

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	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: .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
E

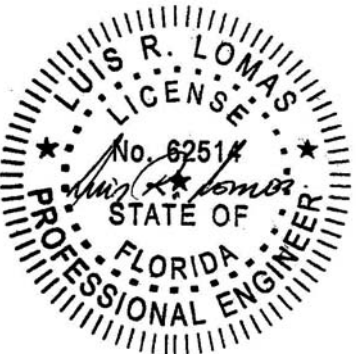
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DATE 08/18/10

SHEET 1 OF 17

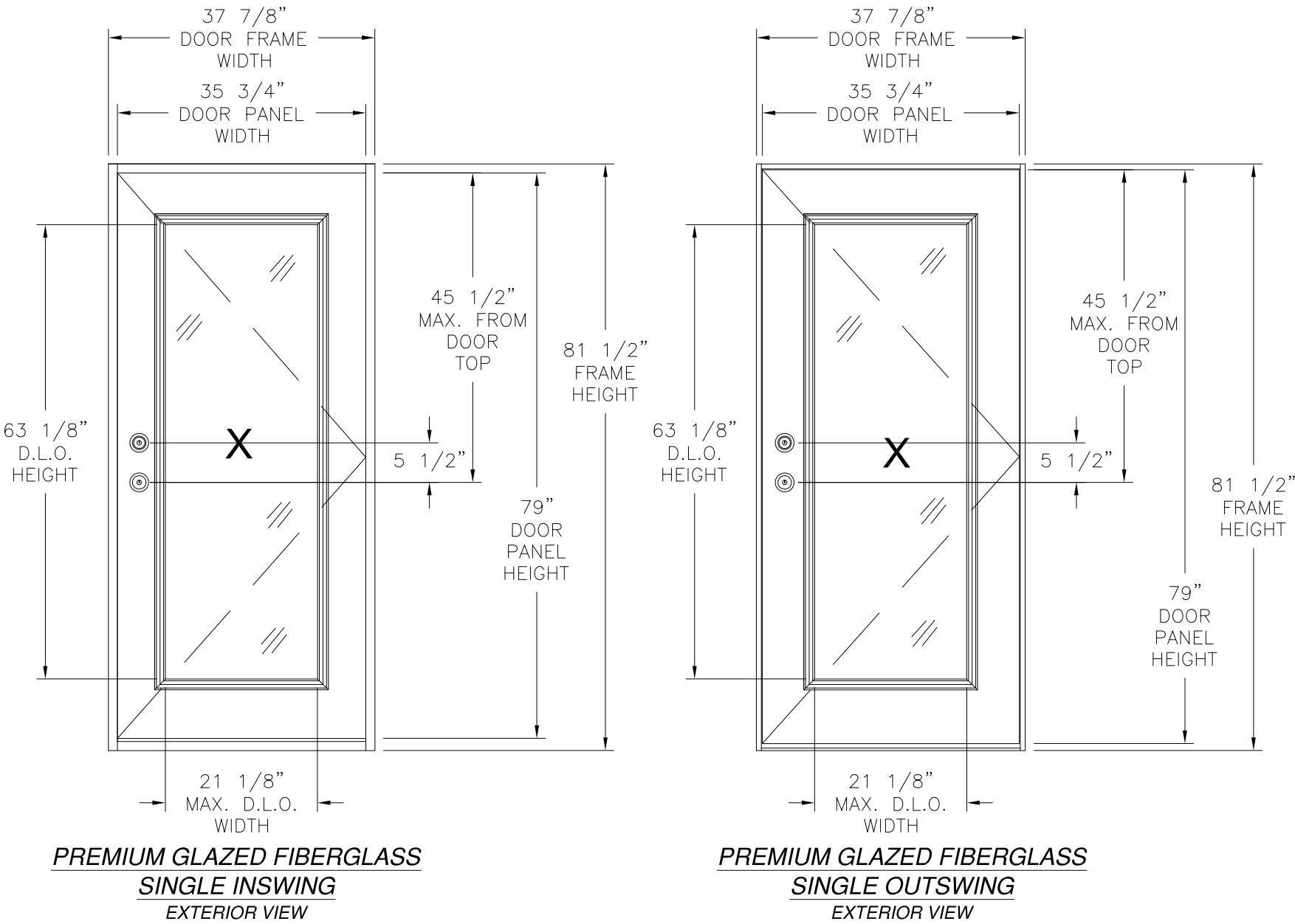
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 01/08/2020



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

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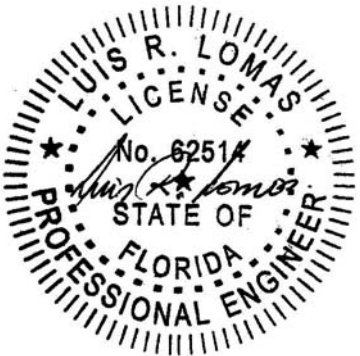


DESIGN PRESSURE RATING	IMPACT RATING
±85PSF	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	

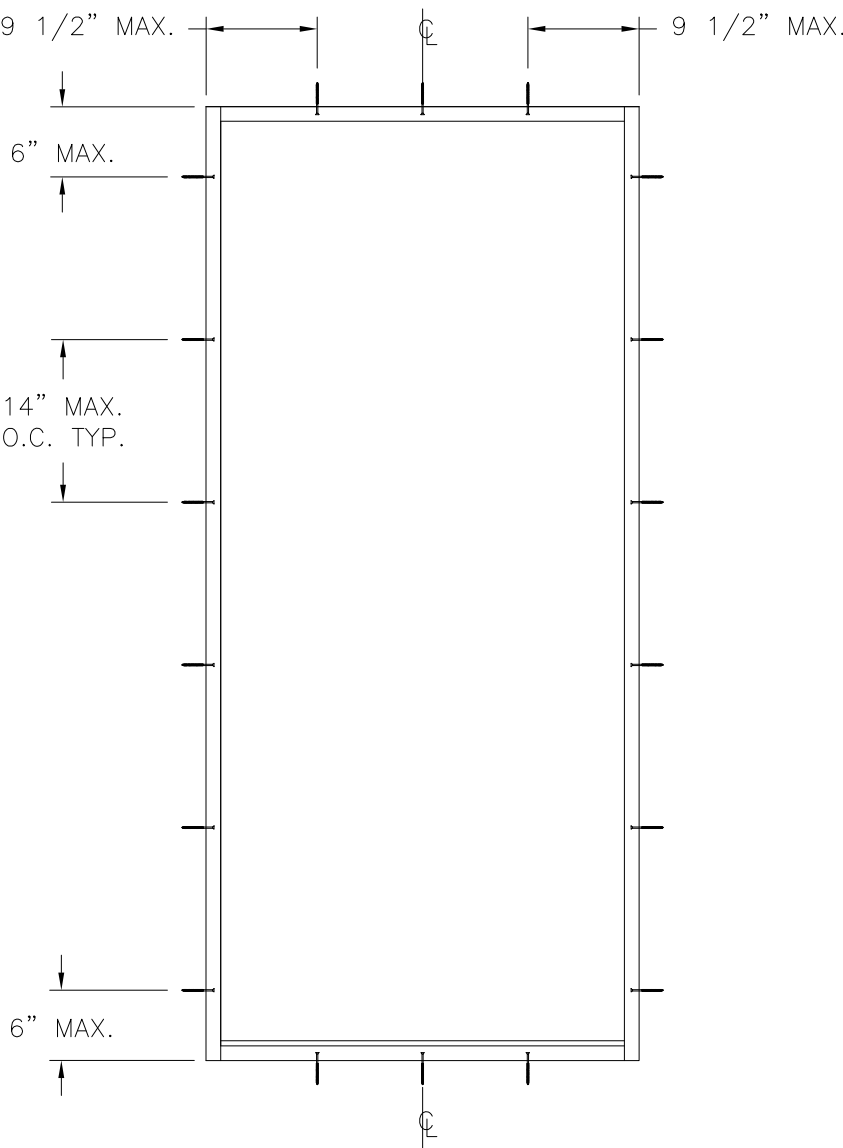
35 3/4" X 79" PANEL SHOWN, OTHER SIZES APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 19.61 FT²

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PREMIUM GLAZED FIBERGLASS DOOR IS/OS 3'0 x 6'8 SINGLE – NON-IMPACT ELEVATIONS		
DRAWN: TJH	DWG NO. 08-01098	REV E
SCALE NTS	DATE 08/18/10	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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INSWING/OUTSWING ANCHORING LAYOUT

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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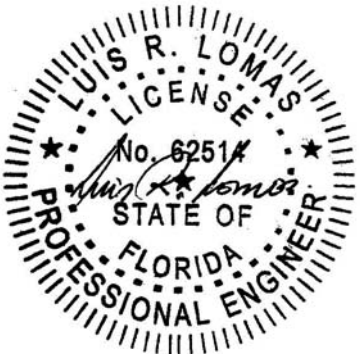
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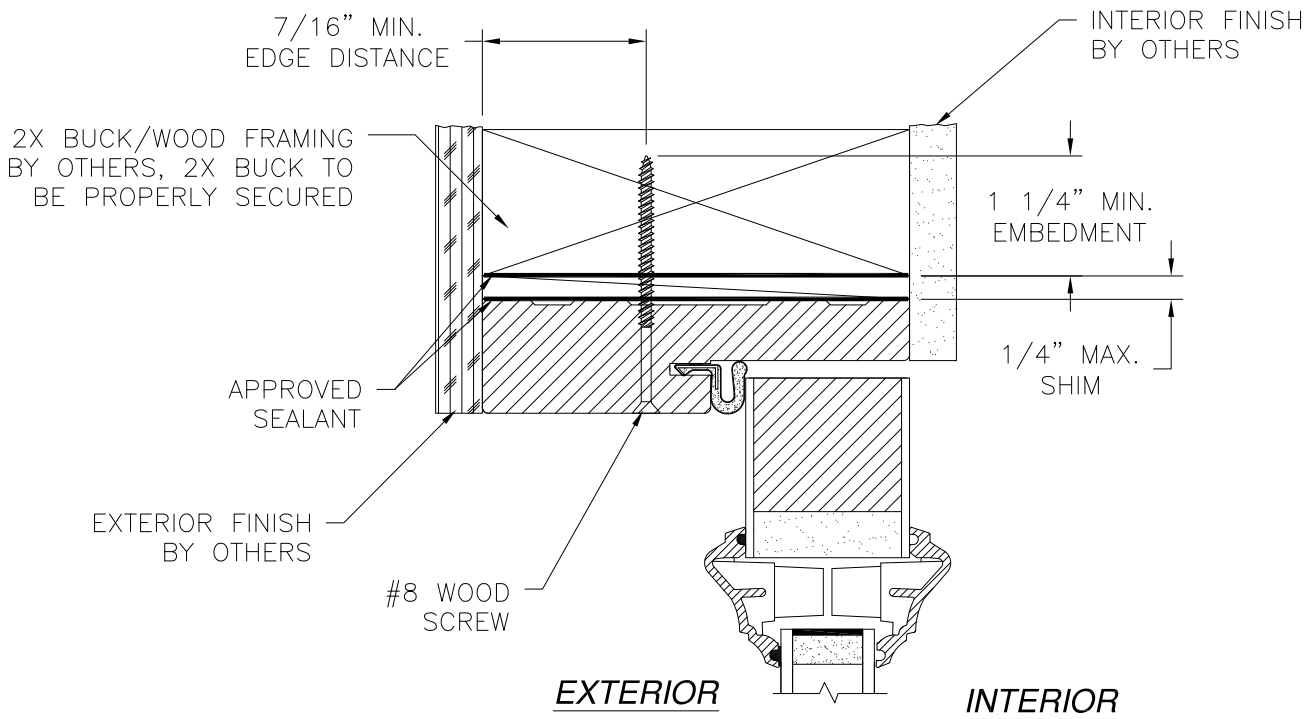
SHEET 3 OF 17

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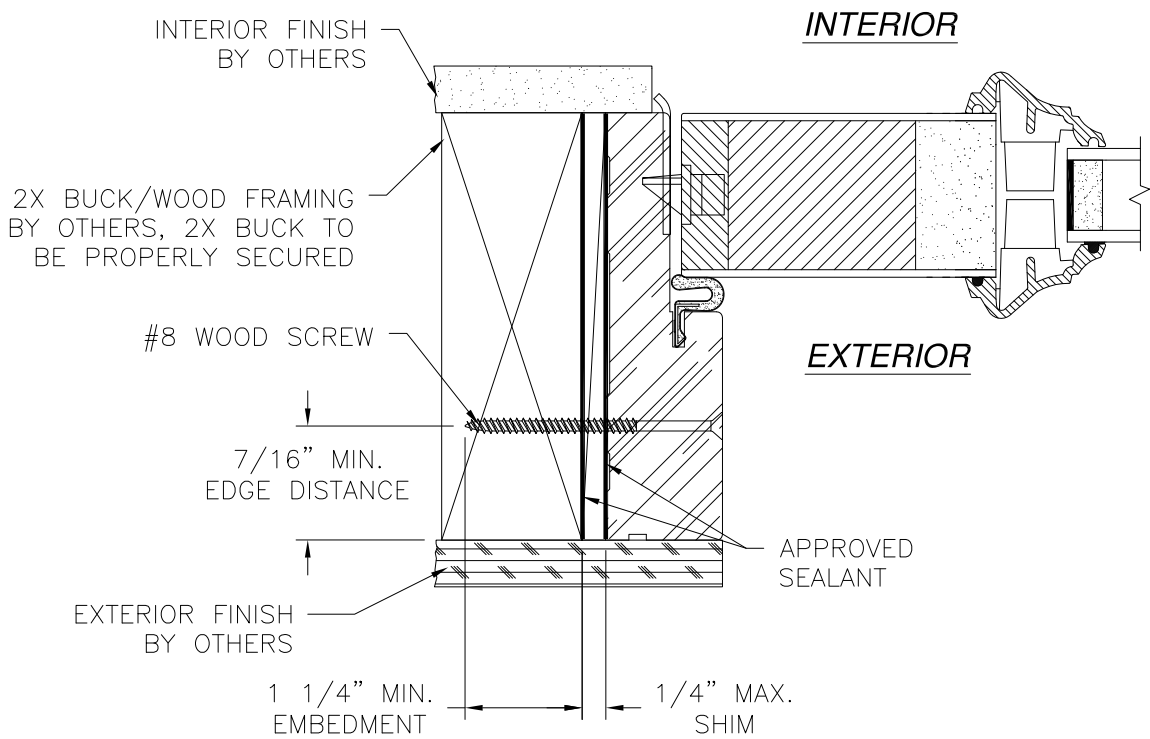


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VERTICAL CROSS SECTION INSWING
2X BUCK/WOOD FRAMING



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

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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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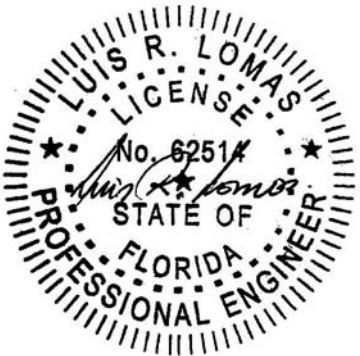
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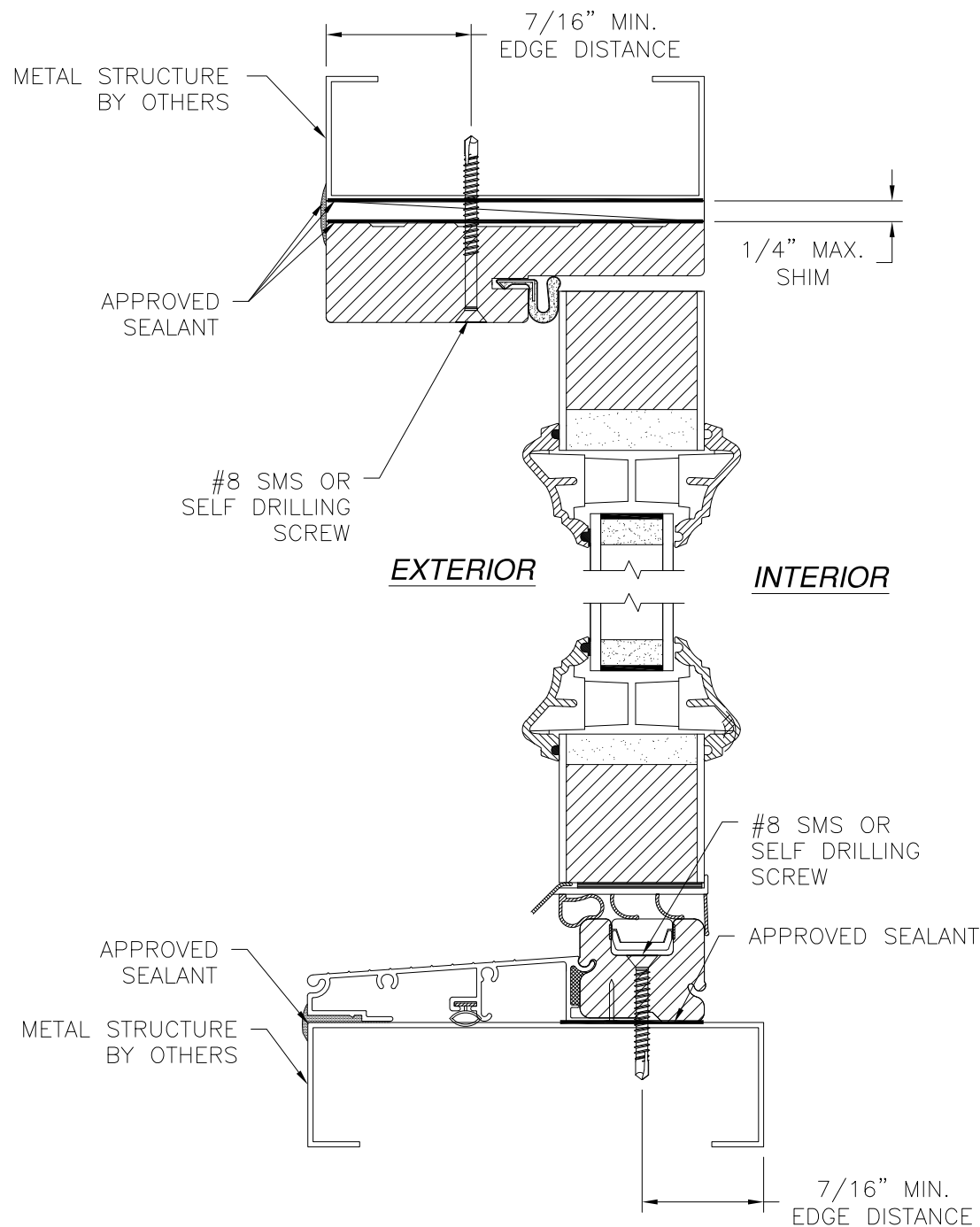
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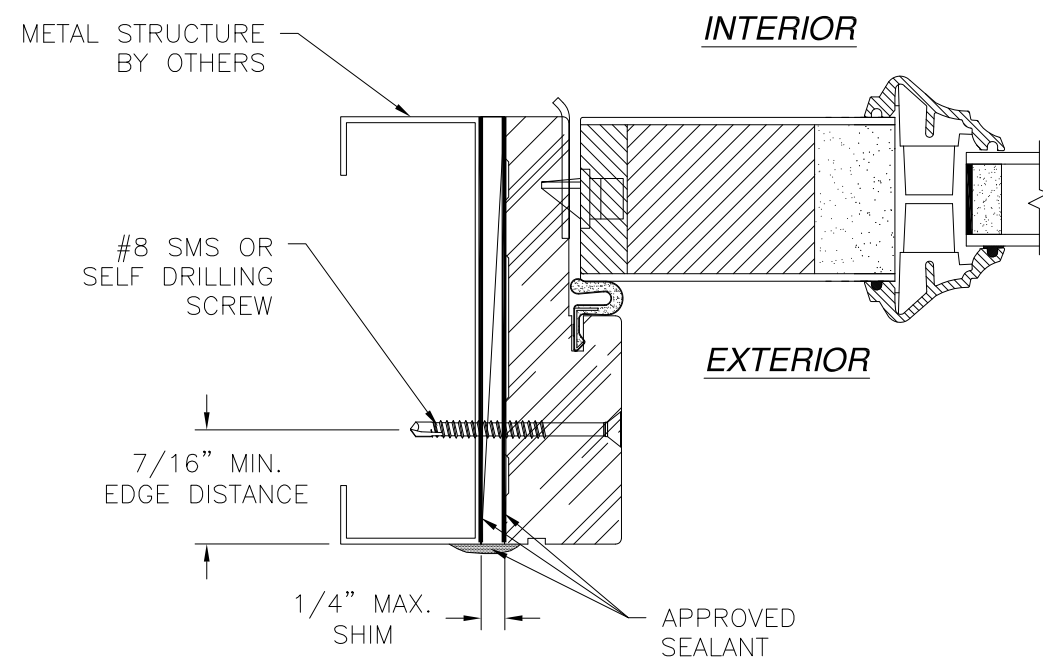


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VERTICAL CROSS SECTION INSWING
METAL STRUCTURE INSTALLATION

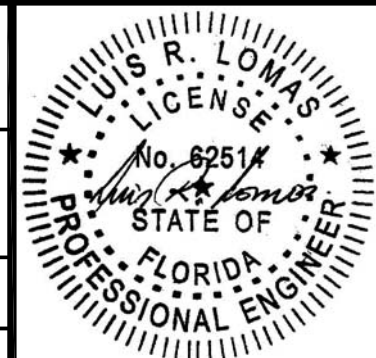


HORIZONTAL CROSS SECTION INSWING
METAL STRUCTURE INSTALLATION
STRIKE JAMB SHOWN, HINGE JAMB SIMILAR

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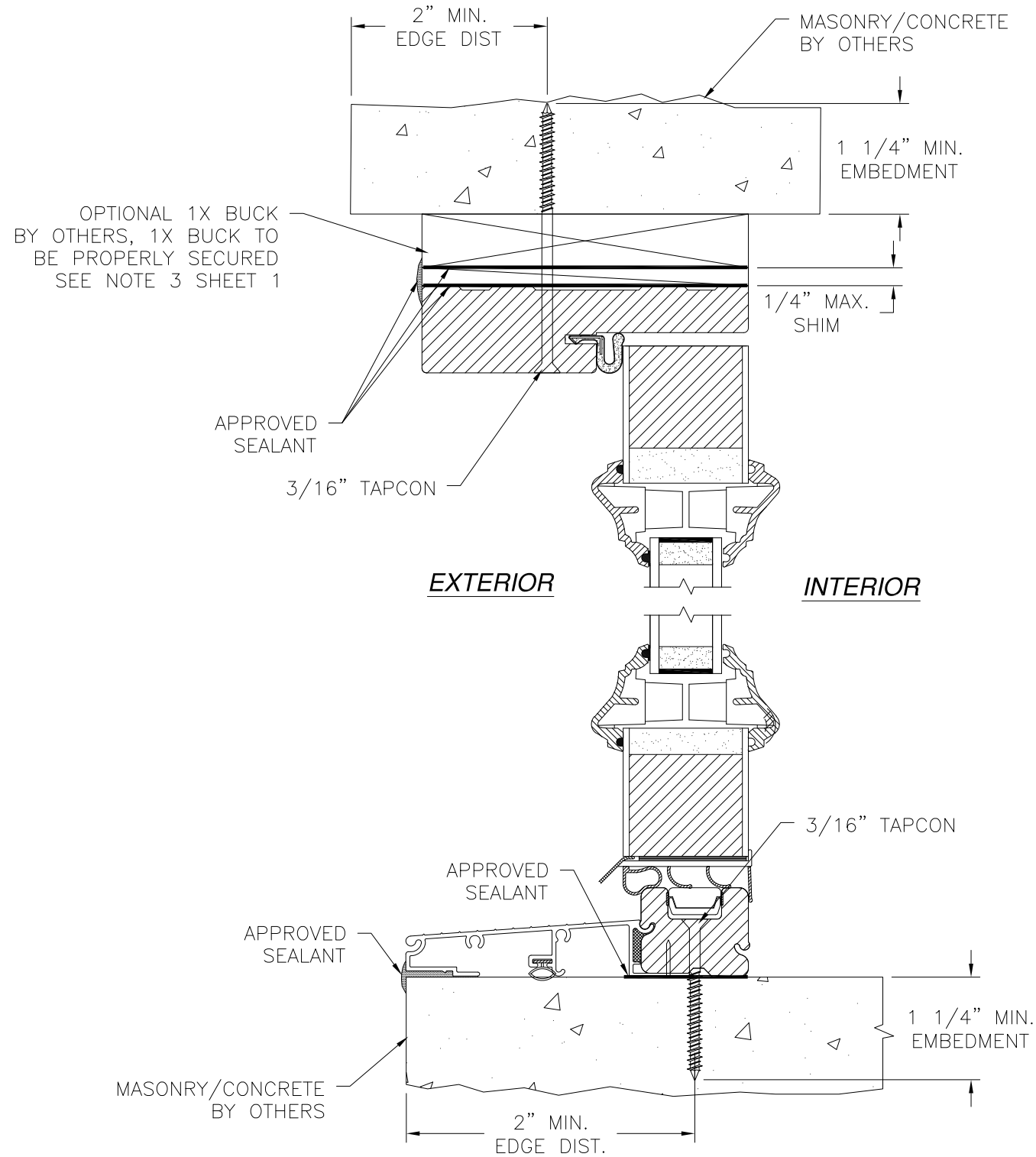
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PREMIUM GLAZED FIBERGLASS DOOR IS/OS 3'0 x 6'8 SINGLE – NON-IMPACT INSWING INSTALLATION DETAILS		
DRAWN: TJH	DWG NO. 08-01098	REV E
SCALE NTS	DATE 08/18/10	SHEET 5 OF 17
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

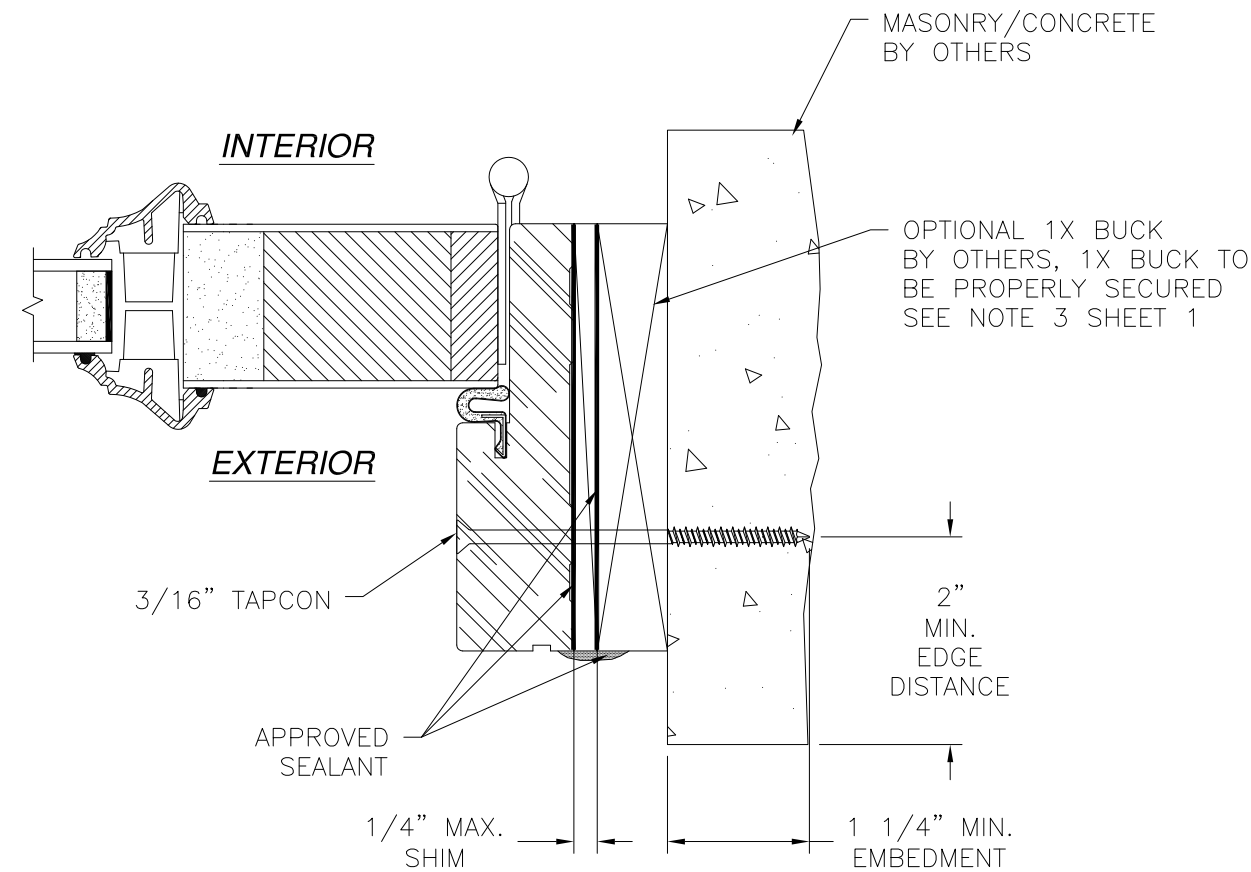


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VERTICAL CROSS SECTION INSWING
MASONRY/CONCRETE INSTALLATION

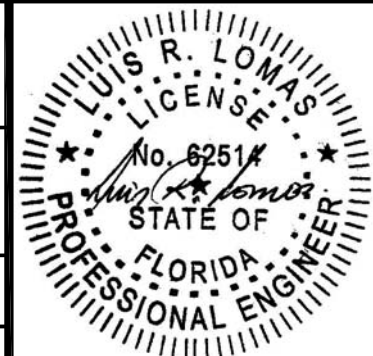


HORIZONTAL CROSS SECTION INSWING
MASONRY/CONCRETE INSTALLATION
HINGE JAMB SHOW, STRIKE JAMB SIMILAR

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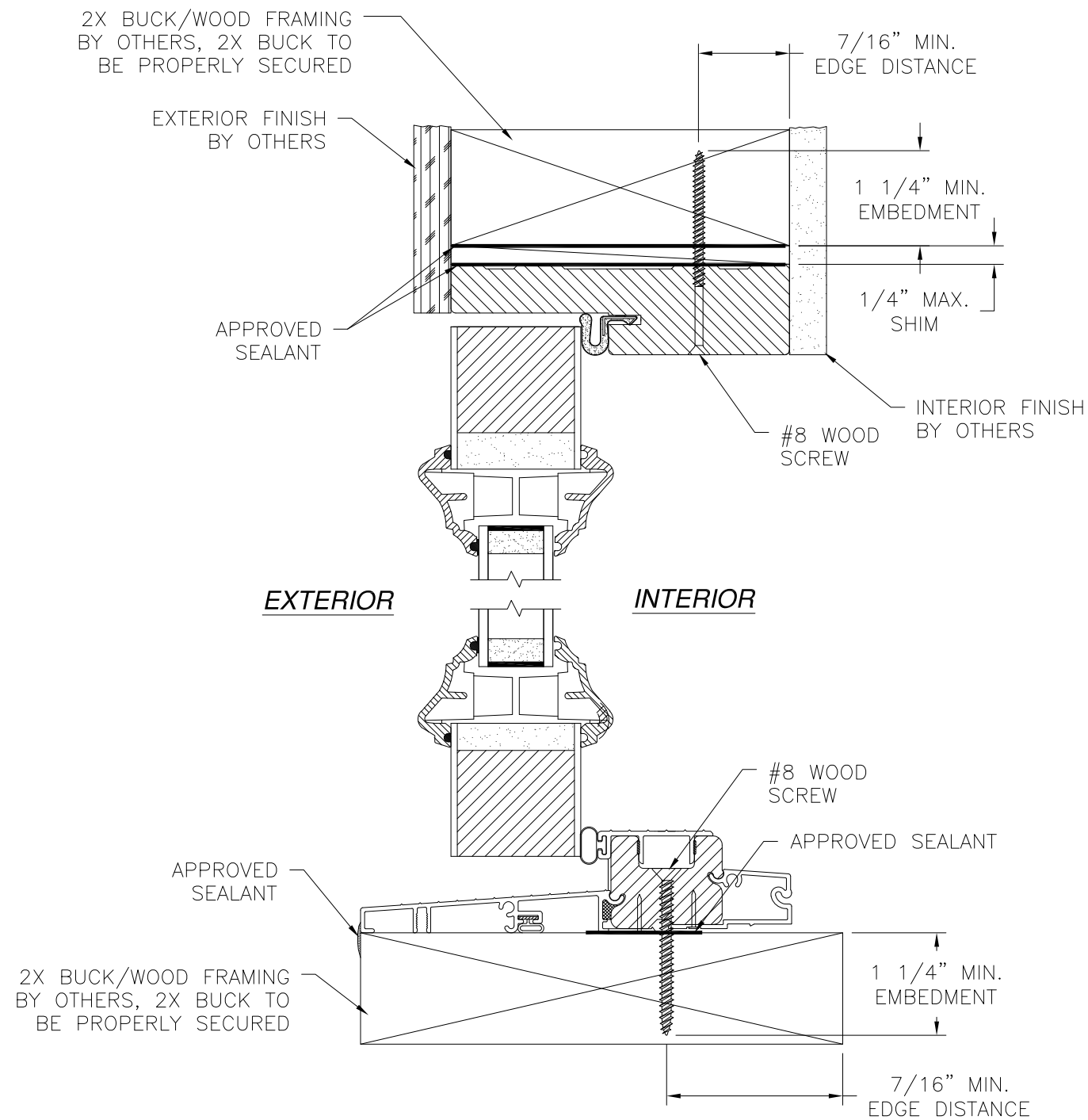
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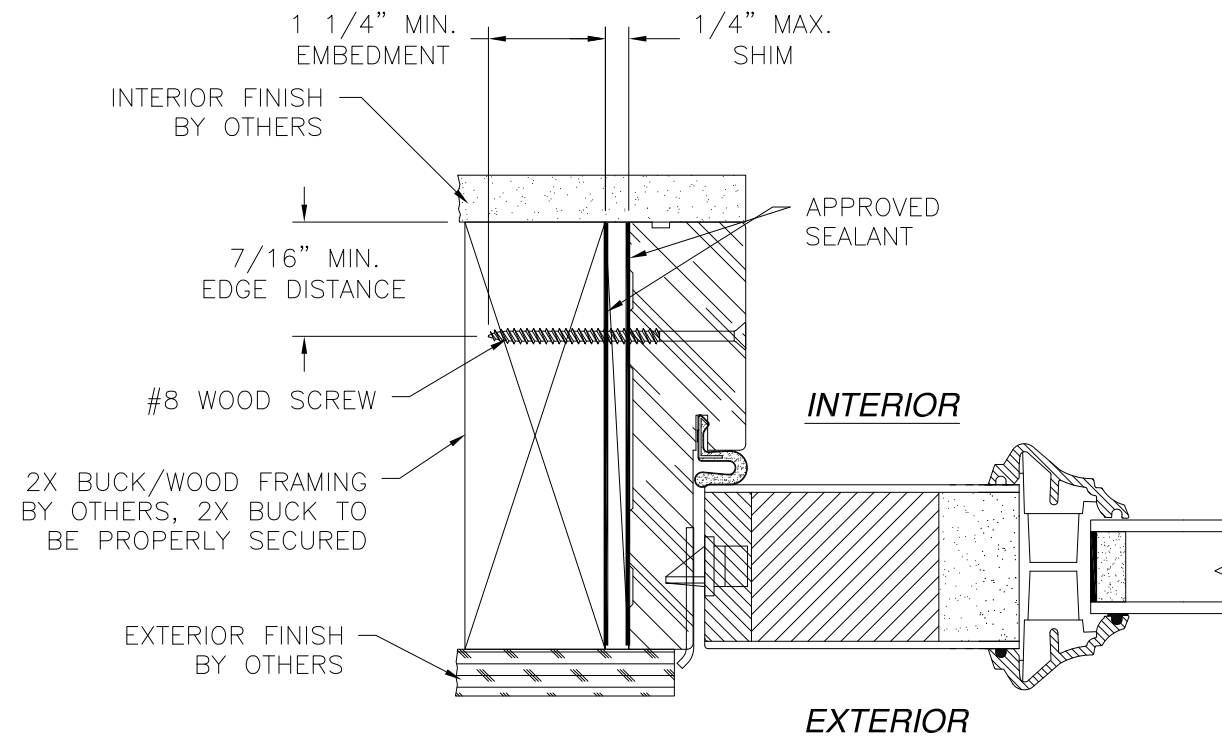


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VERTICAL CROSS SECTION OUTSWING
2X BUCK/WOOD FRAMING

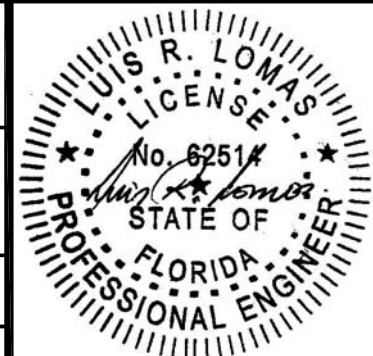


HORIZONTAL CROSS SECTION OUTSWING
2X BUCK/WOOD FRAMING
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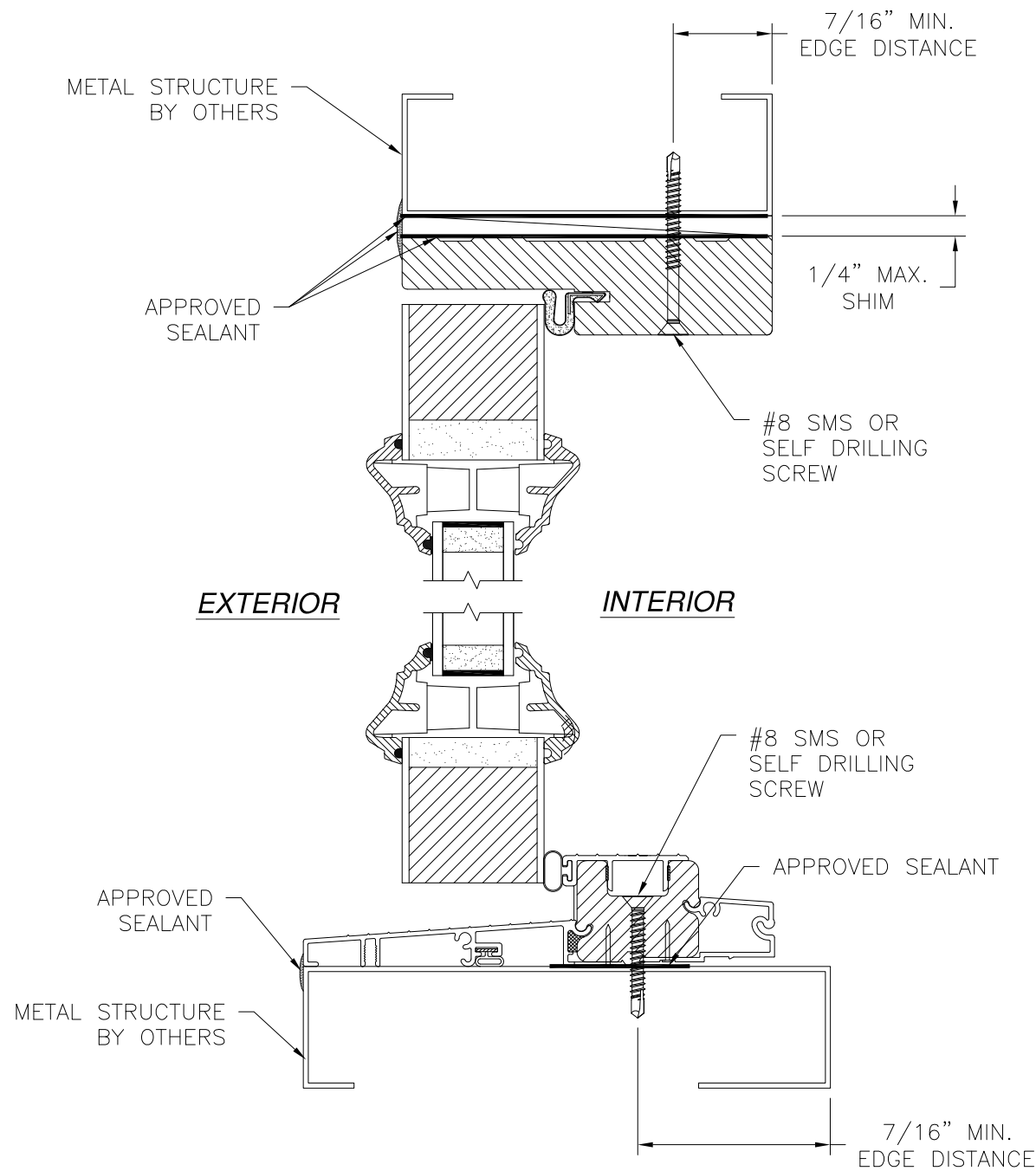
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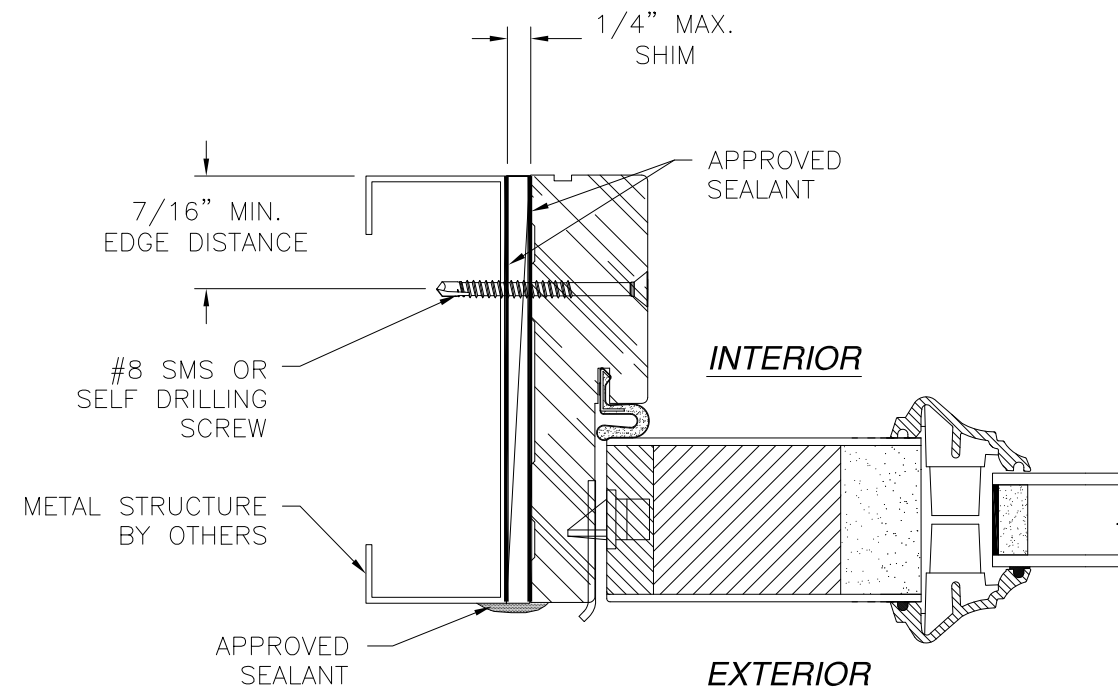


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VERTICAL CROSS SECTION OUTSWING
METAL STRUCTURE INSTALLATION

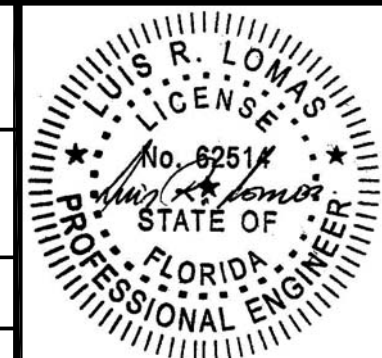


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METAL STRUCTURE INSTALLATION
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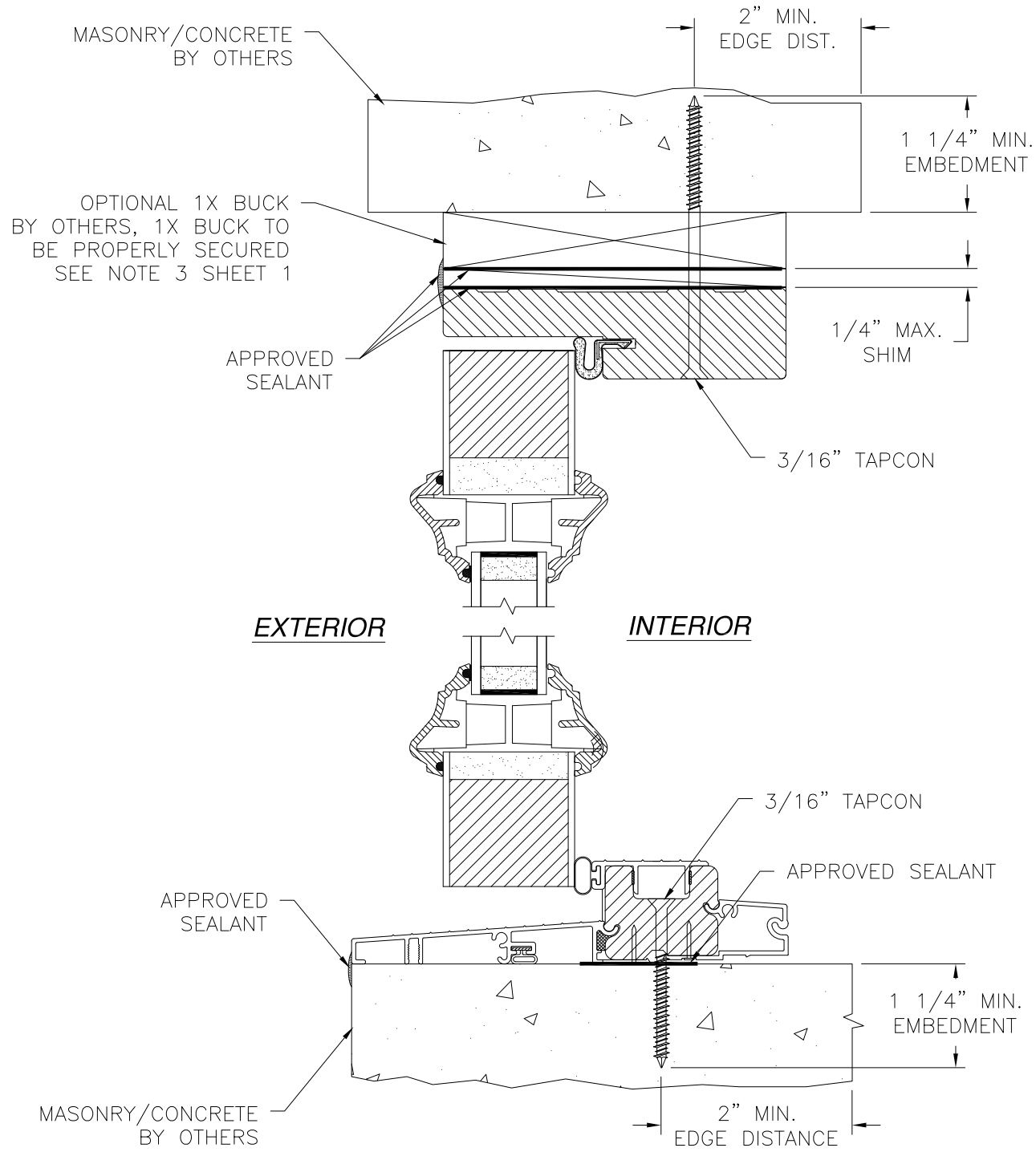
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PREMIUM GLAZED FIBERGLASS DOOR IS/OS 3'0 x 6'8 SINGLE – NON-IMPACT OUTWING INSTALLATION DETAILS		
DRAWN: TJH	DWG NO. 08-01098	REV E
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L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

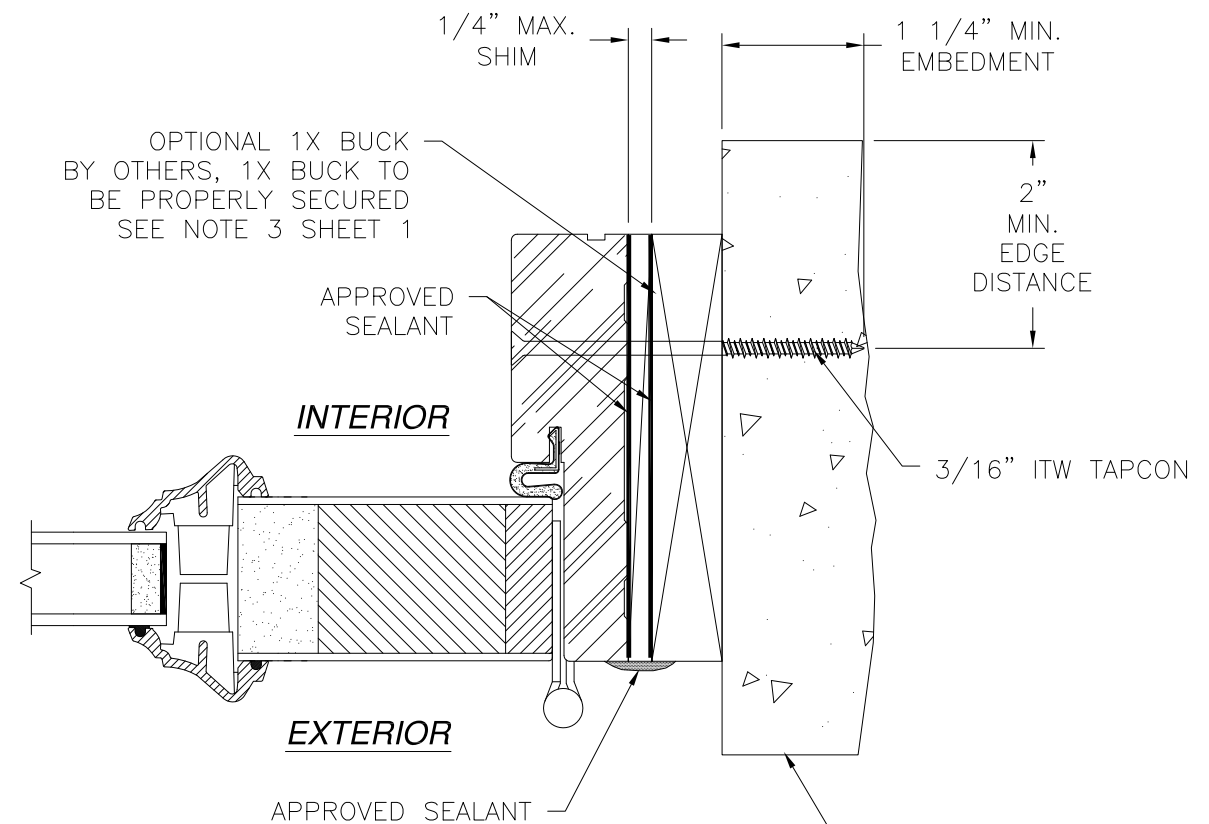


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VERTICAL CROSS SECTION OUTSWING
MASONRY/CONCRETE INSTALLATION



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

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SUGARCREEK, OH 44681

PREMIUM GLAZED FIBERGLASS DOOR IS/OS

3'0 x 6'8 SINGLE – NON-IMPACT

OUTSWING INSTALLATION DETAILS

DRAWN: TJH

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REV E

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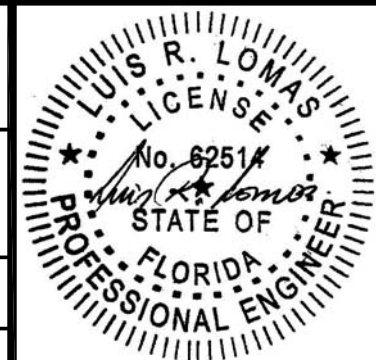
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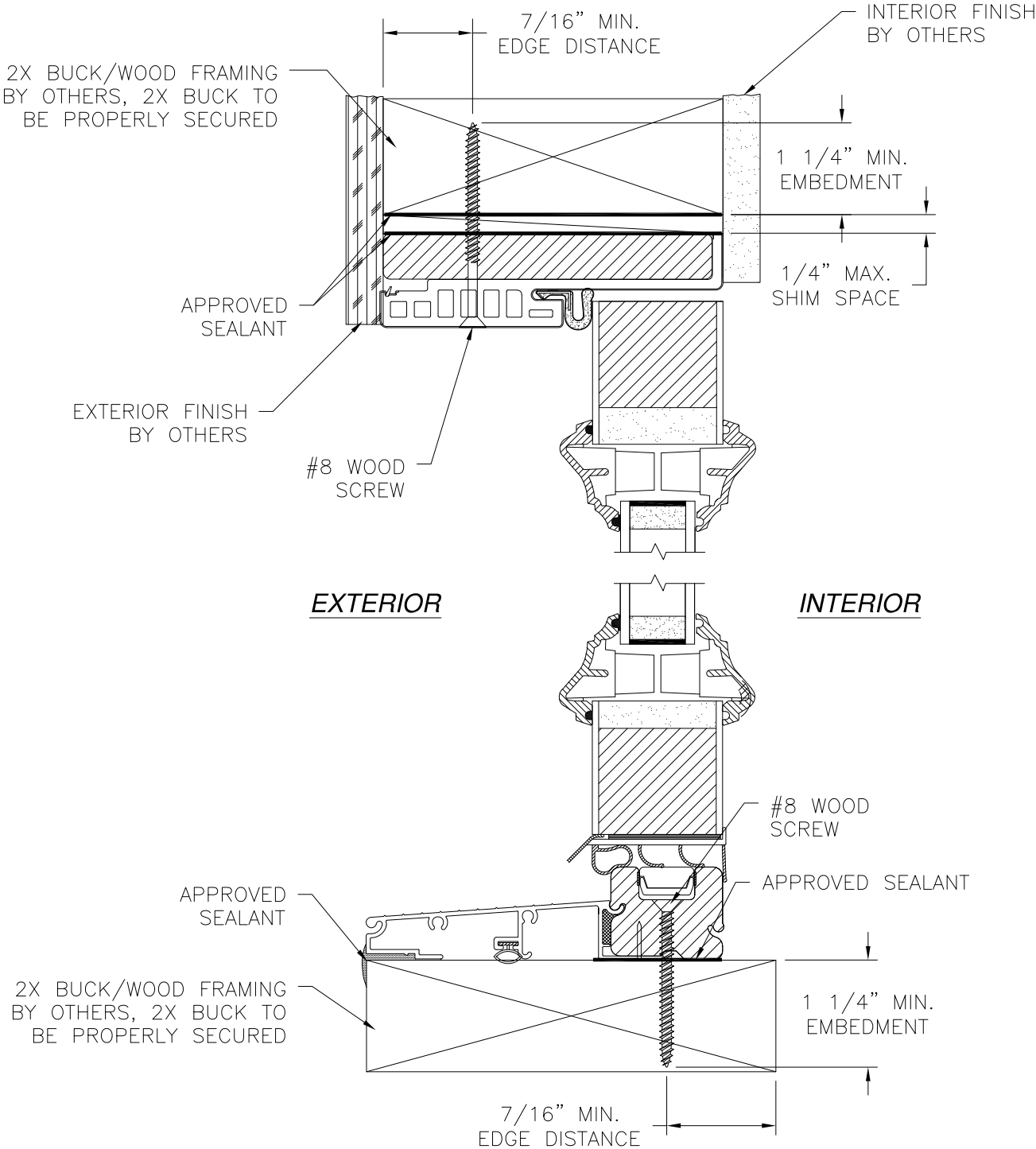
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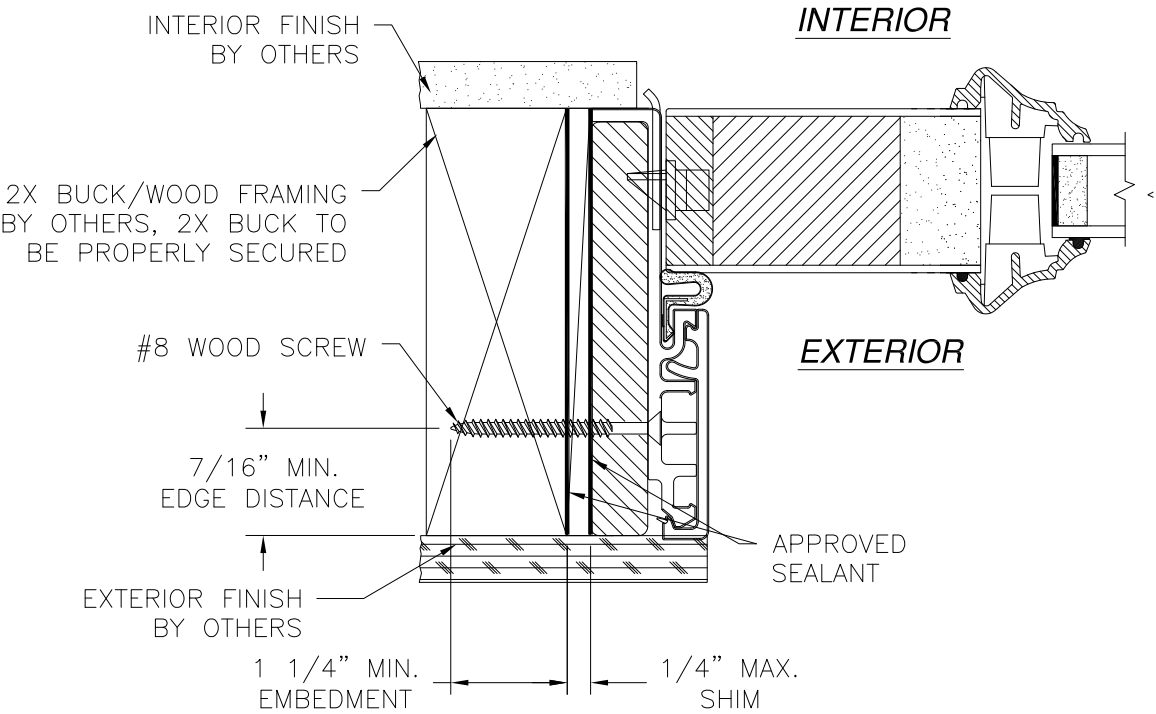


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VERTICAL CROSS SECTION INSWING
2X BUCK/WOOD FRAMING

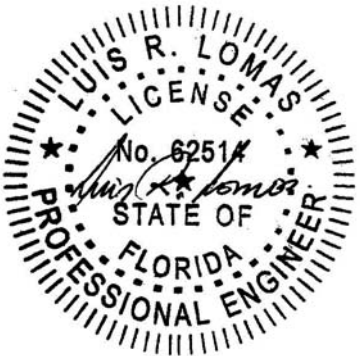


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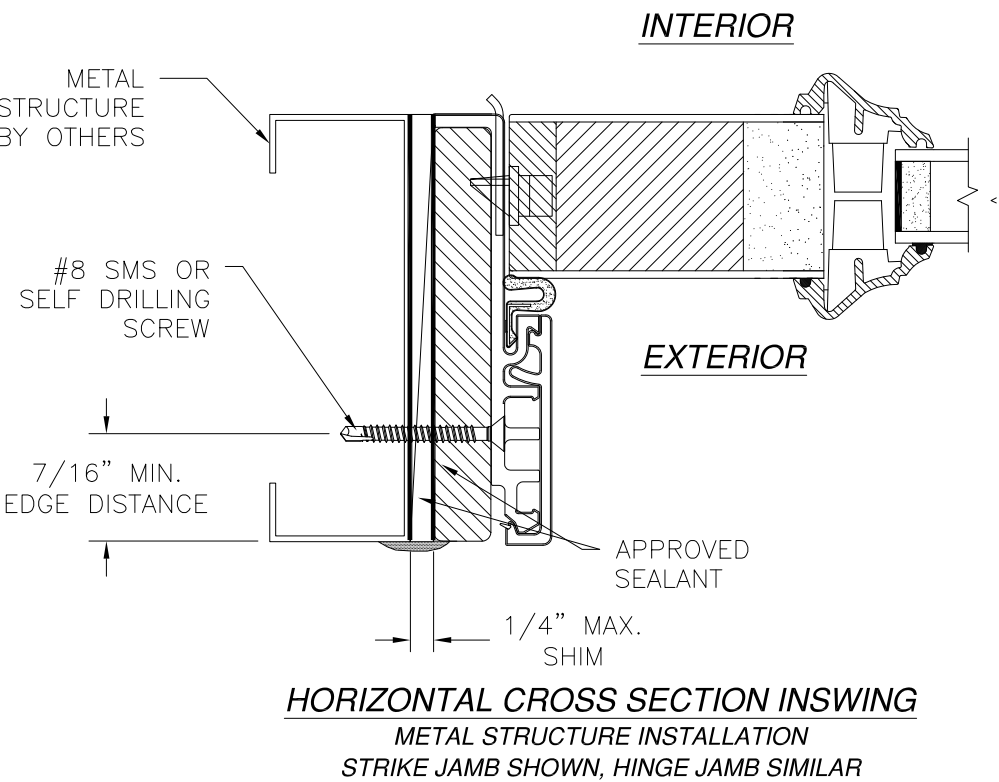
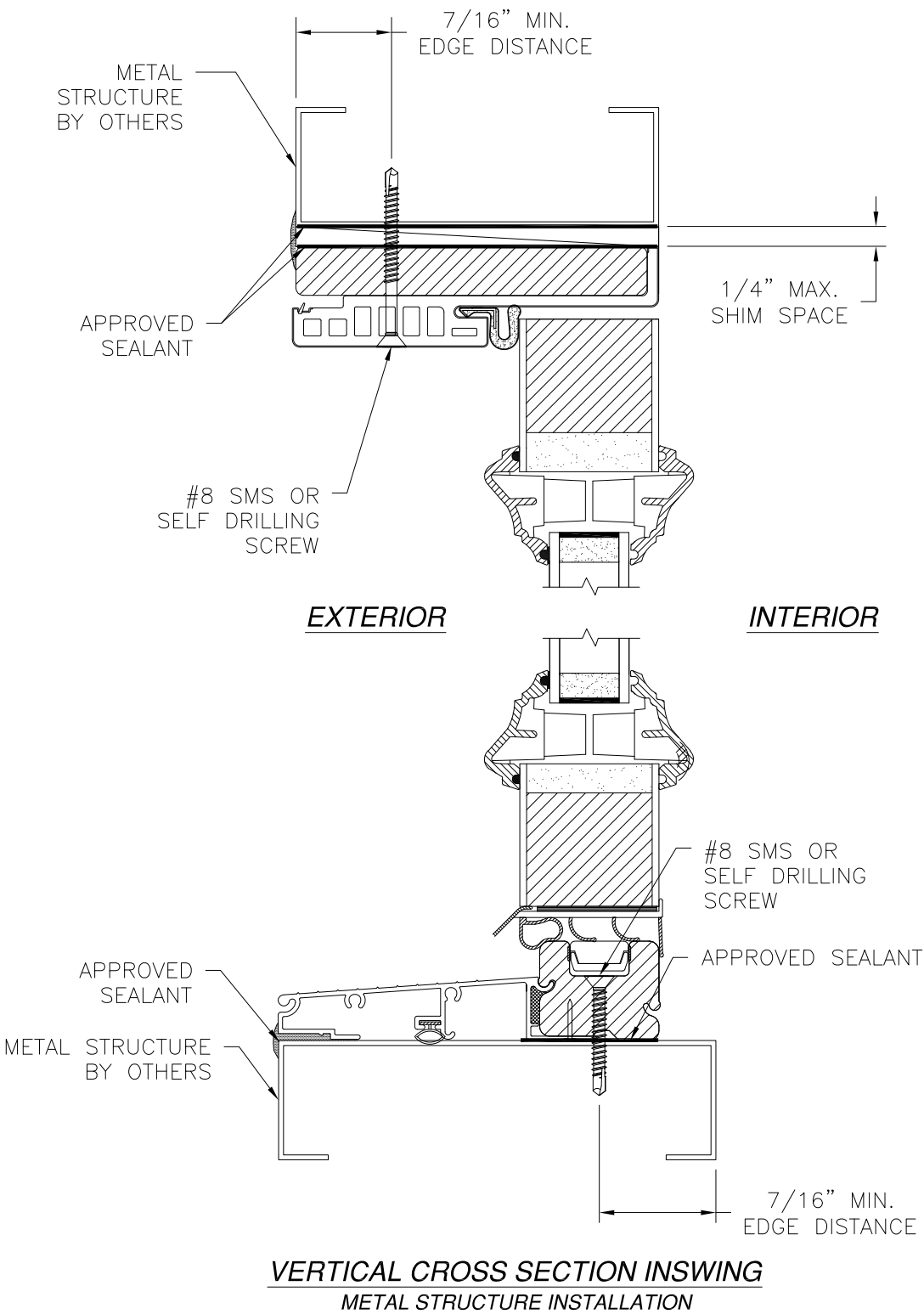
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PREMIUM GLAZED FIBERGLASS DOOR IS/OS 3'0 x 6'8 SINGLE – NON-IMPACT INSWING INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: TJH	DWG NO. 08-01098	REV E
SCALE NTS	DATE 08/18/10	SHEET 10 OF 17
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PREMIUM GLAZED FIBERGLASS DOOR IS/OS

3'0 x 6'8 SINGLE – NON-IMPACT

INSWING INSTALLATION DETAILS W/FUSION FRAME

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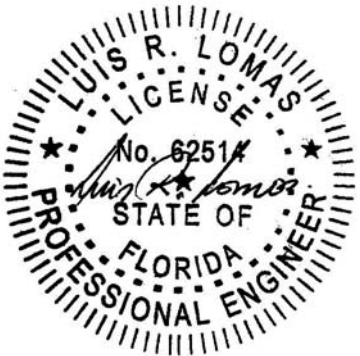
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SHEET 11 OF 17

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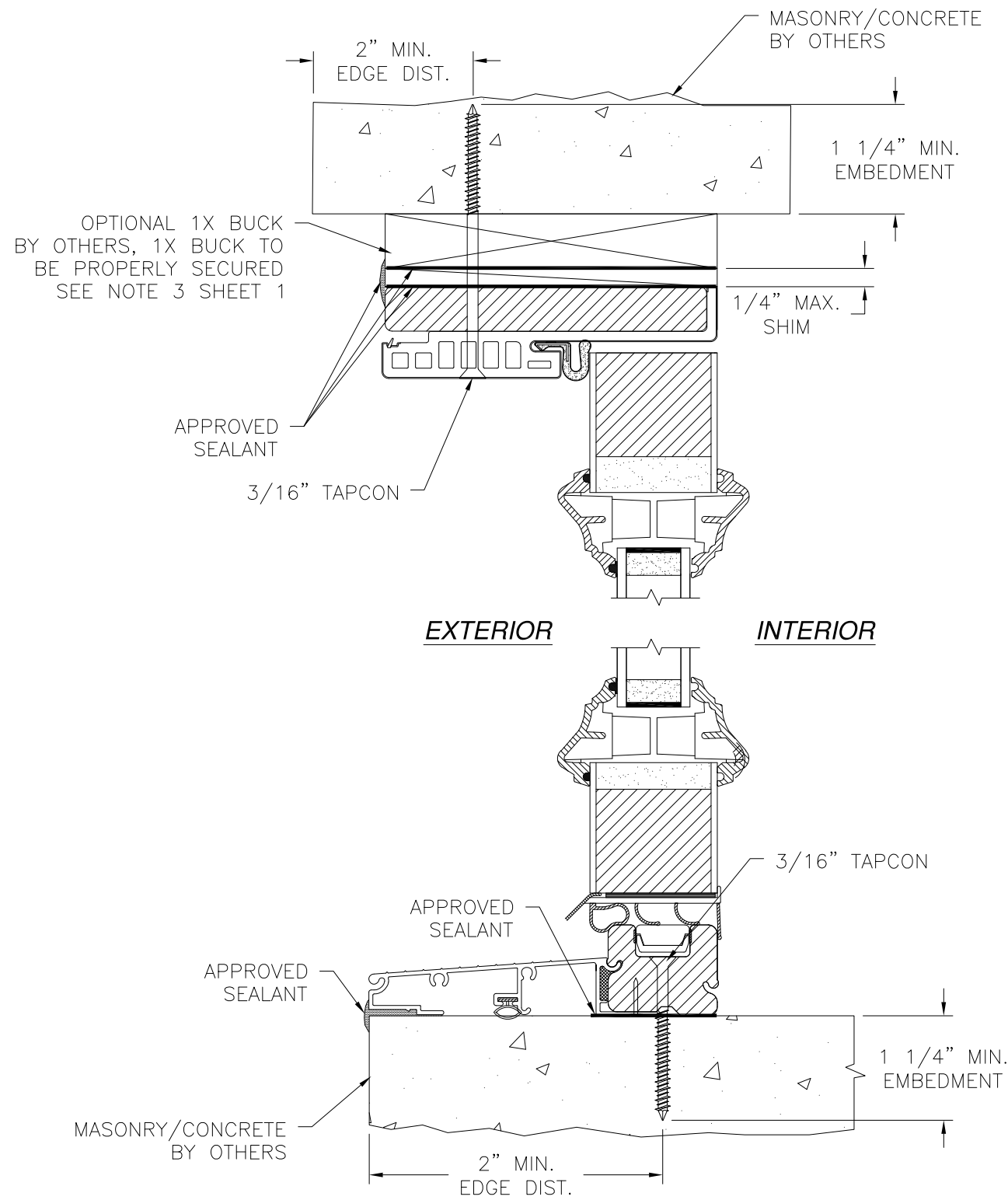
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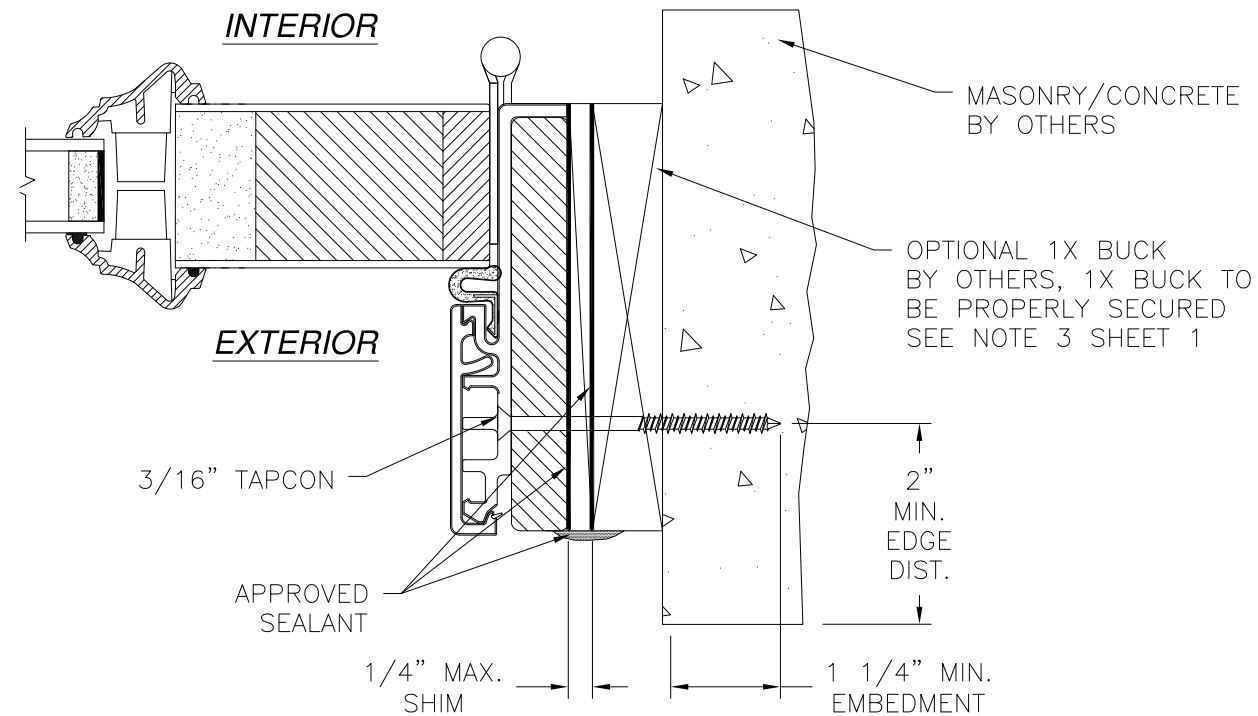


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VERTICAL CROSS SECTION INSWING
MASONRY/CONCRETE INSTALLATION

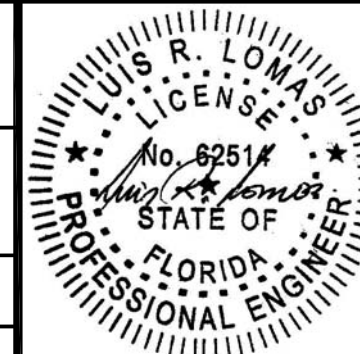


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MASONRY/CONCRETE INSTALLATION
HINGE JAMB SHOW, STRIKE JAMB SIMILAR

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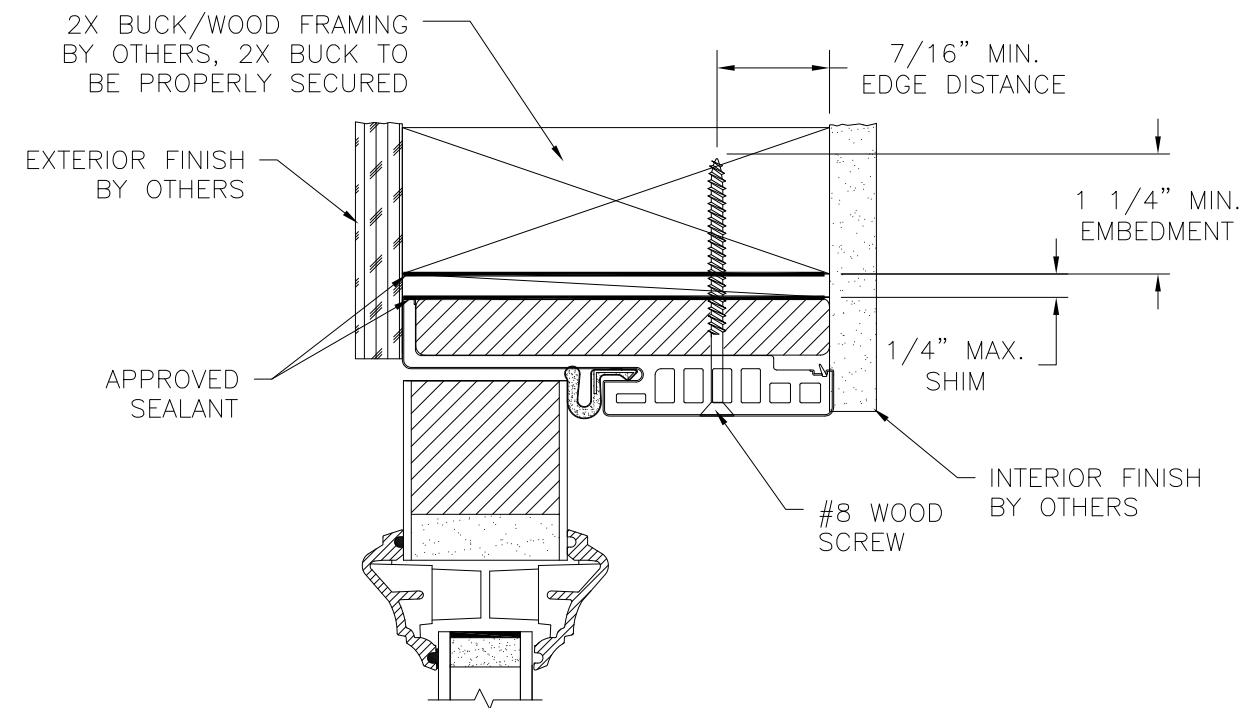
SIGNED: 01/08/2020

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 W/FUSION FRAME		
DRAWN: TJH	DWG NO. 08-01098	REV E
SCALE NTS	DATE 08/18/10	SHEET 12 OF 17
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



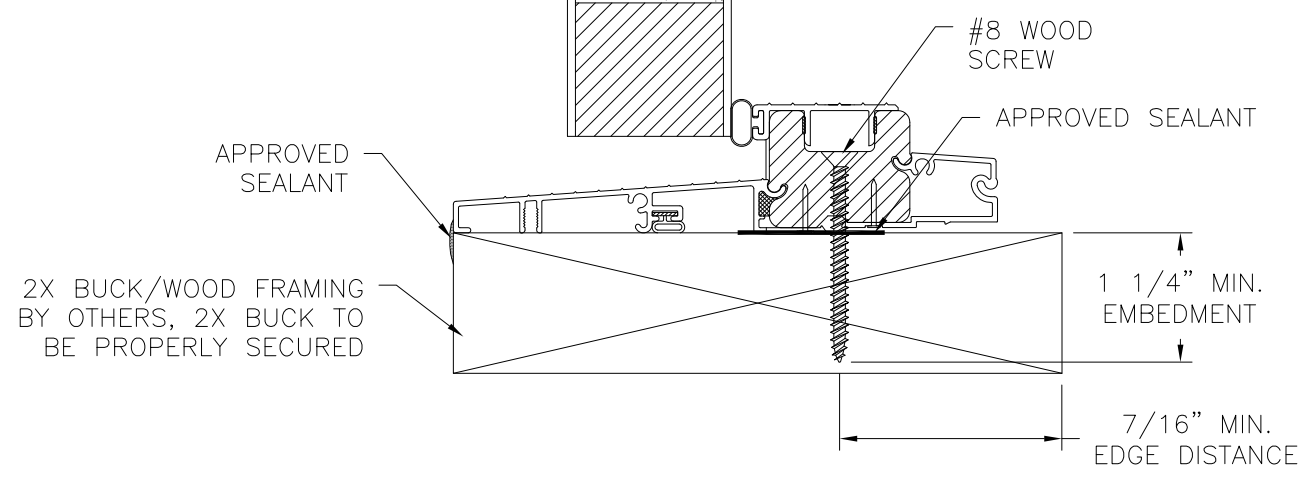
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.

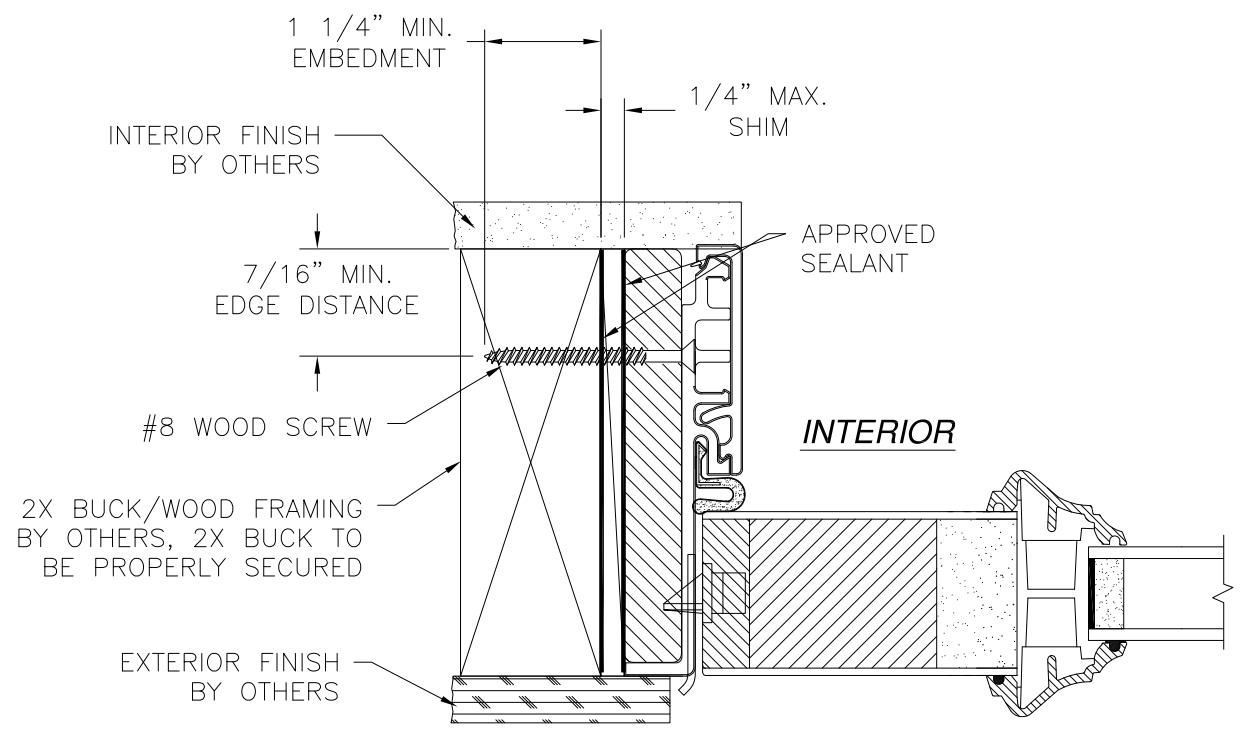


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION OUTSWING
2X BUCK/WOOD FRAMING



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

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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SIGNED: 01/08/2020

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 E

SCALE NTS

DATE 08/18/10

SHEET 13 OF 17

L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS

LICENS. M. S.

No. 62514

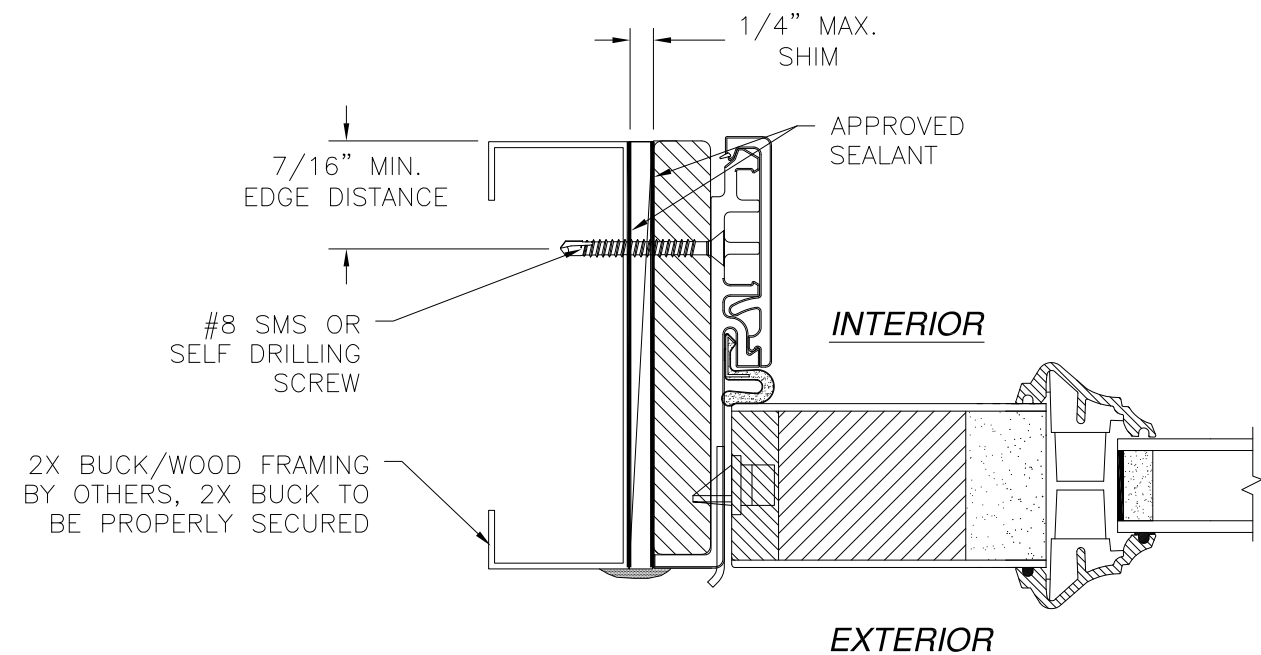
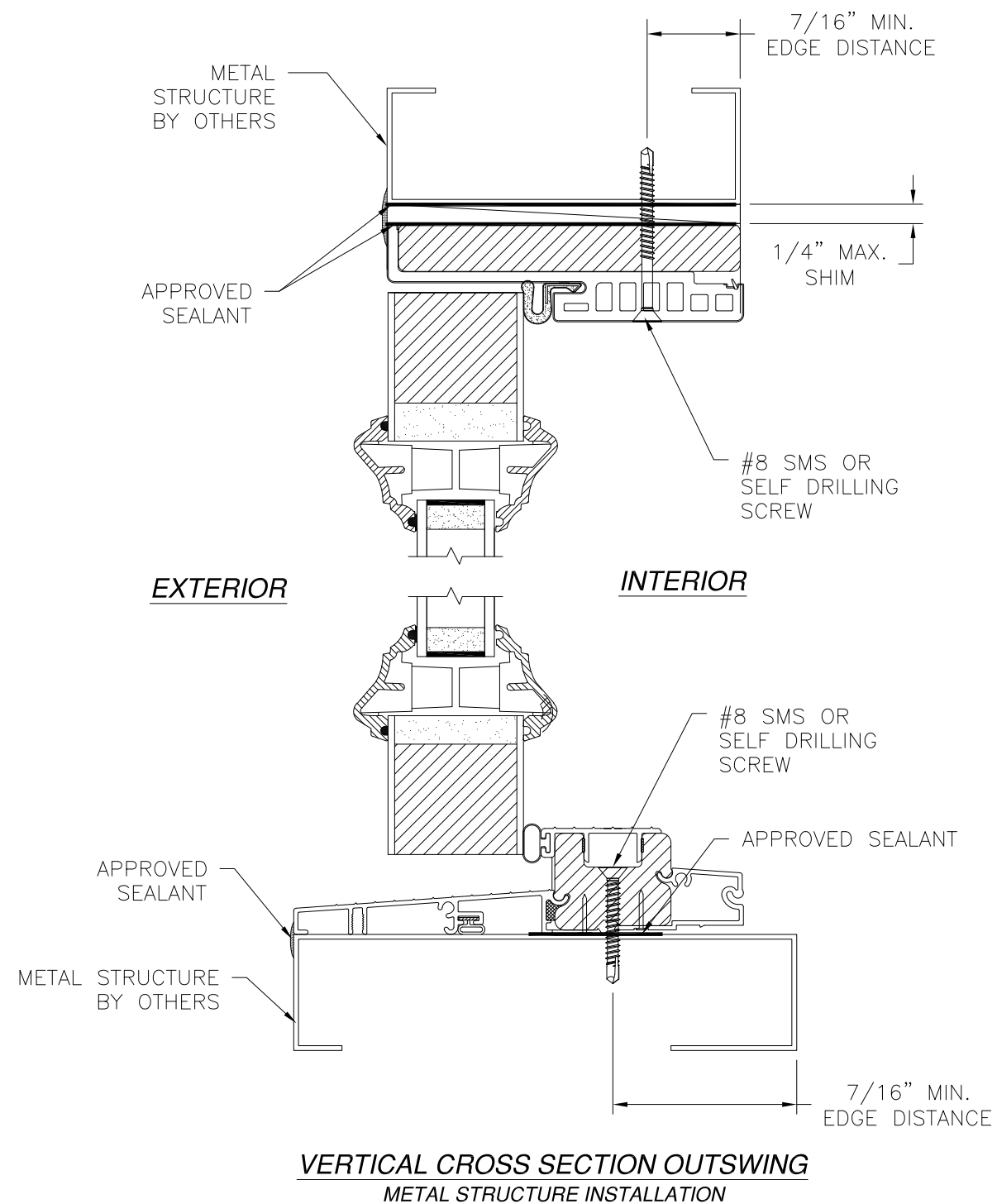
STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514

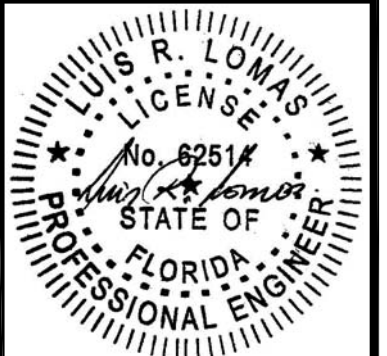
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REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



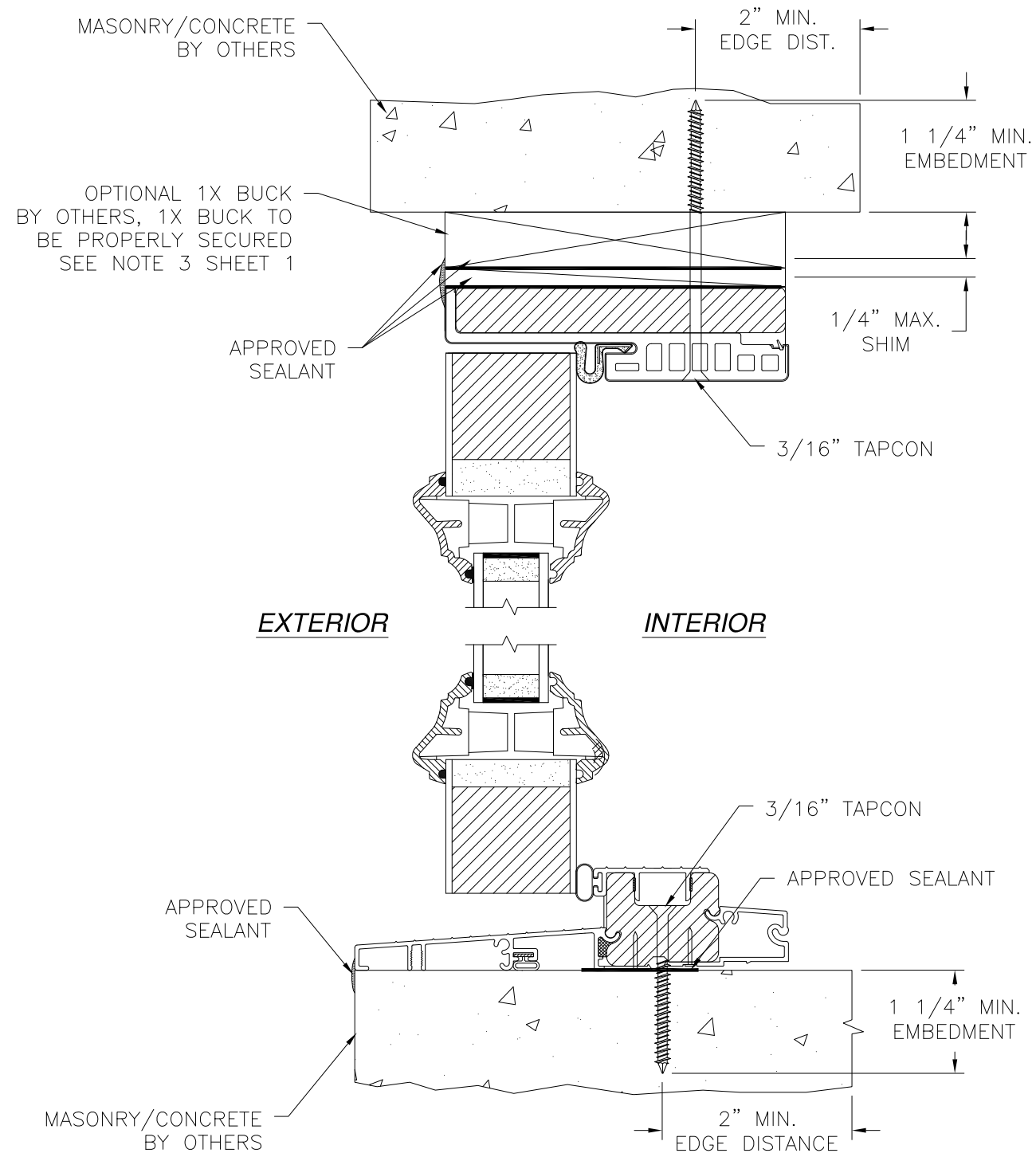
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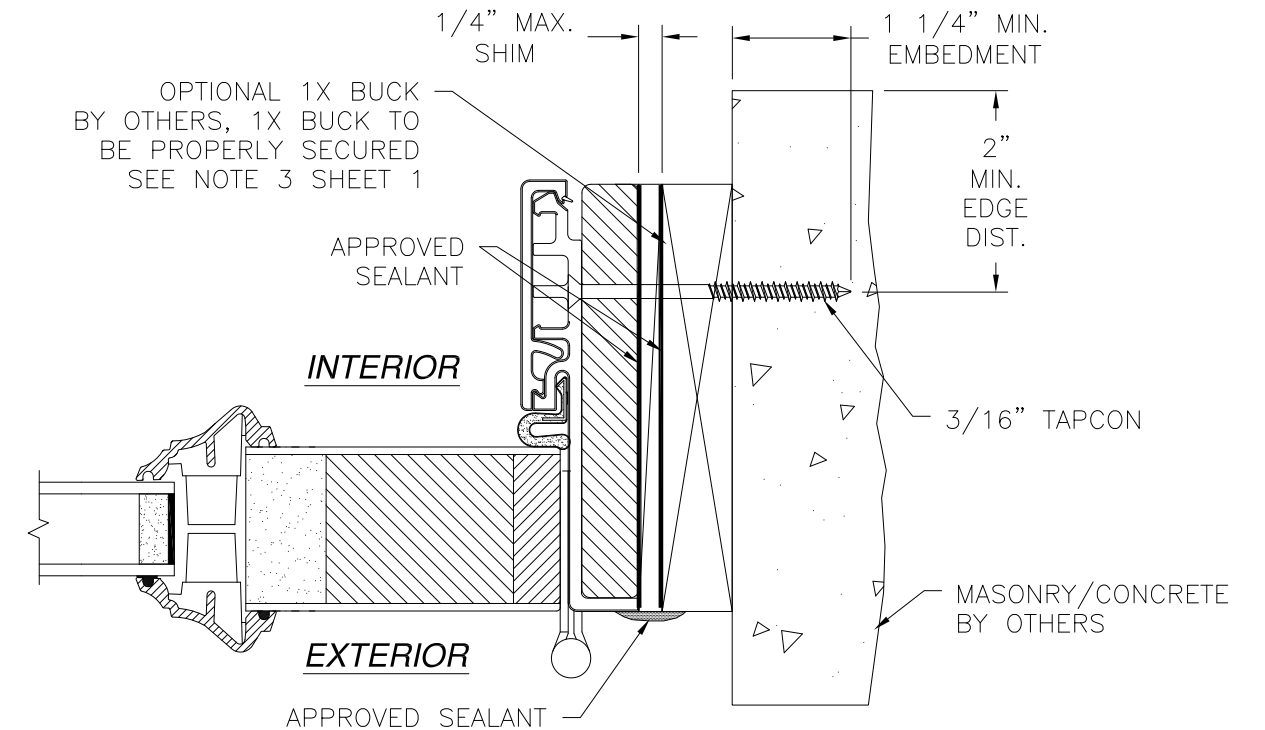
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PREMIUM GLAZED FIBERGLASS DOOR IS/OS 3'0 x 6'8 SINGLE – NON-IMPACT OUTWING INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: TJH	DWG NO. 08-01098	REV E
SCALE NTS	DATE 08/18/10	SHEET 14 OF 17
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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



VERTICAL CROSS SECTION OUTSWING
MASONRY/CONCRETE INSTALLATION



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

NOTES:

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

PROVIA, LLC.

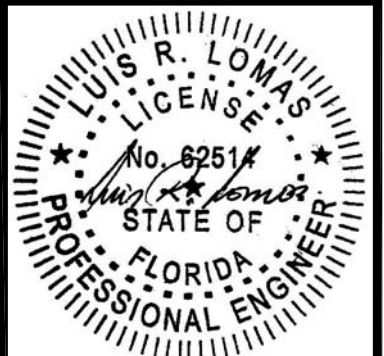
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

PREMIUM GLAZED FIBERGLASS DOOR IS/OS
3'0 x 6'8 SINGLE – NON-IMPACT
OUTSWING INSTALLATION DETAILS W/FUSION FRAME

DRAWN: TJH	DWG NO. 08-01098	REV E
SCALE NTS	DATE 08/18/10	SHEET 15 OF 17

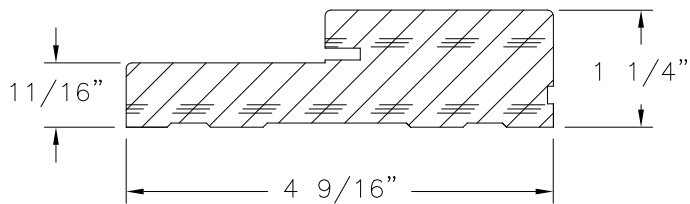
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1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

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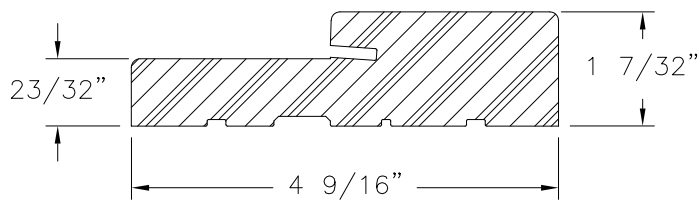


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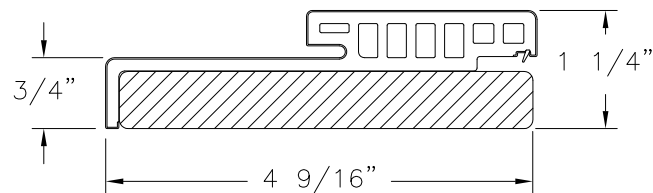
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REV	DESCRIPTION	DATE	APPROVED
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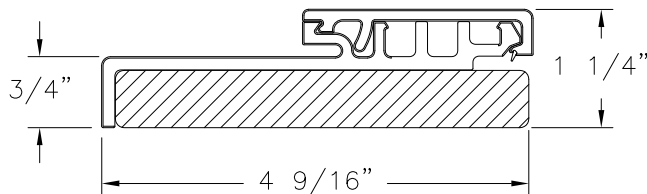
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WOOD G.46 MIN.



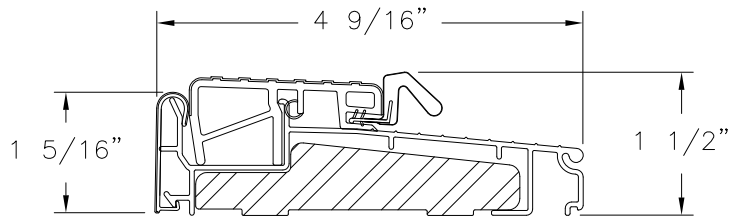
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COMPOSITE



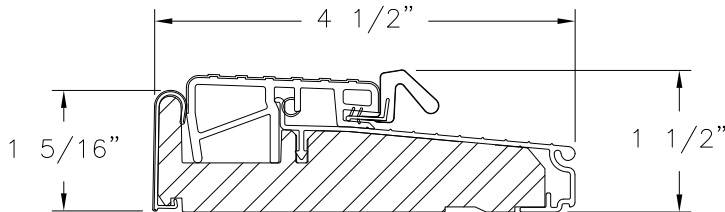
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WOOD/COMPOSITE



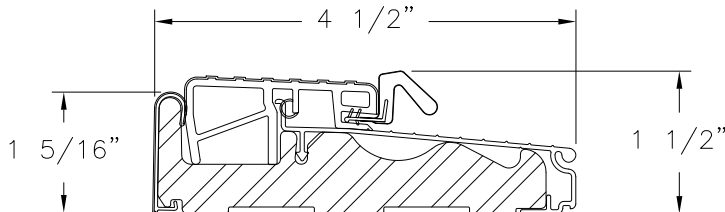
HYBRID JAMB
WOOD/COMPOSITE



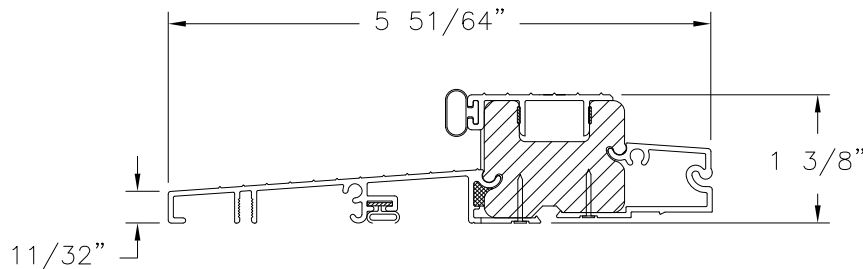
OUTSWING SILL ZOBL4565



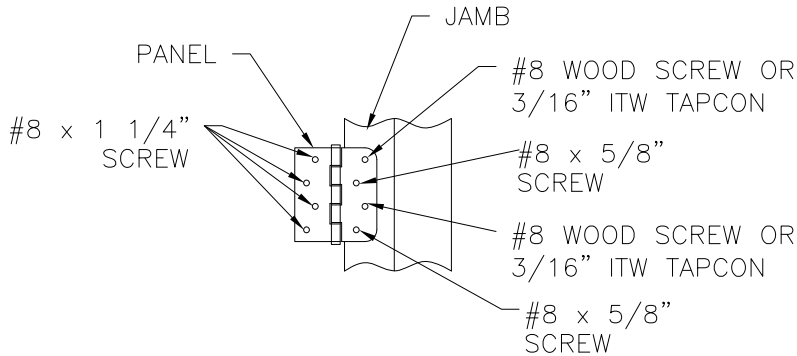
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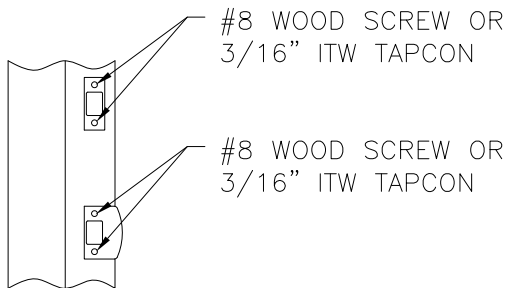
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OUTSWING SILL



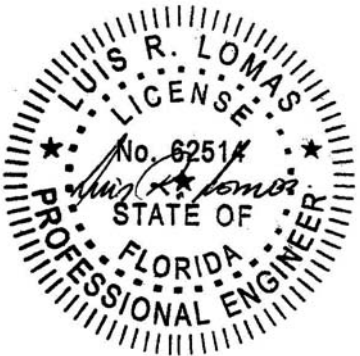
DETAIL A HINGE DETAIL



DETAIL B STRIKE DETAIL

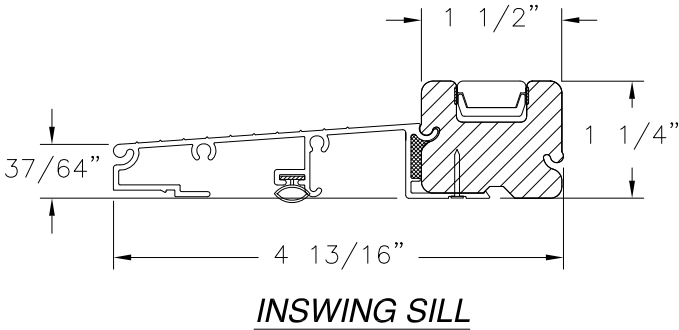
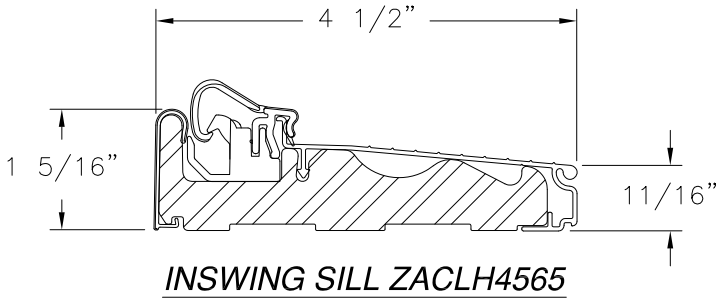
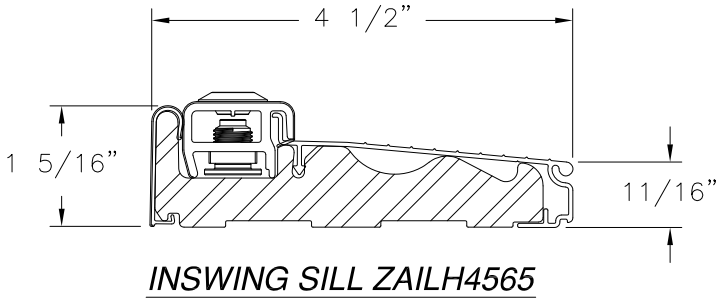
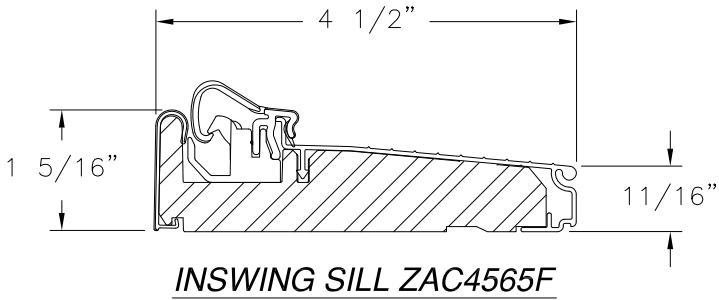
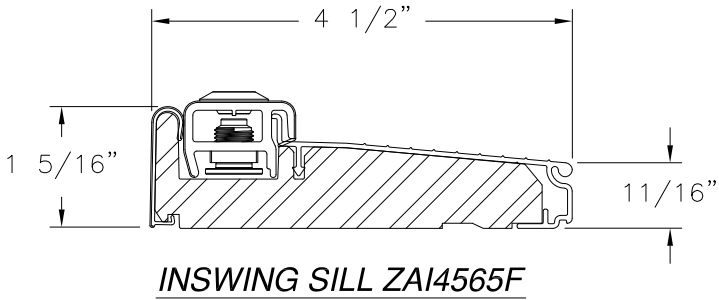
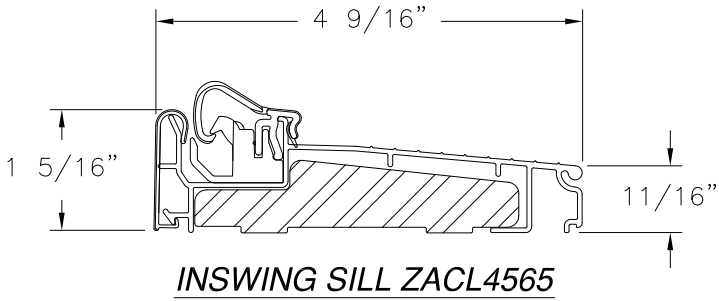
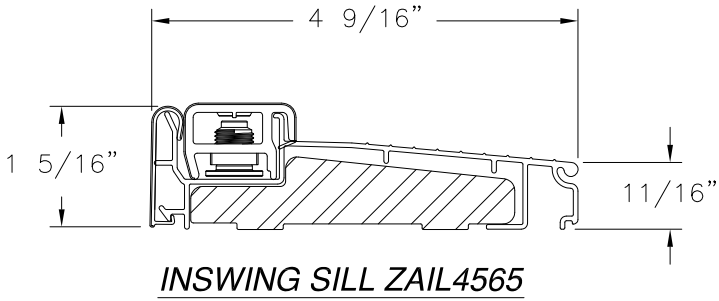
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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PREMIUM GLAZED FIBERGLASS DOOR IS/OS 3'0 x 6'8 SINGLE – NON-IMPACT COMPONENTS		
DRAWN: TJH	DWG NO. 08-01098	REV E
SCALE NTS	DATE 08/18/10	SHEET 16 OF 17
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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PREMIUM GLAZED FIBERGLASS DOOR IS/OS

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DWG NO. 08-01098

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