

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	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 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.
4. 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.
5. 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.
6. 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.
7. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. SHIM AS REQUIRED 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”.
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: WOOD G .46 MINIMUM OR FRAMESAVER, OR FUSION FRAME.
12. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING THROUGH FRAME 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.

15. 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.
16. FOR ANCHORING THROUGH FRAME 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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:

A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI .048” THICK MINIMUM
19. DOOR PANEL MATERIAL: .085” THICK FIBERGLASS WITH WOOD STILES AND RAILS.
20. UNITS MAY BE INSTALLED WITH EITHER SCHLAGE F–SERIES DOOR KNOB WITH F–SERIES OR B–SERIES DEADBOLT, EMTEK RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY OR TRILENNIUM MULTI–POINT HARDWARE. SEE HARDWARE SCHEDULE SHEET 3 FOR APPROVED HARDWARE.

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PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

PREMIUM GLAZED FIBERGLASS DOOR IS/OS
3’0 x 6’8 SINGLE – NON-IMPACT
NOTES

DRAWN:
TJH

DWG NO.
08–01098

REV
F

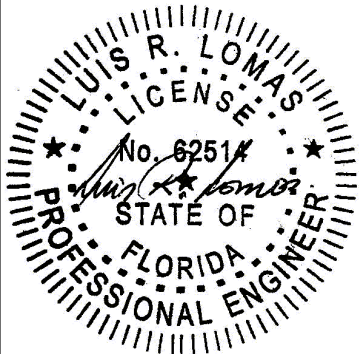
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SHEET 1 OF 17

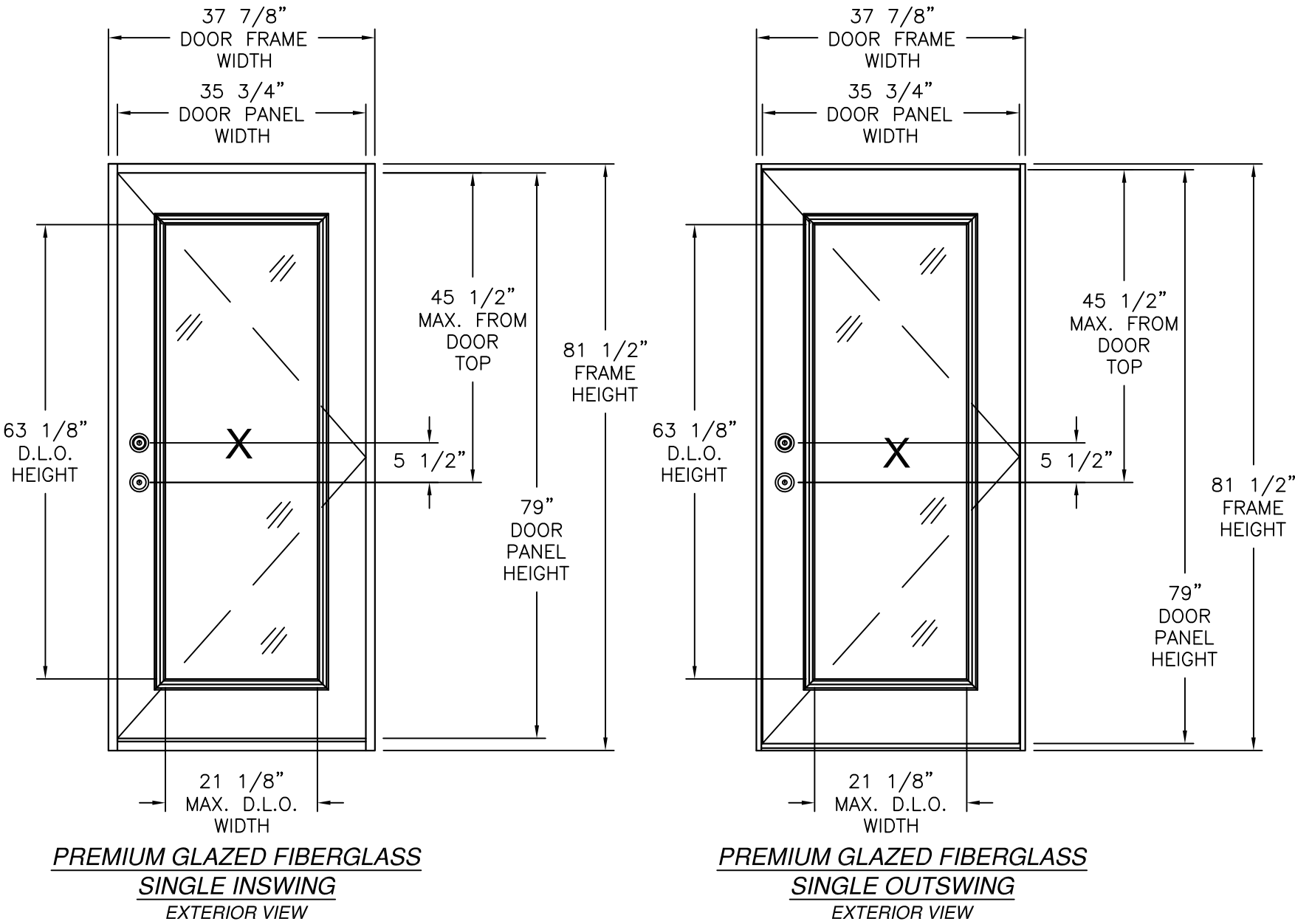
L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/28/2026



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

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DESIGN PRESSURE RATING	IMPACT RATING
±85PSF	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	

35 3/4" X 79" PANEL SHOWN, OTHER SIZES APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 19.61 FT²

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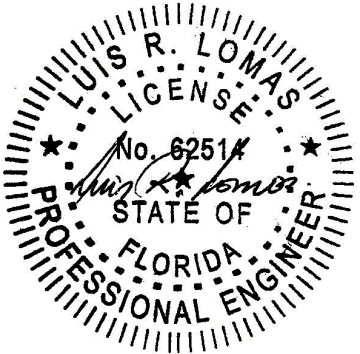
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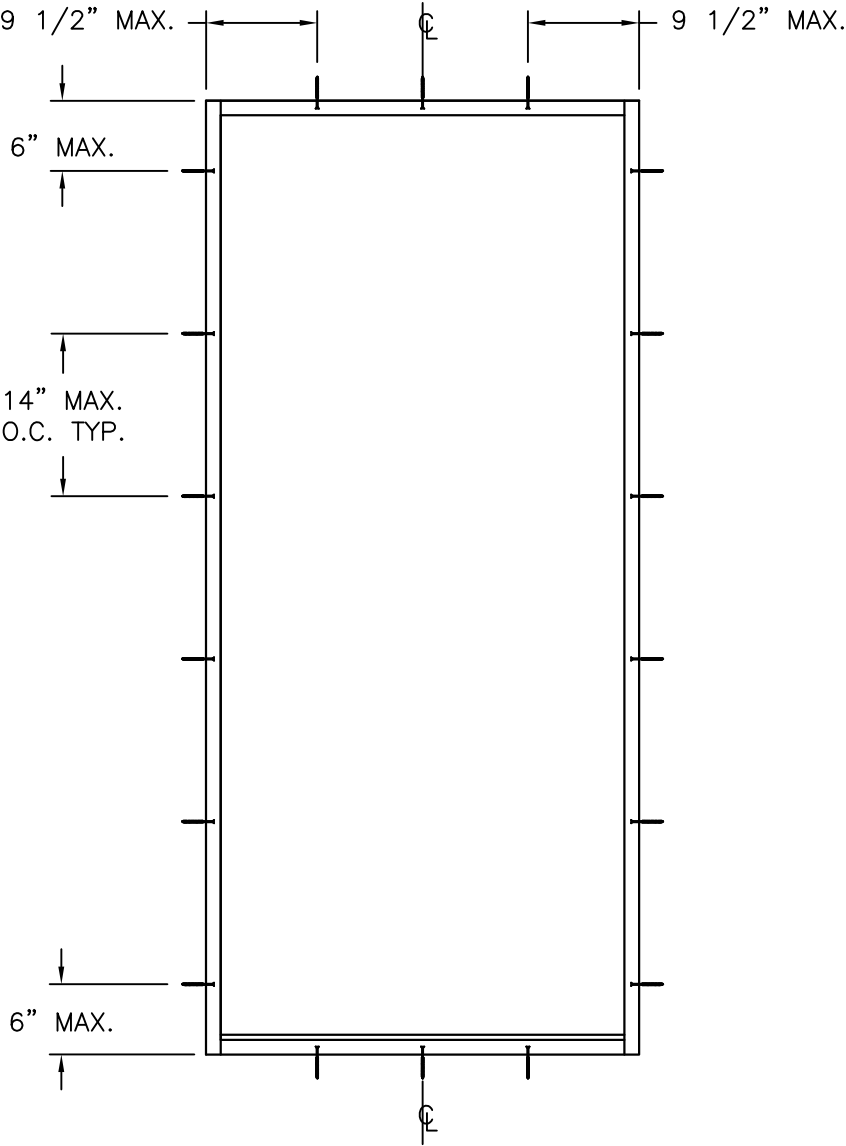
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SHEET
2 OF 17

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INSWING/OUTSWING ANCHORING LAYOUT

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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

HARDWARE SCHEDULE
A. F–SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE.
B. B–SERIES DEADBOLT ASSEMBLY BY SCHLAGE.
C. F–SERIES DEADBOLT ASSEMBLY BY SCHLAGE.
D. RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE).
E. MULTI–POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM (ALTERNATE).
F. (3) 4” STEEL BUTT HINGES.
G. (3) 4” x 4” SPRING BOMMER HINGES BY PENROD.

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PREMIUM GLAZED FIBERGLASS DOOR IS/OS
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ANCHORING LAYOUT AND HARDWARE

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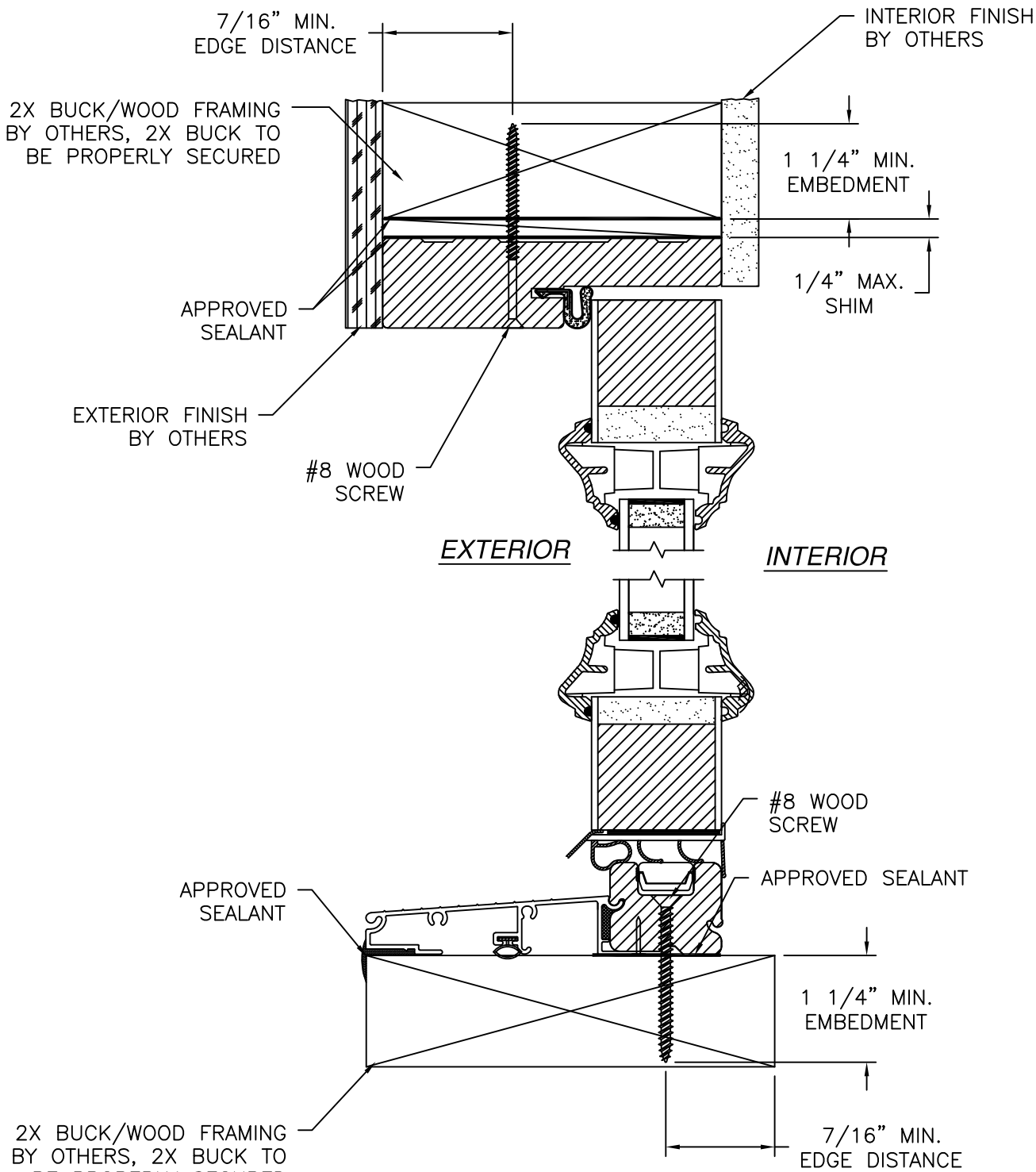
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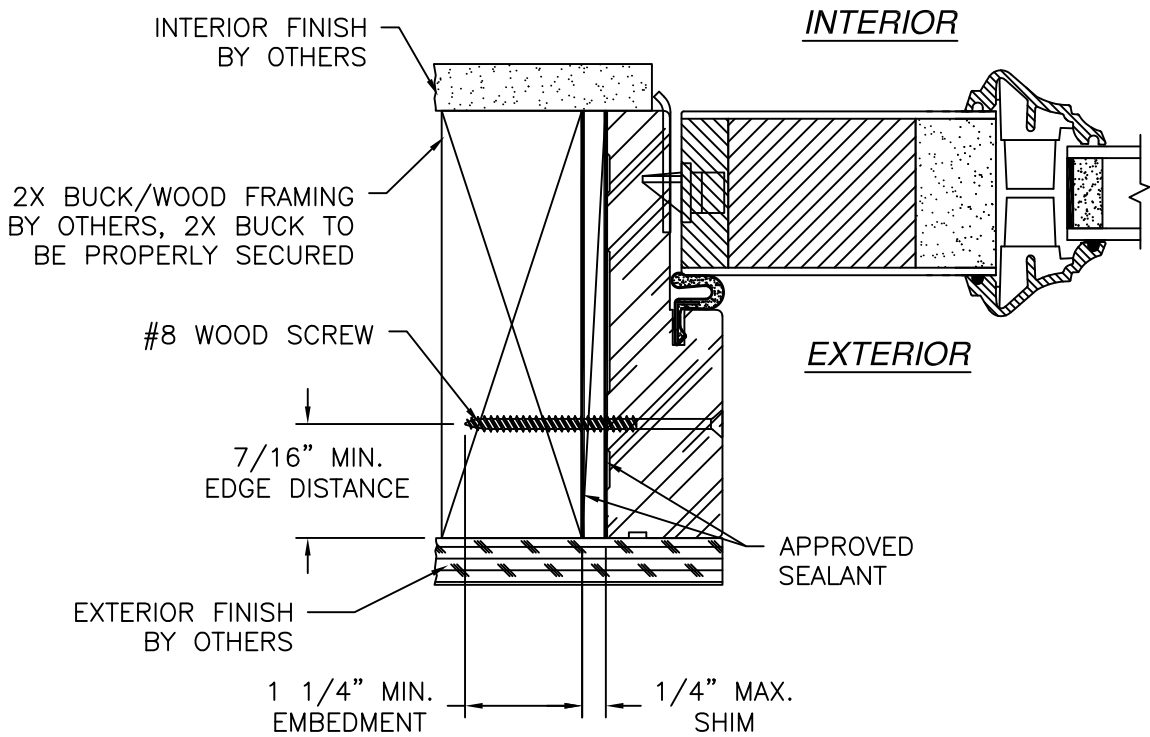
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VERTICAL CROSS SECTION INSWING
2X BUCK/WOOD FRAMING



HORIZONTAL CROSS SECTION INSWING
2X BUCK/WOOD FRAMING
STRIKE JAMB SHOWN, HINGE JAMB SIMILAR

- 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

SIGNED: 09/28/2026

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

PREMIUM GLAZED FIBERGLASS DOOR IS/OS

3'0 x 6'8 SINGLE – NON-IMPACT

INSWING INSTALLATION DETAILS

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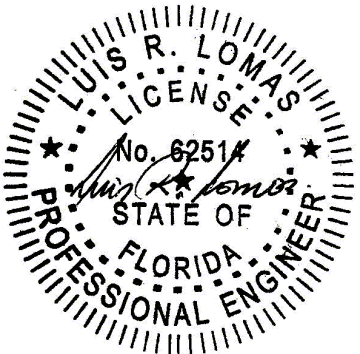
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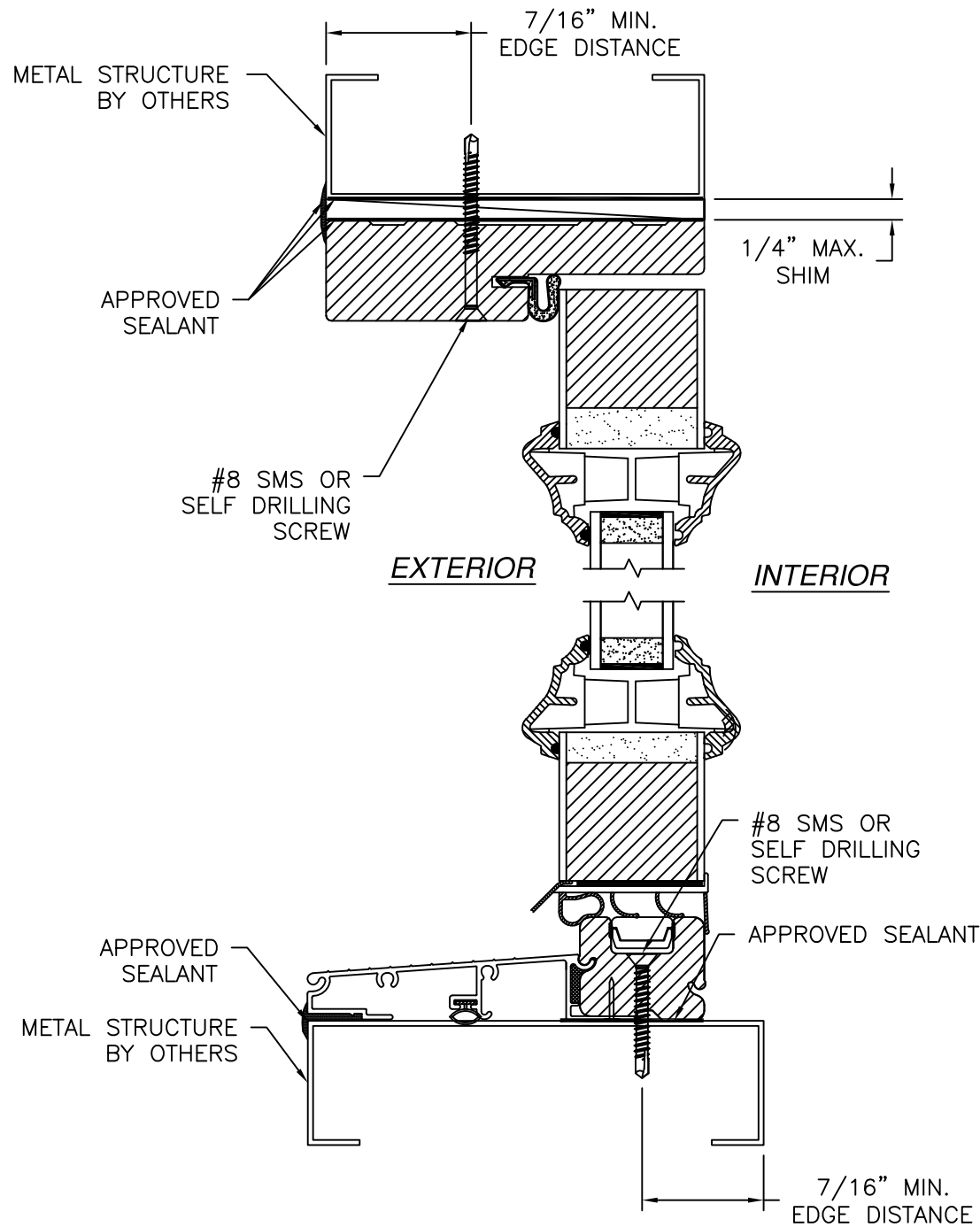
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434-688-0609 rllomas@lrlomaspe.com

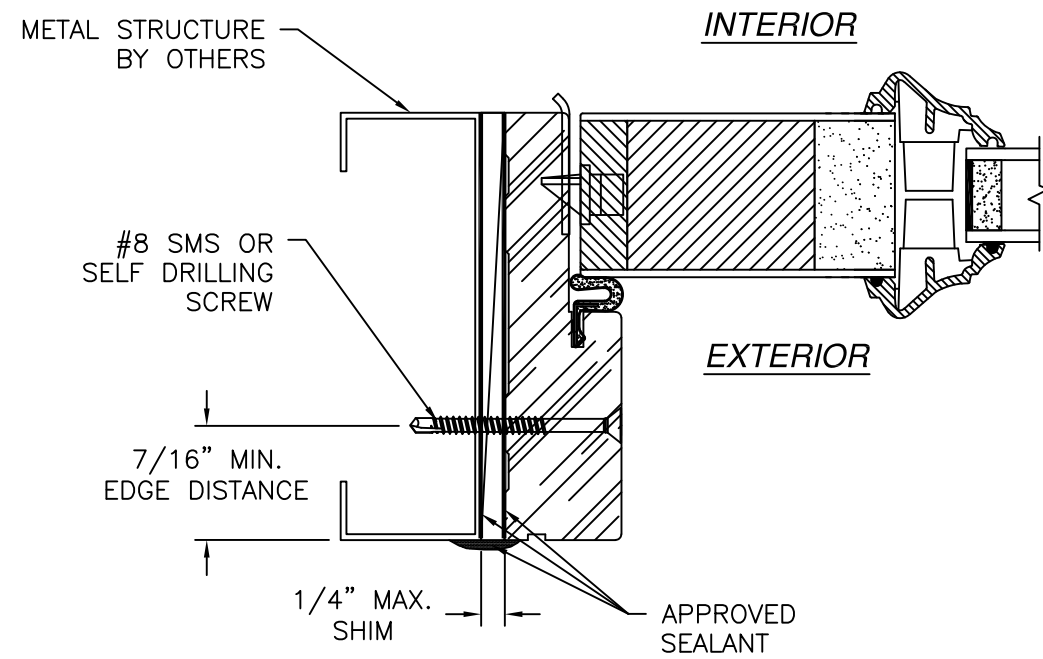


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VERTICAL CROSS SECTION INSWING
METAL STRUCTURE INSTALLATION

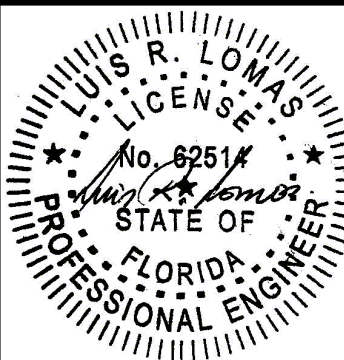


HORIZONTAL CROSS SECTION INSWING
METAL STRUCTURE INSTALLATION
STRIKE JAMB SHOWN, HINGE JAMB SIMILAR

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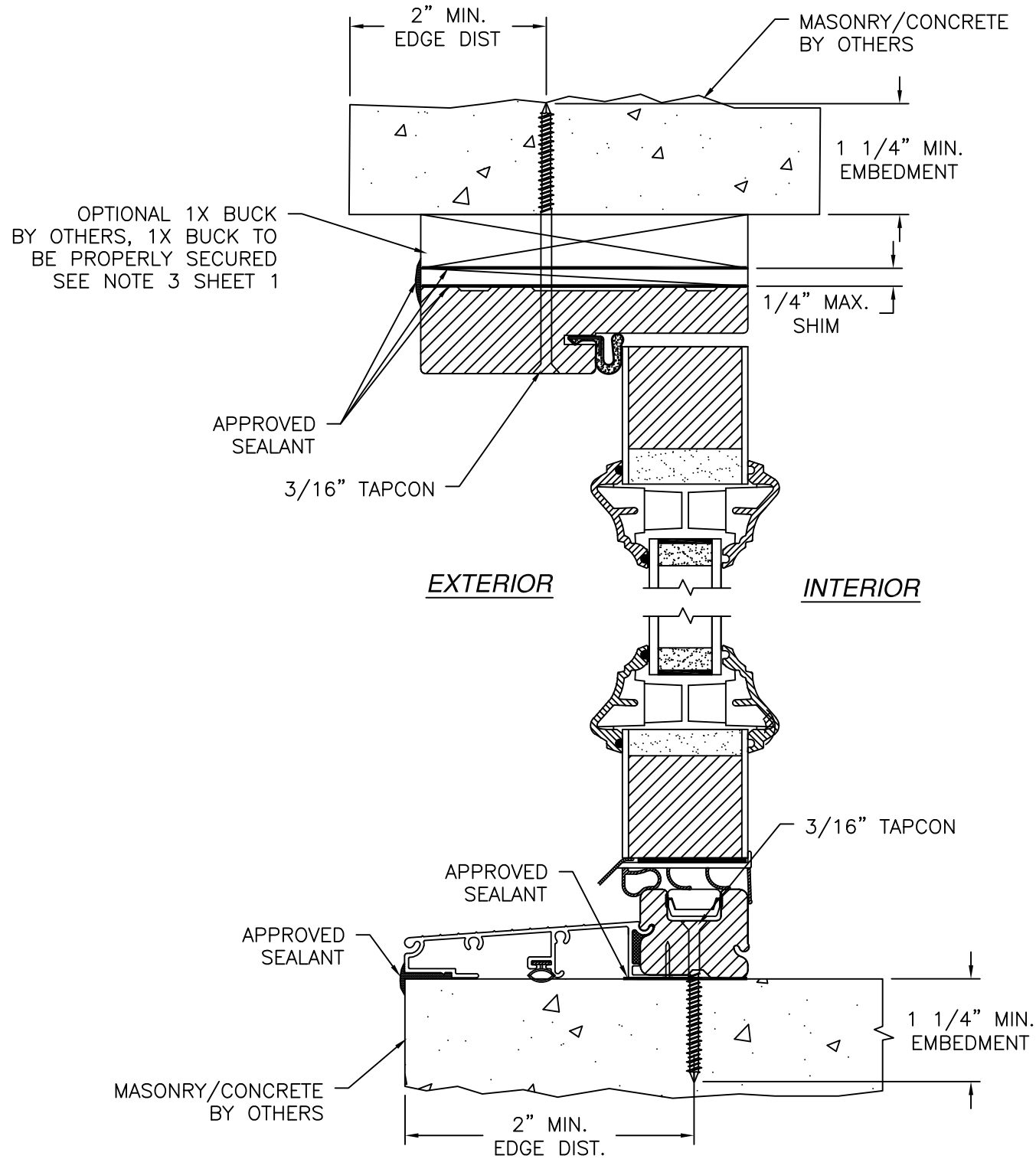
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PREMIUM GLAZED FIBERGLASS DOOR IS/OS 3'0 x 6'8 SINGLE – NON-IMPACT INSWING INSTALLATION DETAILS		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

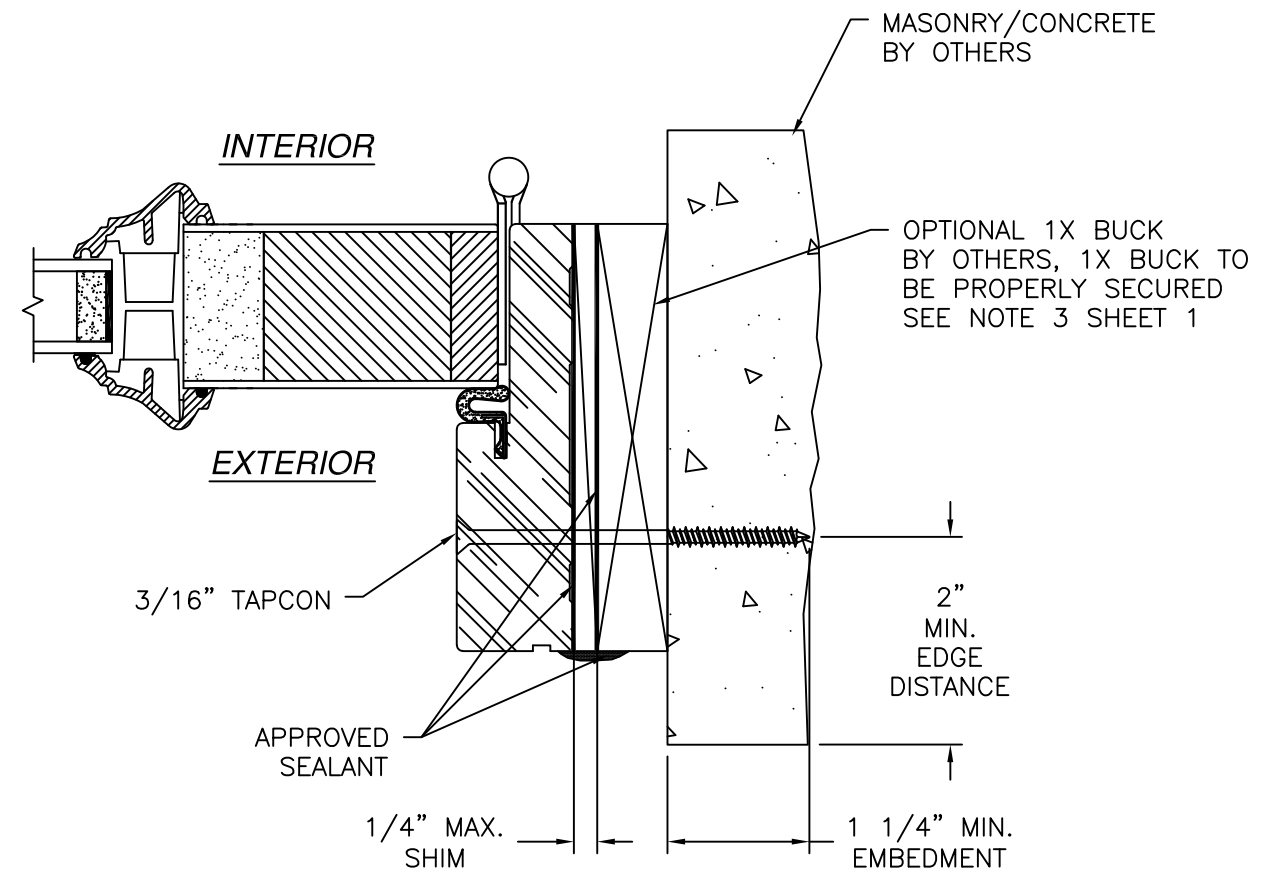


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VERTICAL CROSS SECTION INSWING
MASONRY/CONCRETE INSTALLATION



HORIZONTAL CROSS SECTION INSWING
MASONRY/CONCRETE INSTALLATION
HINGE JAMB SHOW, STRIKE JAMB SIMILAR

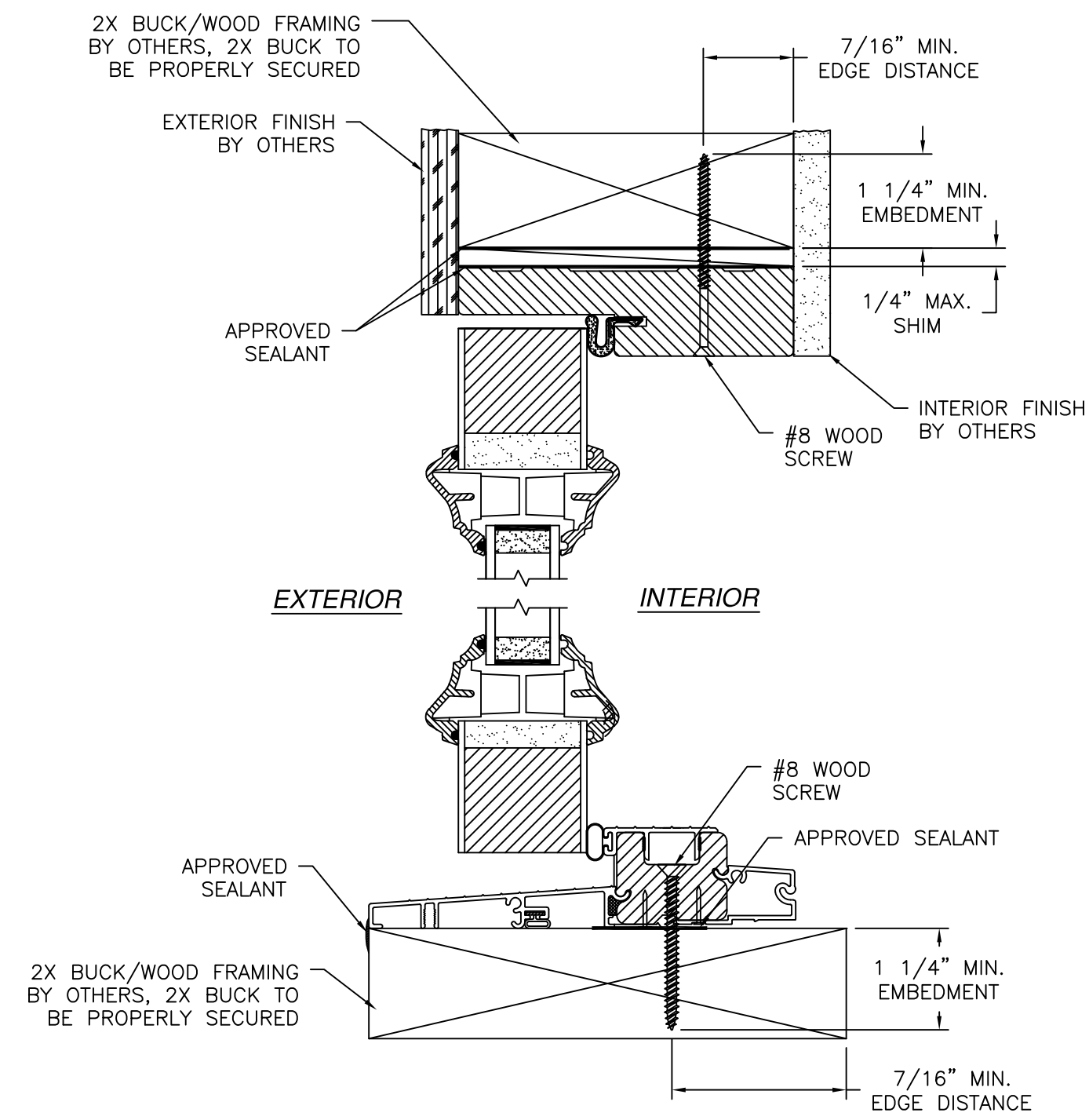
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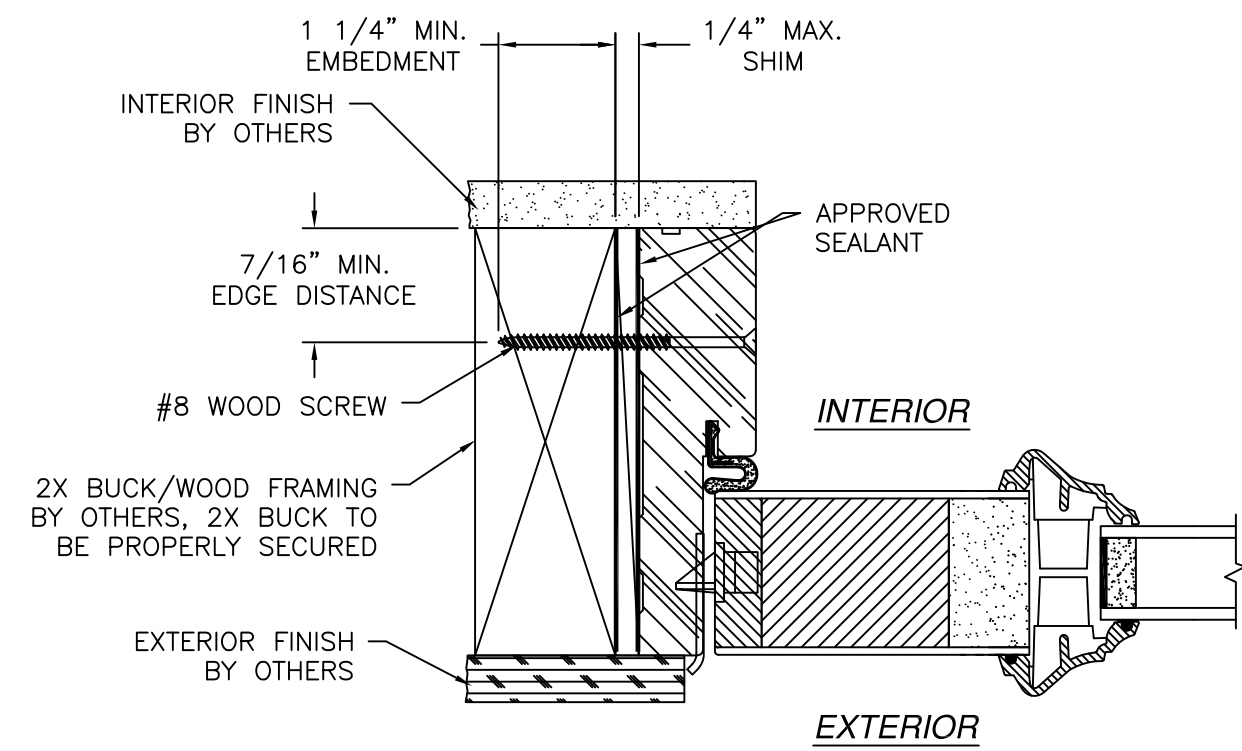
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PREMIUM GLAZED FIBERGLASS DOOR IS/OS 3'0 x 6'8 SINGLE – NON-IMPACT INSWING INSTALLATION DETAILS			
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VERTICAL CROSS SECTION OUTSWING
2X BUCK/WOOD FRAMING



HORIZONTAL CROSS SECTION OUTSWING
2X BUCK/WOOD FRAMING
STRIKE JAMB SHOWN, HINGE JAMB SIMILAR

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PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

PREMIUM GLAZED FIBERGLASS DOOR IS/OS

3'0 x 6'8 SINGLE – NON-IMPACT

OUTWING INSTALLATION DETAILS

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LICENS. M.E.

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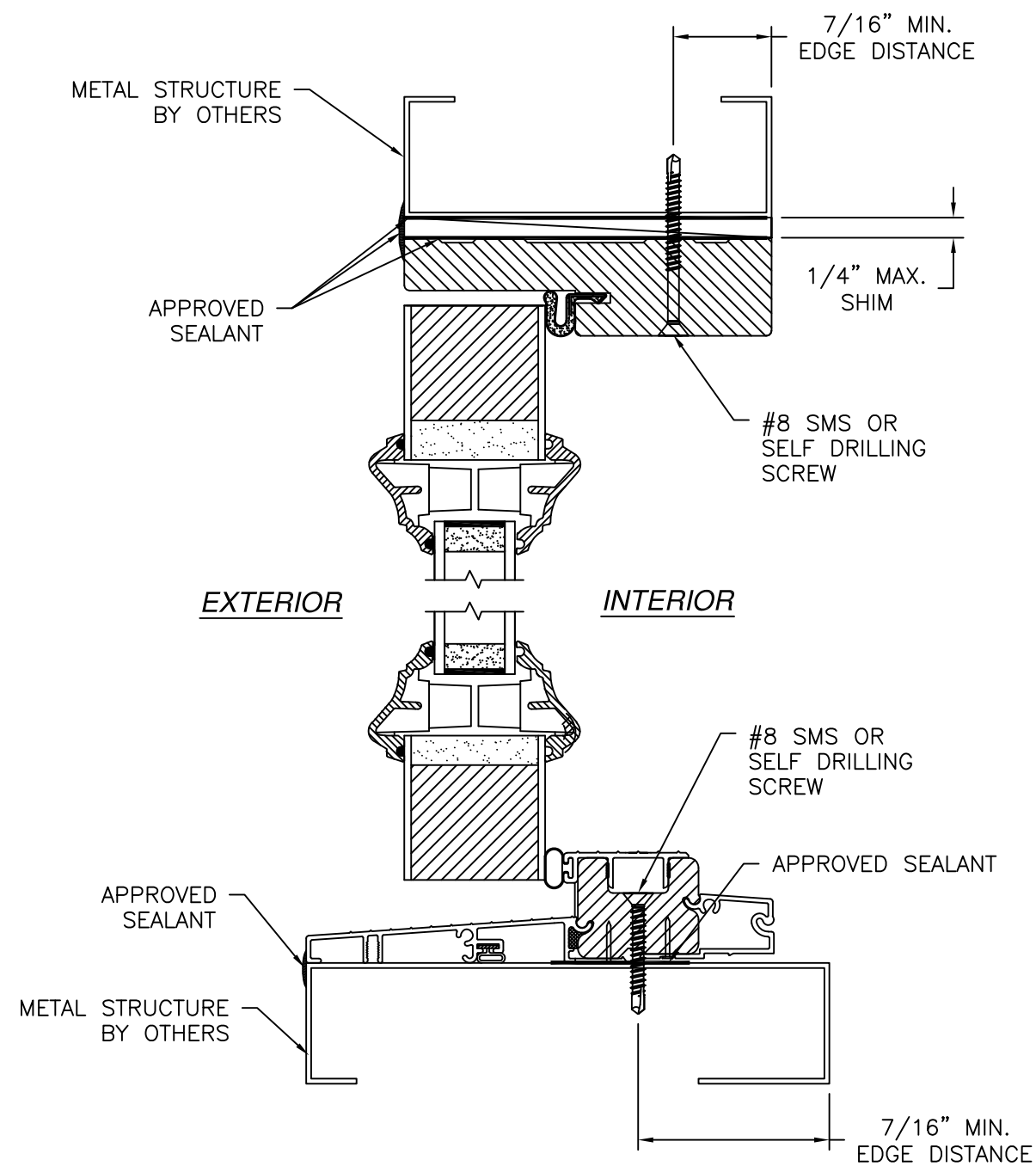
STATE OF FLORIDA

PROFESSIONAL ENGINEER

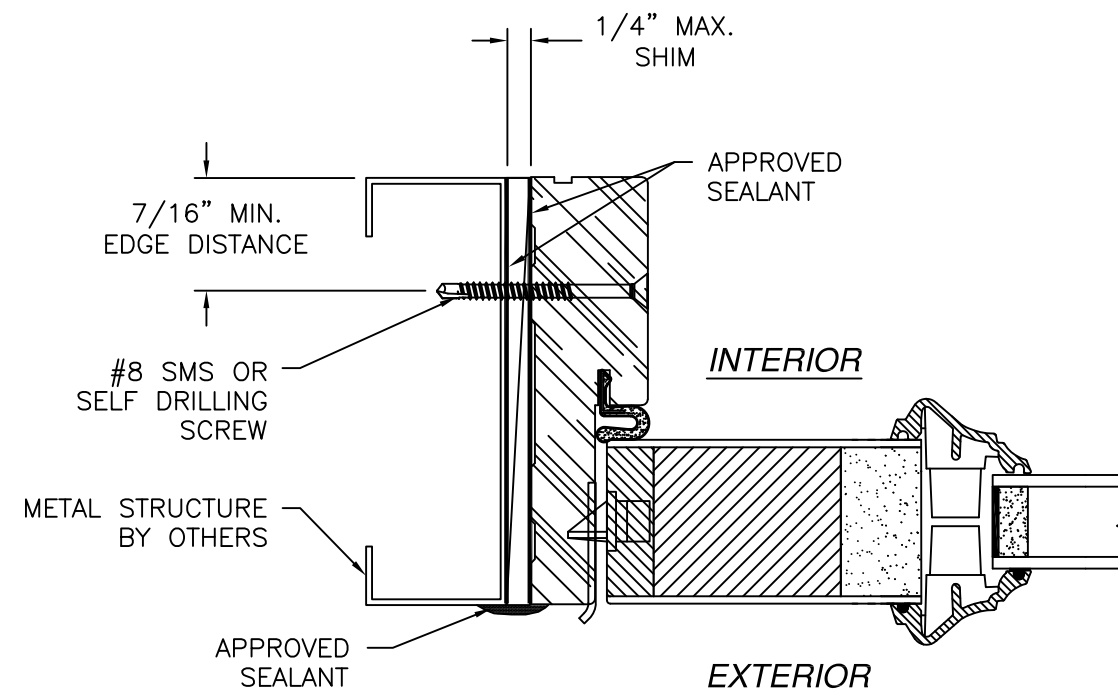
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VERTICAL CROSS SECTION OUTSWING
METAL STRUCTURE INSTALLATION

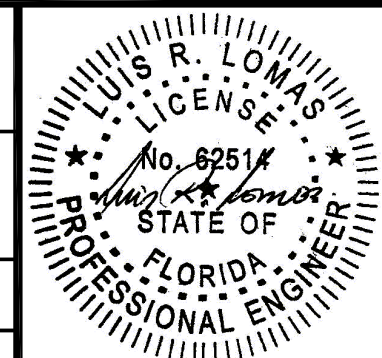


HORIZONTAL CROSS SECTION OUTSWING
METAL STRUCTURE INSTALLATION
STRIKE JAMB SHOWN, HINGE JAMB SIMILAR

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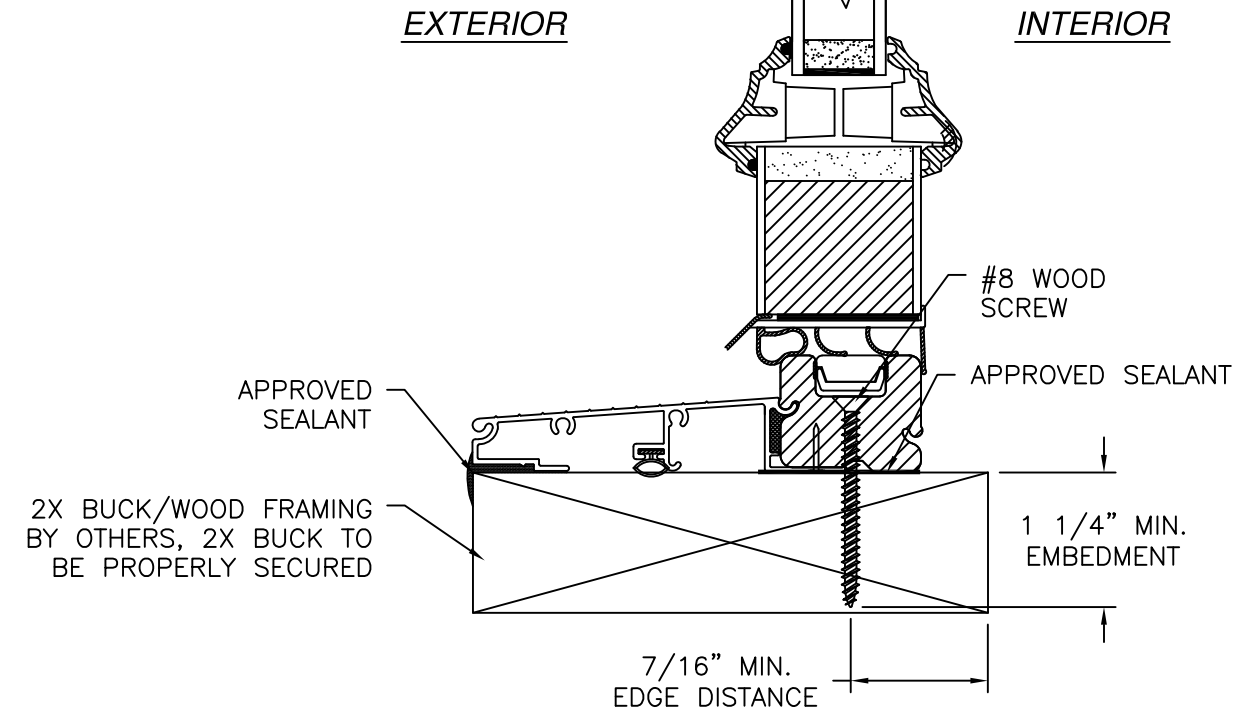
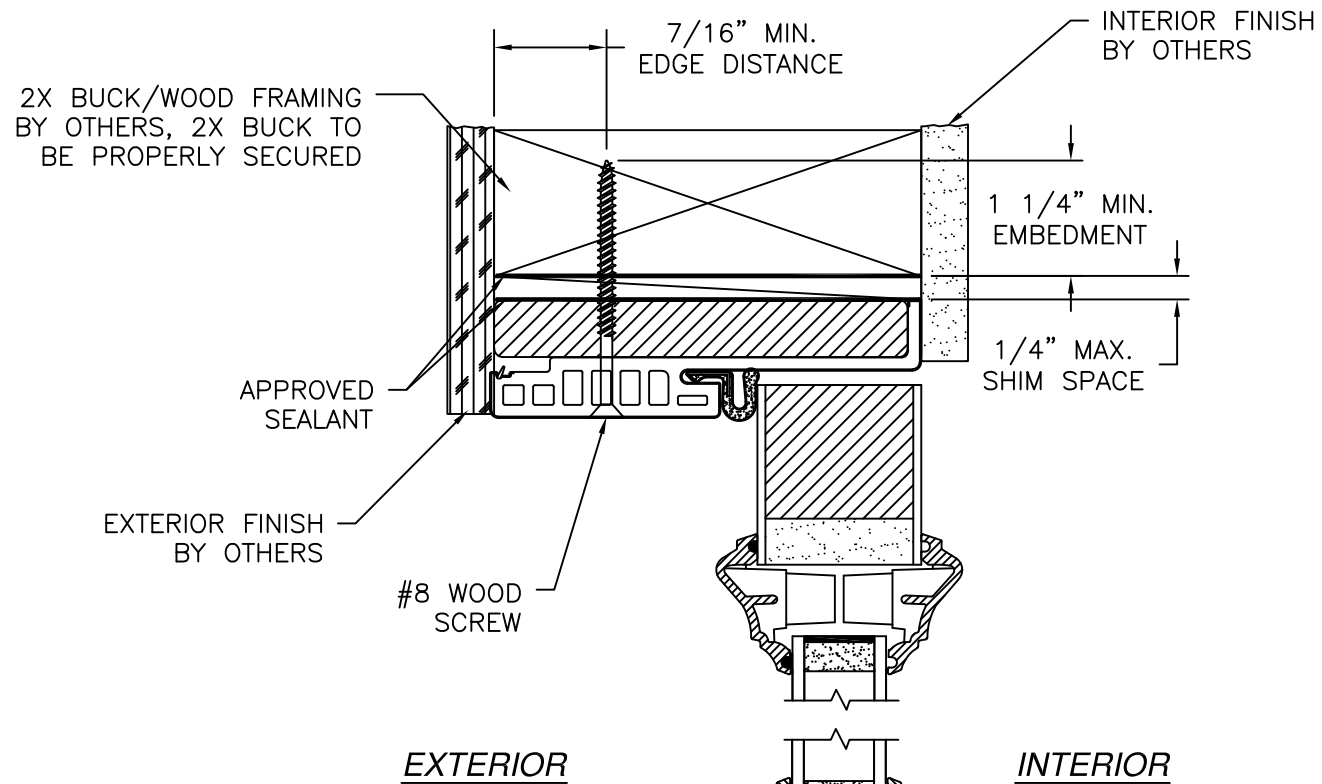
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

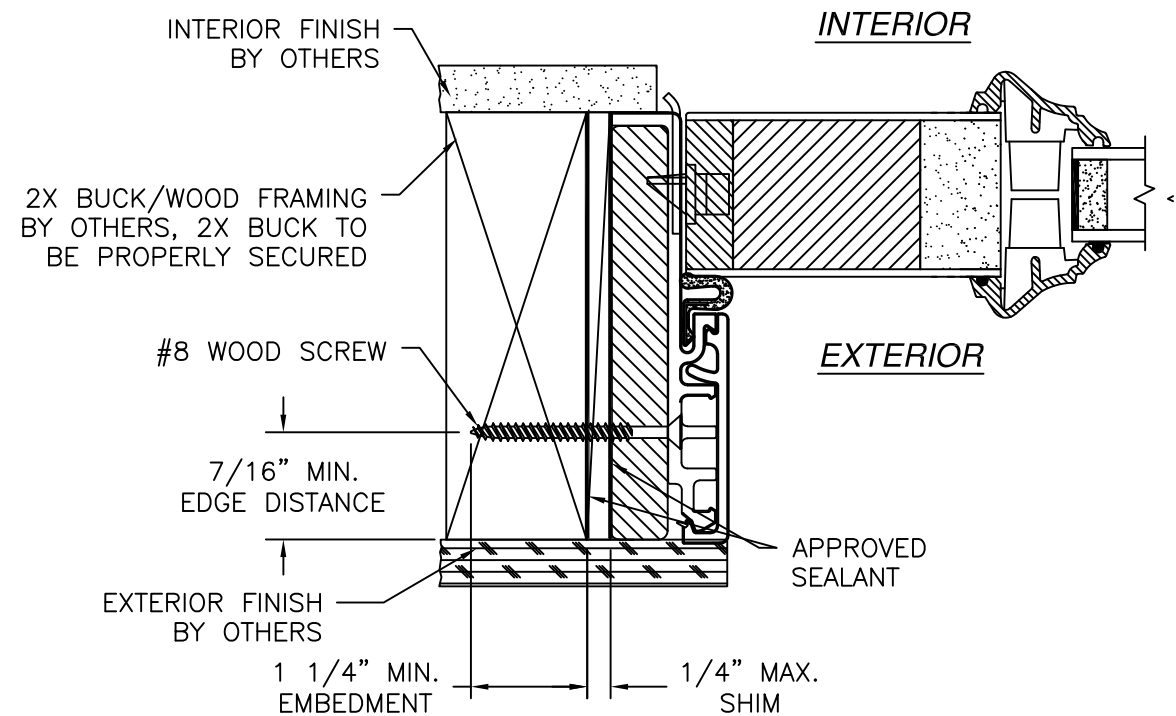


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2X BUCK/WOOD FRAMING



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2X BUCK/WOOD FRAMING
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PREMIUM GLAZED FIBERGLASS DOOR IS/OS

3'0 x 6'8 SINGLE – NON-IMPACT

INSWING INSTALLATION DETAILS W/FUSION FRAME

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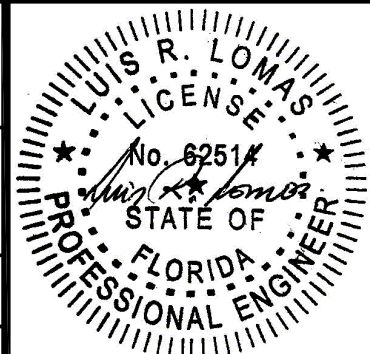
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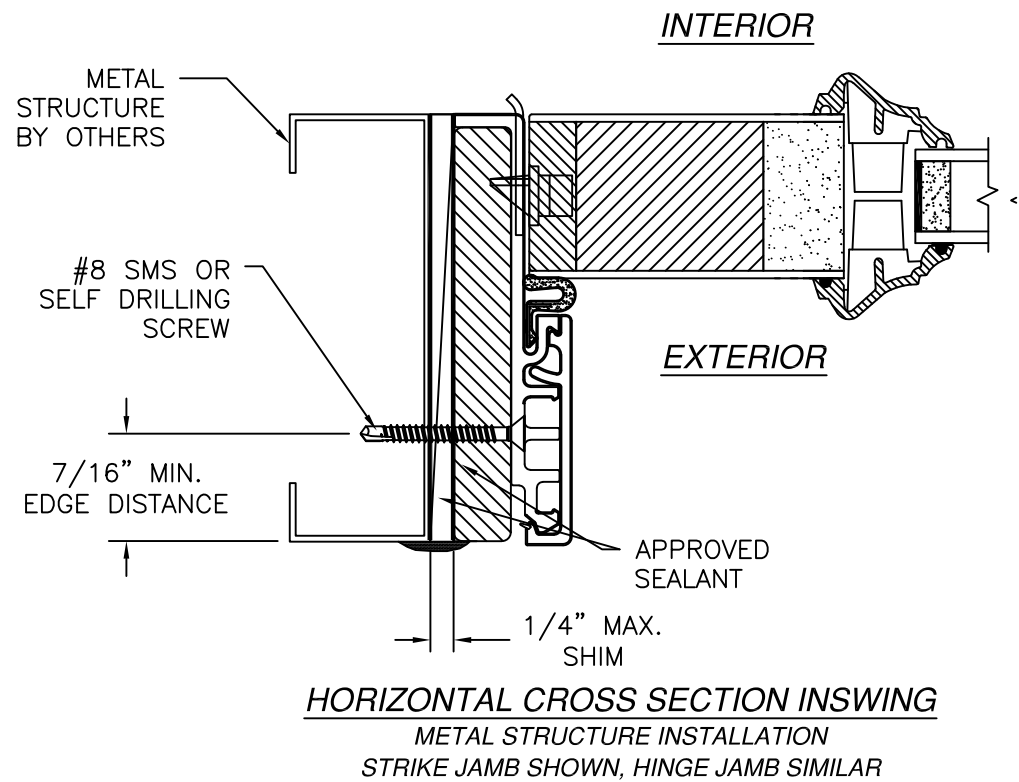
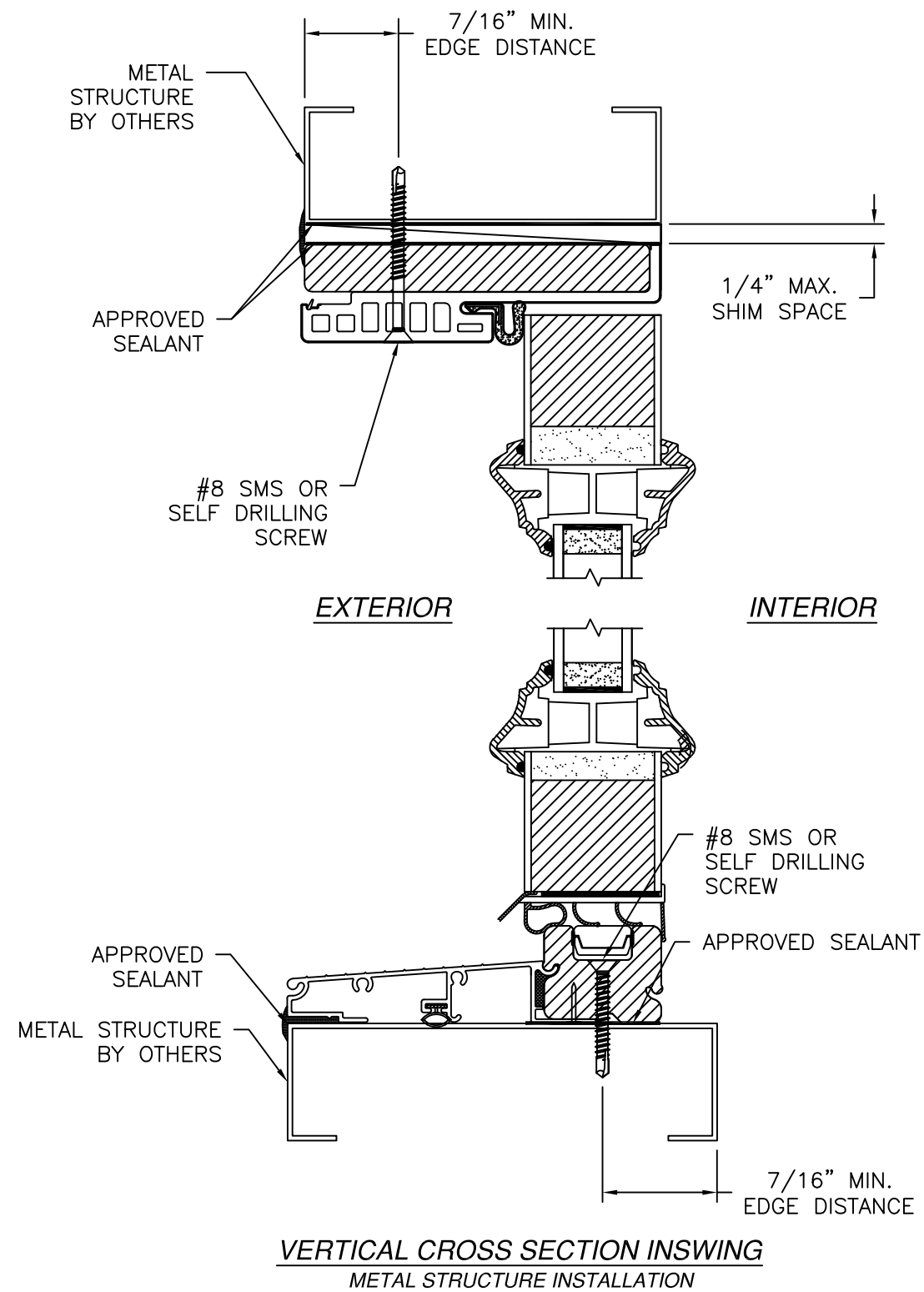
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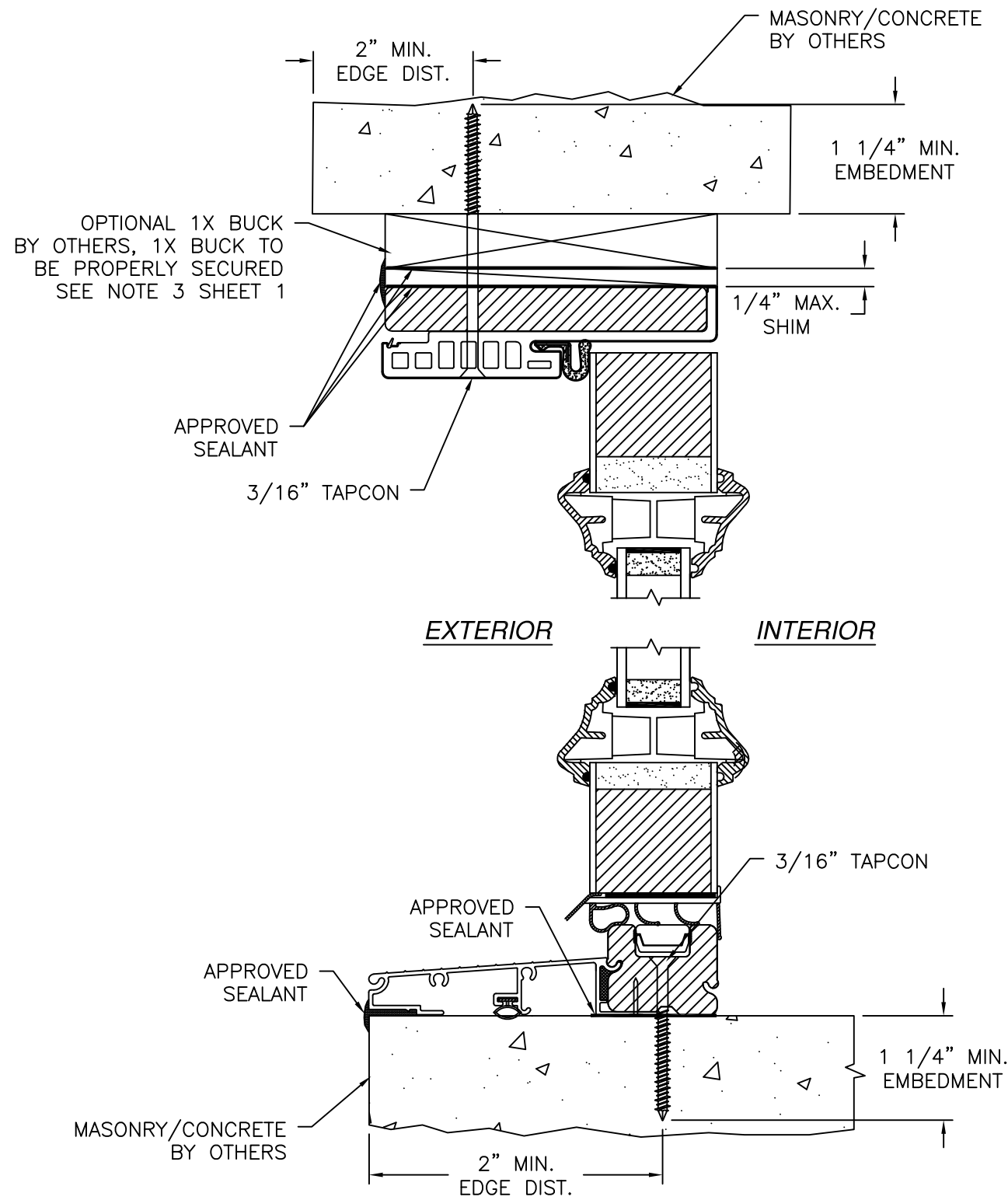
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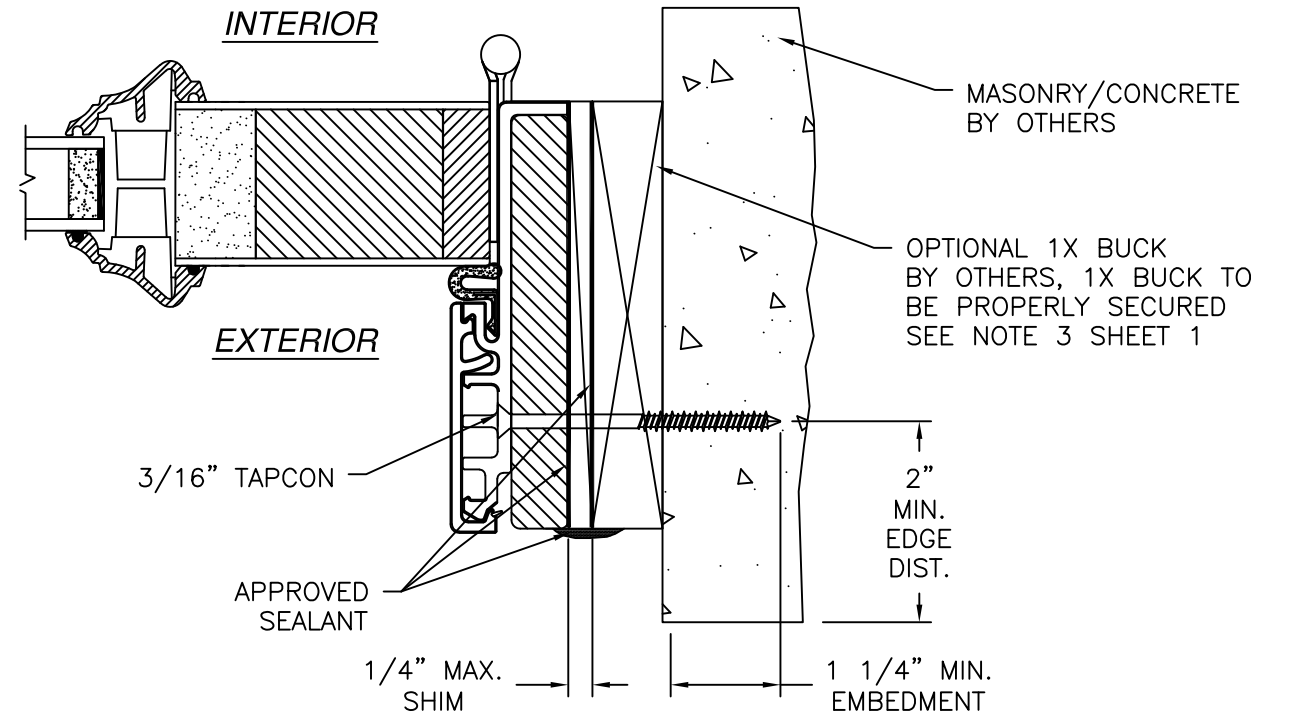
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			

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VERTICAL CROSS SECTION INSWING
MASONRY/CONCRETE INSTALLATION

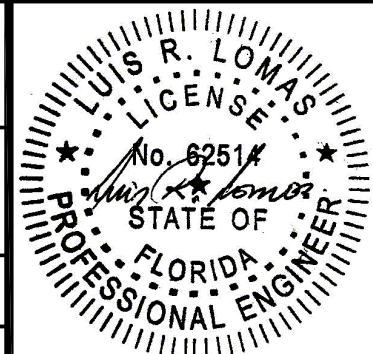


HORIZONTAL CROSS SECTION INSWING
MASONRY/CONCRETE INSTALLATION
HINGE JAMB SHOW, STRIKE JAMB SIMILAR

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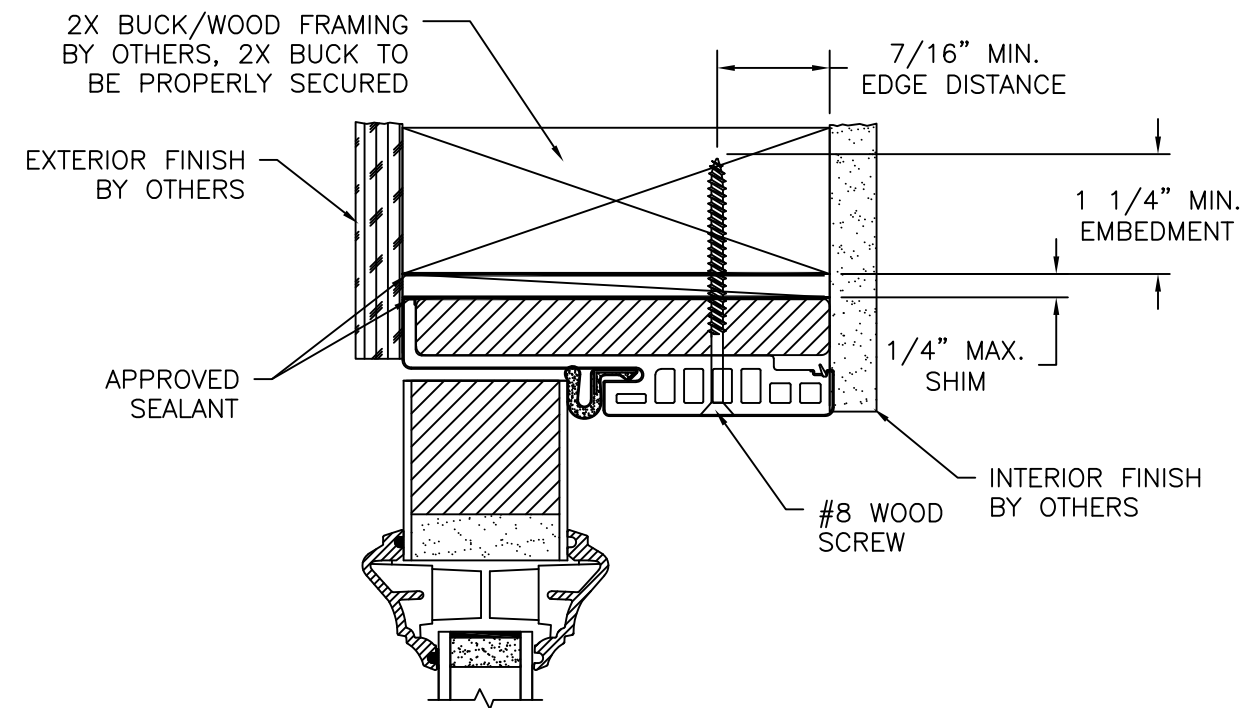
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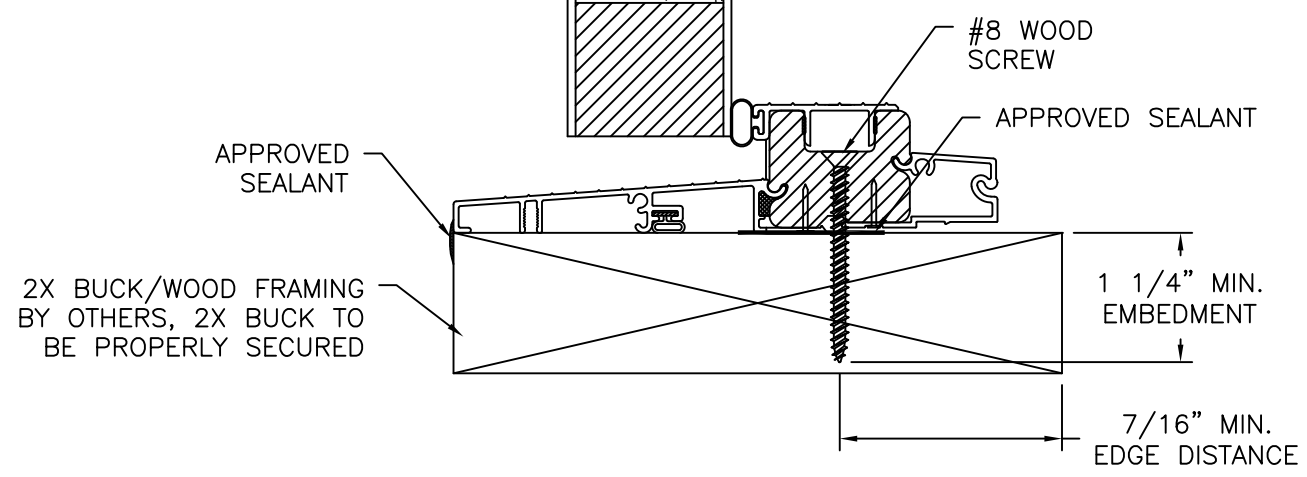
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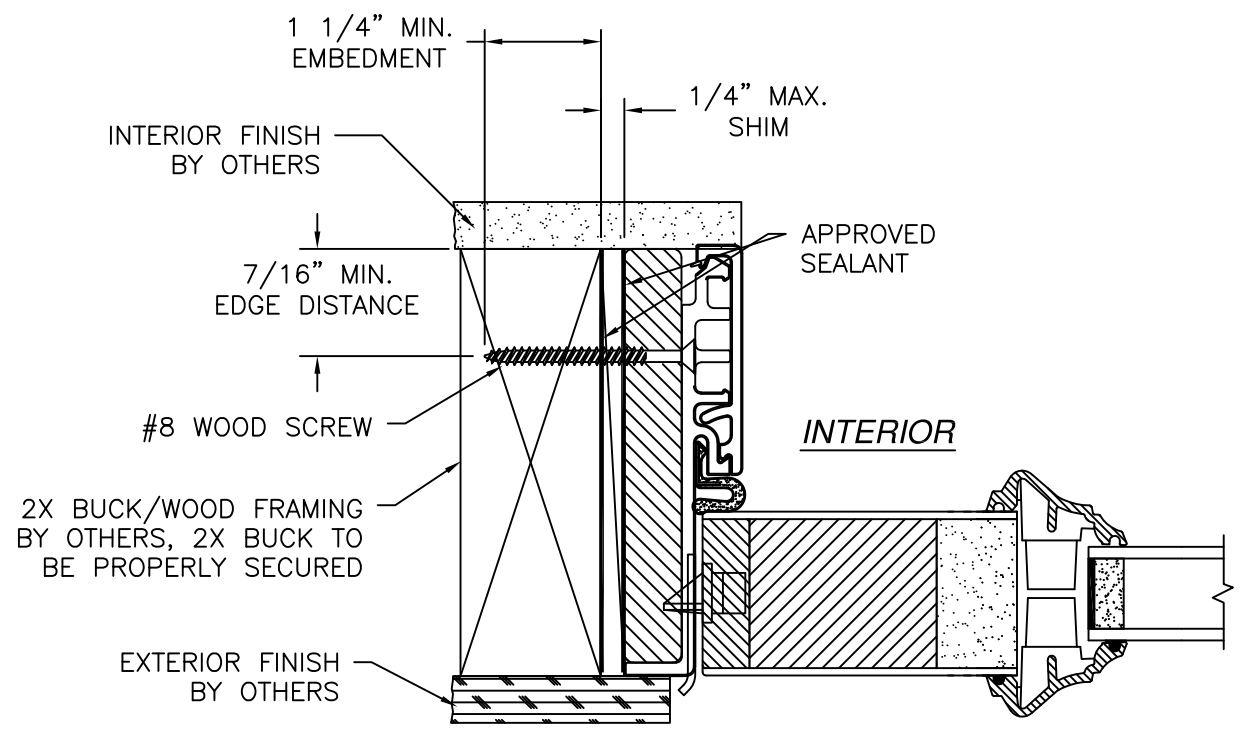


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION OUTSWING
2X BUCK/WOOD FRAMING



INTERIOR

EXTERIOR

HORIZONTAL CROSS SECTION OUTSWING
2X BUCK/WOOD FRAMING
STRIKE JAMB SHOWN, HINGE JAMB SIMILAR

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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 09/28/2026

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

PREMIUM GLAZED FIBERGLASS DOOR IS/OS

3'0 x 6'8 SINGLE – NON-IMPACT

OUTWING INSTALLATION DETAILS

DRAWN: TJH

DWG NO. 08-01098

REV F

SCALE NTS

DATE 08/18/10

SHEET 13 OF 17

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS

LICENS. M. S.

No. 62514

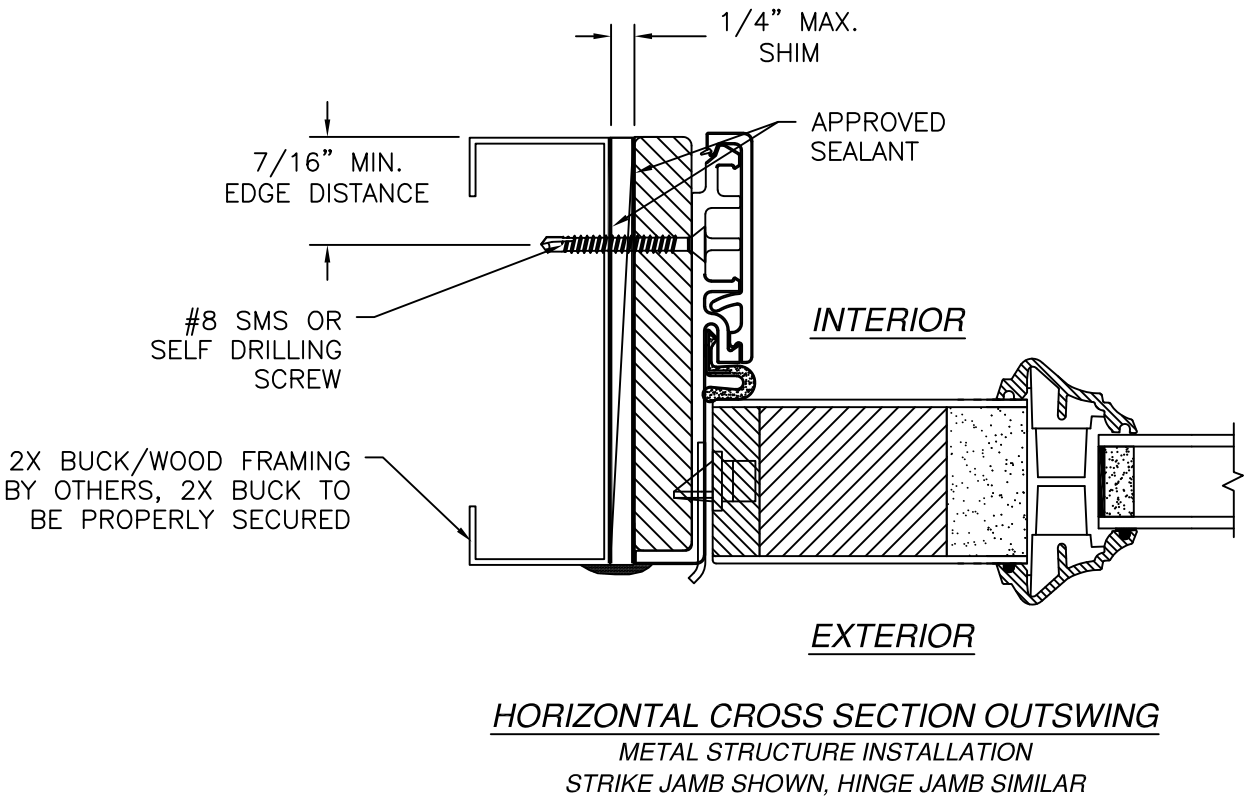
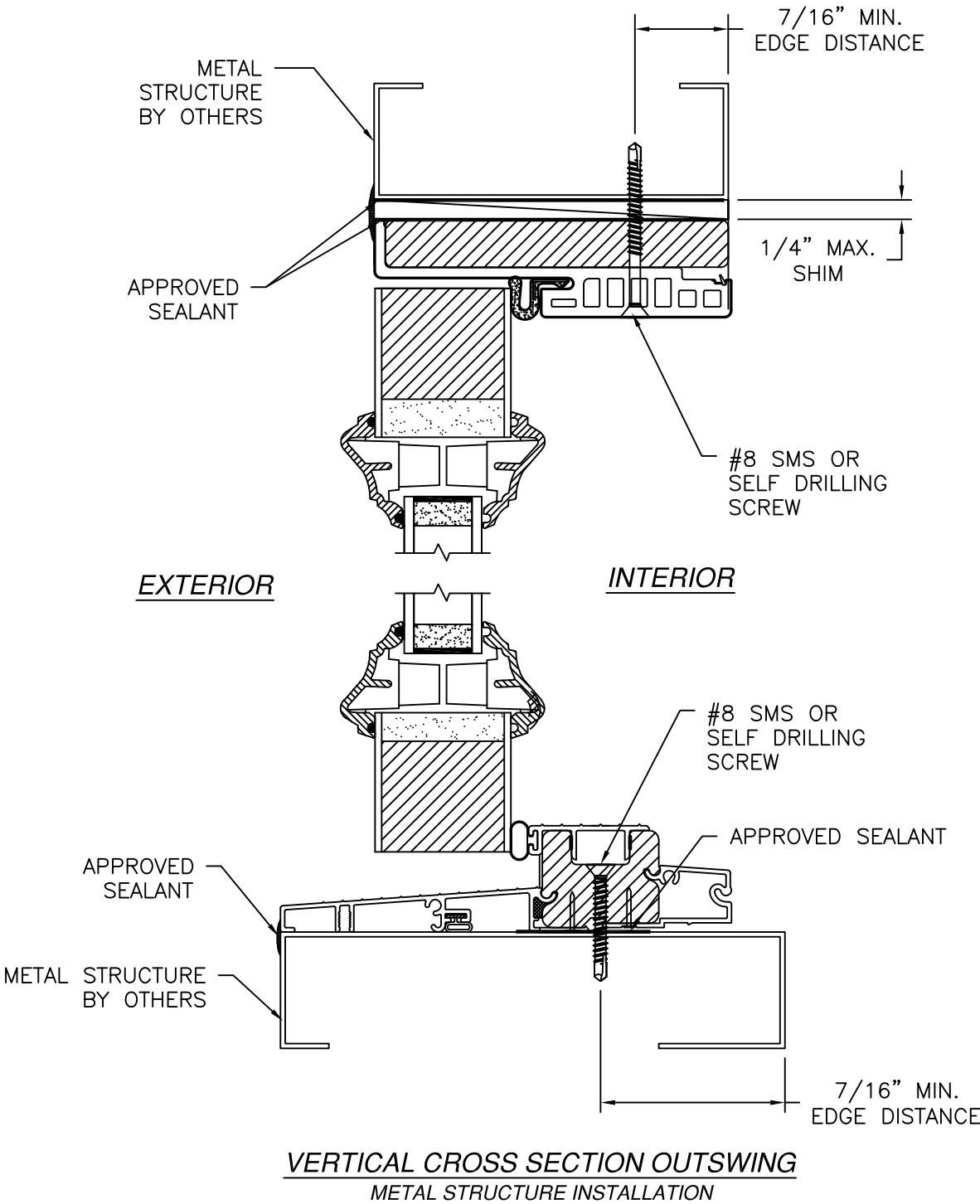
STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514

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



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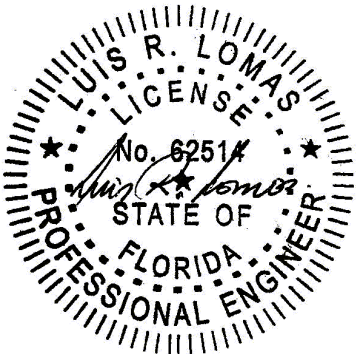
DATE 08/18/10

SHEET 14 OF 17

L. ROBERTO LOMAS P.E.

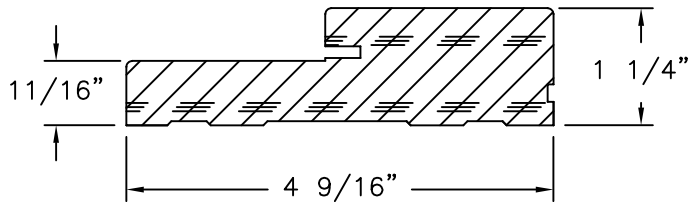
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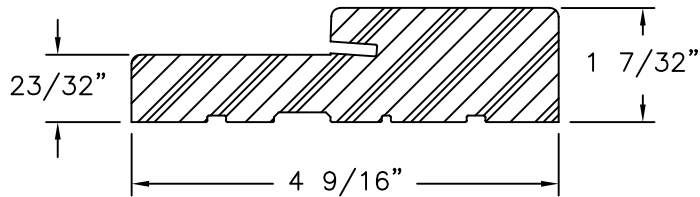


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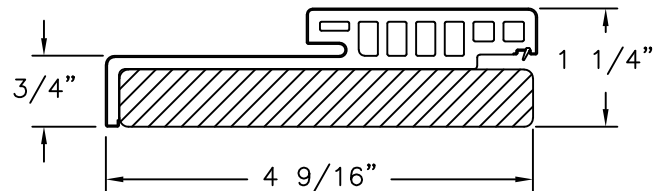
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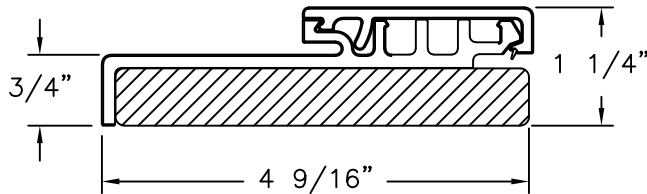
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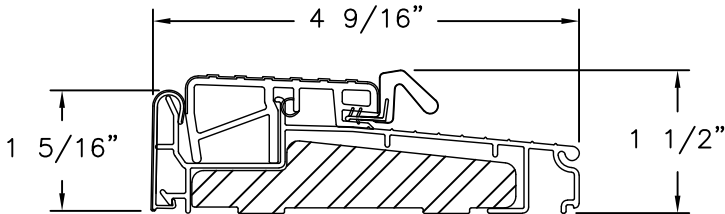
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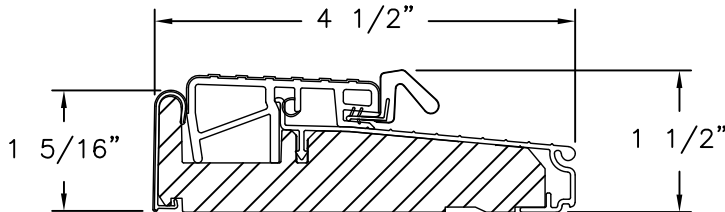
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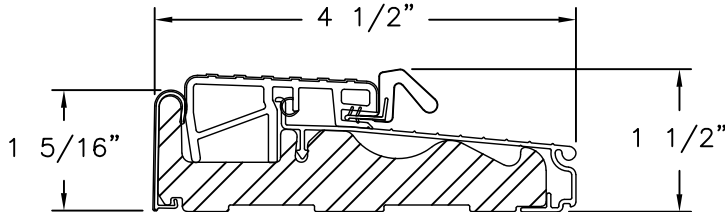
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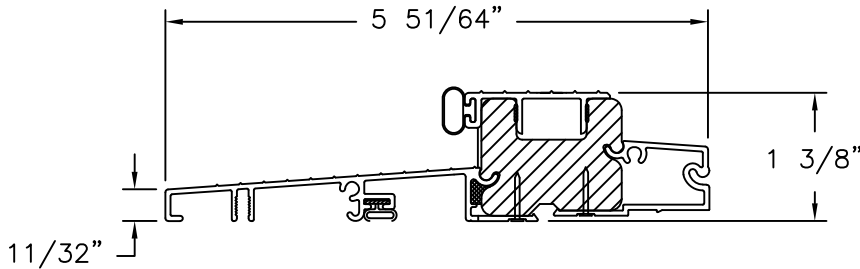
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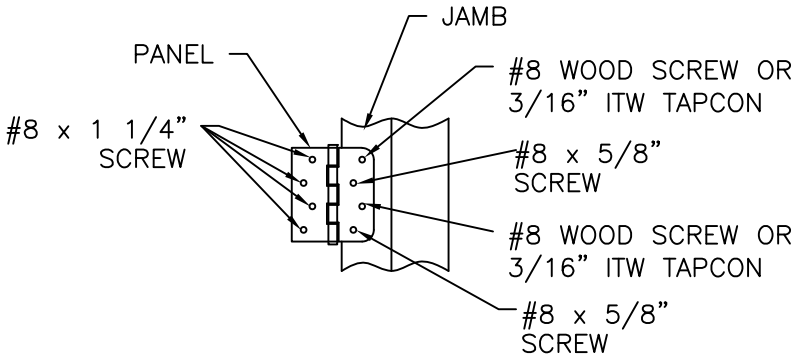
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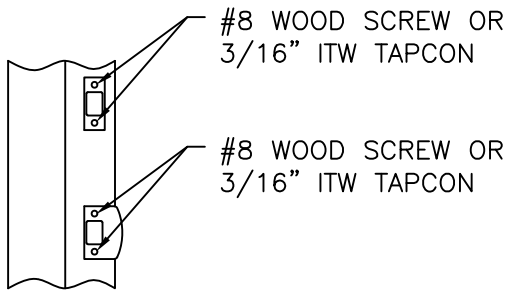
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OUTSWING SILL



DETAIL A HINGE DETAIL



DETAIL B STRIKE DETAIL

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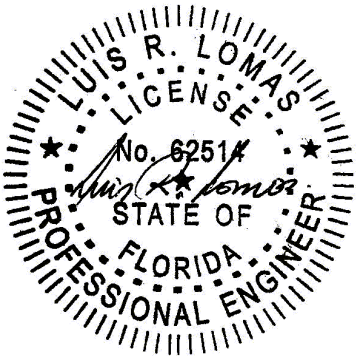
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SHEET 16 OF 17

L. ROBERTO LOMAS P.E.

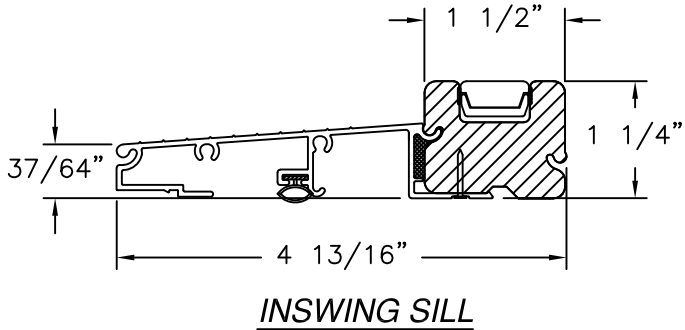
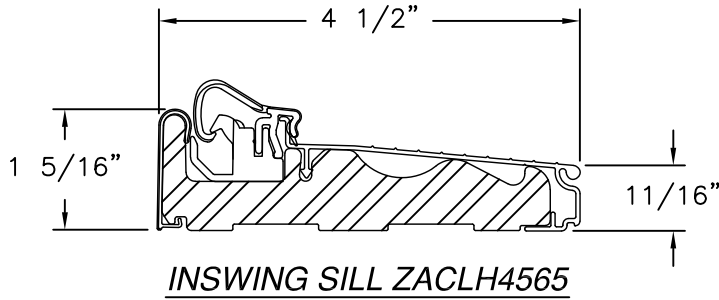
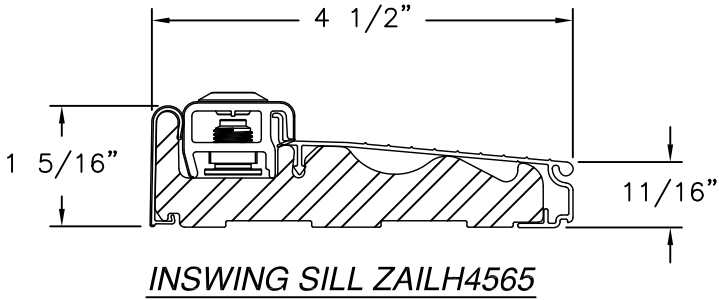
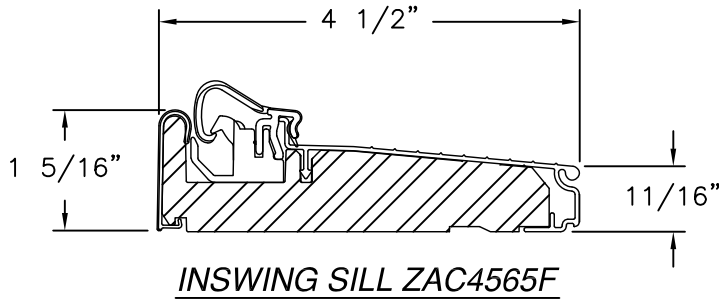
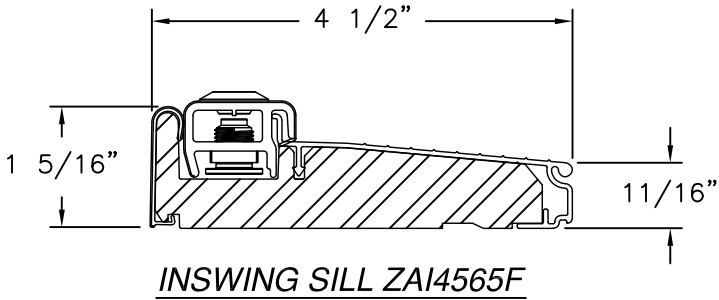
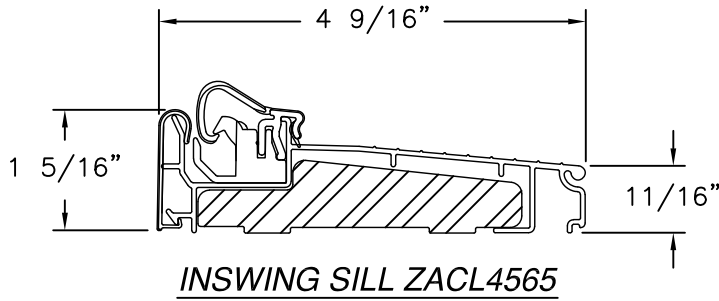
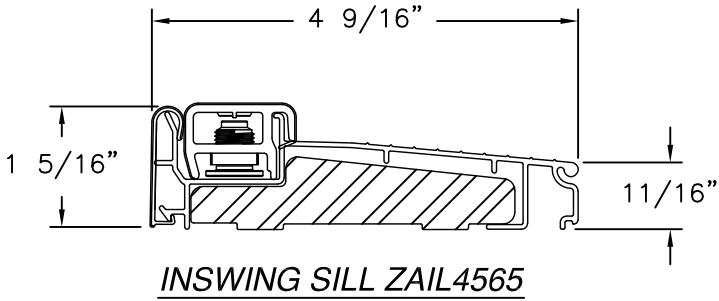
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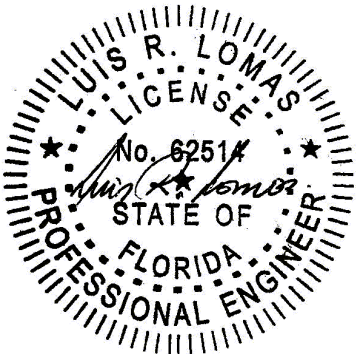
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