

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISE TO ADD ODL KEystone TRIM	08/21/2024	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

SIGNED: 08/27/2024

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20	GLAZING DETAILS
21	COMPONENTS

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

SIGNET INSWING ENTRY DOOR SYSTEM 6’8”
W/PLUGLESS TRIM – IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08–03623

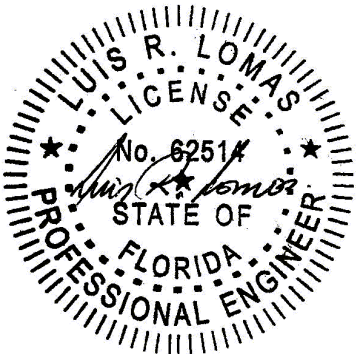
REV
D

SCALE NTS

DATE 10/07/2020

SHEET 1 OF 21

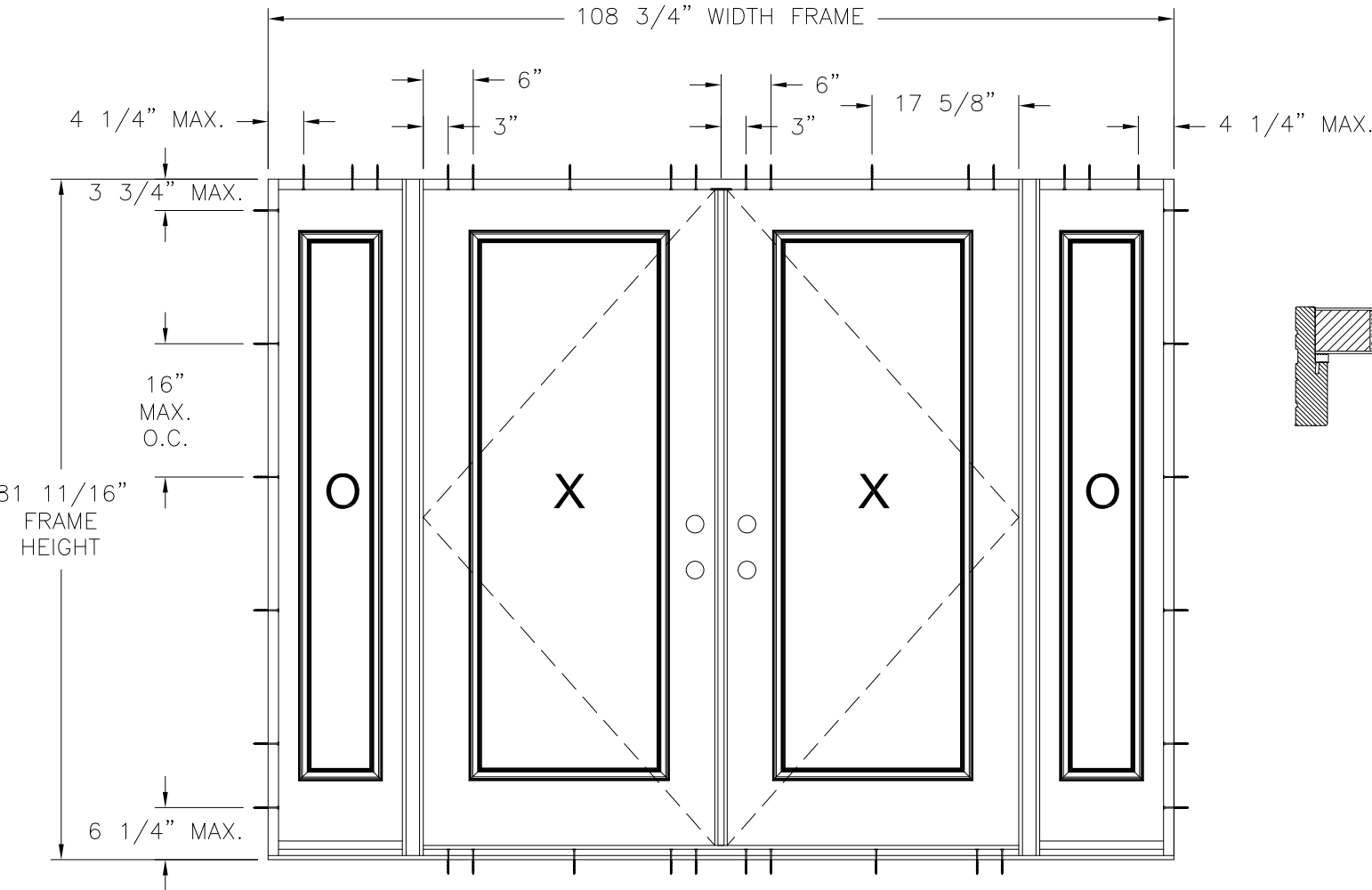
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



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



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SIGNET IS DOOR WITH PLUGLESS TRIM
EXTERIOR VIEW

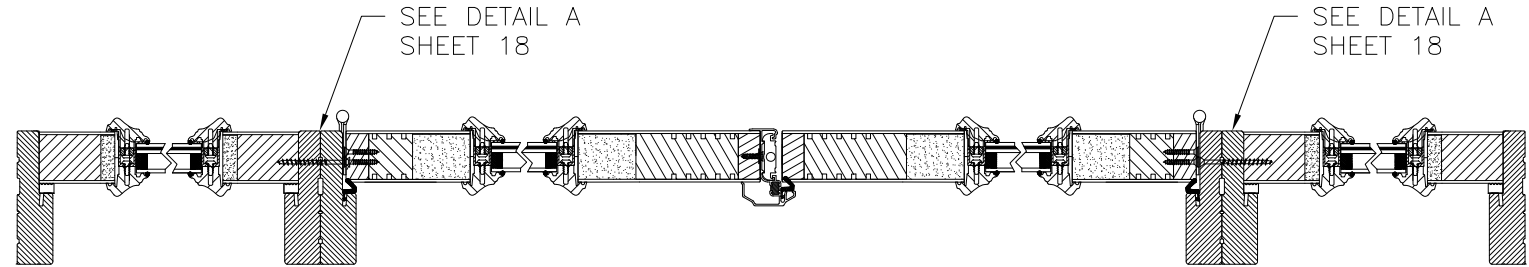
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	

MISSILE LEVEL D, WIND ZONE 3
35 3/4" X 79" PANEL SHOWN. OTHER SIZES ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 19.61 FT²

- NOTES:
1. DOOR PANEL SIZE: 35 3/4" X 79"
 2. SIDELITE PANEL SIZE: 15 7/8" X 79"
 3. DOOR PANEL D.L.O.: 21 1/8" X 63 1/16"
 4. SIDELITE PANEL D.L.O.: 7" X 63 1/16"

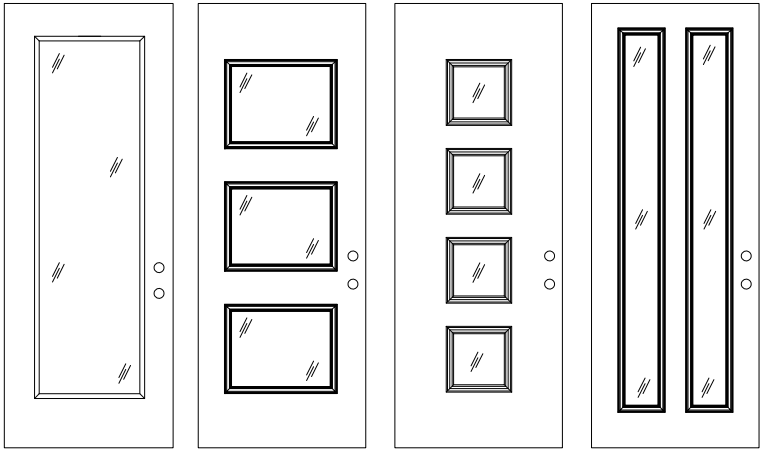
HARDWARE SCHEDULE

A.	(1) KEYED DOORKNOB LOCKING ASSEMBLY AT ACTIVE LEAF, STRIKE RAIL 33" 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 SPACED WITH ONE 7" IN FROM THE TOP AND 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 LOCK ASSEMBLY DOOR KNOB BY SCHLAGE
F.	B-SERIES DEADBOLT ASSEMBLY BY SHLAGE
G.	F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
H.	RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE)
I.	MULTI-POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM (ALTERNATE)
J.	PANOLOCK MULTI-POINT LOCK ASSEMBLY (ALTERNATE)



HORIZONTAL CROSS SECTION

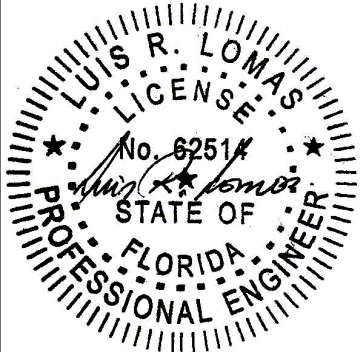
APPROVED LITE CONFIGURATIONS



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

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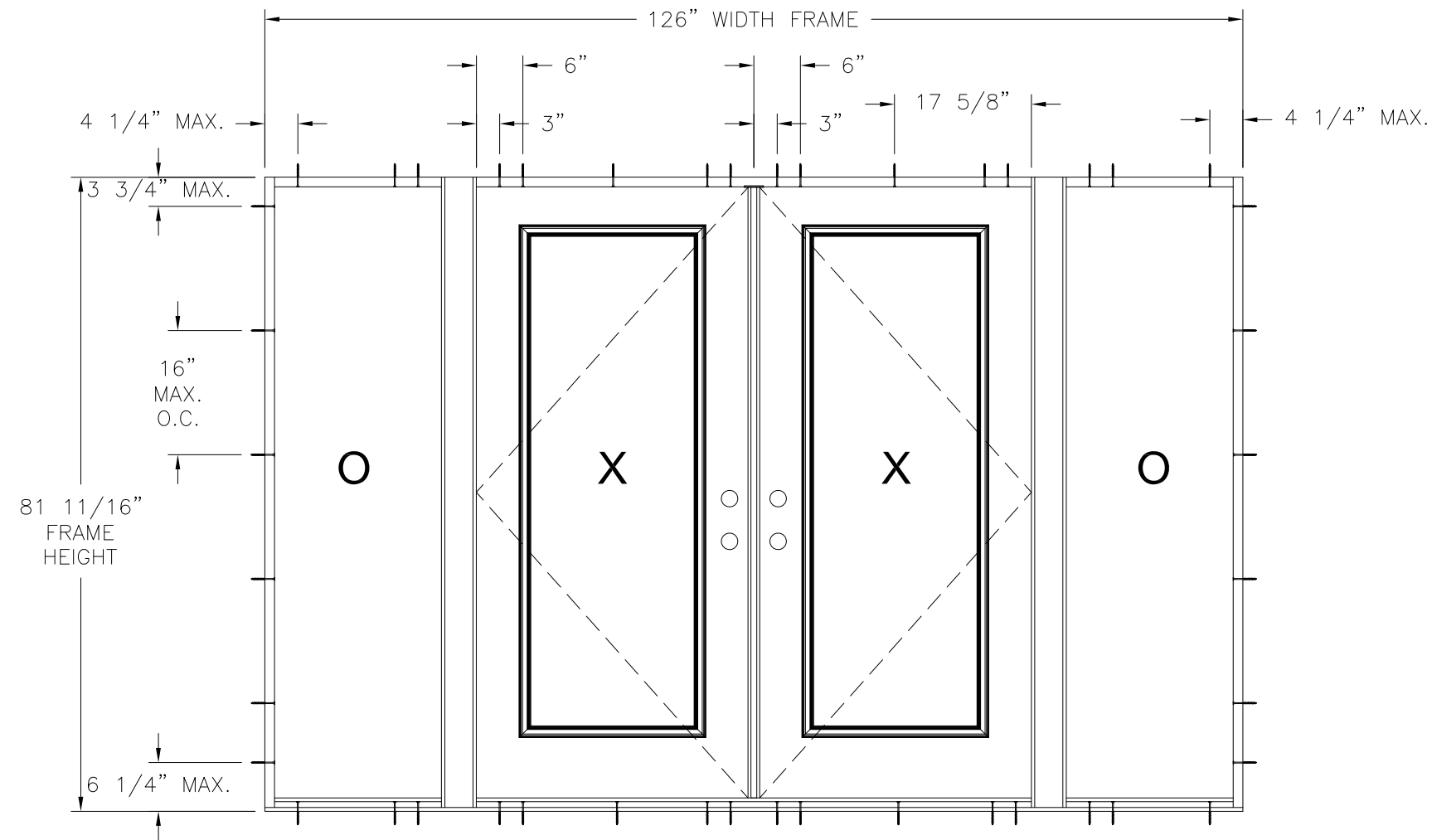
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM - IMPACT ELEVATION		
DRAWN: A.R.	DWG NO. 08-03623	REV D
SCALE NTS	DATE 10/07/2020	SHEET 2 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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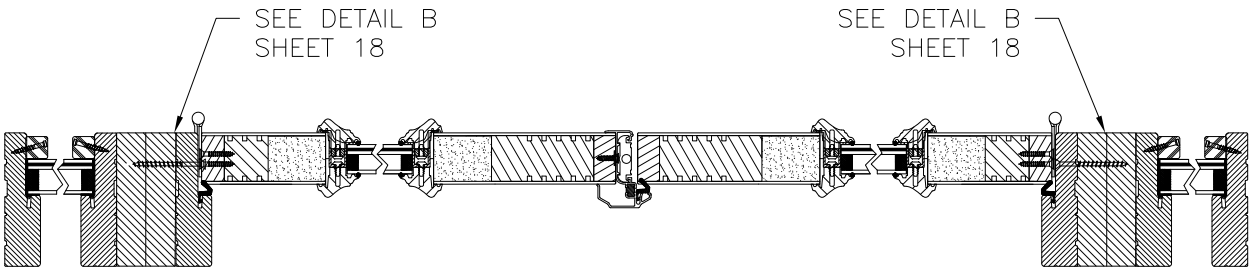
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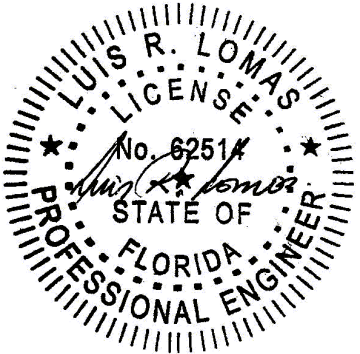
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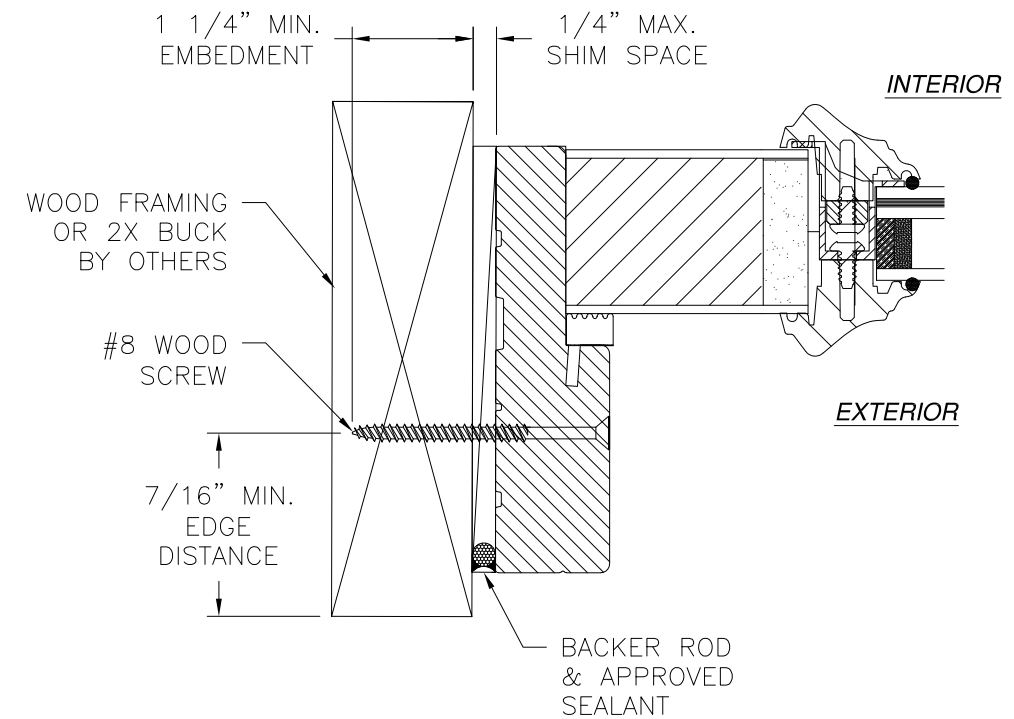
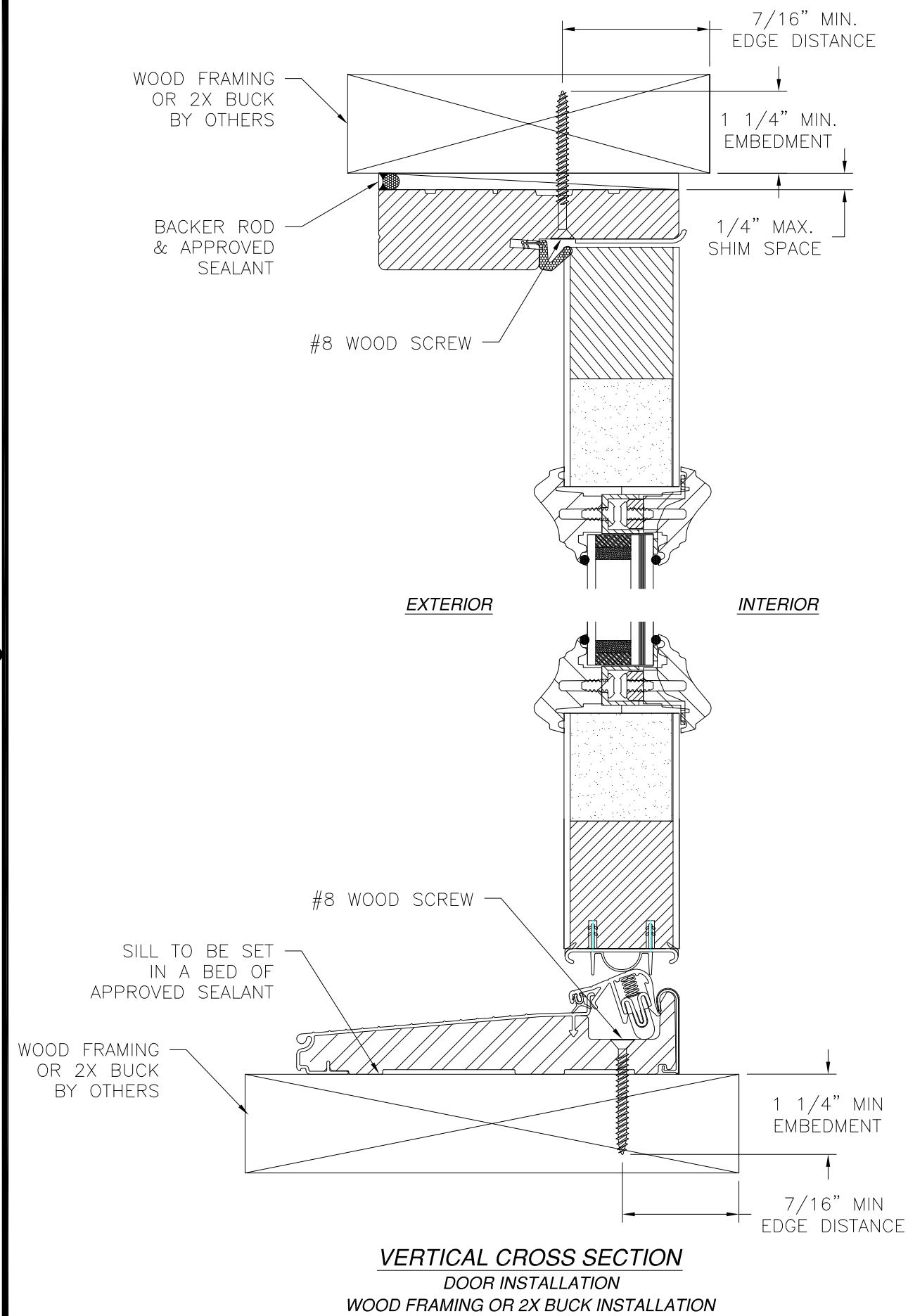
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SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM – IMPACT ELEVATION		
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SCALE NTS	DATE 10/07/2020	SHEET 3 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

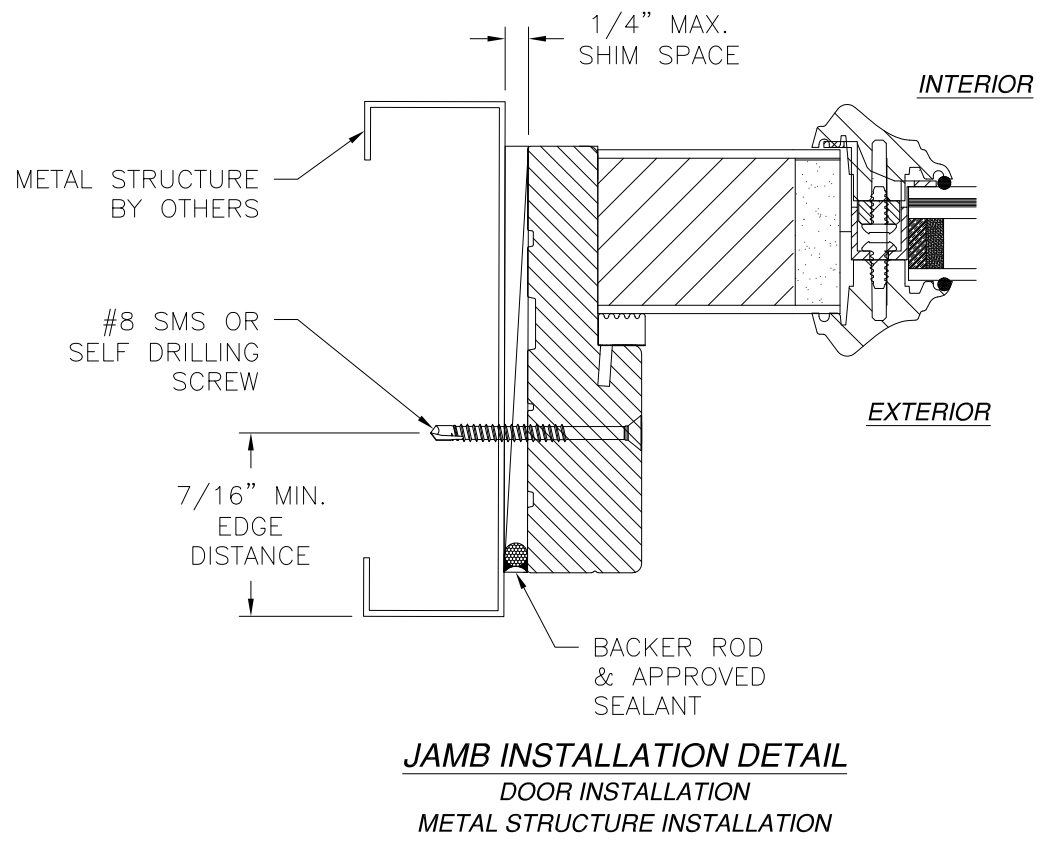
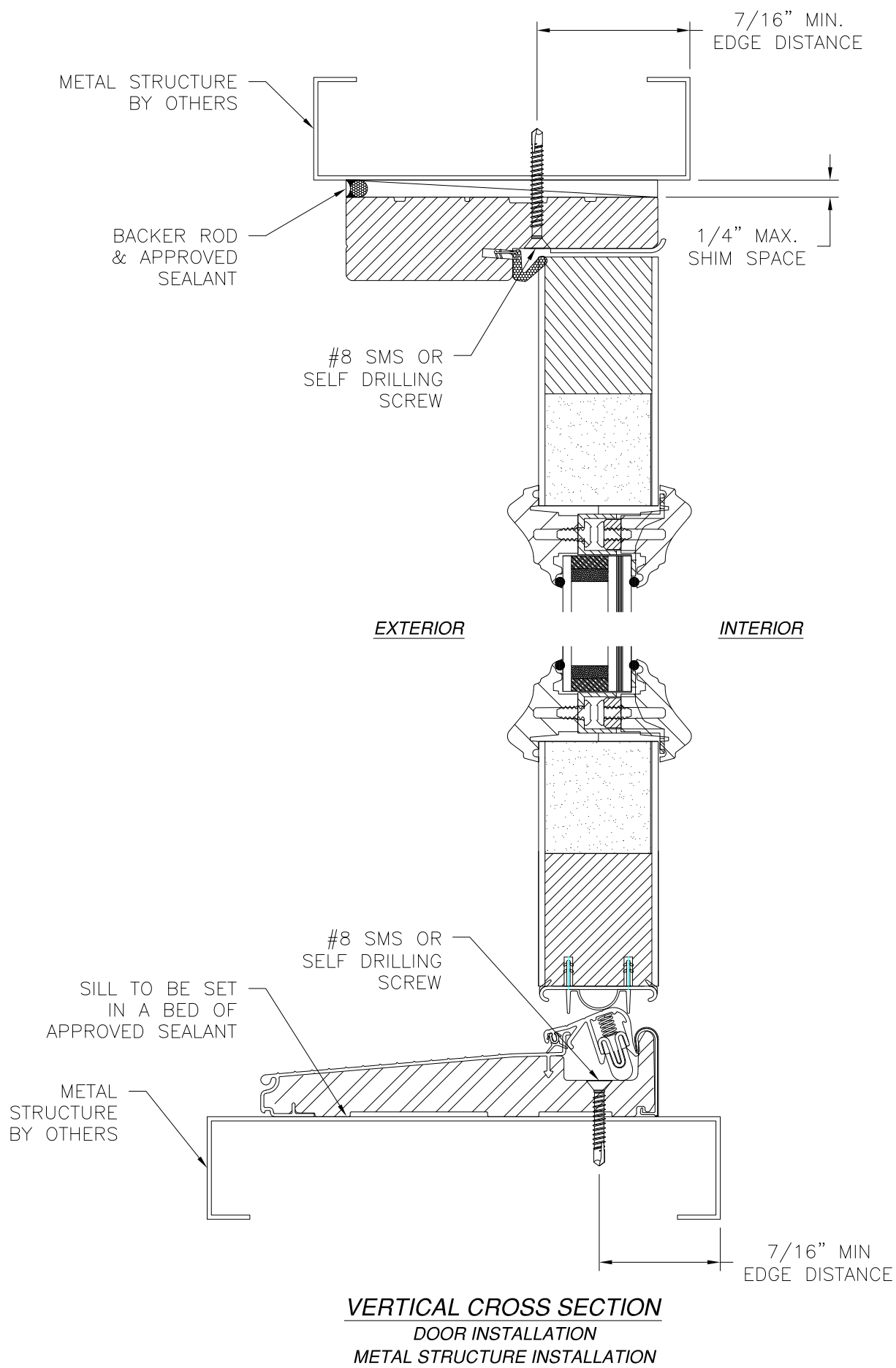
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 08/27/2024

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SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM - IMPACT INSTALLATION DETAILS		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

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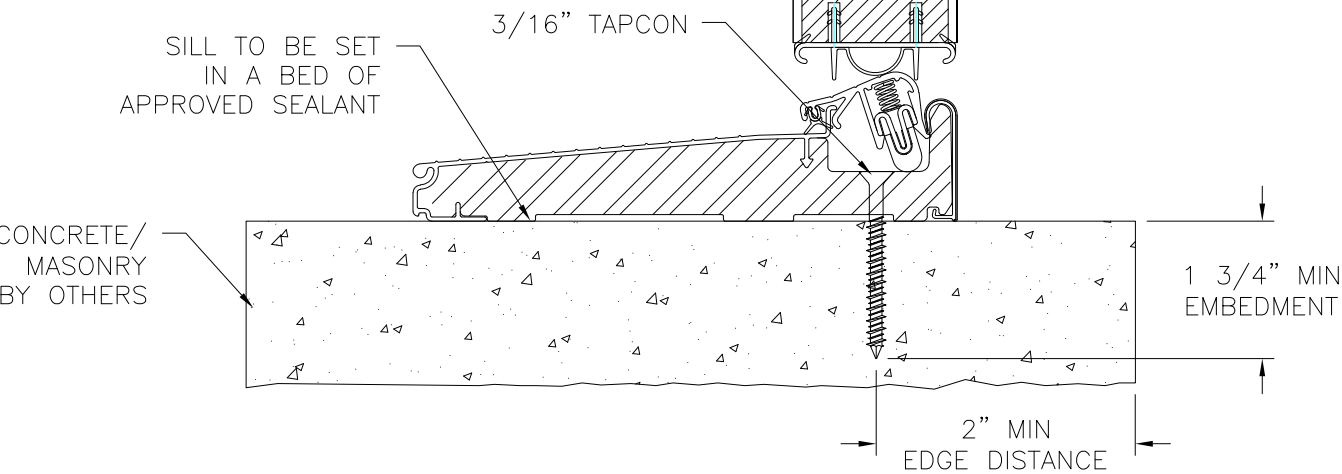
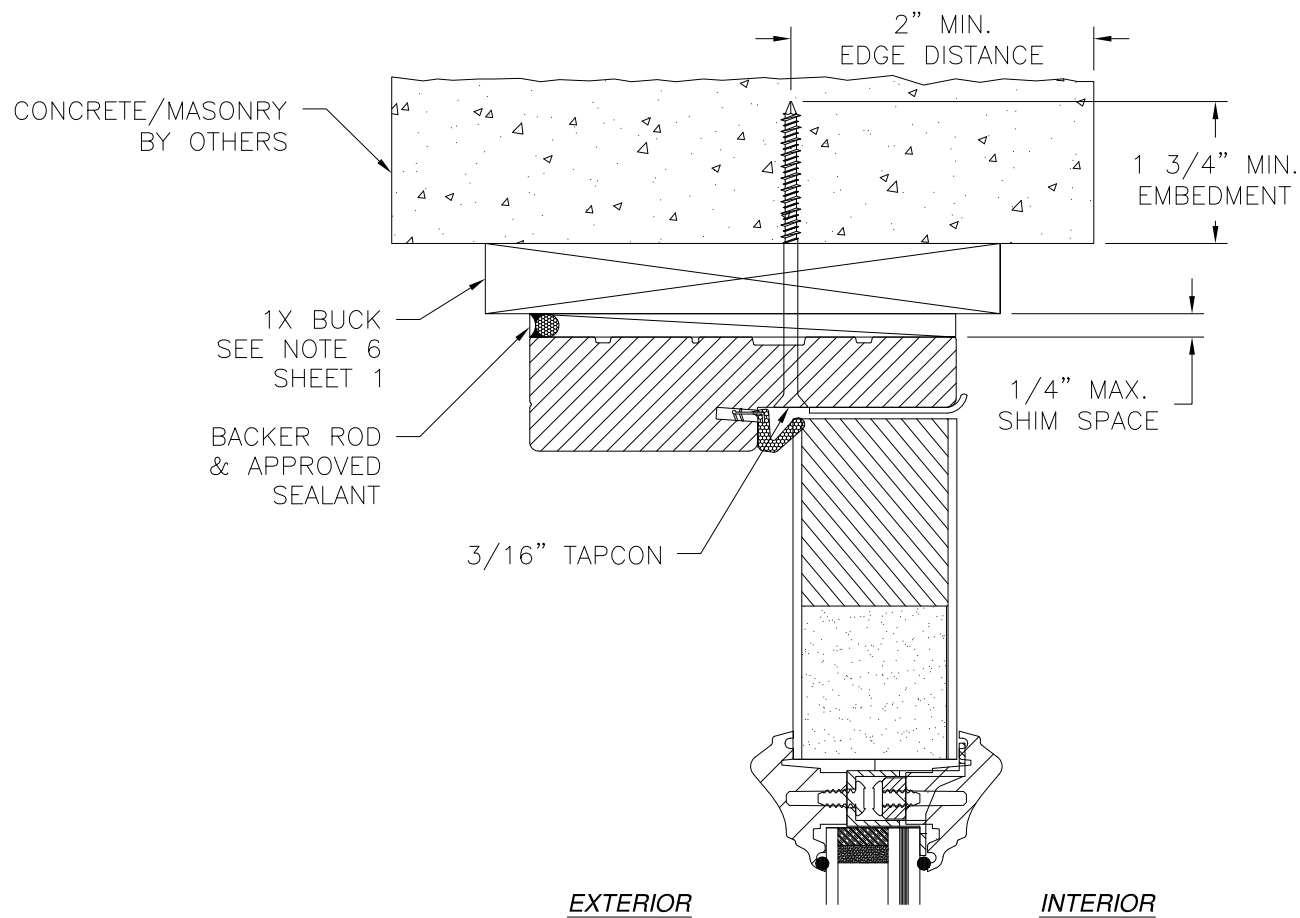
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W/PLUGLESS TRIM – IMPACT
INSTALLATION DETAILS

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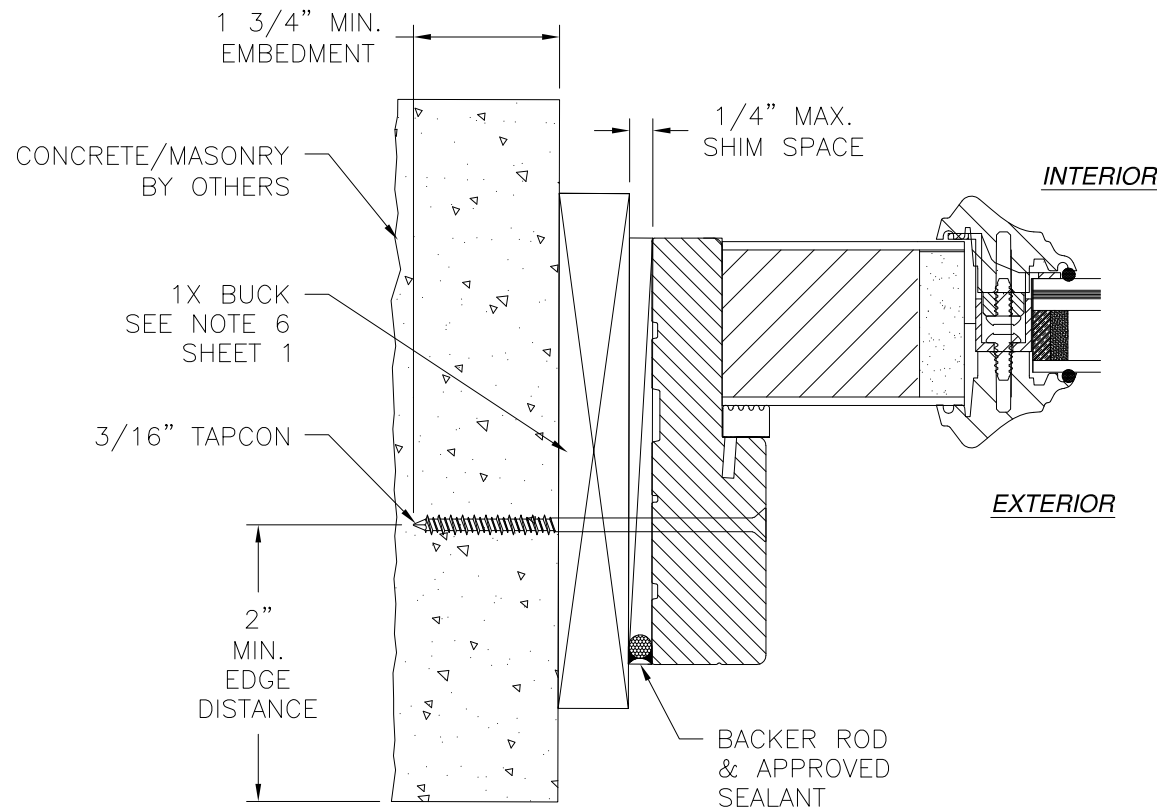
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LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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



VERTICAL CROSS SECTION
DOOR INSTALLATION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
DOOR INSTALLATION
CONCRETE/MASONRY INSTALLATION

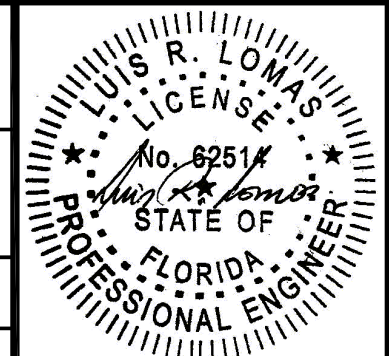
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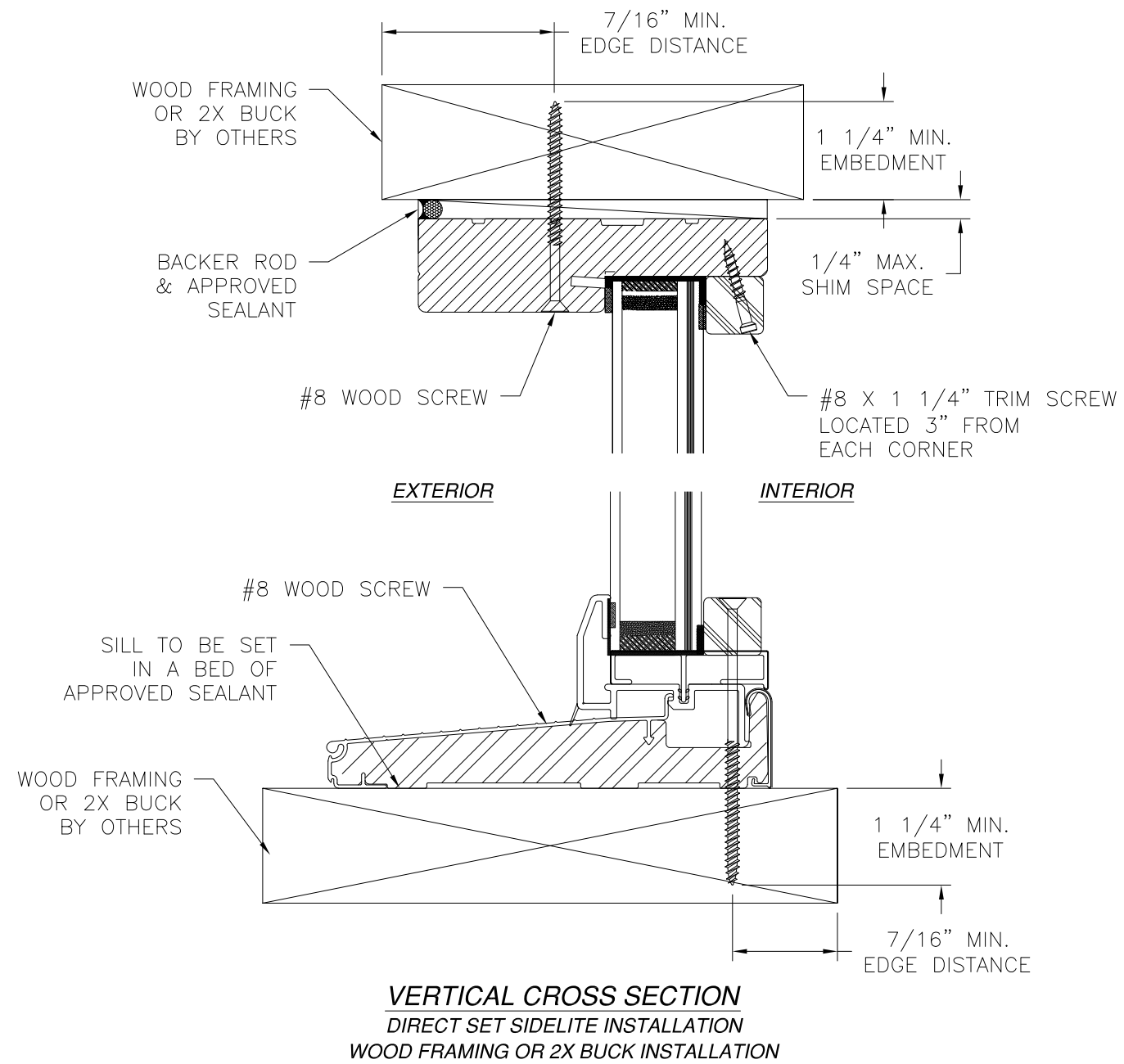
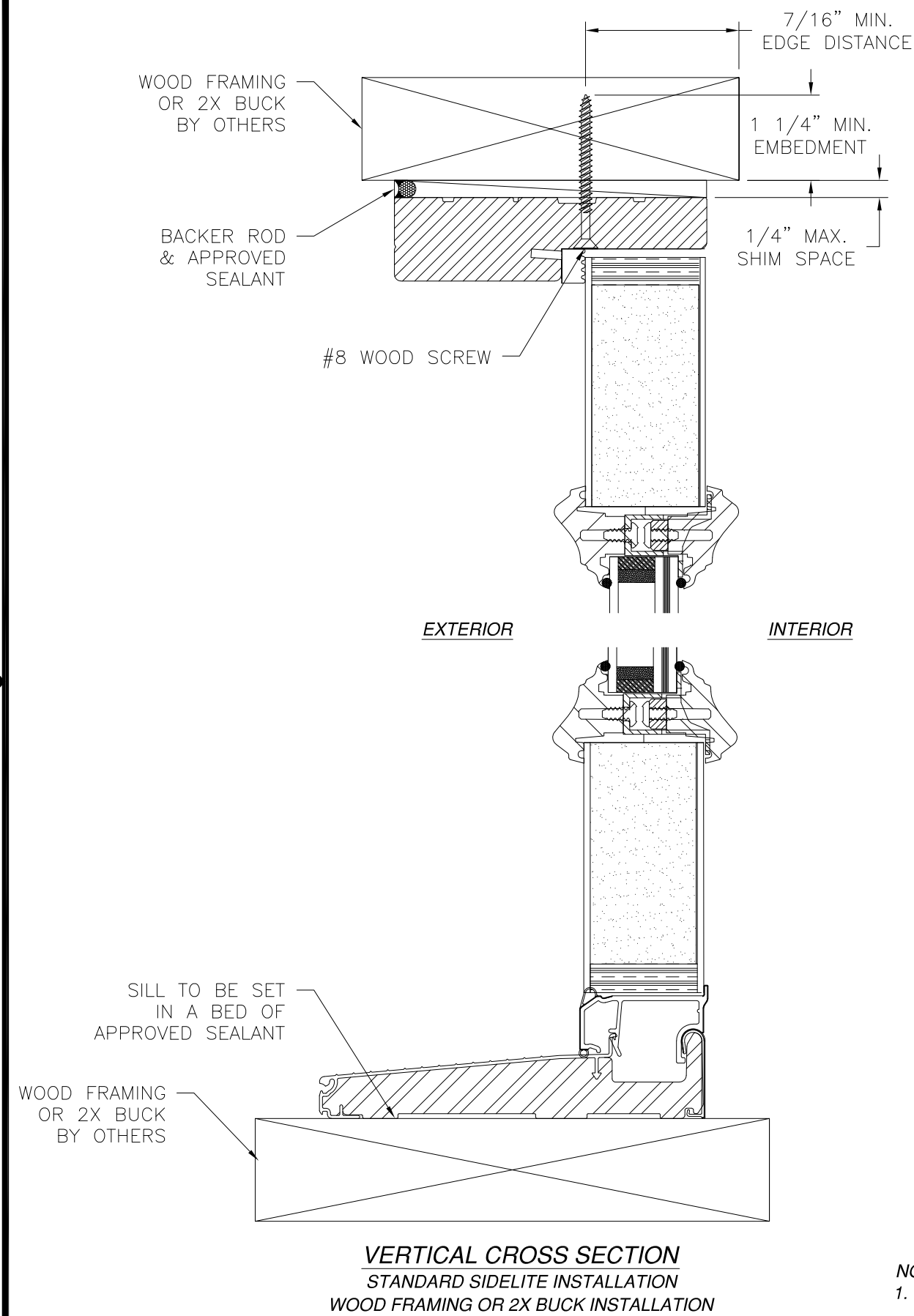
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PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

SIGNET INSWING ENTRY DOOR SYSTEM 6'8"
W/PLUGLESS TRIM – IMPACT
INSTALLATION DETAILS

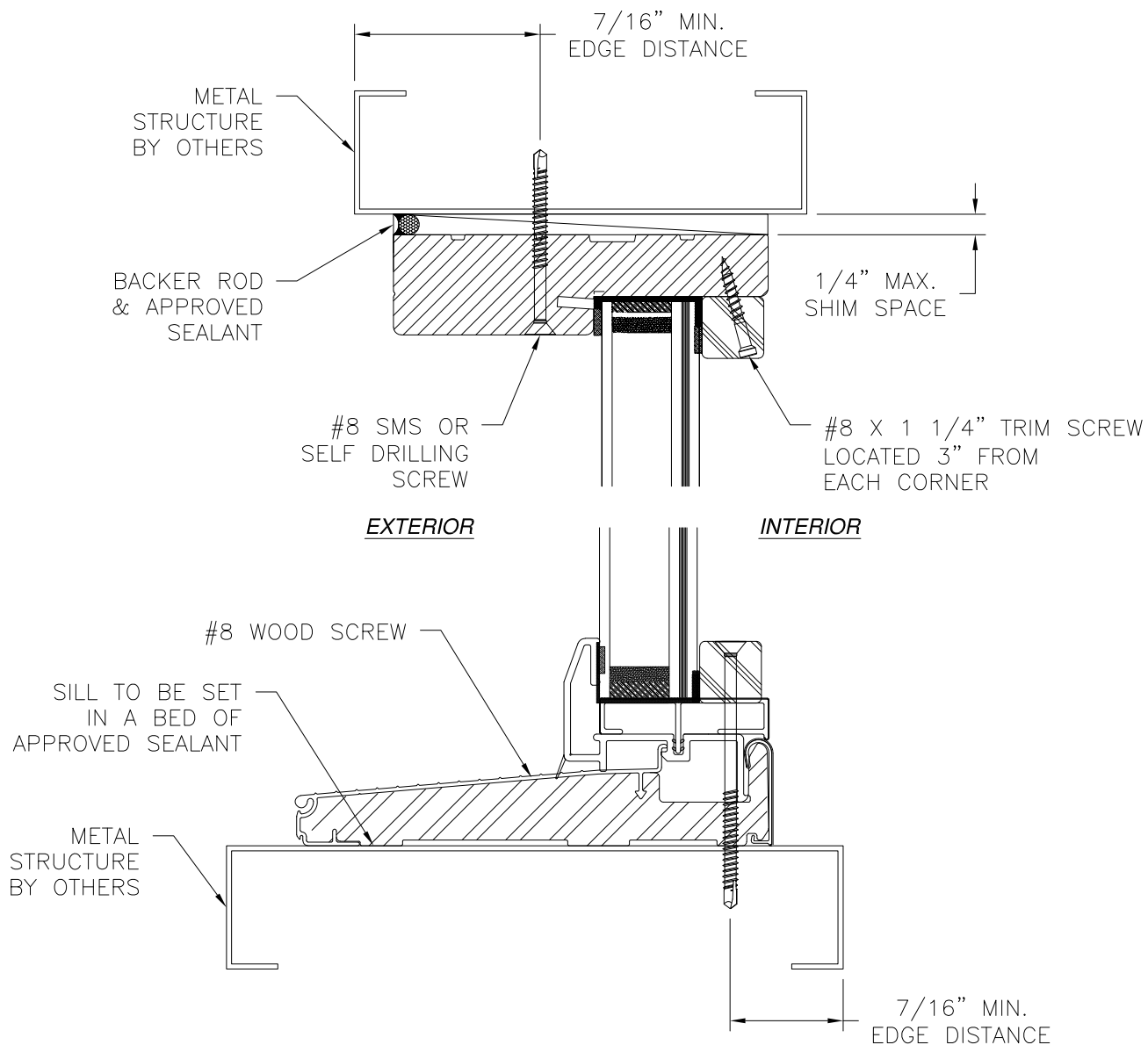
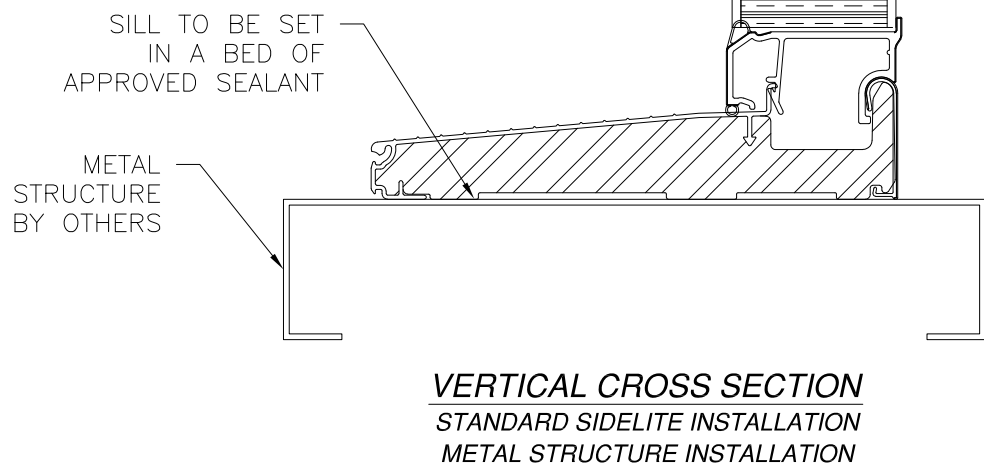
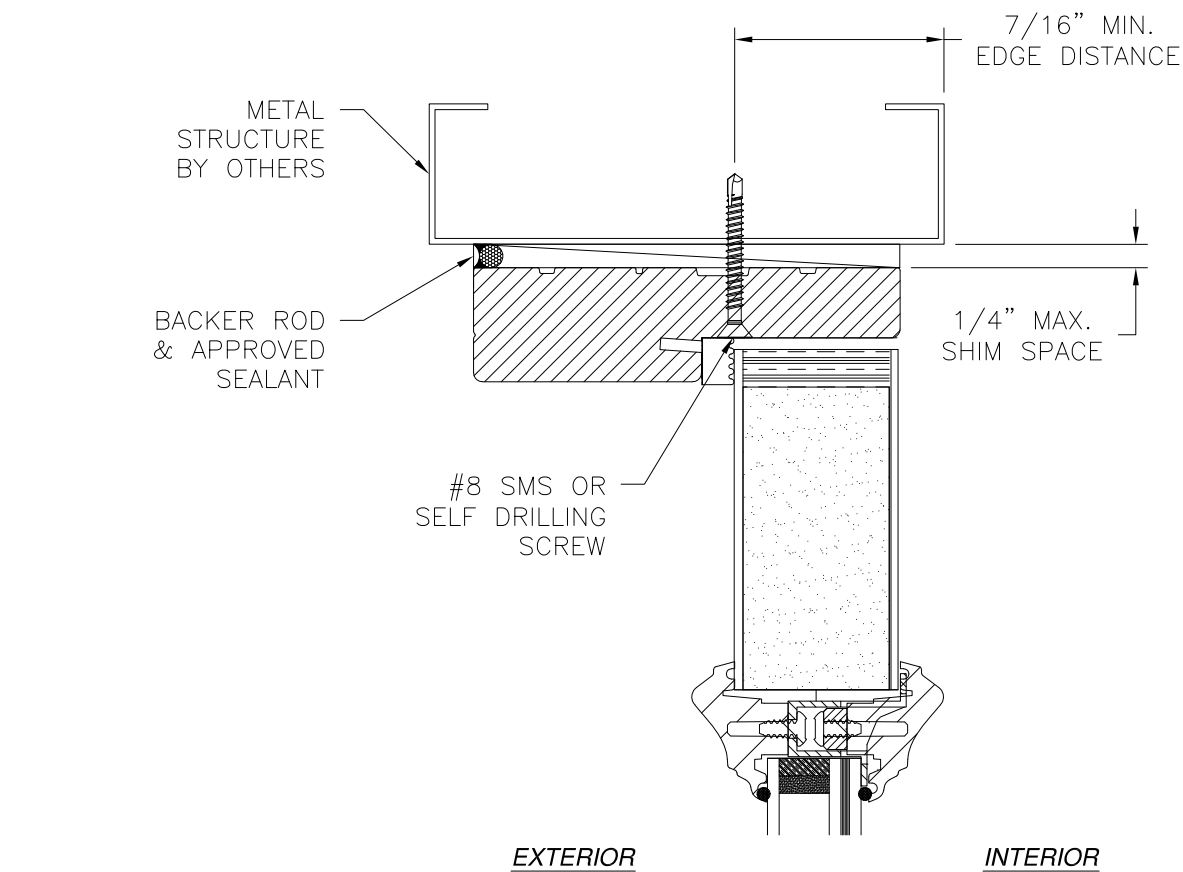
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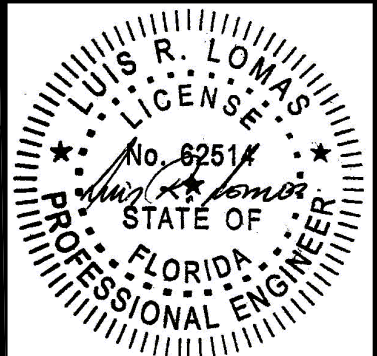


VERTICAL CROSS SECTION
DIRECT SET SIDELITE INSTALLATION
METAL STRUCTURE INSTALLATION

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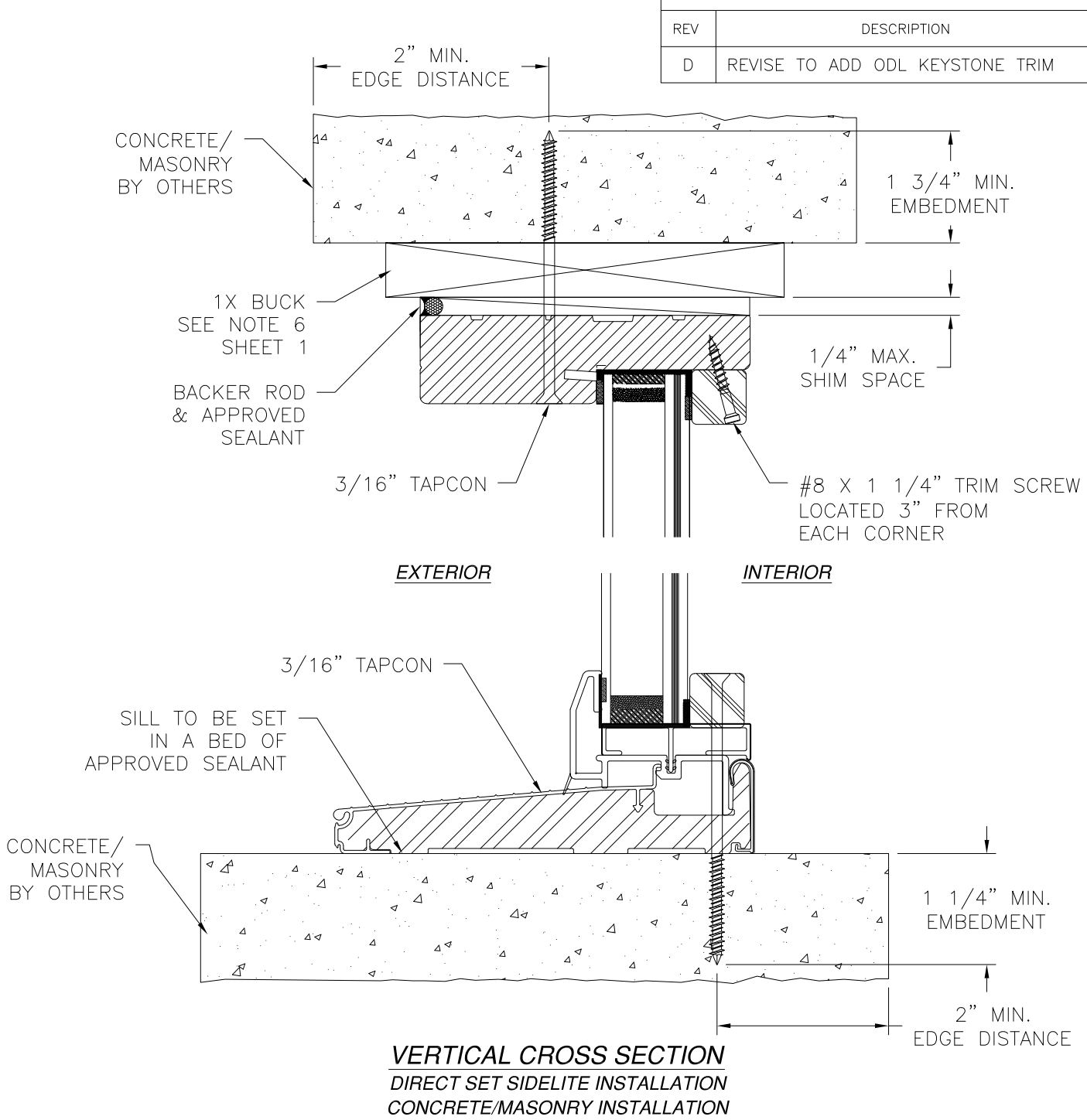
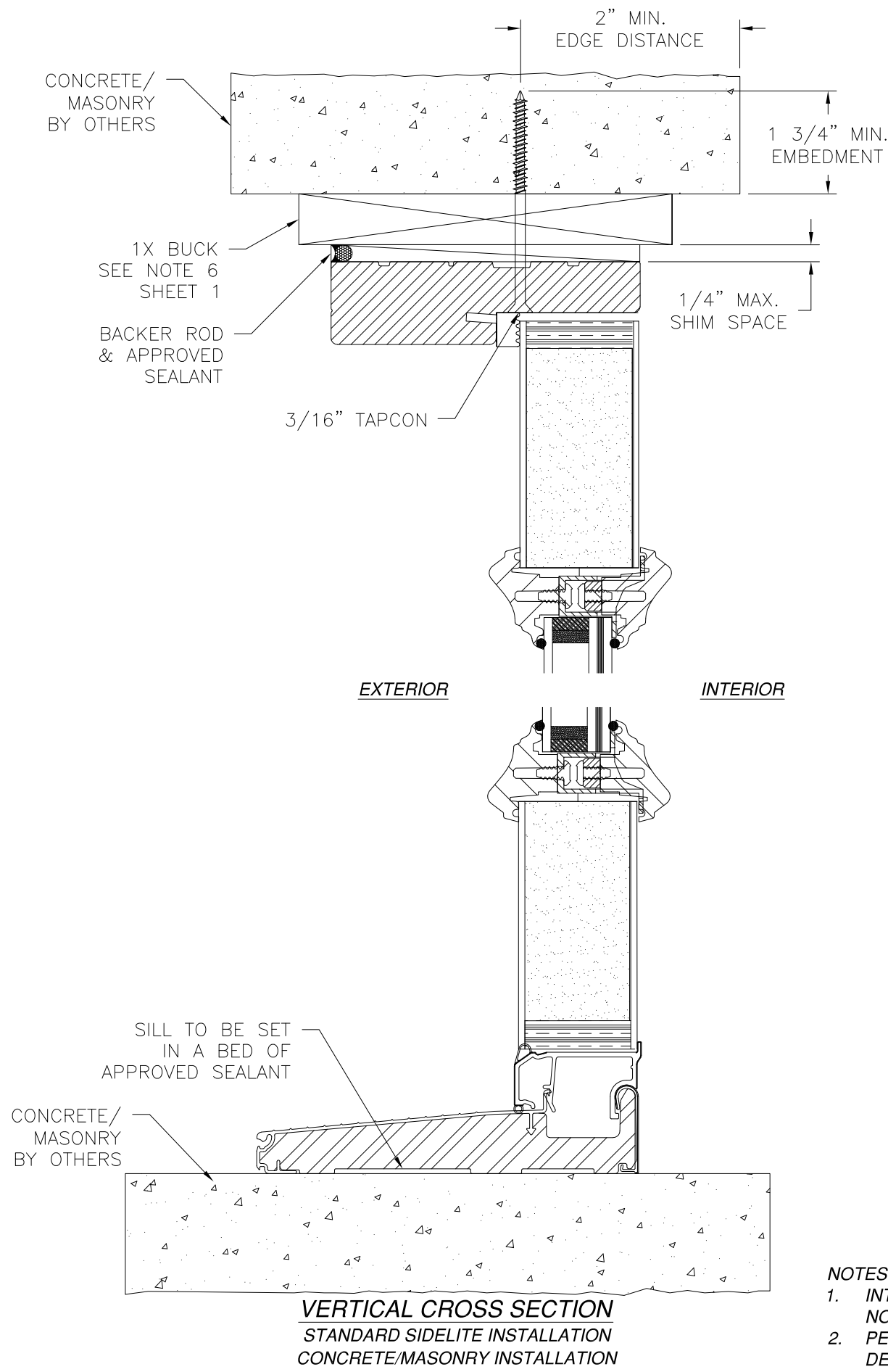
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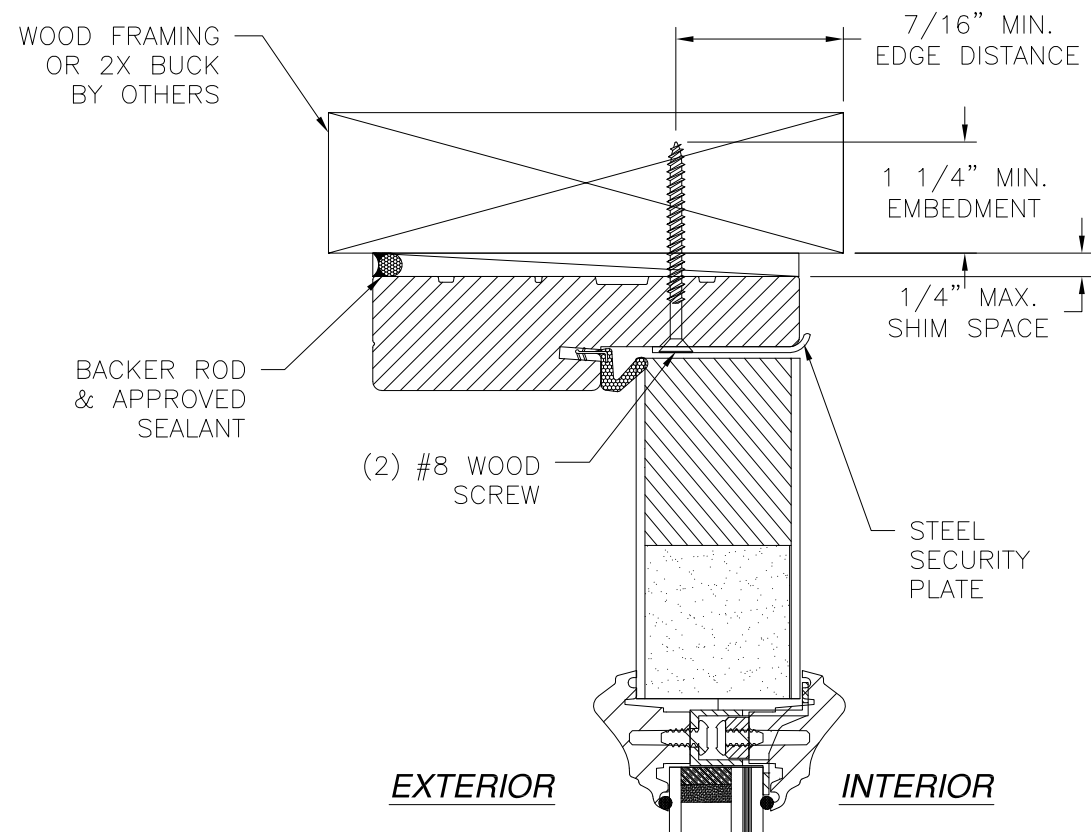
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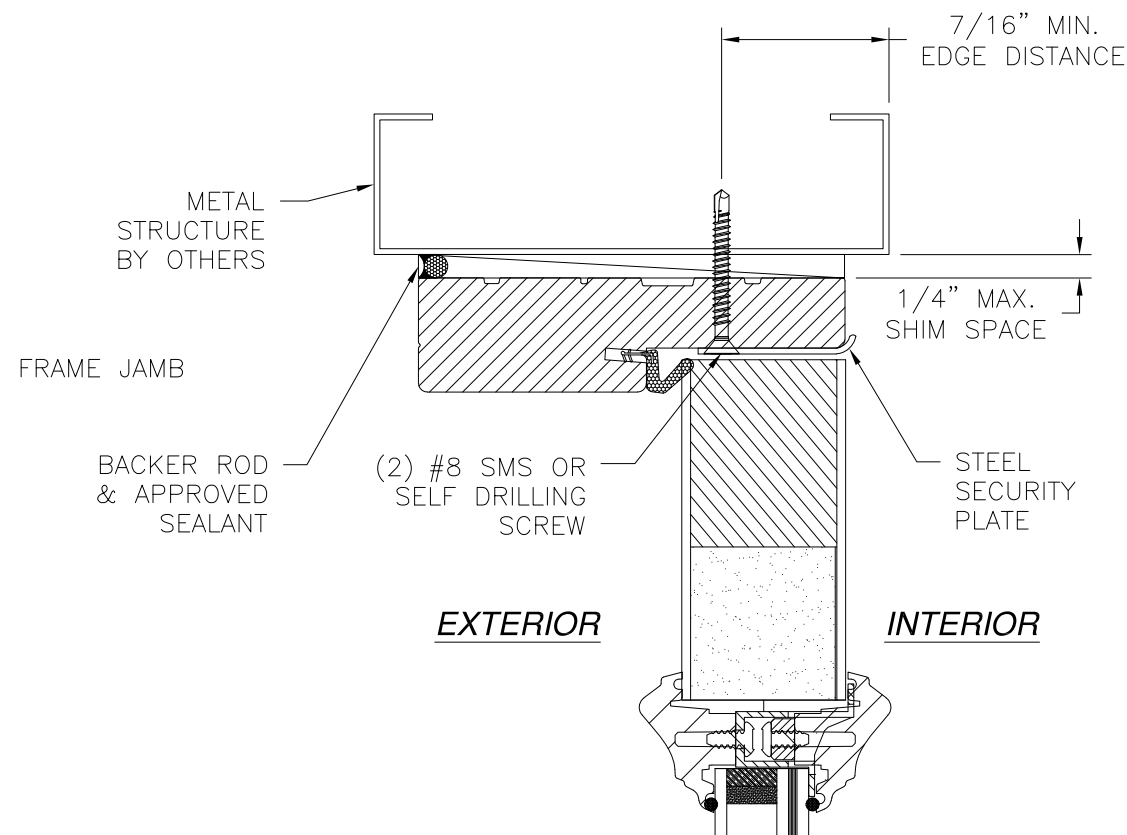
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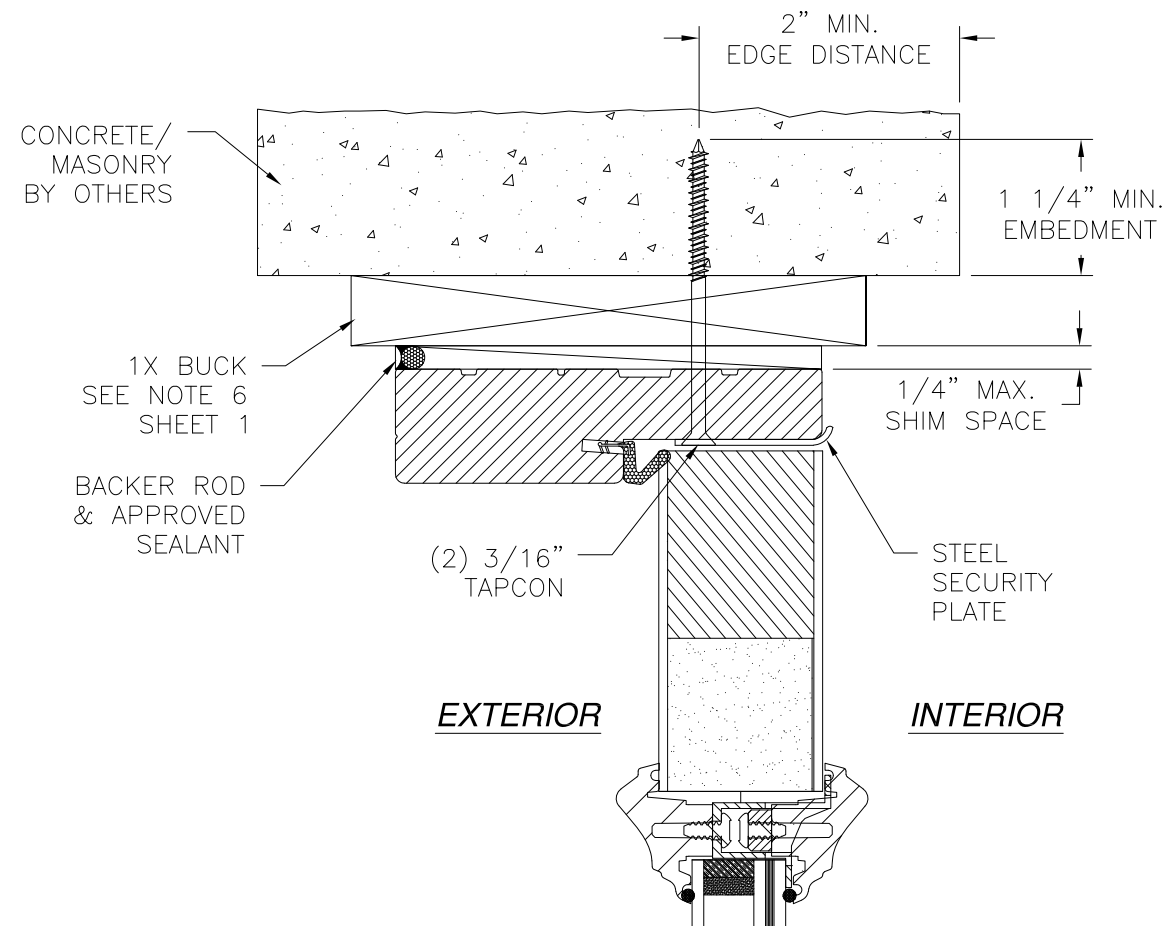
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KEEPER INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



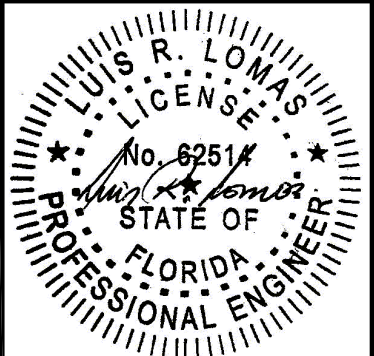
KEEPER INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



KEEPER INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

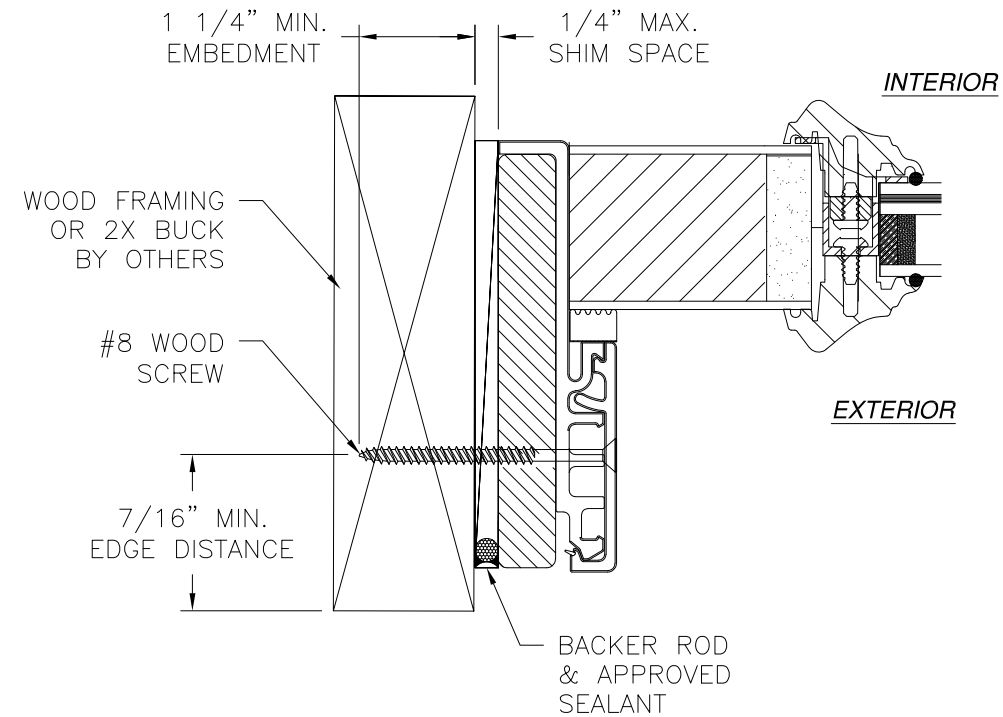
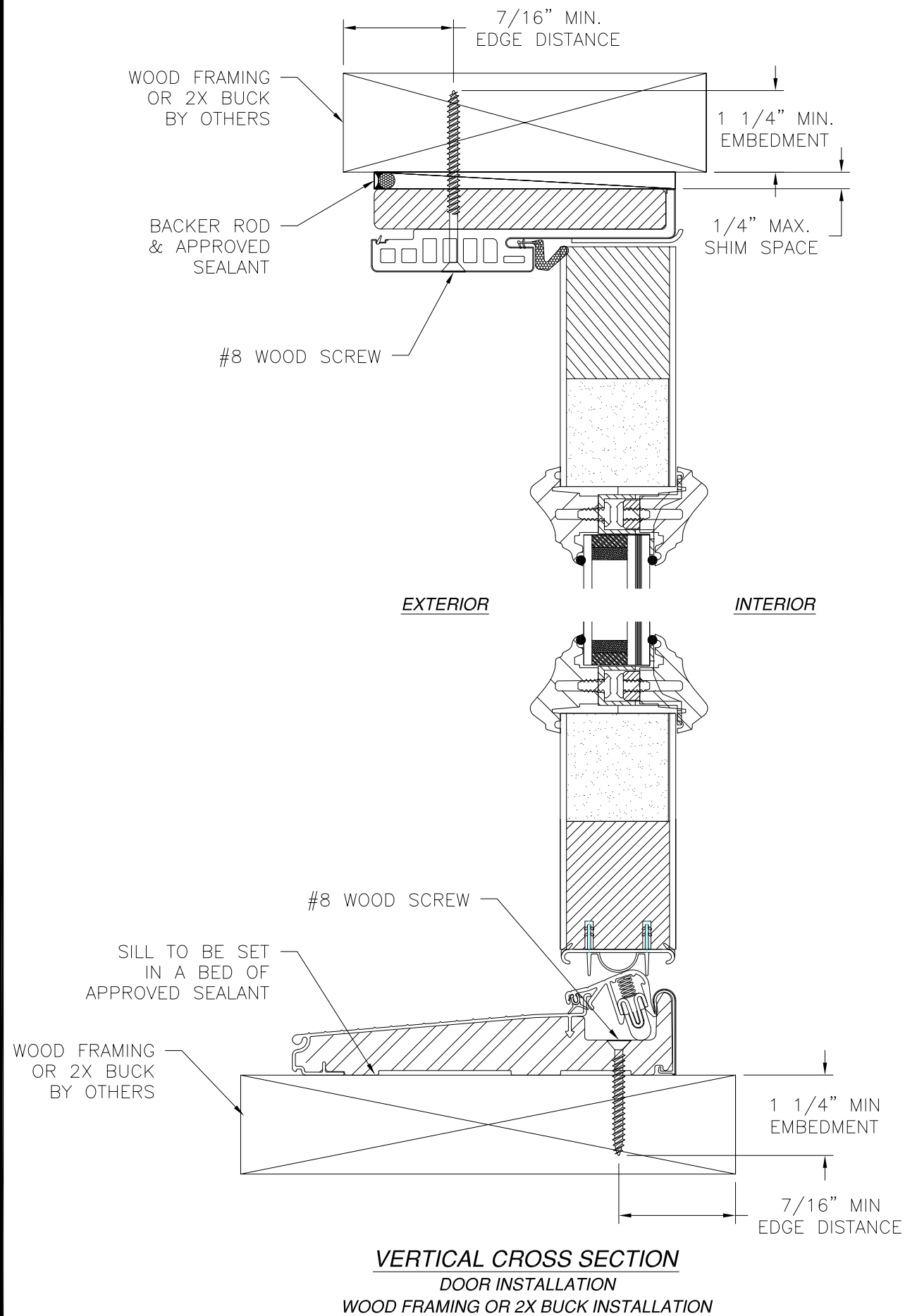
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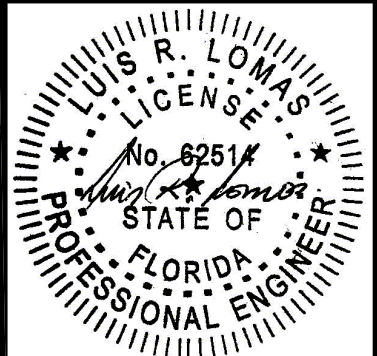
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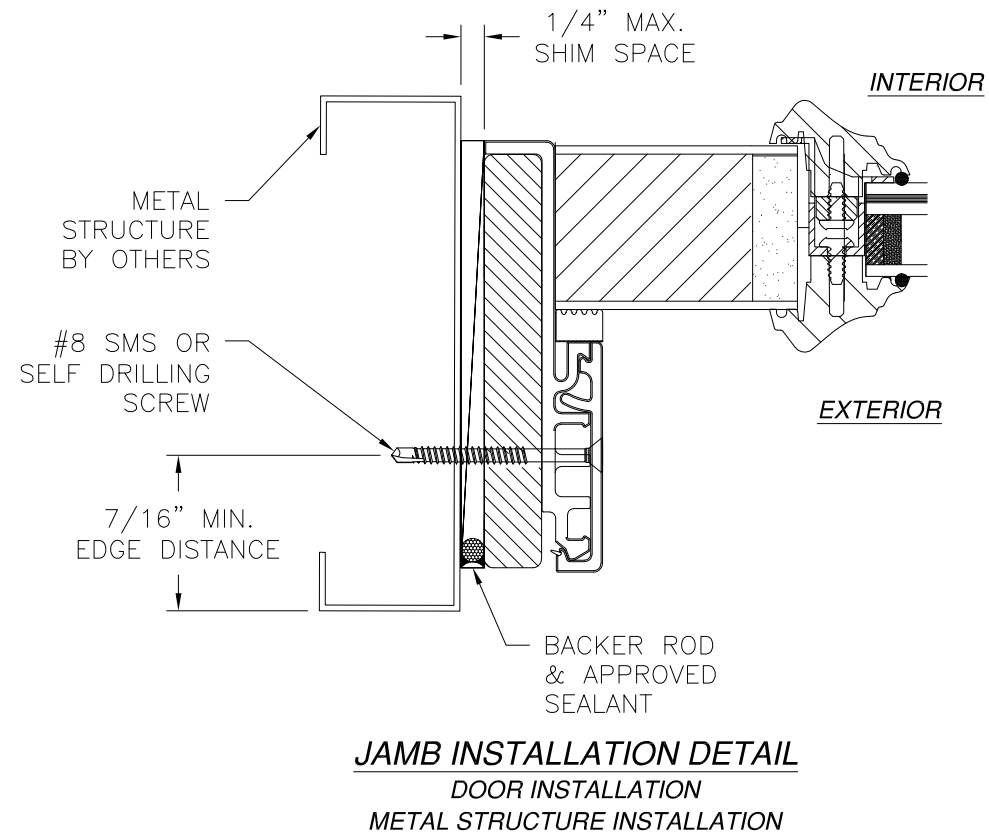
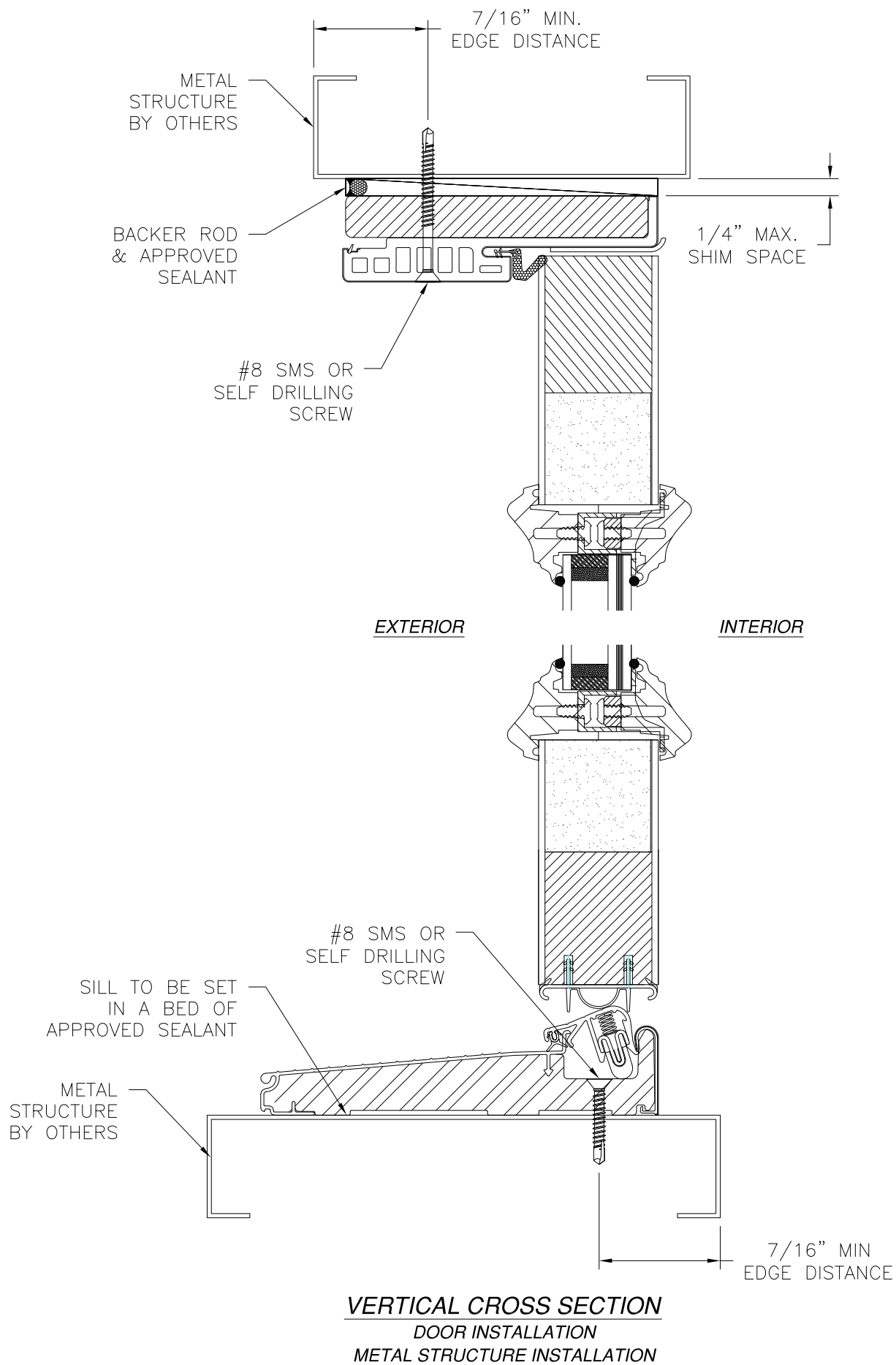
SIGNED: 08/27/2024

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM - IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: A.R.	DWG NO. 08-03623	REV D
SCALE NTS	DATE 10/07/2020	SHEET 11 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

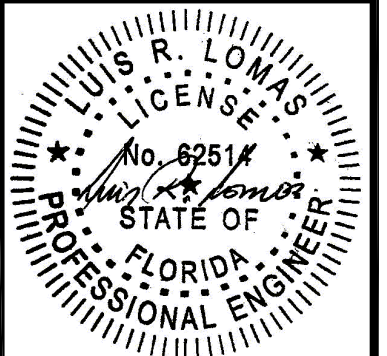
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISE TO ADD ODL KEYSTONE TRIM	08/21/2024	R.L.



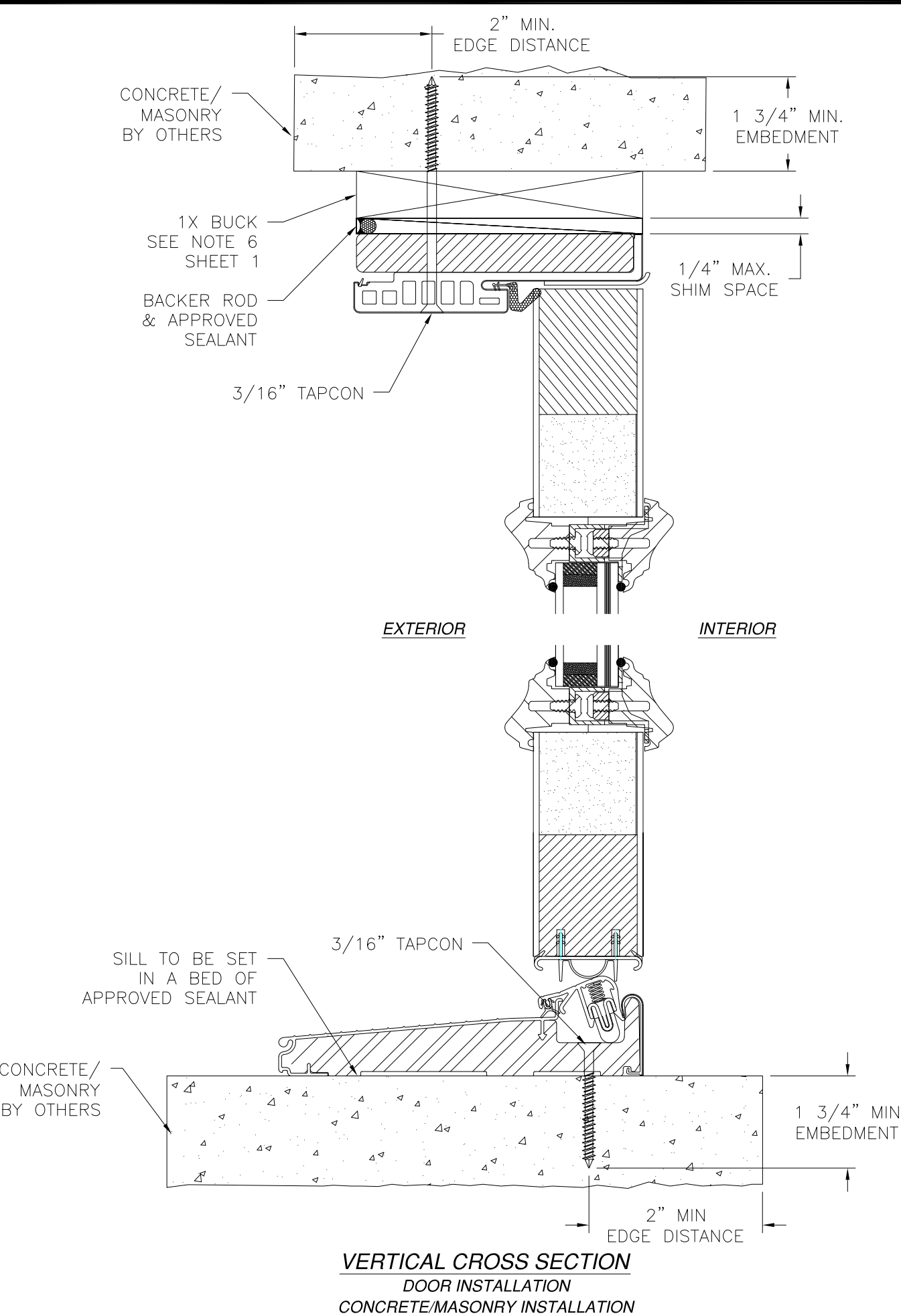
- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 08/27/2024

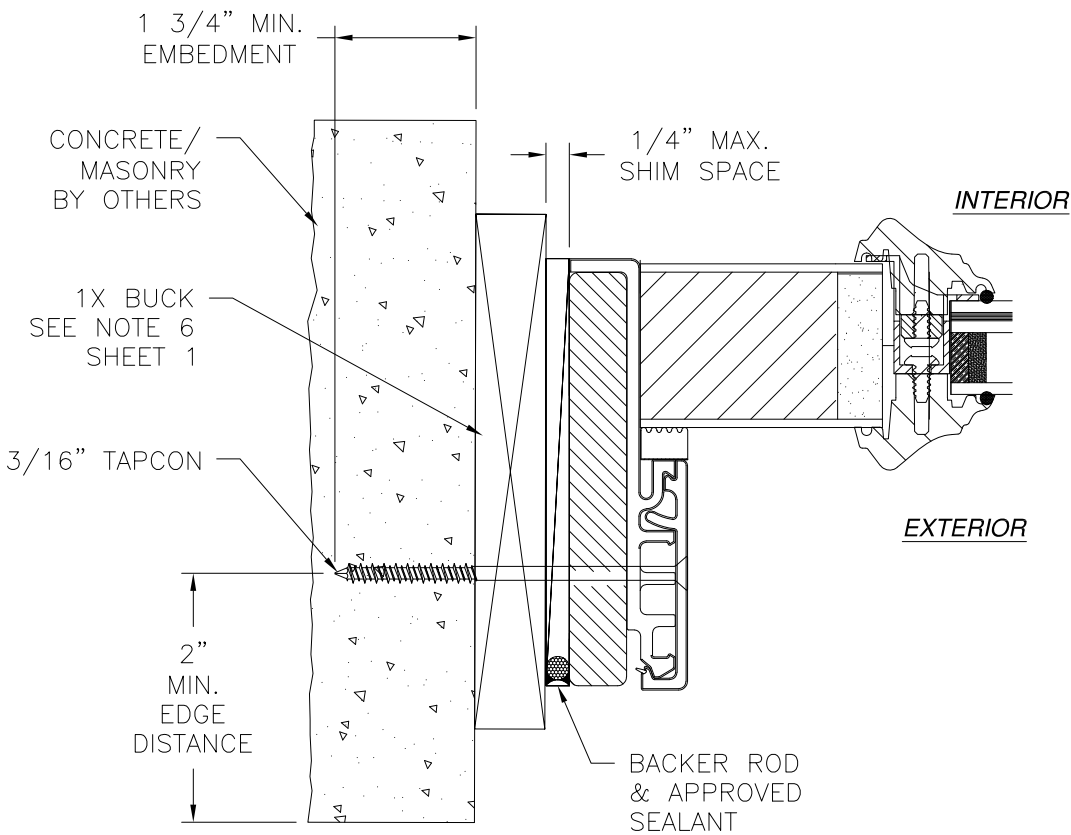
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM - IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: A.R.	DWG NO. 08-03623	REV D
SCALE NTS	DATE 10/07/2020	SHEET 12 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



REVISIONS			
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D	REVISE TO ADD ODL KEYSTONE TRIM	08/21/2024	R.L.



JAMB INSTALLATION DETAIL
DOOR INSTALLATION
CONCRETE/MASONRY INSTALLATION

- NOTES:
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 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 08/27/2024

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

SIGNET INSWING ENTRY DOOR SYSTEM 6'8"
W/PLUGLESS TRIM - IMPACT
INSTALLATION DETAILS W/FUSION FRAME

DRAWN:
A.R.

DWG NO.
08-03623

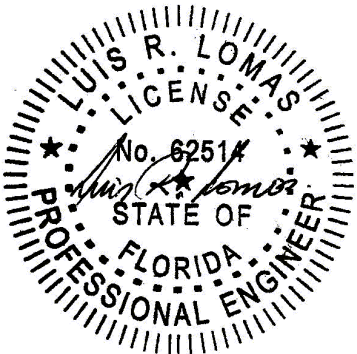
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SCALE
NTS

DATE
10/07/2020

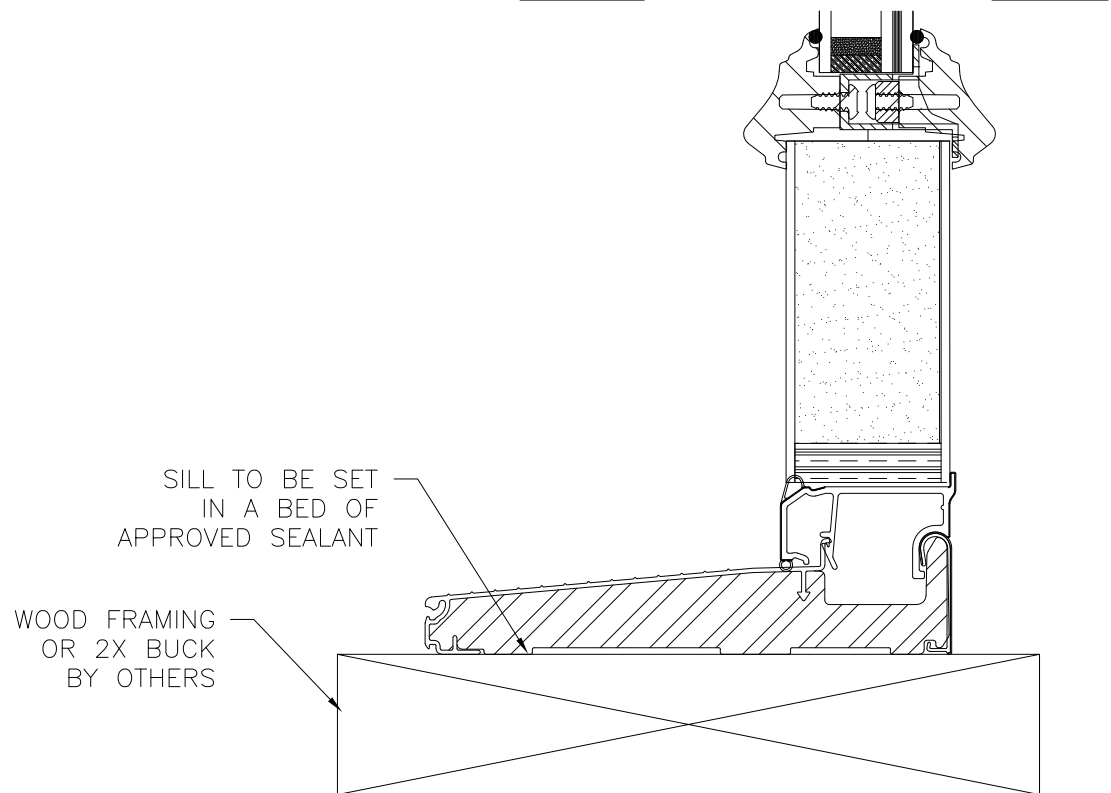
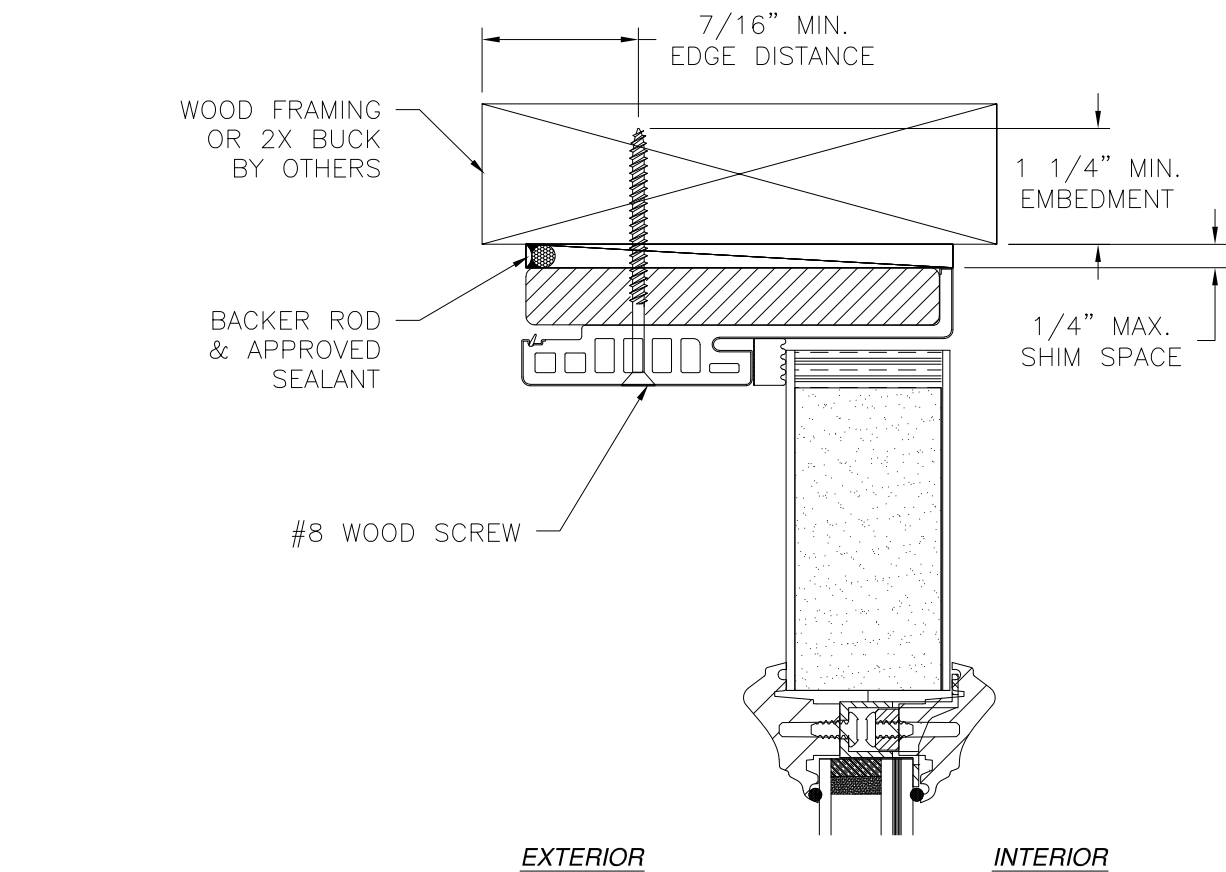
SHEET
13 OF 21

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

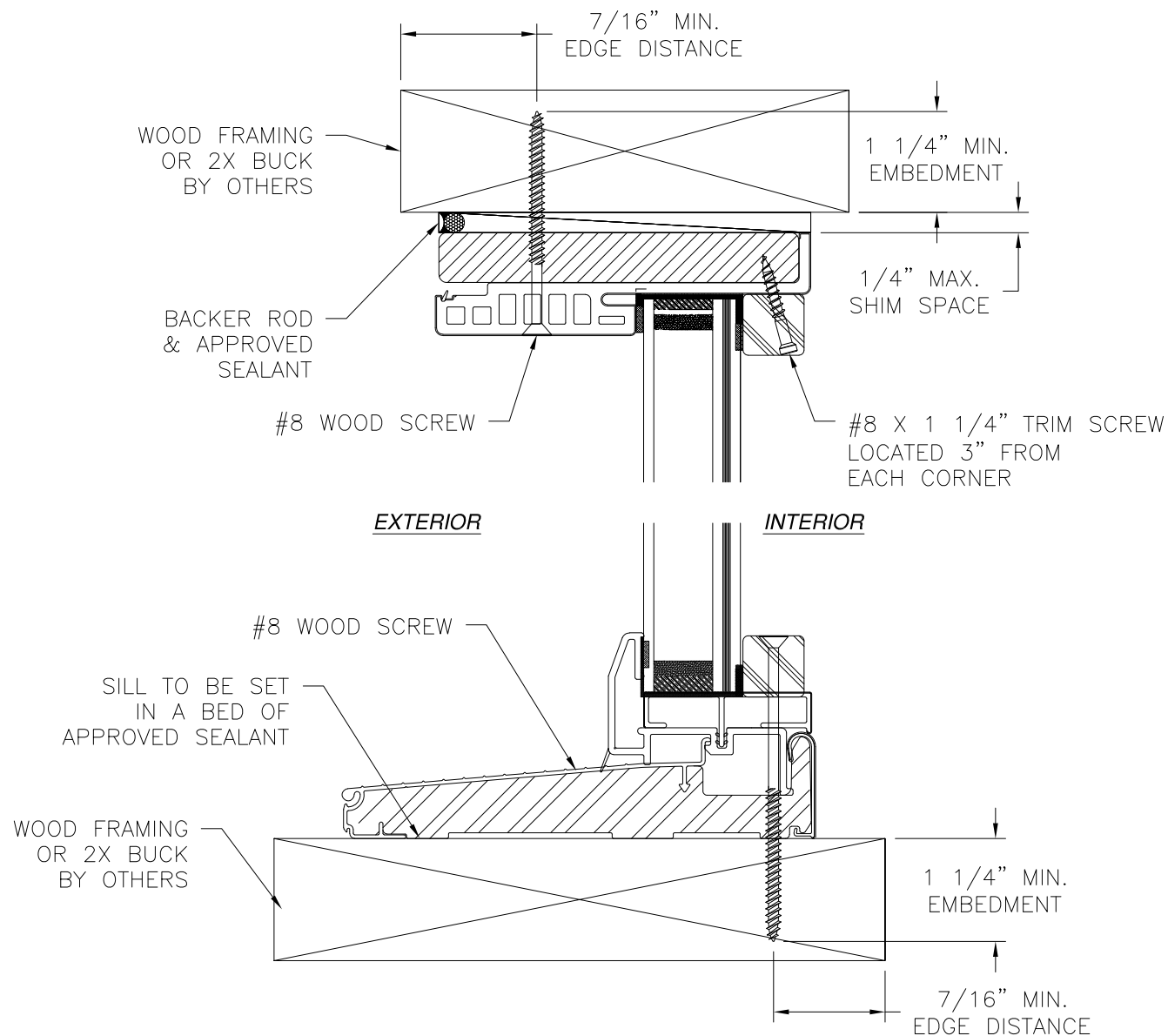


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISE TO ADD ODL KEYSTONE TRIM	08/21/2024	R.L.



VERTICAL CROSS SECTION
STANDARD SIDELITE INSTALLATION
WOOD FRAMING OR 2X BUCK INSTALLATION

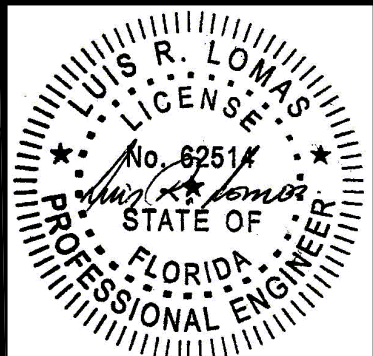


VERTICAL CROSS SECTION
DIRECT SET SIDELITE INSTALLATION
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:
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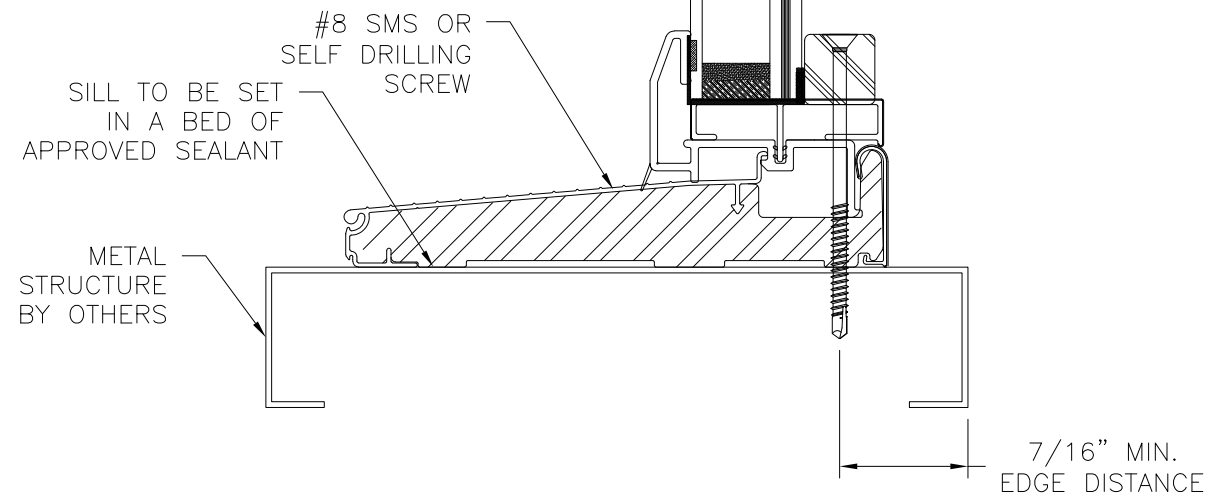
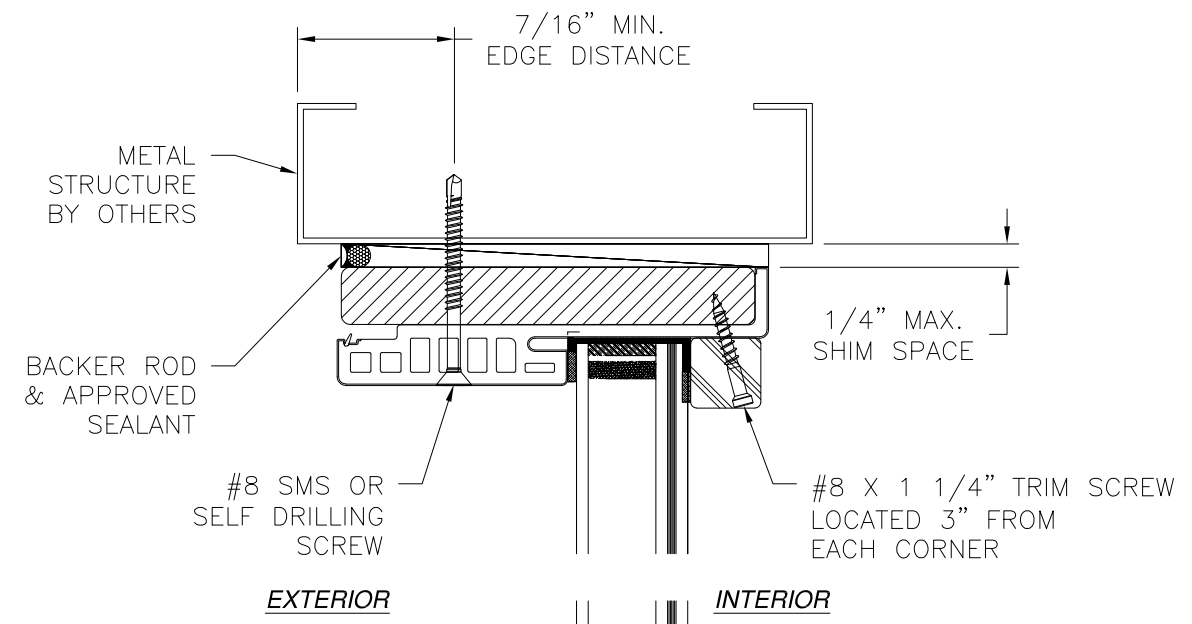
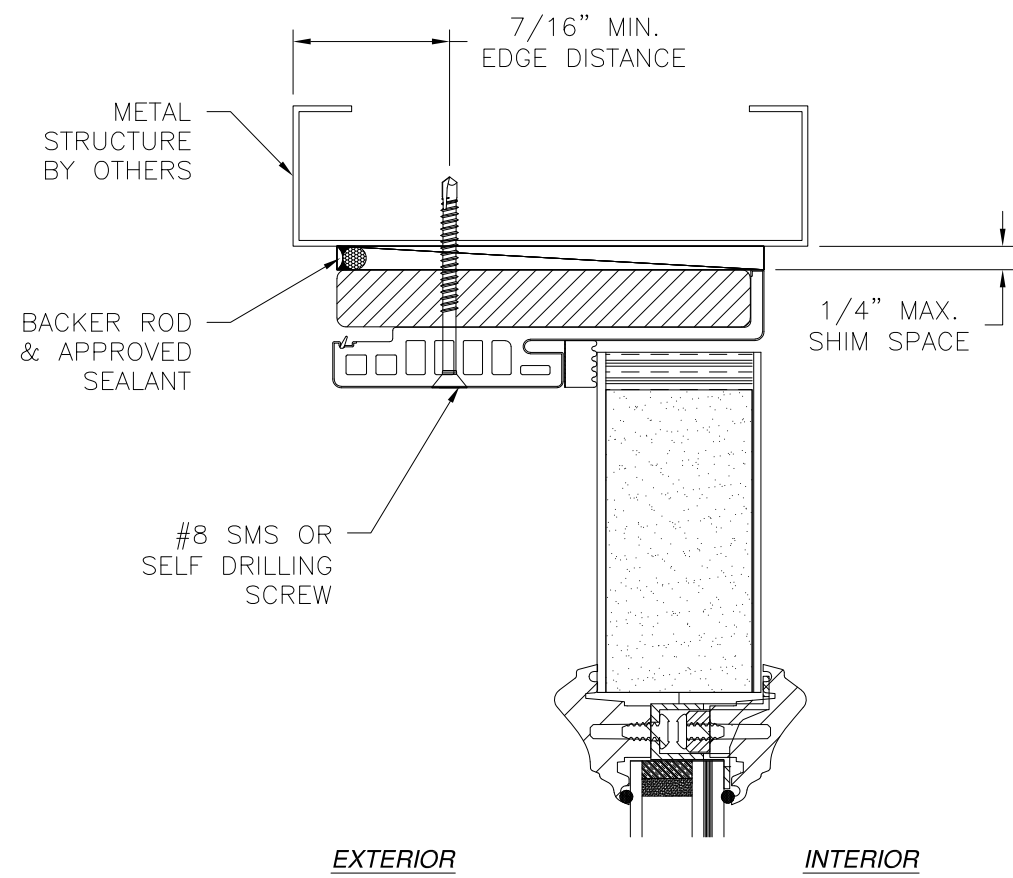
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM – IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: A.R.	DWG NO. 08-03623	REV D
SCALE NTS	DATE 10/07/2020	SHEET 14 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 08/27/2024

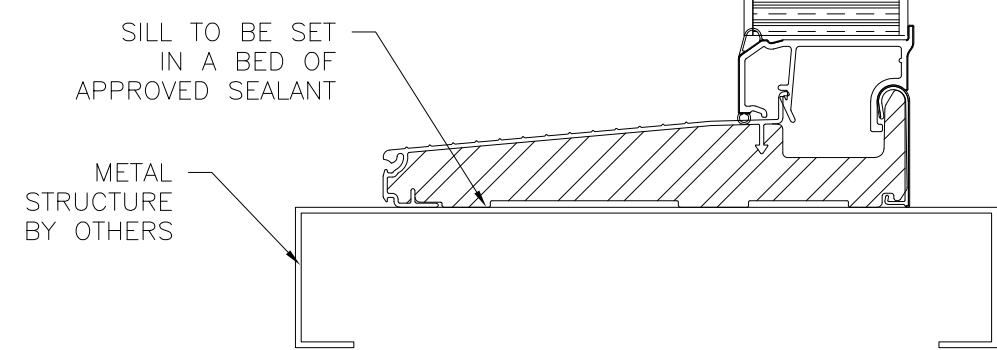


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FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISE TO ADD ODL KEYSTONE TRIM	08/21/2024	R.L.



VERTICAL CROSS SECTION
DIRECT SET SIDELITE INSTALLATION
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
STANDARD SIDELITE INSTALLATION
METAL STRUCTURE INSTALLATION

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PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

SIGNET INSWING ENTRY DOOR SYSTEM 6'8"

W/PLUGLESS TRIM - IMPACT

INSTALLATION DETAILS W/FUSION FRAME

DRAWN:

A.R.

DWG NO.

08-03623

REV

D

SCALE

NTS

DATE

10/07/2020

SHEET

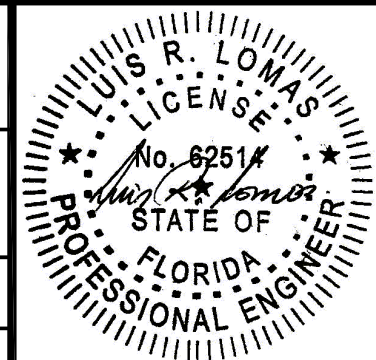
15 OF 21

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

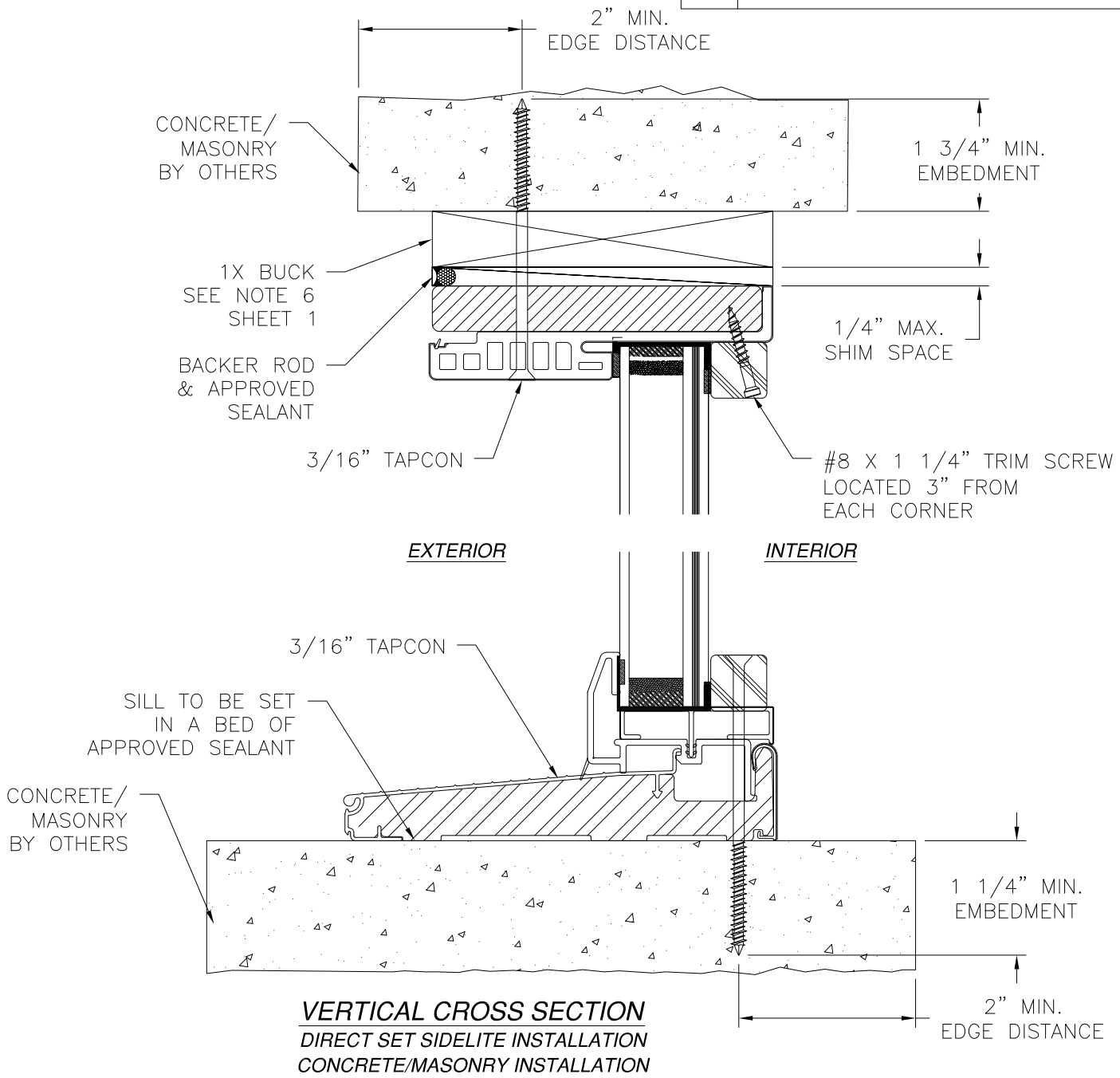
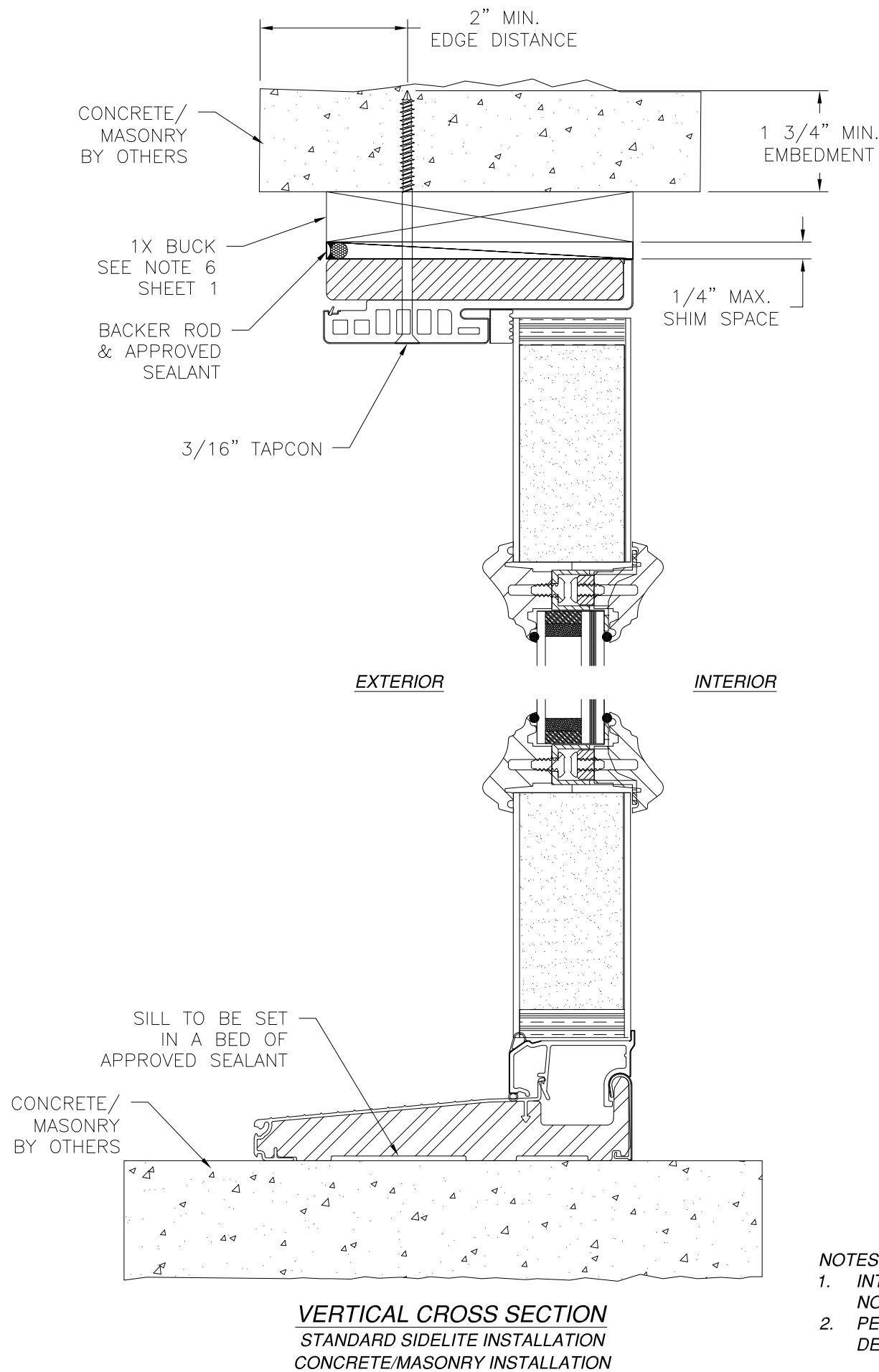
434-688-0609 rllomas@rlomaspe.com

SIGNED: 08/27/2024



Luis R. Lomas P.E.
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISE TO ADD ODL KEYSTONE TRIM	08/21/2024	R.L.



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

SIGNET INSWING ENTRY DOOR SYSTEM 6'8"
W/PLUGLESS TRIM - IMPACT
INSTALLATION DETAILS W/FUSION FRAME

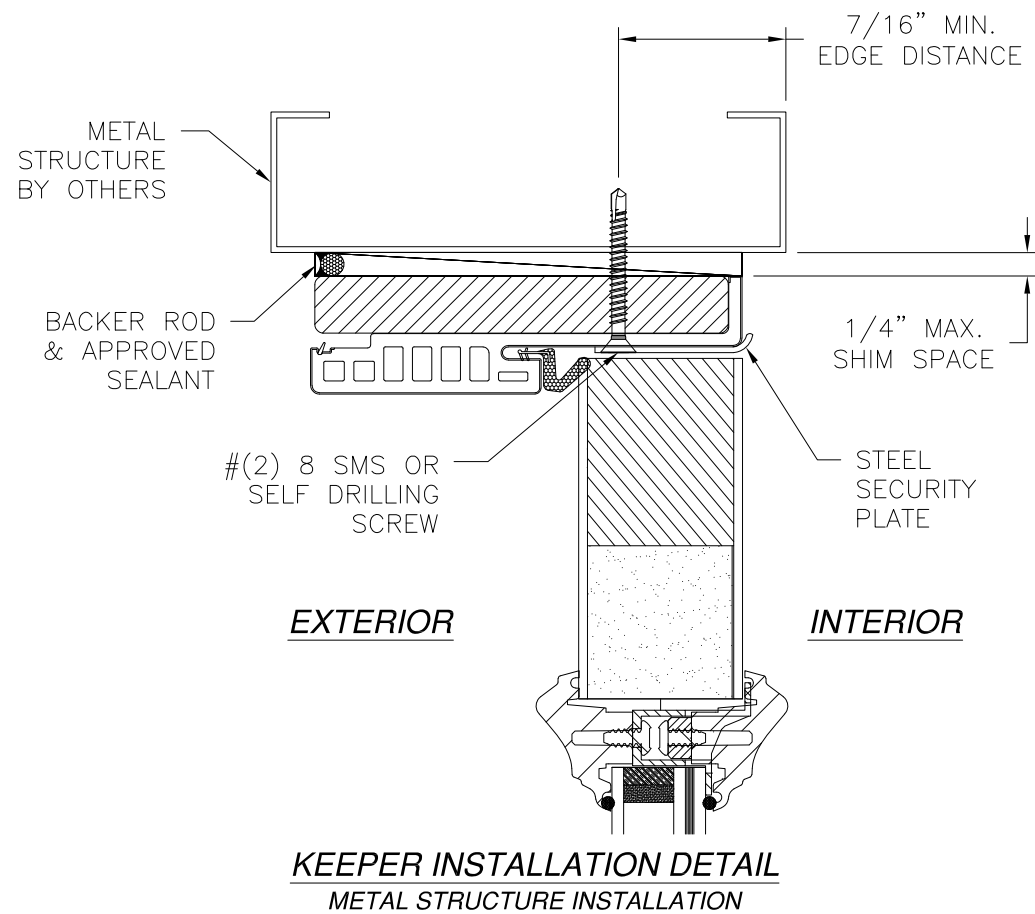
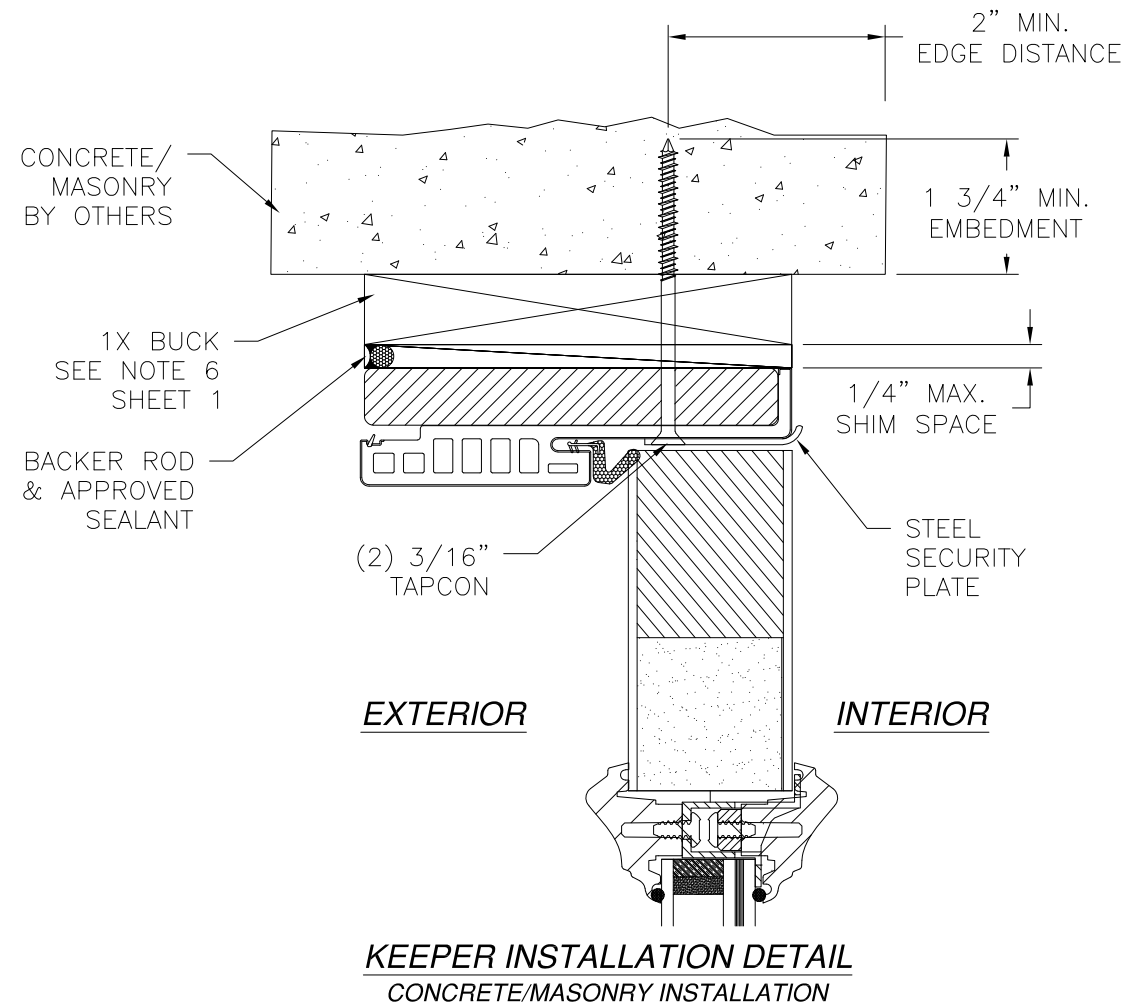
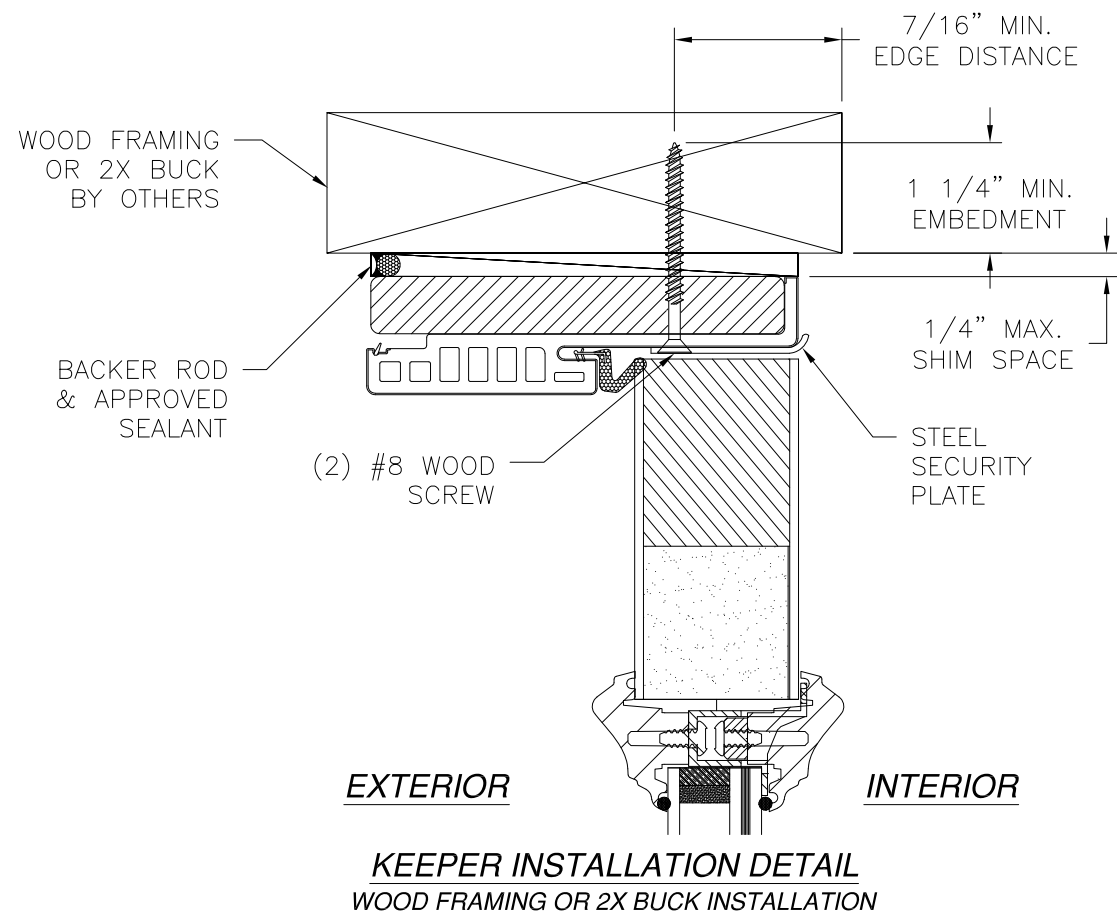
DRAWN: A.R.	DWG NO. 08-03623	REV D
SCALE NTS	DATE 10/07/2020	SHEET 16 OF 21

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

SIGNED: 08/27/2024

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISE TO ADD ODL KEYSTONE TRIM	08/21/2024	R.L.



PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

SIGNET INSWING ENTRY DOOR SYSTEM 6'8"

W/PLUGLESS TRIM – IMPACT

INSTALLATION DETAILS W/FUSION FRAME

DRAWN: A.R.

DWG NO. 08-03623

REV D

SCALE NTS

DATE 10/07/2020

SHEET 17 OF 21

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/27/2024

LUIS R. LOMAS

LICENS. E. S.

No. 62514

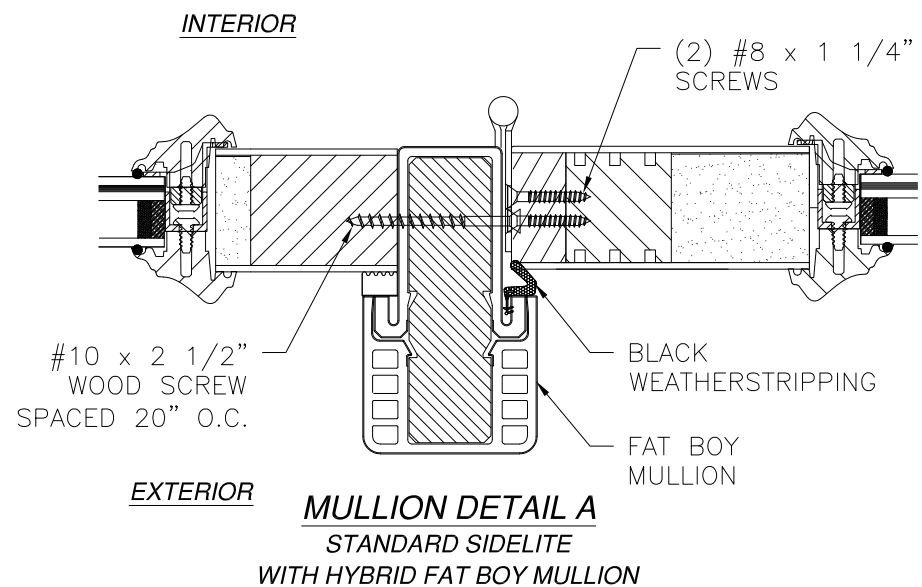
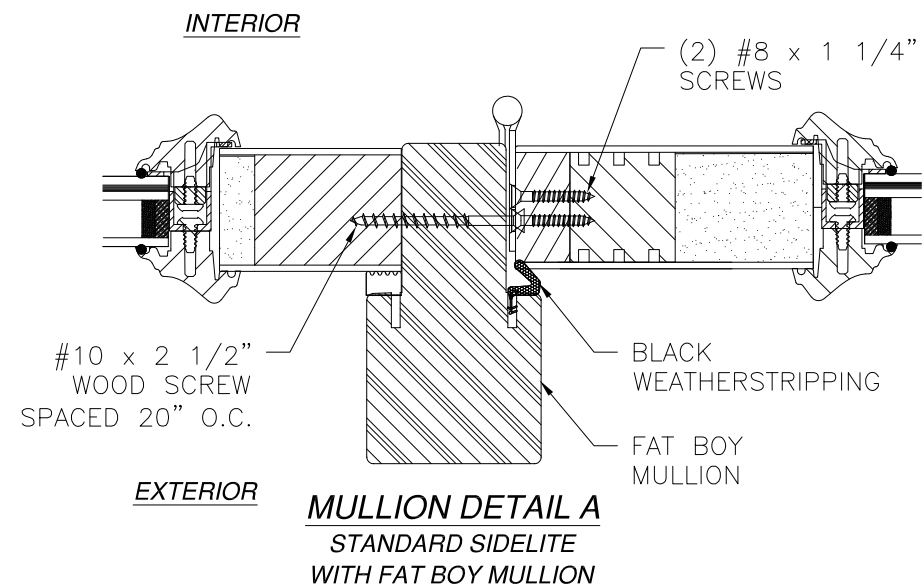
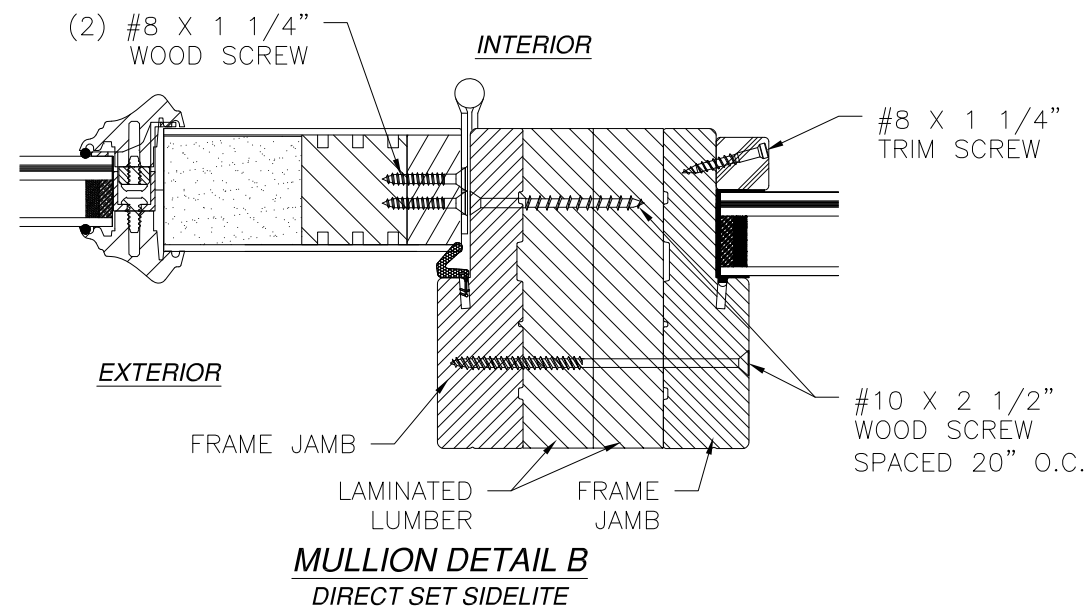
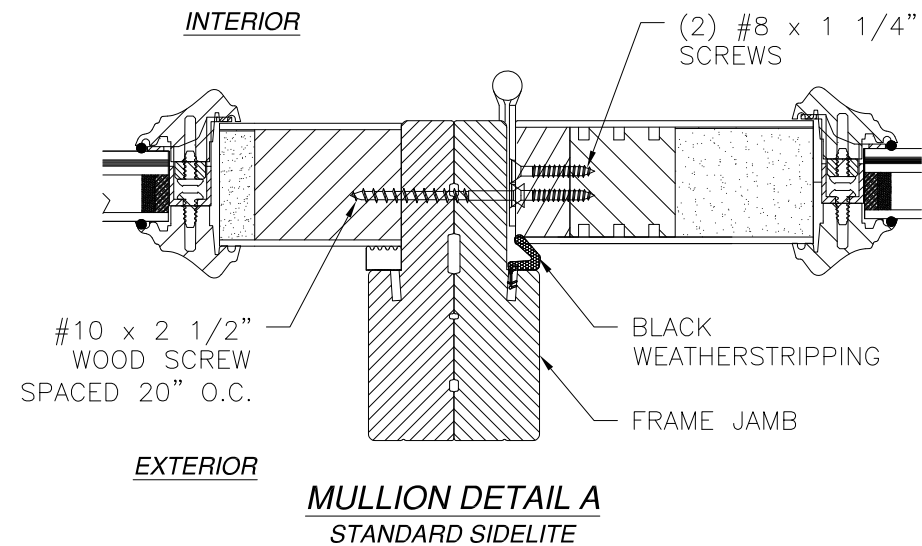
STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

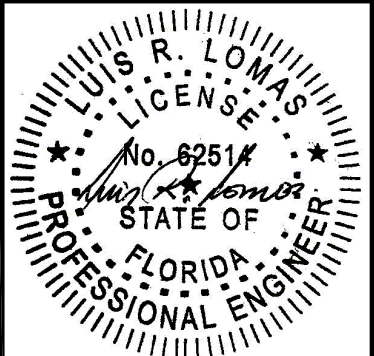
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISE TO ADD ODL KEYSTONE TRIM	08/21/2024	R.L.



SIGNED: 08/27/2024

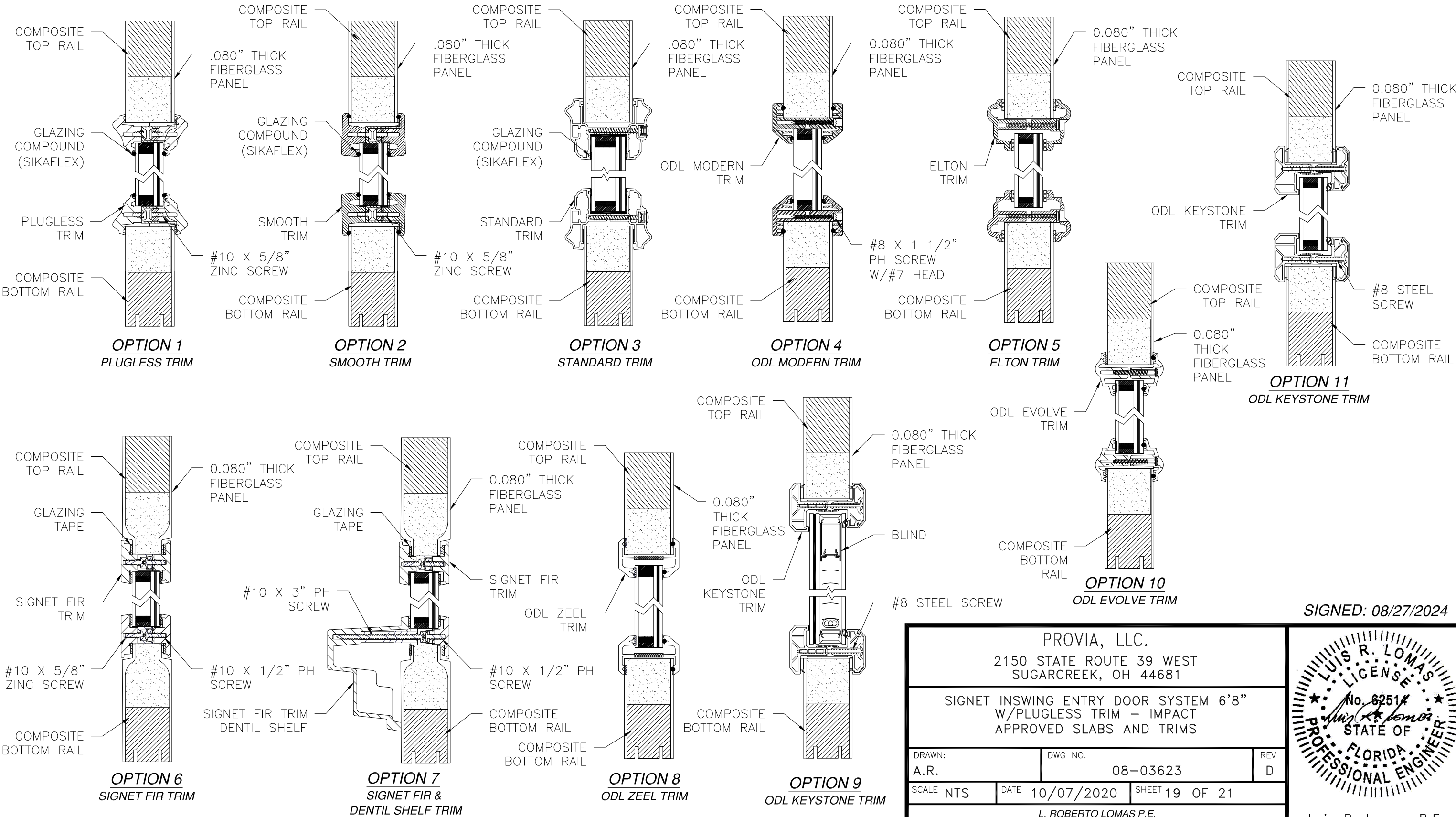
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM - IMPACT MULLION DETAILS		
DRAWN: A.R.	DWG NO. 08-03623	REV D
SCALE NTS	DATE 10/07/2020	SHEET 18 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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FL No.: 62514

APPROVED SLABS AND TRIMS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISE TO ADD ODL KEYSTONE TRIM	08/21/2024	R.L.



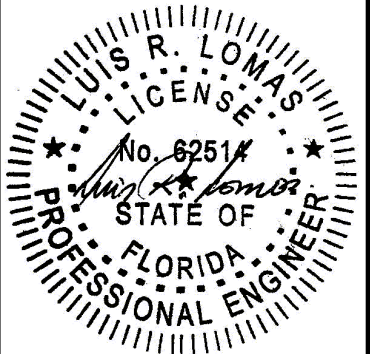
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

SIGNET INSWING ENTRY DOOR SYSTEM 6'8"
W/PLUGLESS TRIM – IMPACT
APPROVED SLABS AND TRIMS

DRAWN: A.R.	DWG NO. 08-03623	REV D
SCALE NTS	DATE 10/07/2020	SHEET 19 OF 21

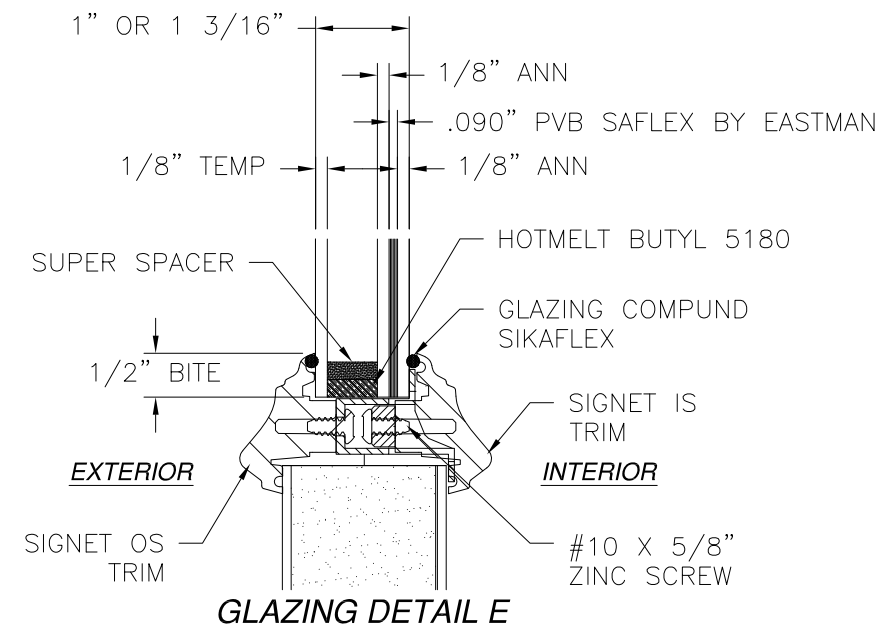
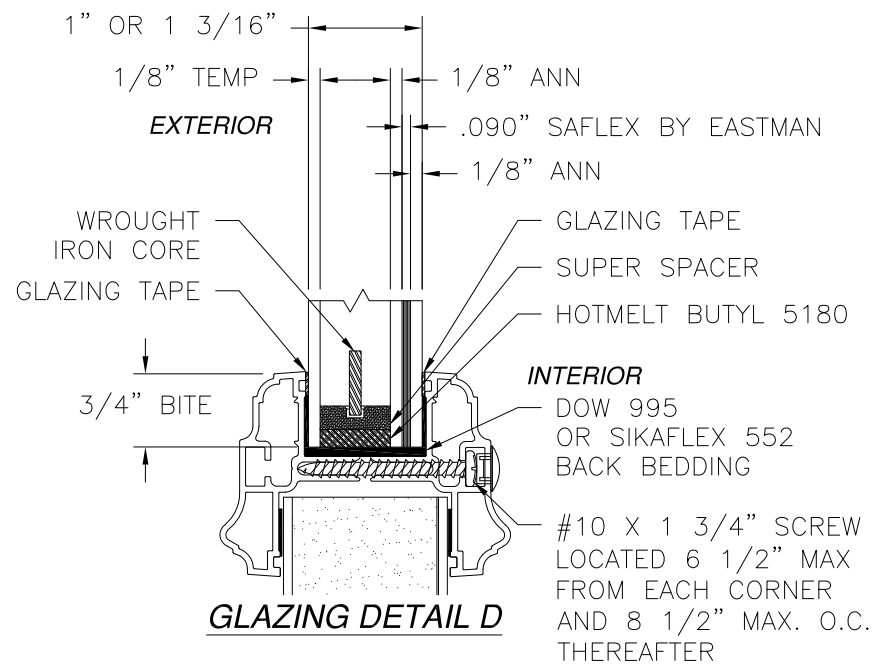
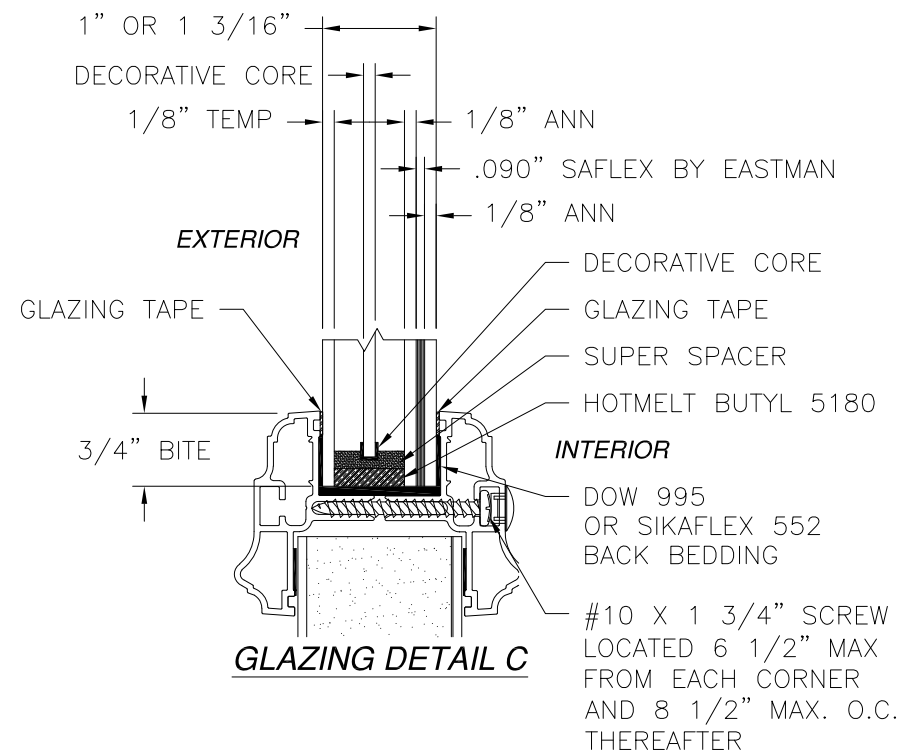
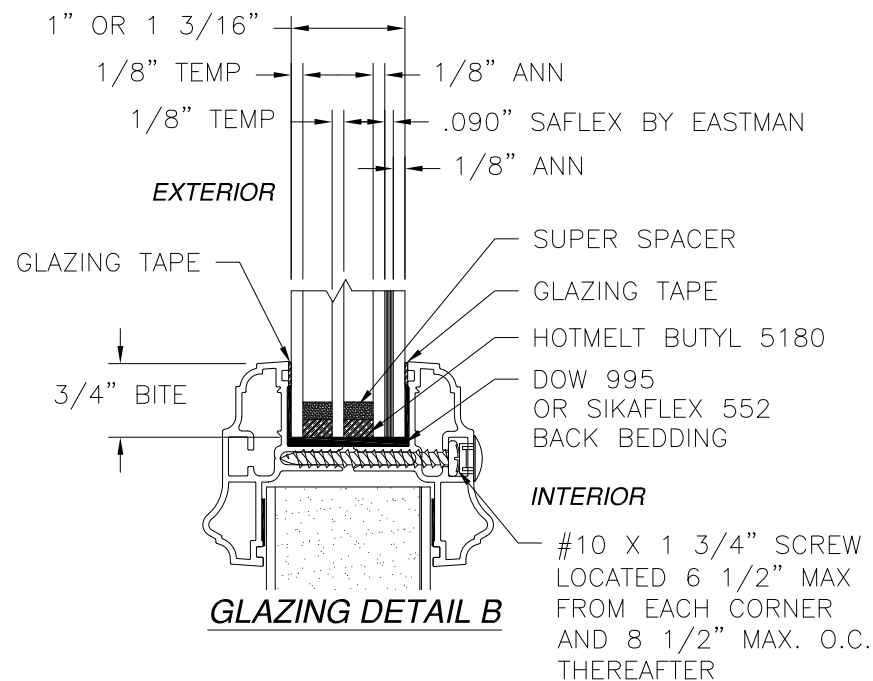
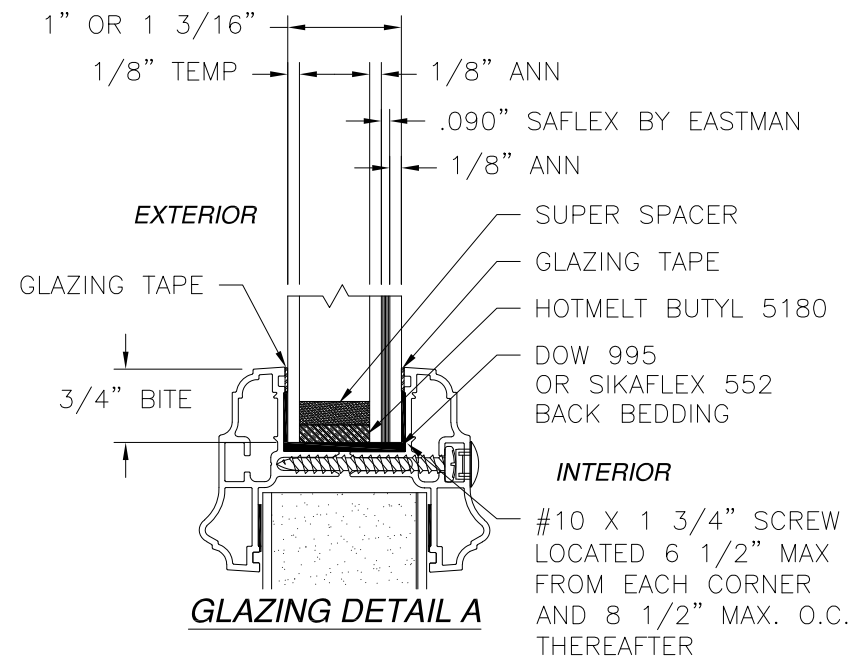
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/27/2024



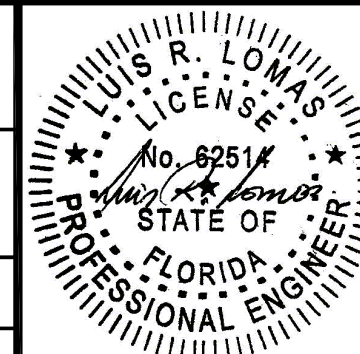
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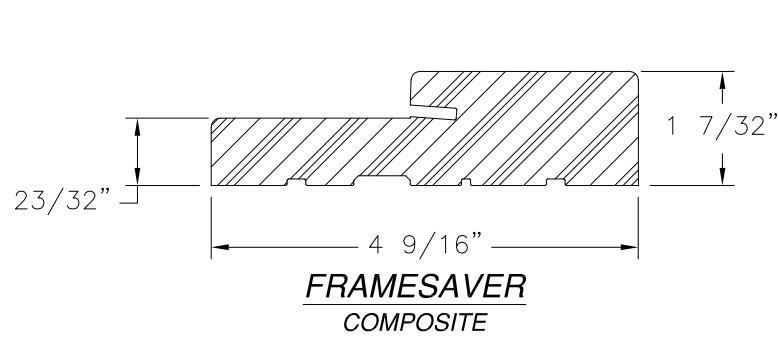


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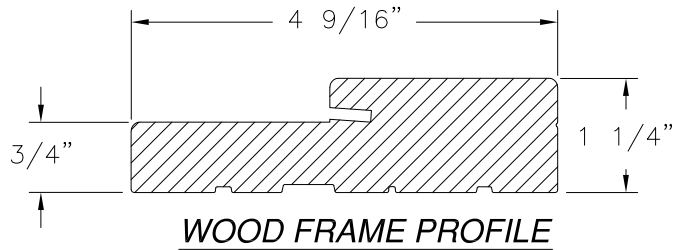
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM - IMPACT GLAZING DETAILS		
DRAWN: A.R.	DWG NO. 08-03623	REV D
SCALE NTS	DATE 10/07/2020	SHEET 20 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



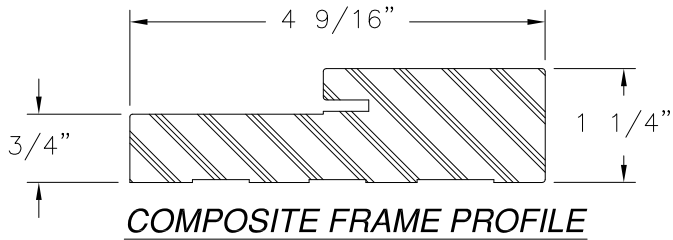
Luis R. Lomas P.E.
FL No.: 62514



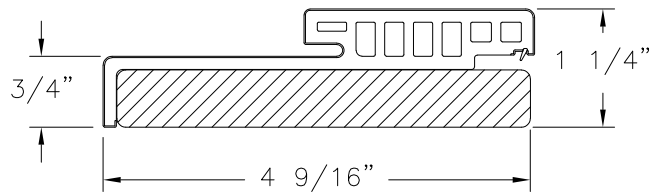
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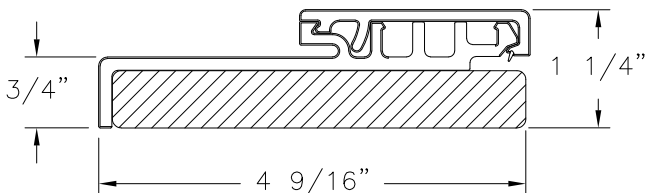
WOOD FRAME PROFILE



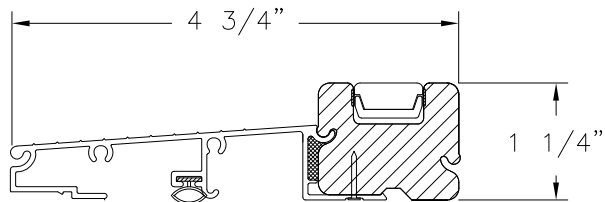
COMPOSITE FRAME PROFILE



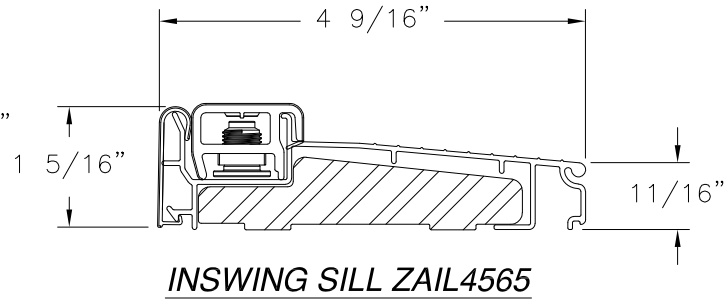
**HYBRID HEAD
WOOD/COMPOSITE**



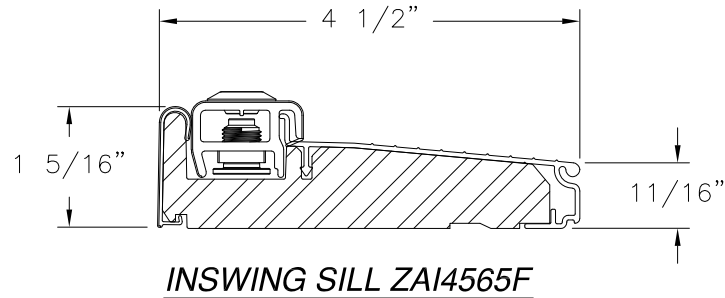
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WOOD/COMPOSITE**



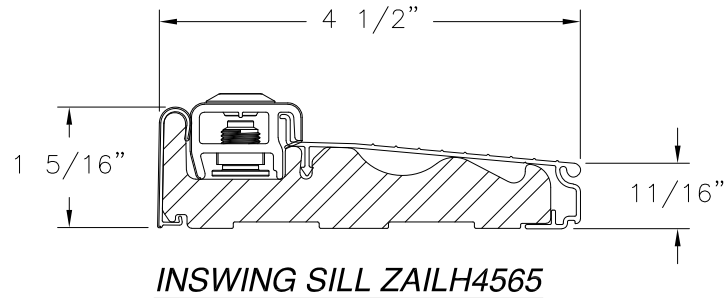
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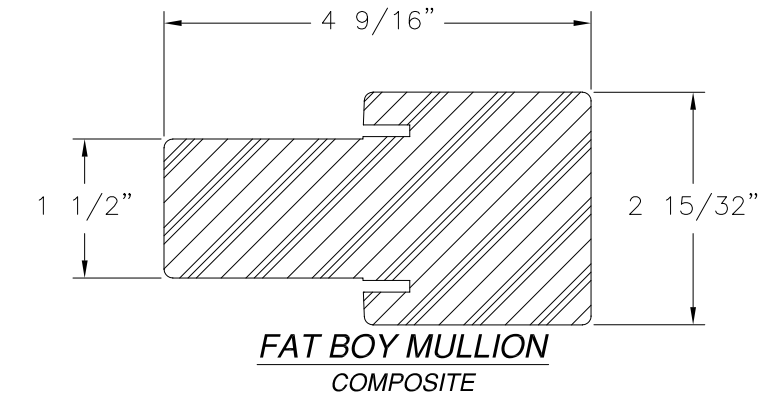
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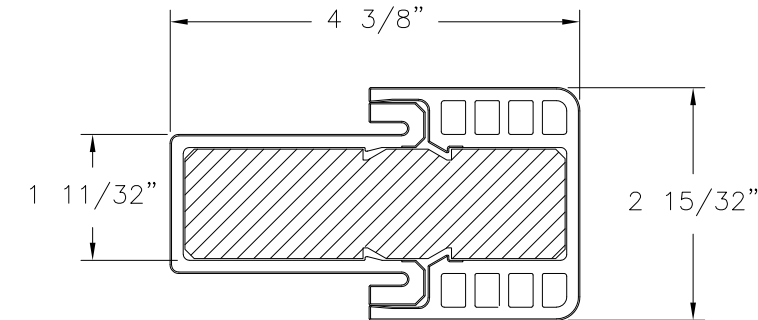
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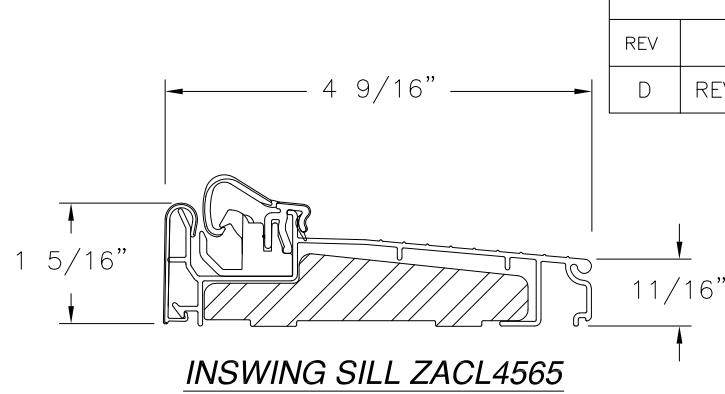
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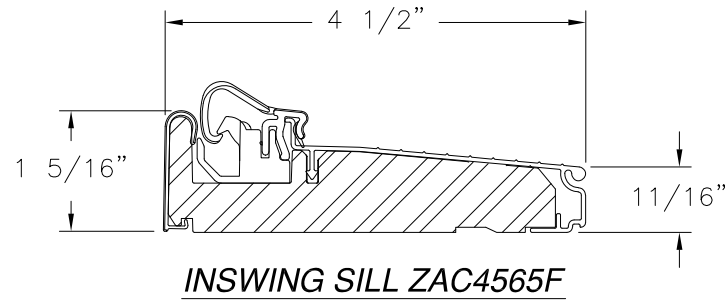
**FAT BOY MULLION
COMPOSITE**



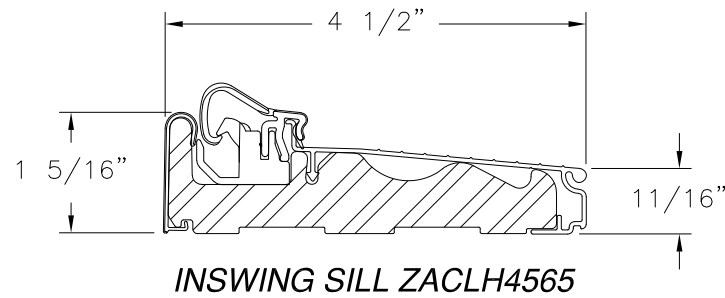
**HYBRID FAT BOY MULLION
COMPOSITE**



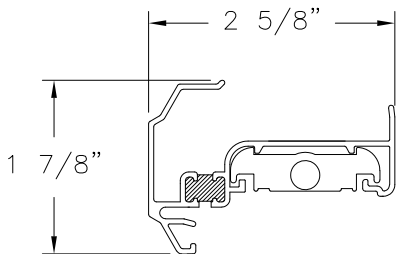
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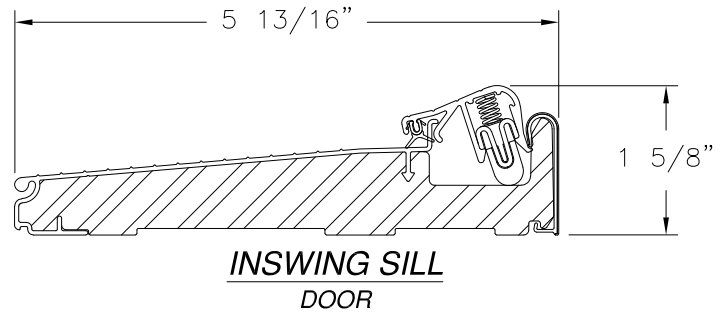
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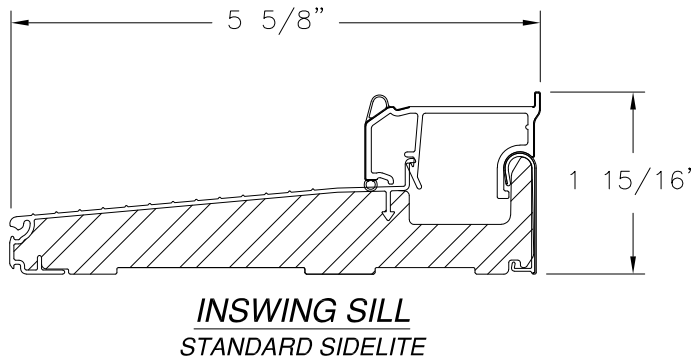
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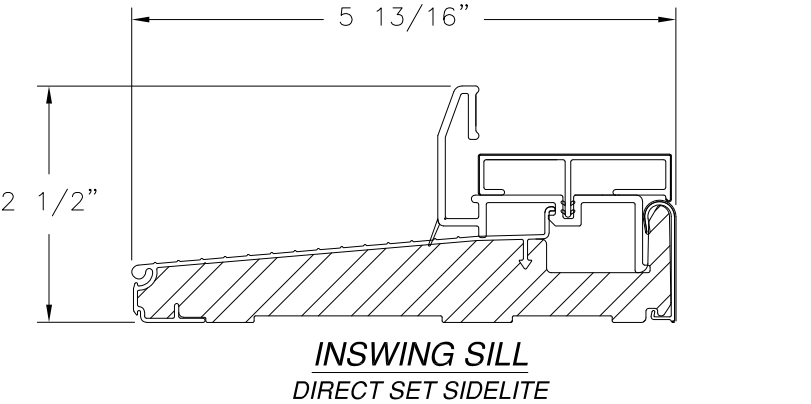
**ASTRAGAL WITH
THERMAL BREAK ASSEMBLY**



**INSWING SILL
DOOR**



**INSWING SILL
STANDARD SIDELITE**

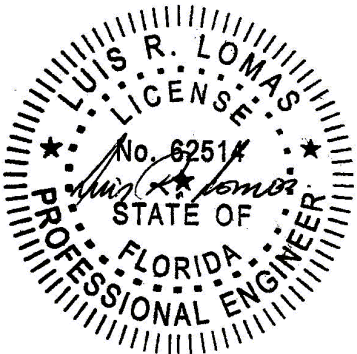


**INSWING SILL
DIRECT SET SIDELITE**

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISE TO ADD ODL KEYSTONE TRIM	08/21/2024	R.L.

SIGNED: 08/27/2024

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM - IMPACT COMPONENTS		
DRAWN: A.R.	DWG NO. 08-03623	REV D
SCALE NTS	DATE 10/07/2020	SHEET 21 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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