

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED HARDWARE SCHEDULE	09/14/26	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
4. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
5. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
6. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS 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".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: PAINTED WOOD PINE.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 20 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.

13. 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.
14. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #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.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - 17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 17.3. MASONRY: GROUT/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 17.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .048" THICK MINIMUM

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20	GLAZING DETAILS
21	COMPONENTS

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

SIGNET INSWING ENTRY DOOR SYSTEM 8'0"
IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03625

REV
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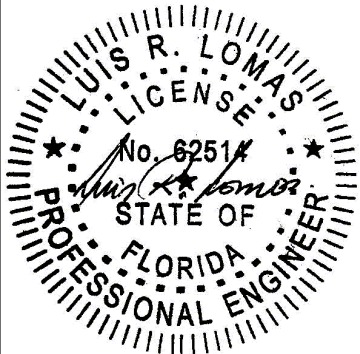
SCALE NTS

DATE 10/14/2020

SHEET 1 OF 21

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

SIGNED: 09/14/2026



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

108 3/4" WIDTH FRAME

6"

6"

17 5/8"

4 1/4" MAX.

4 1/4" MAX.

3 3/4" MAX.

16" MAX. O.C.

97 11/16" FRAME HEIGHT

7 1/16" MAX.

O

X

X

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SIGNET IS DOOR WITH PLUGLESS TRIM

EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	

MISSILE LEVEL D, WIND ZONE 3

35 3/4" X 95" PANEL SHOWN. OTHER SIZES ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.58 FT²

REVISIONS

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SEE DETAIL A SHEET 18

SEE DETAIL A SHEET 18

HORIZONTAL CROSS SECTION

NOTES:

1. DOOR PANEL SIZE: 35 3/4" X 95"

2. SIDELITE PANEL SIZE: 15 7/8" X 95"

3. DOOR PANEL D.L.O.: 21 1/8" X 63 1/16"

4. SIDELITE PANEL D.L.O.: 7" X 63 1/16"

APPROVED LITE CONFIGURATIONS

FULL LITE

3 LITE

4 LITE

2 LITE

LITE CONFIGURATIONS SHOWN ARE FOR REFERENCE ONLY. MULTIPLE LITE CONFIGURATIONS ARE APPROVED AS LONG AS LITE SIZE DOES NOT EXCEED 9.25 FT²

HARDWARE SCHEDULE	
A.	(1) KEYED DOORKNOB LOCKING ASSEMBLY AT ACTIVE LEAF, STRIKE RAIL 35" (LEVER) & 41" (KEYED/THUMB TURN)UP FROM BOTTOM
B.	(1) KEYED DEADBOLT W/THUMB-TURN ASSEMBLY AT ACTIVE LEAF, STRIKE RAIL 39" UP FROM BOTTOM
C.	(8) METAL 4" BUTT HINGE AT LEAF(S), 4 PER LEAF/MULLION EVENLY SPACE WITH ONE 7" IN FROM THE TOP & ONE 6" IN FROM THE BOTTOM OF LEAF
D.	(1) METAL SECURITY PLATE (12") W/METAL STRIKE PLATE AT HEAD, CENTER SPAN (ASTRAGAL THRU-BOLT LOCATION)
E.	F-SERIES & FC-SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE
F.	B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
G.	F-SERIES & FC-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
H.	RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE)
I.	MULTI-POINT HANDLE ASSEMBLY BY TRILENNIUM (ALTERNATE)
J.	PANOLOCK MULTI-POINT LOCK ASSEMBLY (ALTERNATE)

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2150 STATE ROUTE 39 WEST

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IMPACT ELEVATION

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SHEET 2 OF 21

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SIGNED: 09/14/2026

LUIS R. LOMAS

LICENS. M.S.

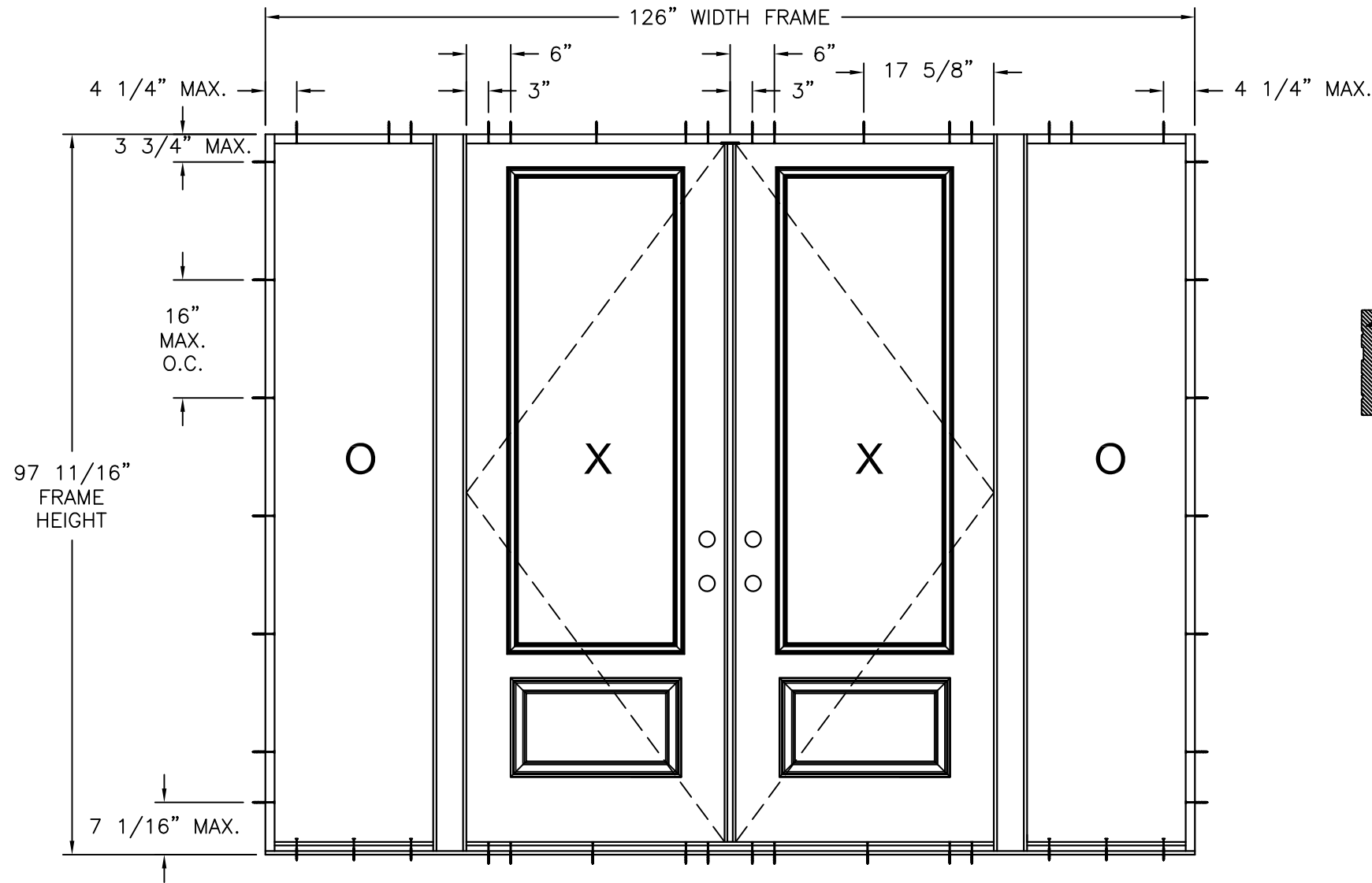
No. 62514

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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SIGNET IS DOOR WITH DIRECT SET SIDELITES
EXTERIOR VIEW

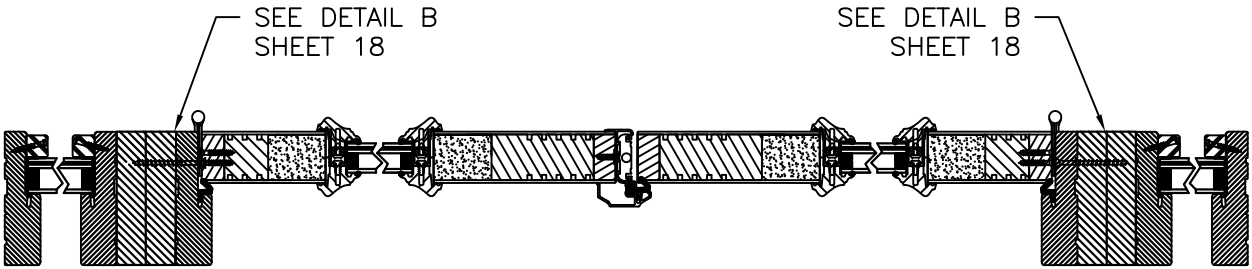
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35 3/4" X 95" PANEL SHOWN. OTHER SIZES ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.58 FT²

- NOTES:
- DOOR PANEL SIZE: 35 3/4" X 95"
 - SIDELITE PANEL SIZE: 15 7/8" X 95"
 - DOOR PANEL D.L.O.: 21 1/8" X 63 1/16"
 - DIRECT SET SIDELITE D.L.O.: 21 1/8" X 93 1/2"

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HORIZONTAL CROSS SECTION

Exposure	Anchors and anchor connectors corrosion resistance chart	
	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

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

SIGNET INSWING ENTRY DOOR SYSTEM 8'0"
IMPACT
ELEVATION

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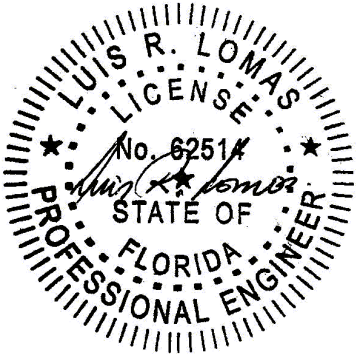
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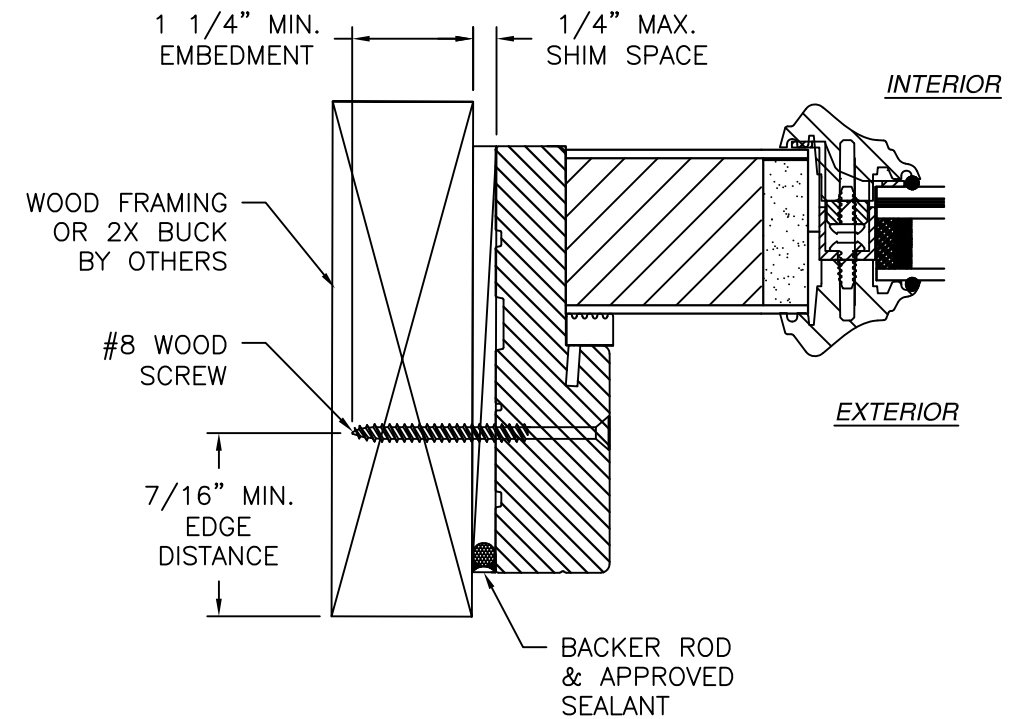
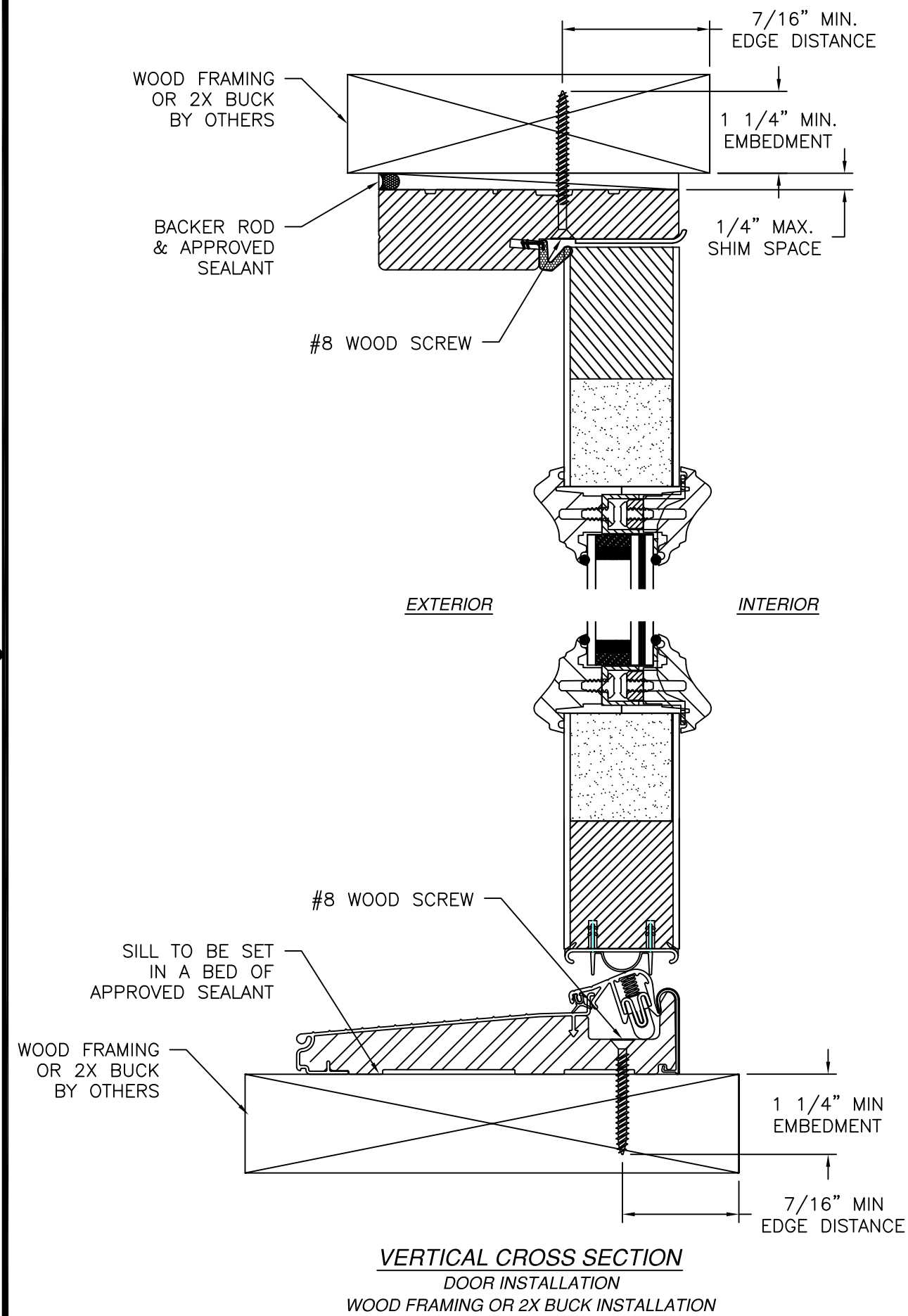
SHEET
3 OF 21

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JAMB INSTALLATION DETAIL
DOOR INSTALLATION
WOOD FRAMING OR 2X BUCK INSTALLATION

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

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2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

SIGNET INSWING ENTRY DOOR SYSTEM 8'0"

IMPACT

INSTALLATION DETAILS

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SHEET 4 OF 21

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No. 62514

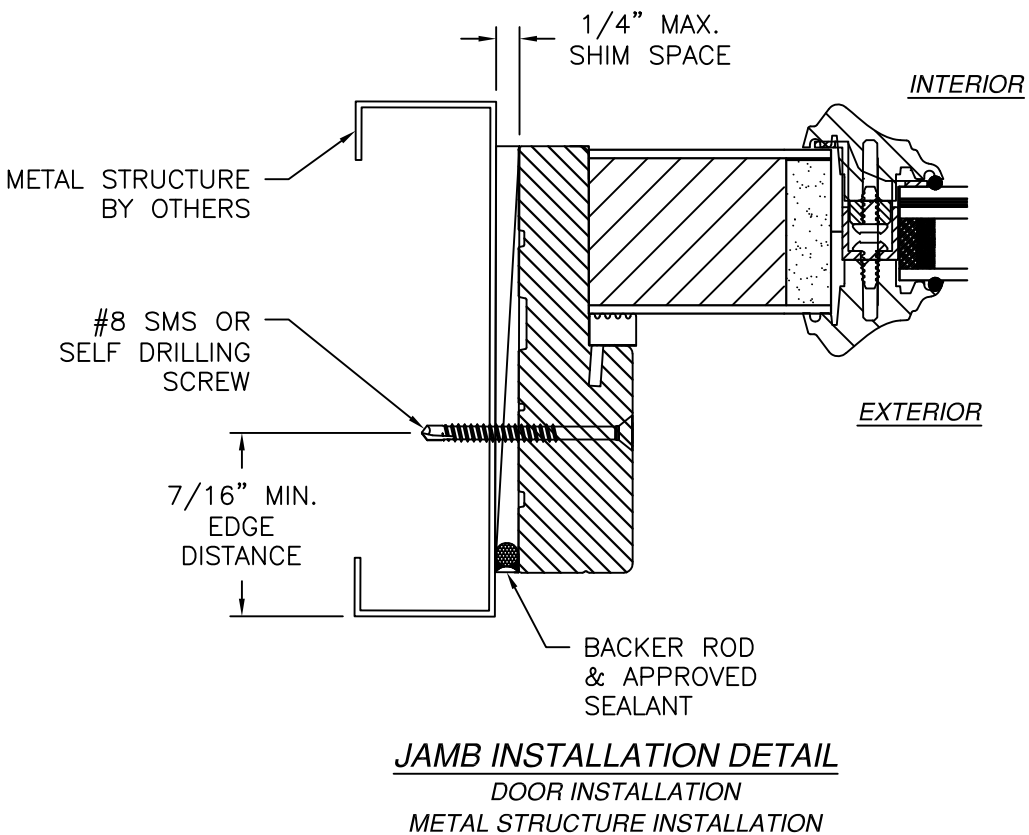
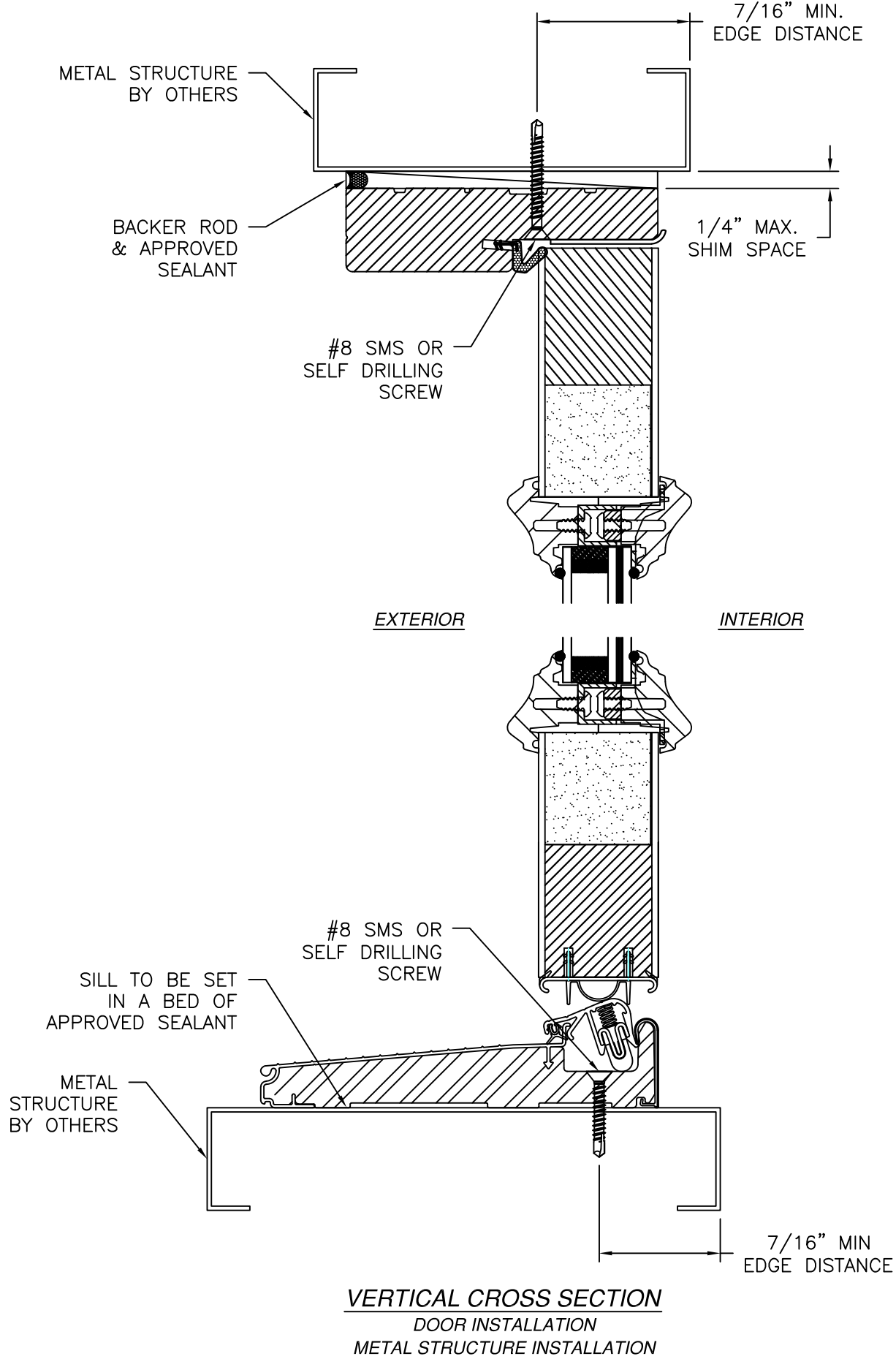
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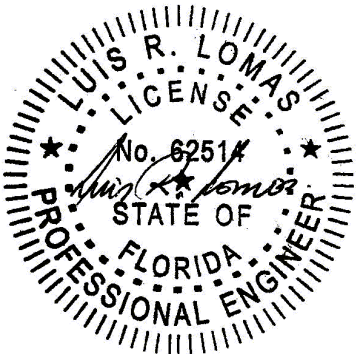
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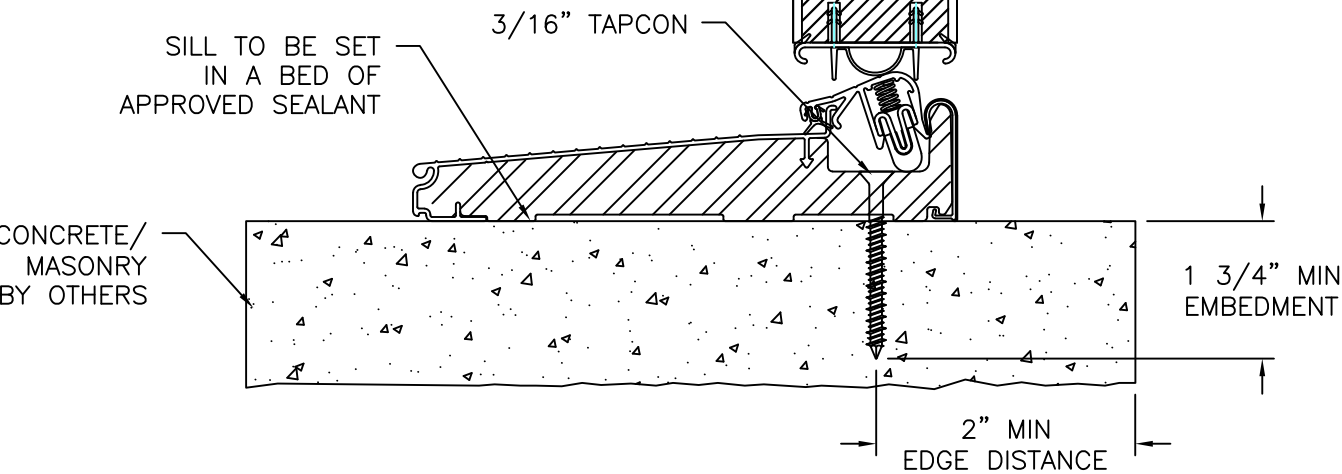
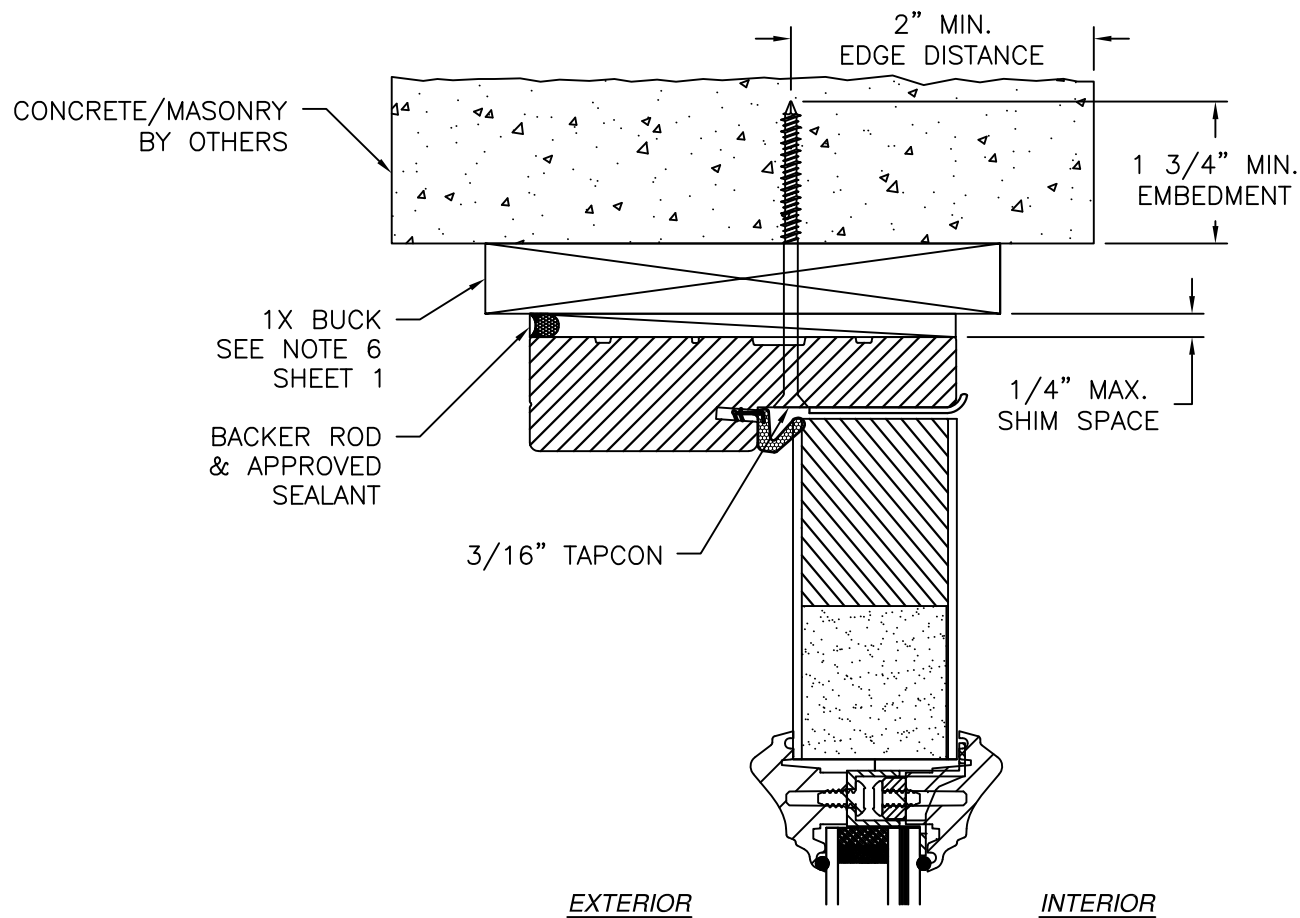
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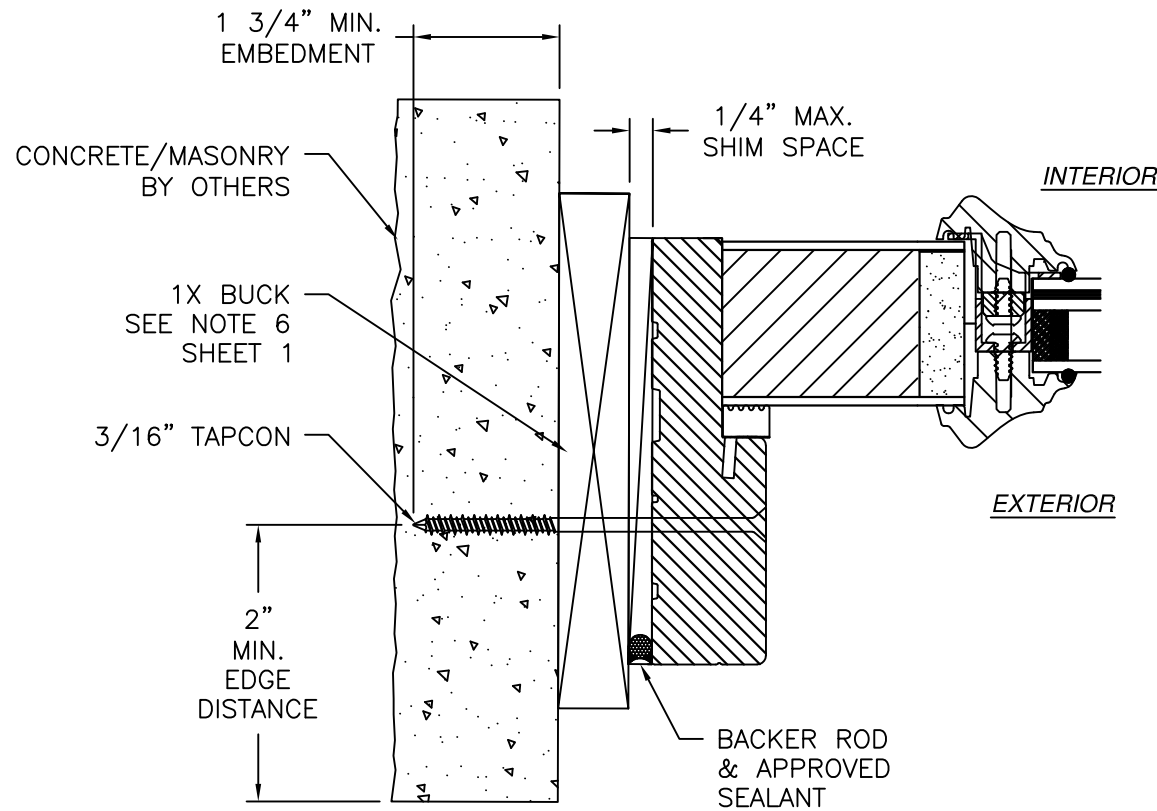
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VERTICAL CROSS SECTION
DOOR INSTALLATION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
DOOR INSTALLATION
CONCRETE/MASONRY INSTALLATION

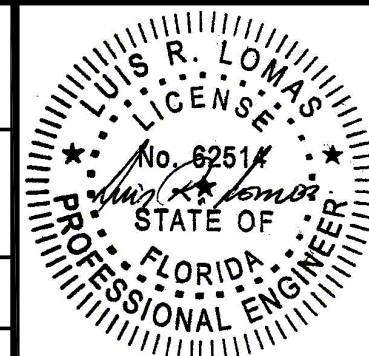
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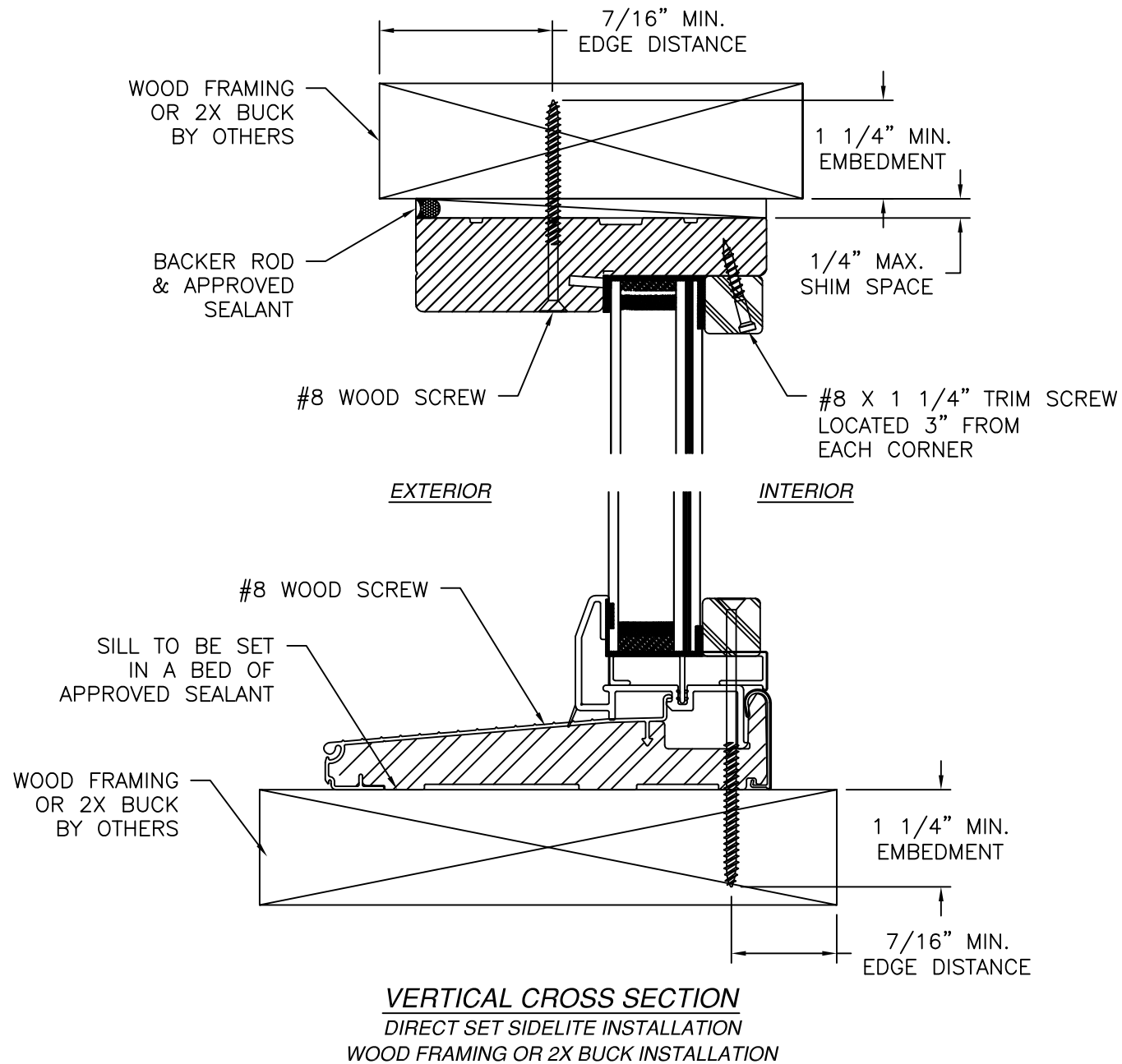
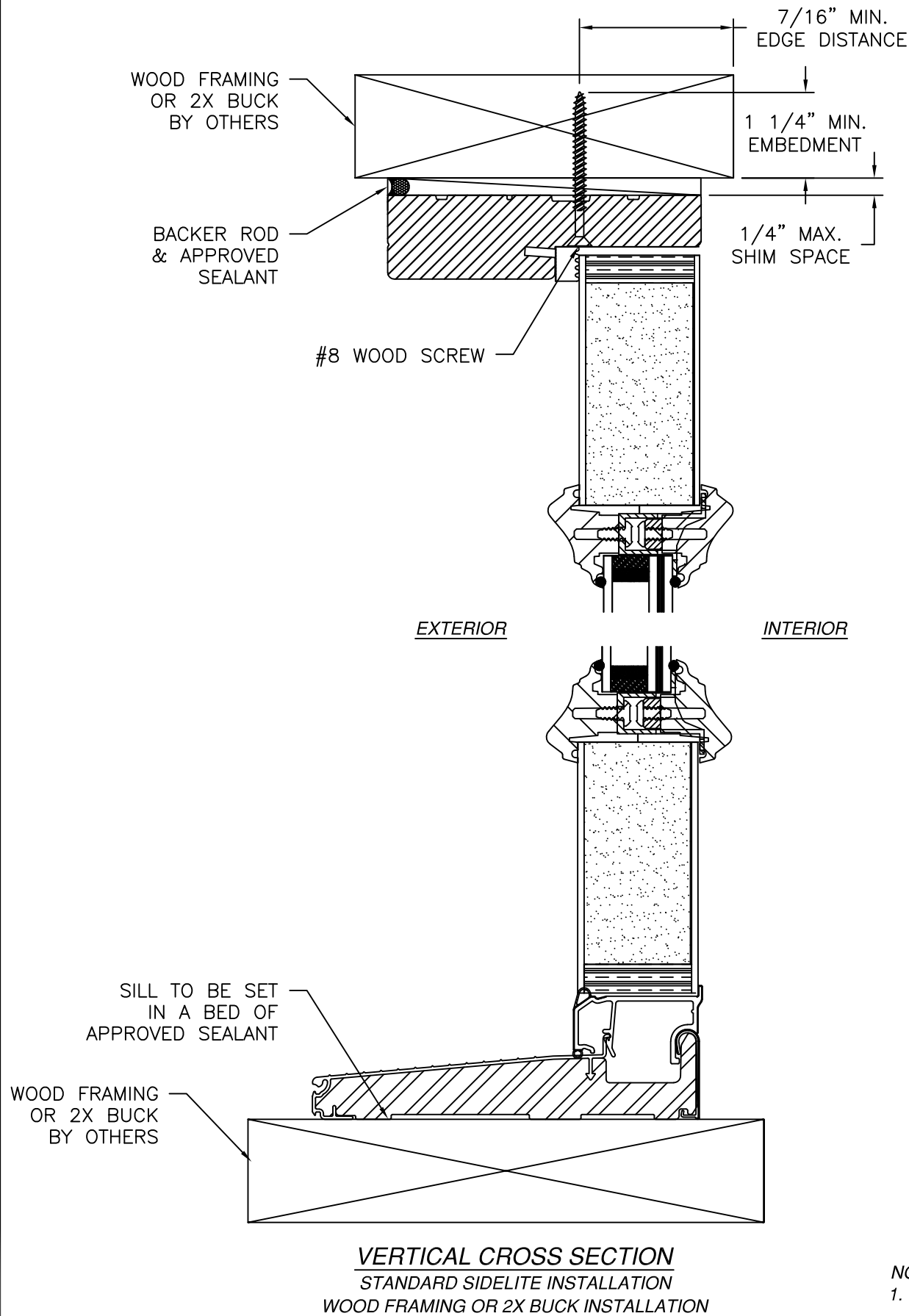
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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 8'0" IMPACT INSTALLATION DETAILS		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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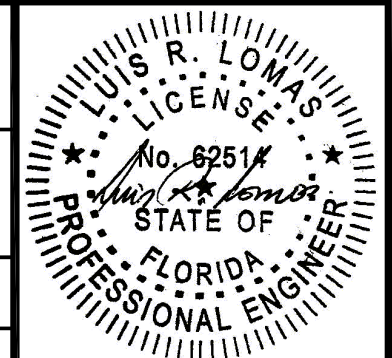
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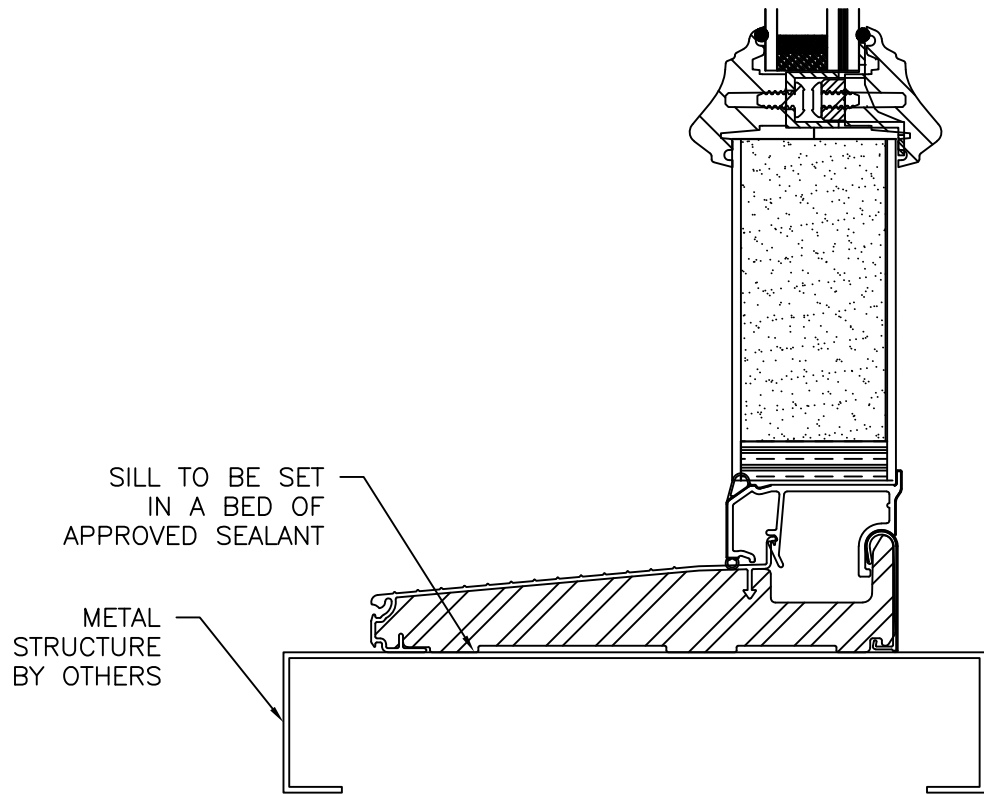
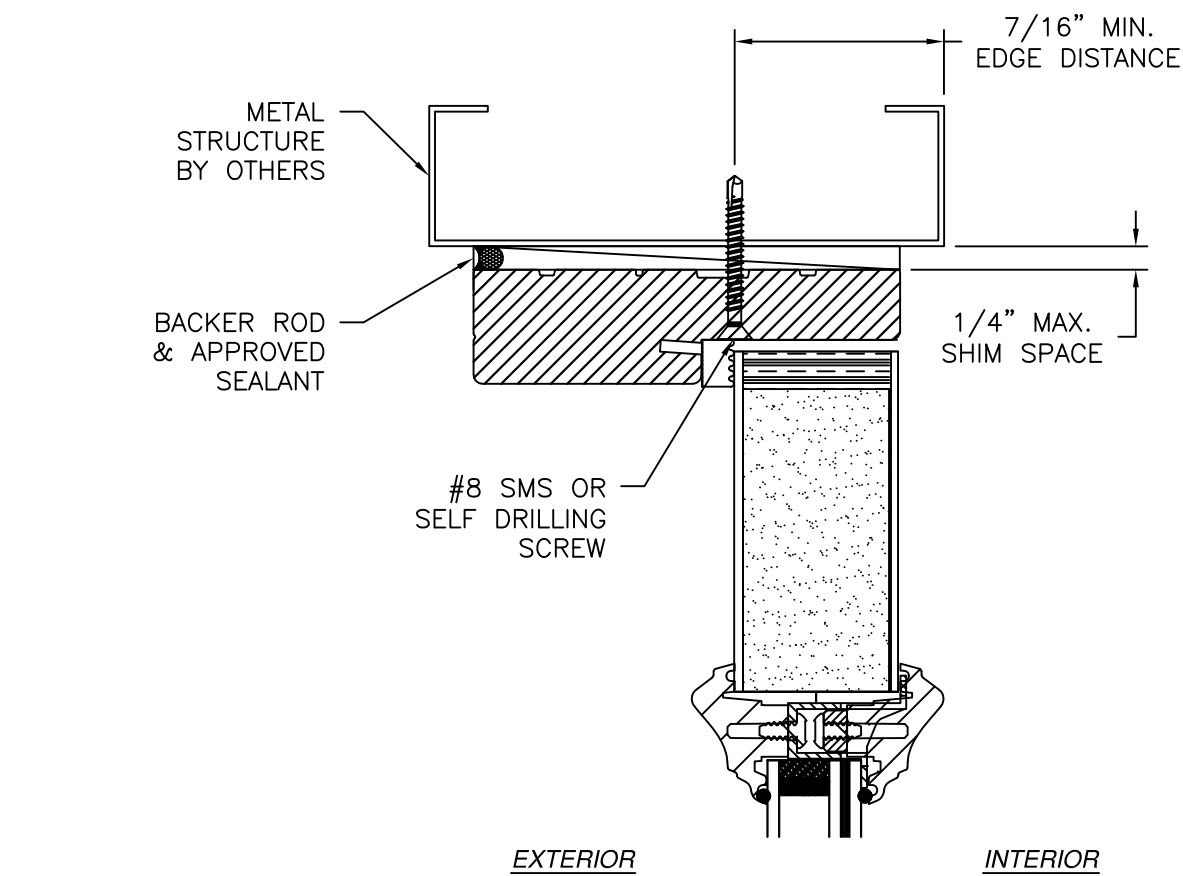
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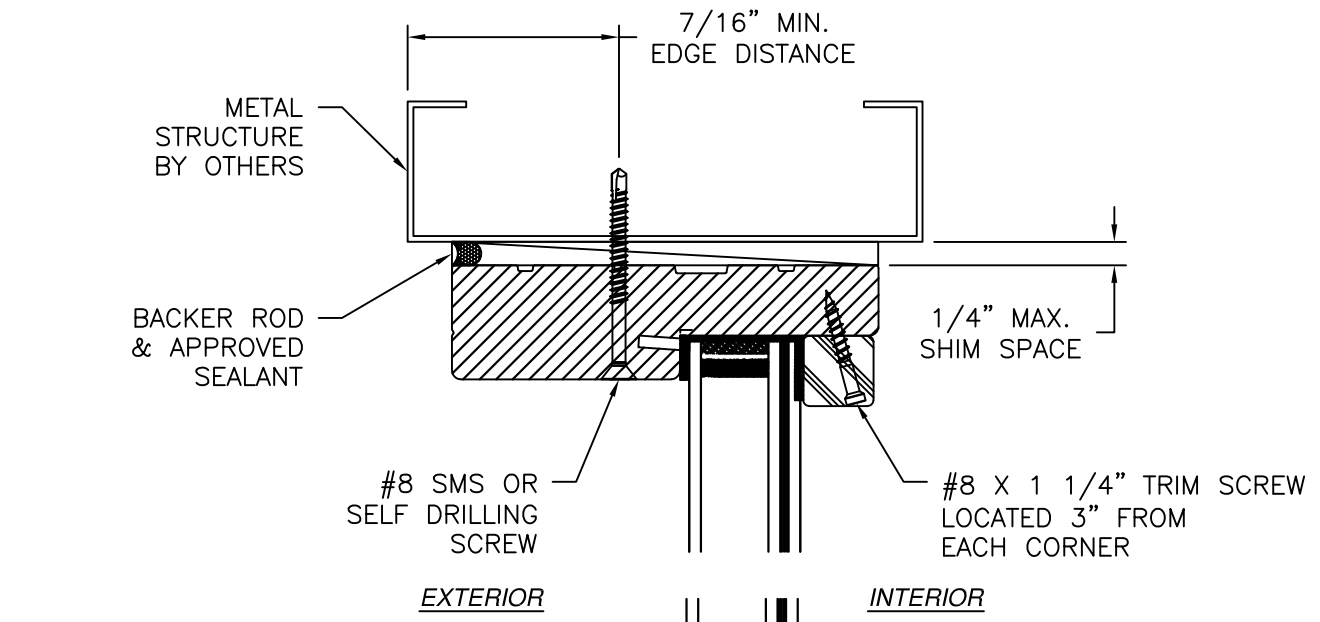
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SILL TO BE SET
IN A BED OF
APPROVED SEALANT

METAL
STRUCTURE
BY OTHERS

VERTICAL CROSS SECTION
STANDARD SIDELITE INSTALLATION
METAL STRUCTURE INSTALLATION



#8 WOOD SCREW
SILL TO BE SET
IN A BED OF
APPROVED SEALANT

METAL
STRUCTURE
BY OTHERS

VERTICAL CROSS SECTION
DIRECT SET SIDELITE INSTALLATION
METAL STRUCTURE INSTALLATION

7/16" MIN.
EDGE DISTANCE

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SIGNET INSWING ENTRY DOOR SYSTEM 8'0"

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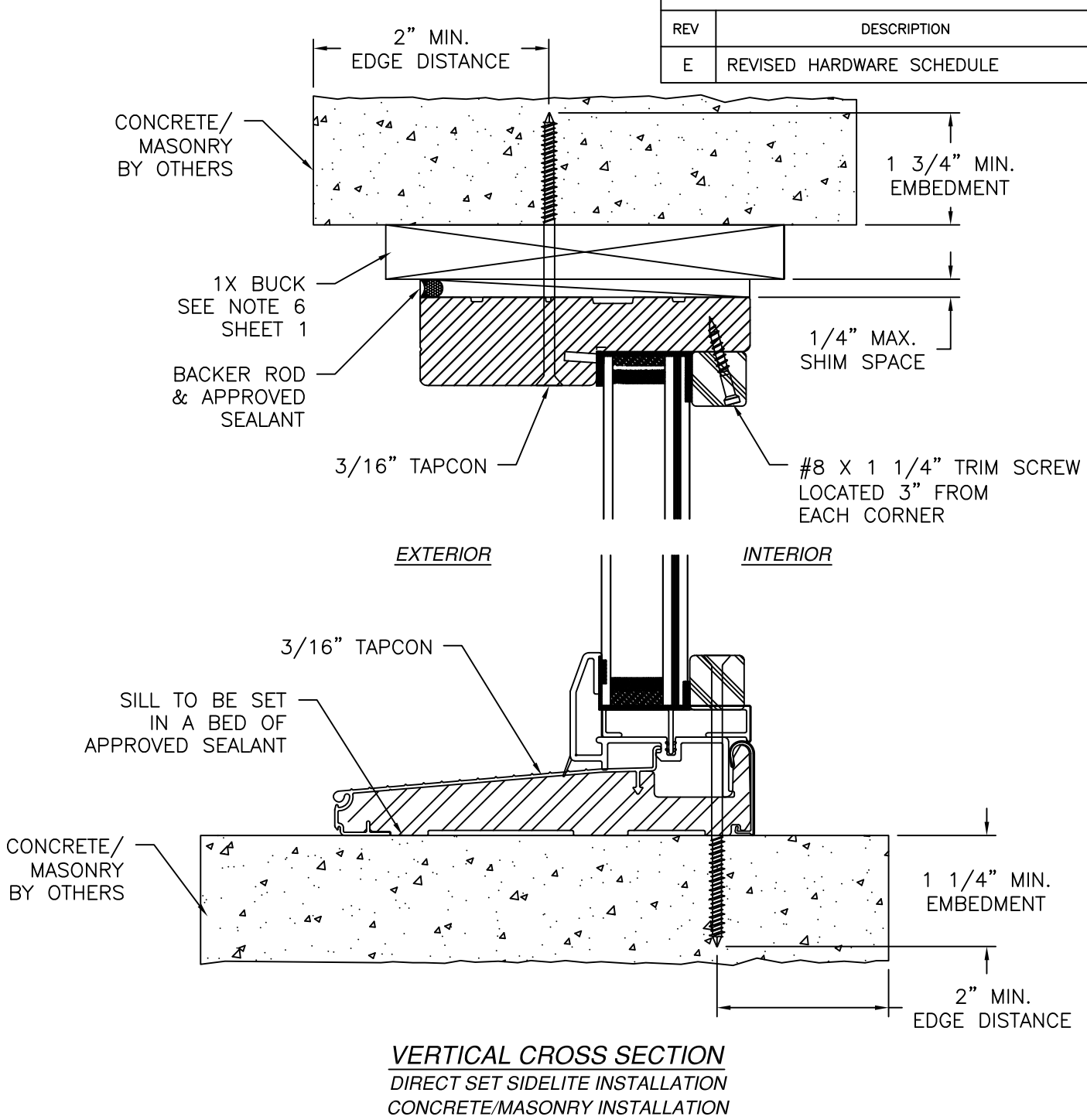
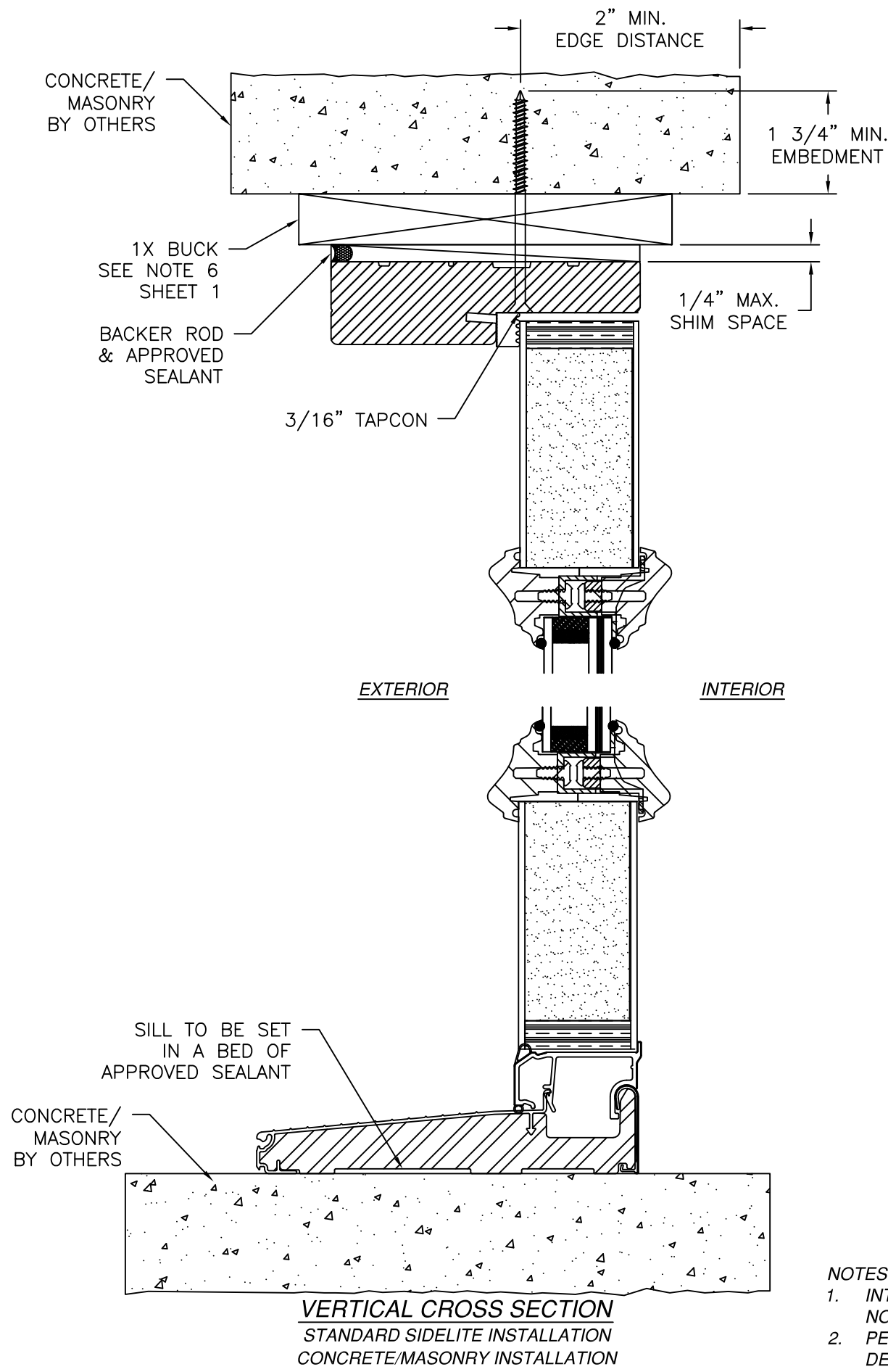
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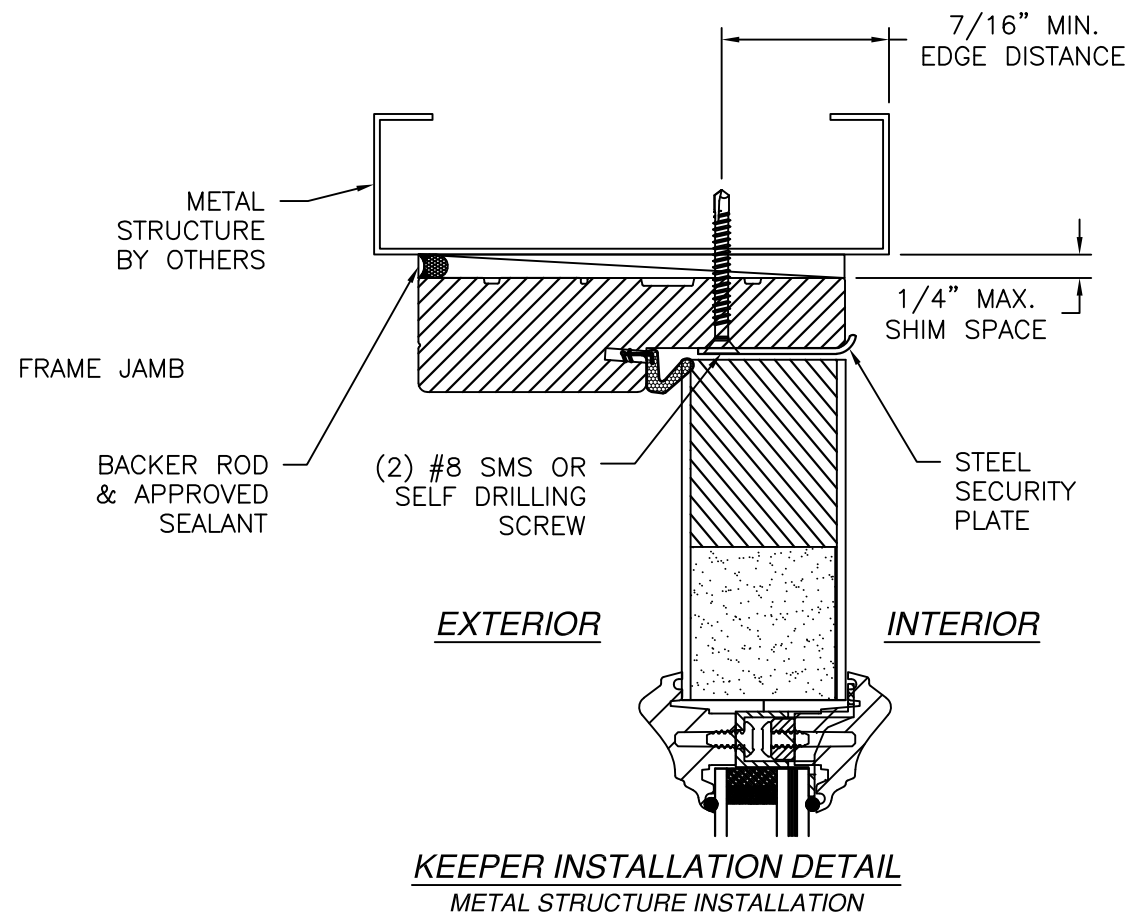
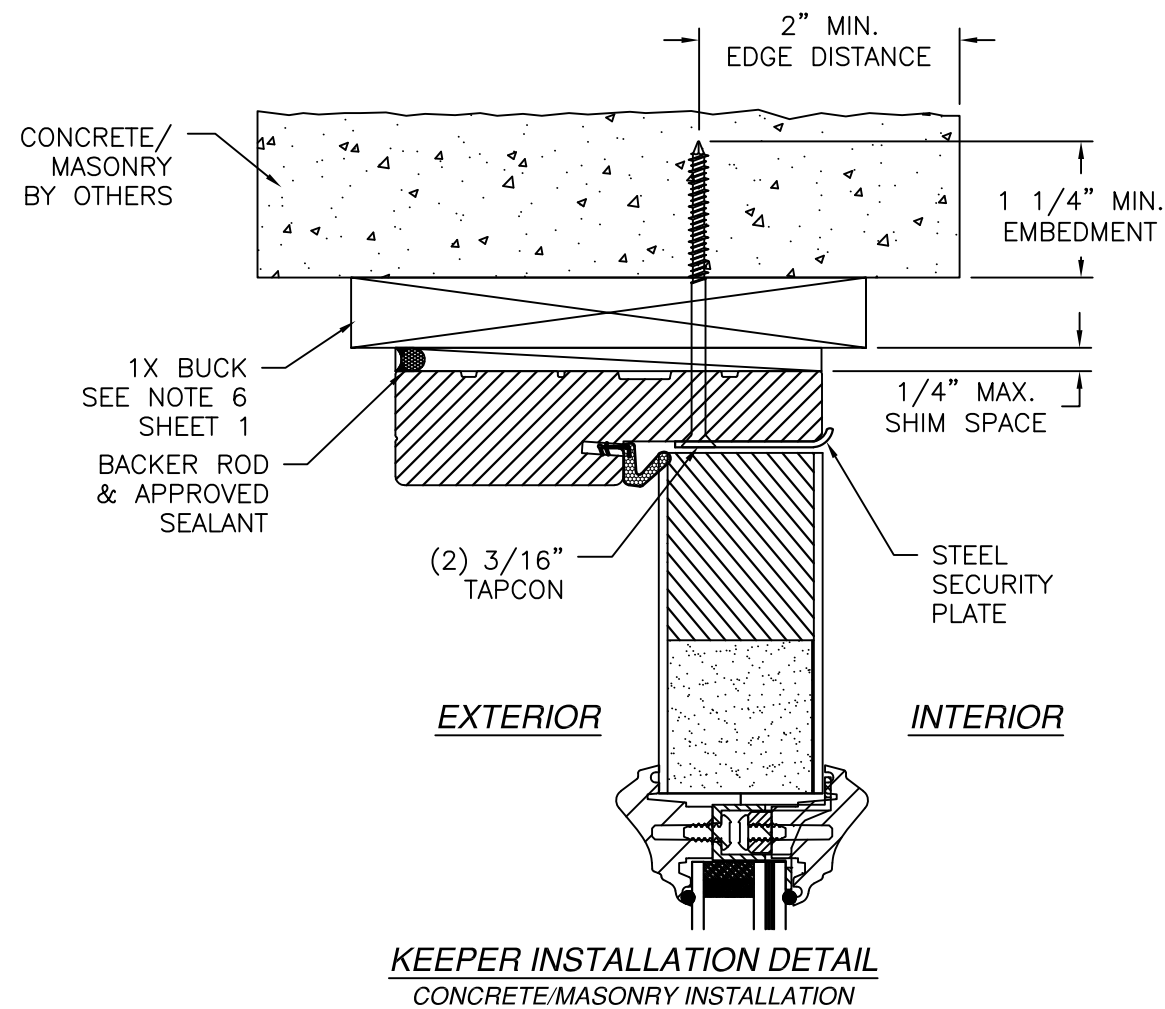
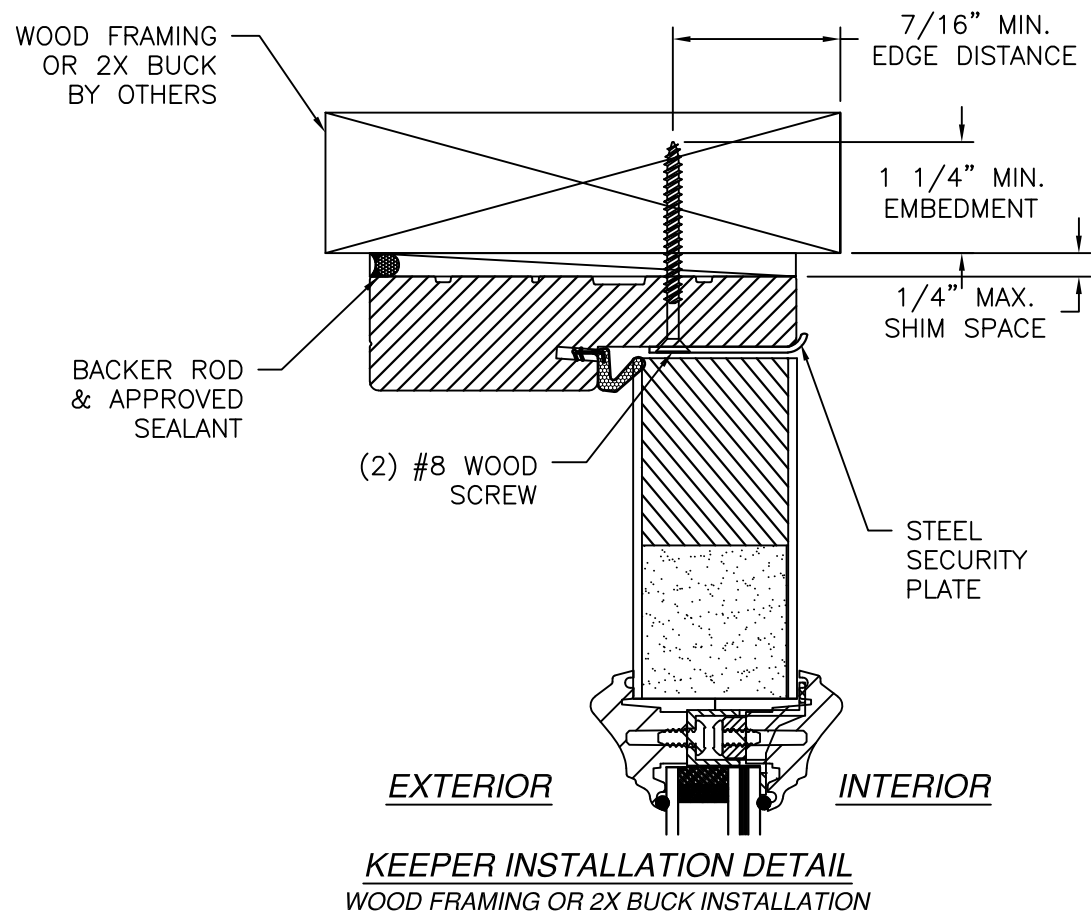
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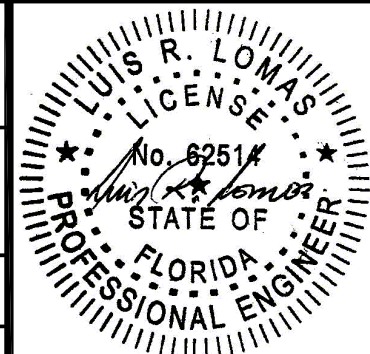
SHEET
10 OF 21

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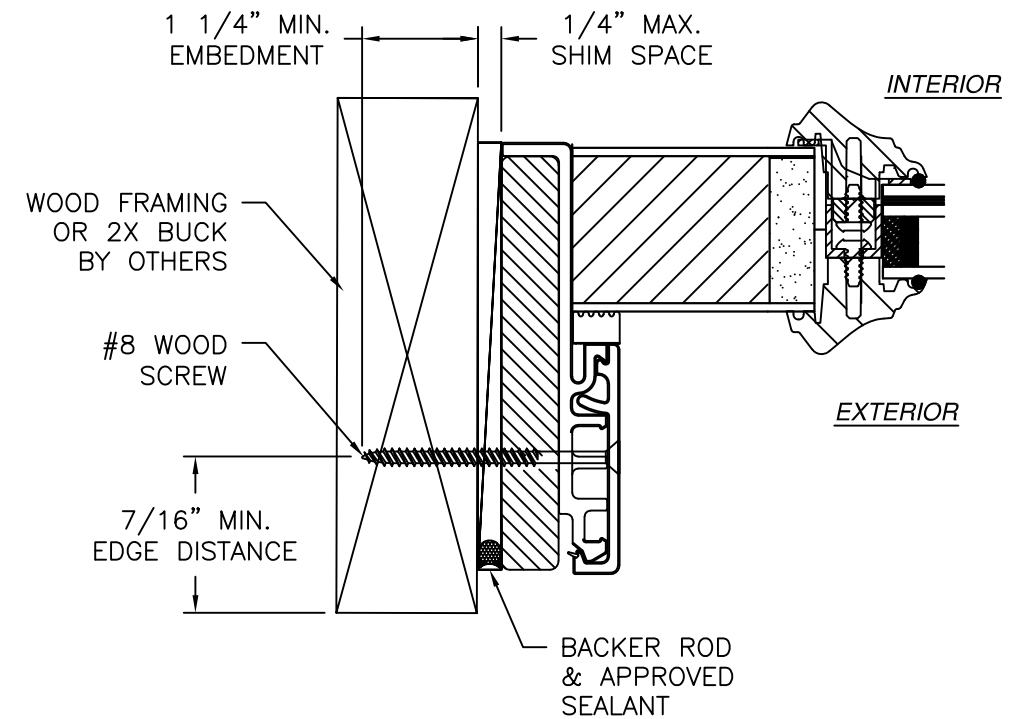
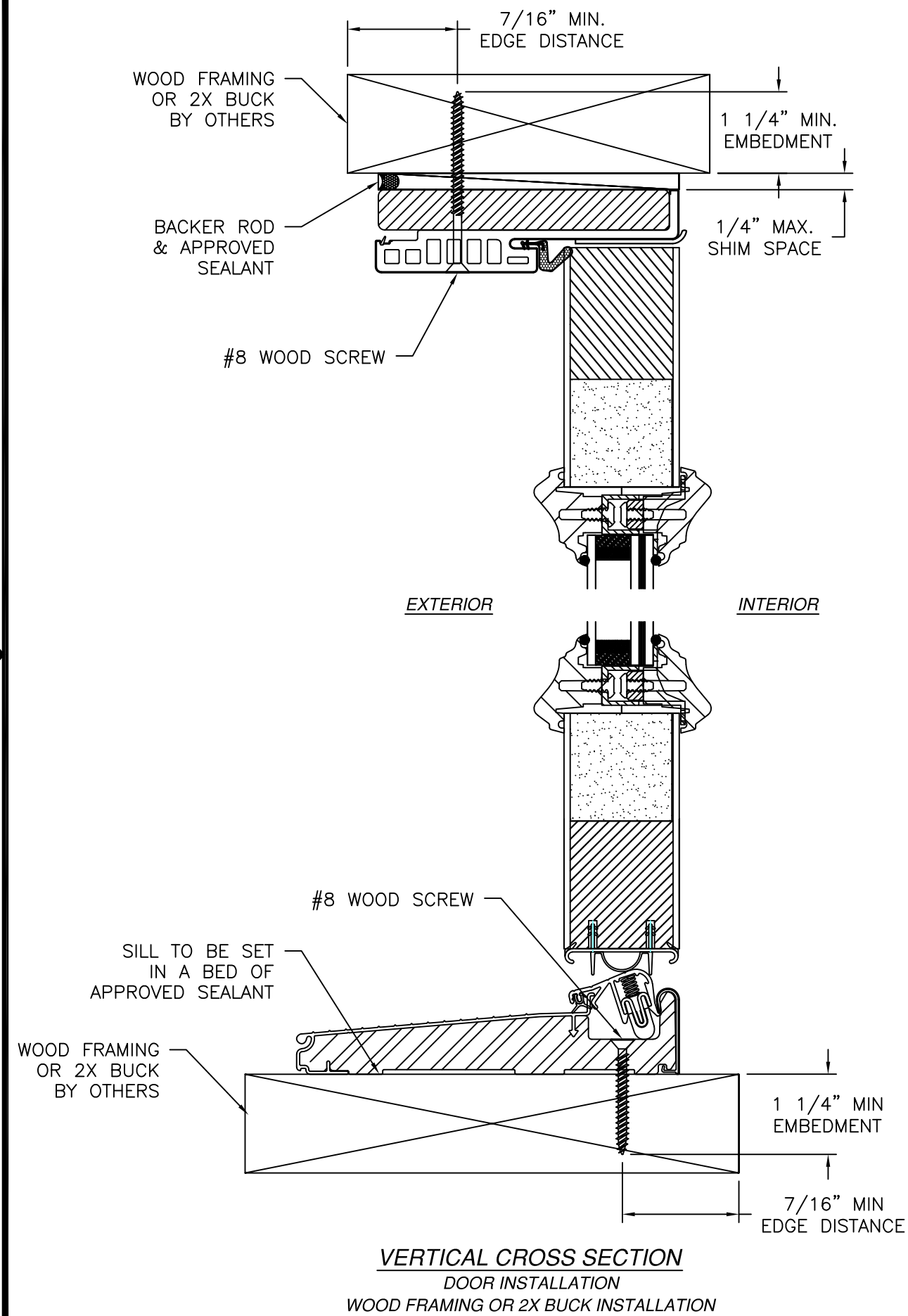
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JAMB INSTALLATION DETAIL
DOOR INSTALLATION
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:
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INSTALLATION DETAILS W/FUSION FRAME

DRAWN: A.R.

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SHEET 11 OF 21

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LICENS. M.S.

No. 62514

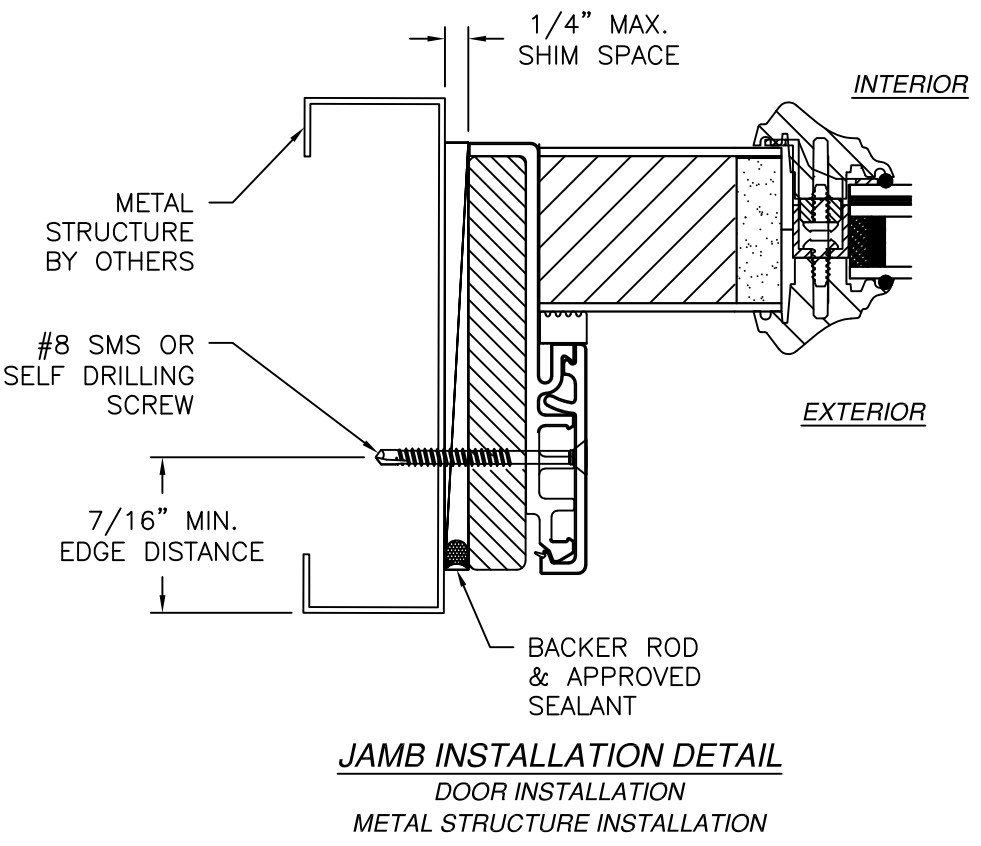
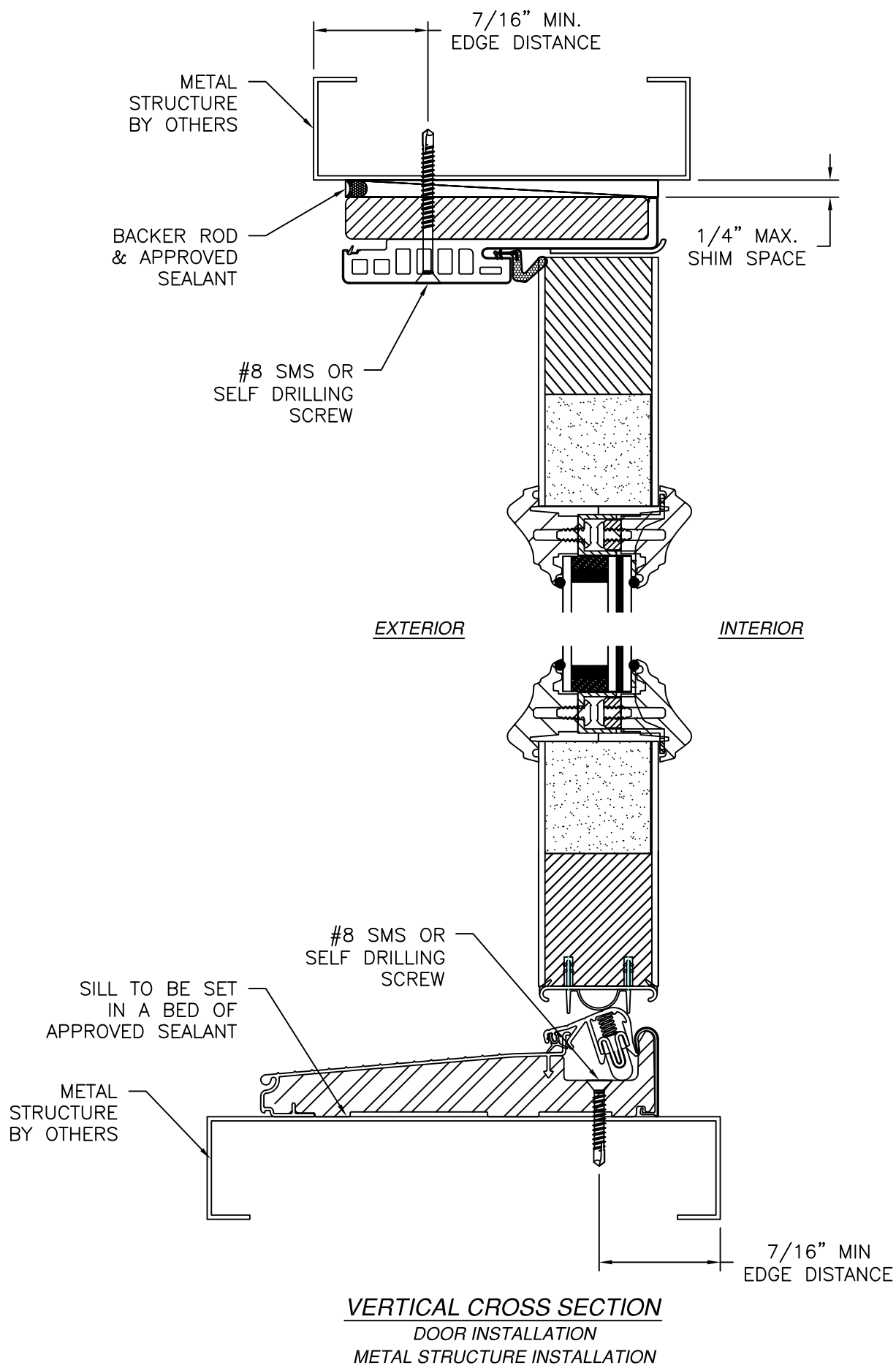
STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED HARDWARE SCHEDULE	09/14/26	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

SIGNED: 09/14/2026

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

SIGNET INSWING ENTRY DOOR SYSTEM 8'0"

IMPACT

INSTALLATION DETAILS W/FUSION FRAME

DRAWN:
A.R.

DWG NO.
08-03625

REV
E

SCALE
NTS

DATE
10/14/2020

SHEET
12 OF 21

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS

LICENS. M.E.S.

No. 62514

STATE OF

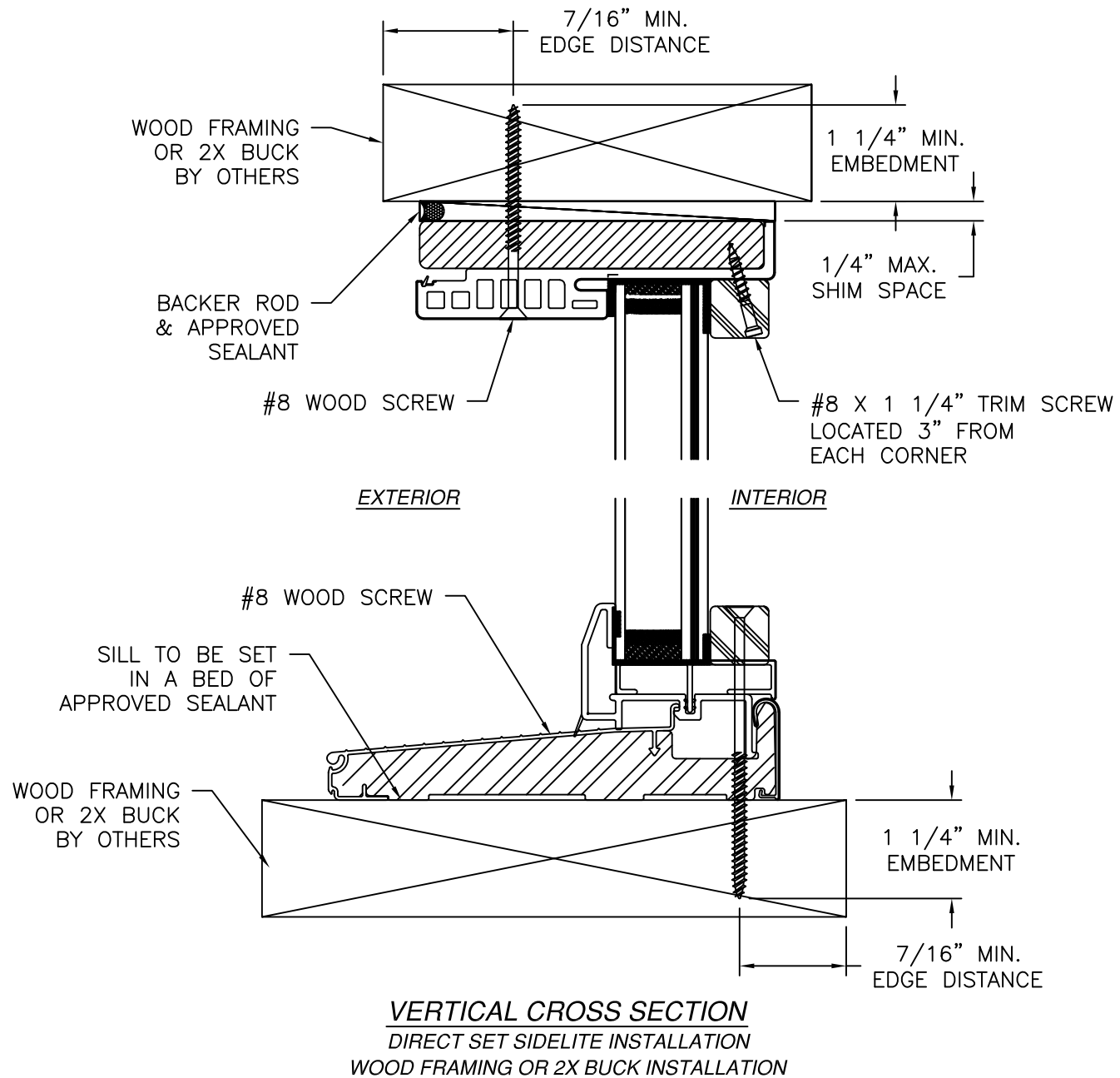
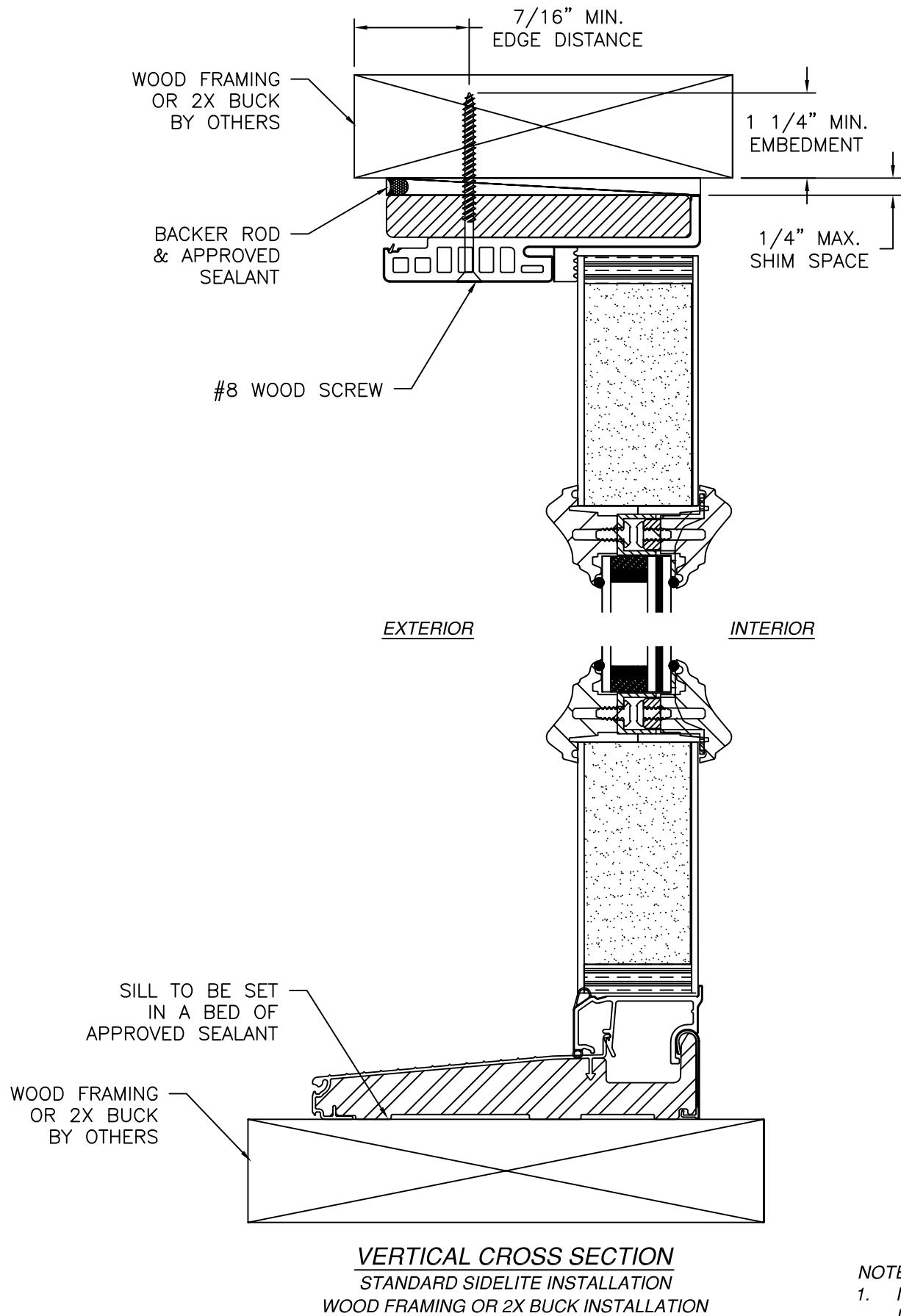
FLORIDA

PROFESSIONAL ENGINEER

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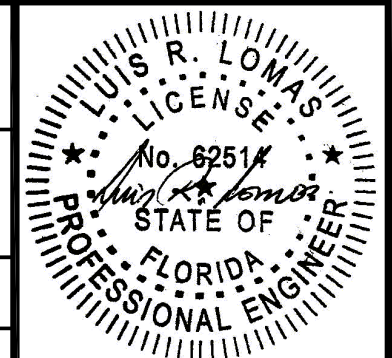
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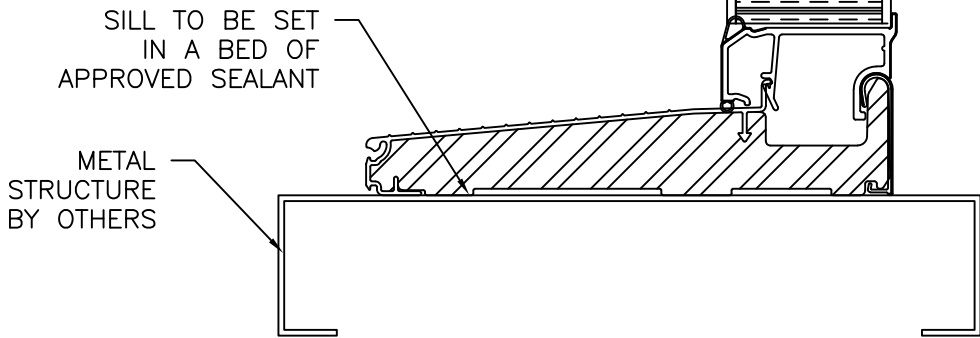
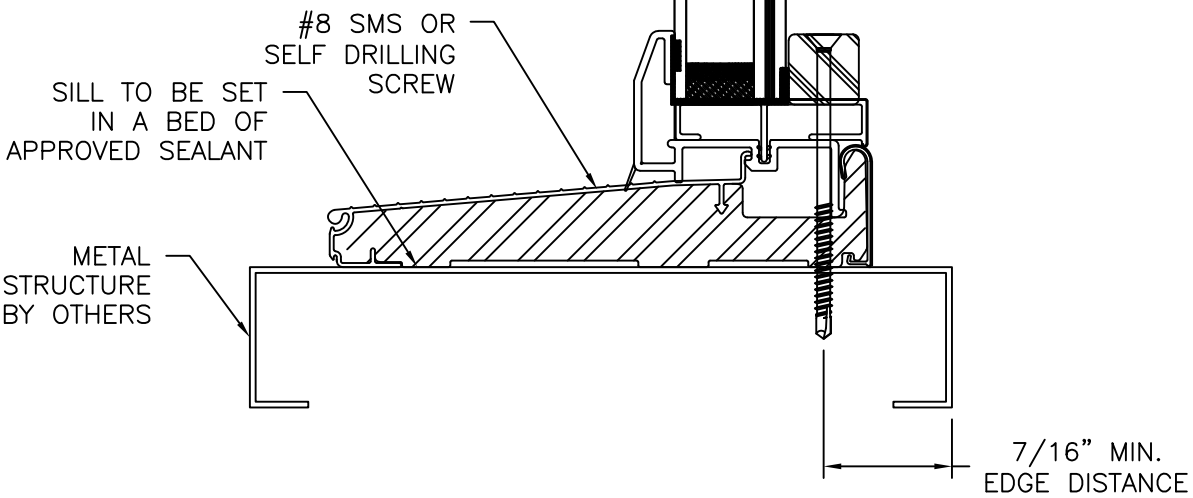
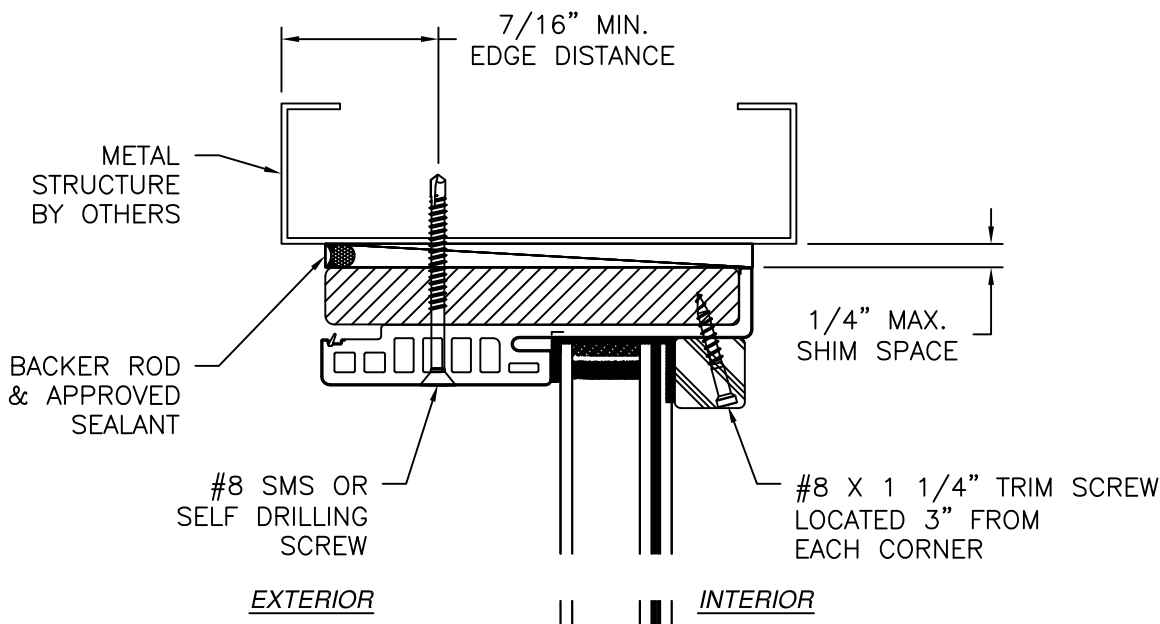
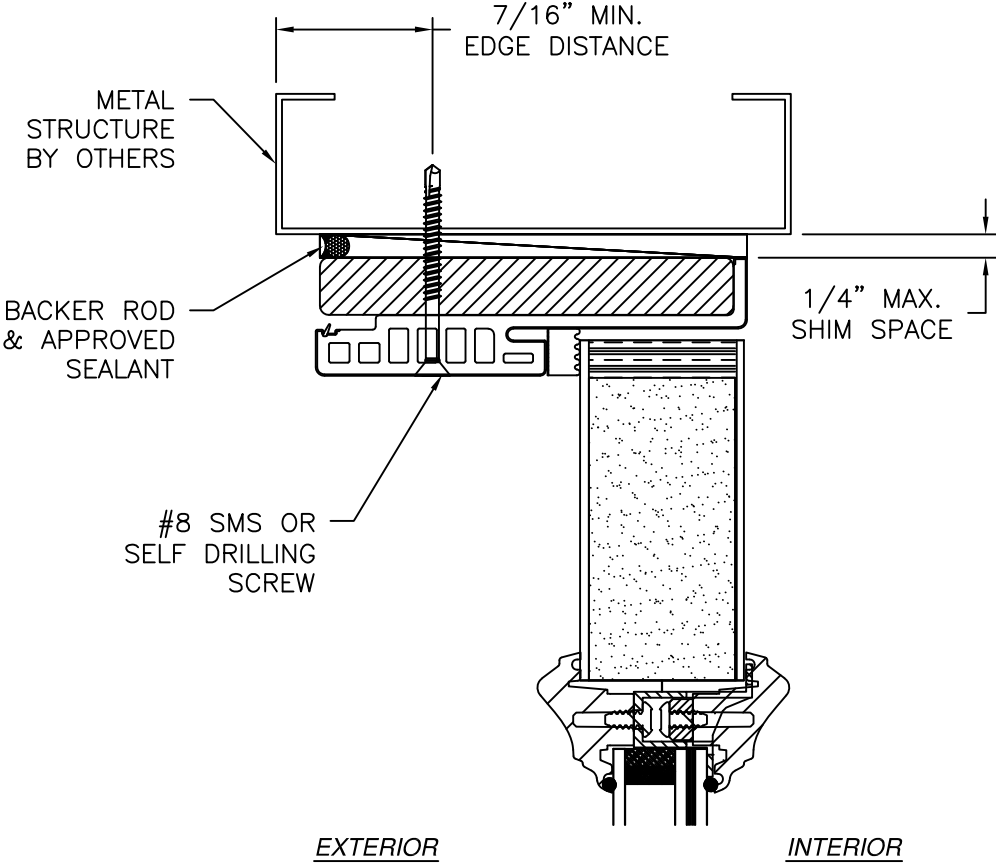
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 8'0" IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: A.R.	DWG NO. 08-03625	REV E
SCALE NTS	DATE 10/14/2020	SHEET 14 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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VERTICAL CROSS SECTION
STANDARD SIDELITE INSTALLATION
METAL STRUCTURE INSTALLATION

VERTICAL CROSS SECTION
DIRECT SET SIDELITE INSTALLATION
METAL STRUCTURE INSTALLATION

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2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

SIGNET INSWING ENTRY DOOR SYSTEM 8'0" IMPACT

INSTALLATION DETAILS W/FUSION FRAME

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DATE 10/14/2020

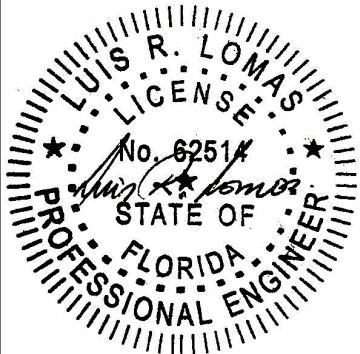
SHEET 15 OF 21

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

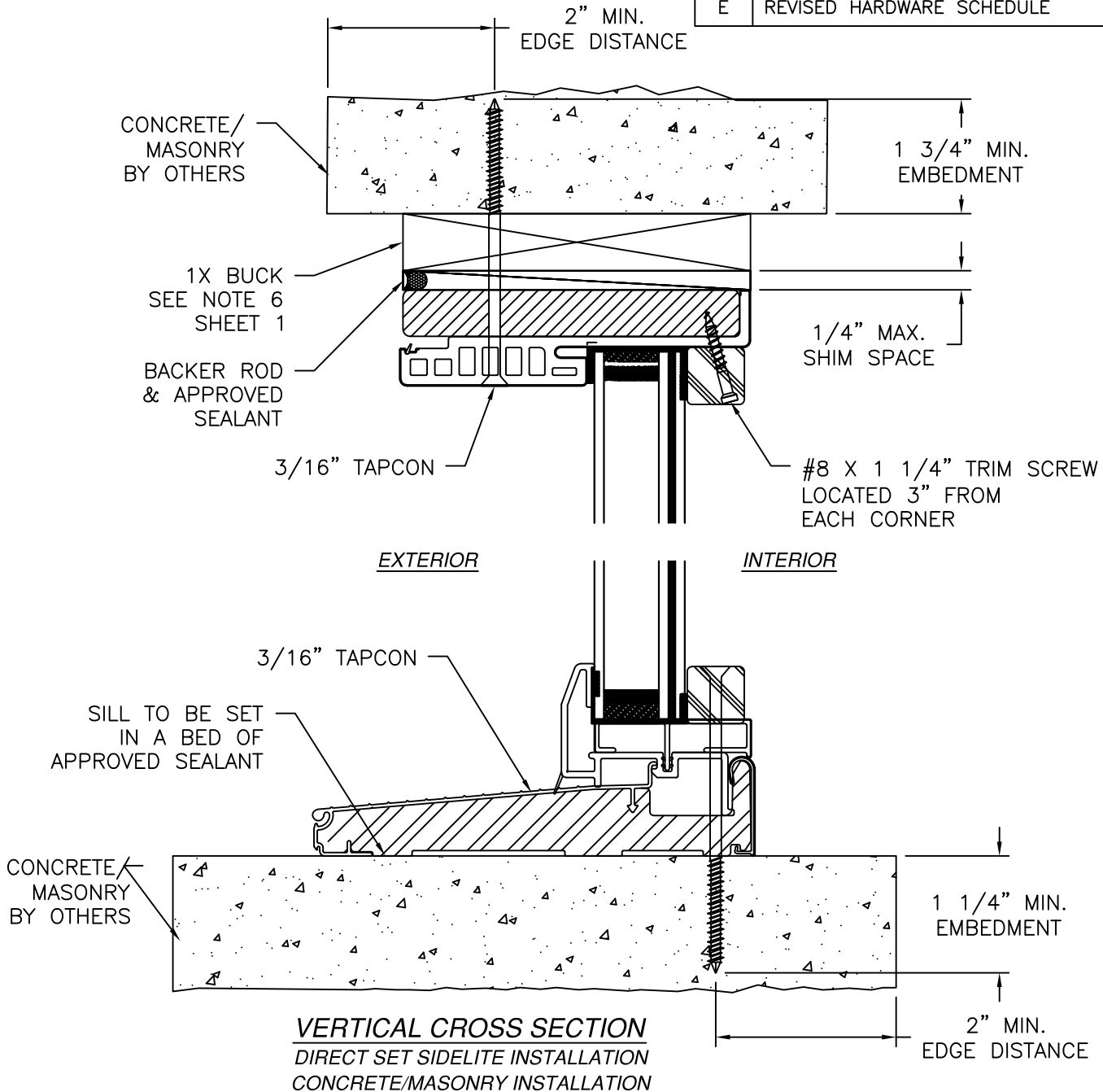
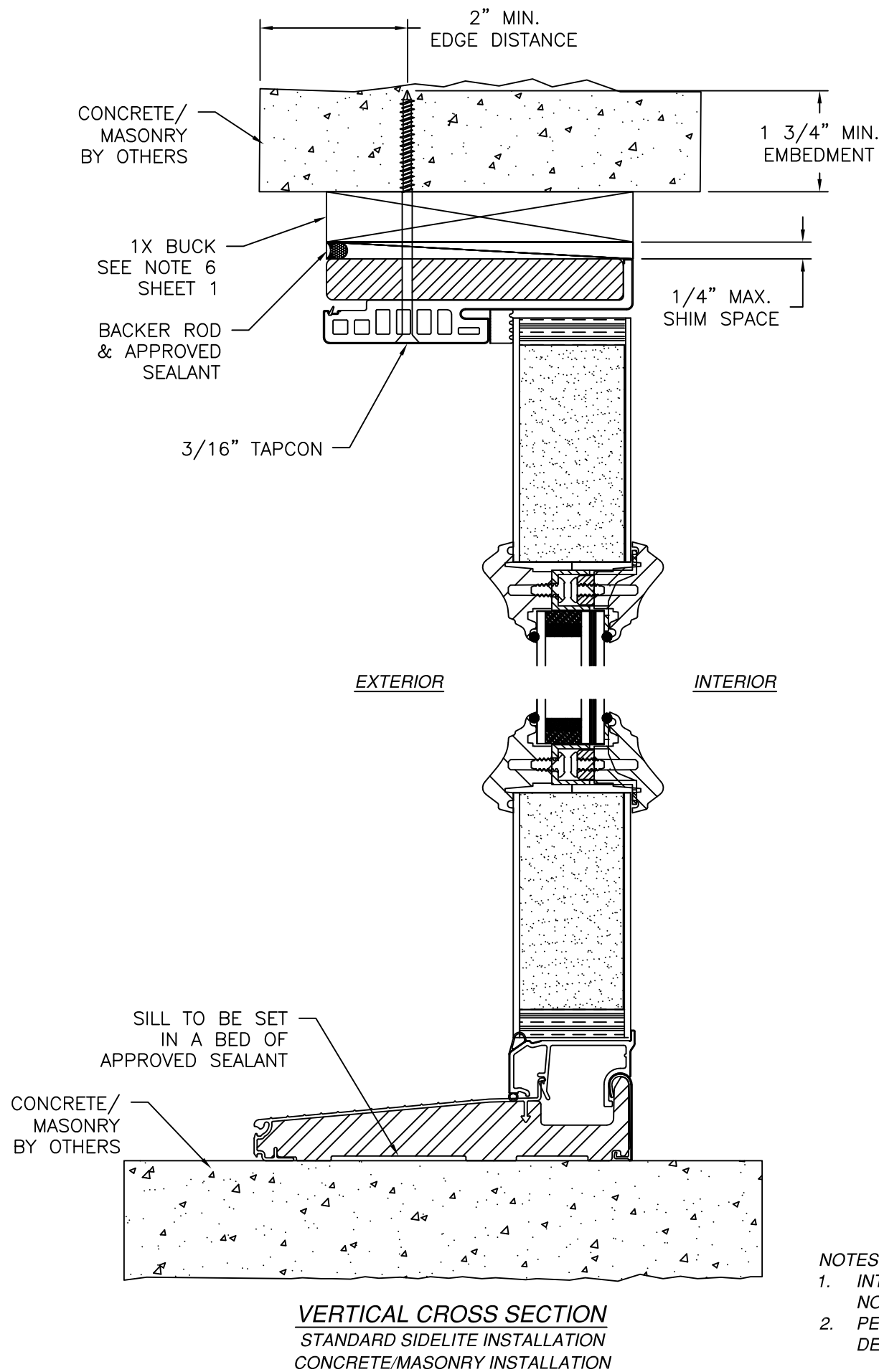
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SUGARCREEK, OH 44681

SIGNET INSWING ENTRY DOOR SYSTEM 8'0" IMPACT

INSTALLATION DETAILS W/FUSION FRAME

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SHEET 16 OF 21

L. ROBERTO LOMAS P.E.

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434-688-0609 rllomas@lrlomaspe.com

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LUIS R. LOMAS

LICENS. M. S.

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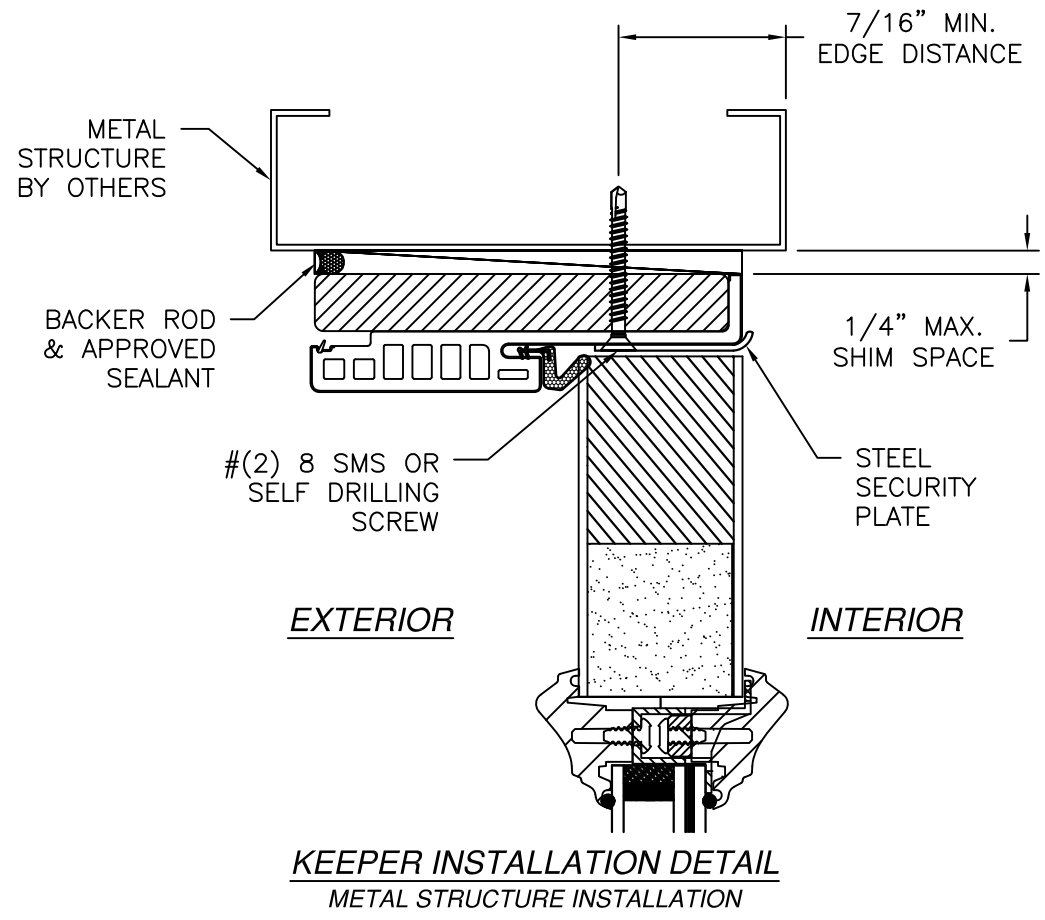
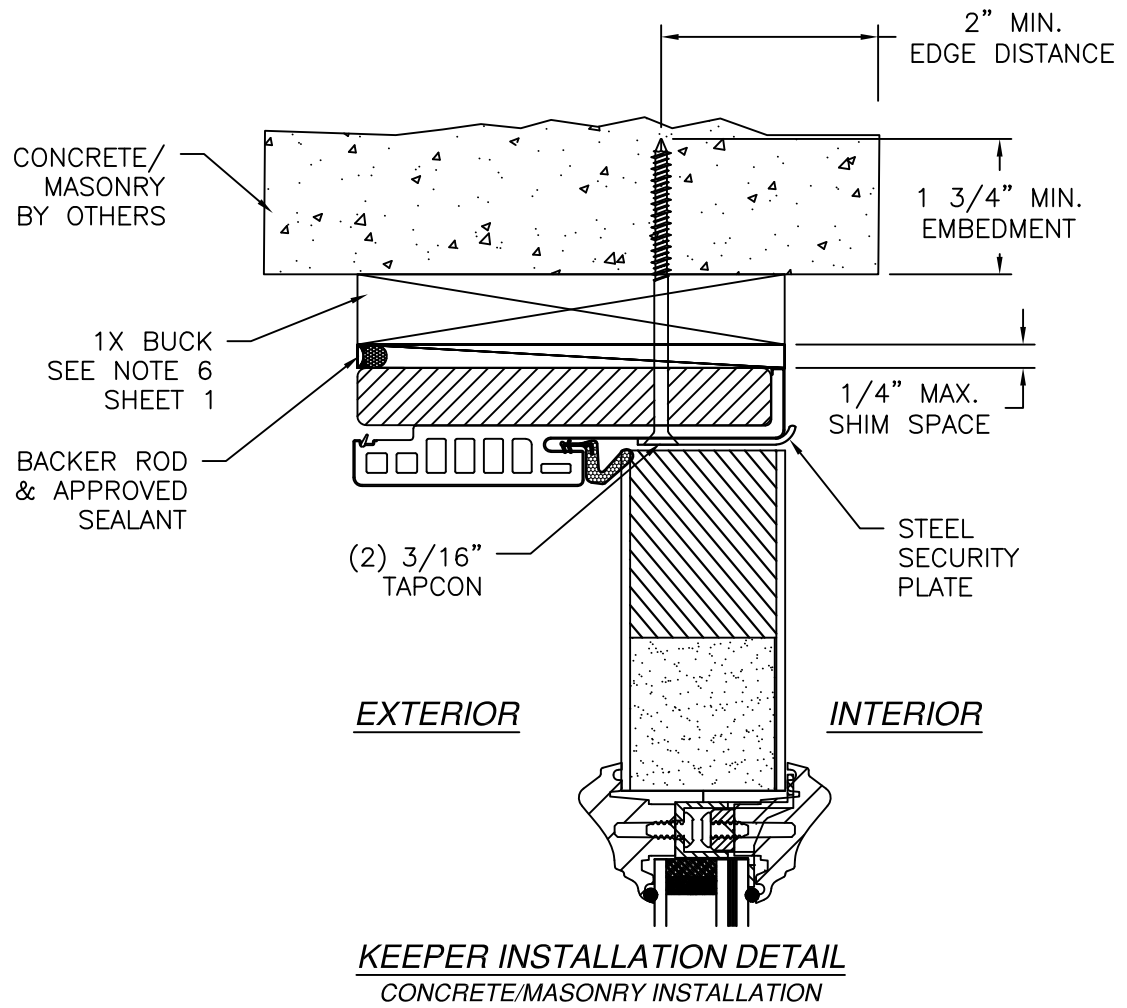
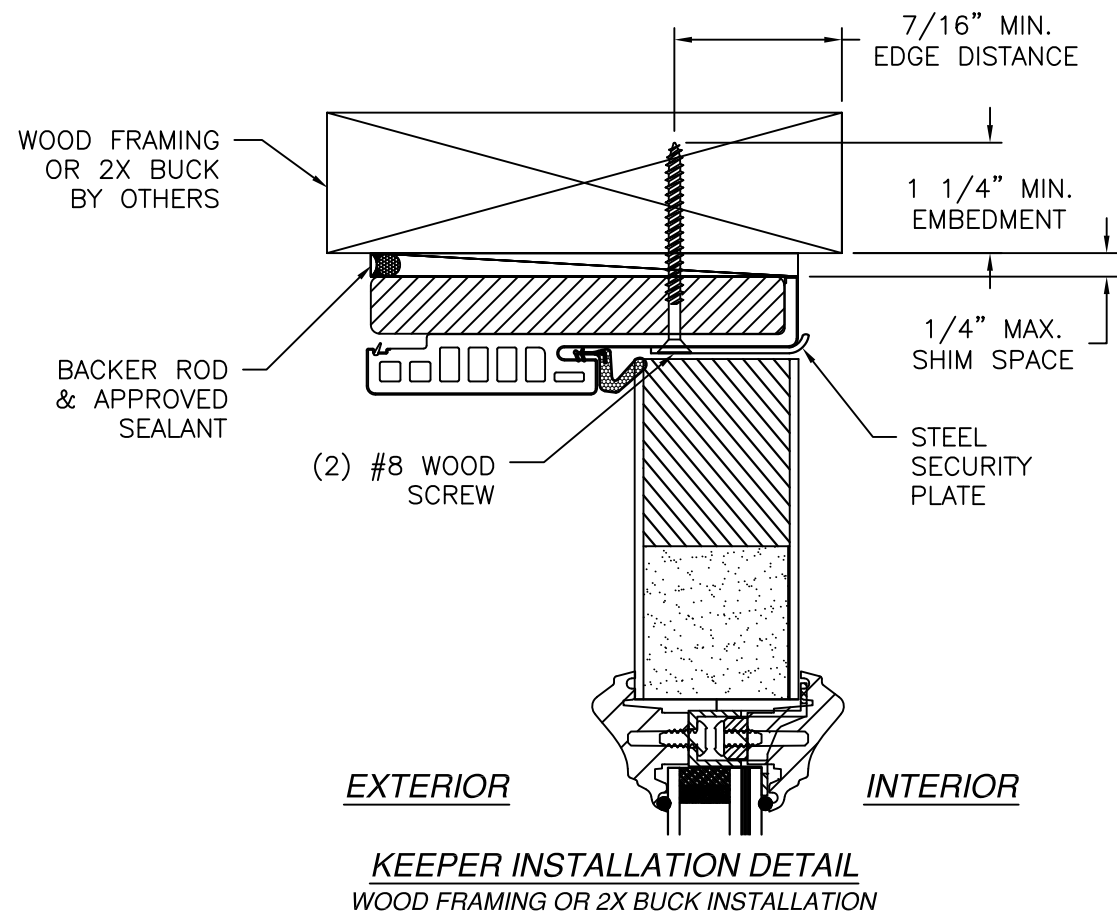
STATE OF FLORIDA

PROFESSIONAL ENGINEER

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SUGARCREEK, OH 44681

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IMPACT

INSTALLATION DETAILS W/FUSION FRAME

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SHEET 17 OF 21

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

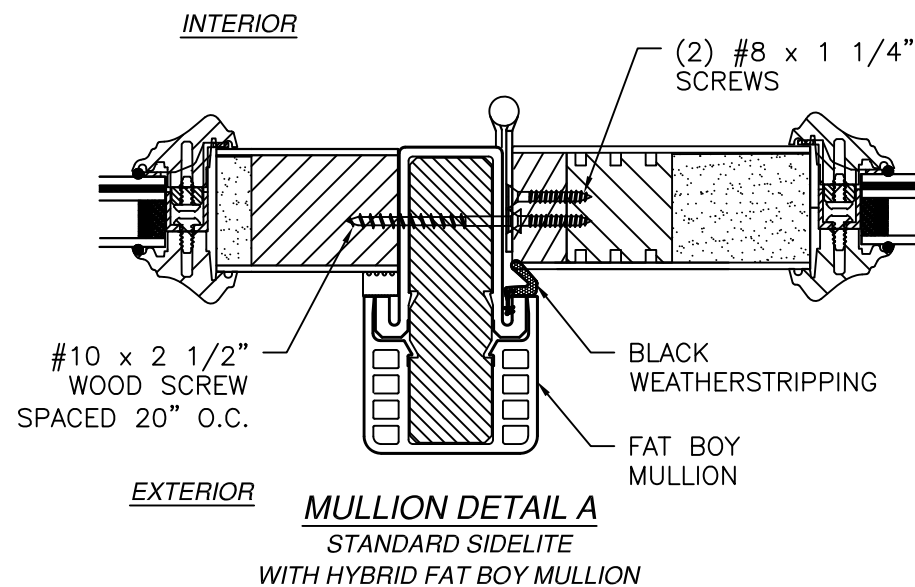
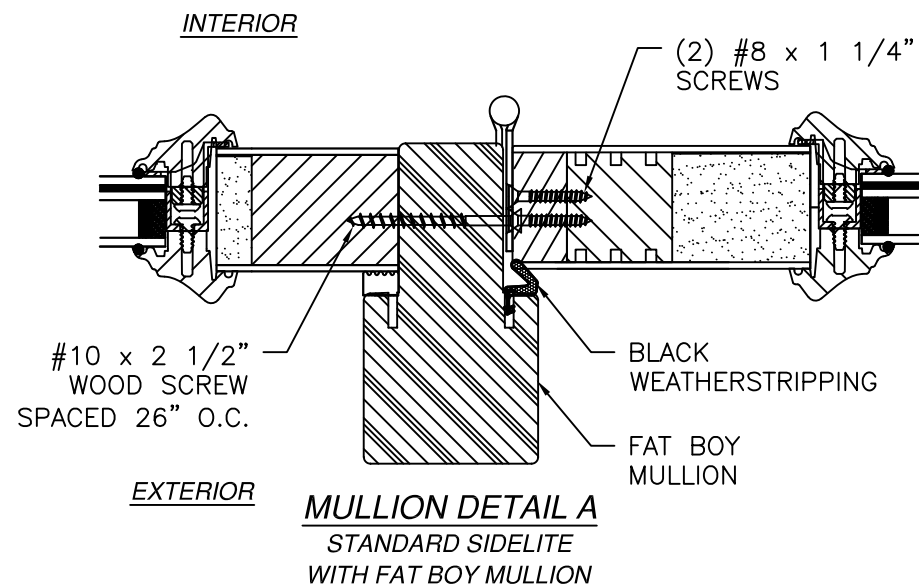
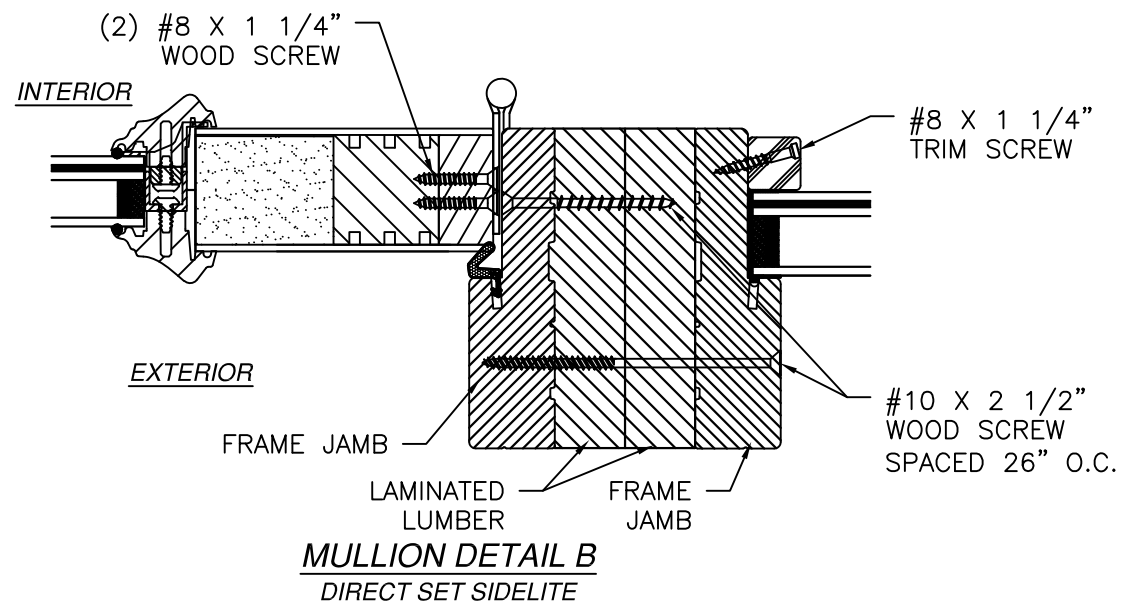
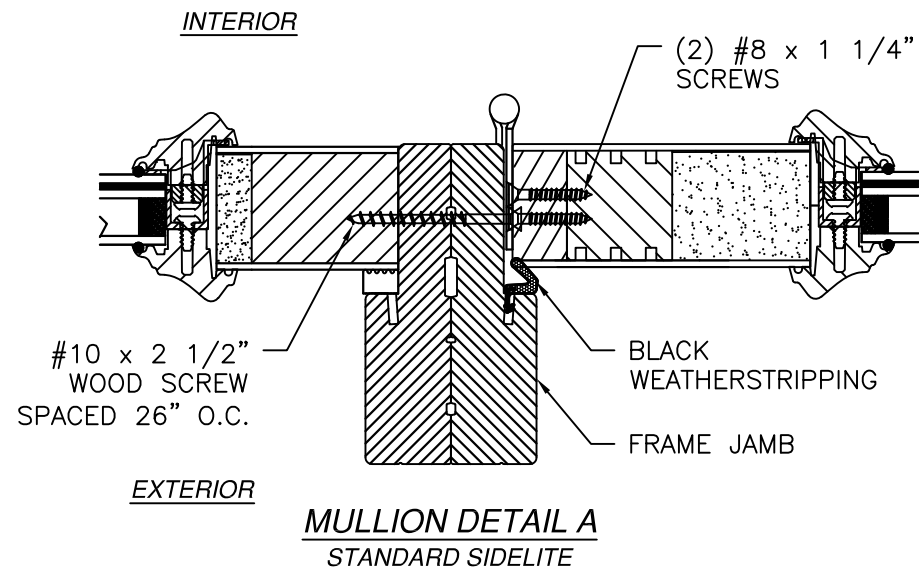
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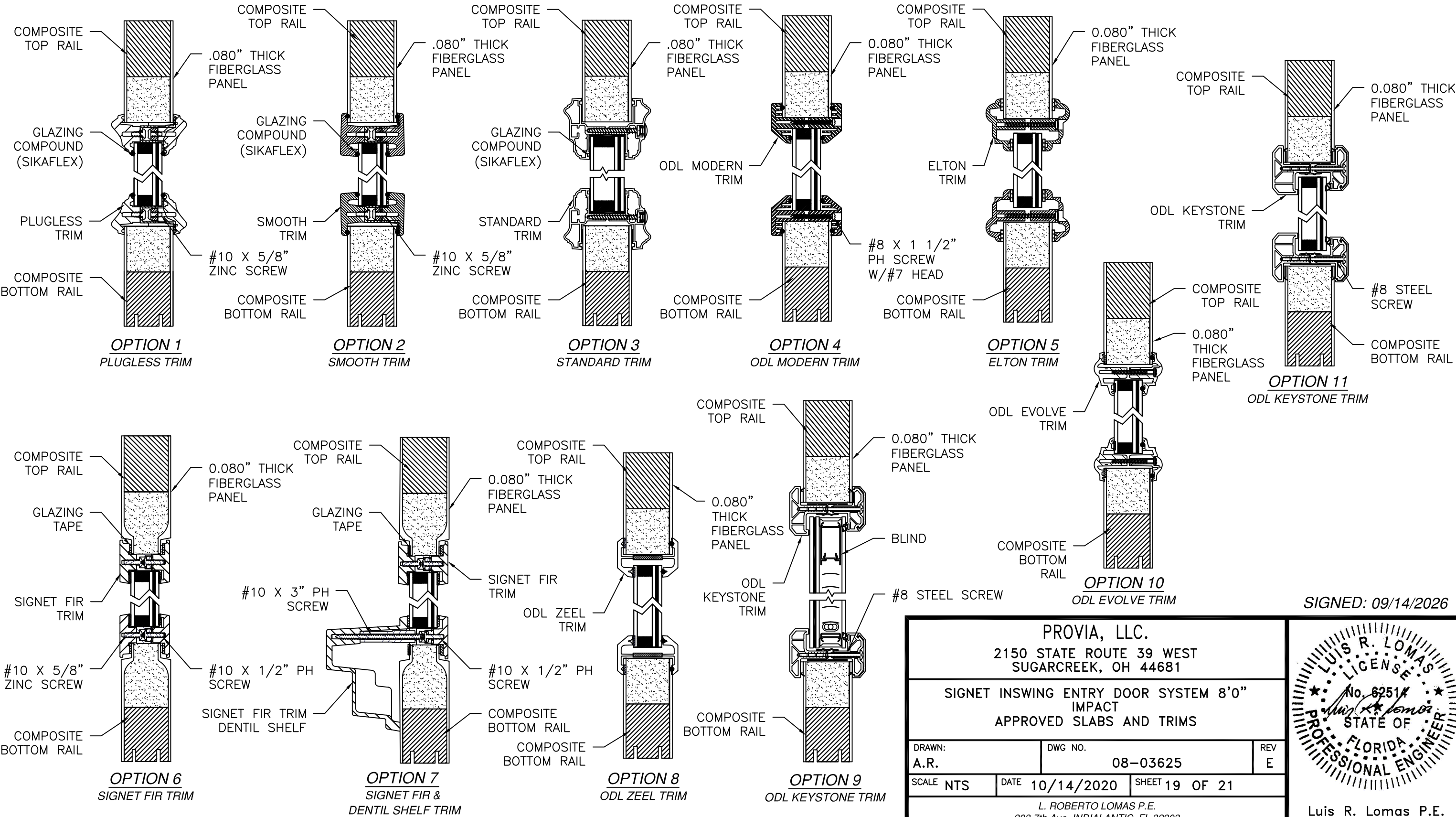
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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 8'0" IMPACT MULLION DETAILS		
DRAWN: A.R.	DWG NO. 08-03625	REV E
SCALE NTS	DATE 10/14/2020	SHEET 18 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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

APPROVED SLABS AND TRIMS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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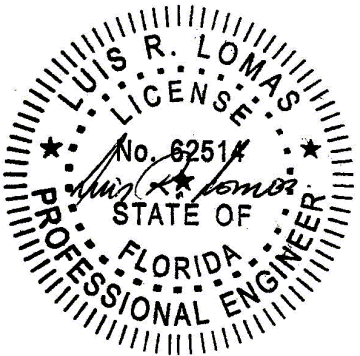
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PROVIA, LLC.
2150 STATE ROUTE 39 WEST
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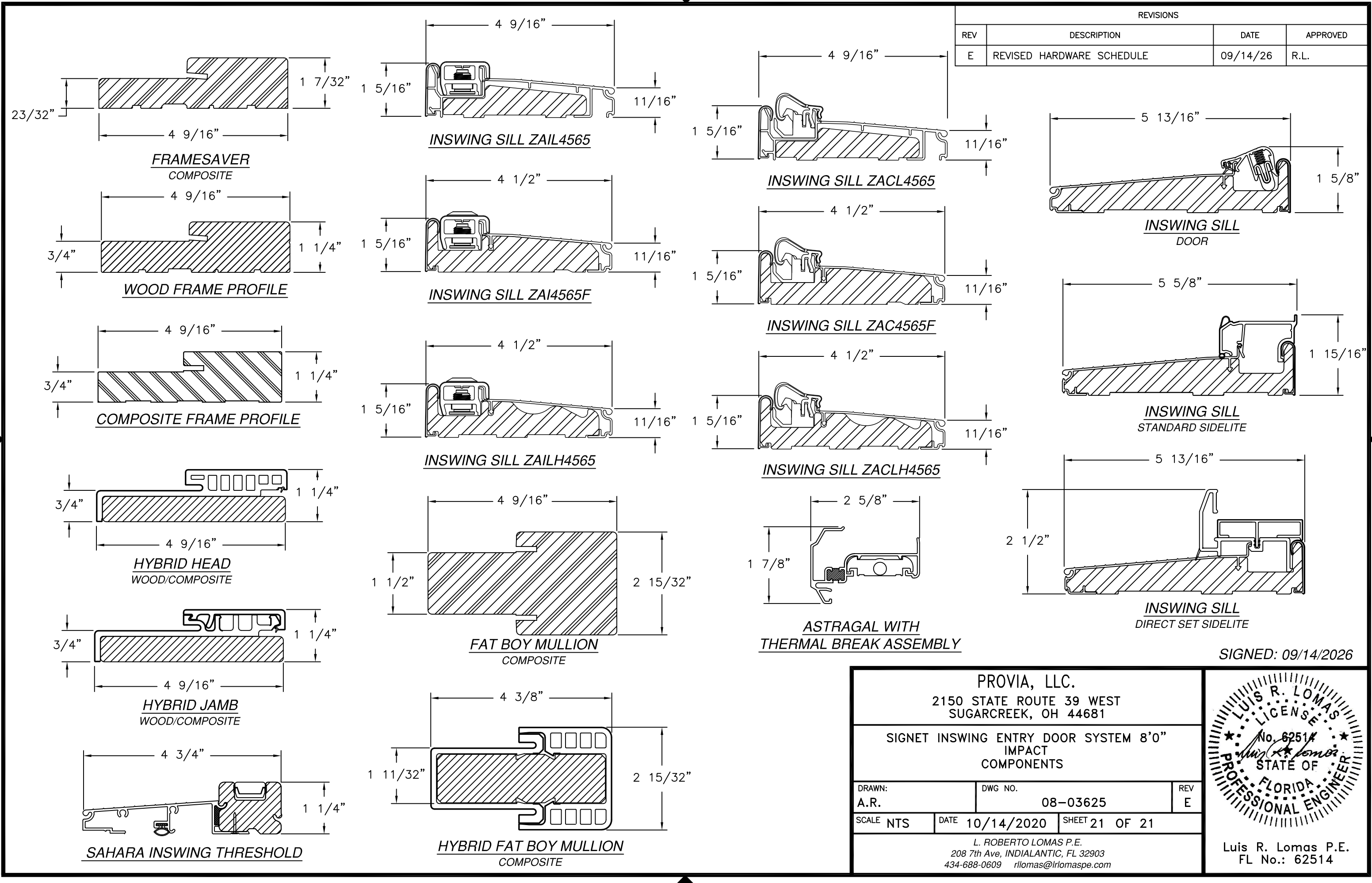
SIGNET INSWING ENTRY DOOR SYSTEM 8'0"
IMPACT
APPROVED SLABS AND TRIMS

DRAWN: A.R.	DWG NO. 08-03625	REV E
SCALE NTS	DATE 10/14/2020	SHEET 19 OF 21

L. ROBERTO LOMAS P.E.
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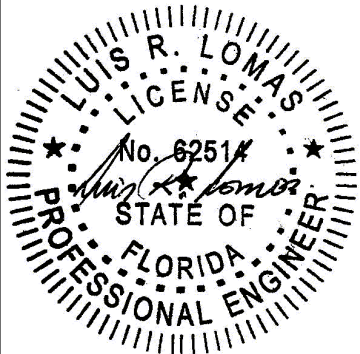
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PROVIA, LLC.
2150 STATE ROUTE 39 WEST
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SIGNET INSWING ENTRY DOOR SYSTEM 8'0"
IMPACT
COMPONENTS

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SCALE NTS	DATE 10/14/2020	SHEET 21 OF 21

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