

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	12/31/19	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 E1300–04/09, 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: 20GA. (.040” THICK MINIMUM) FORMED STEEL WITH FIBERGLASS TOP AND BOTTOM RAIL .0938” THICK.
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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2	ELEVATIONS
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4 – 15	INSTALLATION DETAILS
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PROVIA, LLC.

2150 STATE ROUTE 39 WEST

SUGARCREEK, OH 44681

20GA.GLAZED STEEL DOOR IS/OS

3’0 x 6’8 SINGLE – NON–IMPACT

NOTES

DRAWN:

TJH

DWG NO.

08–01116

REV

E

SCALE

NTS

DATE

09/07/10

SHEET

1

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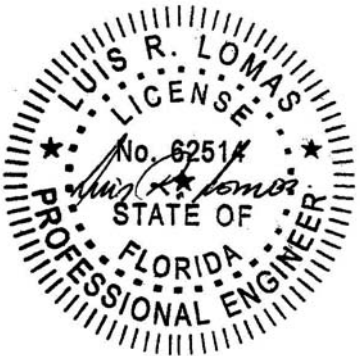
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L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

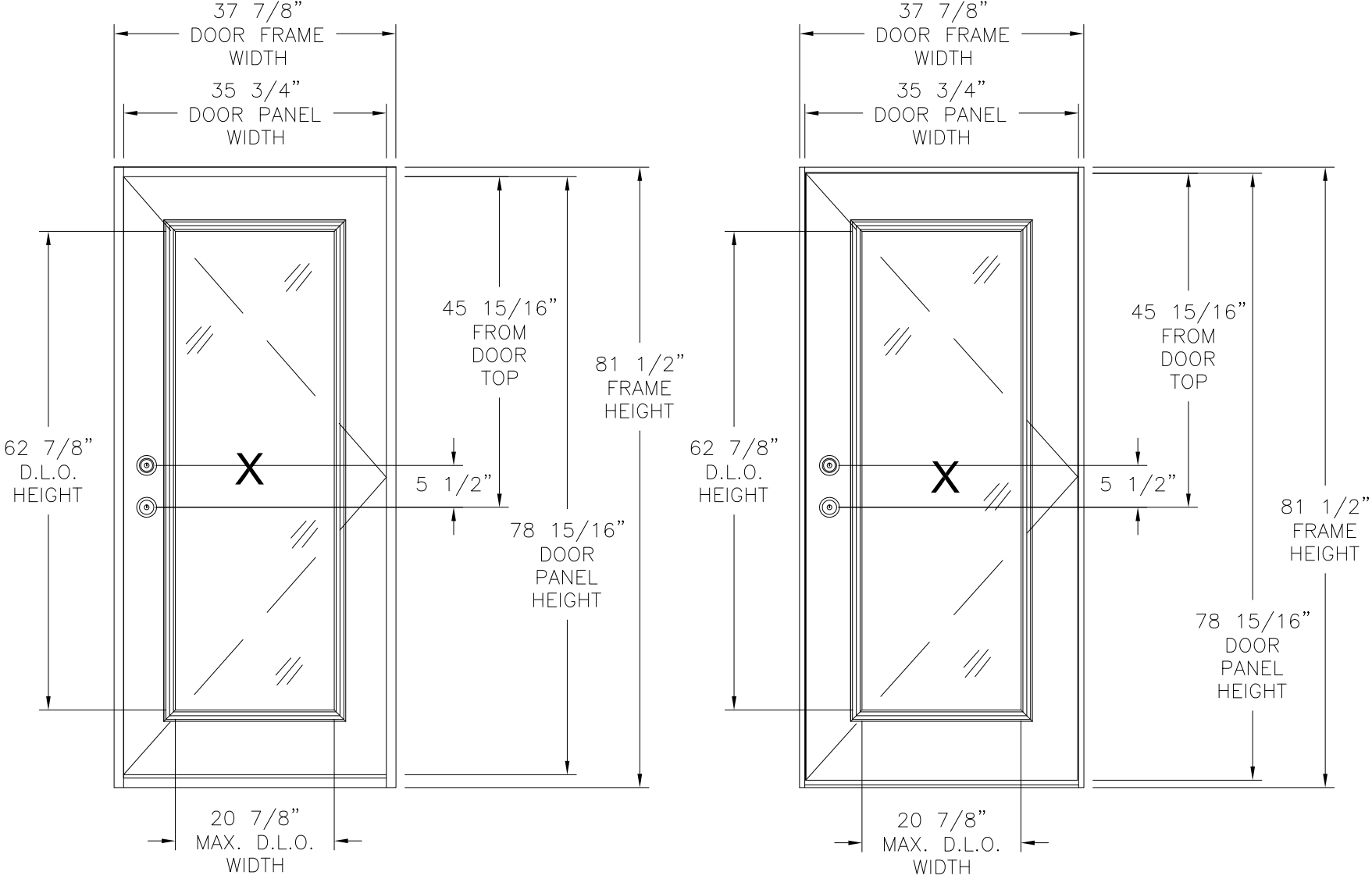
434-688-0609 rllomas@lrlomaspe.com

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20GA. GLAZED STEEL SINGLE INSWING
EXTERIOR VIEW

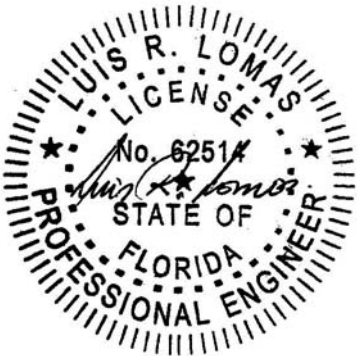
20GA. GLAZED STEEL SINGLE OUTSWING
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±80PSF	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 78 15/16" PANEL SHOWN, OTHER SIZES APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 19.59 FT²

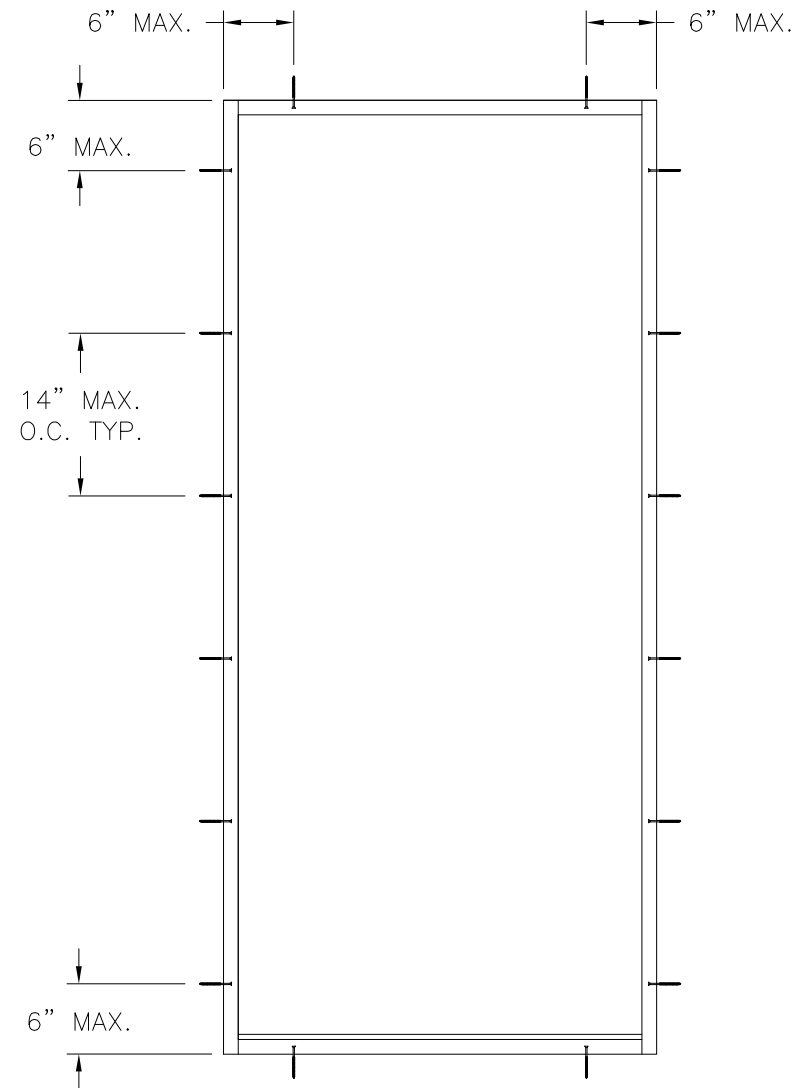
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
20GA.GLAZED STEEL DOOR IS/OS 3'0 x 6'8 SINGLE – NON-IMPACT ELEVATIONS		
DRAWN: TJH	DWG NO. 08-01116	REV E
SCALE NTS	DATE 09/07/10	SHEET 2 OF 17
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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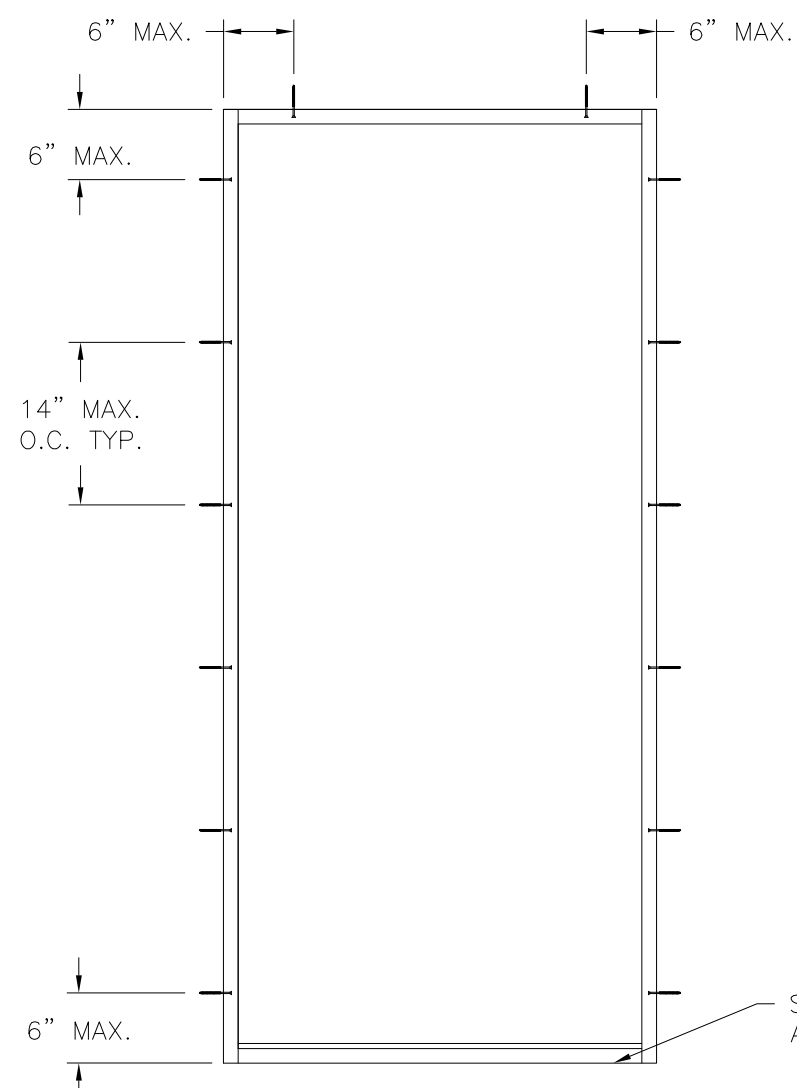


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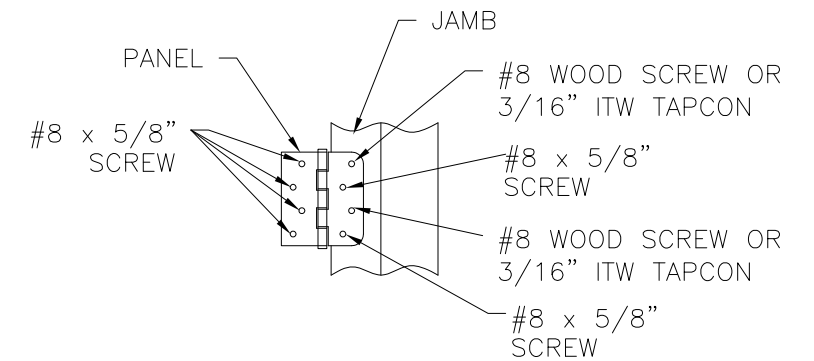
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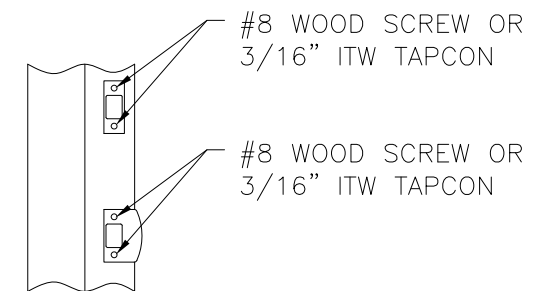
INSWING/OUTSWING ANCHORING LAYOUT
STANDARD SILL INSTALLATION



INSWING/OUTSWING ANCHORING LAYOUT
OPTIONAL SILL INSTALLATION



DETAIL A HINGE DETAIL



DETAIL B STRIKE DETAIL

<u>HARDWARE SCHEDULE</u>
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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ANCHORING, DETAILS AND HARDWARE

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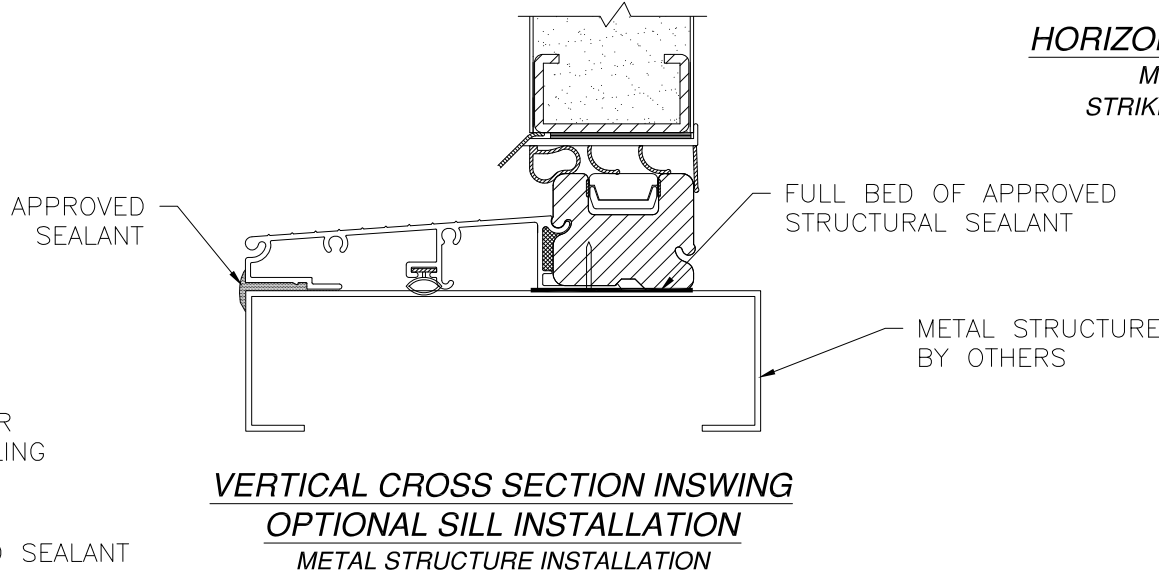
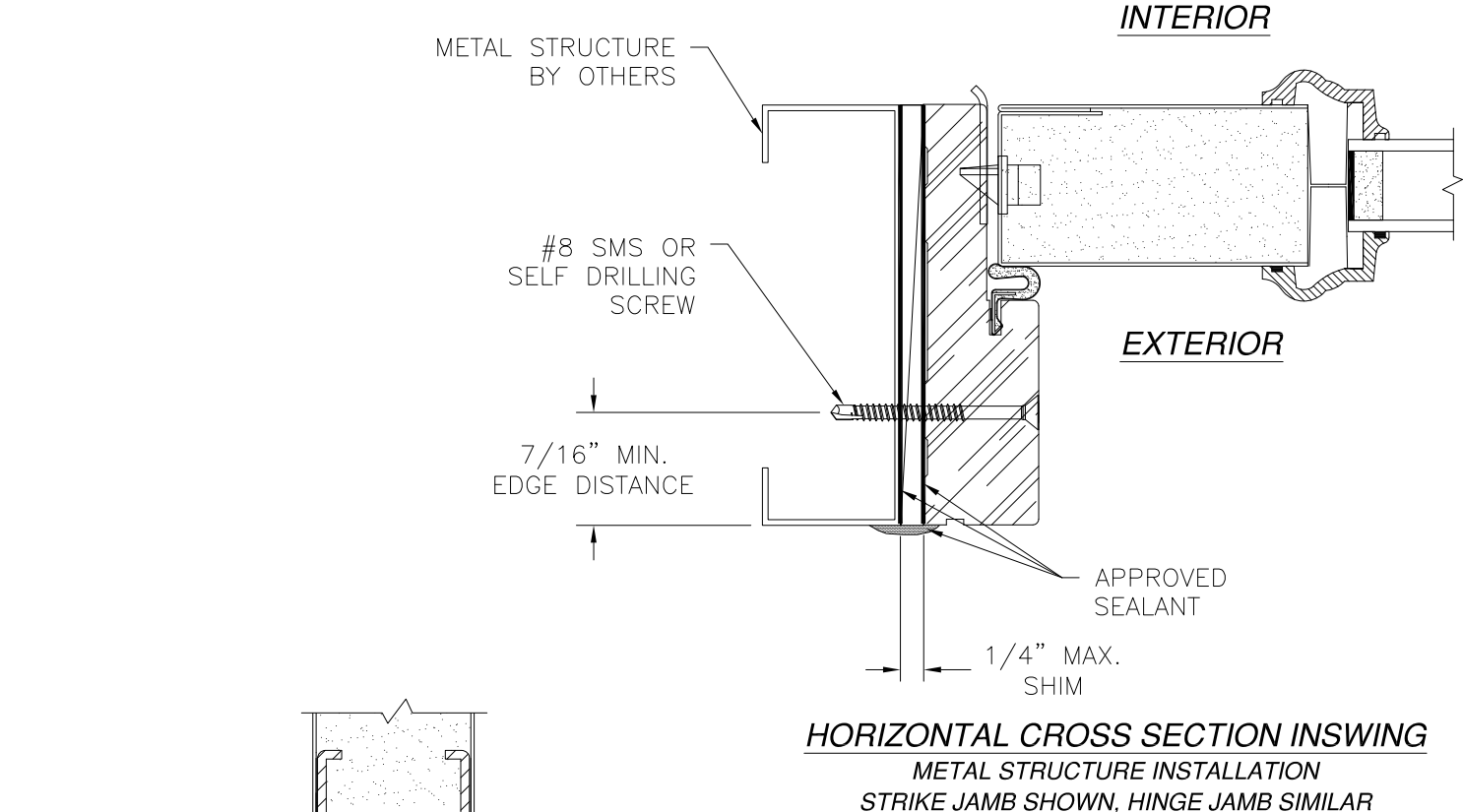
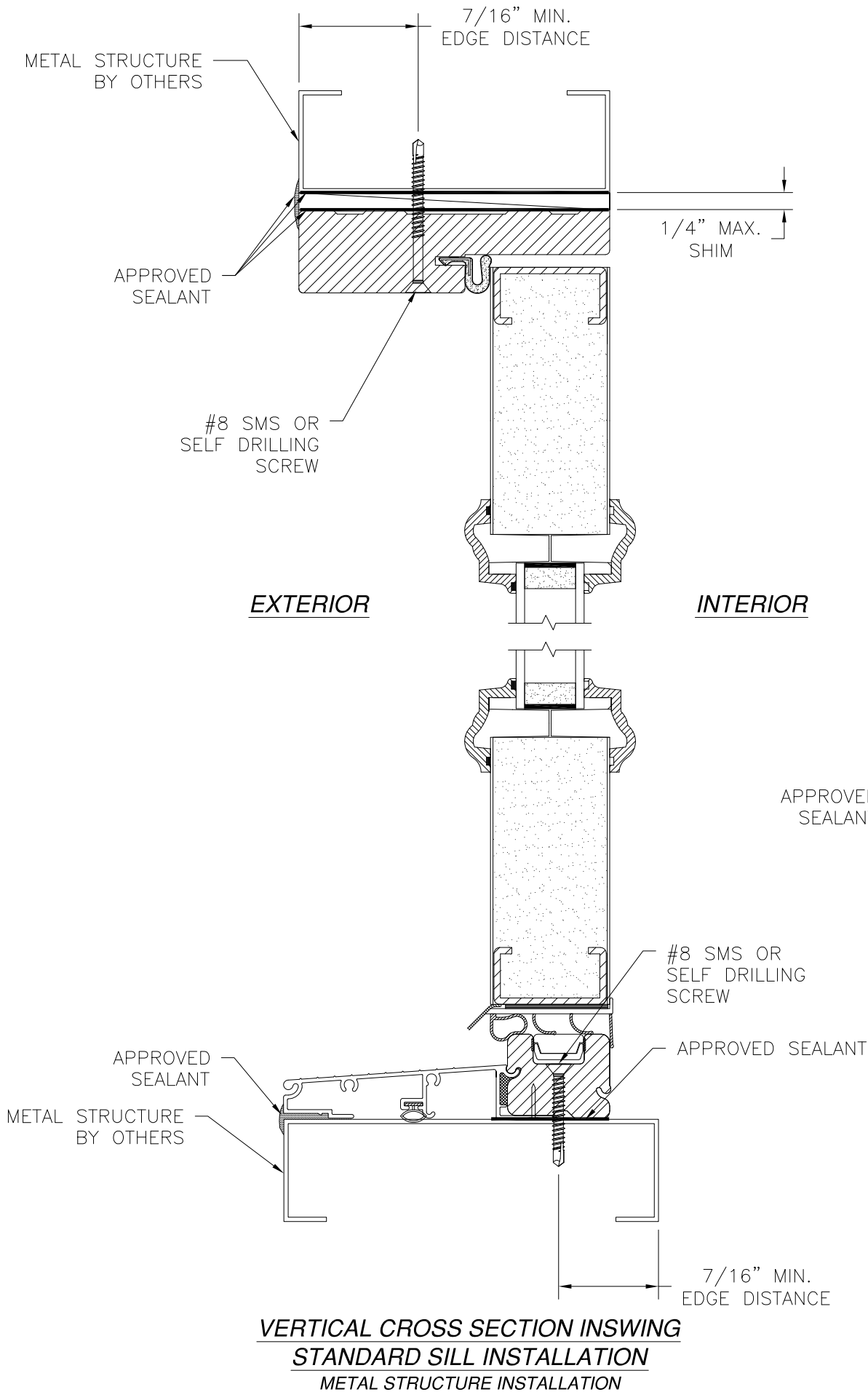
SHEET
3 OF 17

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- 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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3'0 x 6'8 SINGLE – NON-IMPACT
INSWING INSTALLATION DETAILS

DRAWN: TJH

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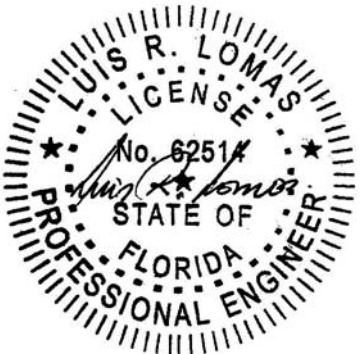
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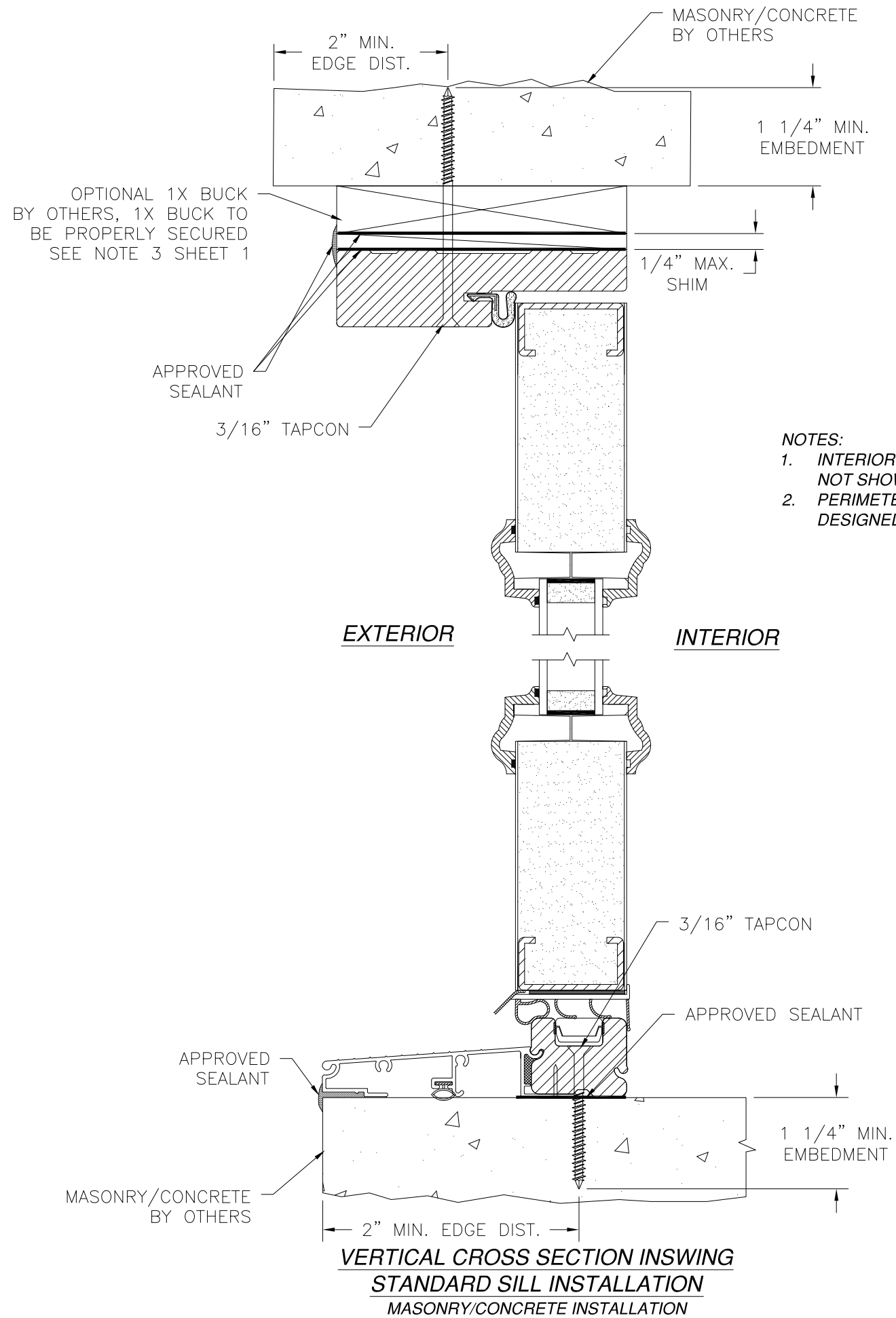
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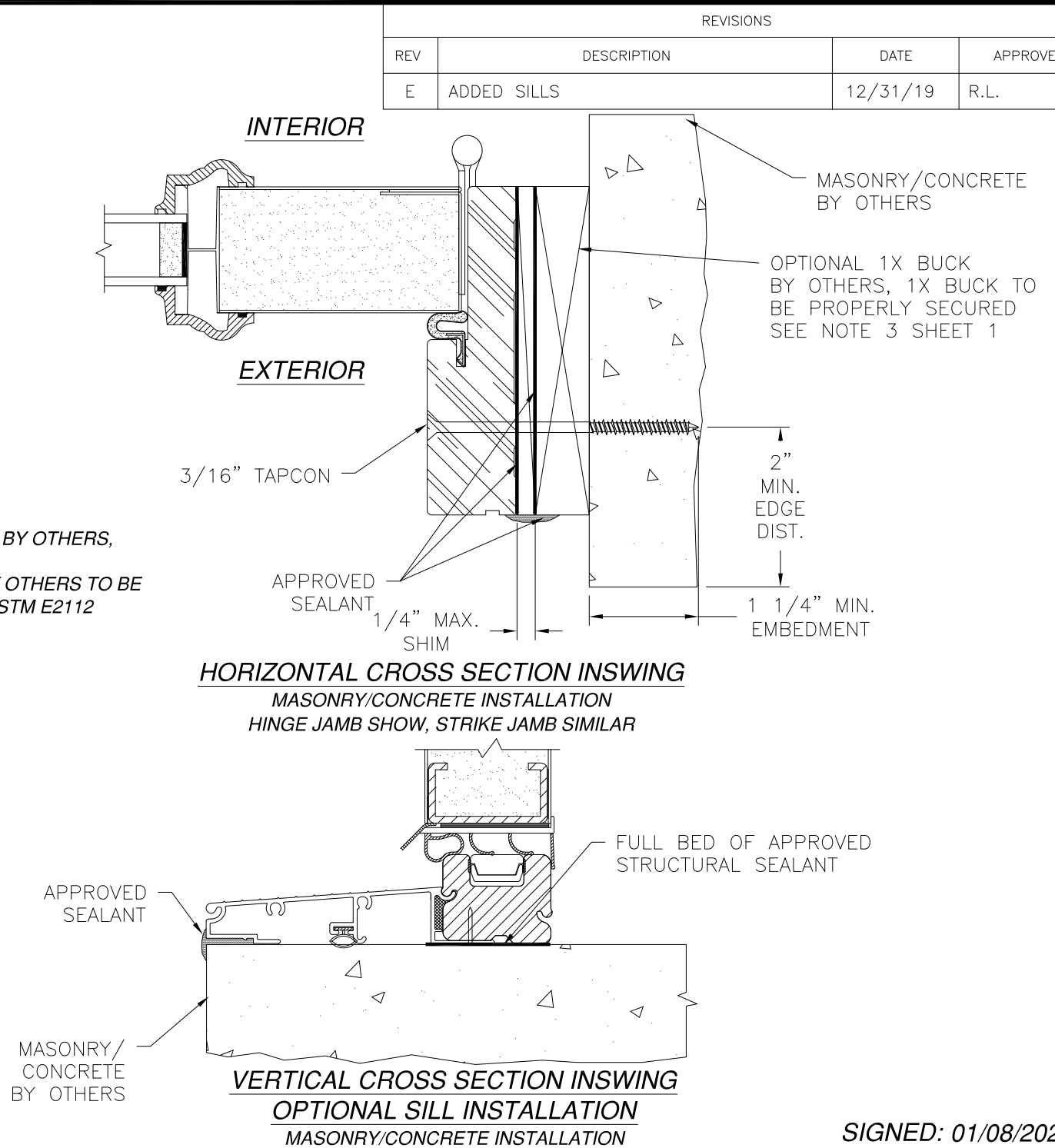
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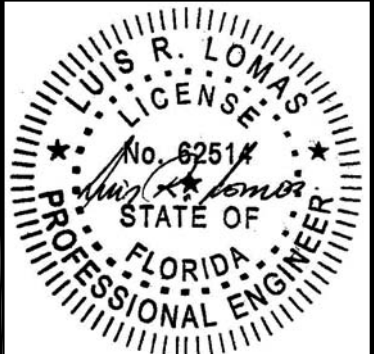


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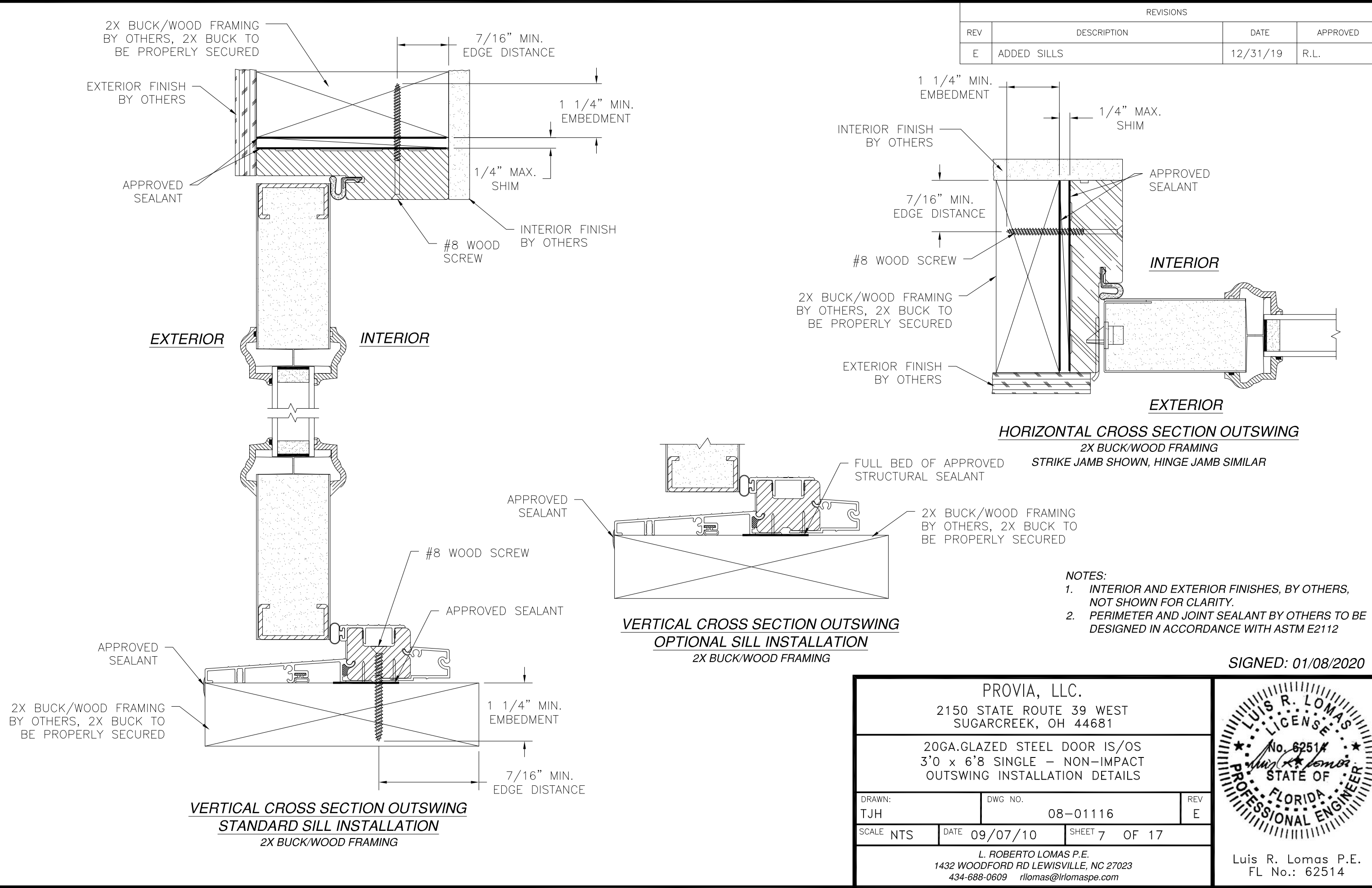


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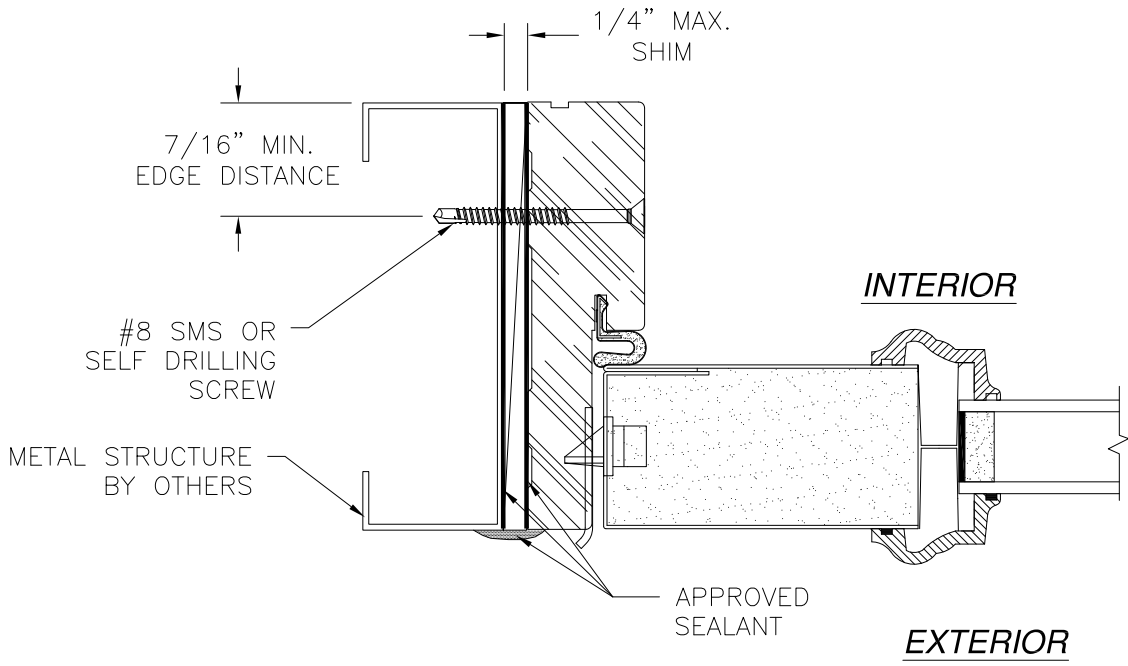
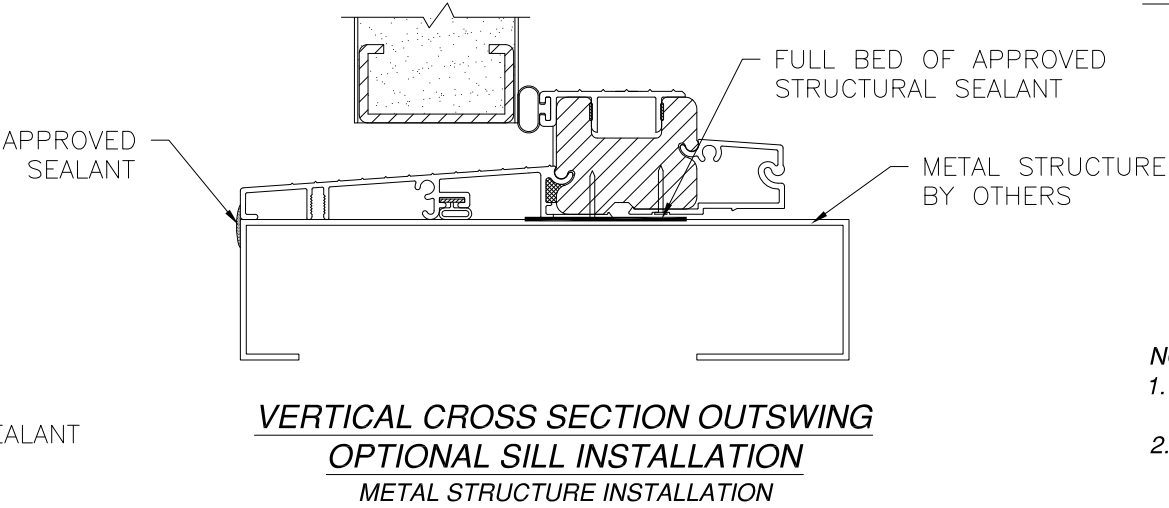
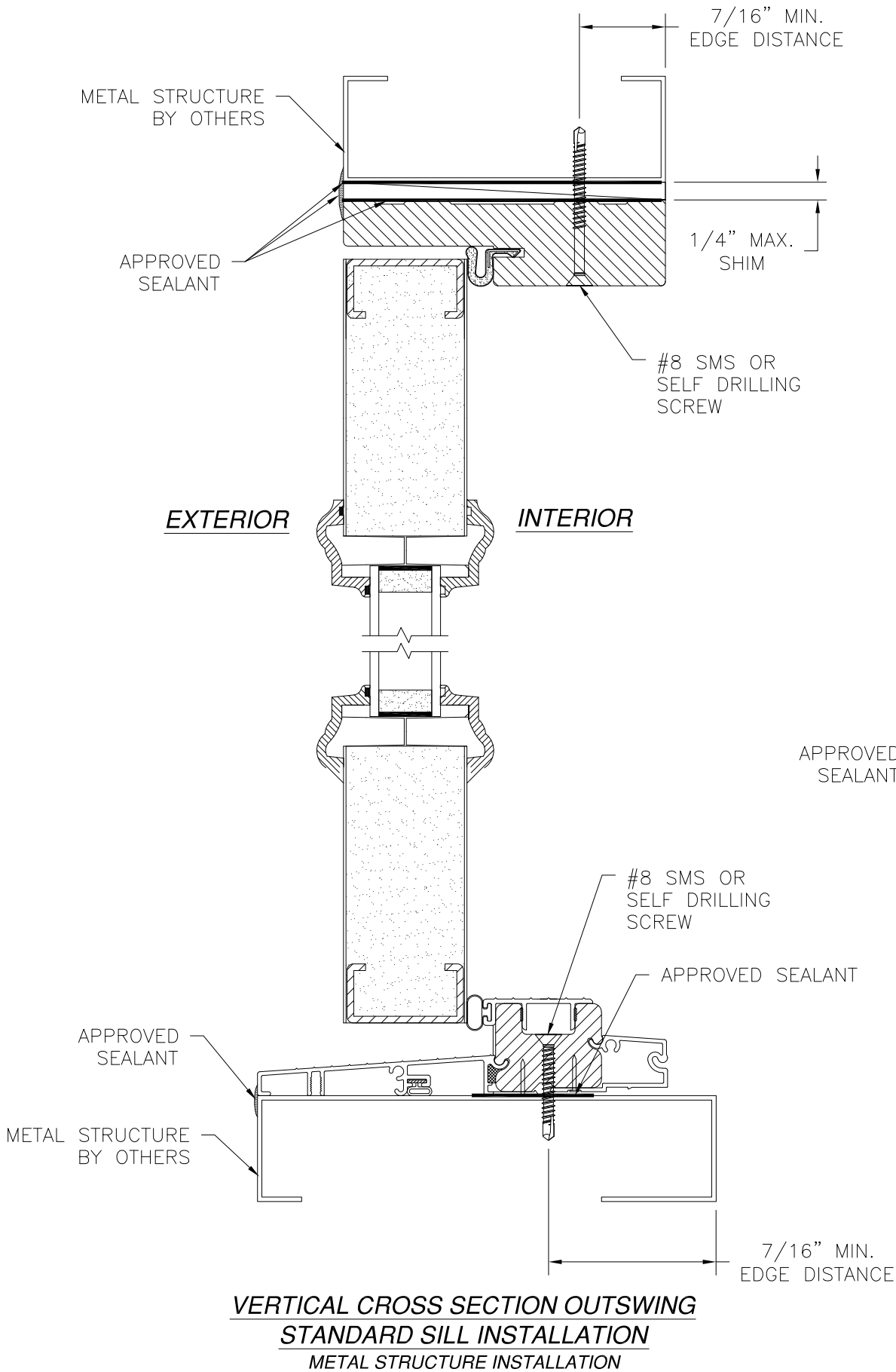
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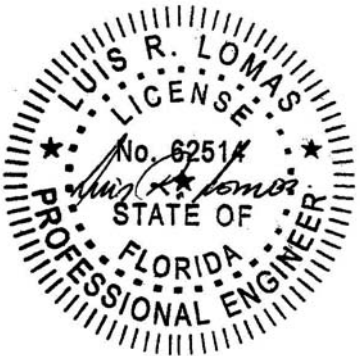
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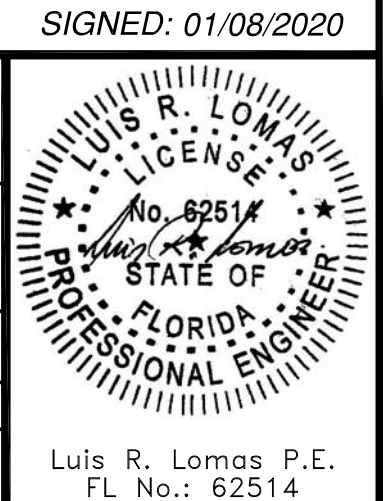
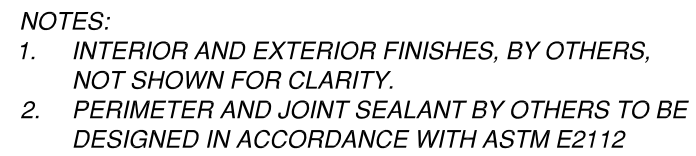
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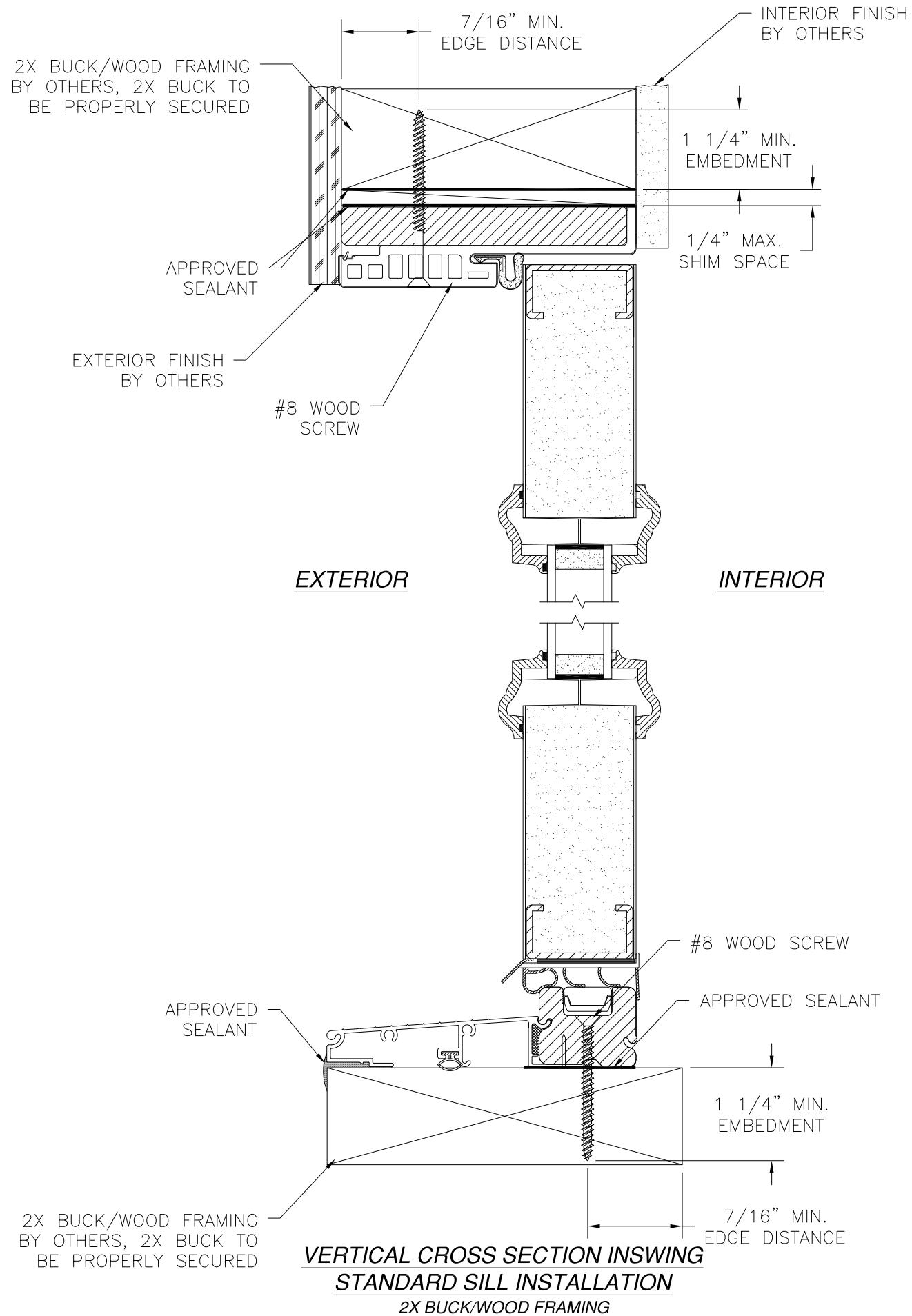
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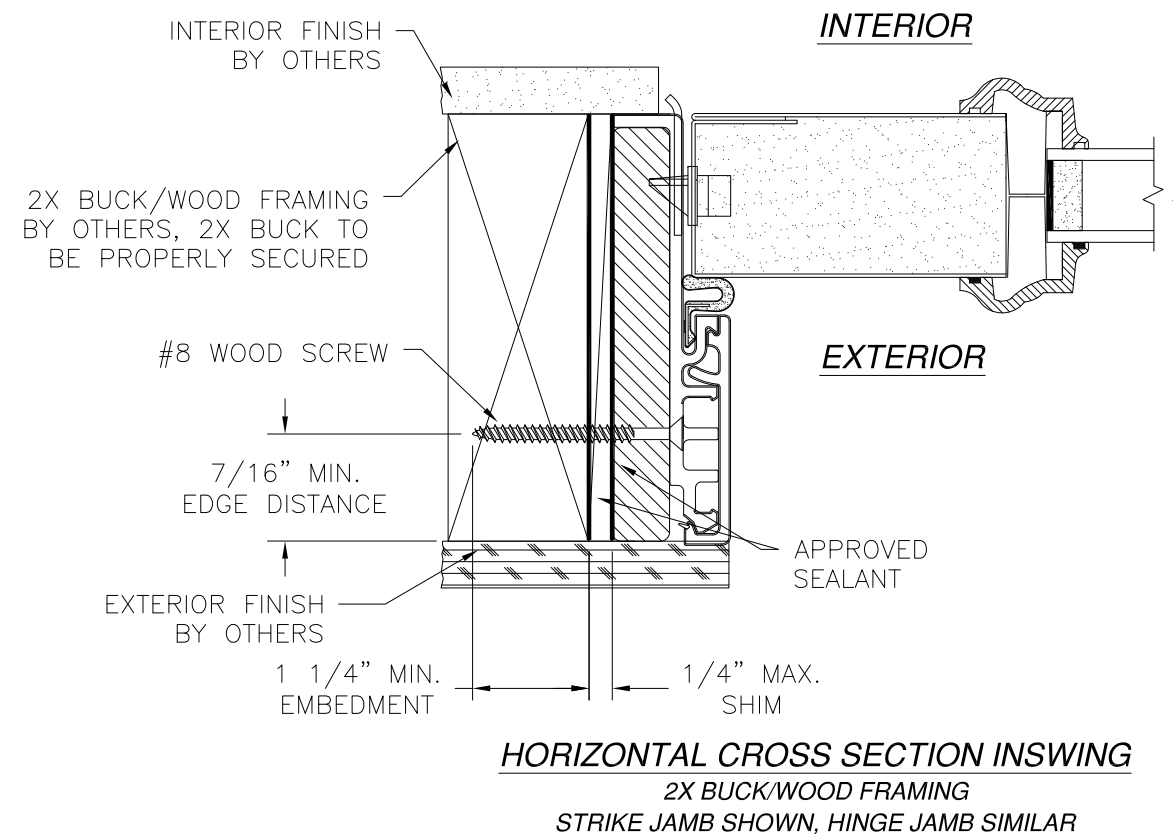


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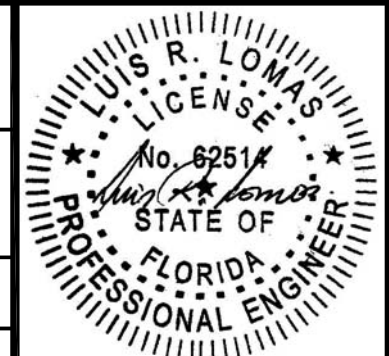


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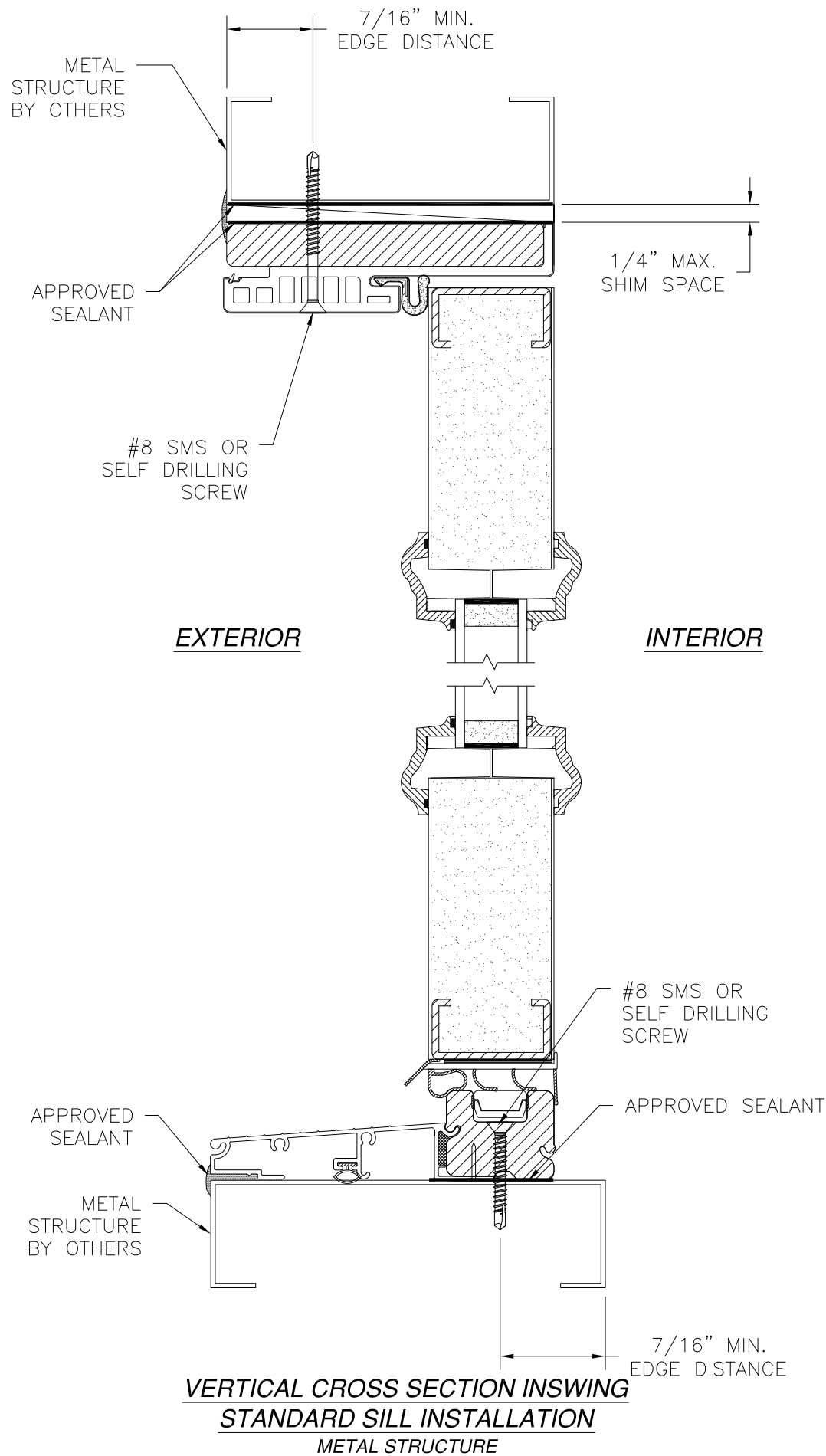
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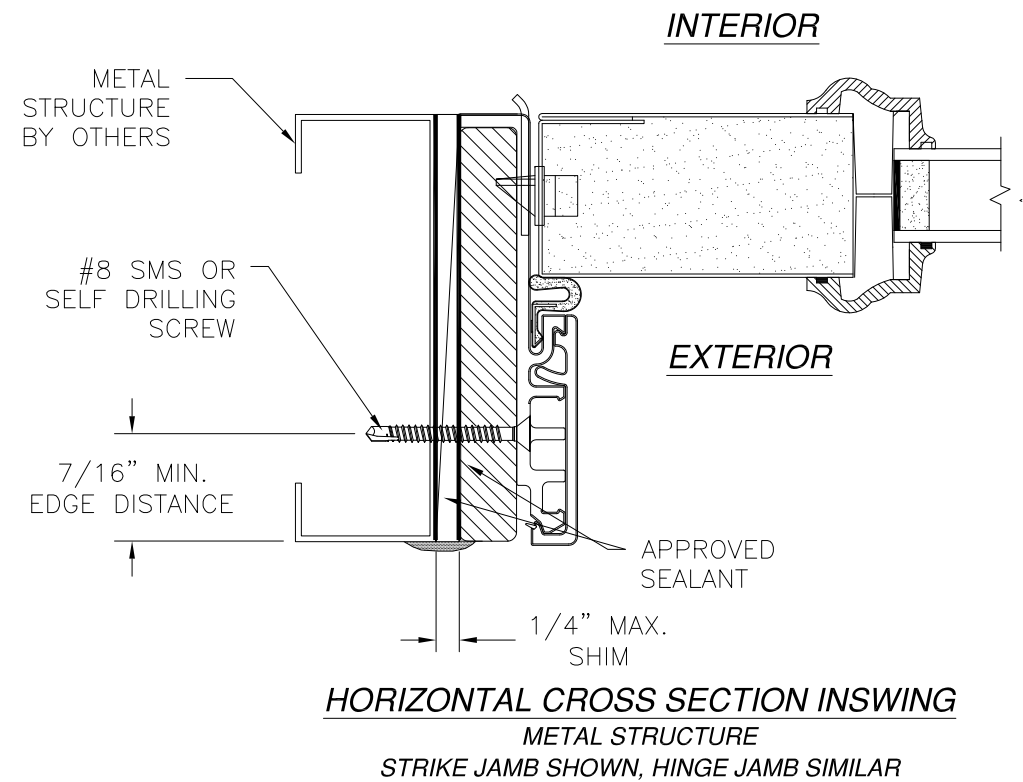
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
20GA.GLAZED STEEL DOOR IS/OS 3'0 x 6'8 SINGLE – NON-IMPACT INSWING W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: TJH	DWG NO. 08-01116	REV E
SCALE NTS	DATE 09/07/10	SHEET 10 OF 17
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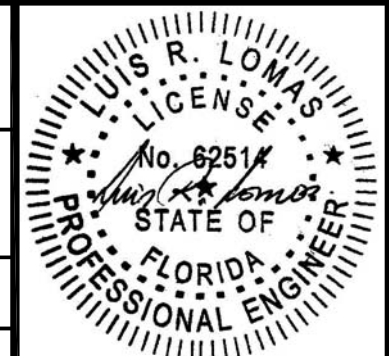
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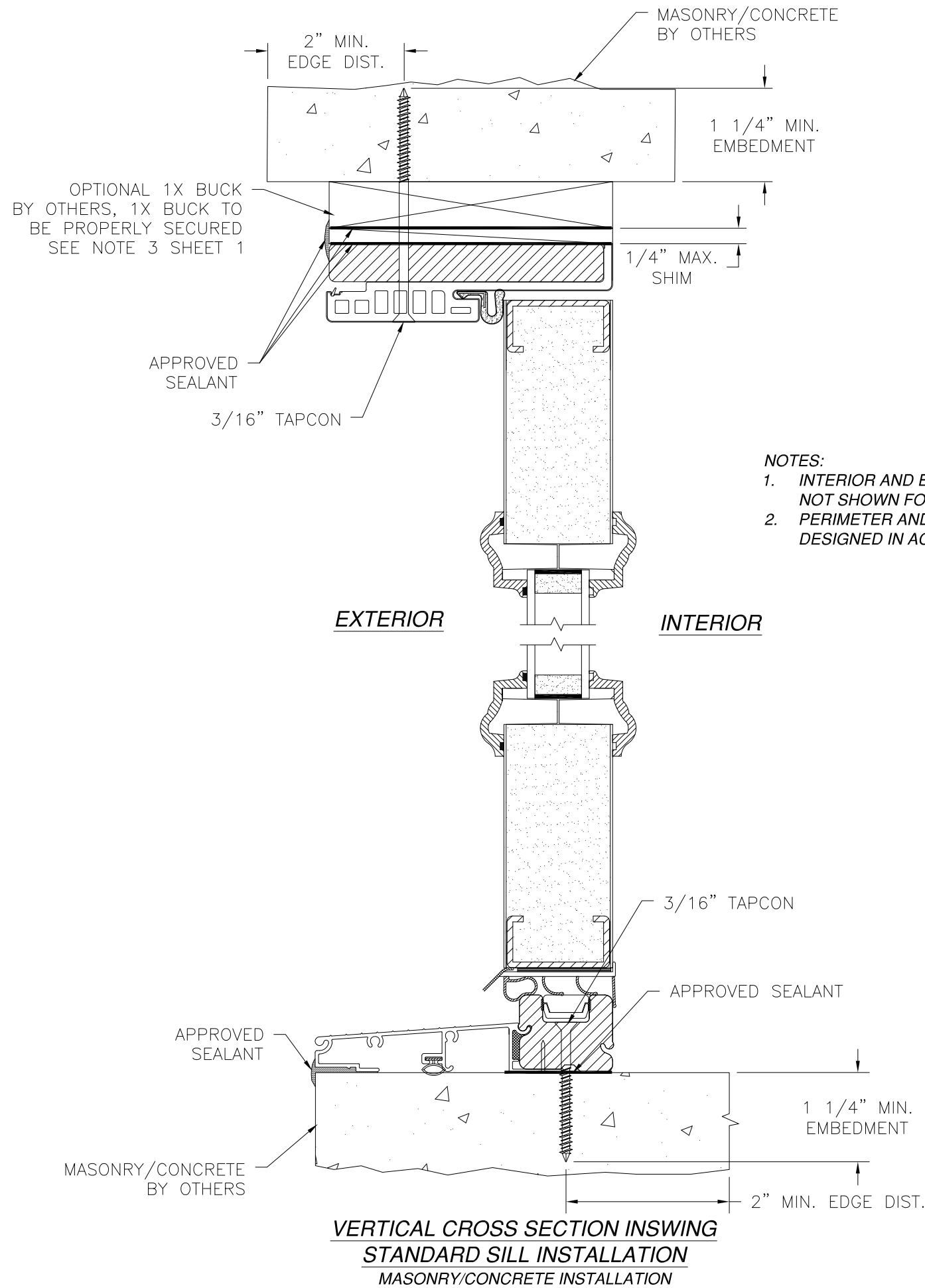
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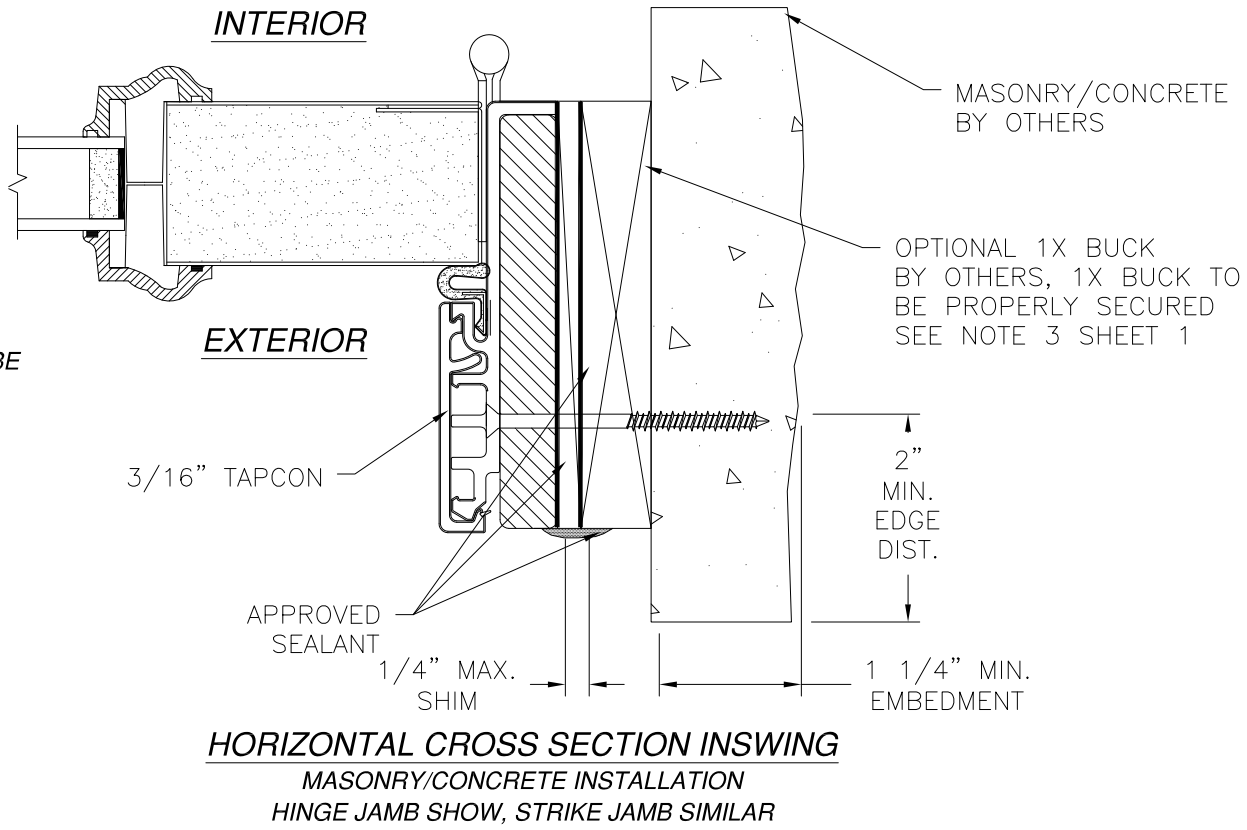
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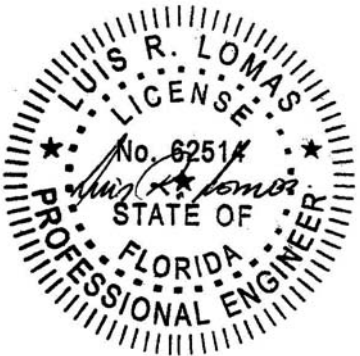
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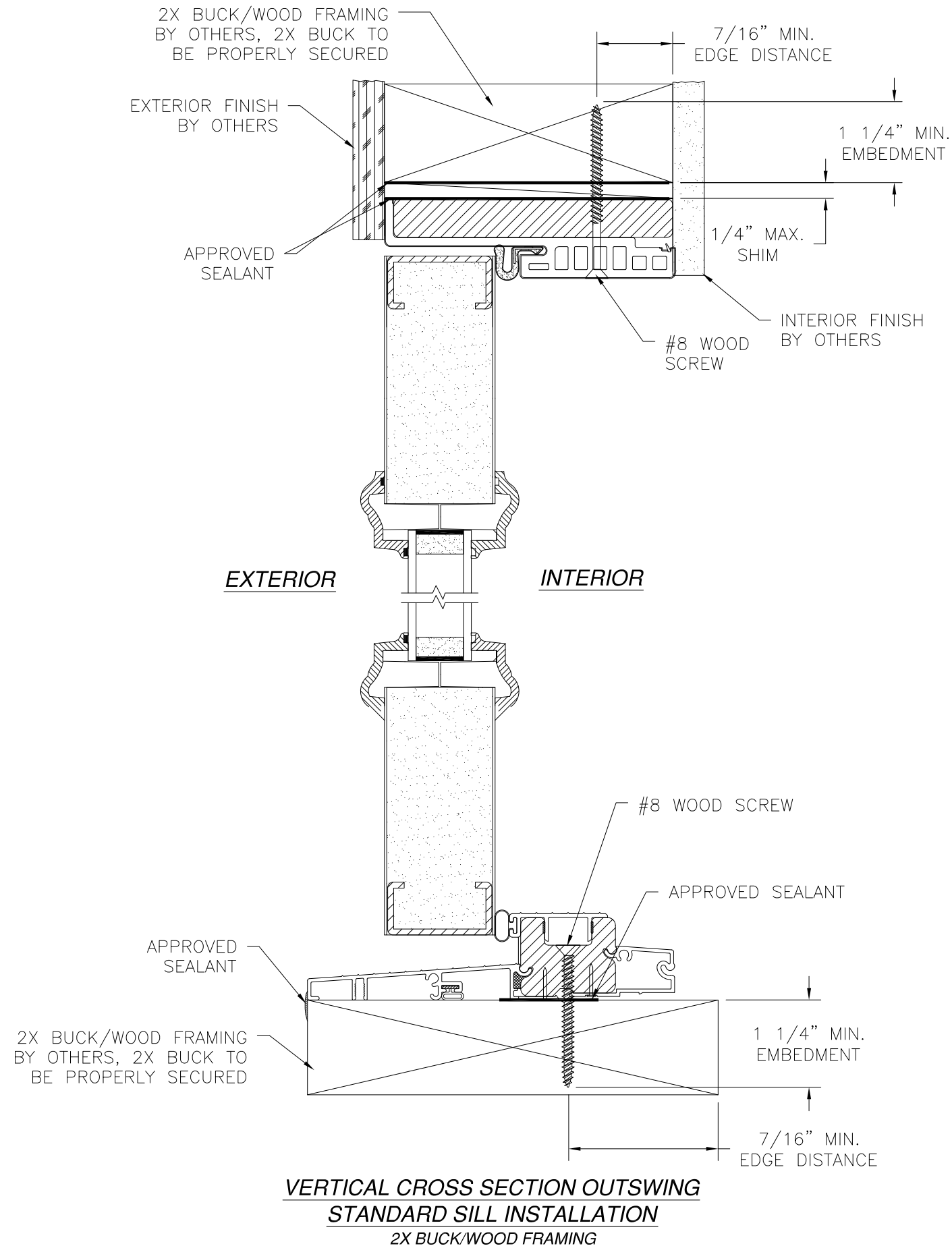
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SHEET 12 OF 17

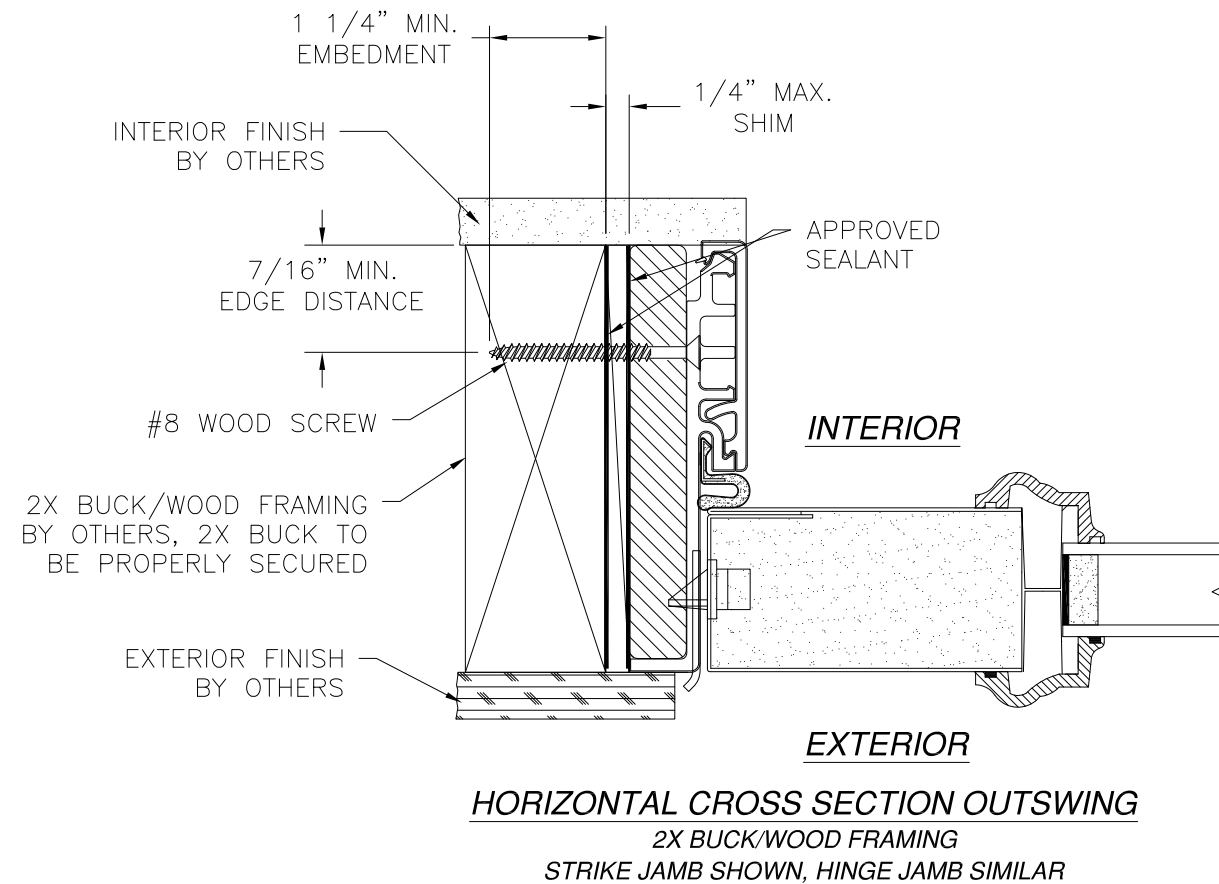
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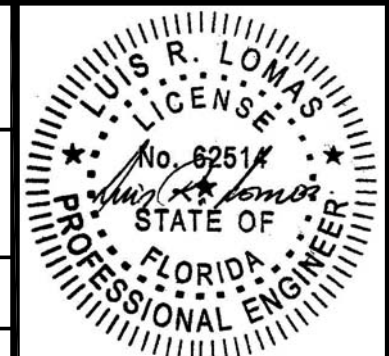


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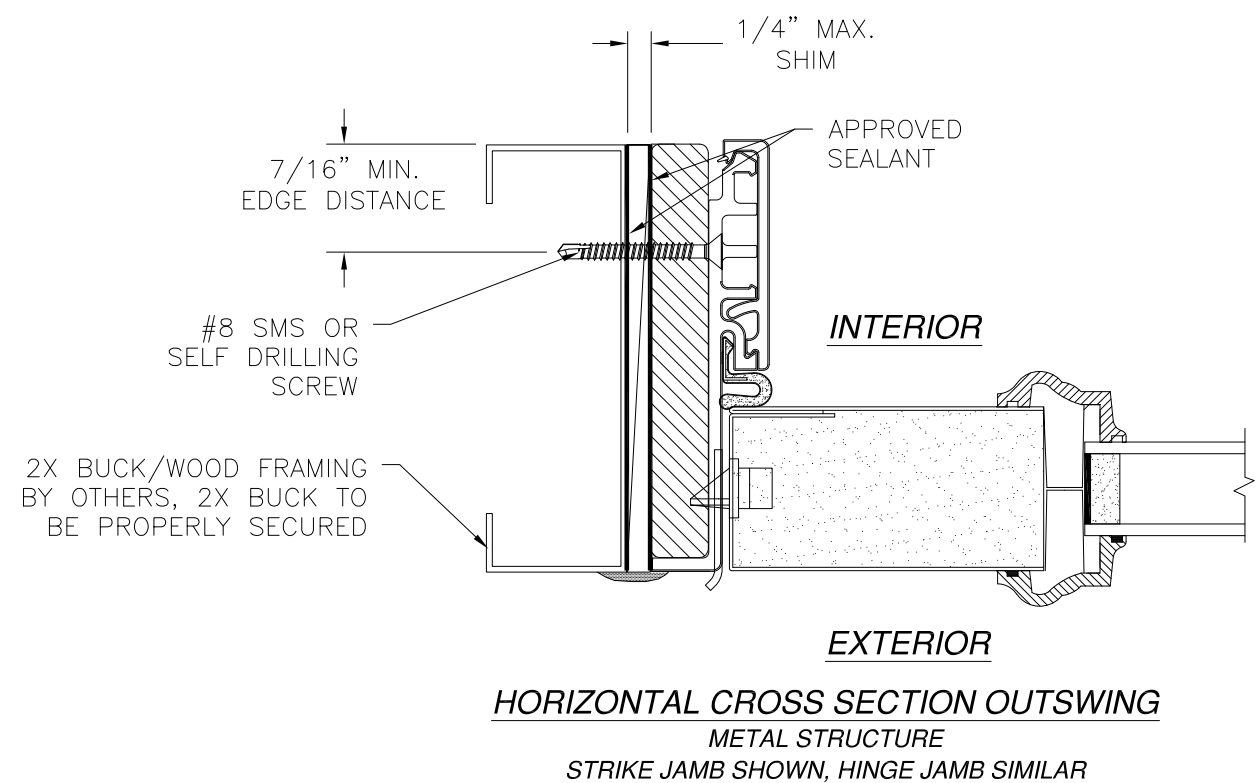
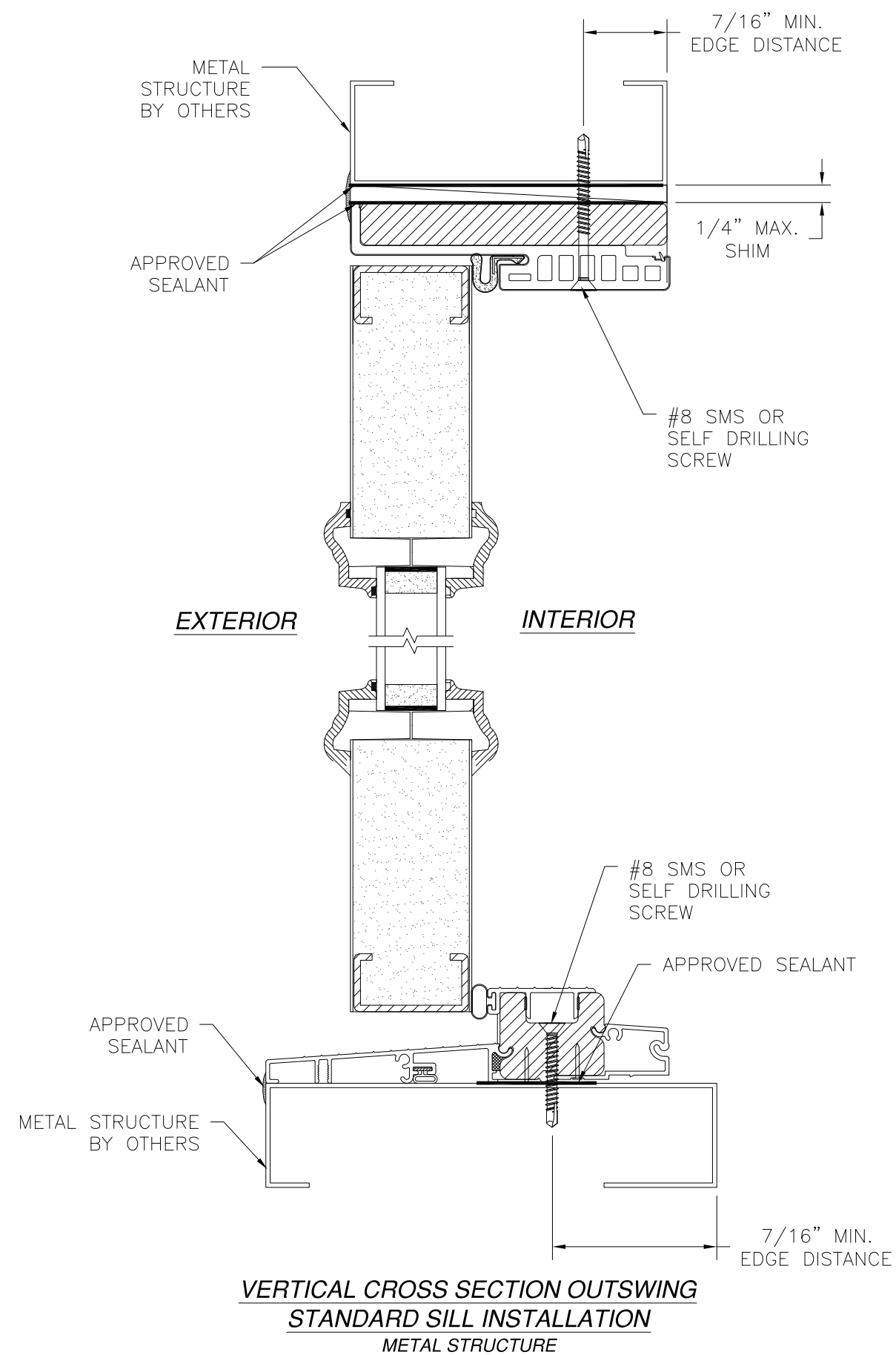
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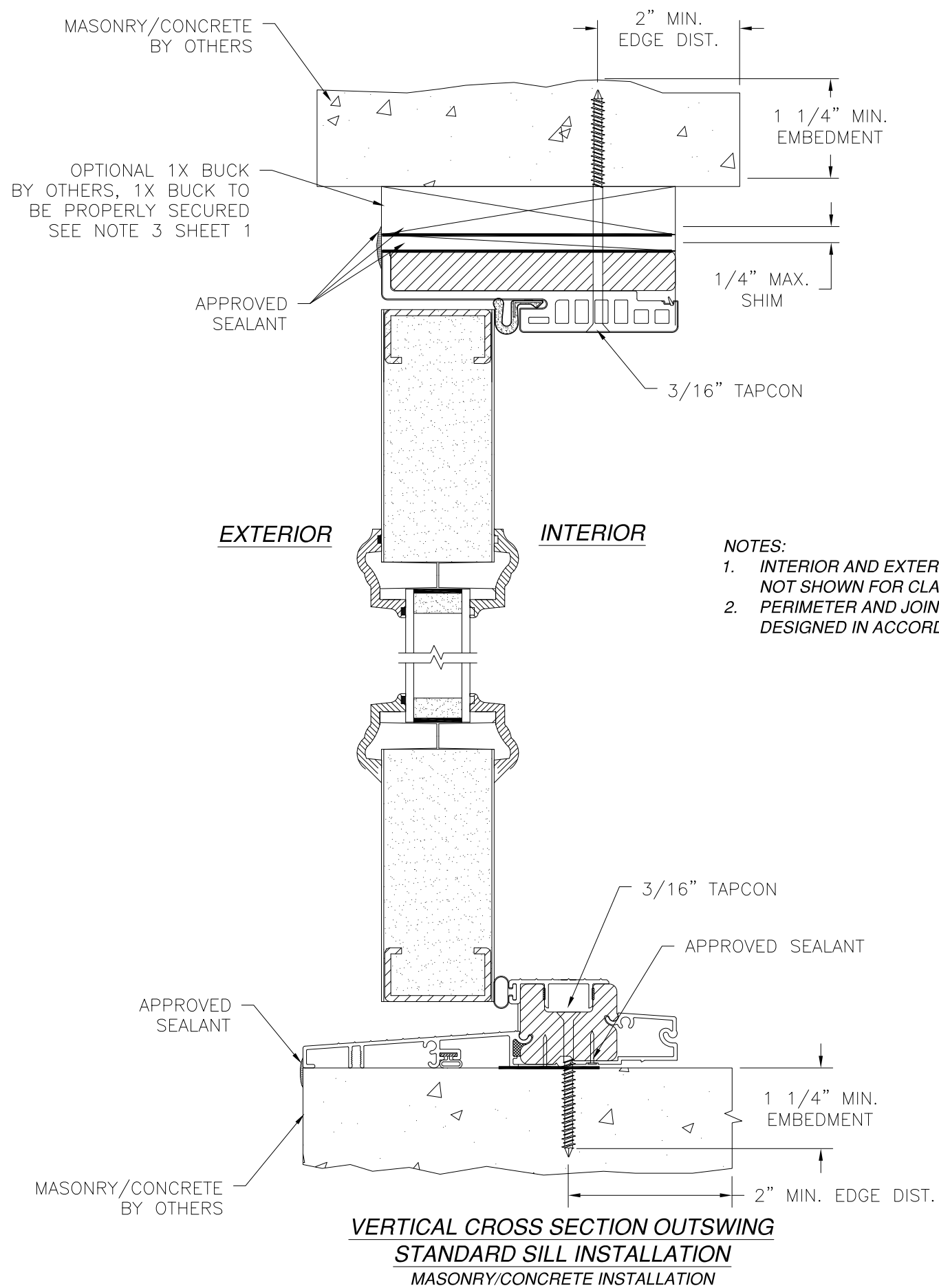


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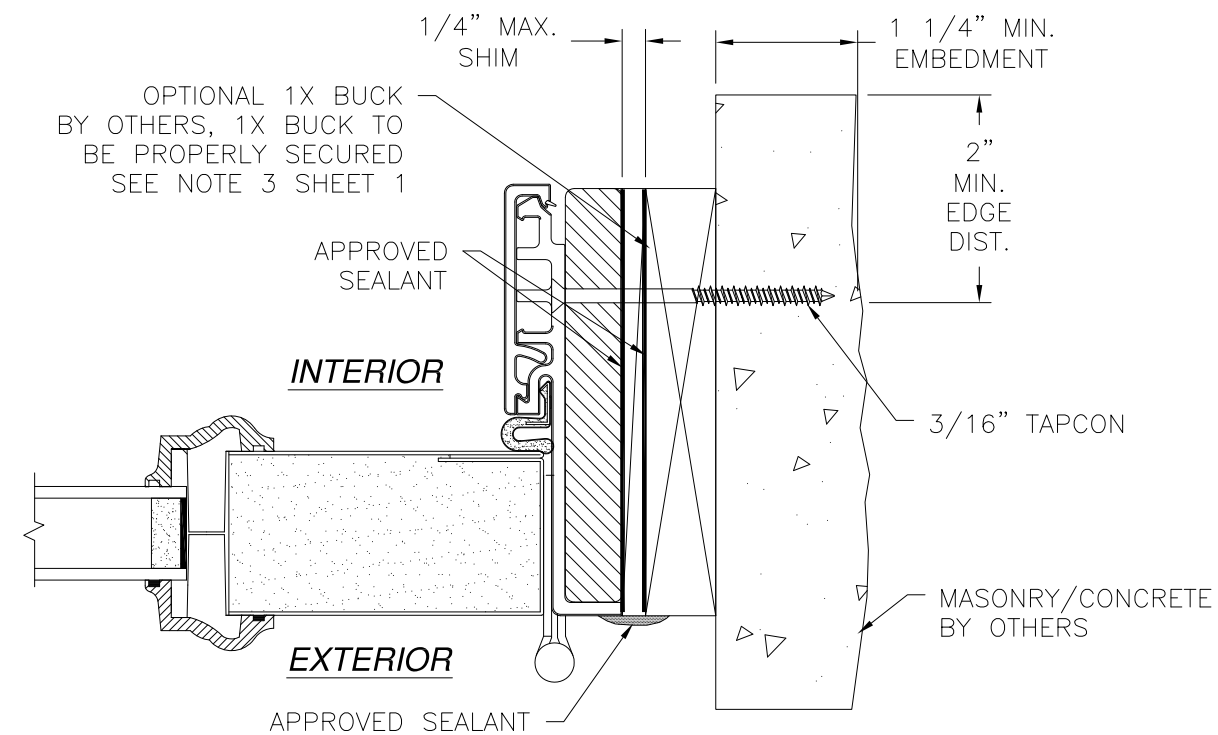
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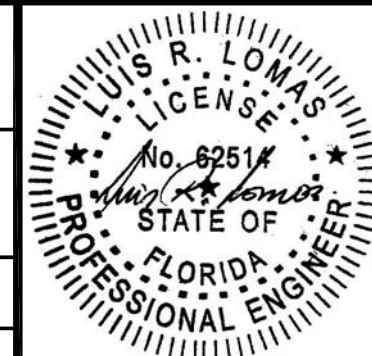
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**HORIZONTAL CROSS SECTION OUTSWING
MASONRY/CONCRETE INSTALLATION
HINGE JAMB SHOWN, STRIKE JAMB SIMILAR**

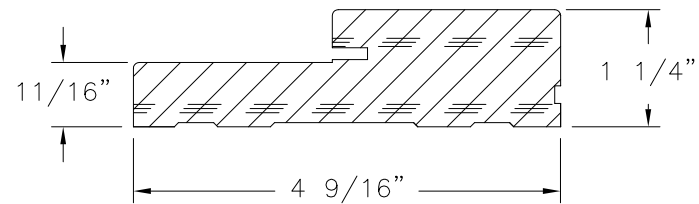
SIGNED: 01/08/2020

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
20GA. GLAZED STEEL DOOR IS/OS 3'0 x 6'8 SINGLE - NON-IMPACT OUTSWING W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: TJH	DWG NO. 08-01116	REV E
SCALE NTS	DATE 09/07/10	SHEET 15 OF 17
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

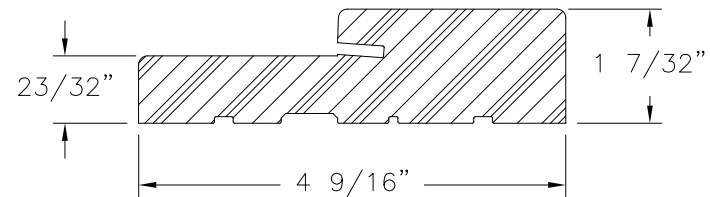


Luis R. Lomas P.E.
FL No.: 62514

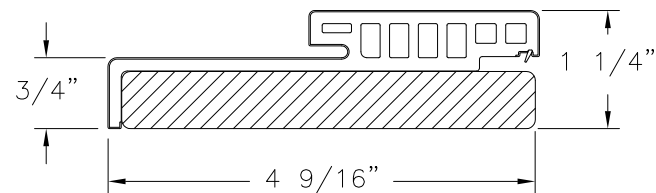
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	12/31/19	R.L.



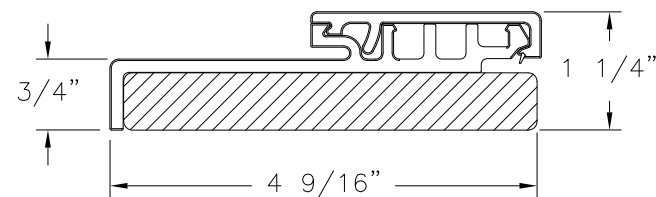
FRAME
WOOD G.46 MIN.



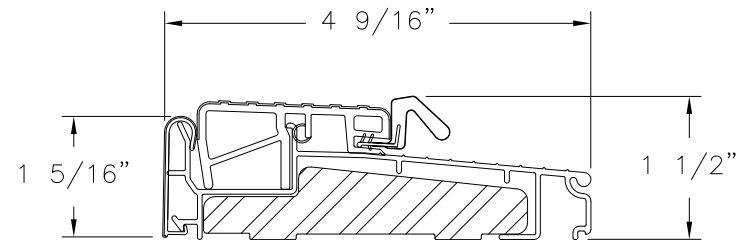
FRAMESAVER
COMPOSITE



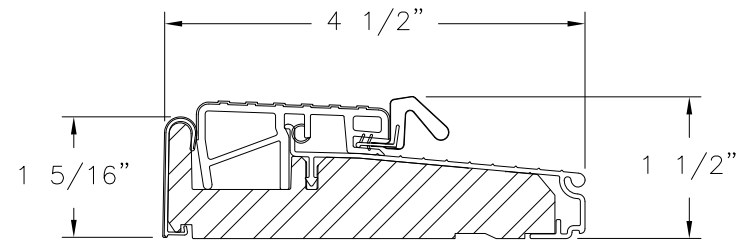
HYBRID HEAD
WOOD/COMPOSITE



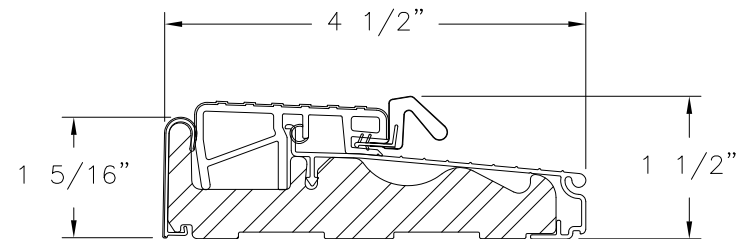
HYBRID JAMB
WOOD/COMPOSITE



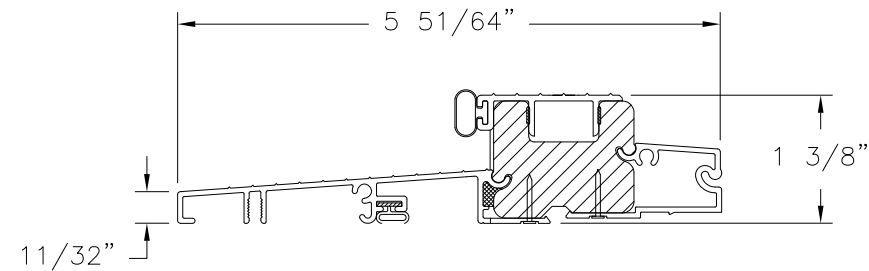
OUTSWING SILL ZOBL4565



OUTSWING SILL ZOB4565F



OUTSWING SILL ZOBLH4565



OUTSWING SILL

SIGNED: 01/08/2020

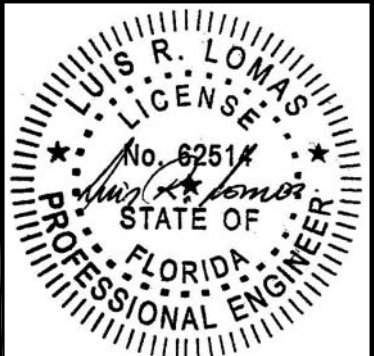
PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

20GA.GLAZED STEEL DOOR IS/OS
3'0 x 6'8 SINGLE – NON-IMPACT
COMPONENTS

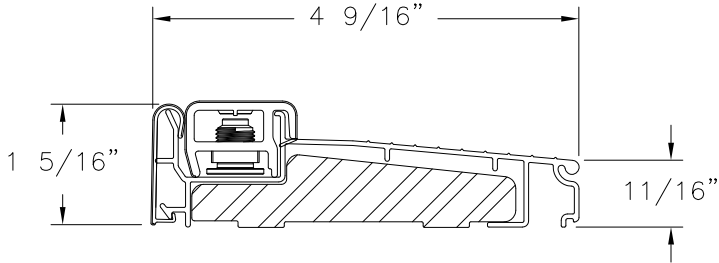
DRAWN: TJH	DWG NO. 08-01116	REV E
SCALE NTS	DATE 09/07/10	SHEET 16 OF 17

L. ROBERTO LOMAS P.E.
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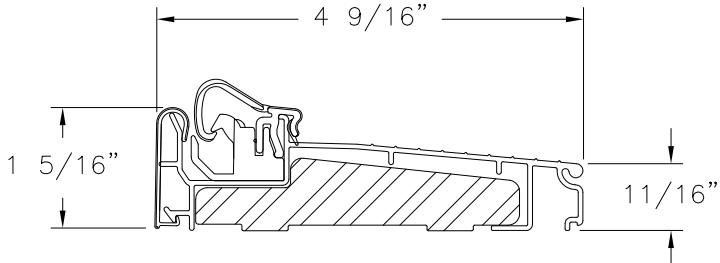


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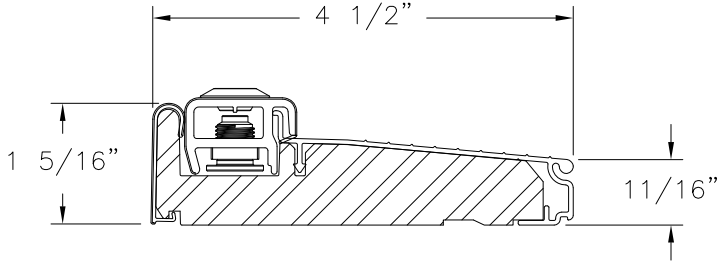
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	12/31/19	R.L.



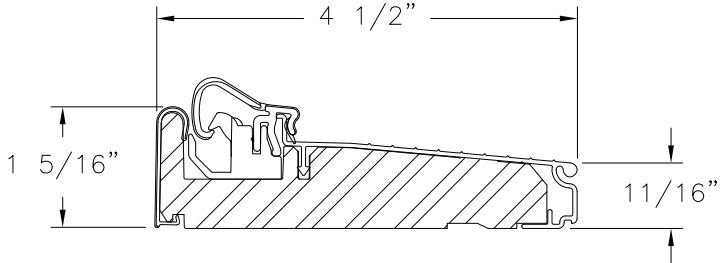
INSWING SILL ZAIL4565



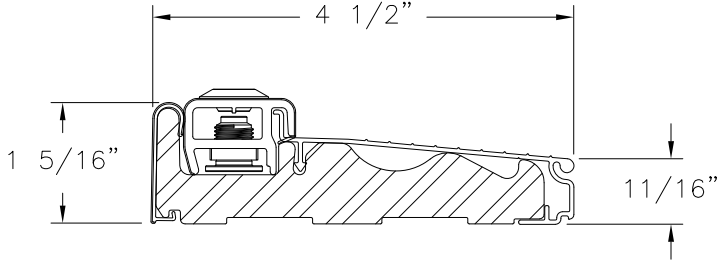
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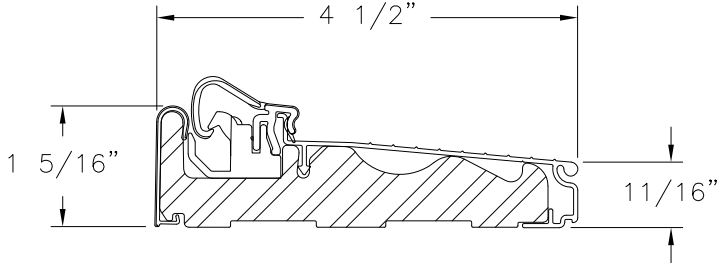
INSWING SILL ZAI4565F



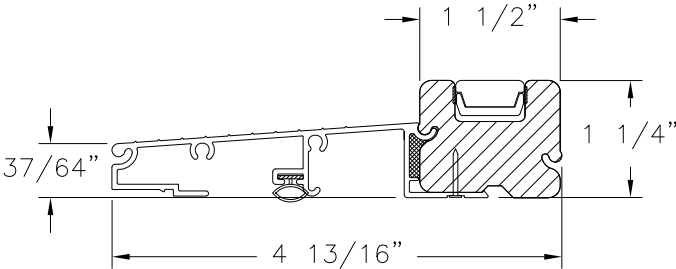
INSWING SILL ZAC4565F



INSWING SILL ZAILH4565



INSWING SILL ZACLH4565



INSWING SILL

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DRAWN:
TJH

DWG NO.
08-01116

REV
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SHEET 17 OF 17

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