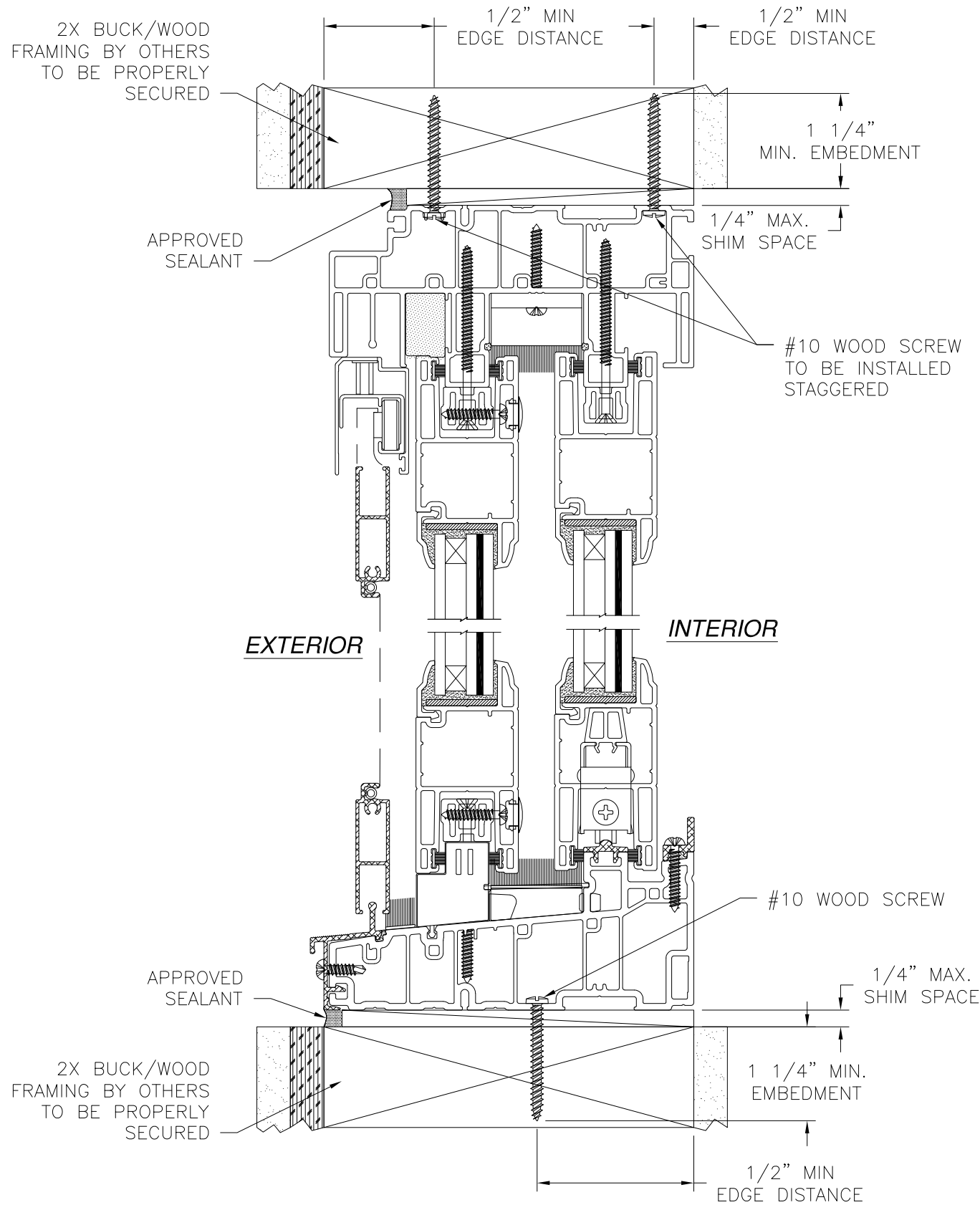
SHEET
4 OF 7

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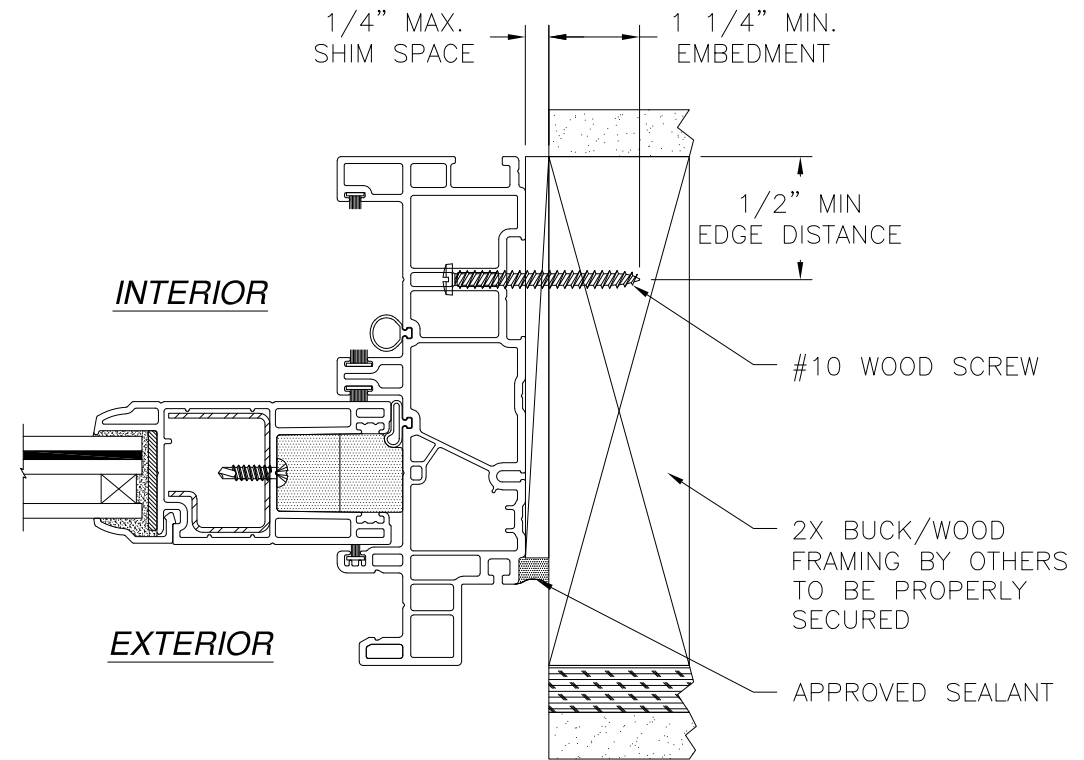


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VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION

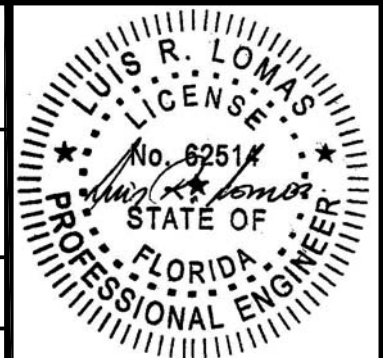


HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION

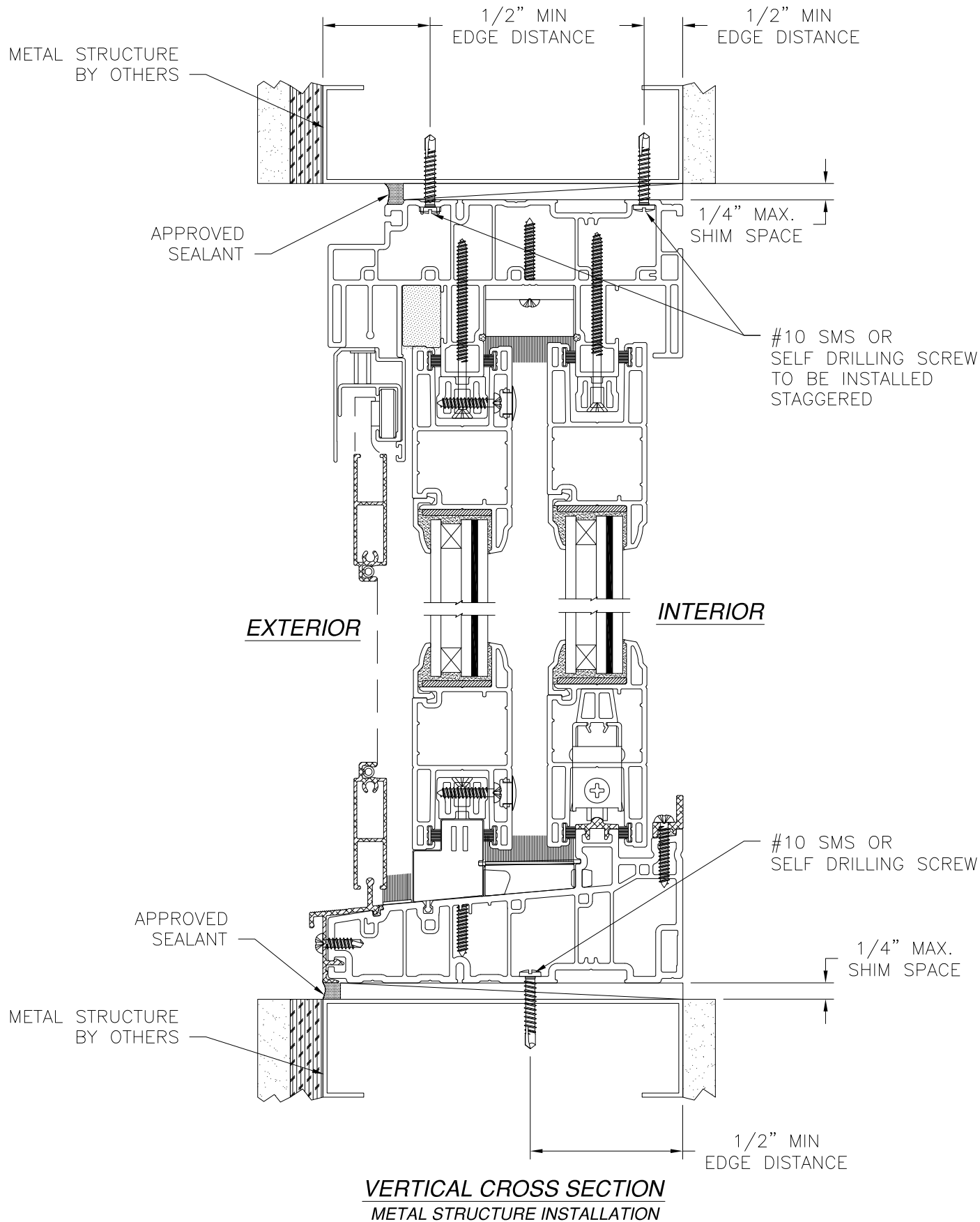
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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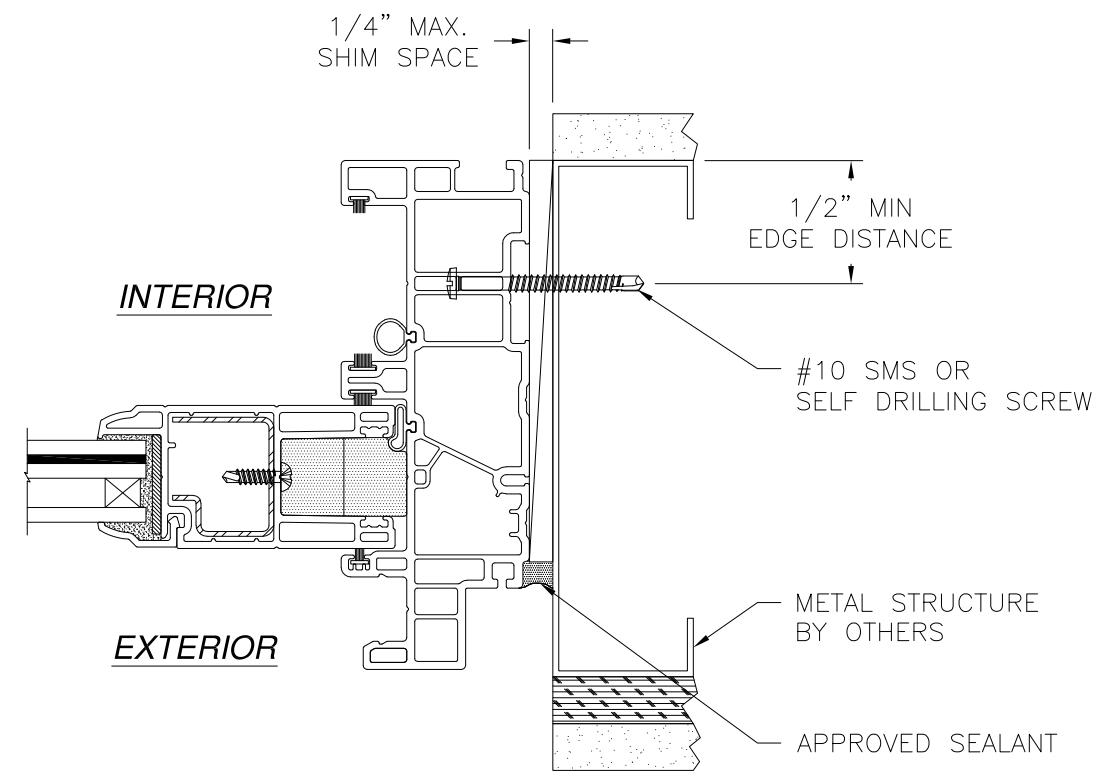
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



HORIZONTAL CROSS SECTION
METAL STRUCTURE INSTALLATION

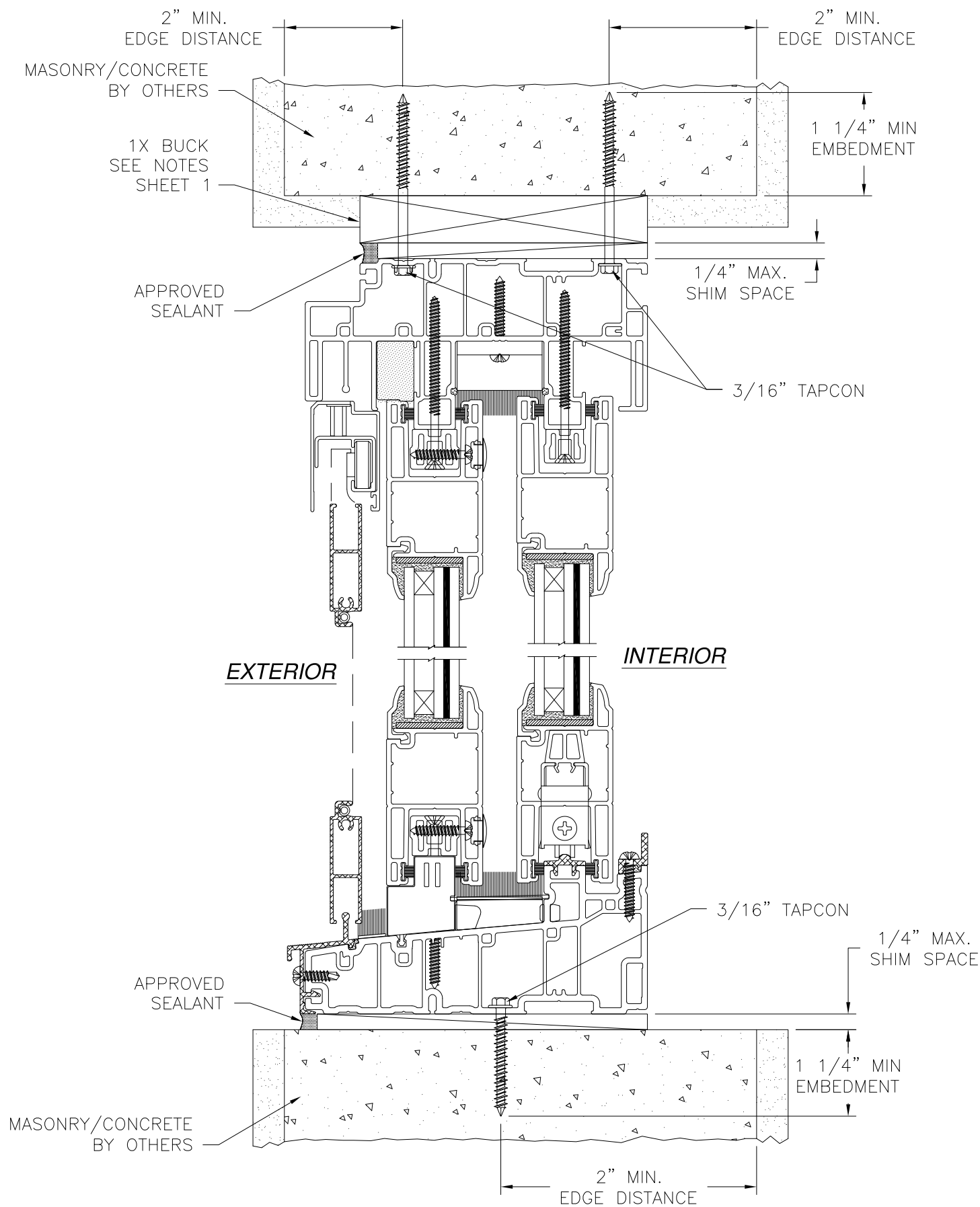
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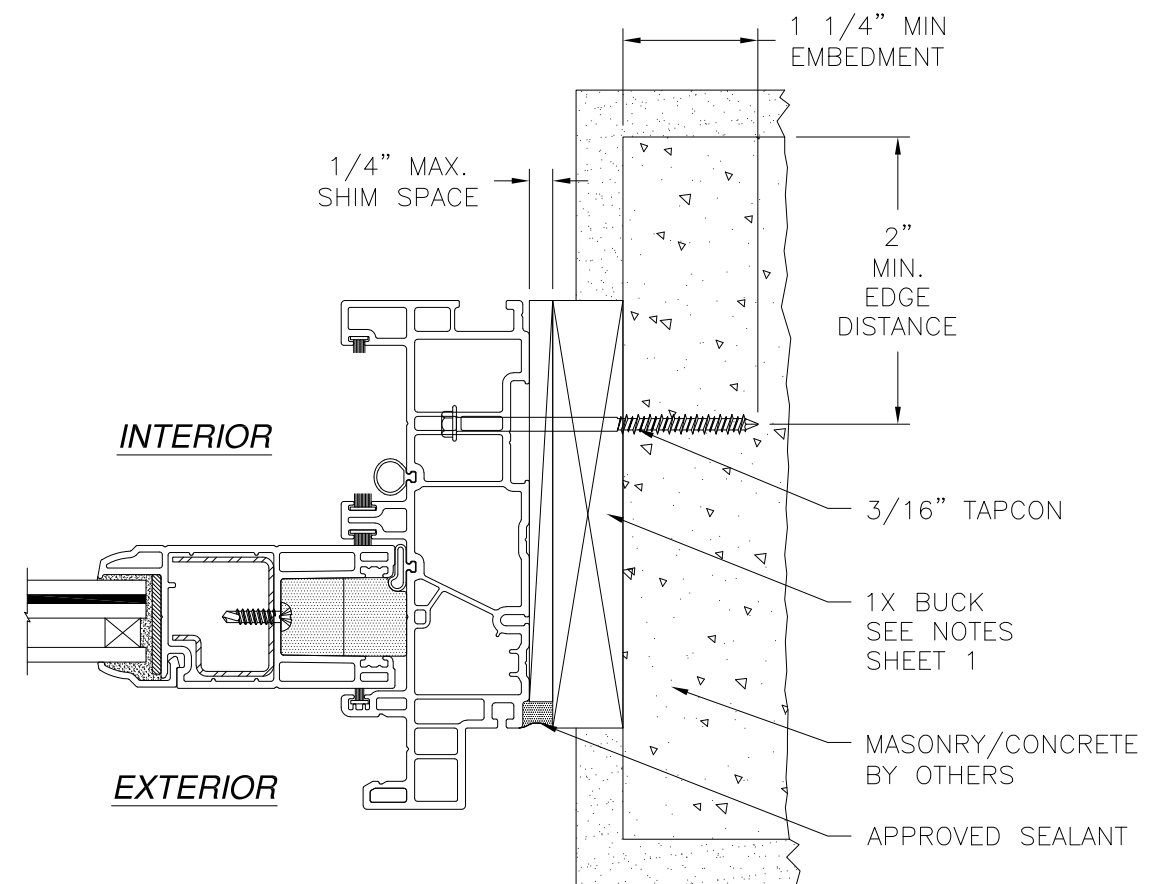
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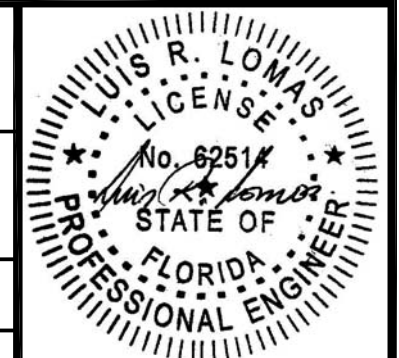
VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

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