

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	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. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION 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, SEE SHEET 2 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT 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 AND B–SERIES OR F–SERIES DEADBOLT OR EMTEK RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY OR MULTI–POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM, SEE HARDWARE SCHEDULE SHEET 3 FOR APPROVED HARDWARE.

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

PREMIUM FIBERGLASS DOOR IS/OS
W/ AND W/OUT SIDELITES
NOTES

DRAWN:
TJH

DWG NO.
08–00904

REV
E

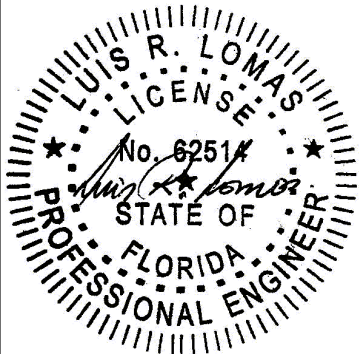
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DATE 12/15/09

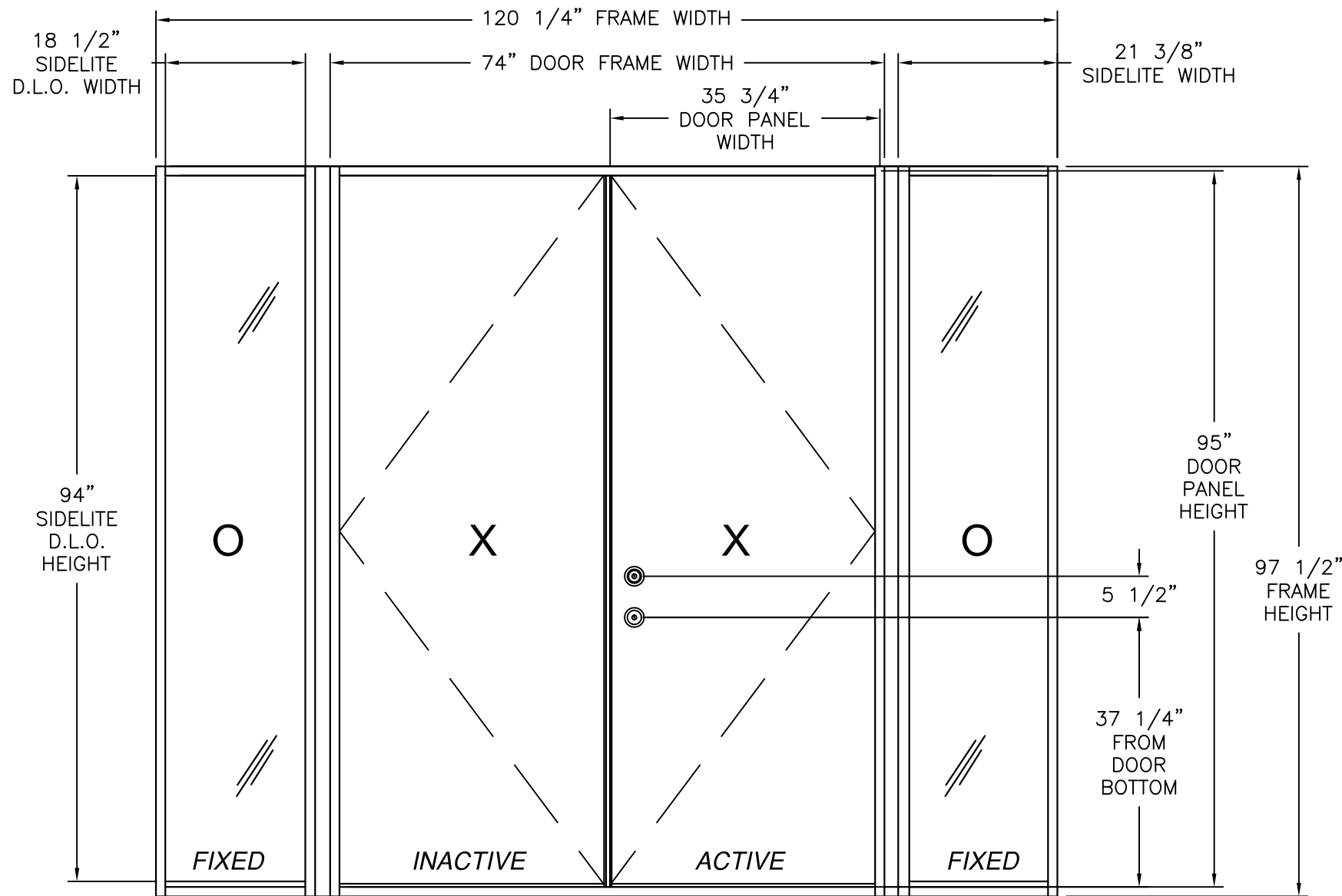
SHEET 1 OF 20

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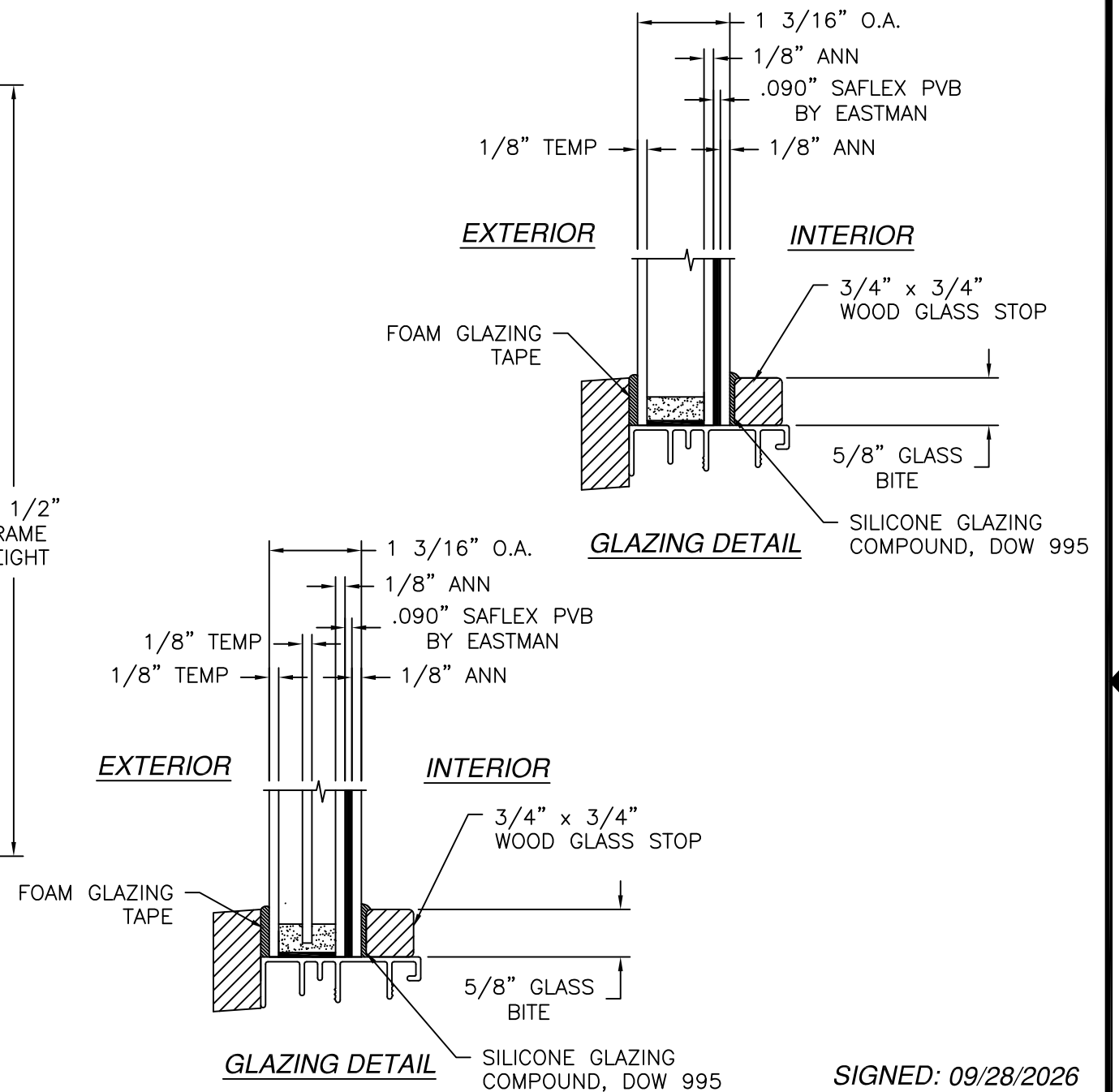
Luis R. Lomas P.E.
FL No.: 62514



PREMIUM FIBERGLASS INSWING DOUBLE DOOR W/SIDELITES
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
+45.0/-51.0PSF	
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	LARGE AND SMALL MISSILE IMPACT

FOR ADDITIONAL APPROVED CONFIGURATIONS SEE SHEET 4.
35 3/4" X 95" PANEL SHOWN, OTHER SIZES APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.58 FT²
AND SIDELITE PANELS DO NOT EXCEED INDIVIDUAL PANEL AREA OF 14.47 FT²



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**PREMIUM FIBERGLASS DOOR IS/OS
W/ AND W/OUT SIDELITES
INSWING ELEVATION**

DRAWN: TJH	DWG NO. 08-00904	REV E
SCALE NTS	DATE 12/15/09	SHEET 2 OF 20

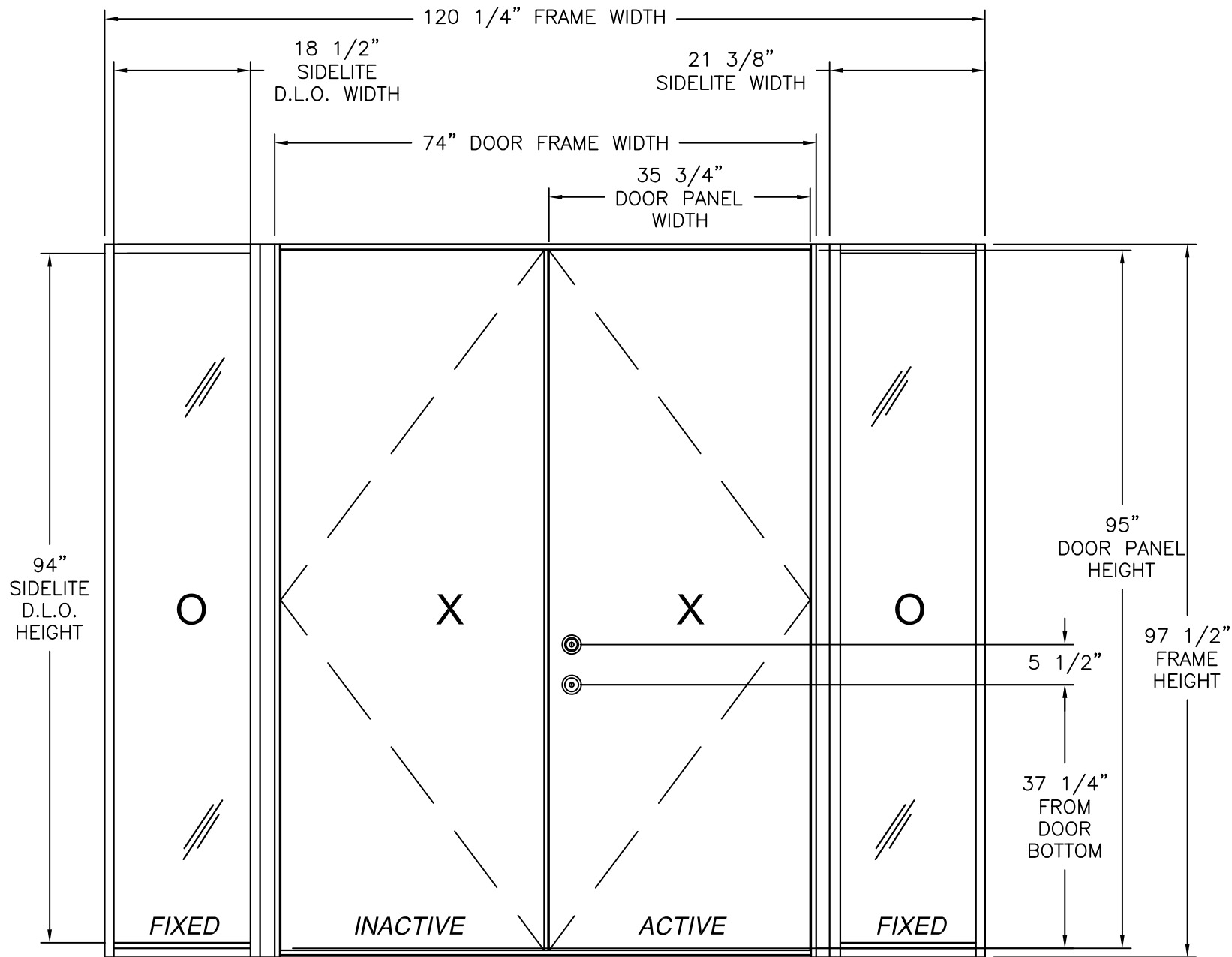
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LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

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PREMIUM FIBERGLASS OUTSWING DOUBLE DOOR W/SIDELITES
EXTERIOR VIEW

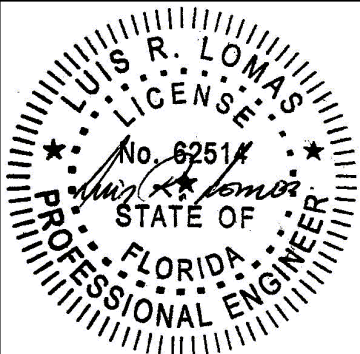
DESIGN PRESSURE RATING	IMPACT RATING
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AND SIDELITE PANELS DO NOT EXCEED INDIVIDUAL PANEL AREA OF 14.47 FT²

<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.	INSWING HURRICANE ASTRAGAL BY ENDURA.
G.	OUTSWING HURRICANE ASTRAGAL BY ENDURA.
H.	(3) 4" x 4" BALL BEARING HINGES BY PENROD.
I.	(3) 4" x 4" SPRING BOMMER HINGES BY PENROD.

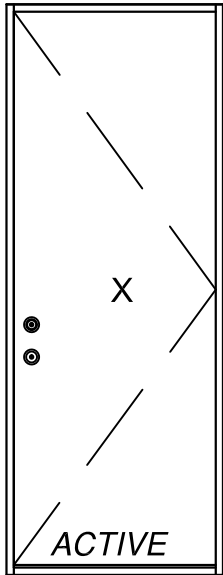
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PREMIUM FIBERGLASS DOOR IS/OS W/ AND W/OUT SIDELITES OUTSWING ELEVATION		
DRAWN: TJH	DWG NO. 08-00904	REV E
SCALE NTS	DATE 12/15/09	SHEET 3 OF 20
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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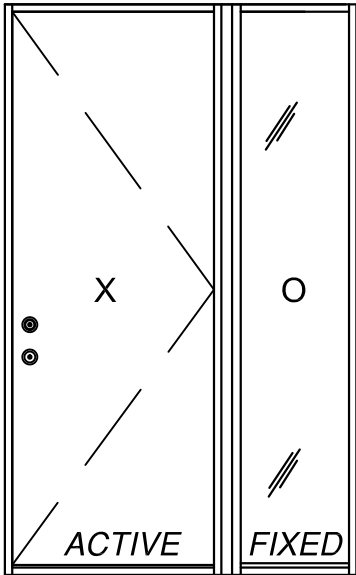


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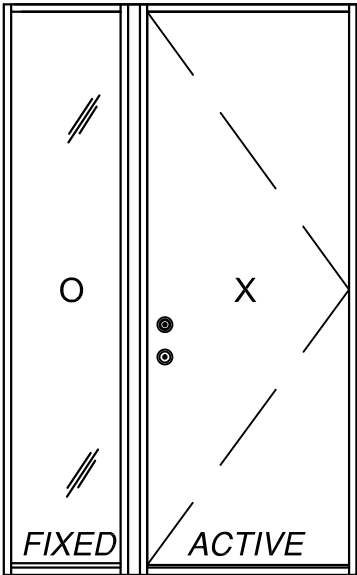
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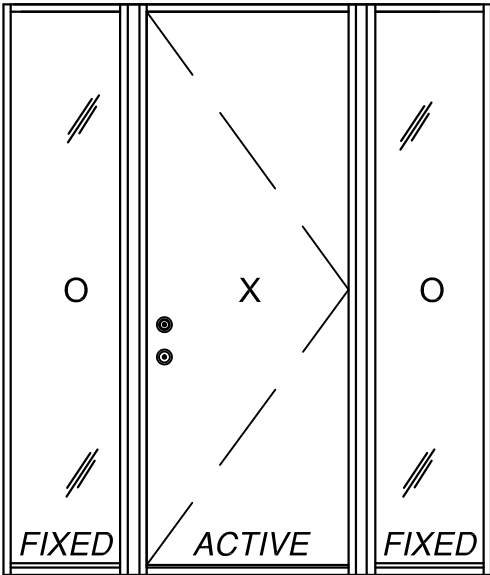
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EXTERIOR VIEW



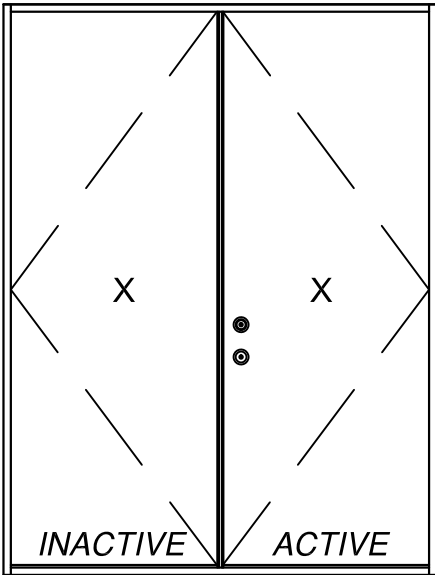
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EXTERIOR VIEW



SINGLE W/SIDELITE
EXTERIOR VIEW



SINGLE W/SIDELITES
EXTERIOR VIEW



DOUBLE
EXTERIOR VIEW

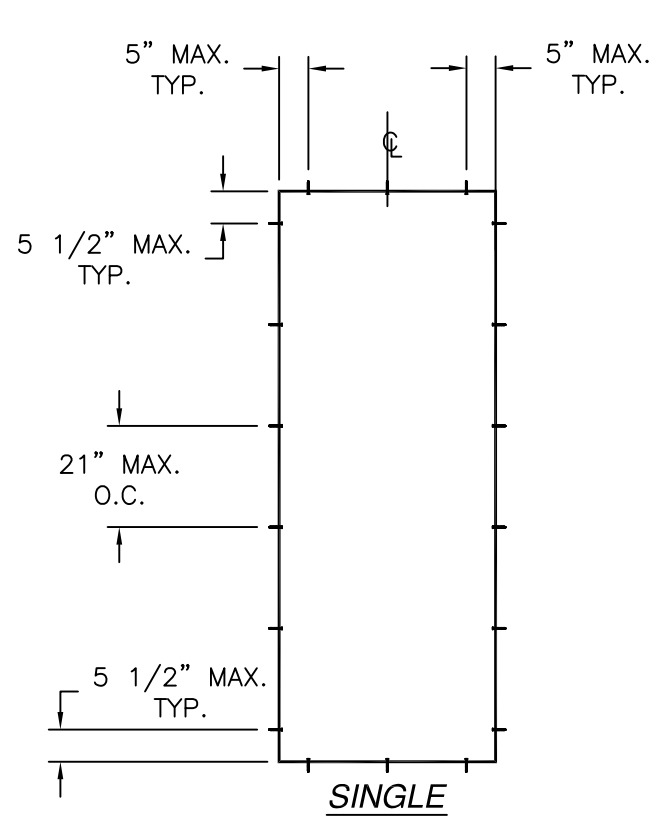
NOTE:
APPROVED CONFIGURATIONS MAY BE INSWING
OR OUTSWING RIGHT HAND ACTIVE OR LEFT
HAND ACTIVE.

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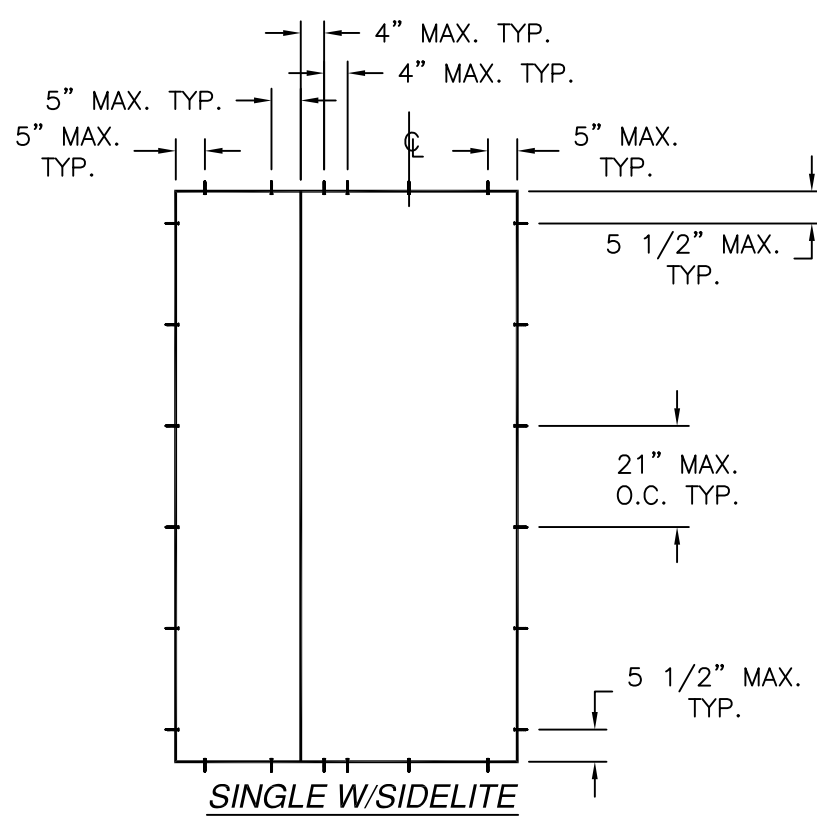
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DRAWN: TJH	DWG NO. 08-00904	REV E
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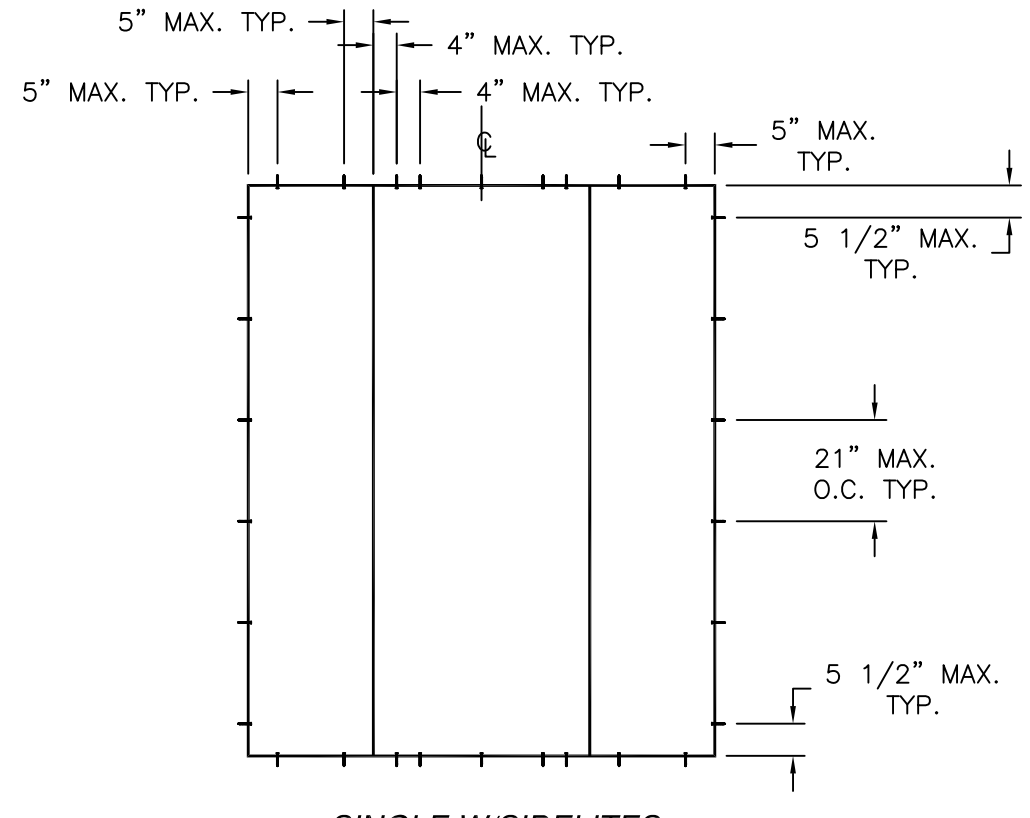
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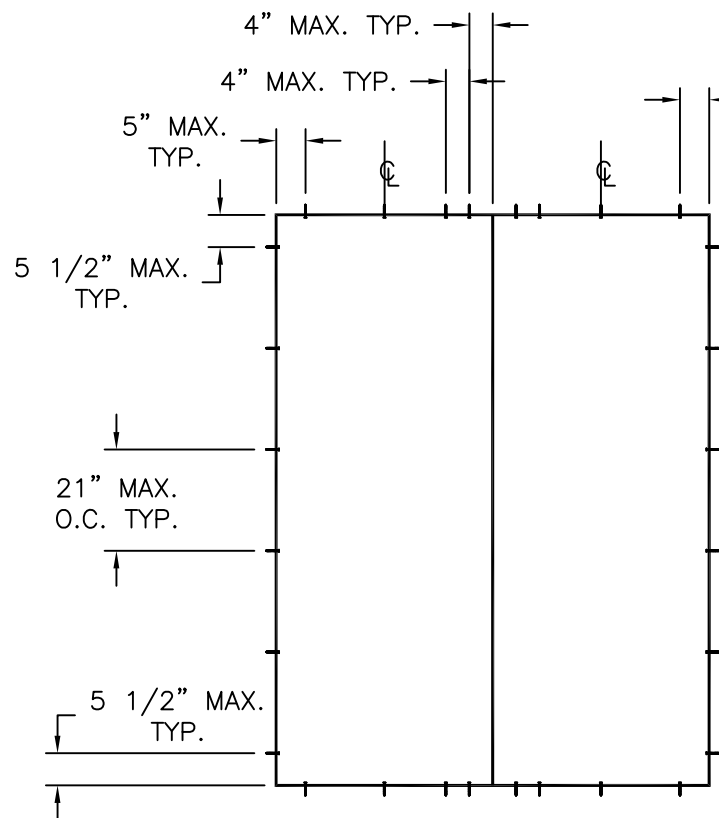
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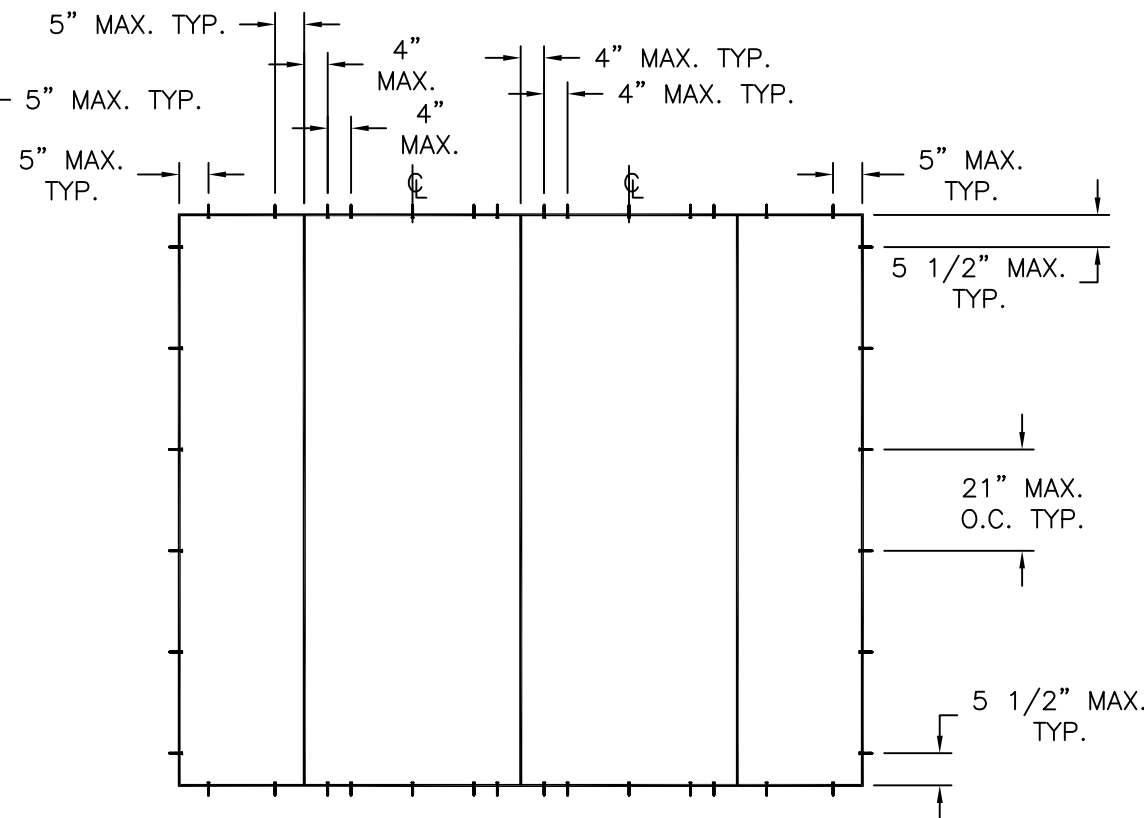
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SINGLE W/SIDELITES



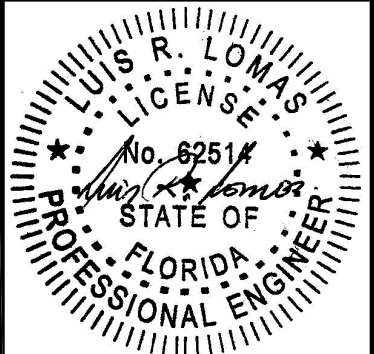
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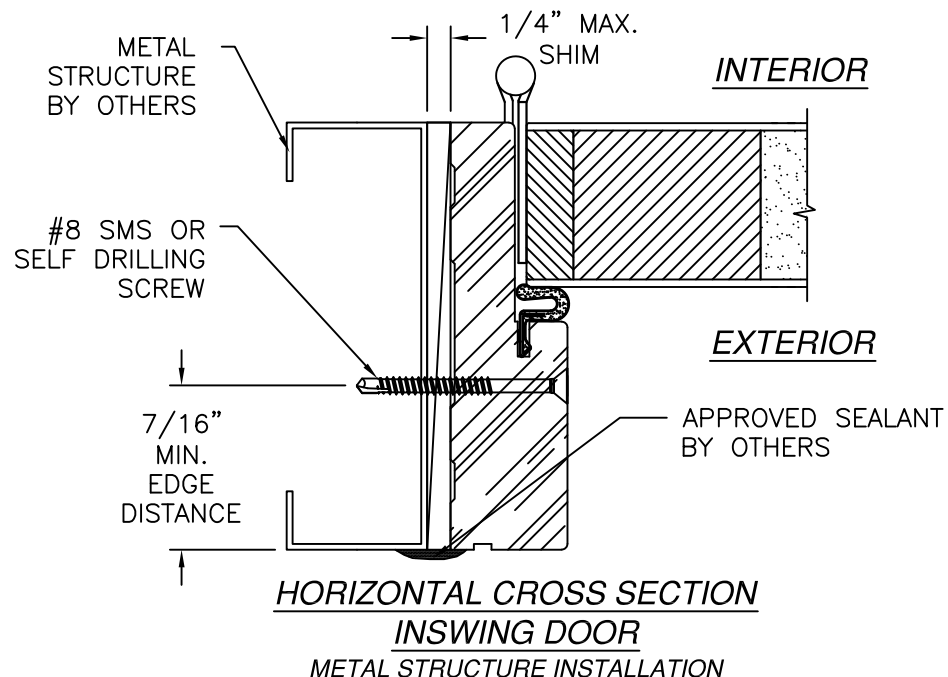
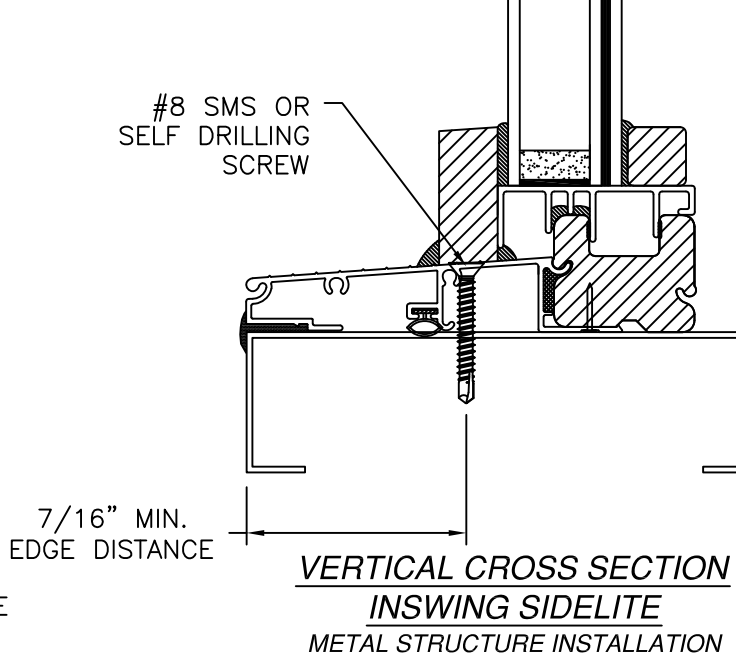
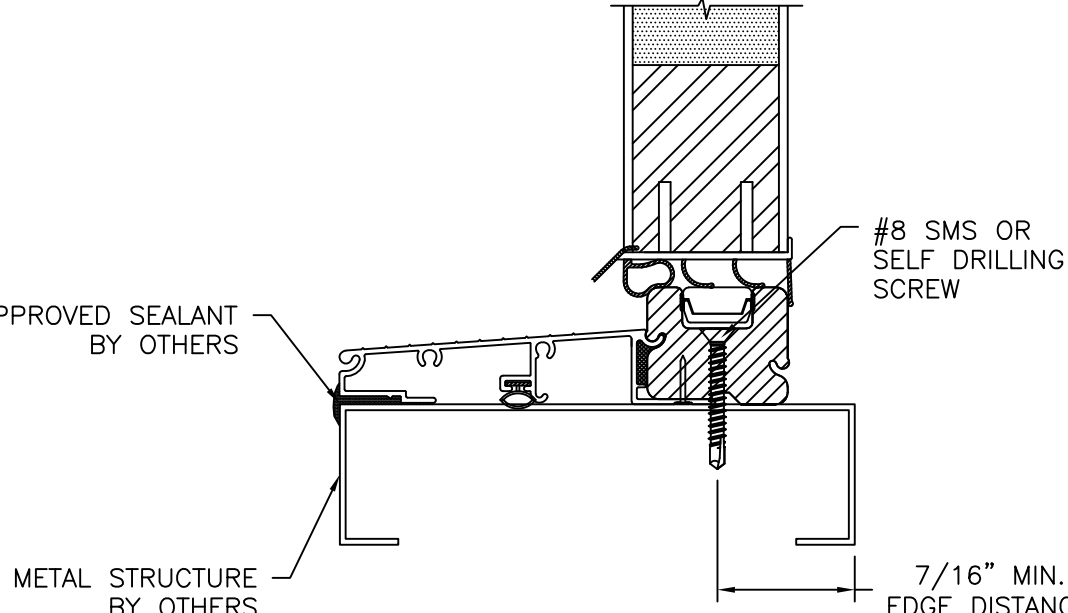
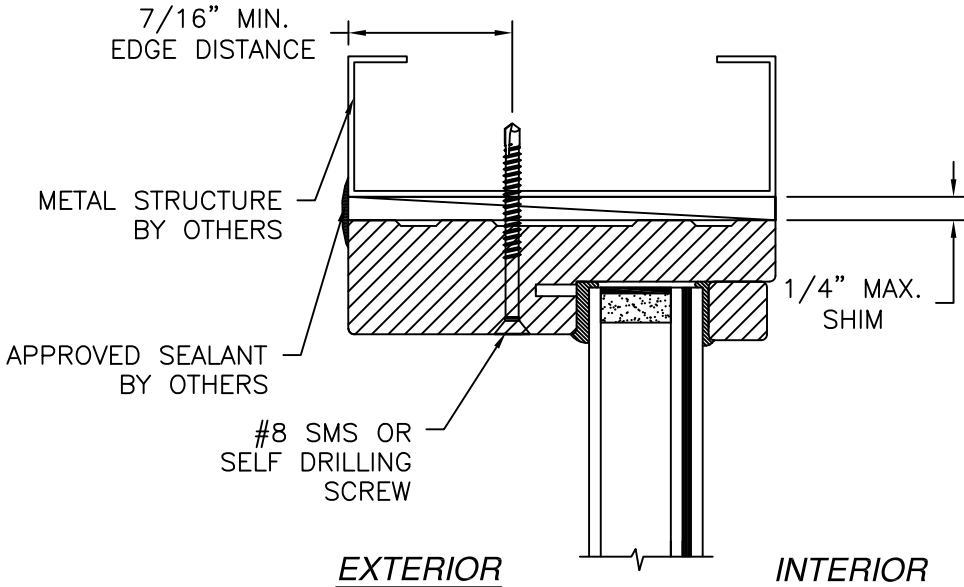
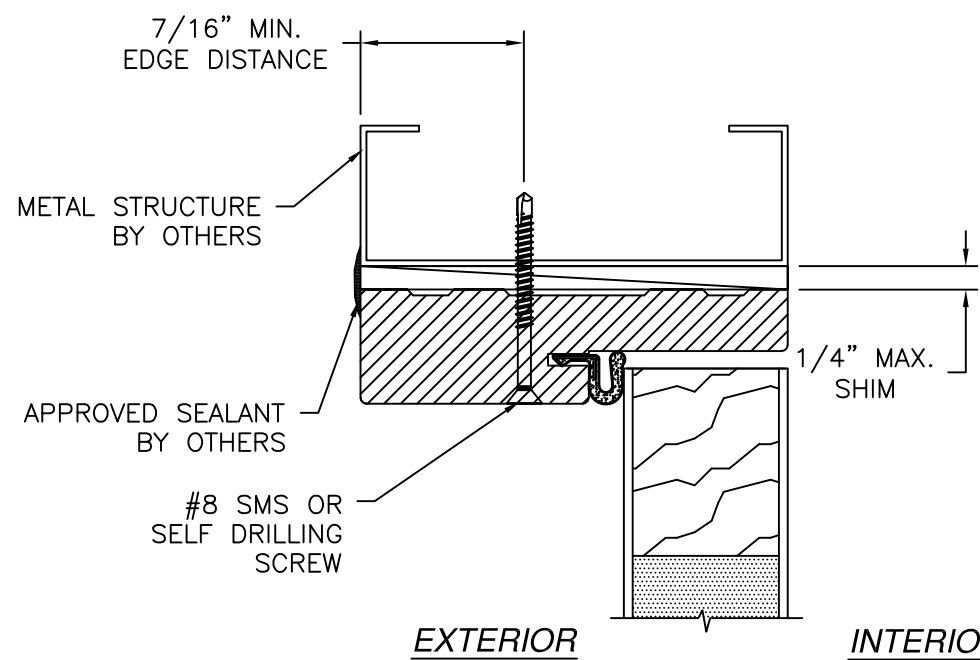
DOUBLE W/SIDELITES

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PREMIUM FIBERGLASS DOOR IS/OS W/ AND W/OUT SIDELITES ANCHORING LAYOUTS		
DRAWN: TJH	DWG NO. 08-00904	REV E
SCALE NTS	DATE 12/15/09	SHEET 5 OF 20
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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Luis R. Lomas P.E.
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**VERTICAL CROSS SECTION
INSWING DOOR**
METAL STRUCTURE INSTALLATION

**VERTICAL CROSS SECTION
INSWING SIDELITE**
METAL STRUCTURE INSTALLATION

**HORIZONTAL CROSS SECTION
INSWING DOOR**
METAL STRUCTURE INSTALLATION

**HORIZONTAL CROSS SECTION
INSWING SIDELITE**
METAL STRUCTURE INSTALLATION

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

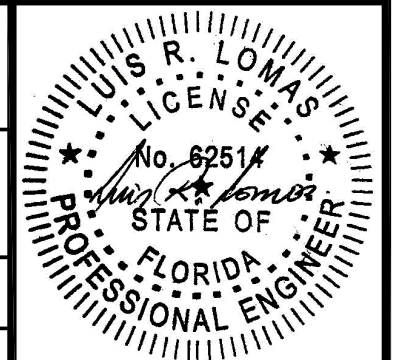
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INSWING INSTALLATION DETAILS

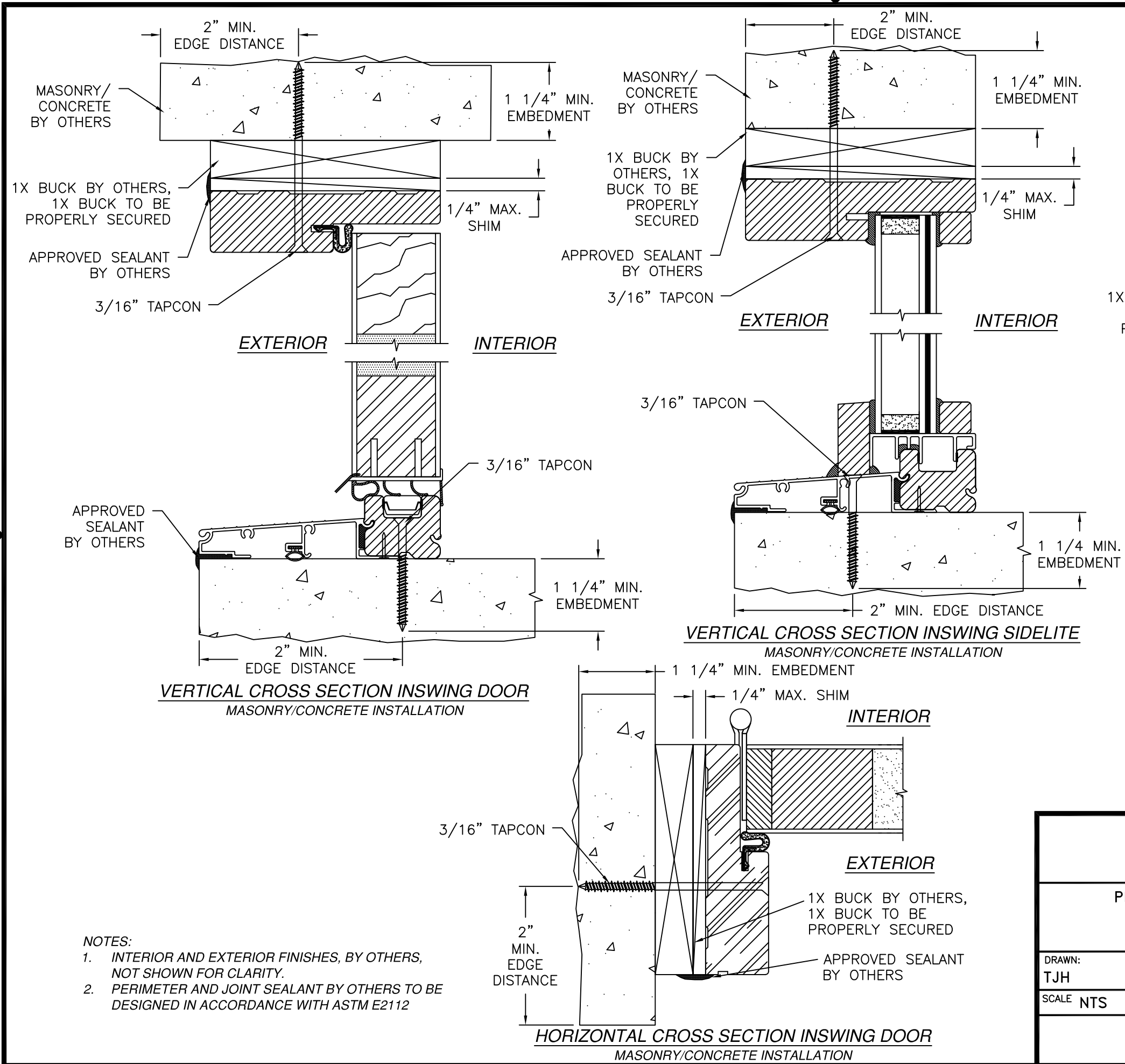
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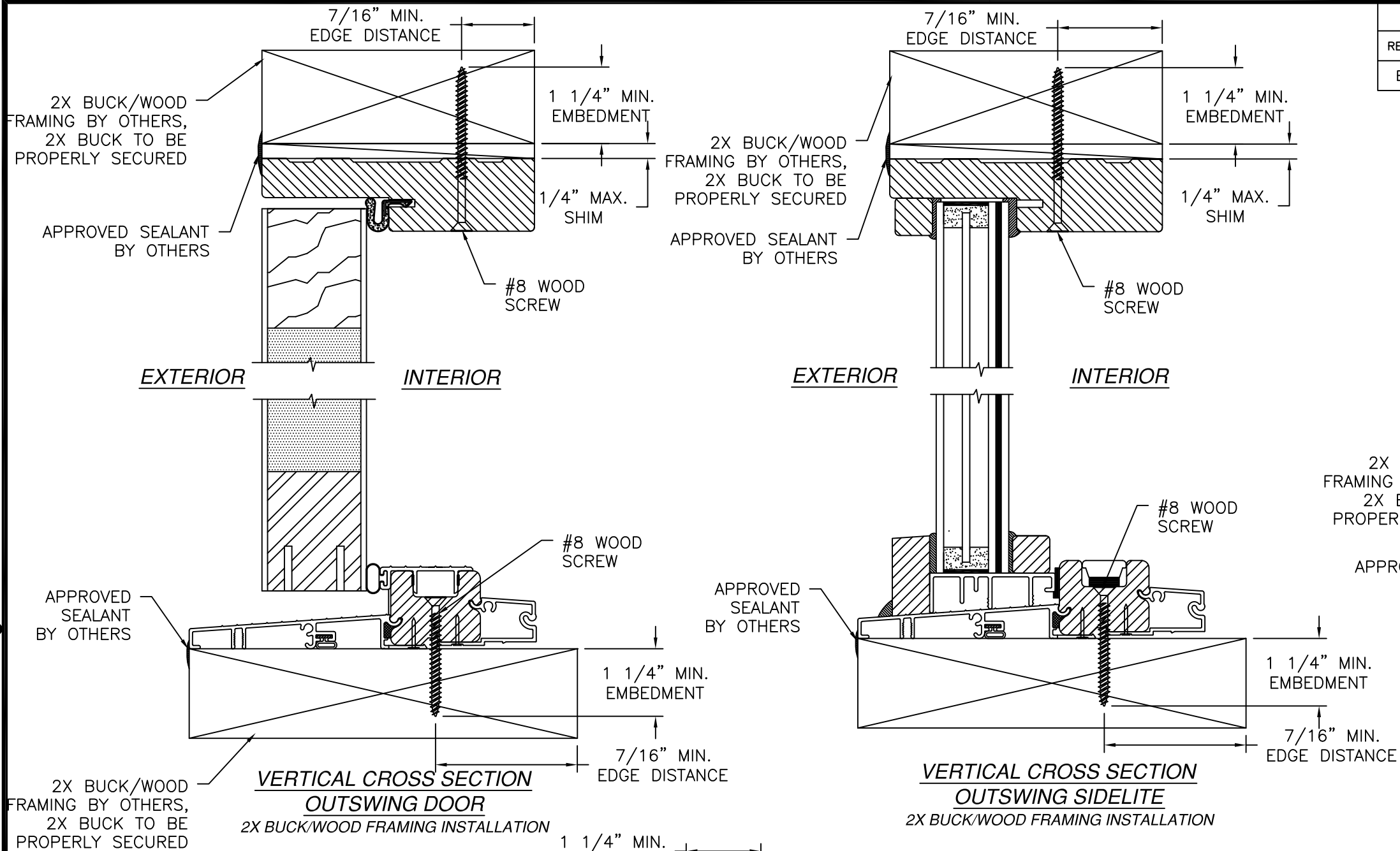
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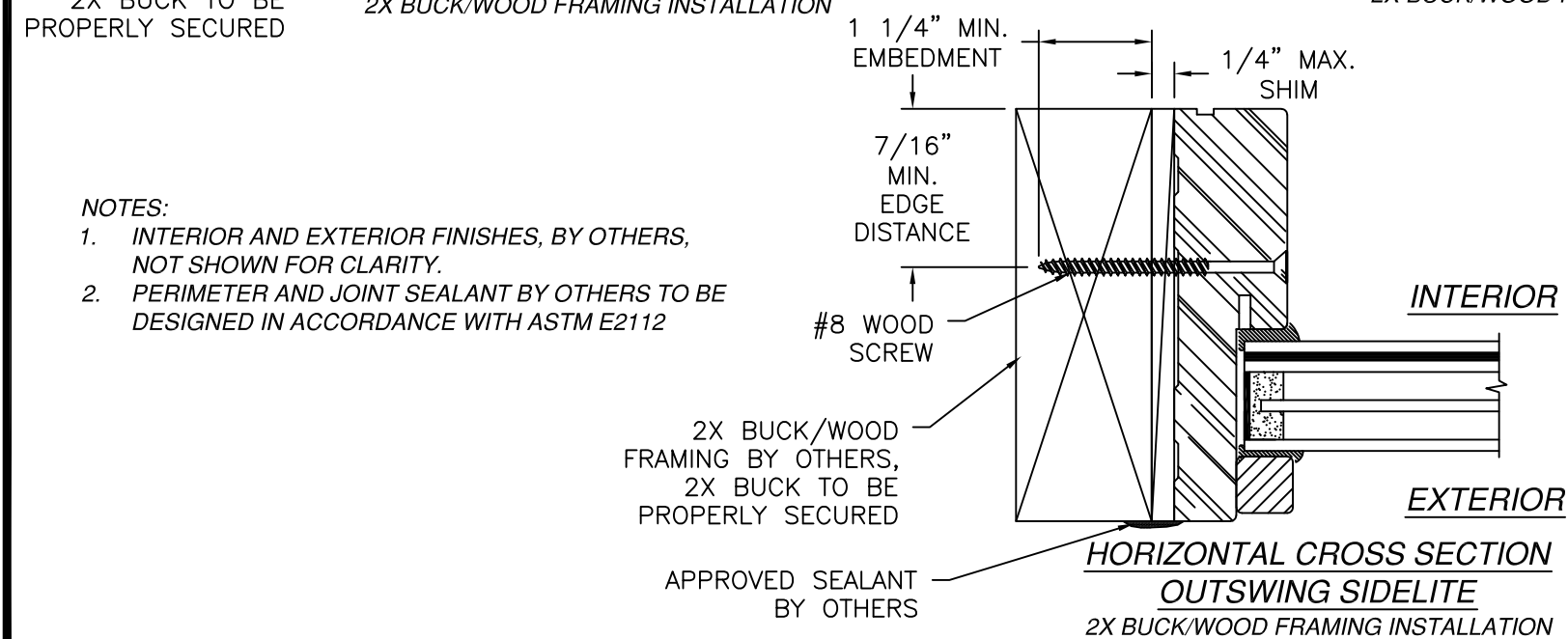
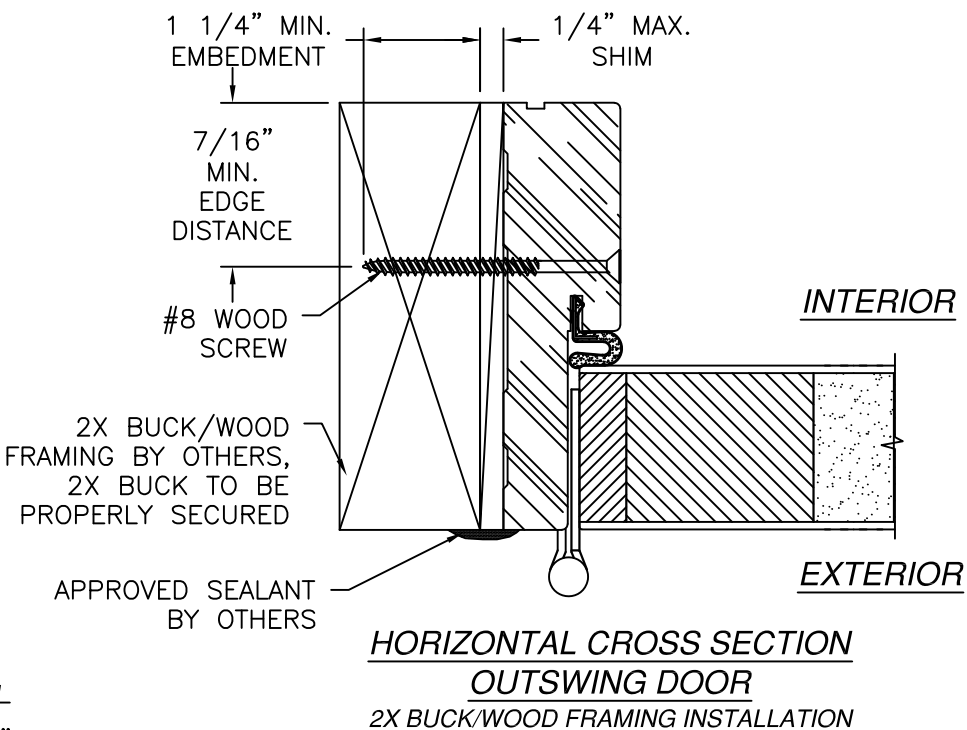
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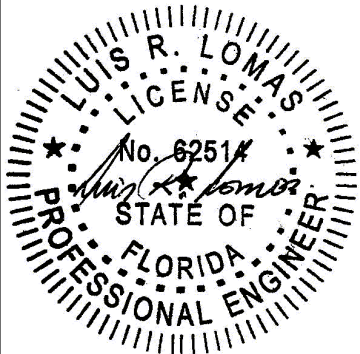
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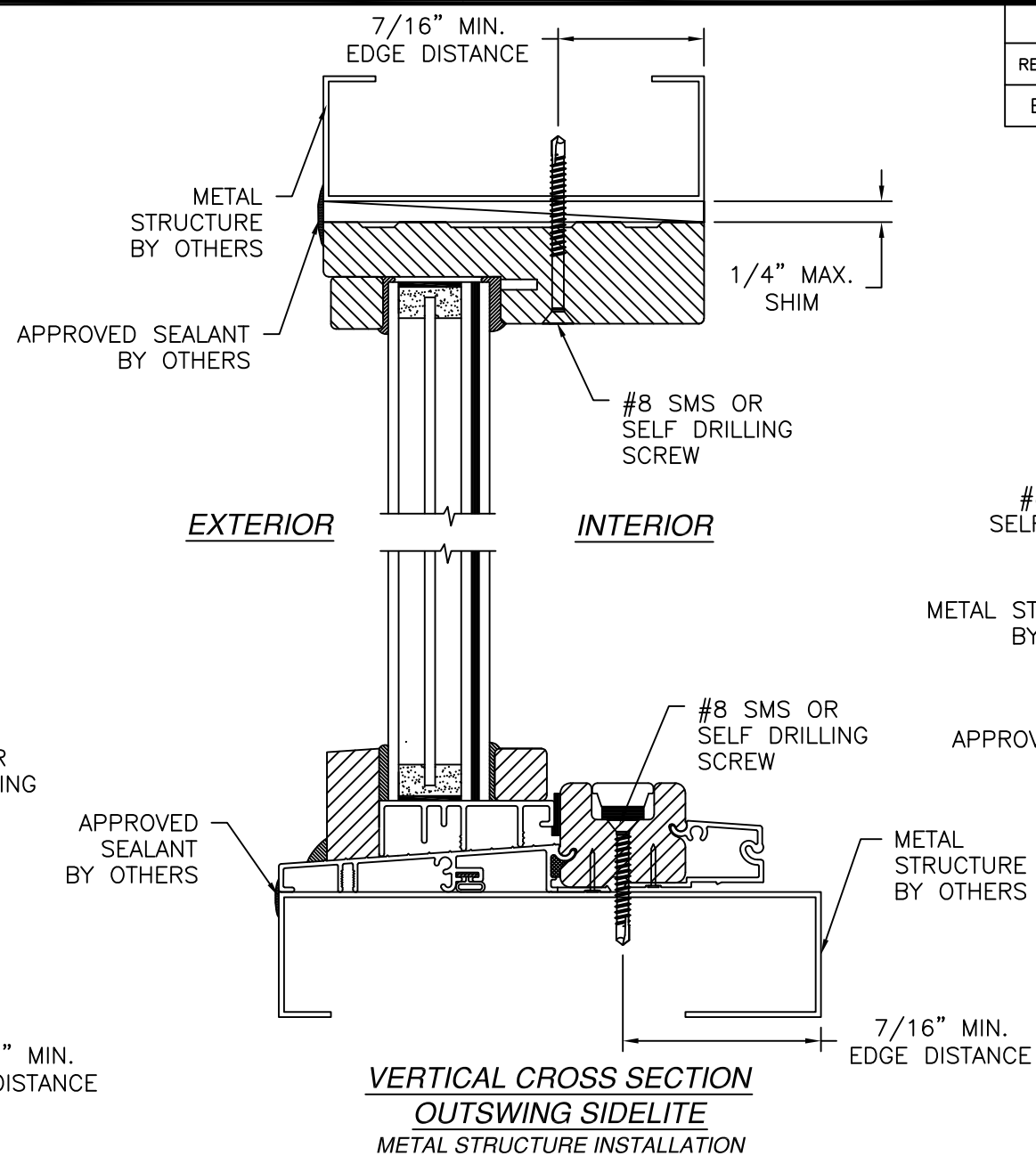
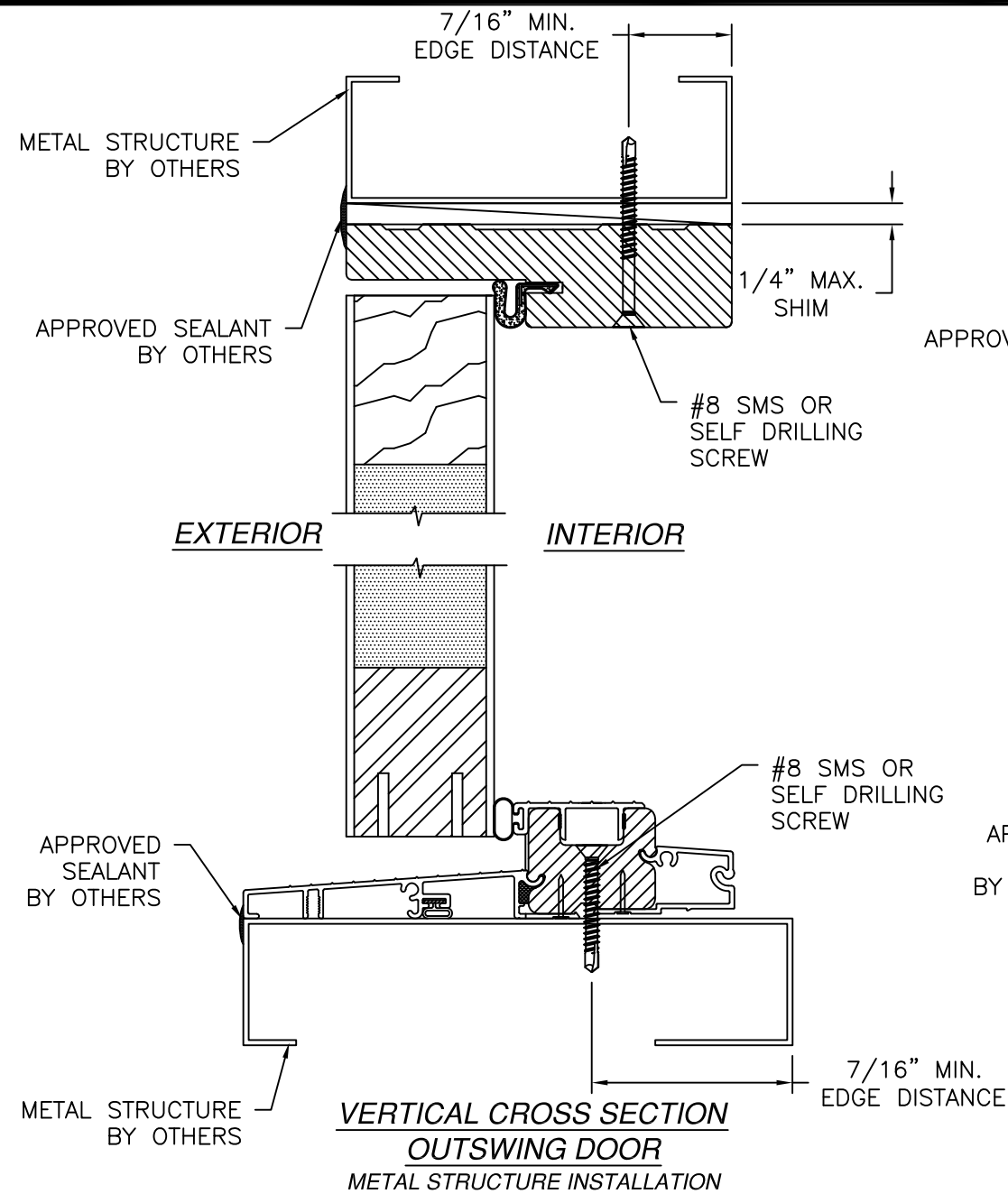
SHEET 9 OF 20

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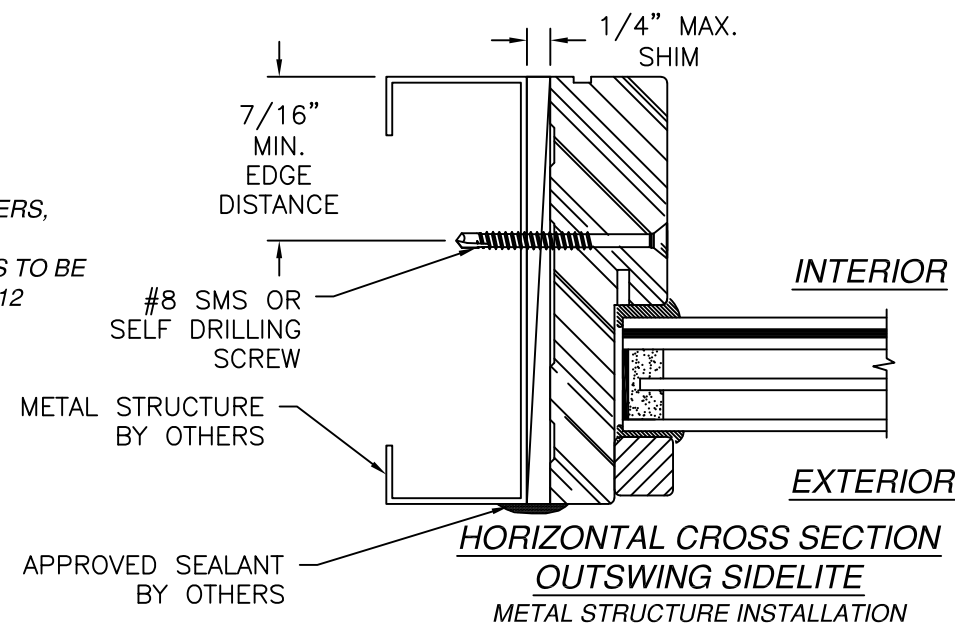
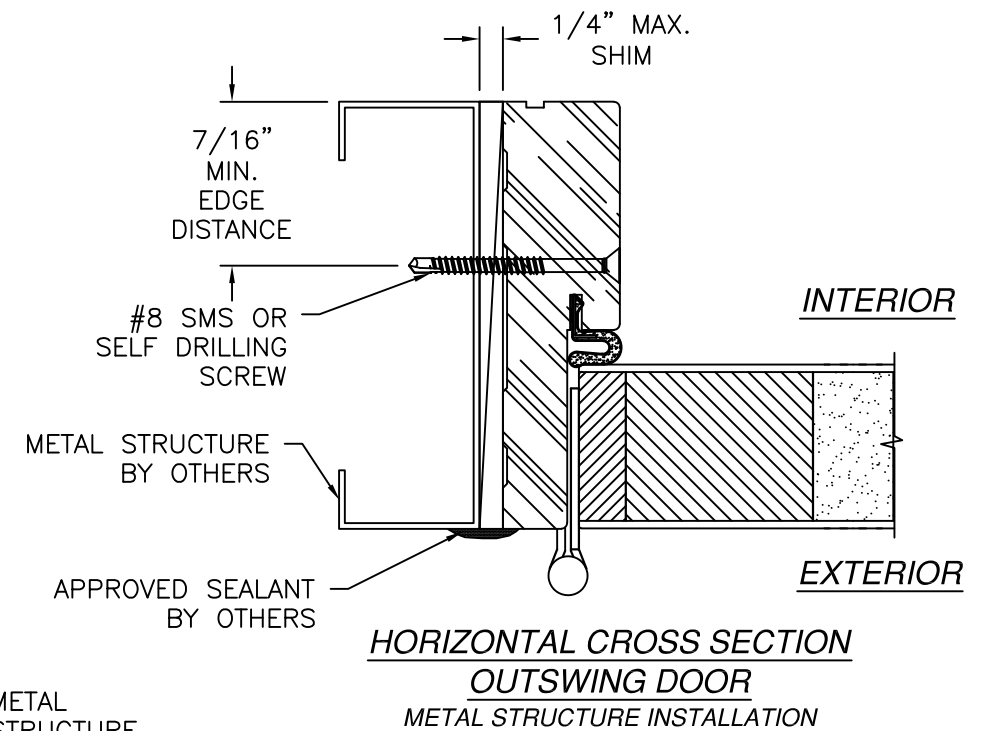
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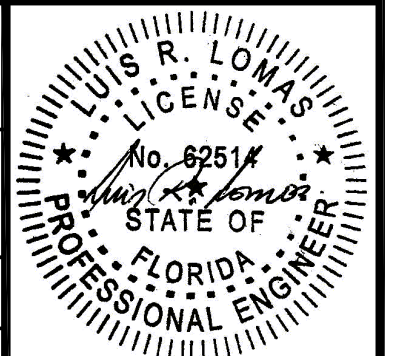
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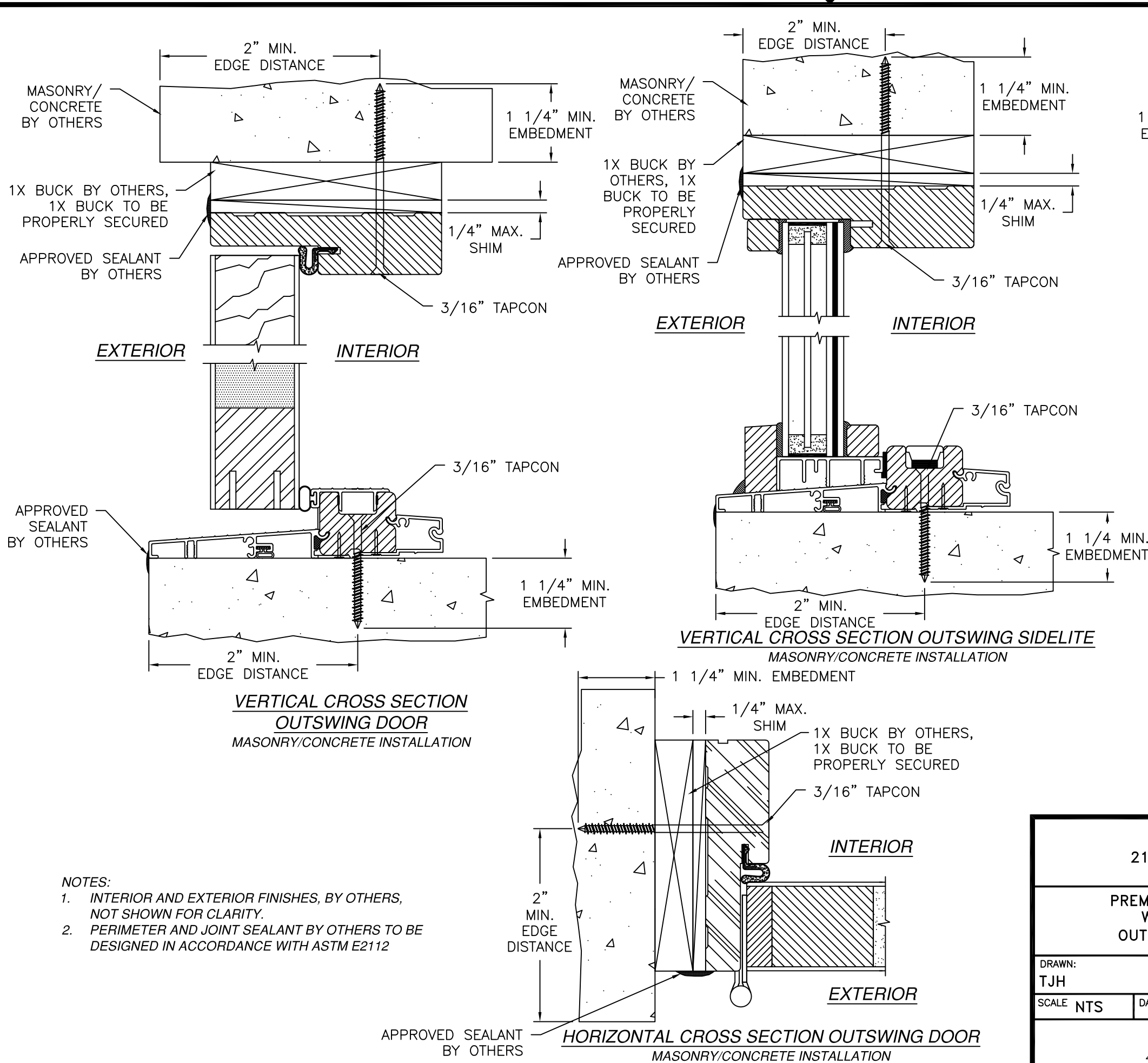
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DRAWN: TJH	DWG NO. 08-00904	REV E
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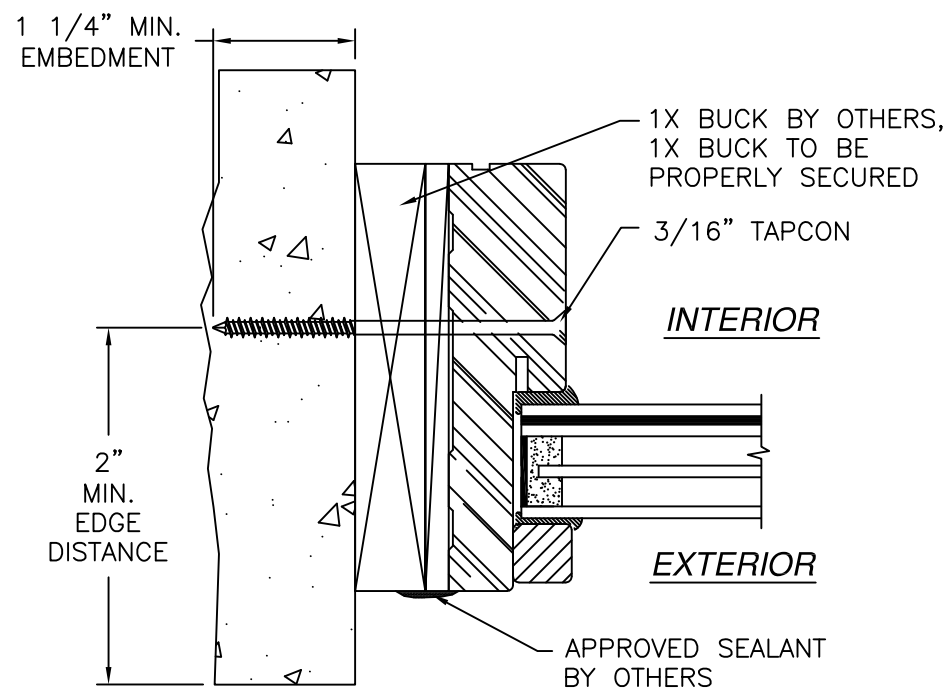
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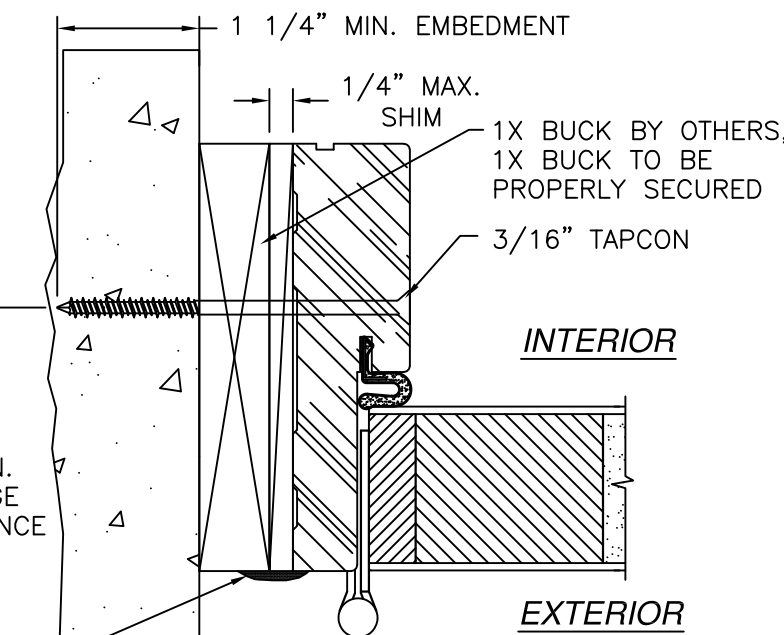
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HORIZONTAL CROSS SECTION OUTSWING SIDELITE
MASONRY/CONCRETE INSTALLATION

VERTICAL CROSS SECTION OUTSWING SIDELITE
MASONRY/CONCRETE INSTALLATION

VERTICAL CROSS SECTION OUTSWING DOOR
MASONRY/CONCRETE INSTALLATION



HORIZONTAL CROSS SECTION OUTSWING DOOR
MASONRY/CONCRETE INSTALLATION

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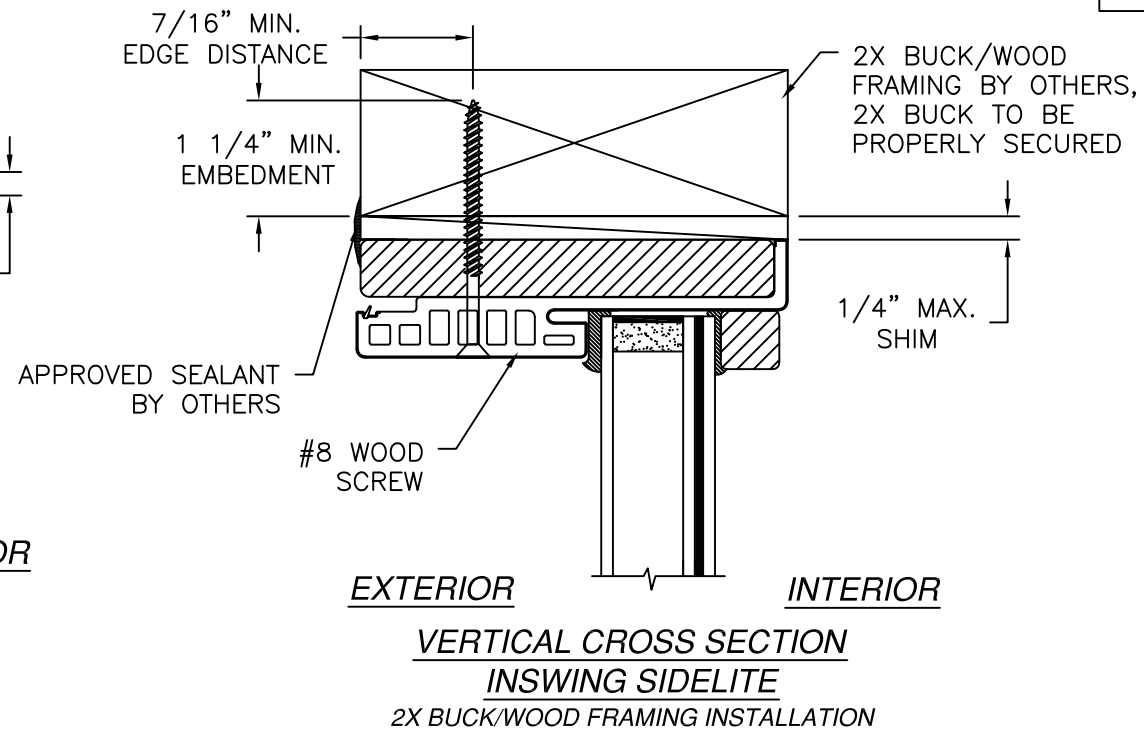
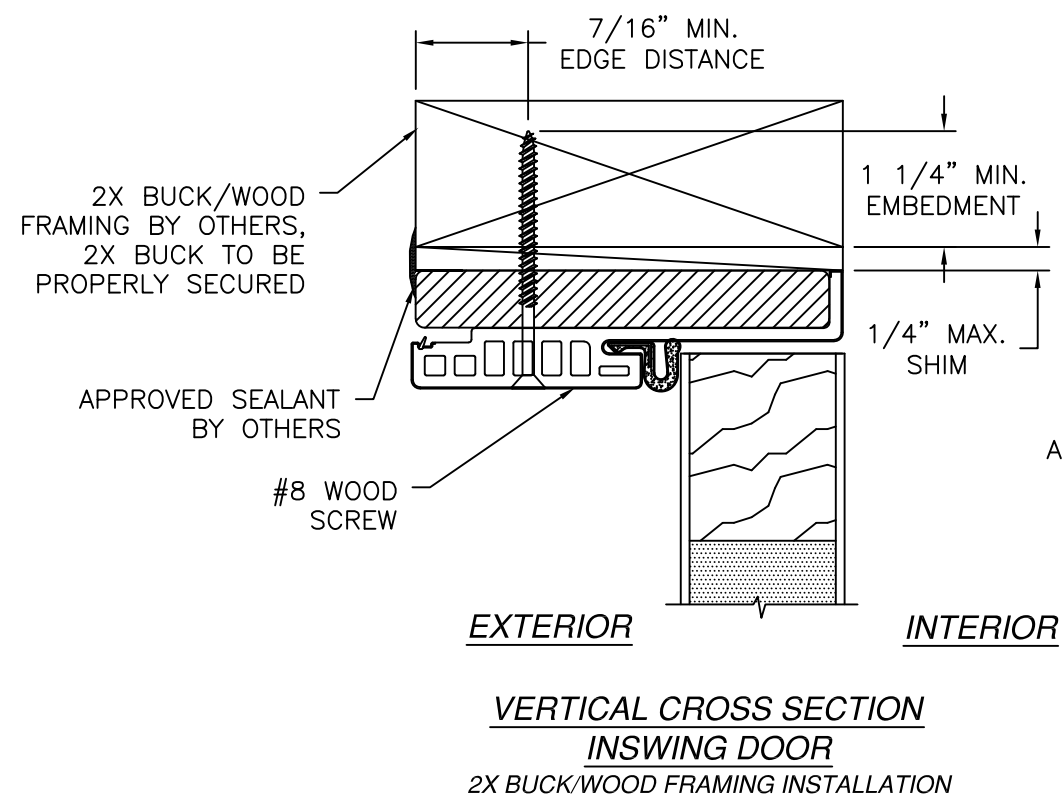
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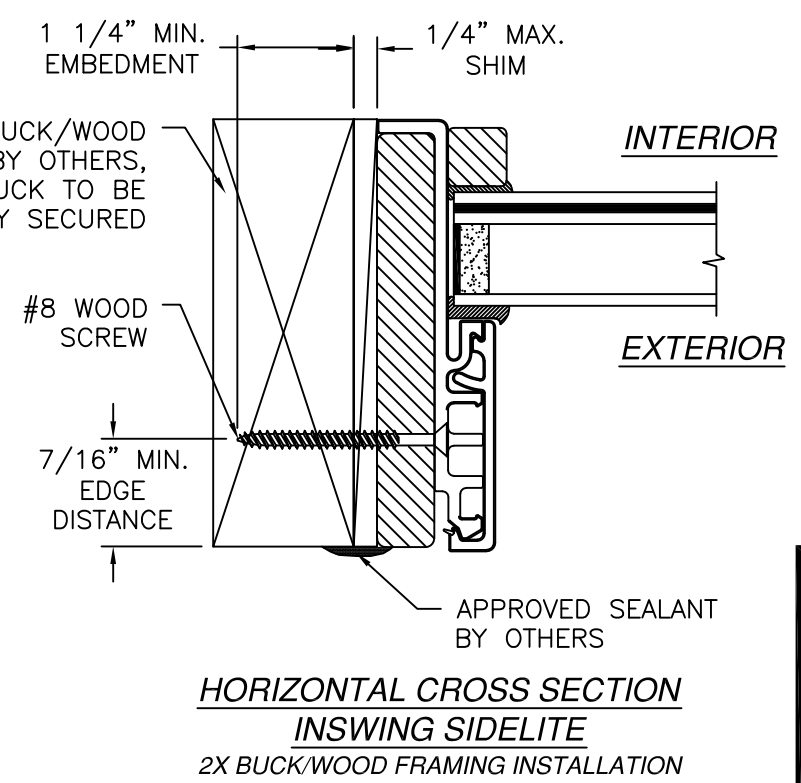
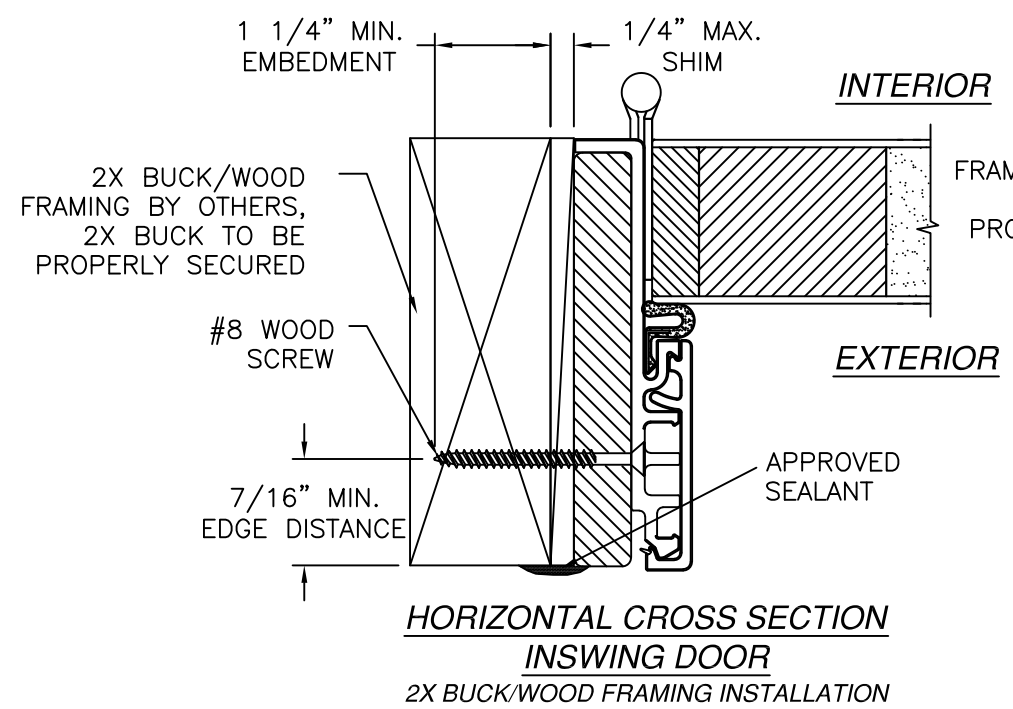
LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

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



- 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



PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

PREMIUM FIBERGLASS DOOR IS/OS
W/ AND W/OUT SIDELITES

INSWING INSTALLATION DETAILS W/FUSION FRAME

DRAWN: TJH

DWG NO. 08-00904

REV E

SCALE NTS

DATE 12/15/09

SHEET 12 OF 20

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/28/2026

LUIS R. LOMAS

LICENS. M.E.

No. 62514

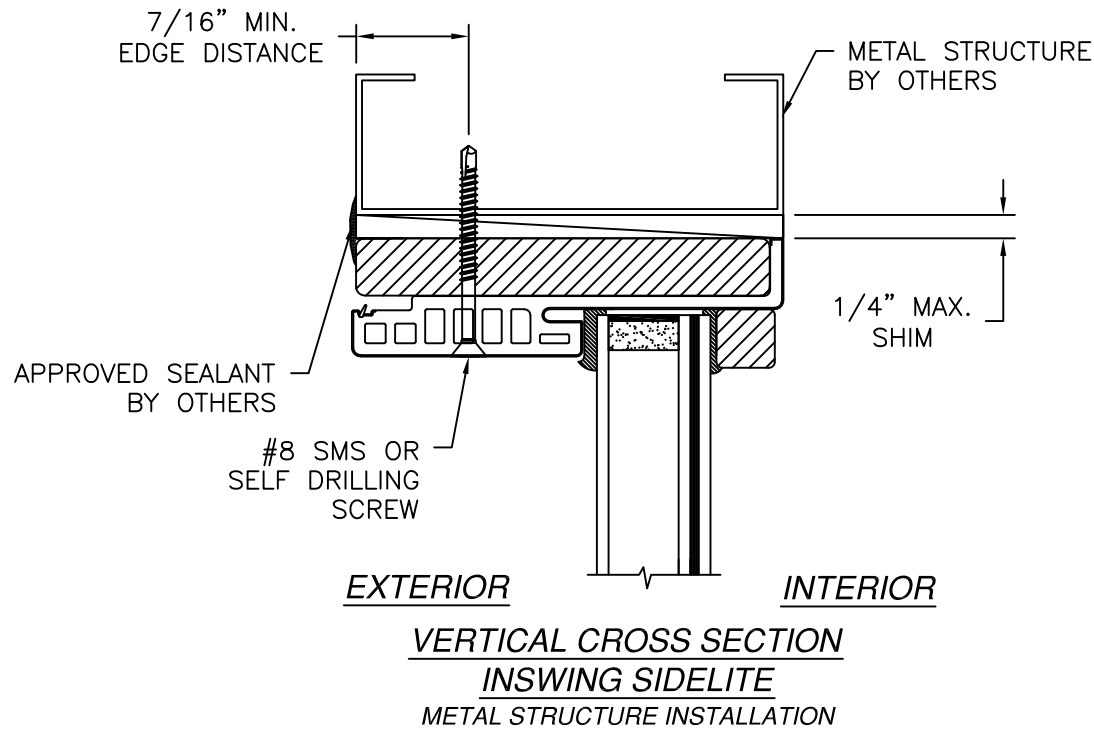
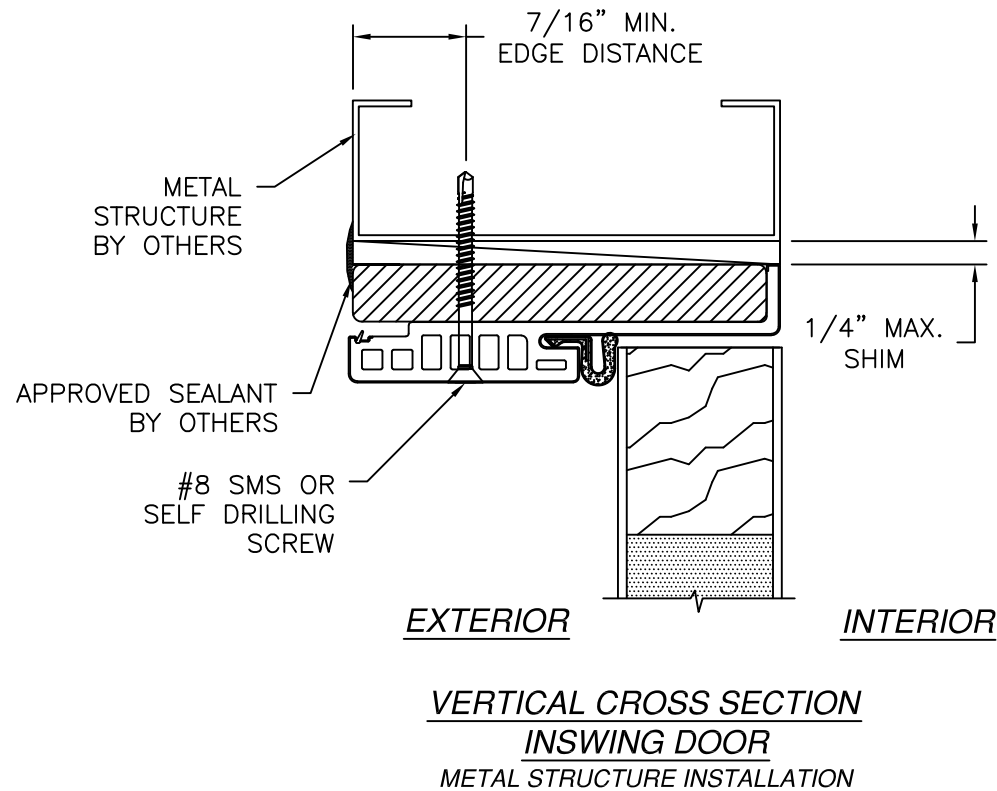
STATE OF FLORIDA

PROFESSIONAL ENGINEER

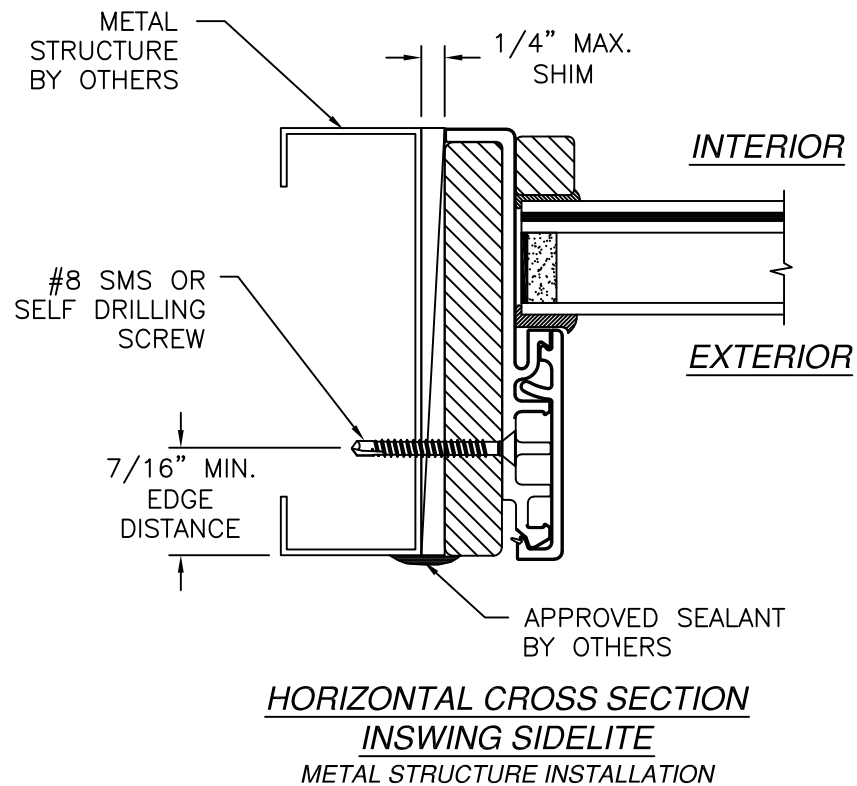
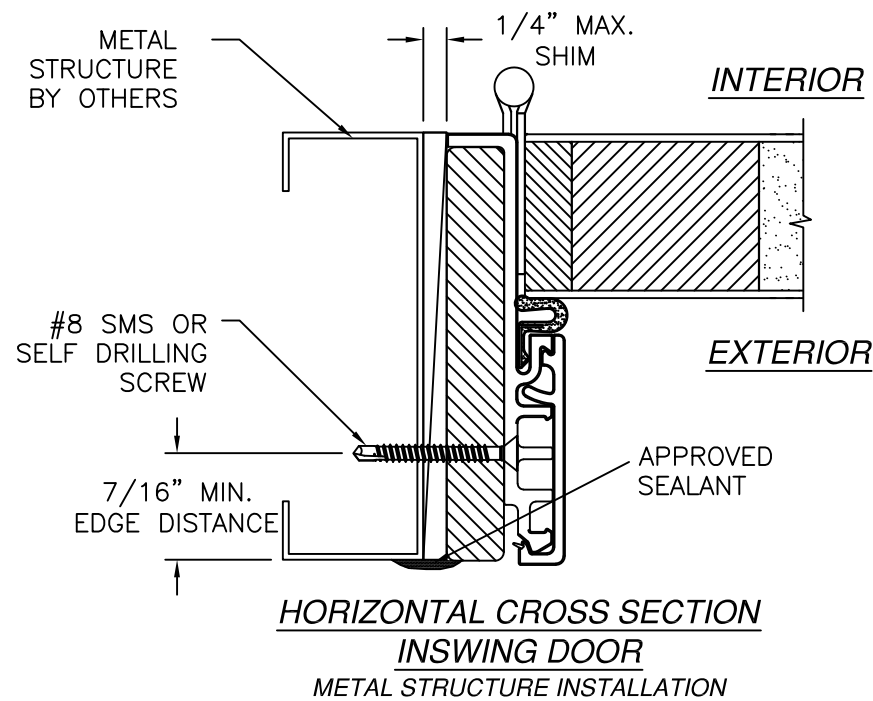
Luis R. Lomas P.E.

FL No.: 62514

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E	REVISED TO ADD CORROSION CHART	09/28/26	R.L.

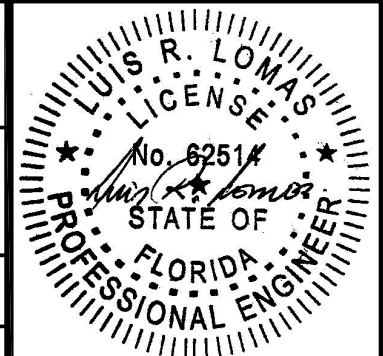


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- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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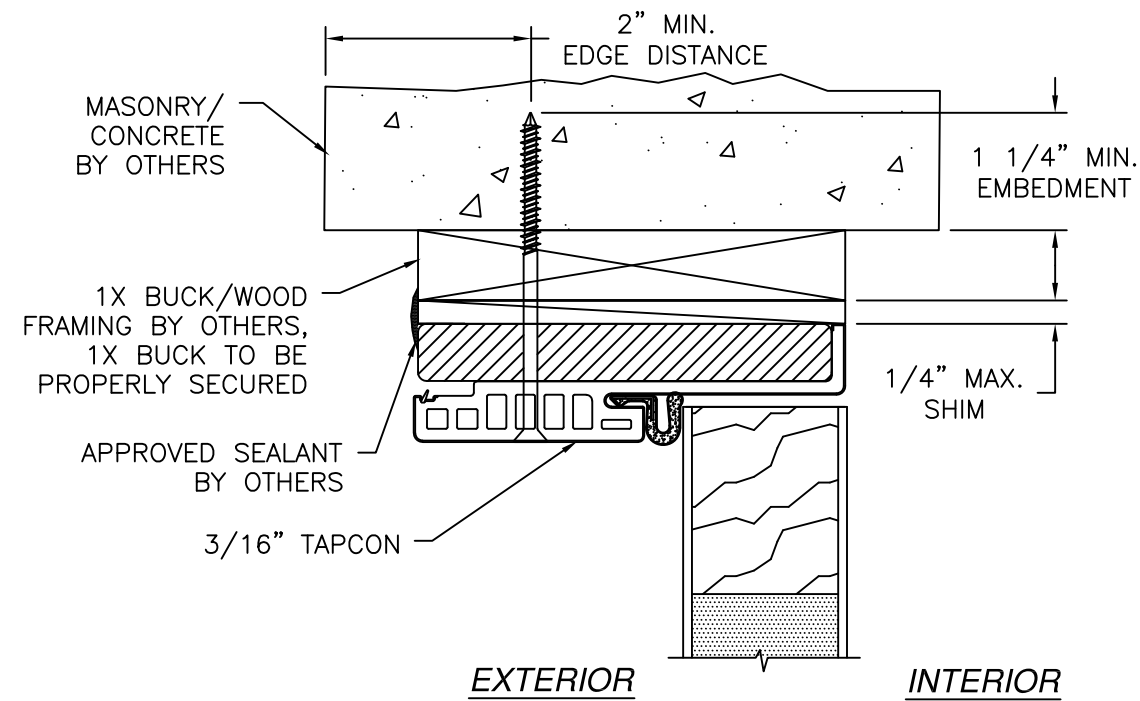


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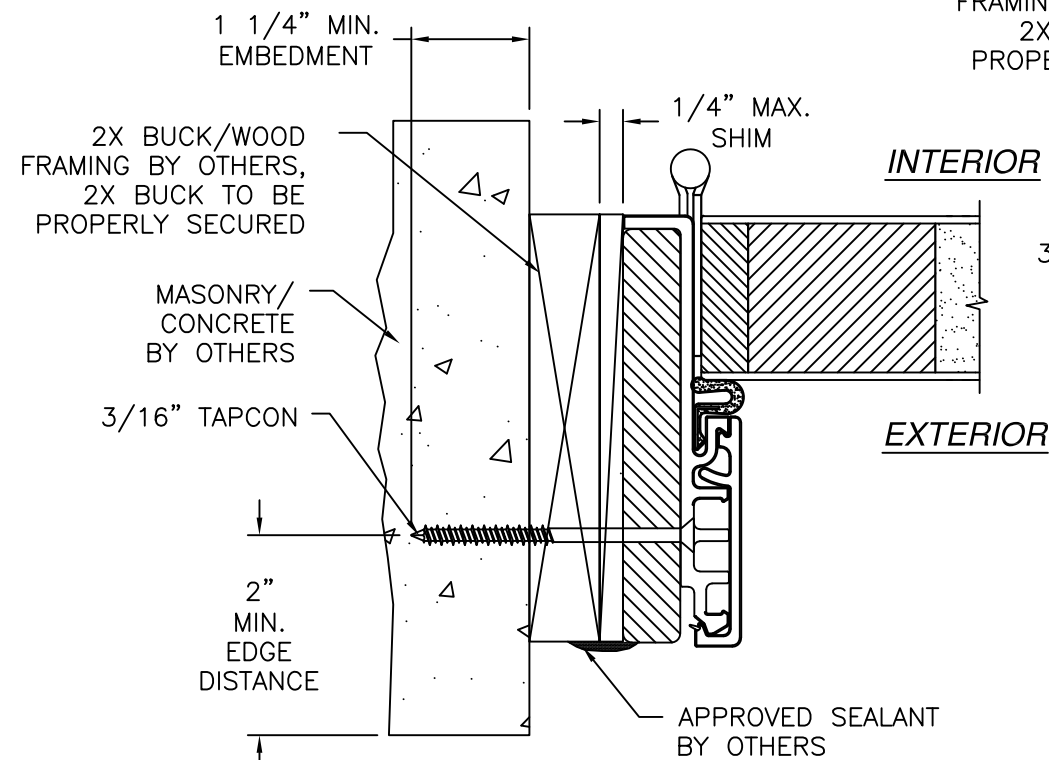
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PREMIUM FIBERGLASS DOOR IS/OS W/ AND W/OUT SIDELITES INSWING INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: TJH	DWG NO. 08-00904	REV E
SCALE NTS	DATE 12/15/09	SHEET 13 OF 20
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



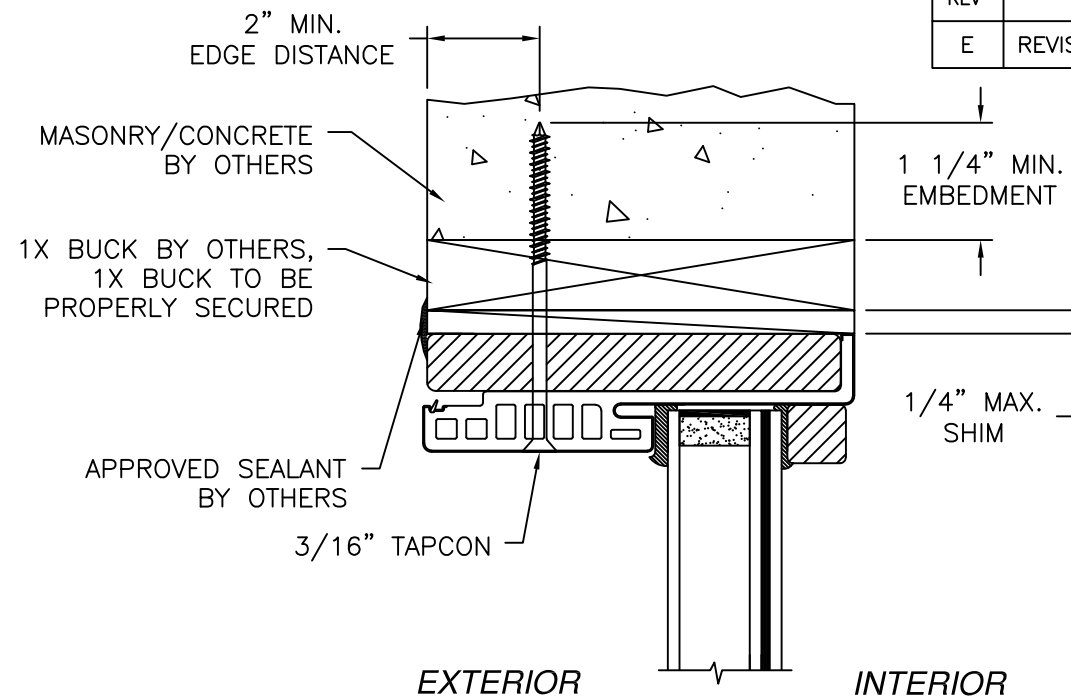
Luis R. Lomas P.E.
FL No.: 62514



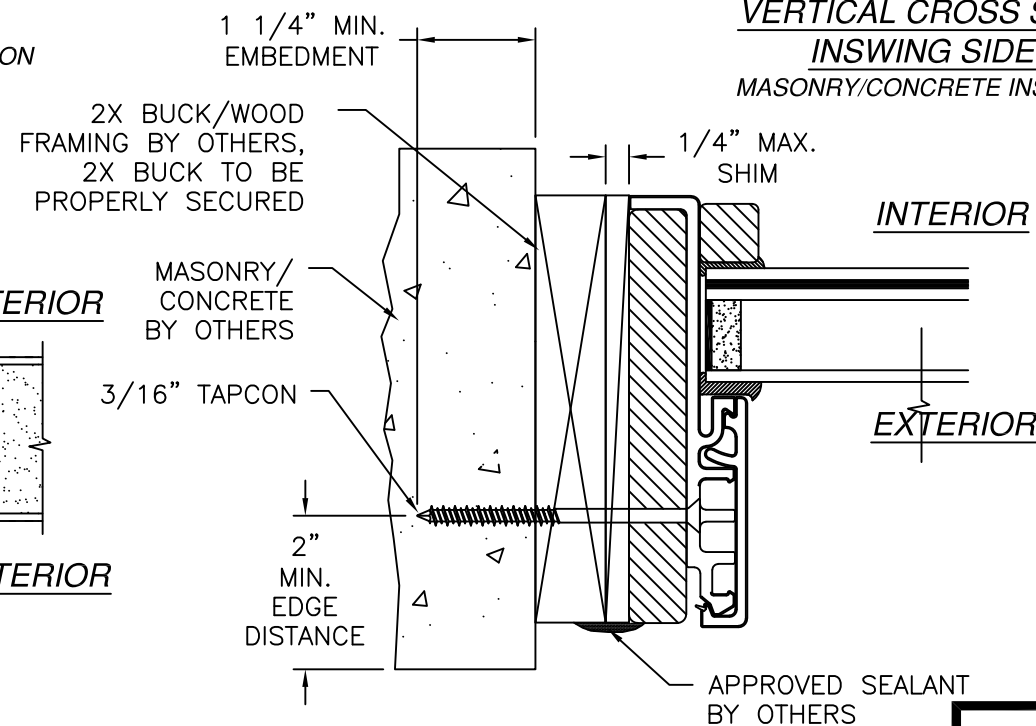
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INSWING DOOR
MASONRY/CONCRETE INSTALLATION**



**HORIZONTAL CROSS SECTION
INSWING DOOR
MASONRY/CONCRETE INSTALLATION**



**VERTICAL CROSS SECTION
INSWING SIDELITE
MASONRY/CONCRETE INSTALLATION**



**HORIZONTAL CROSS SECTION
INSWING SIDELITE
METAL STRUCTURE INSTALLATION**

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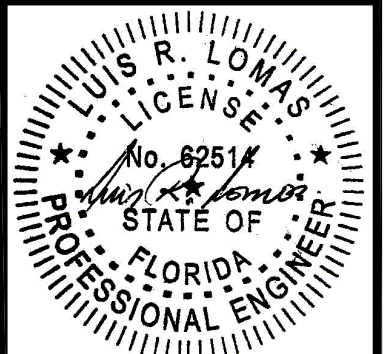
PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

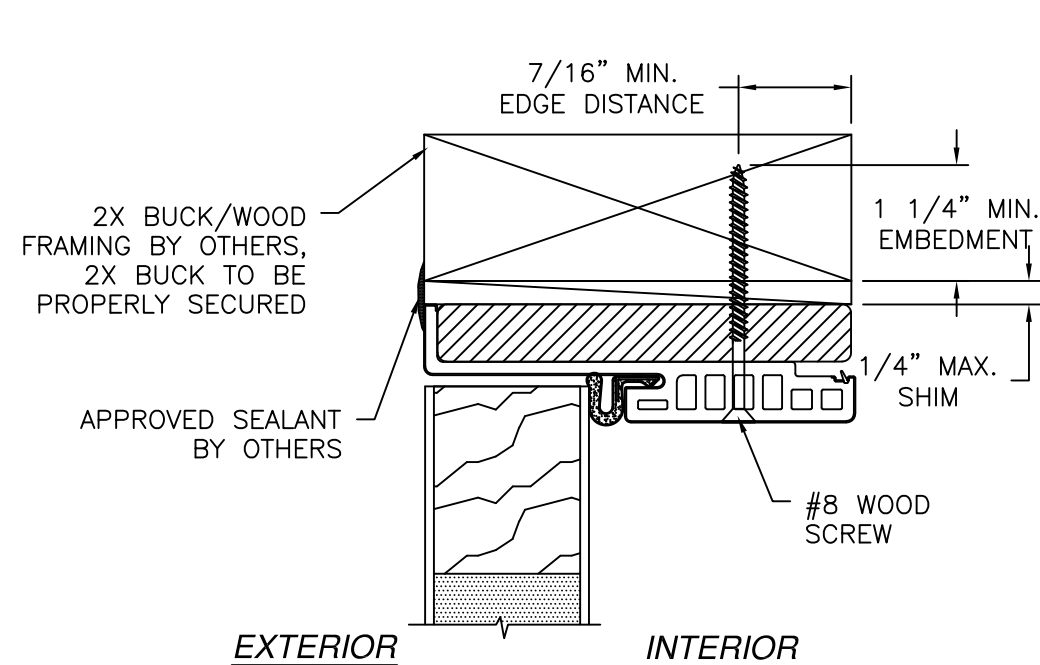
**PREMIUM FIBERGLASS DOOR IS/OS
W/ AND W/OUT SIDELITES
INSWING INSTALLATION DETAILS W/FUSION FRAME**

DRAWN: TJH	DWG NO. 08-00904	REV E
SCALE NTS	DATE 12/15/09	SHEET 14 OF 20

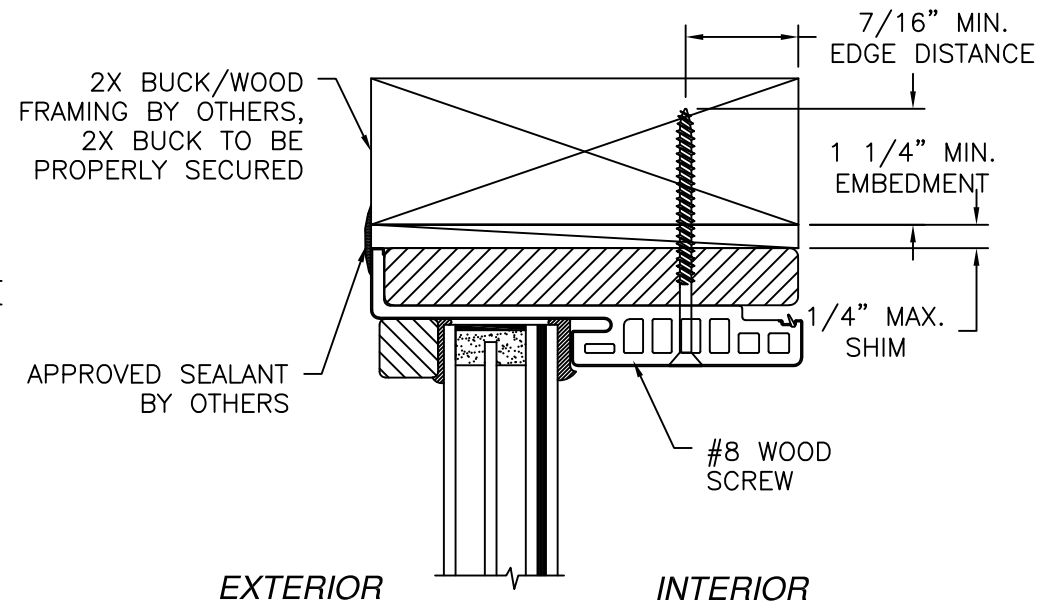
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



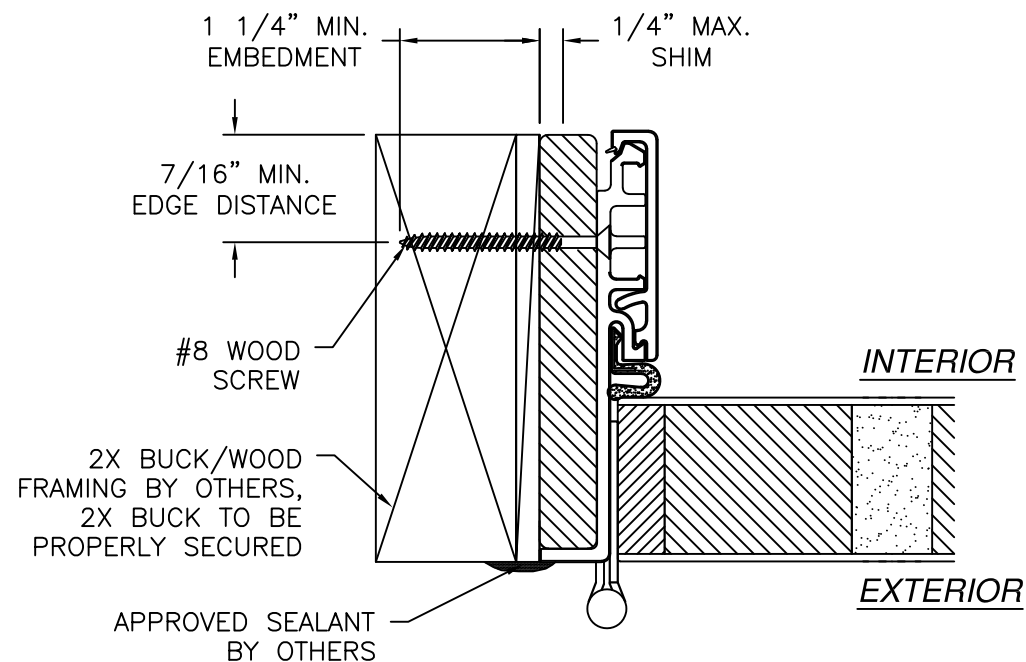
Luis R. Lomas P.E.
FL No.: 62514



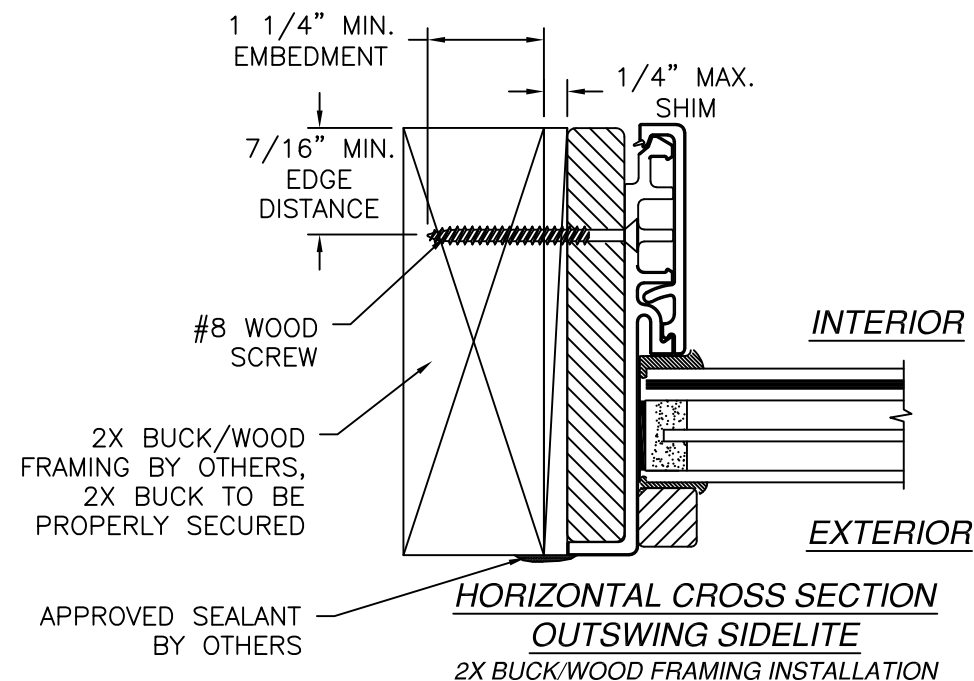
**VERTICAL CROSS SECTION
OUTSWING DOOR**
2X BUCK/WOOD FRAMING INSTALLATION



**VERTICAL CROSS SECTION
OUTSWING SIDELITE**
2X BUCK/WOOD FRAMING INSTALLATION



**HORIZONTAL CROSS SECTION
OUTSWING DOOR**
2X BUCK/WOOD FRAMING INSTALLATION



**HORIZONTAL CROSS SECTION
OUTSWING SIDELITE**
2X BUCK/WOOD FRAMING INSTALLATION

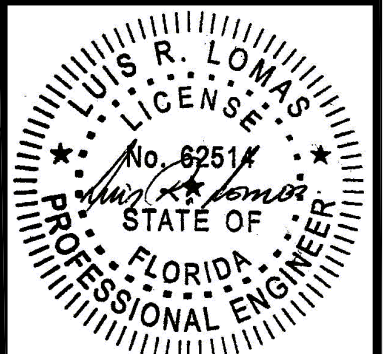
NOTES:

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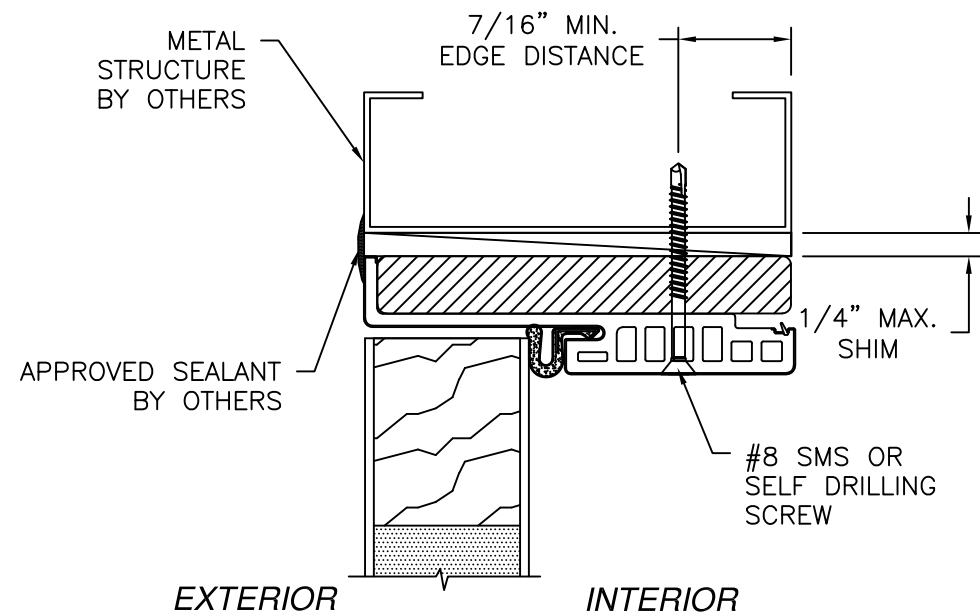
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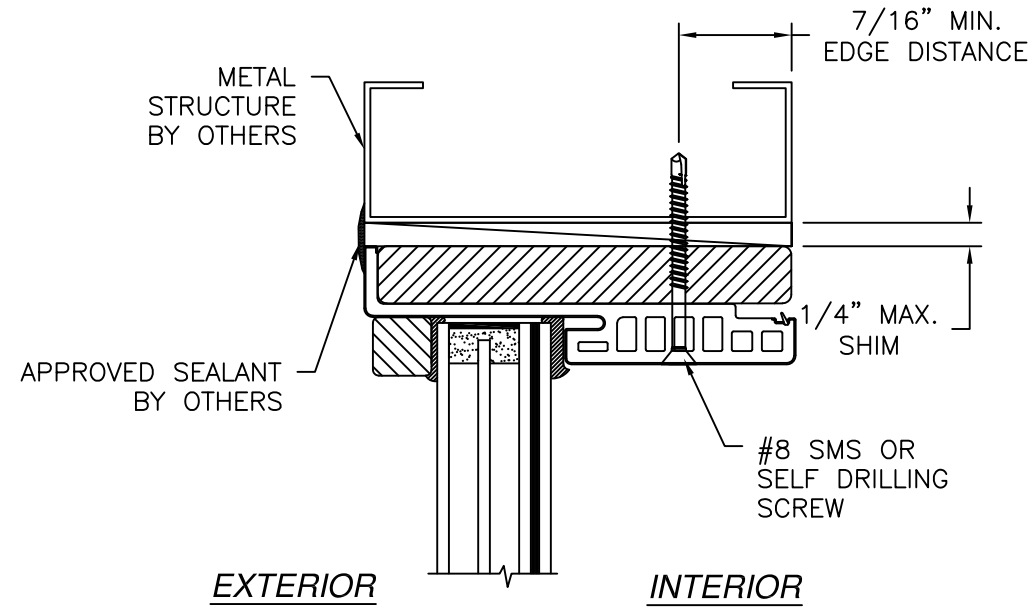
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
PREMIUM FIBERGLASS DOOR IS/OS W/ AND W/OUT SIDELITES OUTSWING INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: TJH	DWG NO. 08-00904	REV E
SCALE NTS	DATE 12/15/09	SHEET 15 OF 20
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



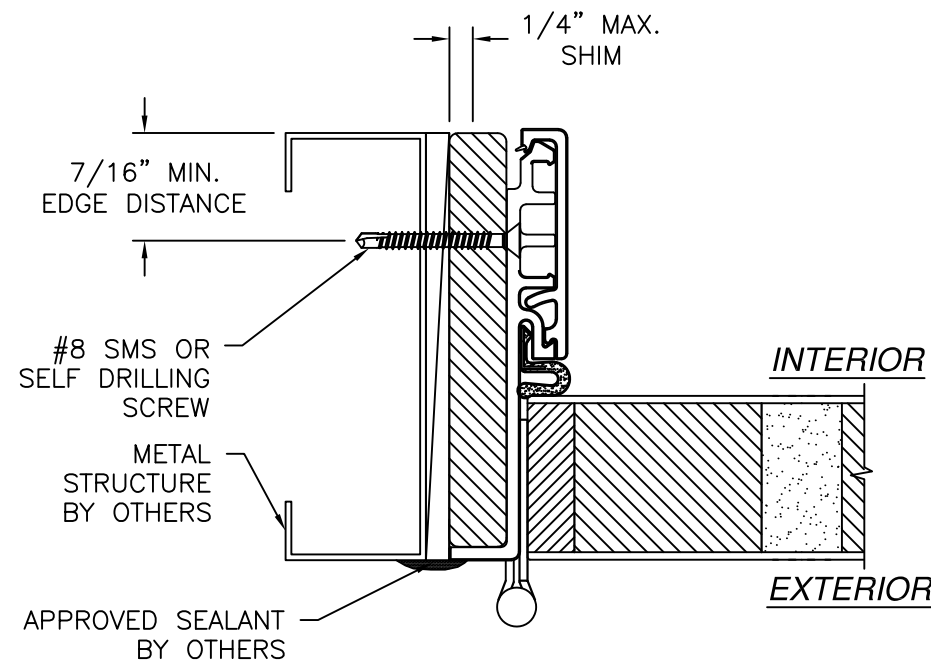
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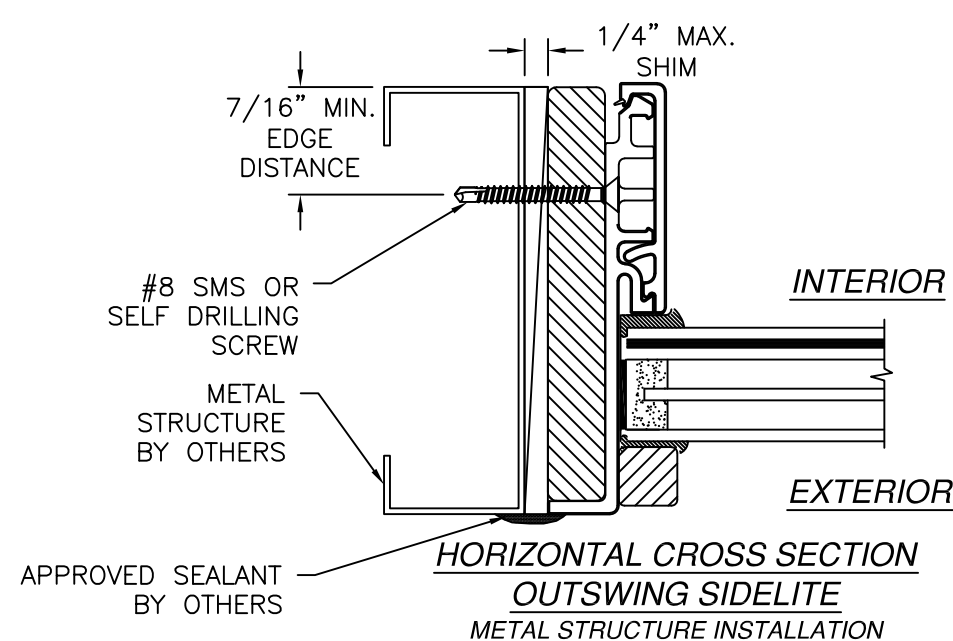
**VERTICAL CROSS SECTION
OUTSWING DOOR
METAL STRUCTURE INSTALLATION**



**VERTICAL CROSS SECTION
OUTSWING SIDELITE
METAL STRUCTURE INSTALLATION**



**HORIZONTAL CROSS SECTION
OUTSWING DOOR
METAL STRUCTURE INSTALLATION**



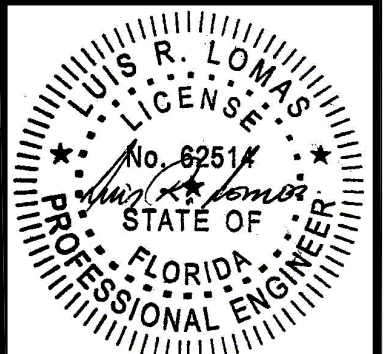
**HORIZONTAL CROSS SECTION
OUTSWING SIDELITE
METAL STRUCTURE INSTALLATION**

- NOTES:
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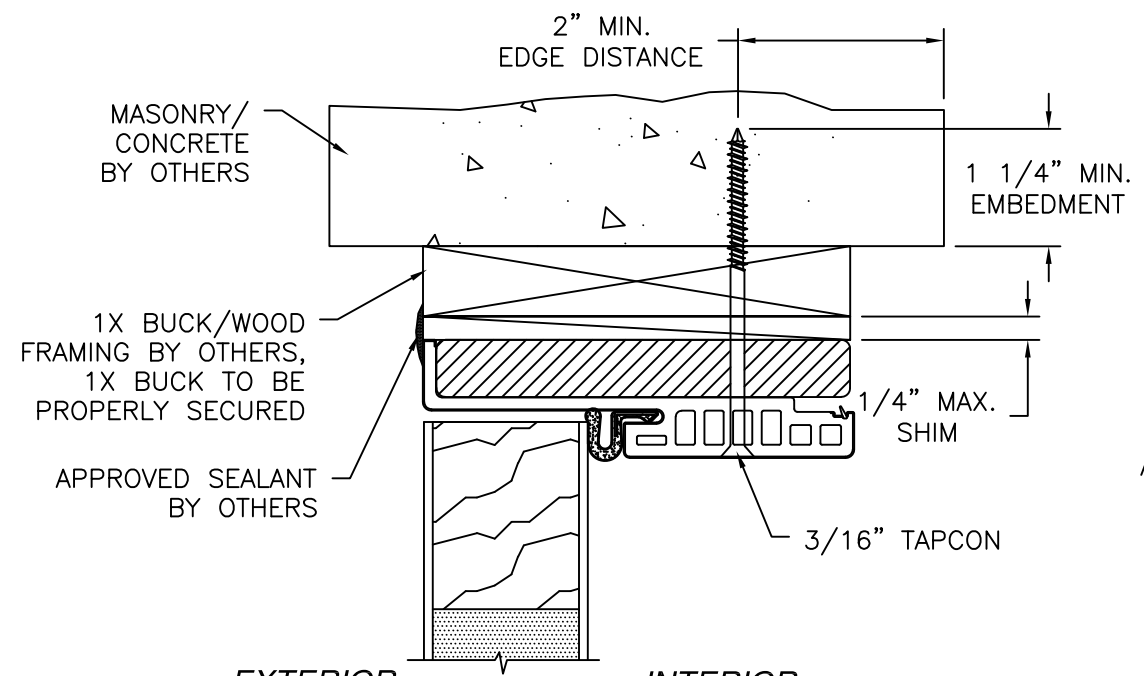
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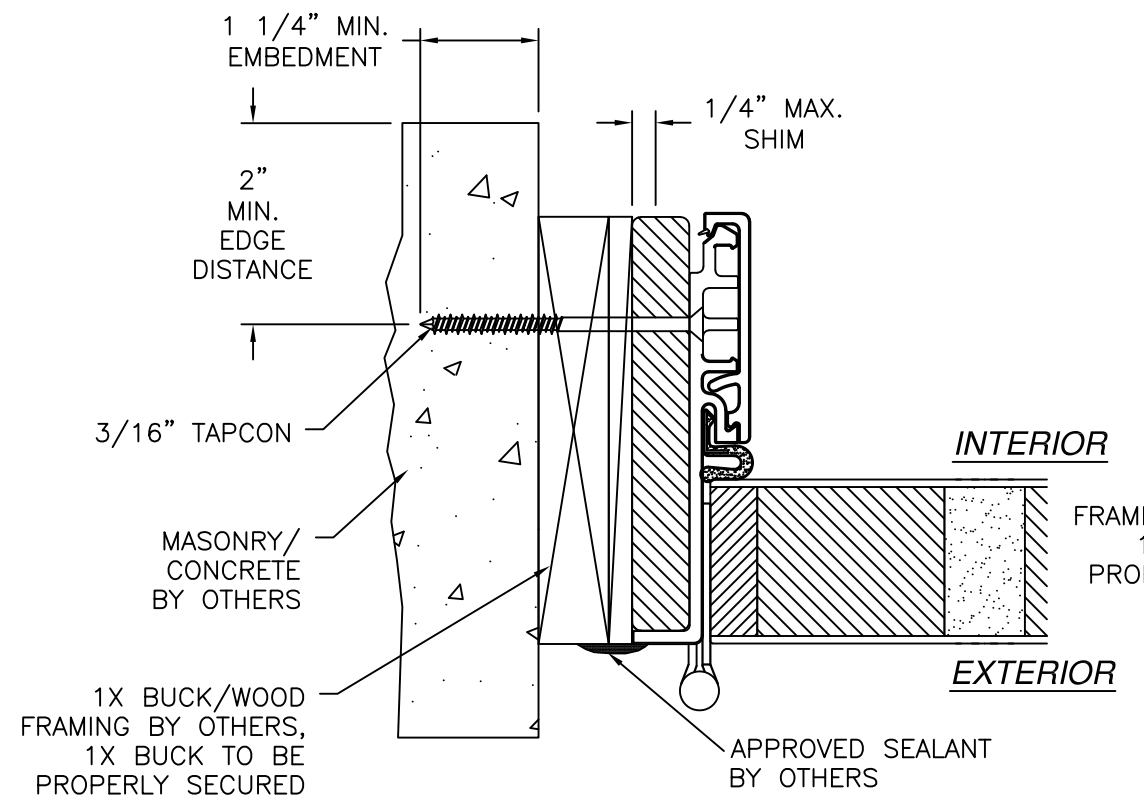
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
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DRAWN: TJH	DWG NO. 08-00904	REV E
SCALE NTS	DATE 12/15/09	SHEET 16 OF 20
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



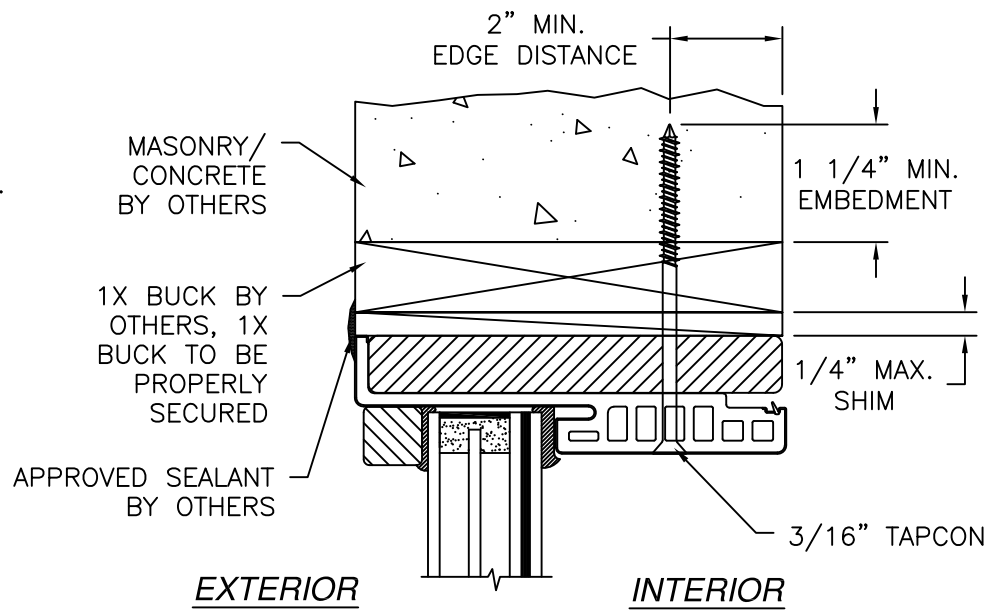
Luis R. Lomas P.E.
FL No.: 62514



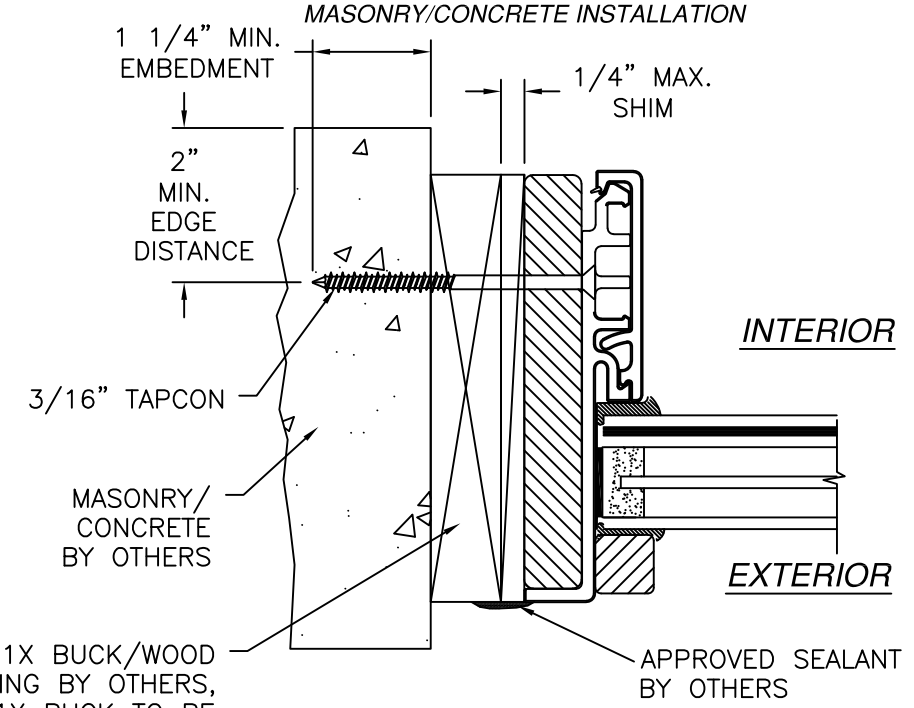
**VERTICAL CROSS SECTION
OUTSWING DOOR**
MASONRY/CONCRETE INSTALLATION



**HORIZONTAL CROSS SECTION
OUTSWING DOOR**
MASONRY/CONCRETE INSTALLATION



**VERTICAL CROSS SECTION
OUTSWING SIDELITE**
MASONRY/CONCRETE INSTALLATION



**HORIZONTAL CROSS SECTION
OUTSWING SIDELITE**
MASONRY/CONCRETE INSTALLATION

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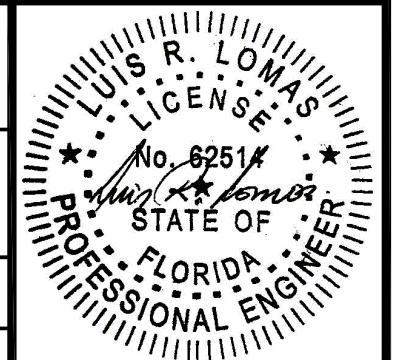
SIGNED: 09/28/2026

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

**PREMIUM FIBERGLASS DOOR IS/OS
W/ AND W/OUT SIDELITES
OUTSWING INSTALLATION DETAILS W/FUSION FRAME**

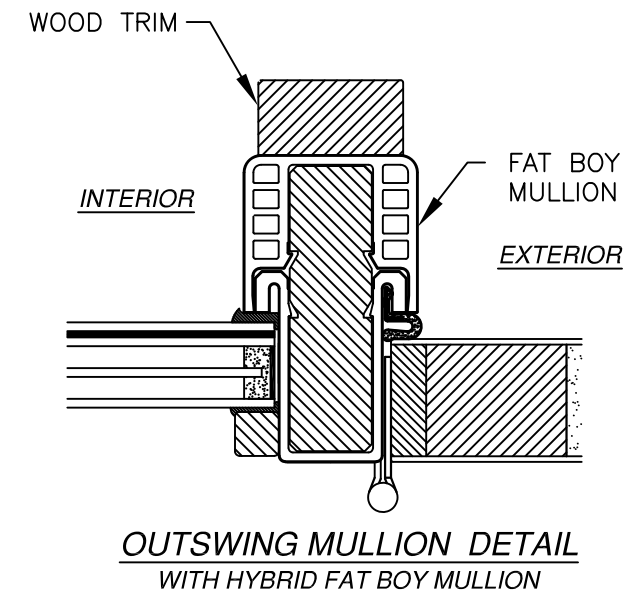
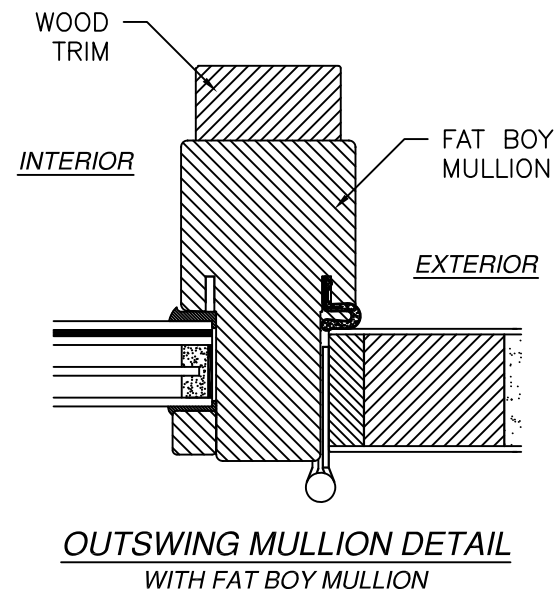
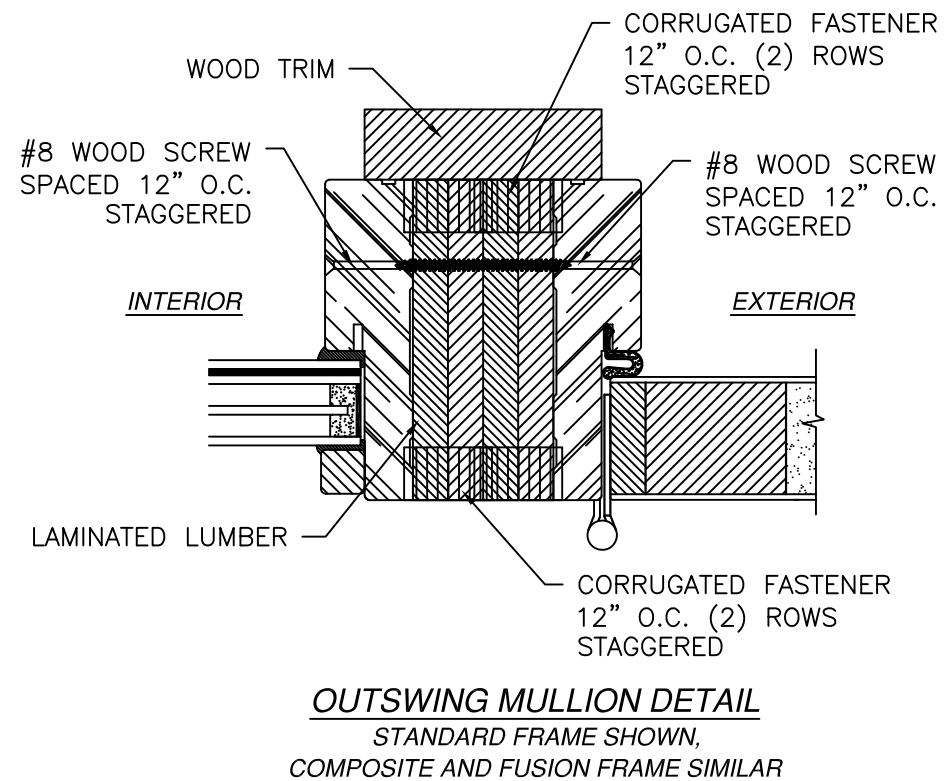
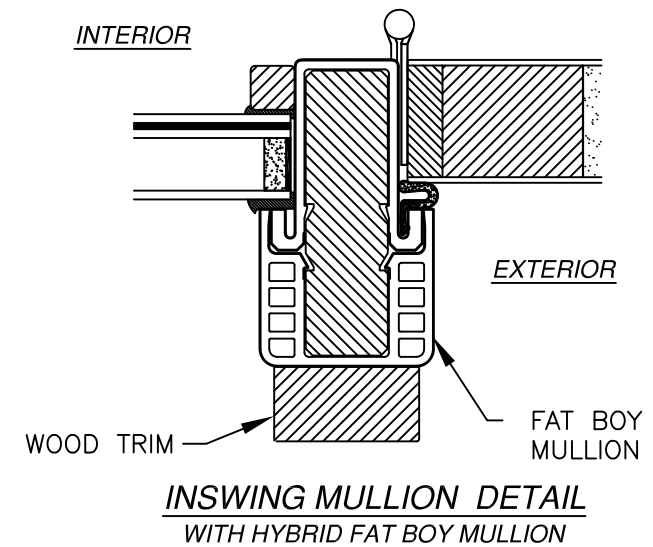
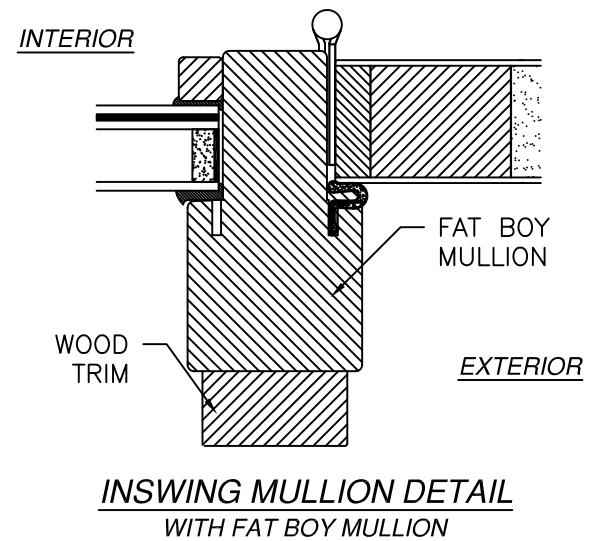
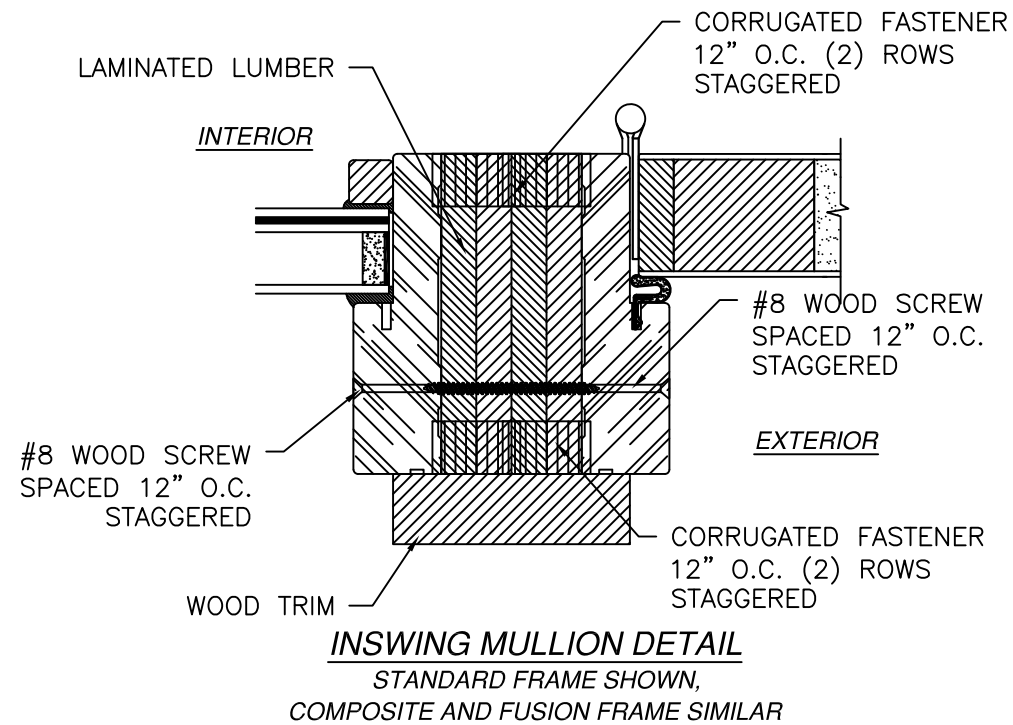
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208 7th Ave, INDIALANTIC, FL 32903
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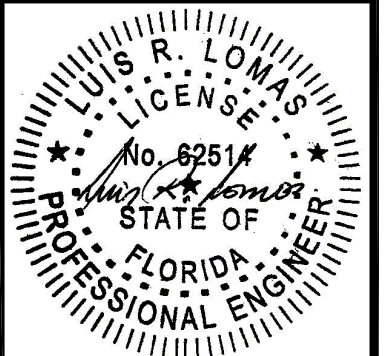
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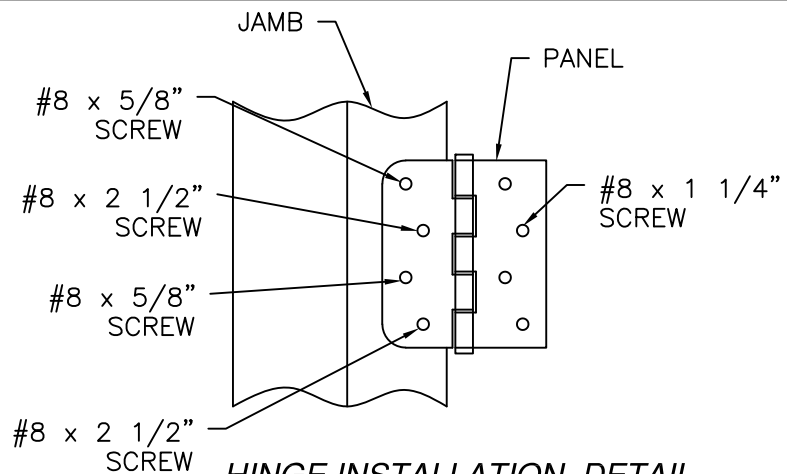


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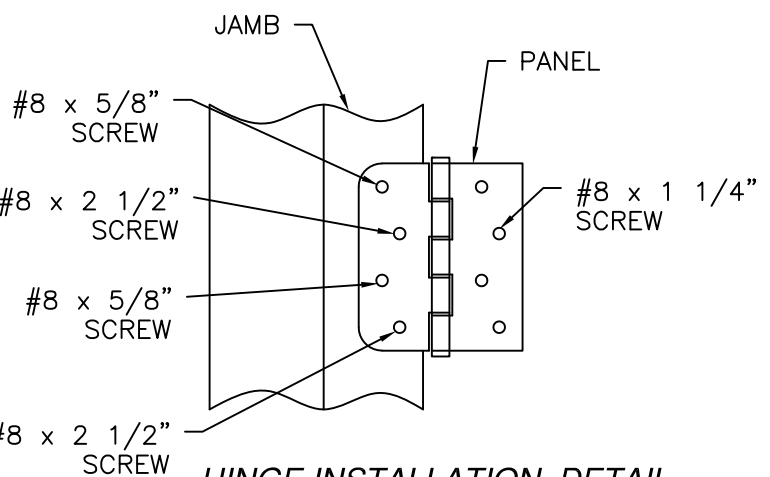
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681			
PREMIUM FIBERGLASS DOOR IS/OS W/ AND W/OUT SIDELITES MULLION DETAILS			
DRAWN: TJH		DWG NO. 08-00904	
SCALE NTS		DATE 12/15/09	
		SHEET 18 OF 20	
L. ROBERTO LOMAS P.E. <i>208 7th Ave, INDIALANTIC, FL 32903</i> <i>434-688-0609 rllomas@lrlomaspe.com</i>			



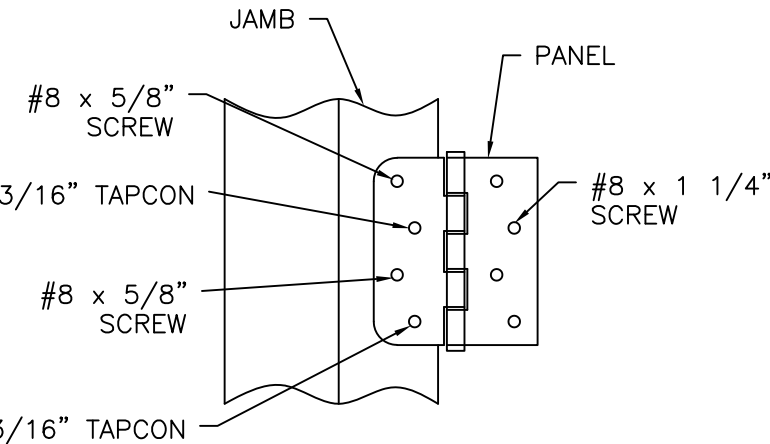
Luis R. Lomas P.E.
FL No.: 62514



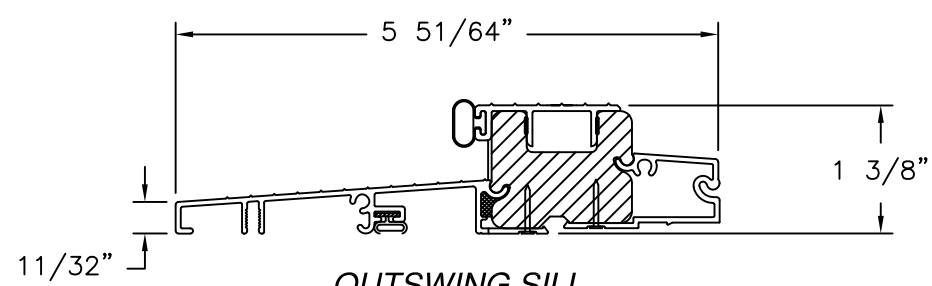
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2X BUCK/WOOD FRAMING INSTALLATION



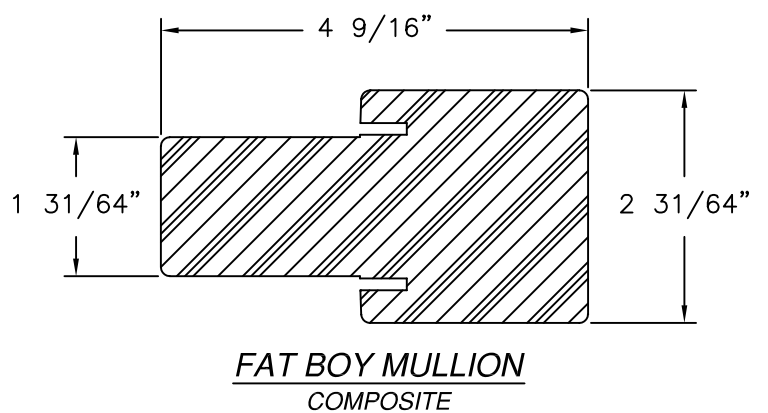
HINGE INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



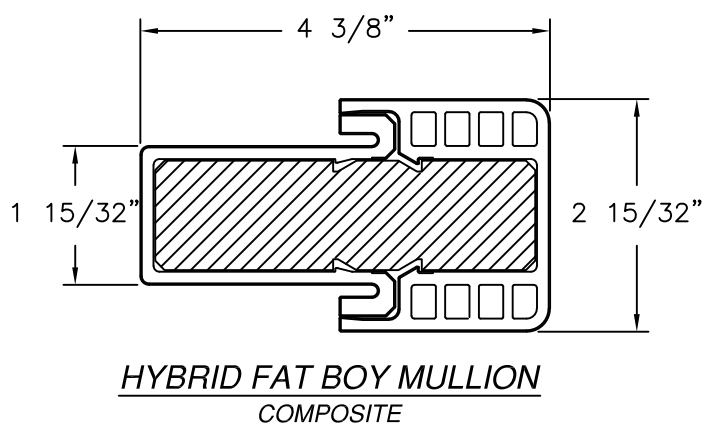
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MASONRY/CONCRETE INSTALLATION



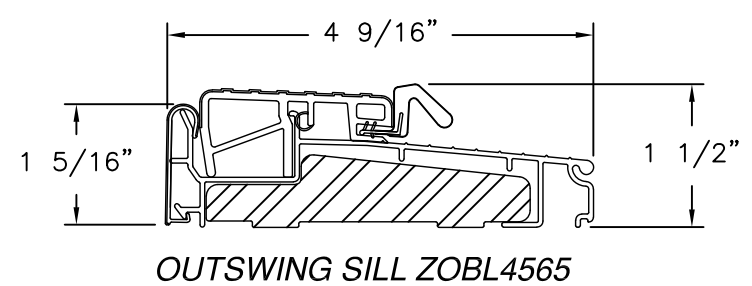
OUTSWING SILL



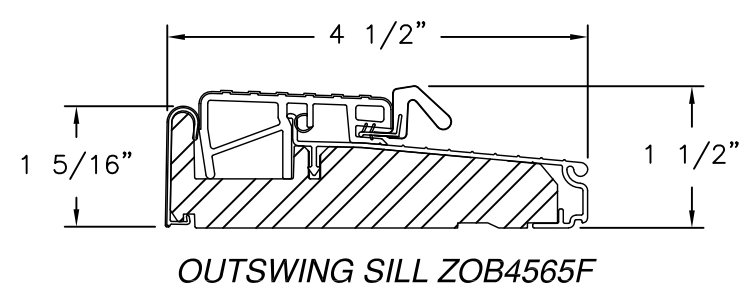
FAT BOY MULLION
COMPOSITE



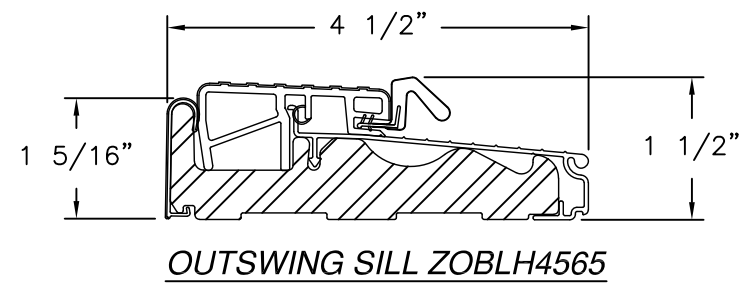
HYBRID FAT BOY MULLION
COMPOSITE



OUTSWING SILL ZOBL4565

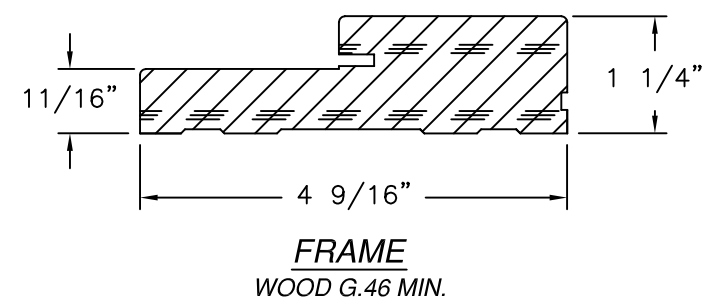


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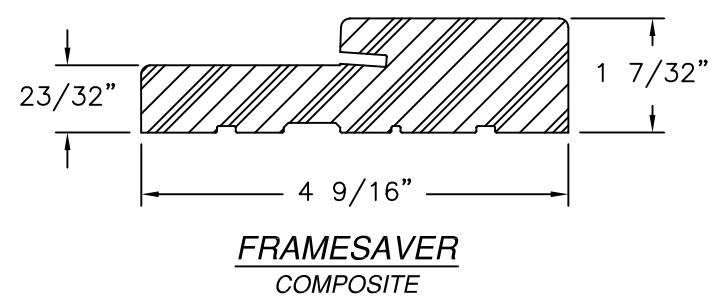


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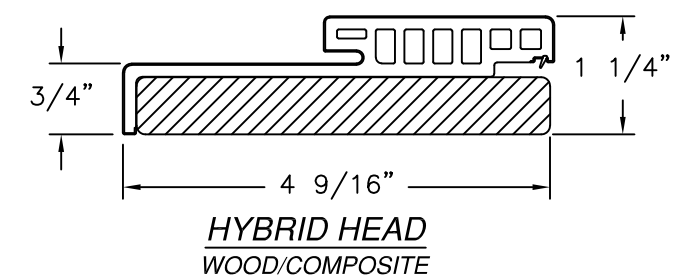
REVISIONS			
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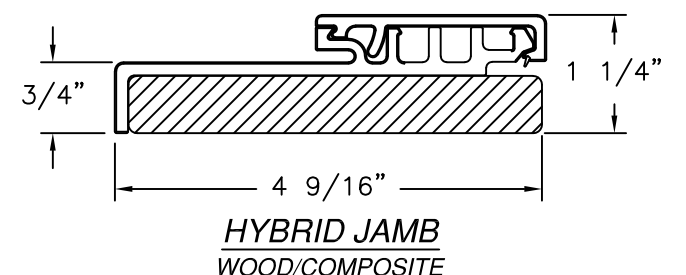
FRAME
WOOD G.46 MIN.



FRAMESAVER
COMPOSITE



HYBRID HEAD
WOOD/COMPOSITE



HYBRID JAMB
WOOD/COMPOSITE

SIGNED: 09/28/2026

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

**PREMIUM FIBERGLASS DOOR IS/OS
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COMPONENTS**

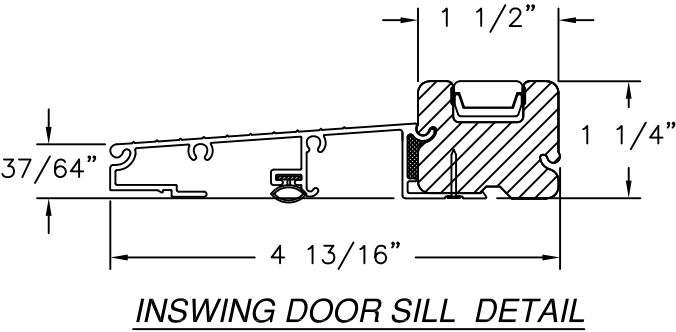
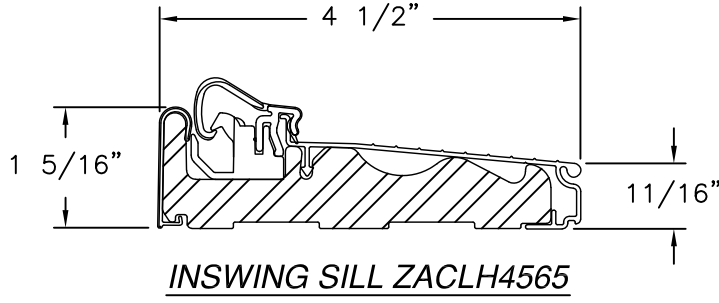
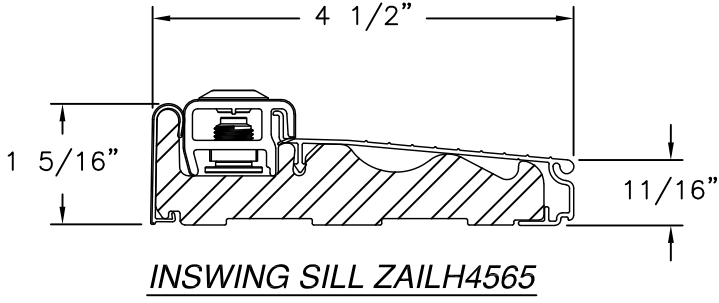
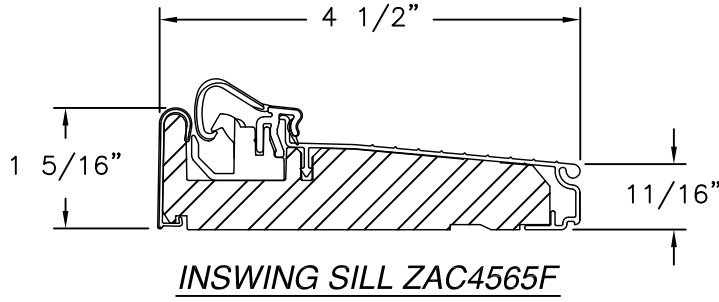
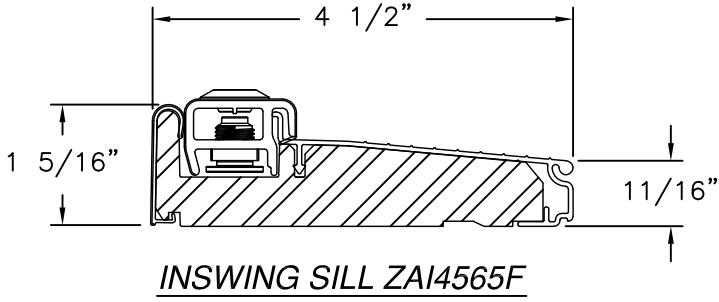
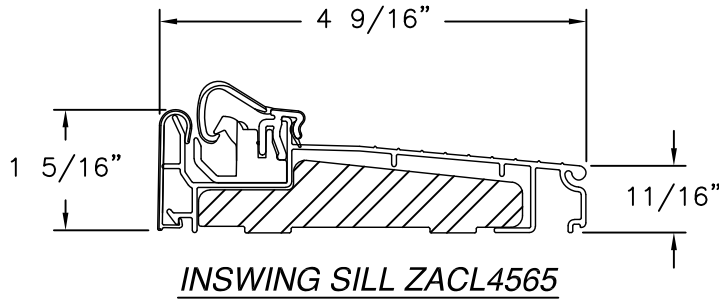
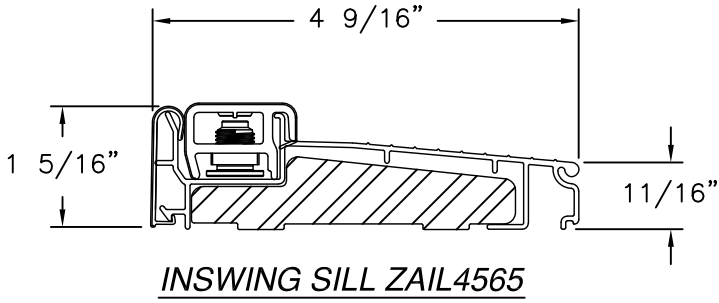
DRAWN: TJH	DWG NO. 08-00904	REV E
SCALE NTS	DATE 12/15/09	SHEET 19 OF 20

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
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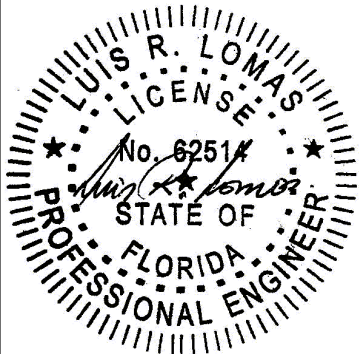
SIGNED: 09/28/2026

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

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COMPONENTS

DRAWN: TJH	DWG NO. 08-00904	REV E
SCALE NTS	DATE 12/15/09	SHEET 20 OF 20

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