

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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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
E

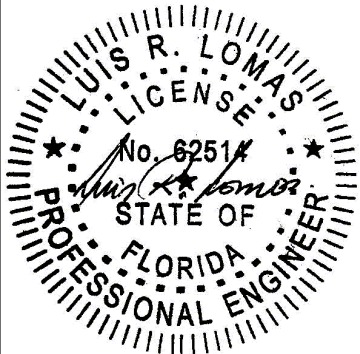
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DATE 10/07/2020

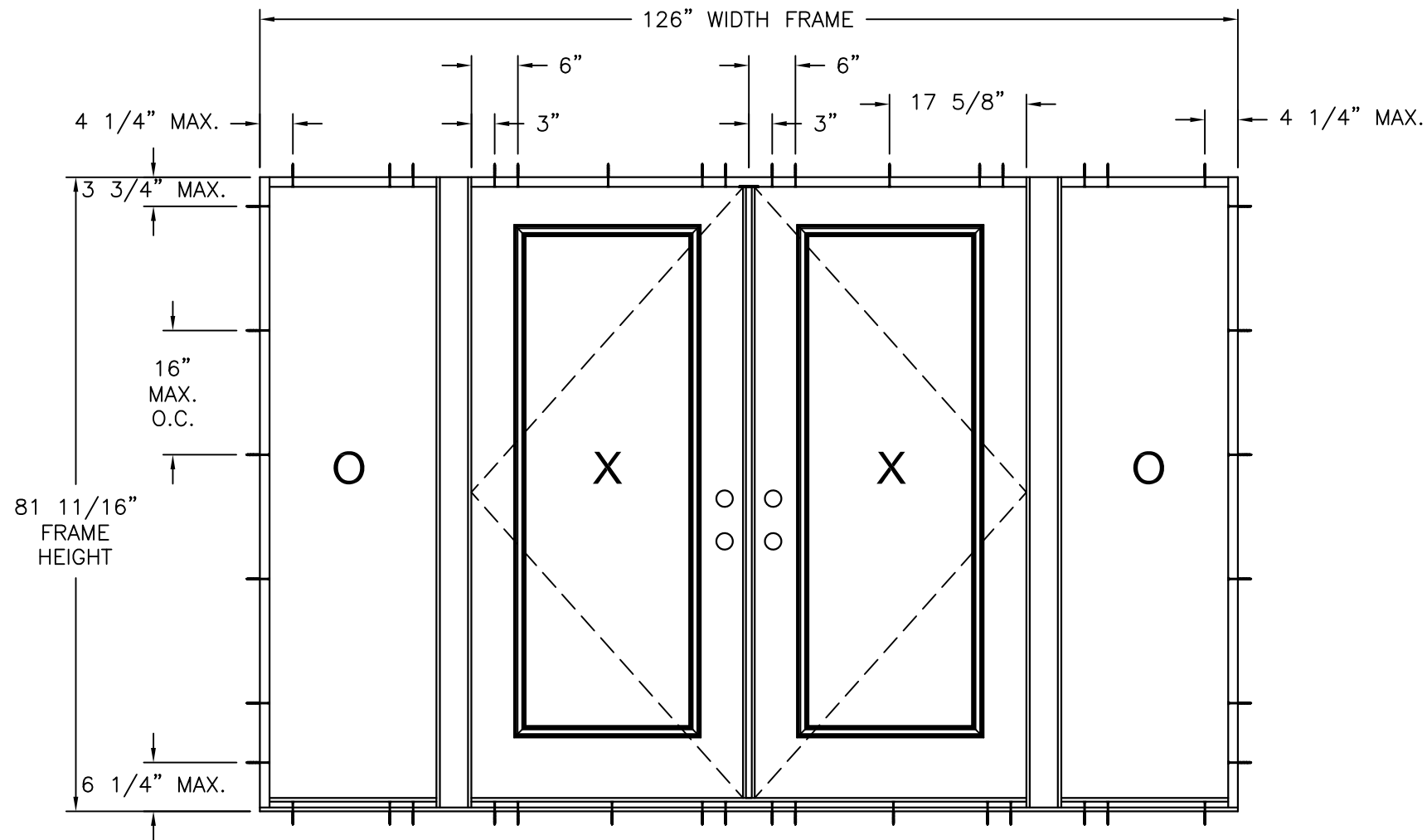
SHEET 1 OF 21

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



SIGNET IS DOOR WITH DIRECT SET SIDELITES
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 50.0\text{PSF}$	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	

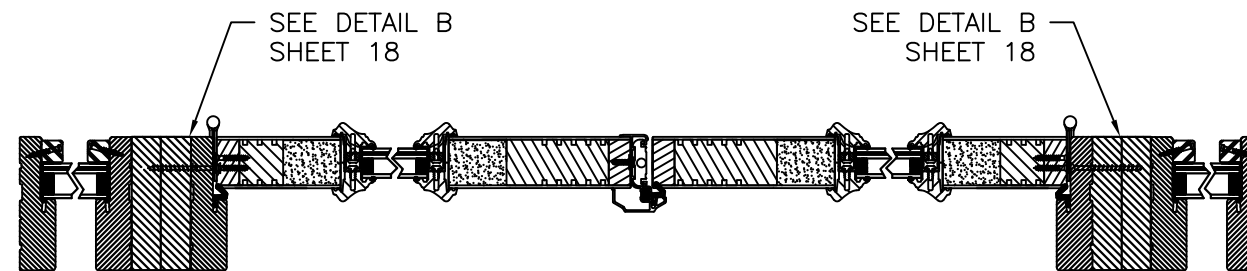
MISSILE LEVEL D, WIND ZONE 3

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"

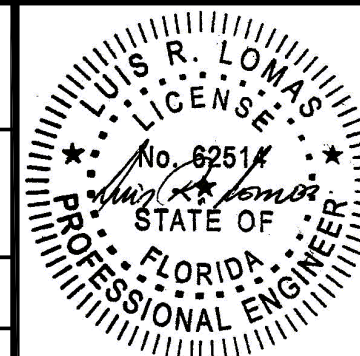
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HORIZONTAL CROSS SECTION

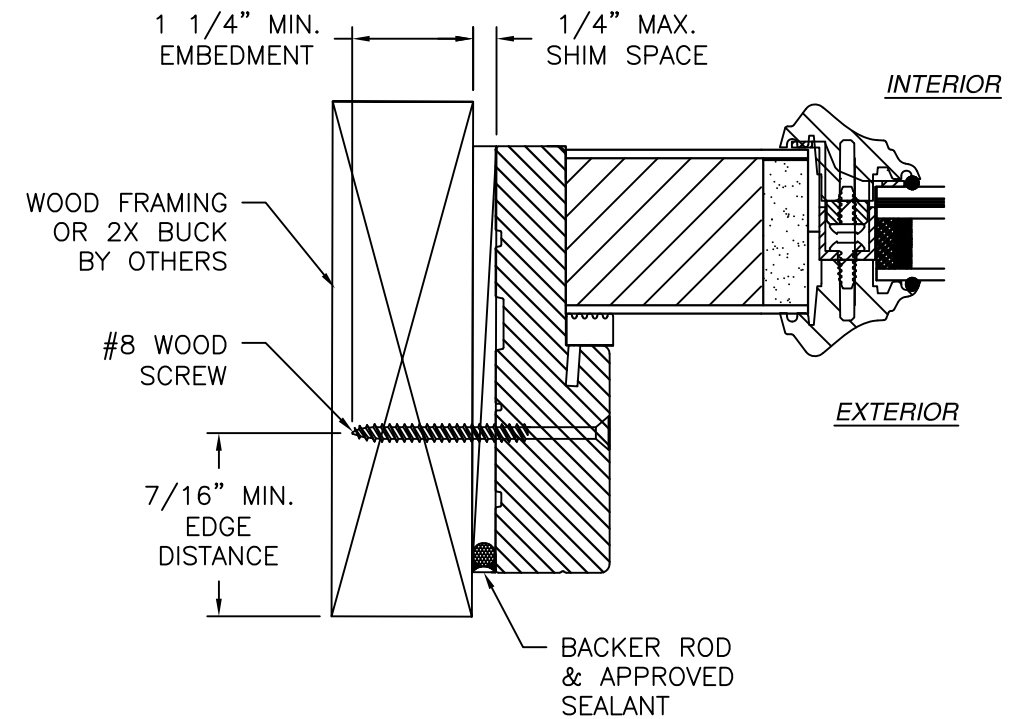
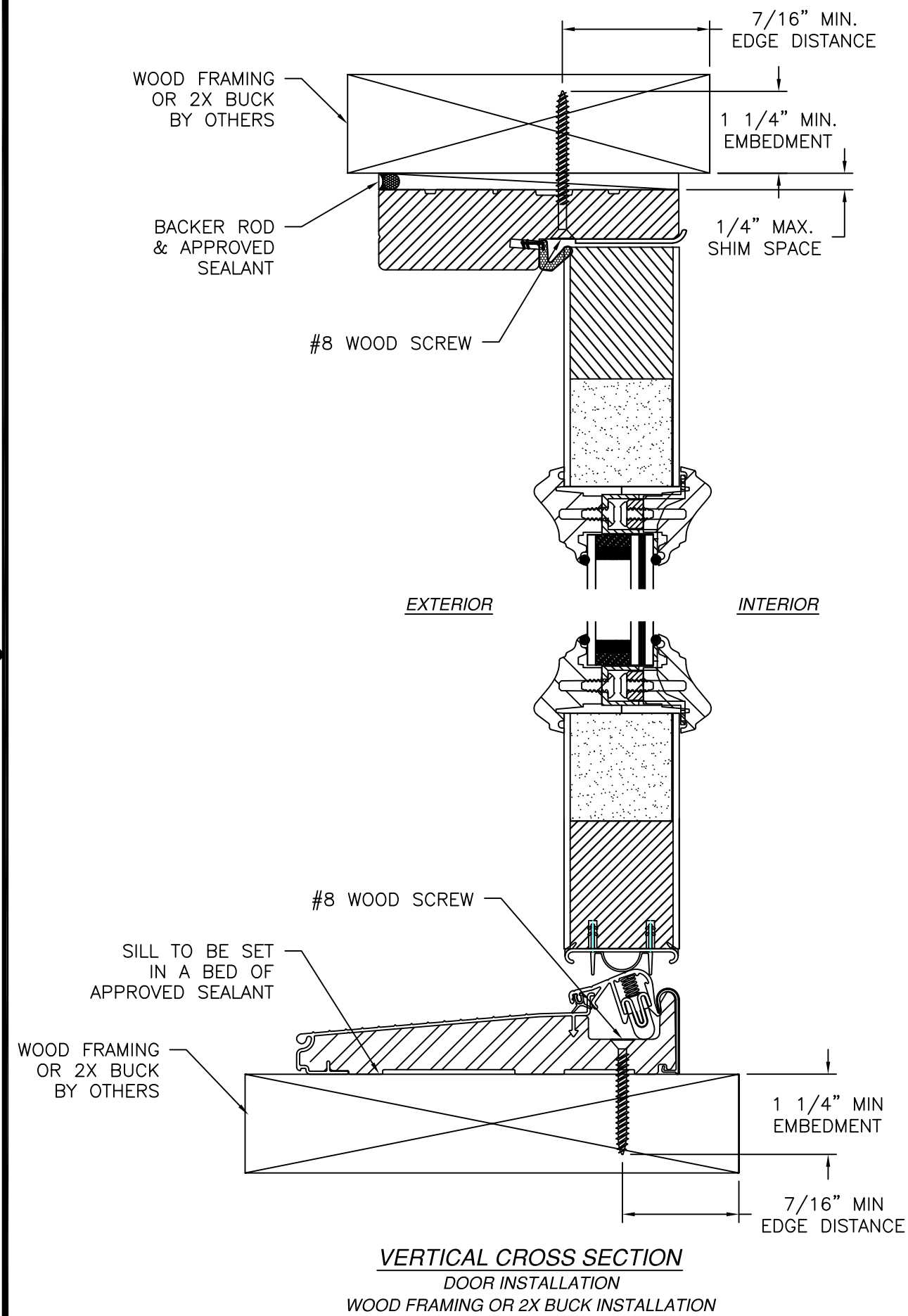
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM - IMPACT ELEVATION		
DRAWN: A.R.	DWG NO. 08-03623	REV E
SCALE NTS	DATE 10/07/2020	SHEET 3 OF 21
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JAMB INSTALLATION DETAIL
DOOR INSTALLATION
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:
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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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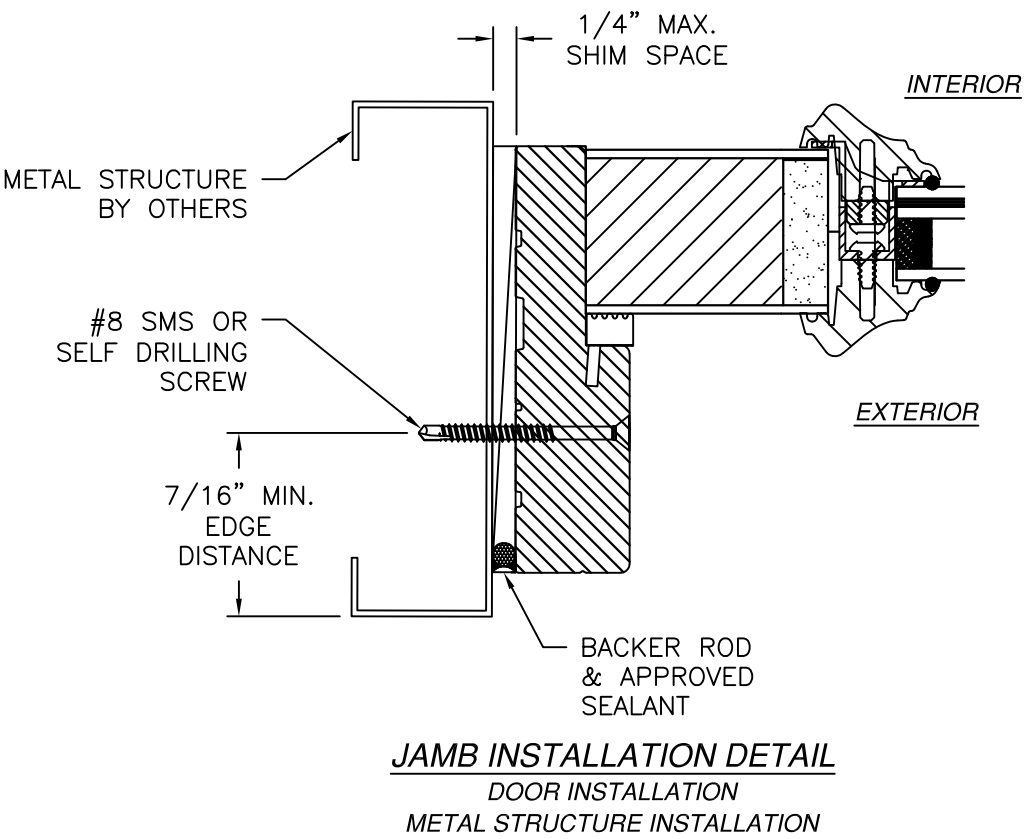
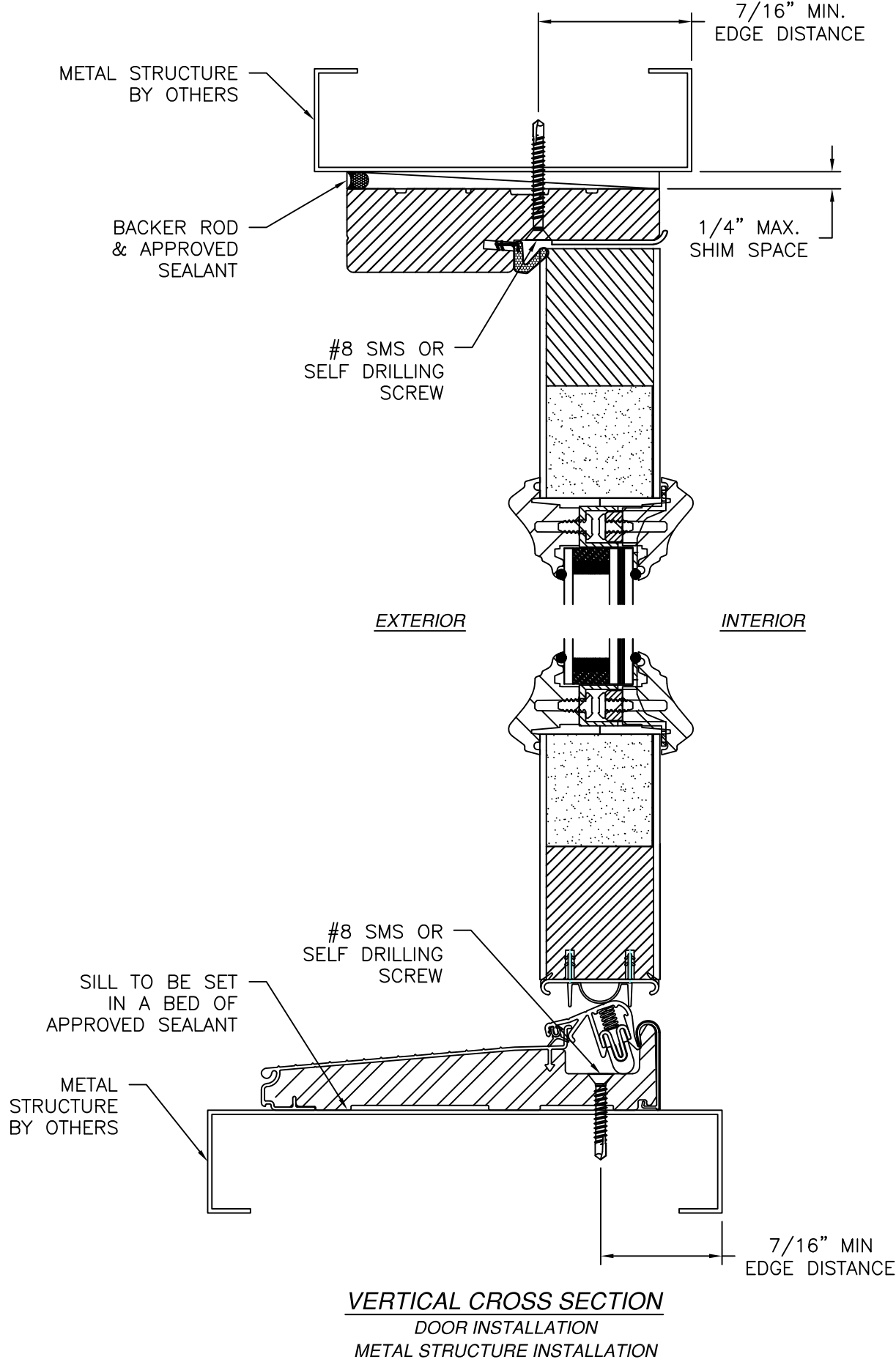
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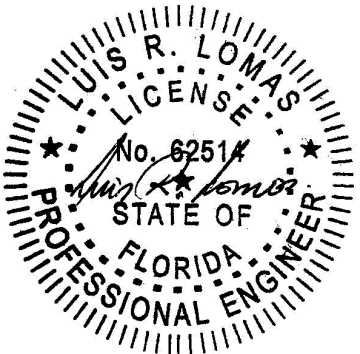
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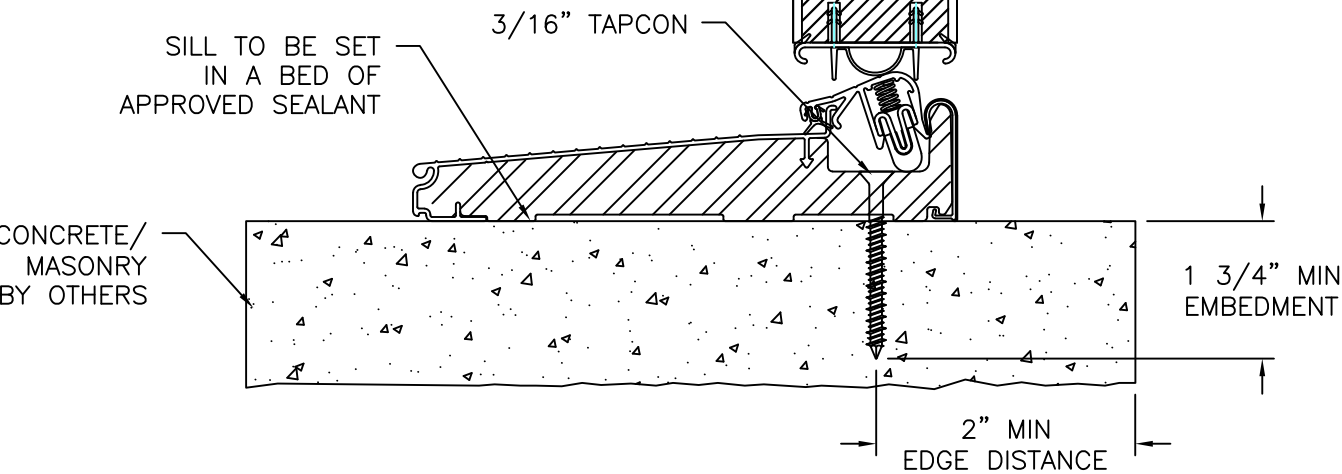
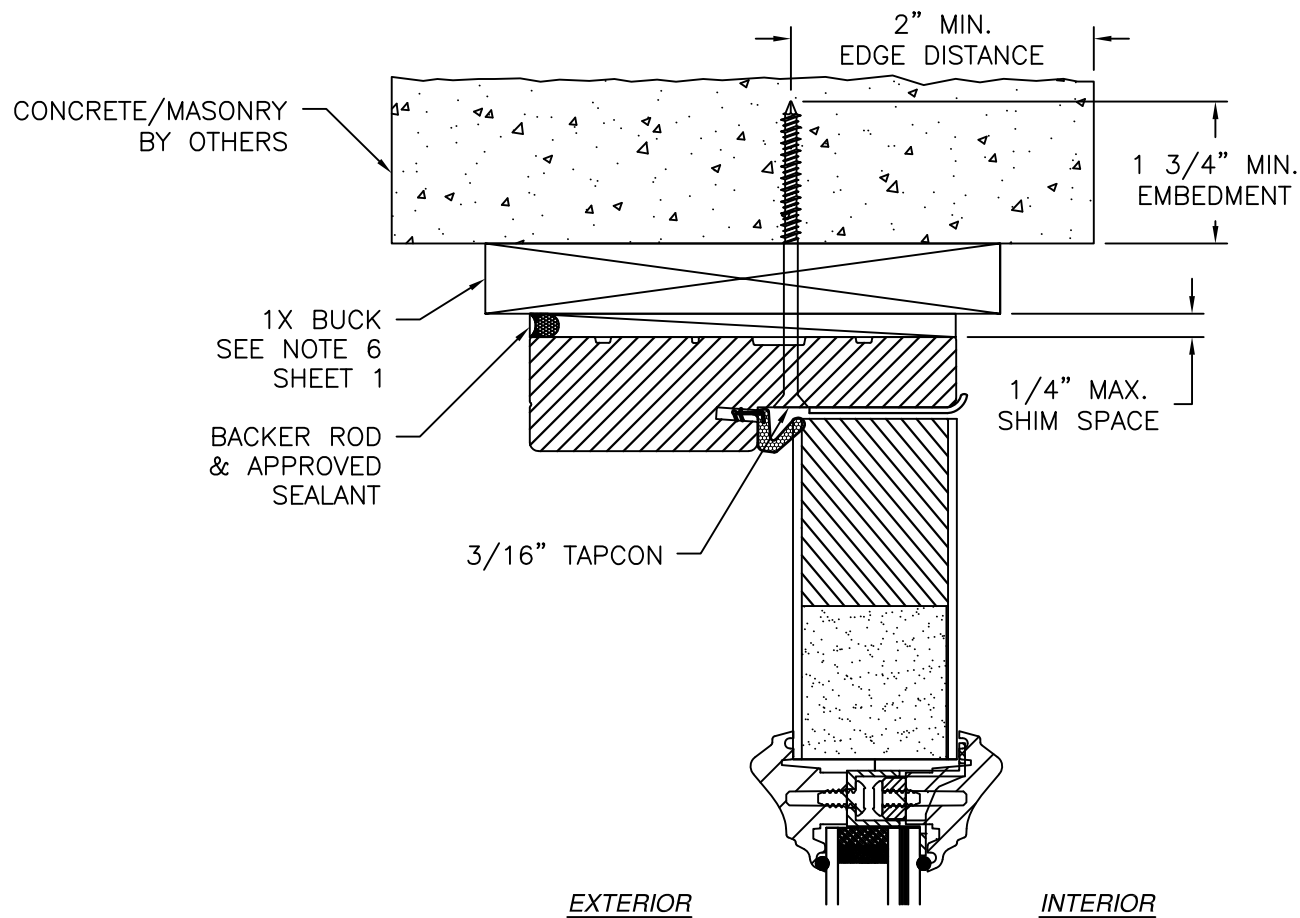
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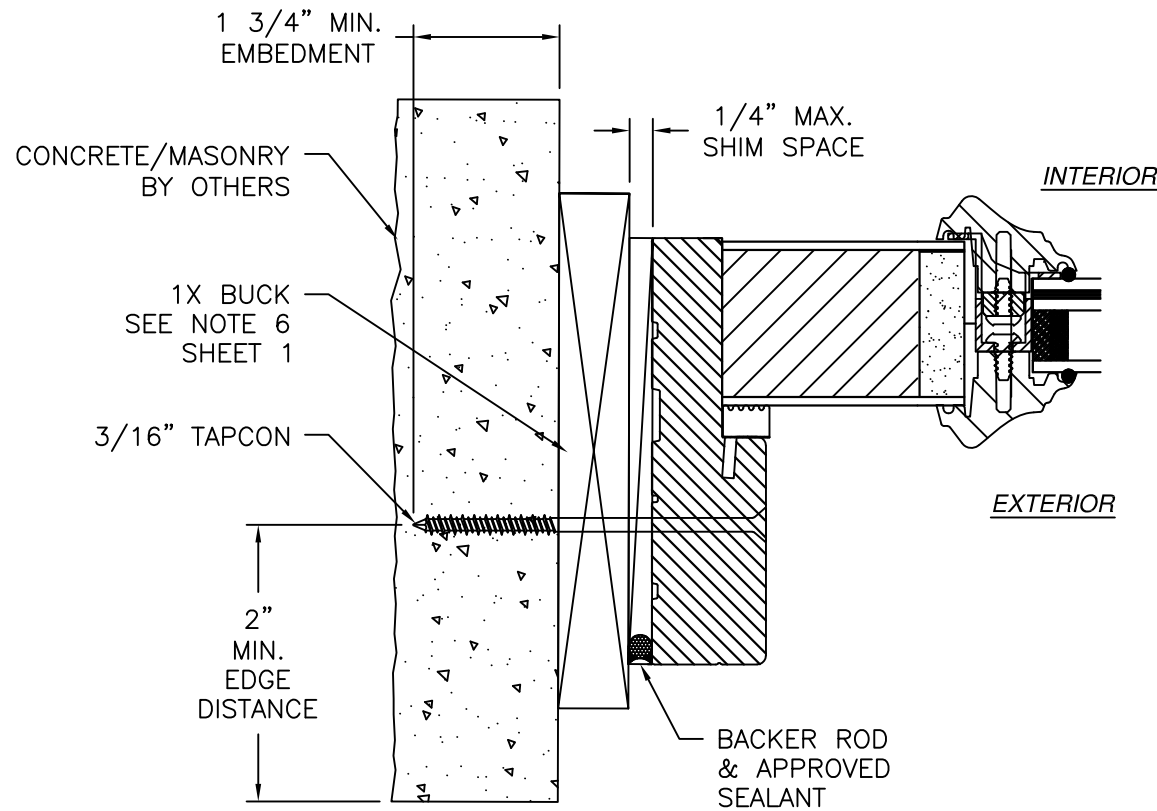
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VERTICAL CROSS SECTION
DOOR INSTALLATION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
DOOR INSTALLATION
CONCRETE/MASONRY INSTALLATION

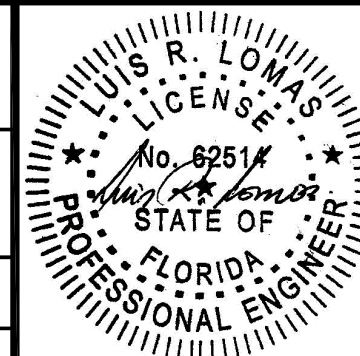
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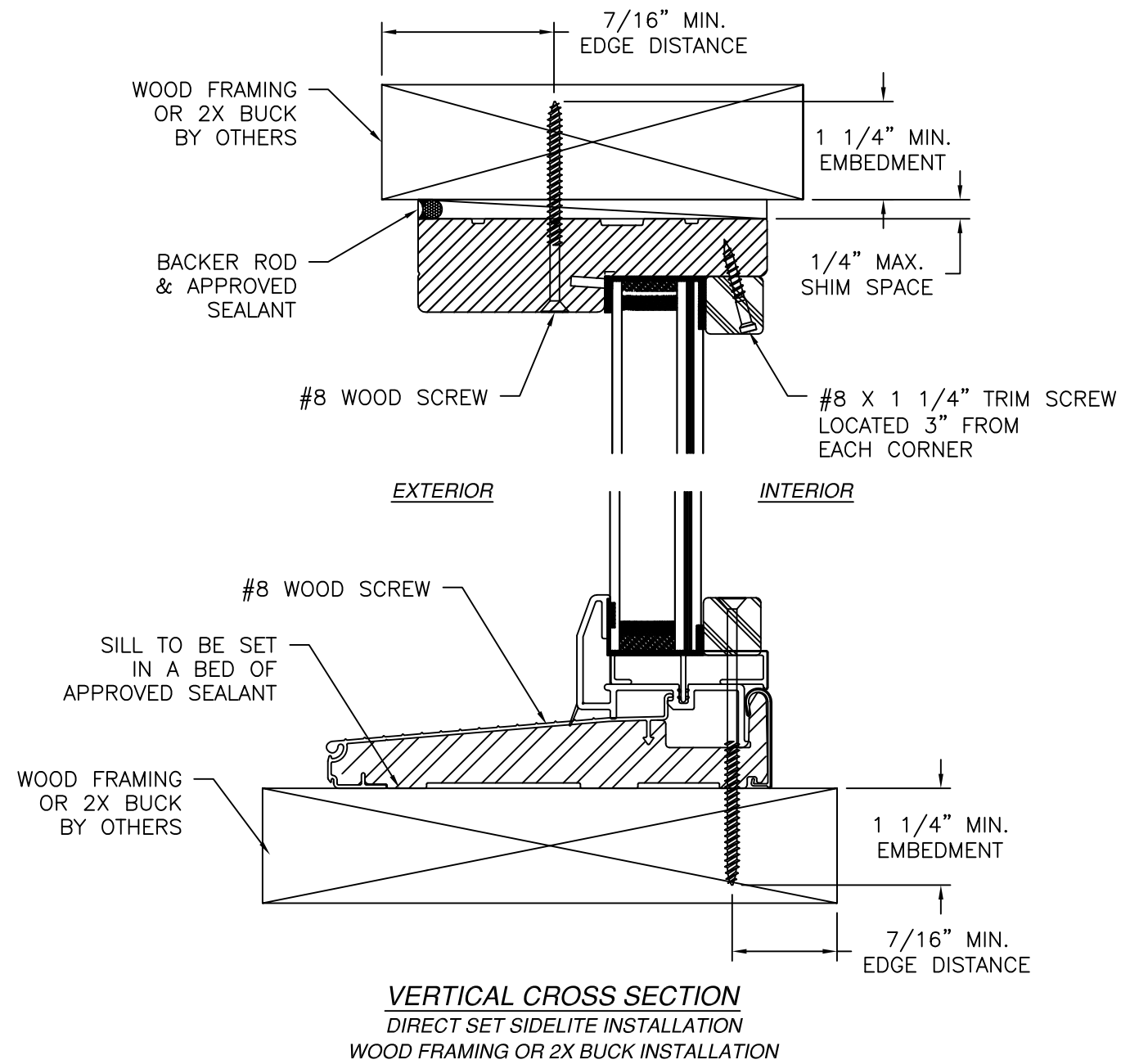
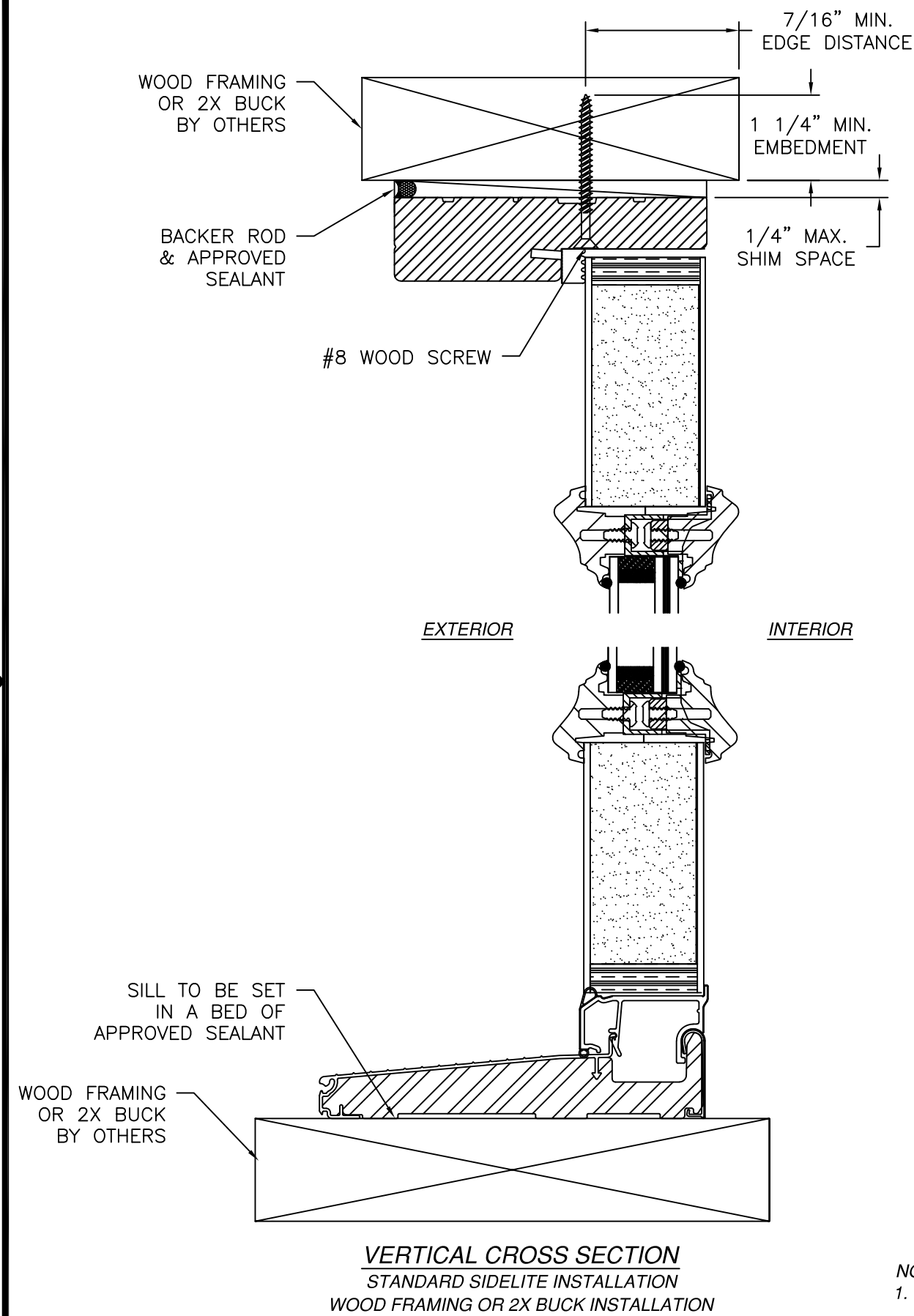
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SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM - IMPACT INSTALLATION DETAILS		
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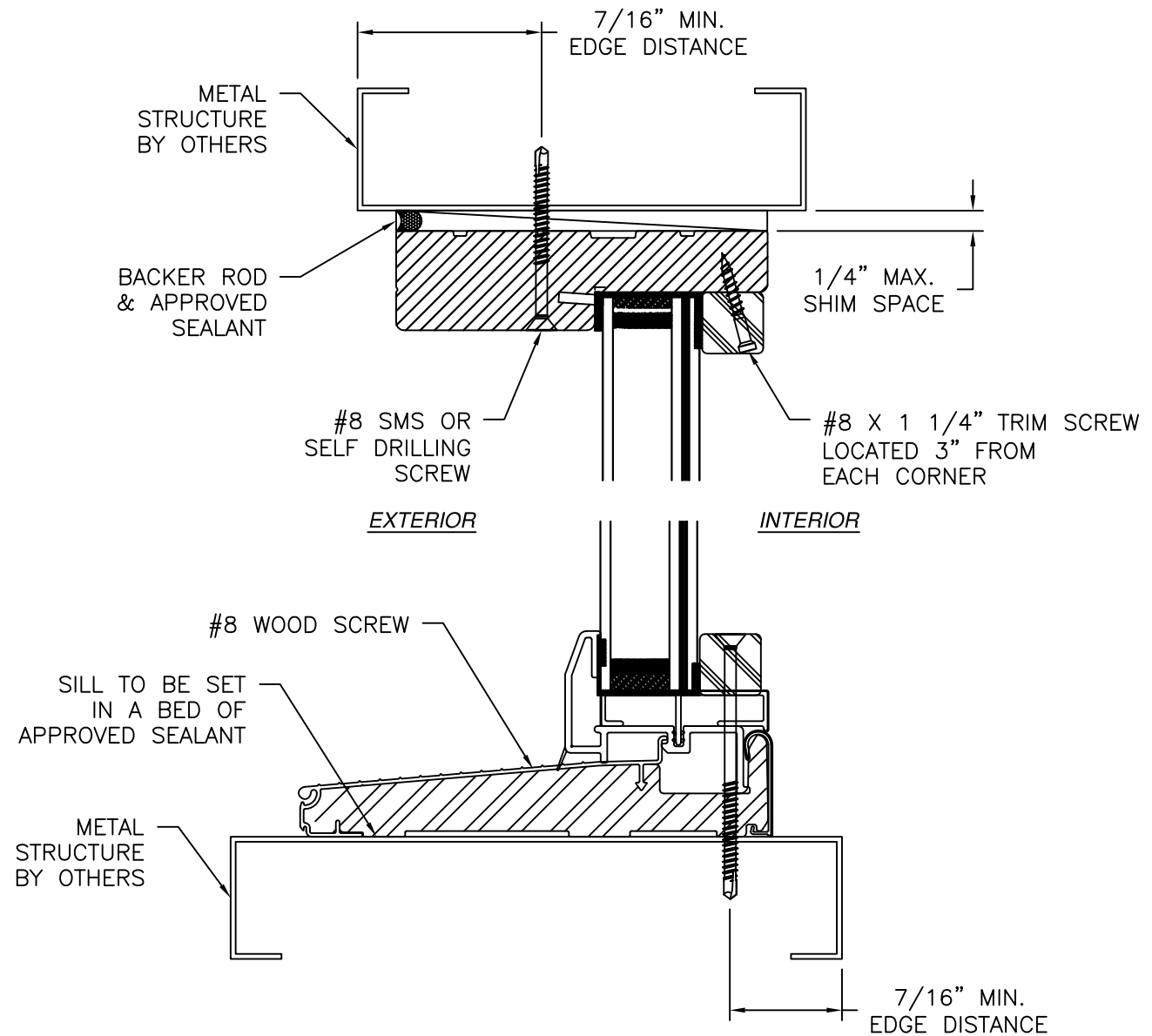
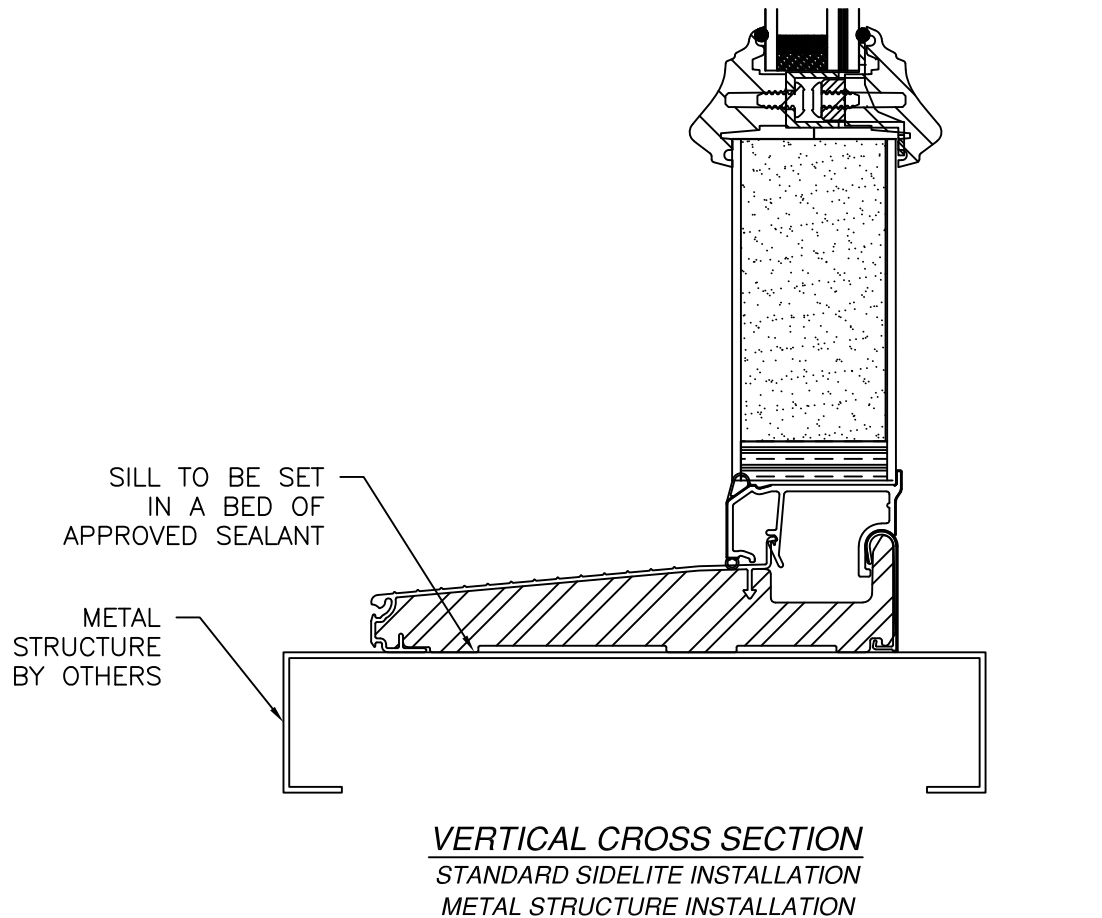
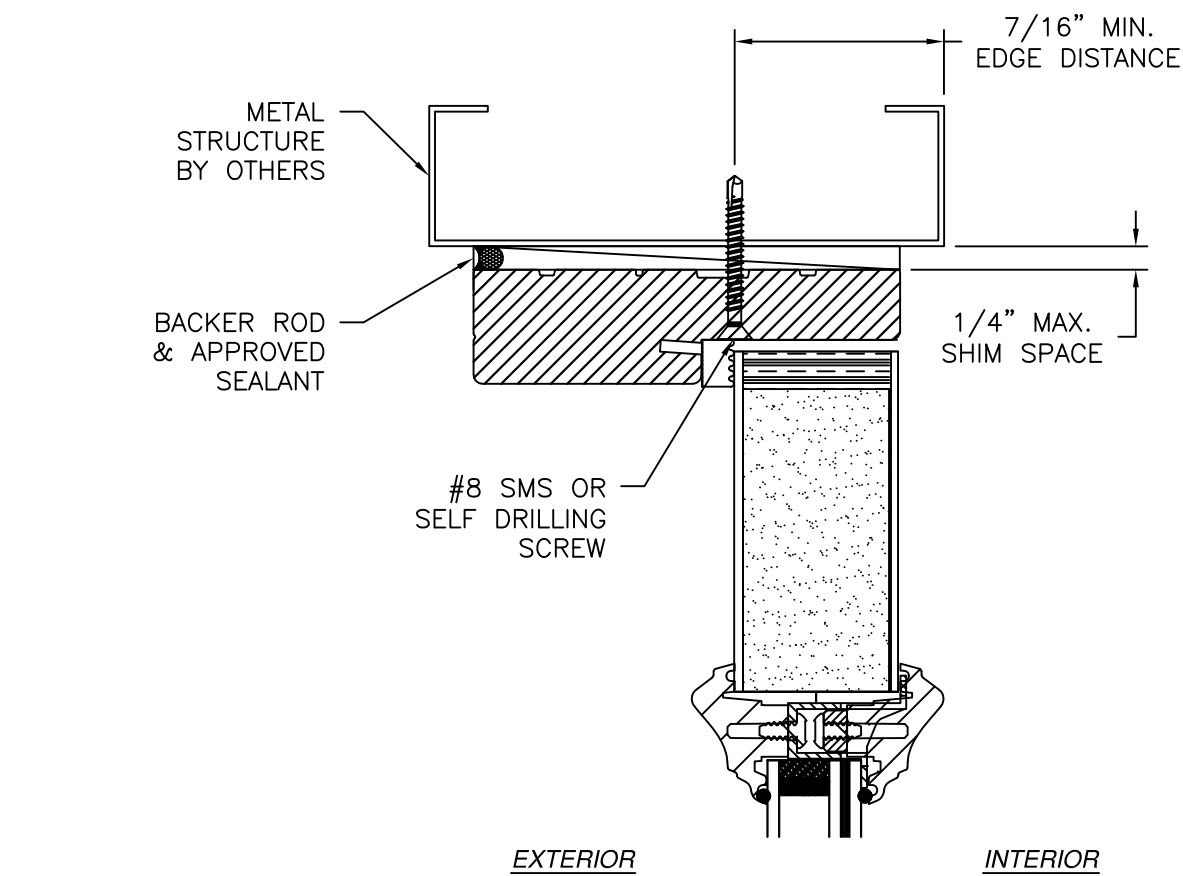
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VERTICAL CROSS SECTION
DIRECT SET SIDELITE INSTALLATION
METAL STRUCTURE INSTALLATION

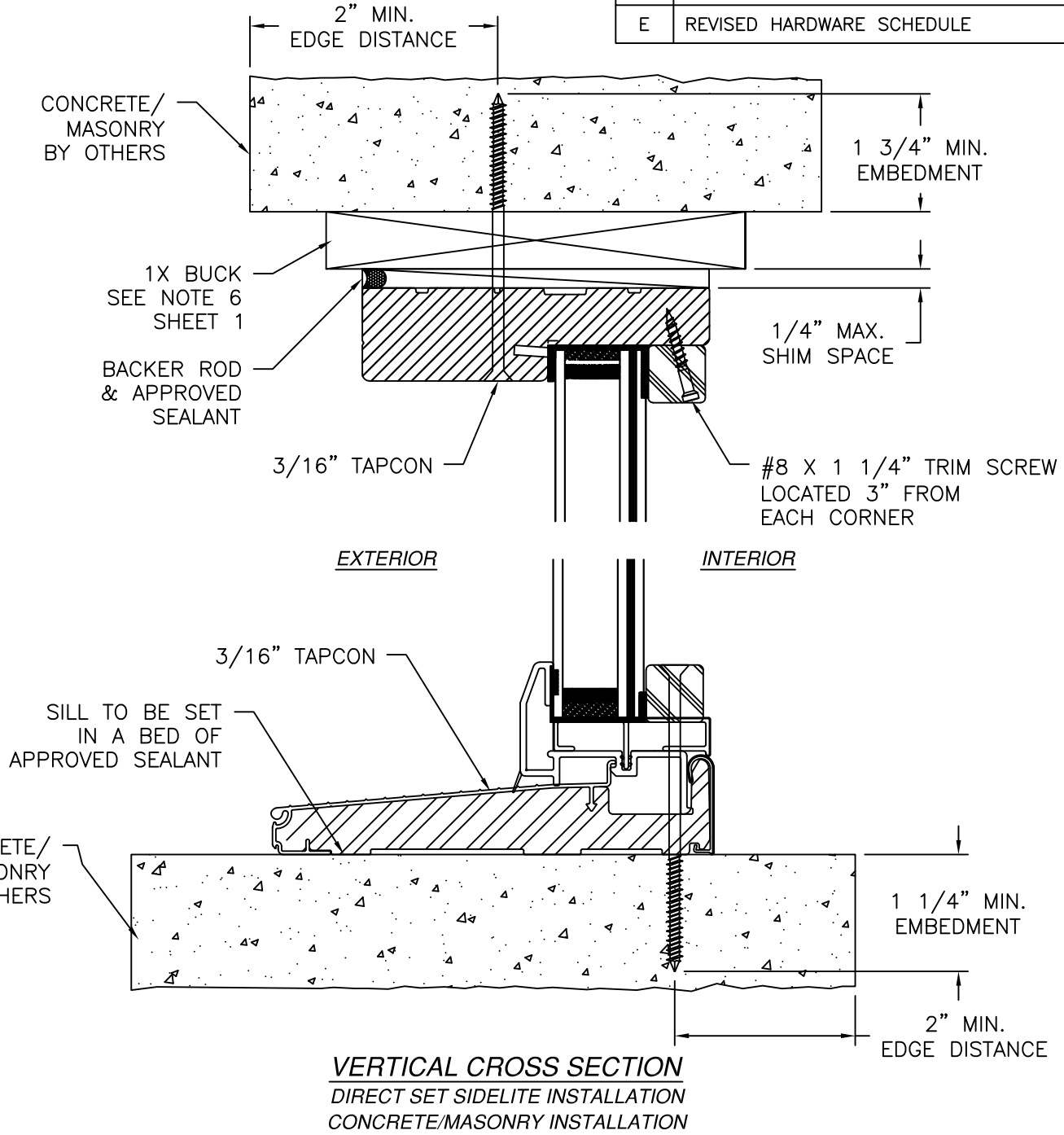
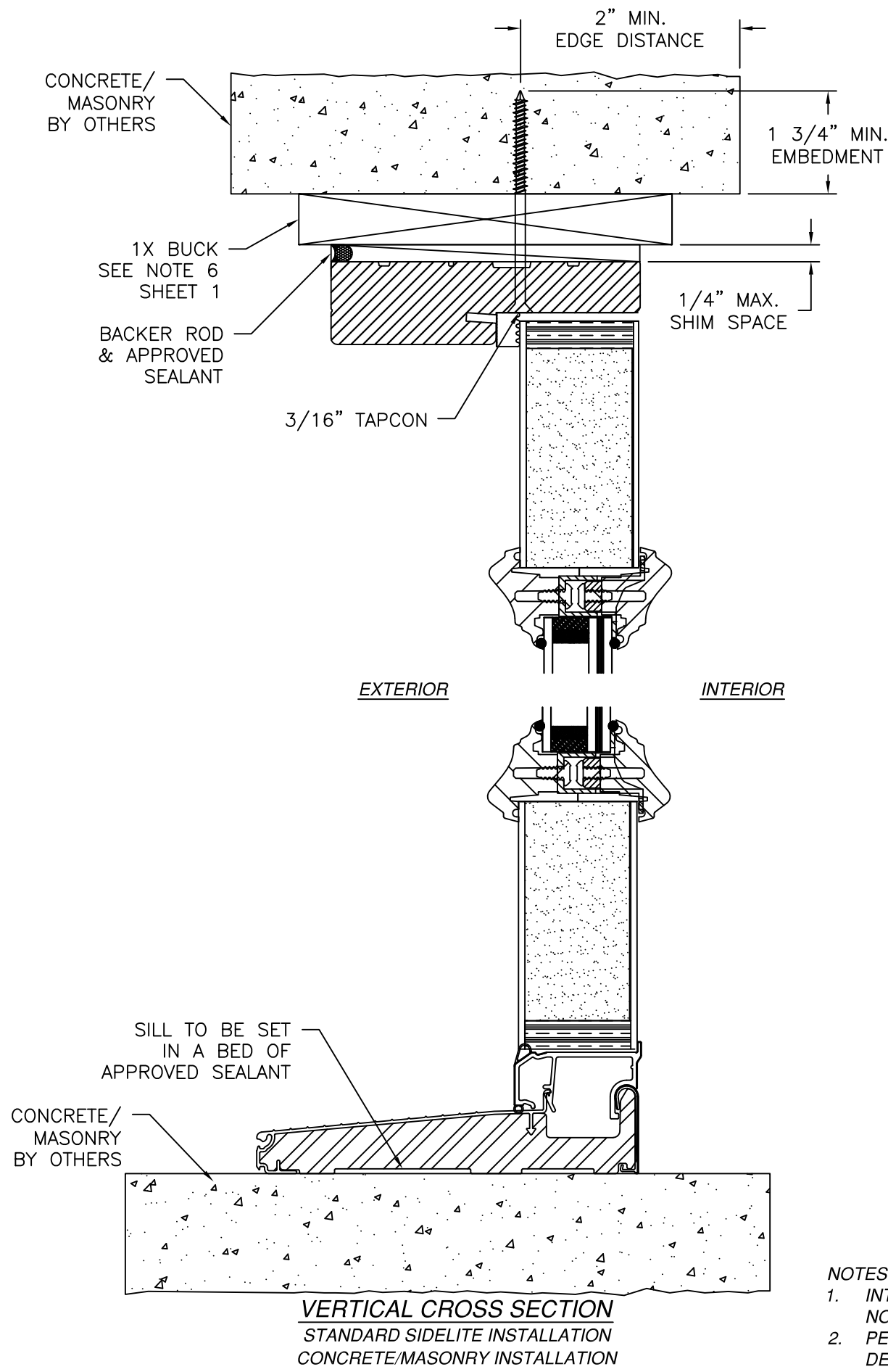
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W/PLUGLESS TRIM - IMPACT

INSTALLATION DETAILS

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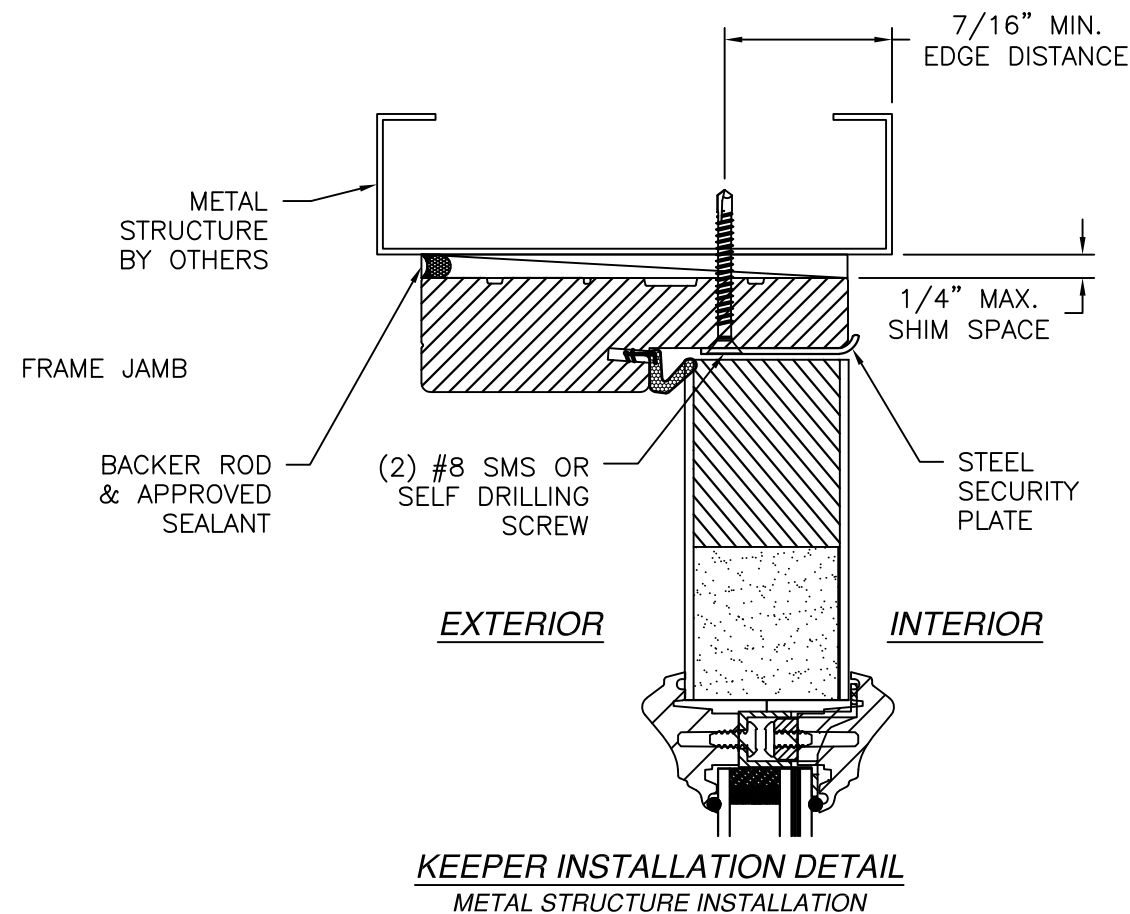
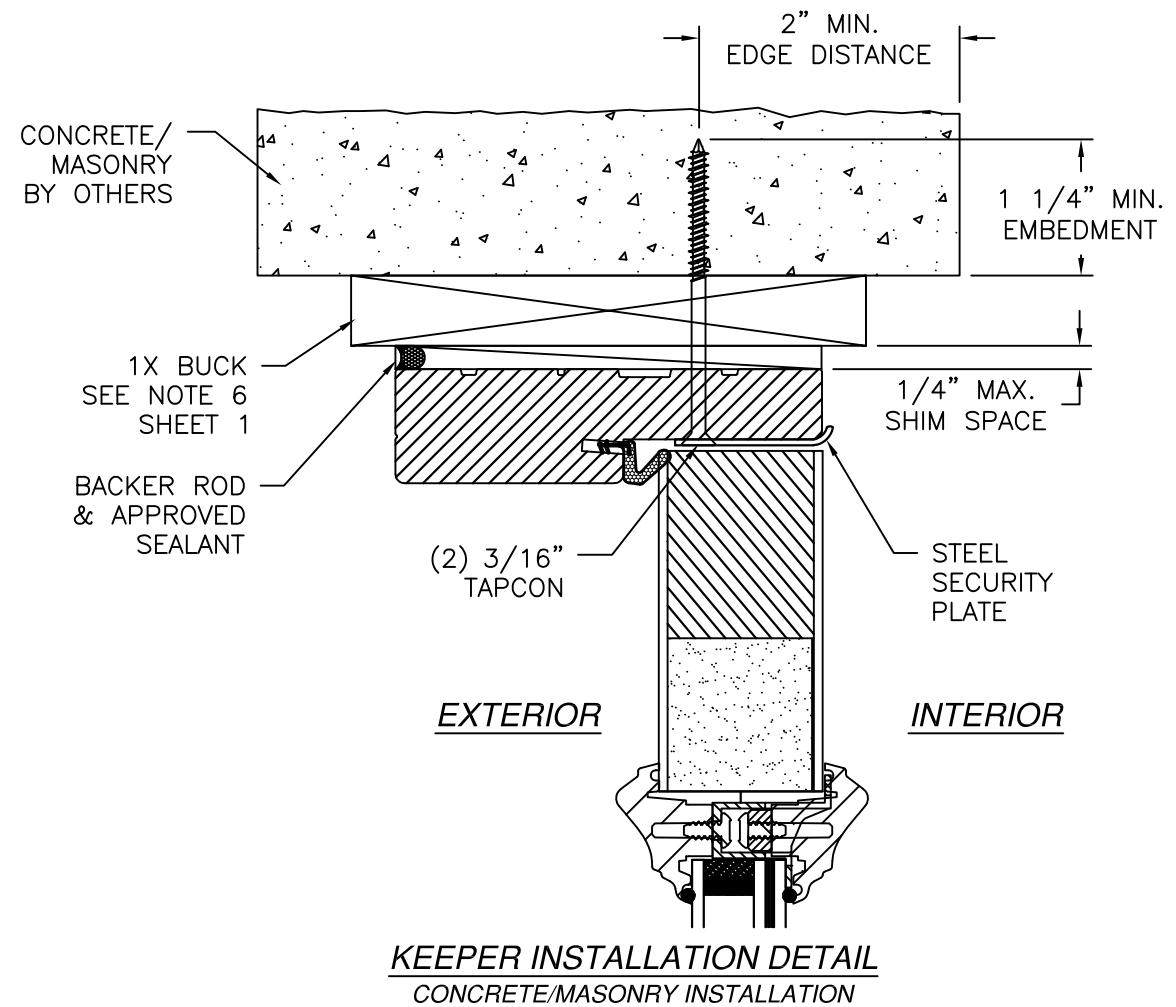
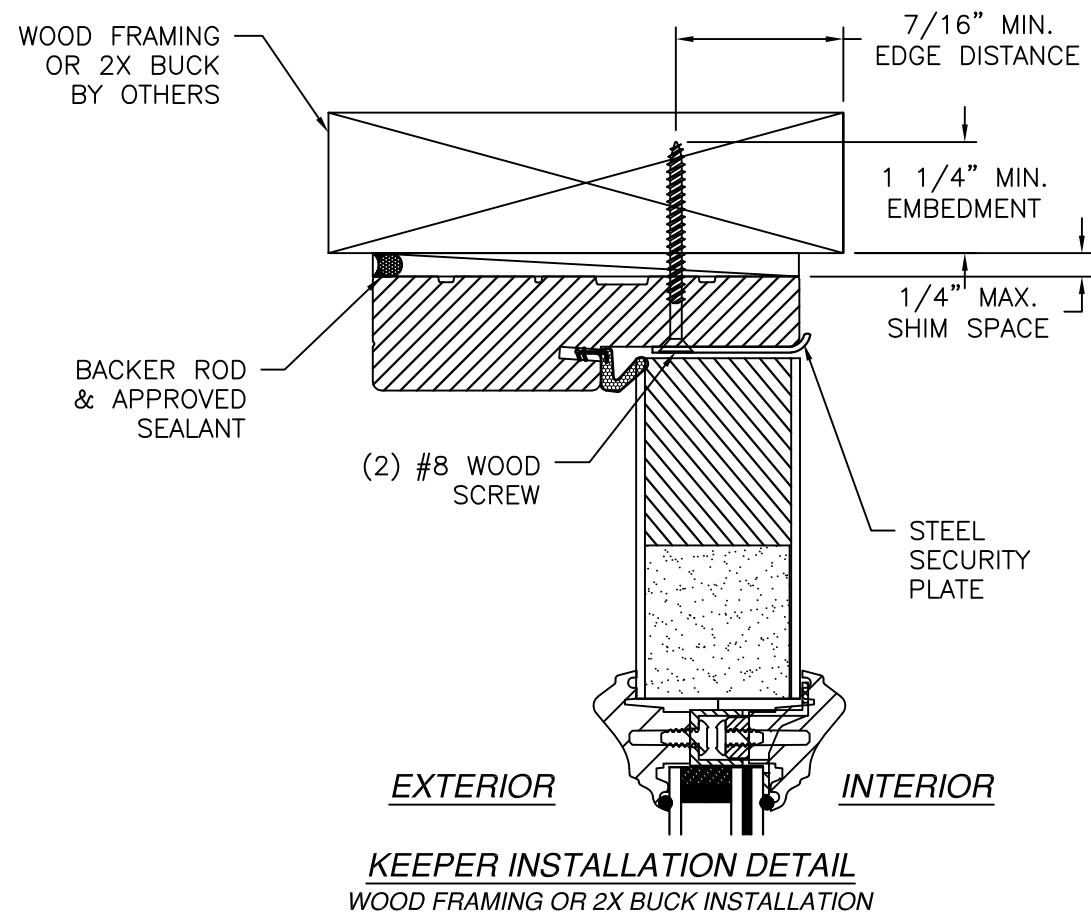
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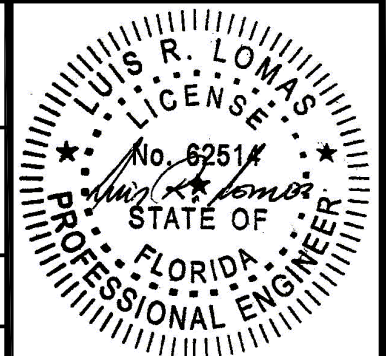
SHEET 10 OF 21

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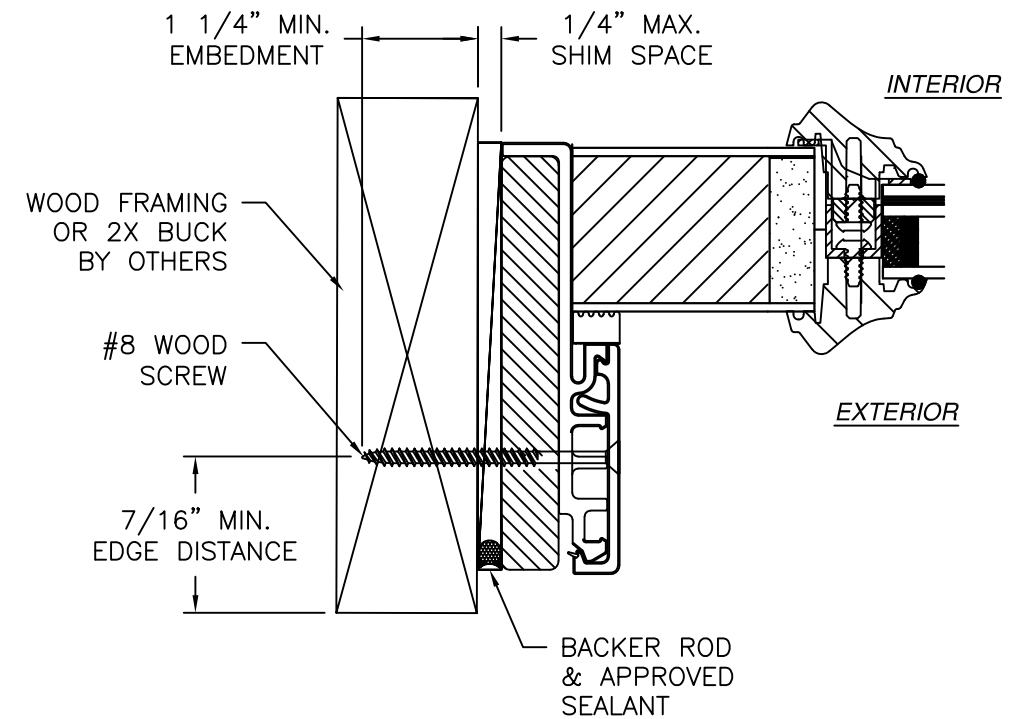
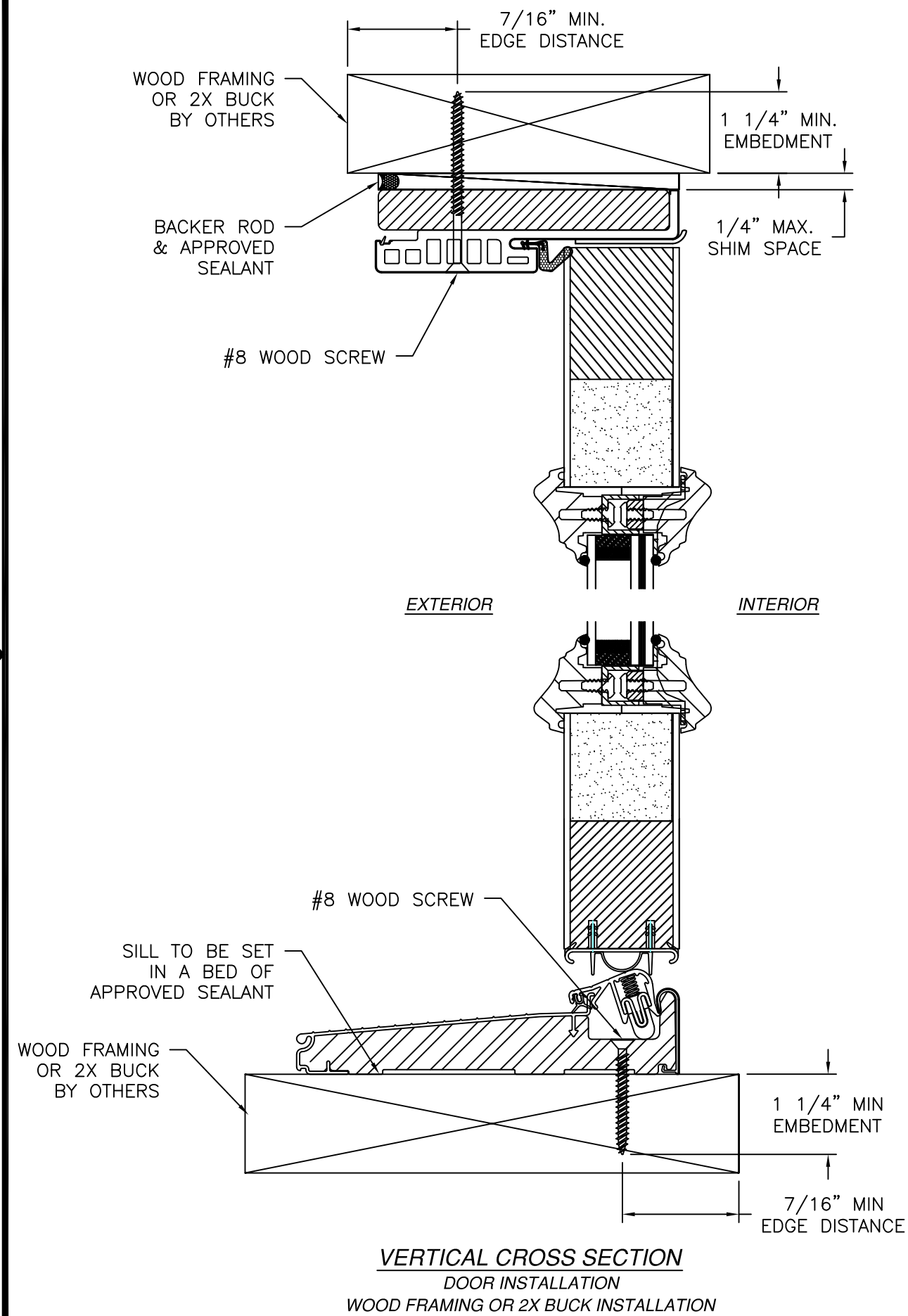
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JAMB INSTALLATION DETAIL
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W/PLUGLESS TRIM – IMPACT

INSTALLATION DETAILS W/FUSION FRAME

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SHEET 11 OF 21

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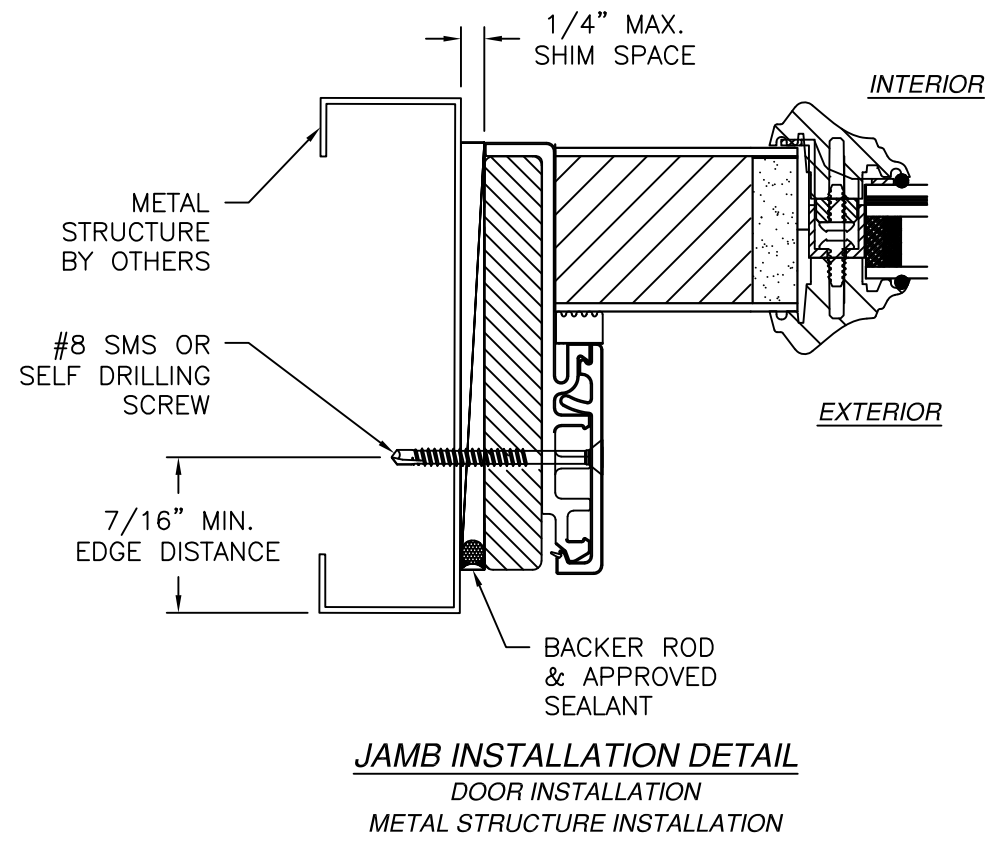
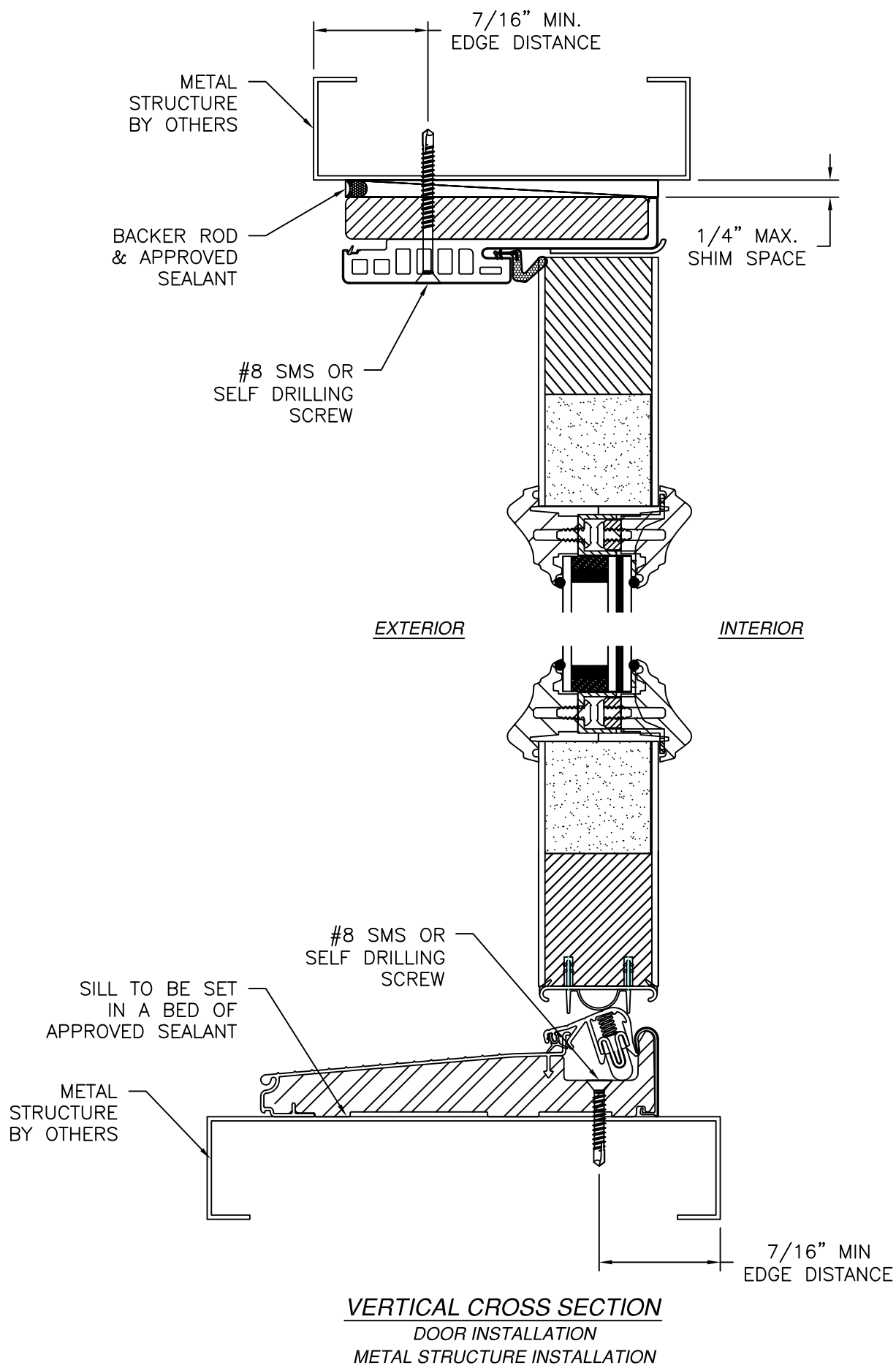
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W/PLUGLESS TRIM - IMPACT

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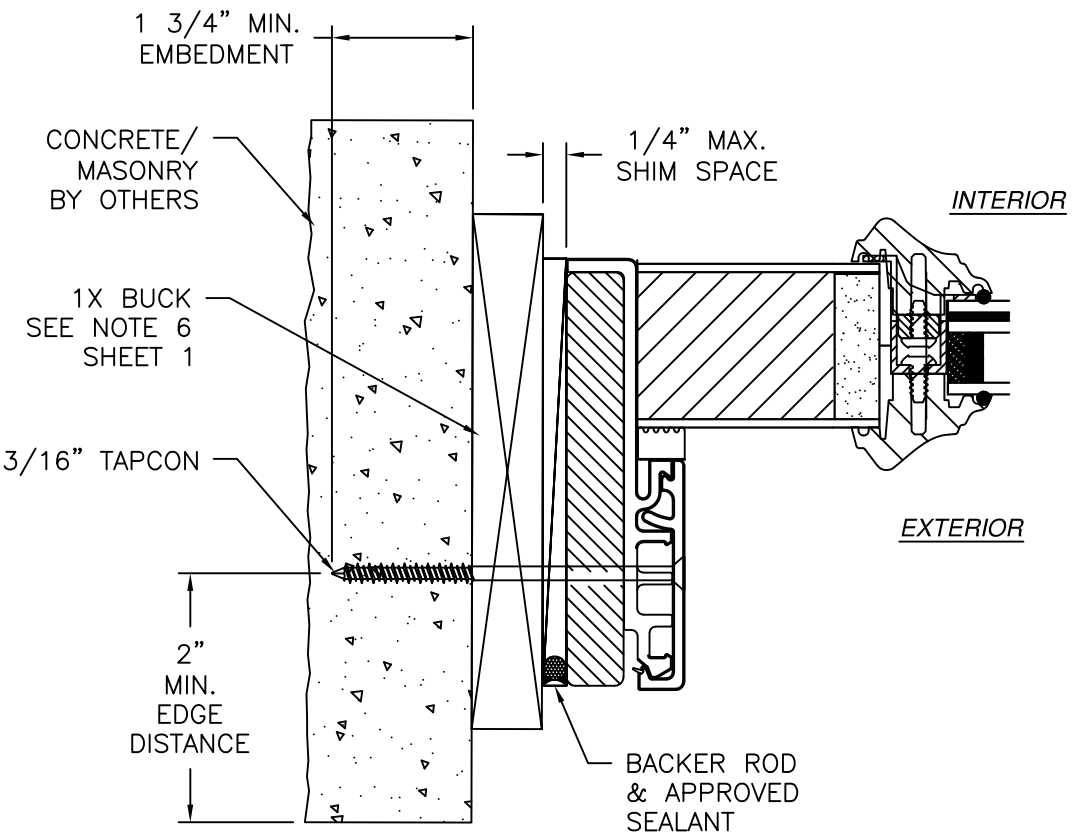
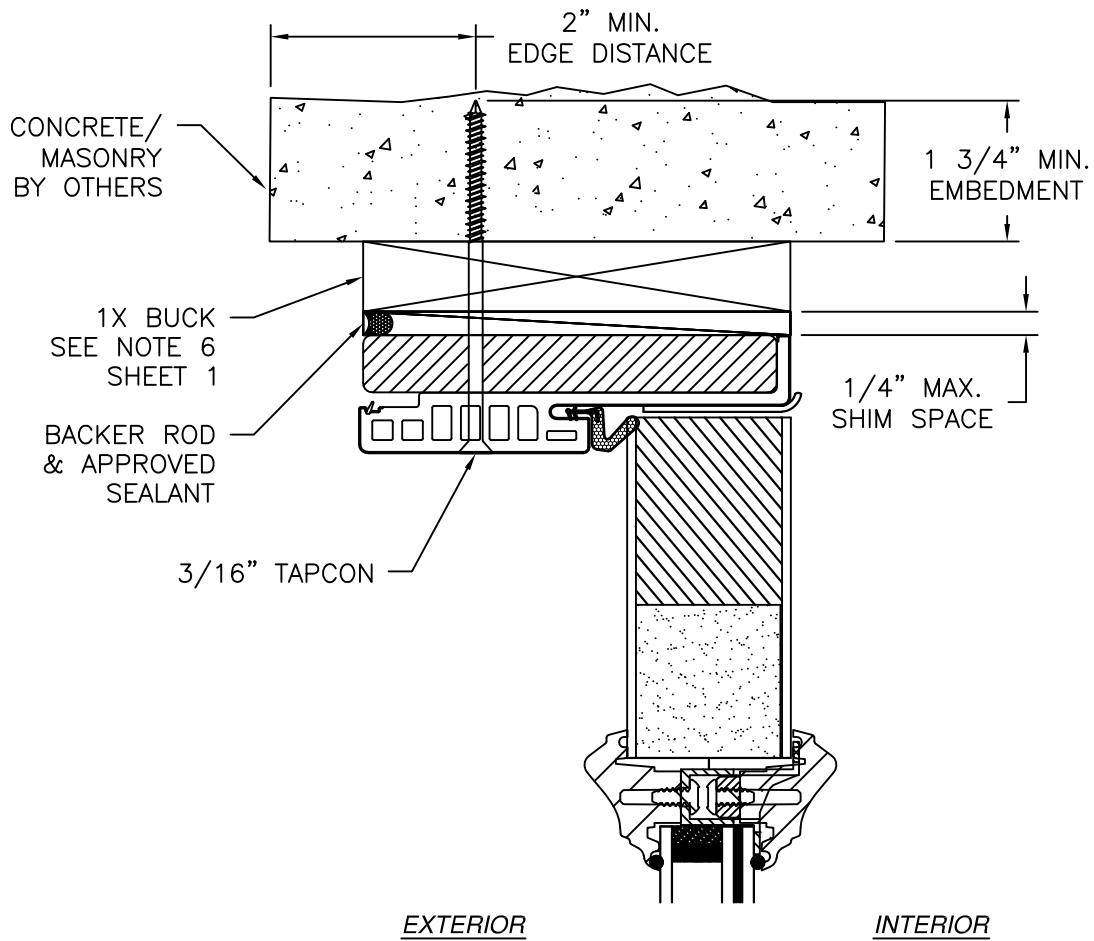
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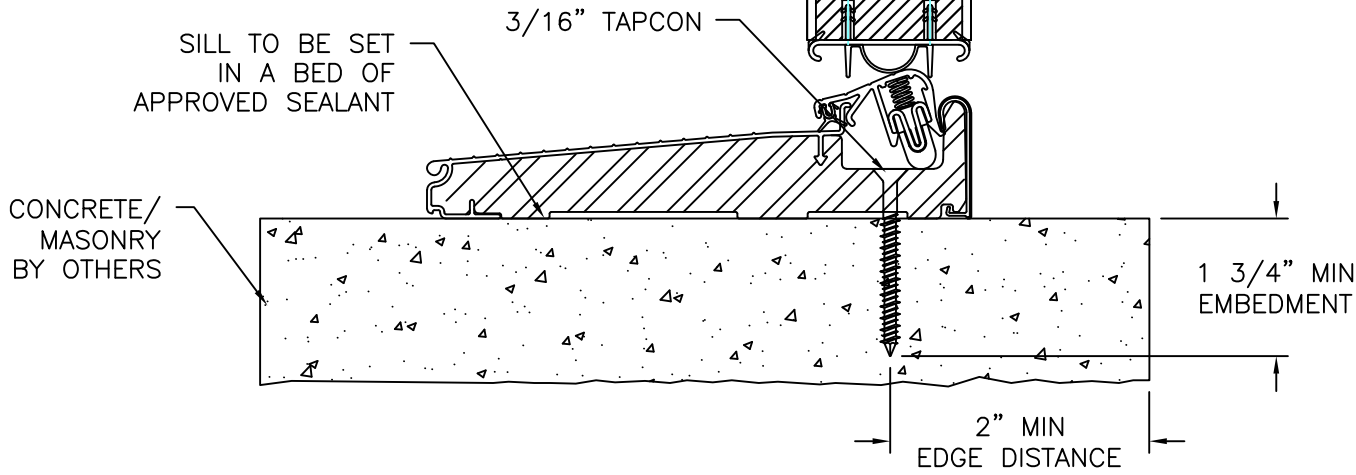
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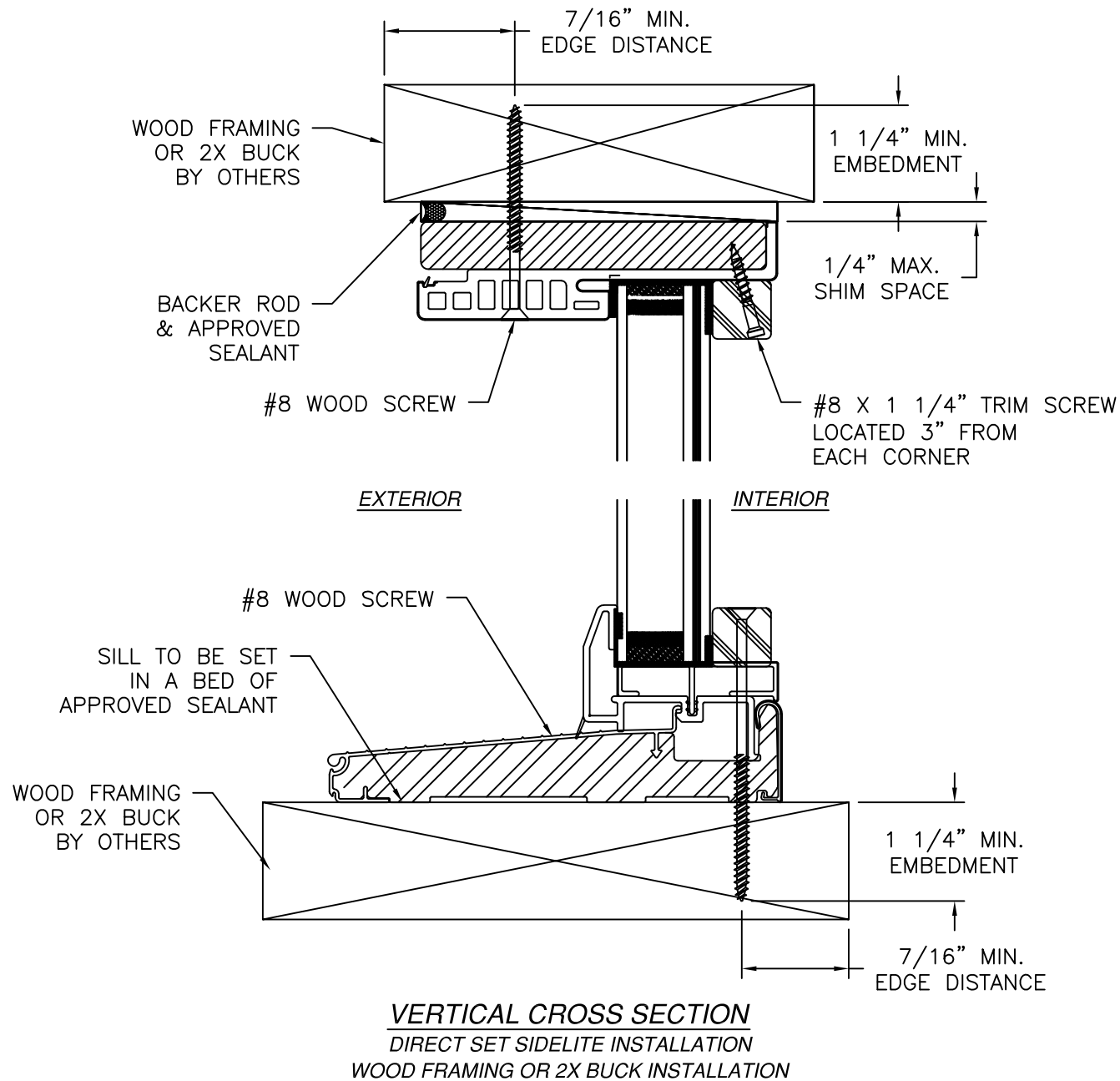
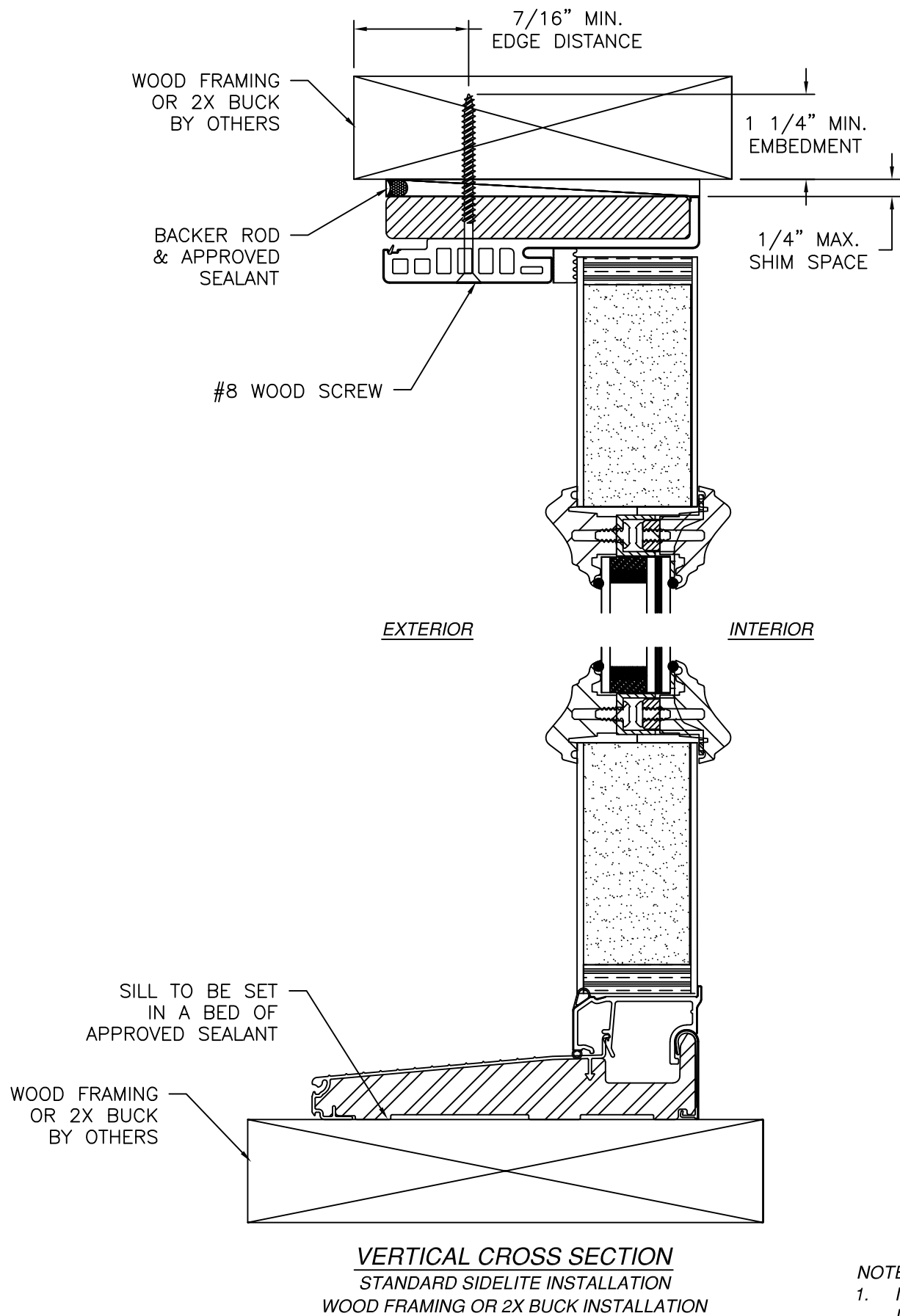
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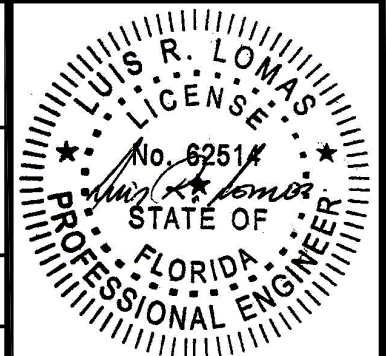
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

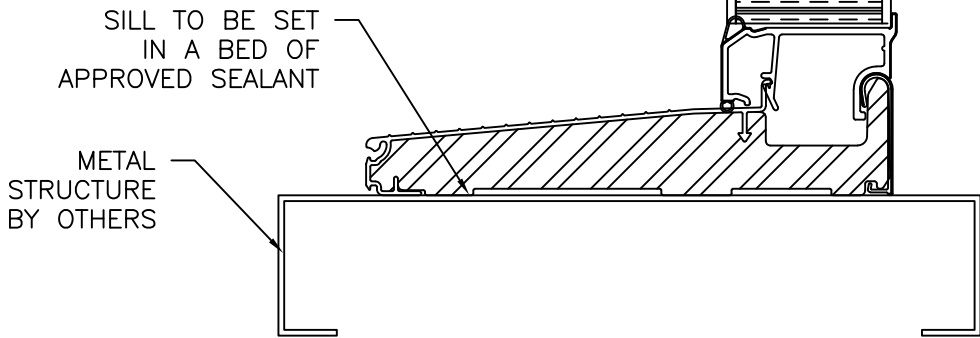
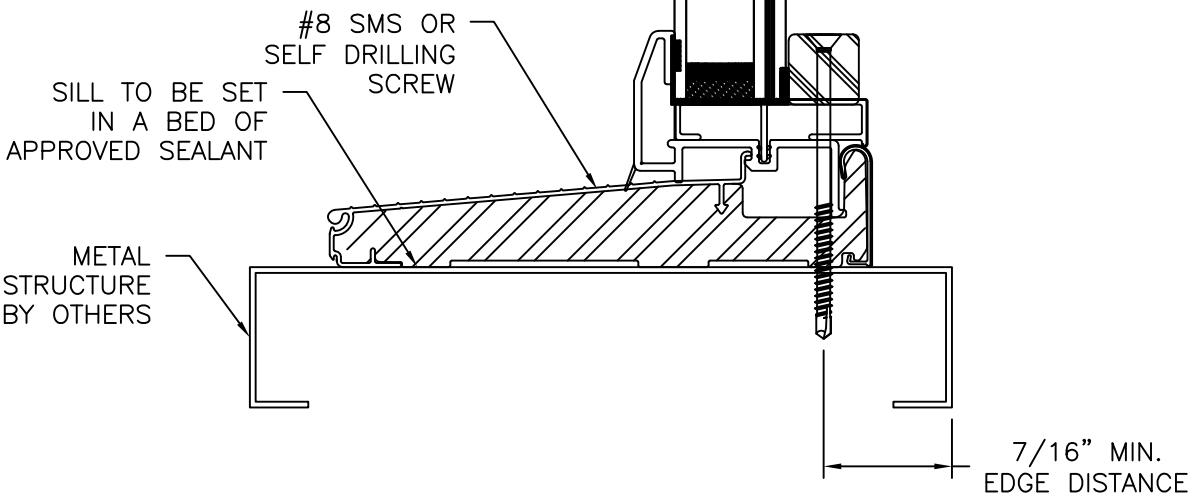
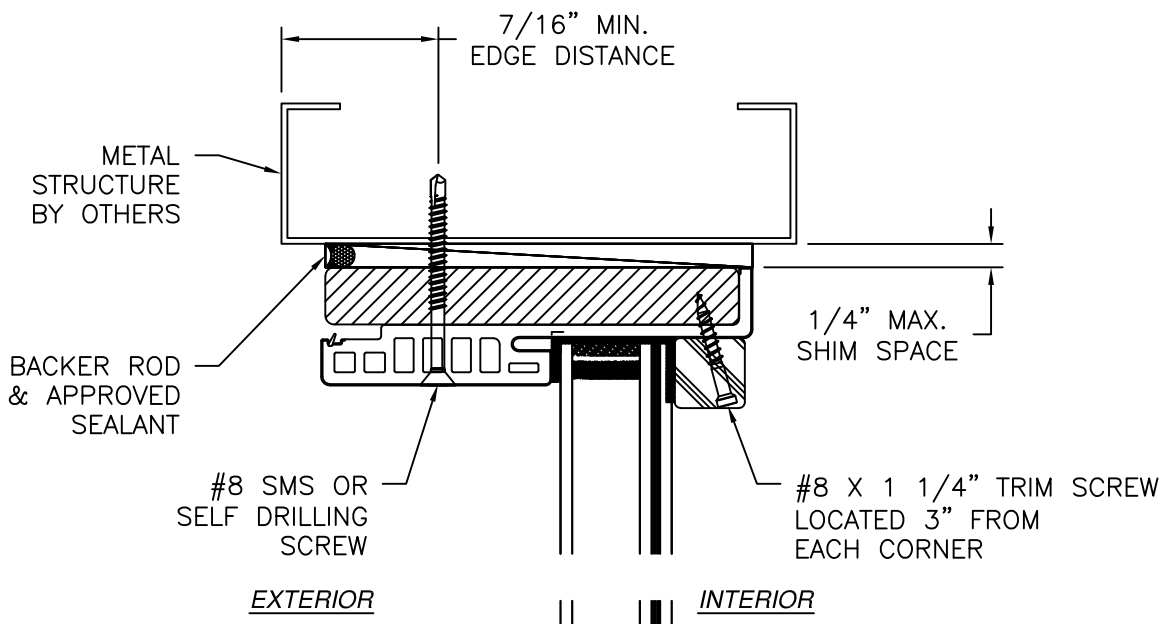
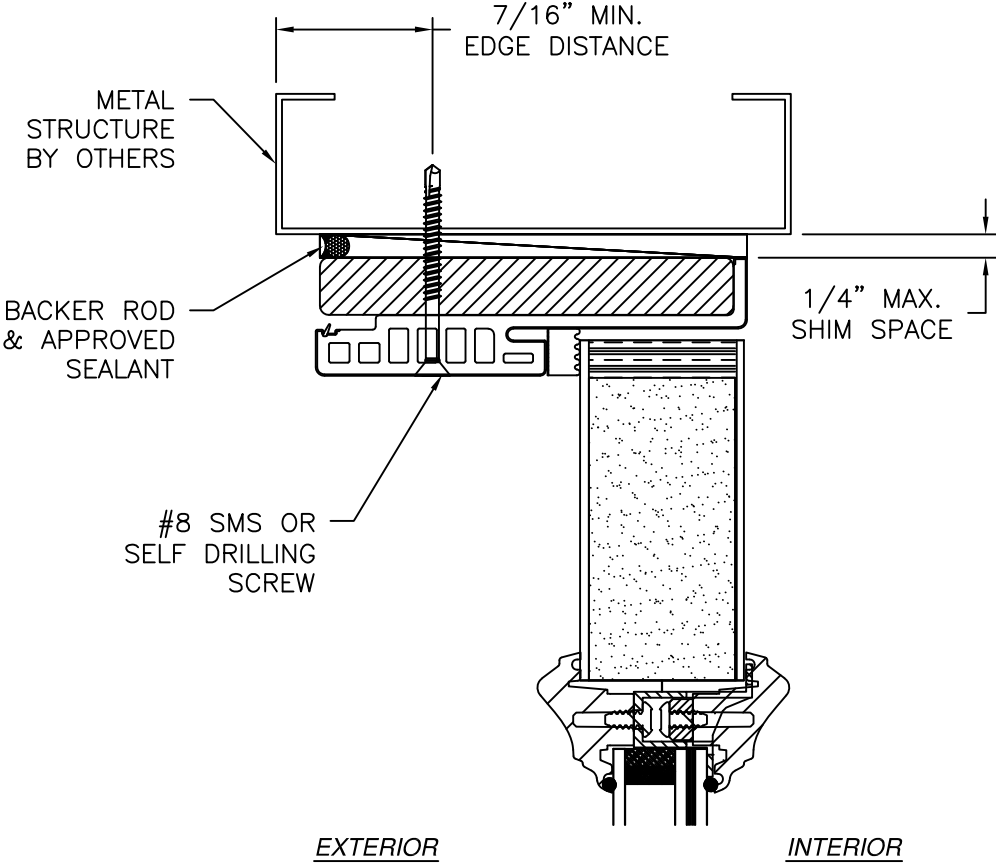
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM - IMPACT INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: A.R.	DWG NO. 08-03623	REV E
SCALE NTS	DATE 10/07/2020	SHEET 14 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609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

SIGNED: 09/14/2026



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

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



VERTICAL CROSS SECTION
STANDARD SIDELITE INSTALLATION
METAL STRUCTURE INSTALLATION

VERTICAL CROSS SECTION
DIRECT SET SIDELITE INSTALLATION
METAL STRUCTURE 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 E

SCALE NTS

DATE 10/07/2020

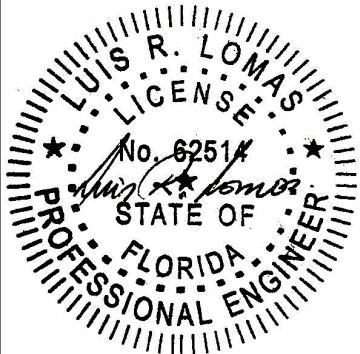
SHEET 15 OF 21

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

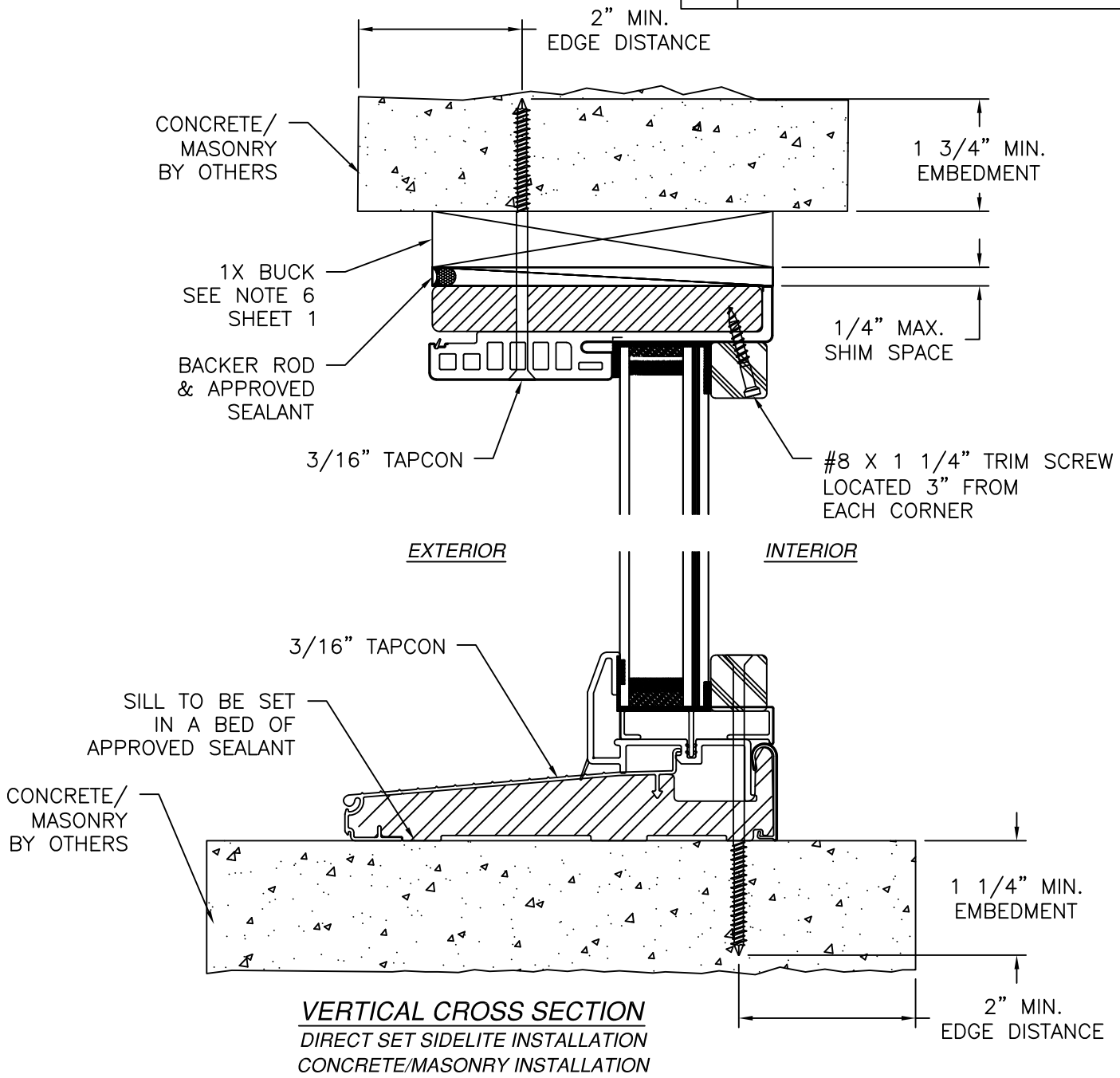
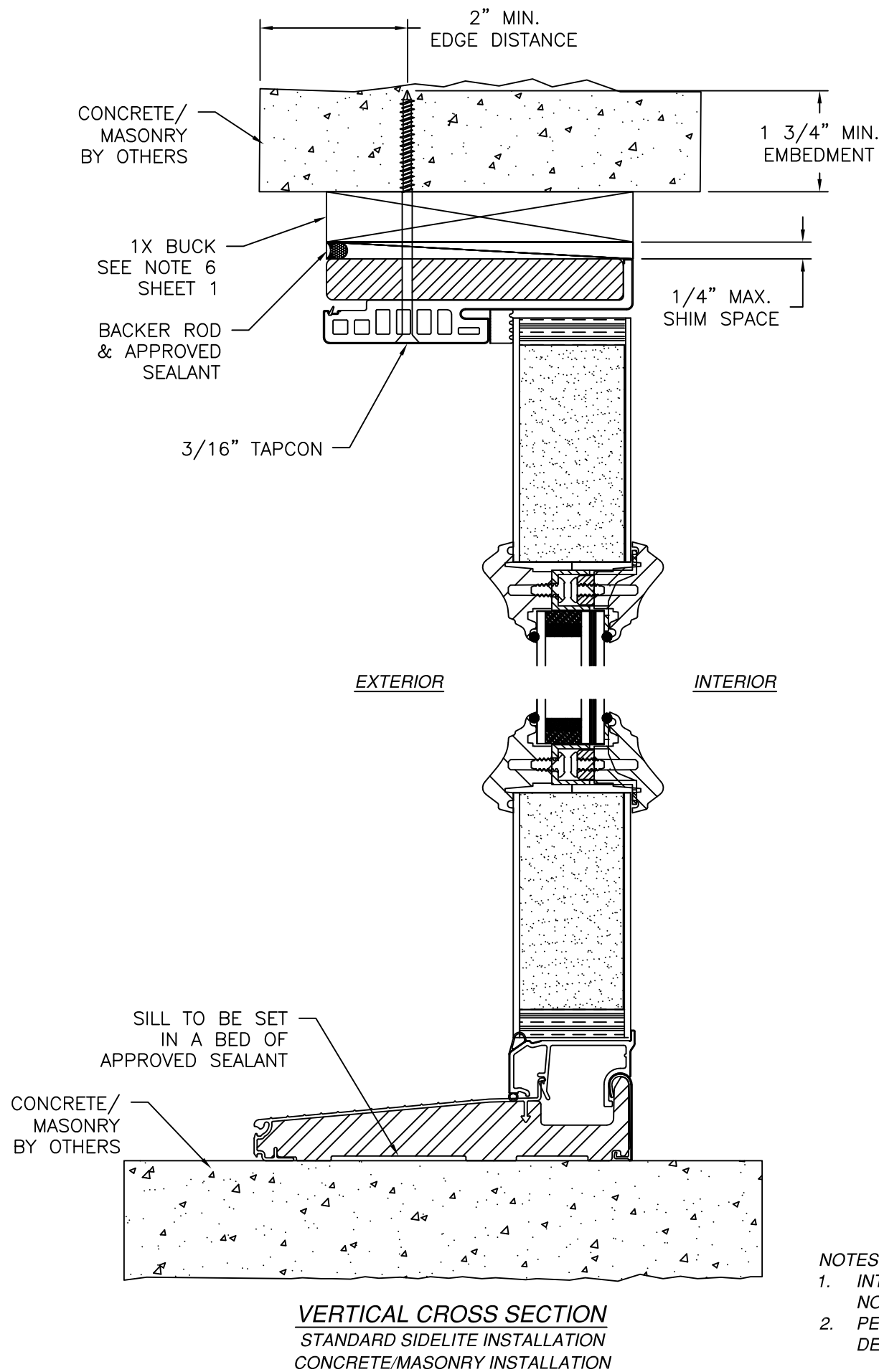
434-688-0609 rllomas@lrlomaspe.com

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Luis R. Lomas P.E.
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REVISIONS			
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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 E

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: 09/14/2026

LUIS R. LOMAS

LICENS. M. S.

No. 62514

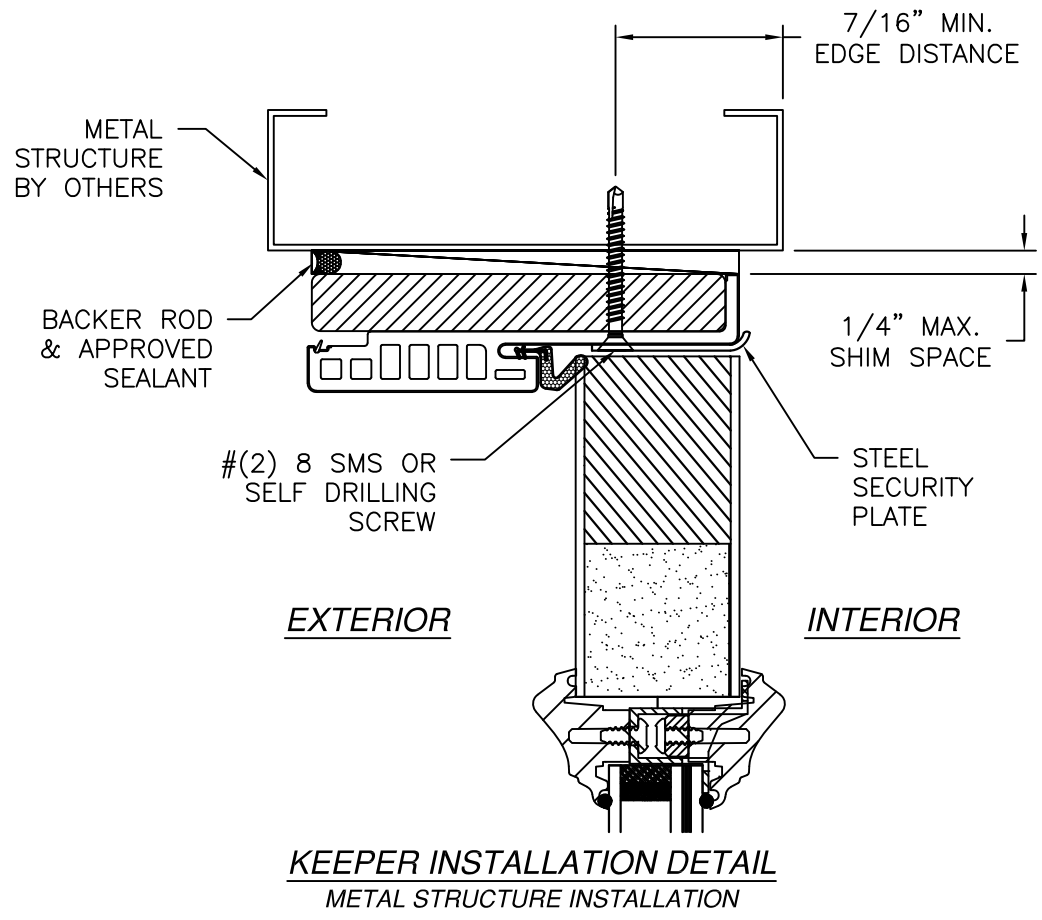
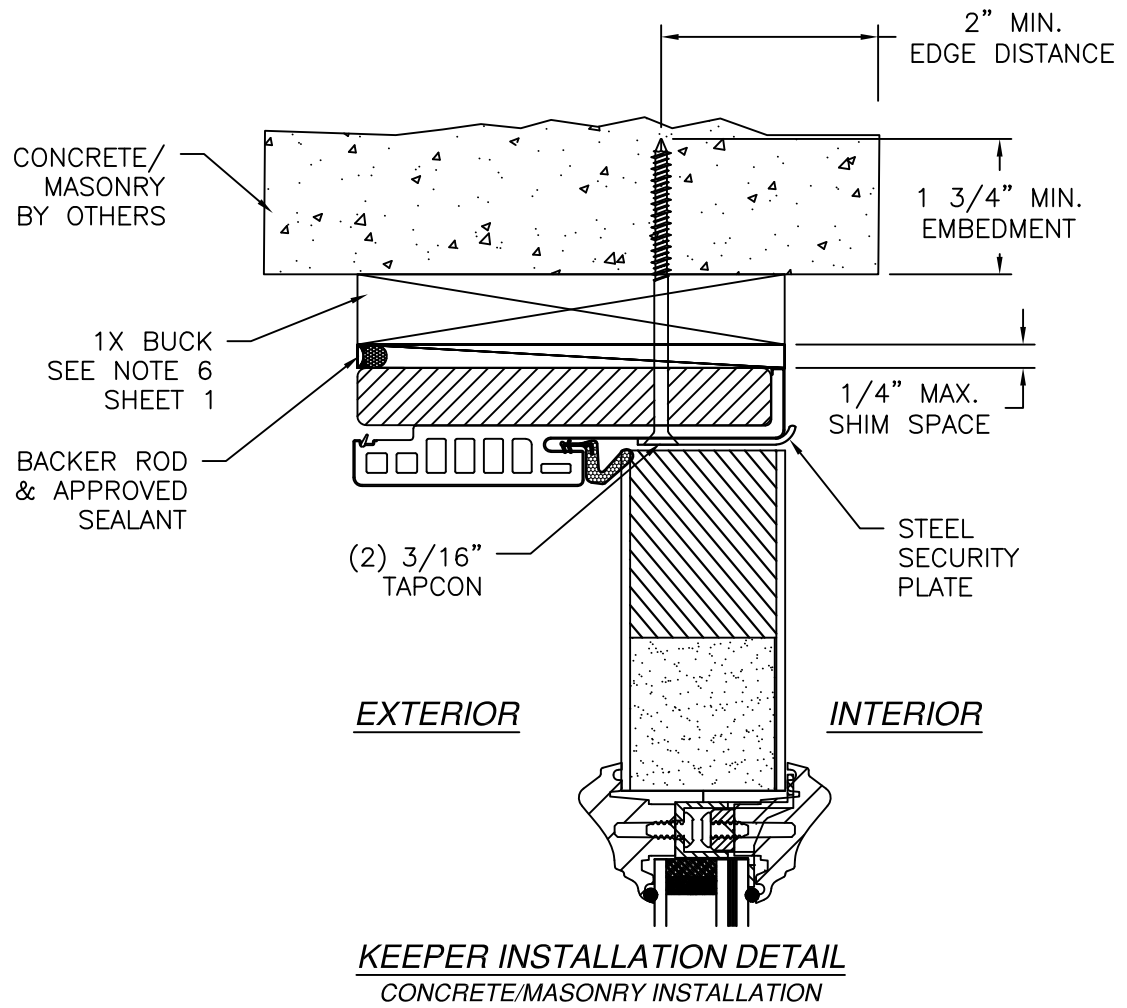
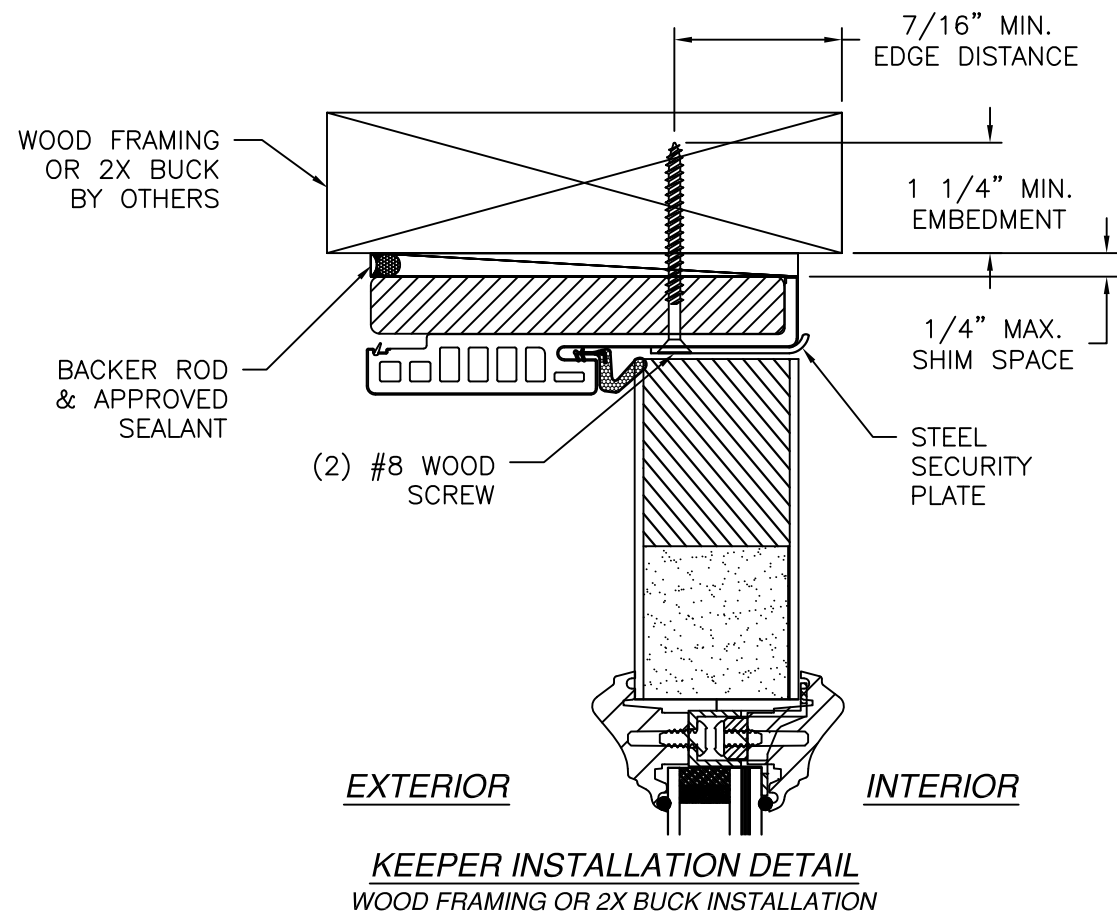
STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514

REVISIONS			
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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

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SCALE NTS

DATE 10/07/2020

SHEET 17 OF 21

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208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/14/2026

LUIS R. LOMAS

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No. 62514

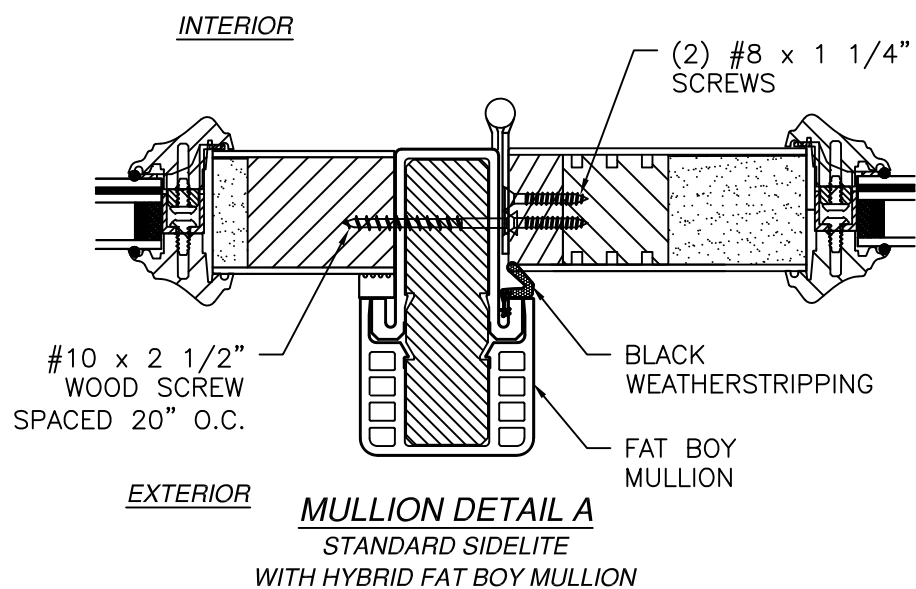
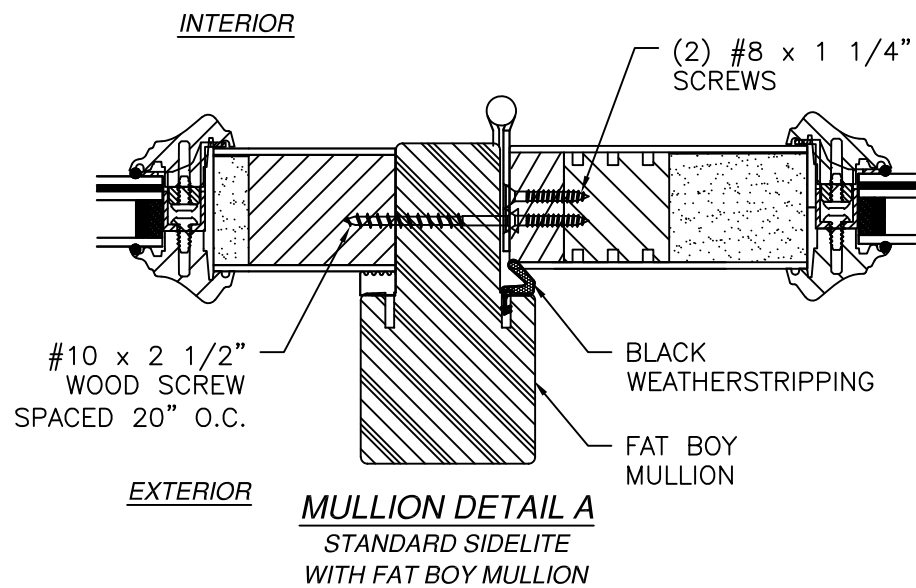
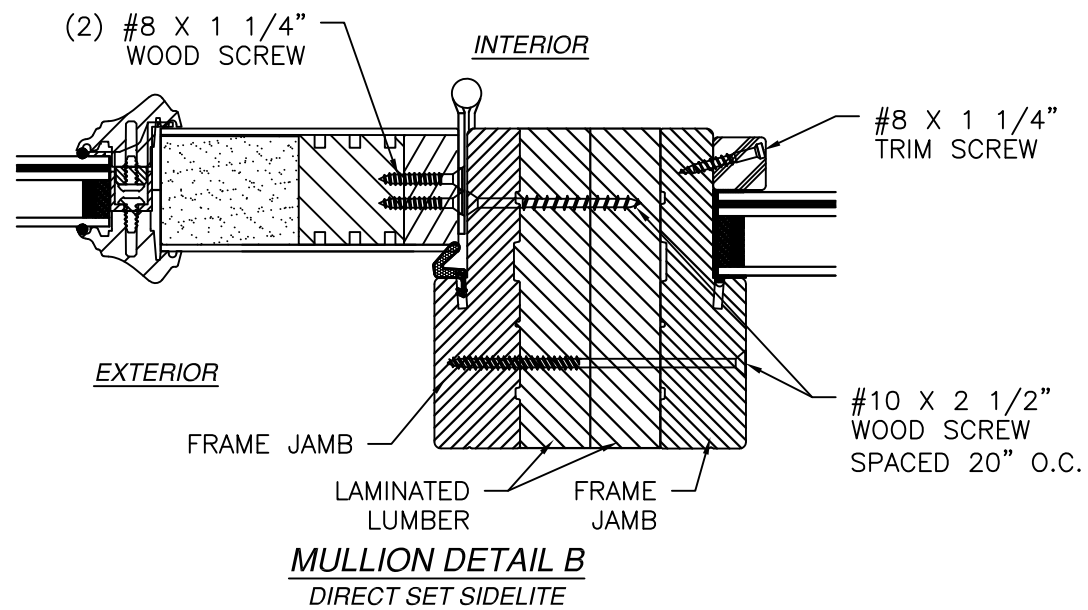
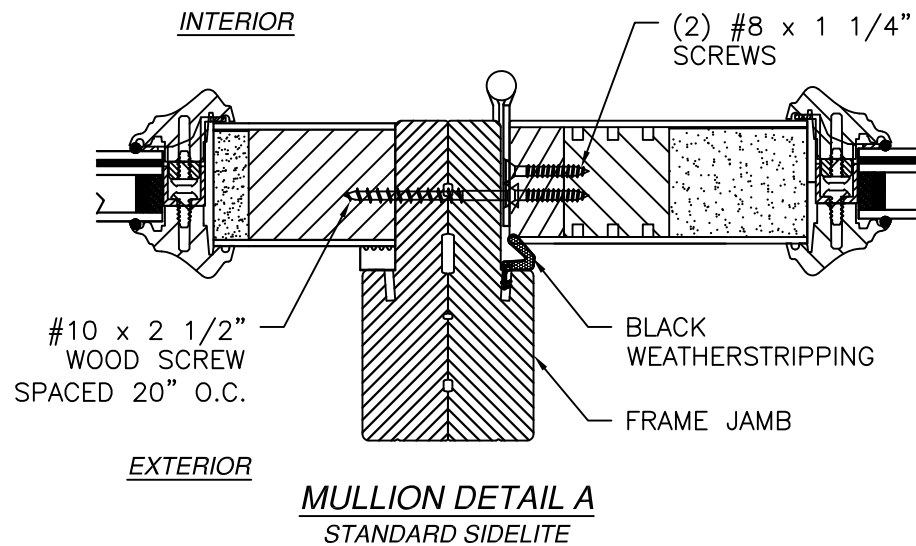
STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514

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



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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

MULLION DETAILS

DRAWN: A.R.

DWG NO. 08-03623

REV E

SCALE NTS

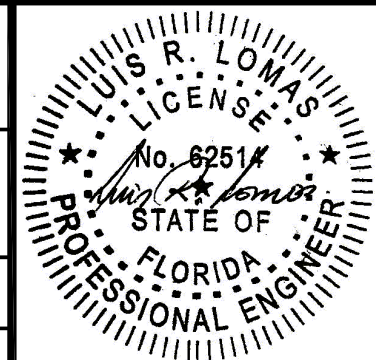
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SHEET 18 OF 21

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

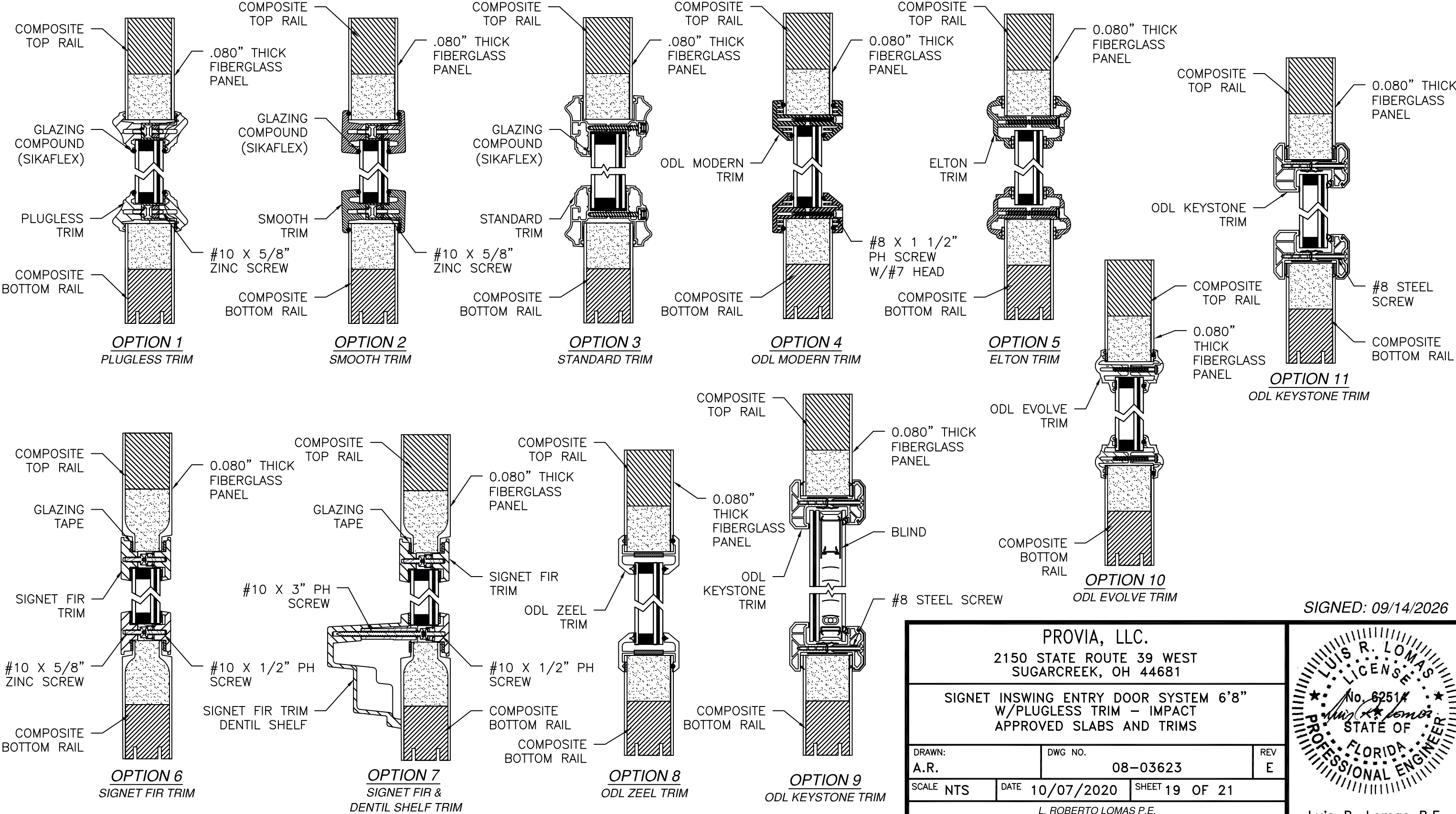
434-688-0609 rllomas@lrlomaspe.com



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

APPROVED SLABS AND TRIMS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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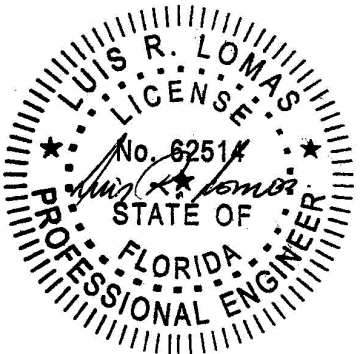
SIGNED: 09/14/2026

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

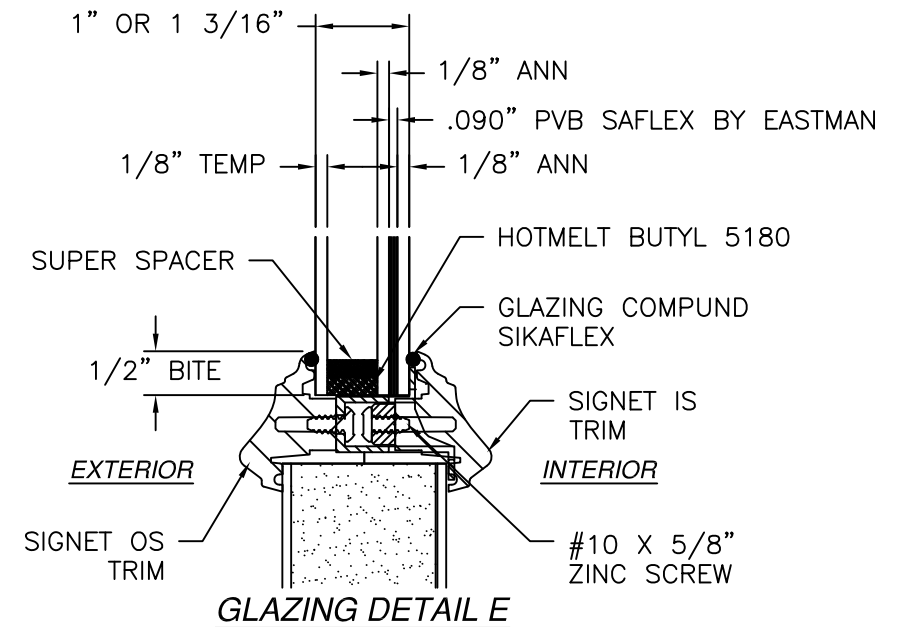
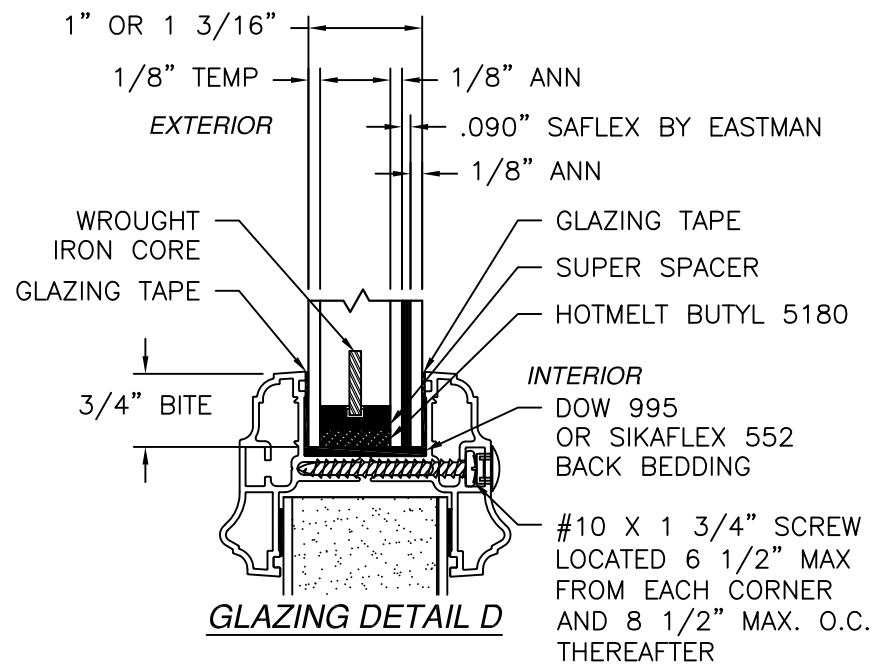
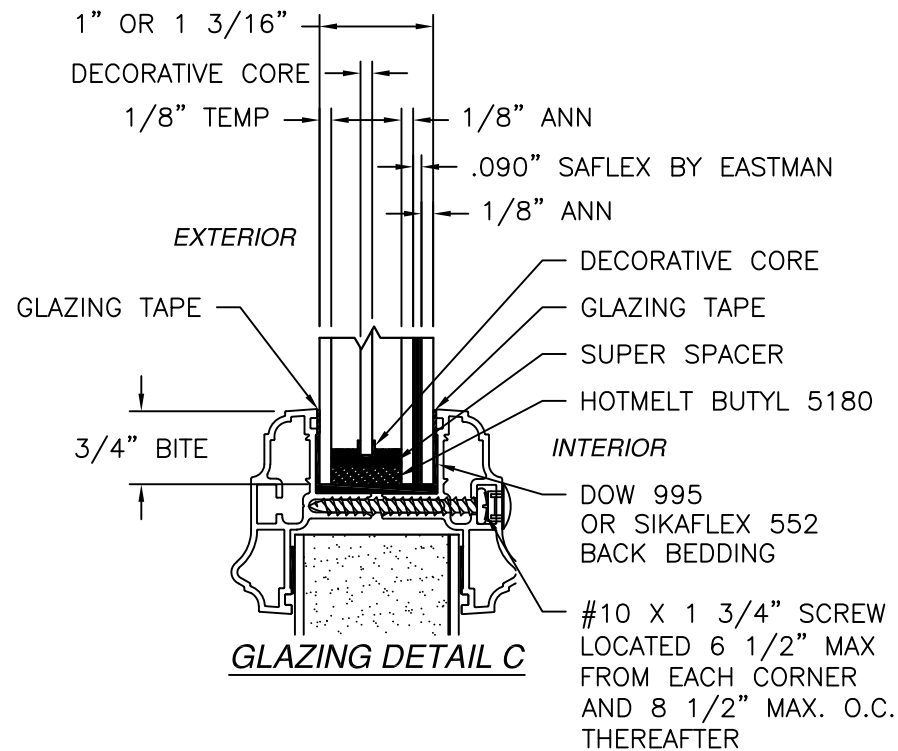
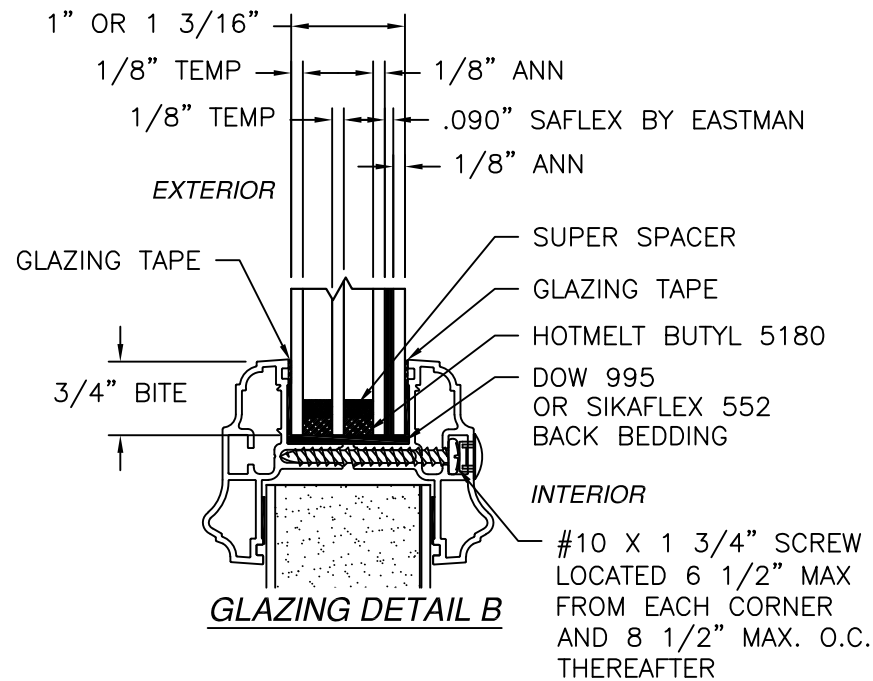
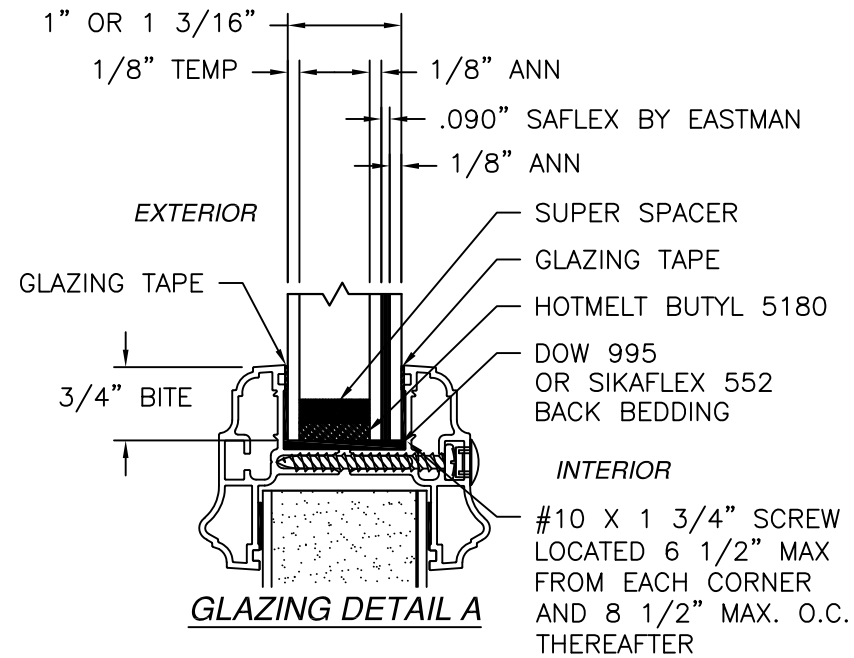
DRAWN: A.R.	DWG NO. 08-03623	REV E
SCALE NTS	DATE 10/07/2020	SHEET 19 OF 21

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



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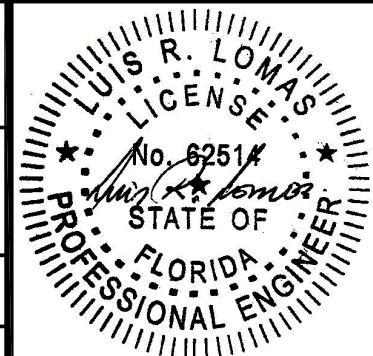
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REV	DESCRIPTION	DATE	APPROVED
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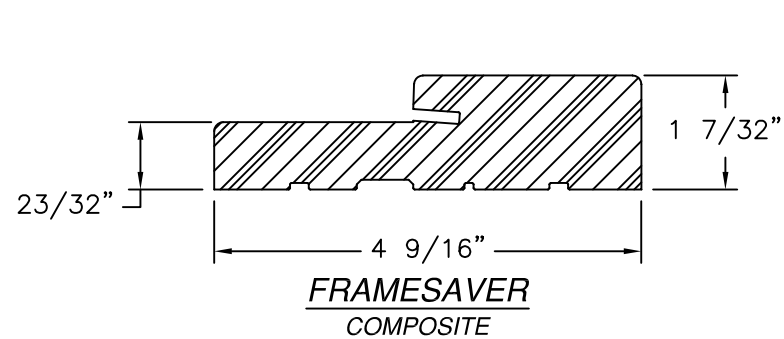


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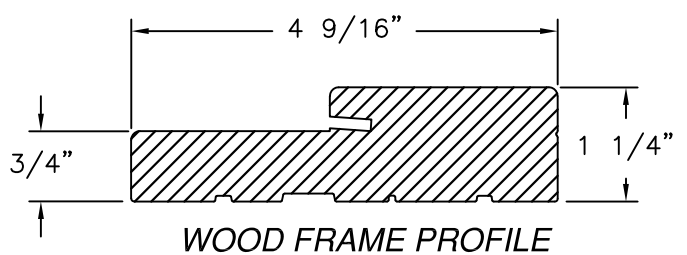
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
SIGNET INSWING ENTRY DOOR SYSTEM 6'8" W/PLUGLESS TRIM - IMPACT GLAZING DETAILS		
DRAWN: A.R.	DWG NO. 08-03623	REV E
SCALE NTS	DATE 10/07/2020	SHEET 20 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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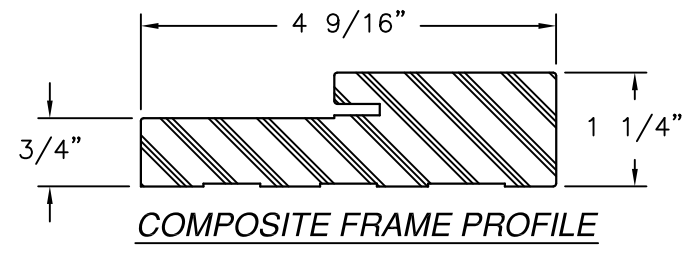




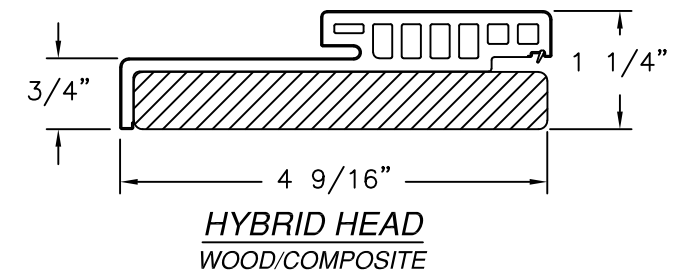
FRAMESAVER
COMPOSITE



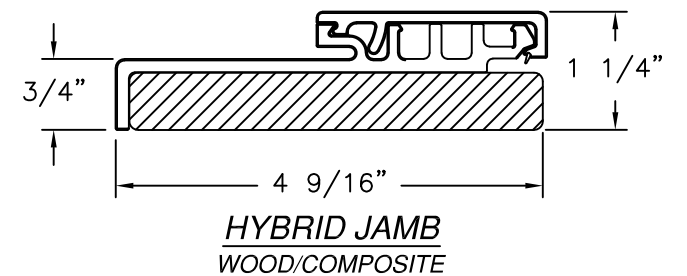
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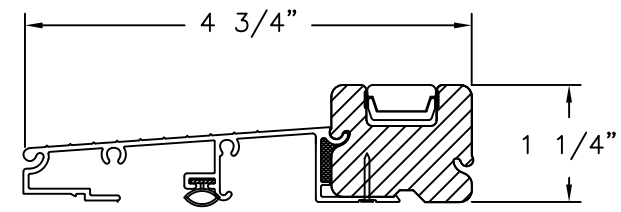
COMPOSITE FRAME PROFILE



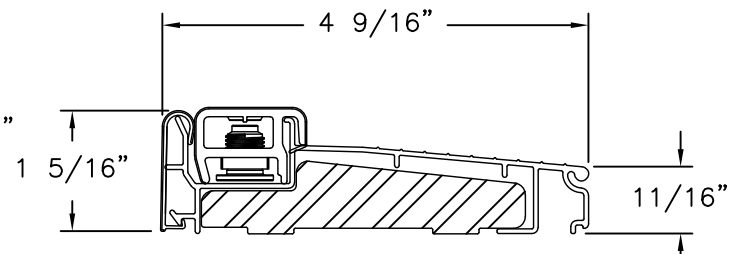
HYBRID HEAD
WOOD/COMPOSITE



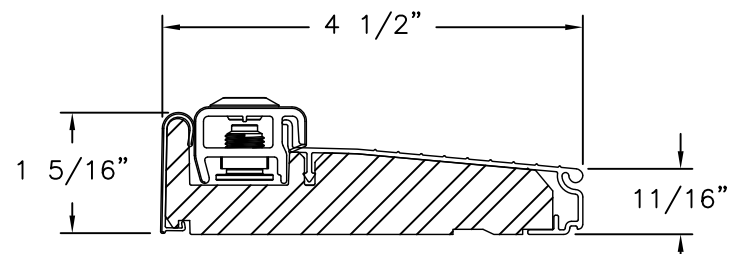
HYBRID JAMB
WOOD/COMPOSITE



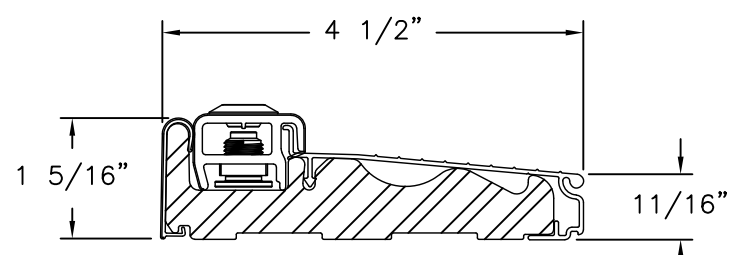
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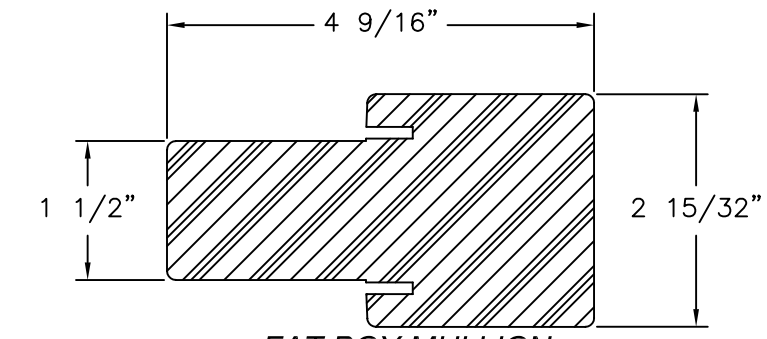
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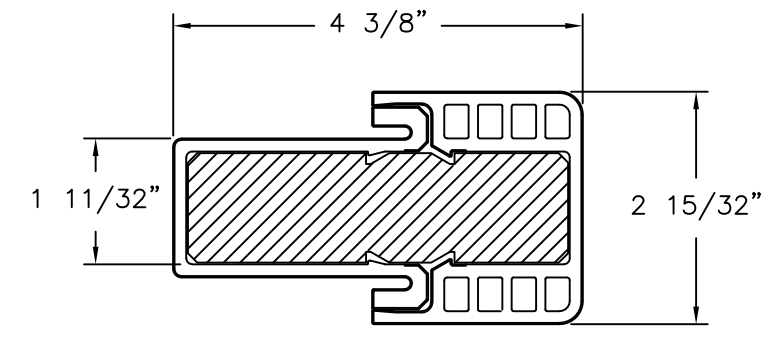
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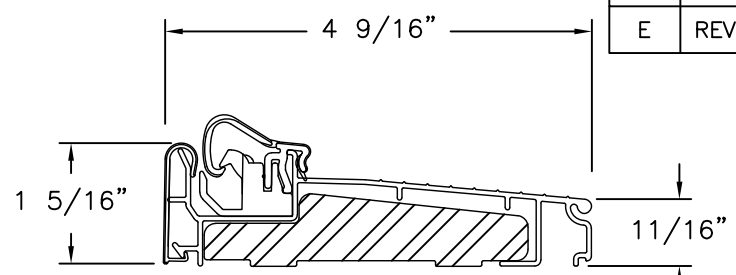
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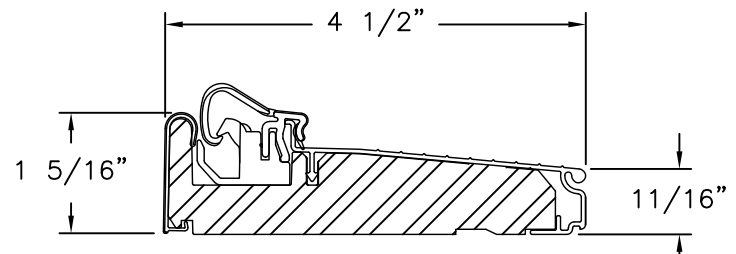
FAT BOY MULLION
COMPOSITE



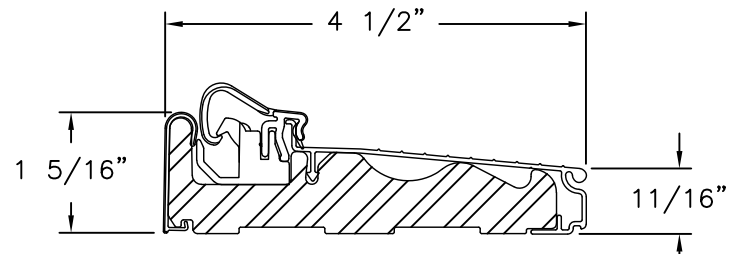
HYBRID FAT BOY MULLION
COMPOSITE



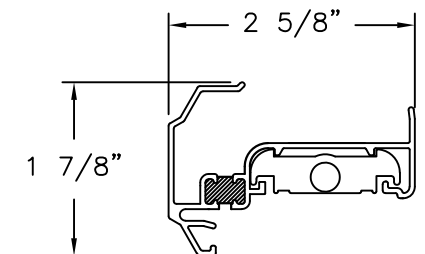
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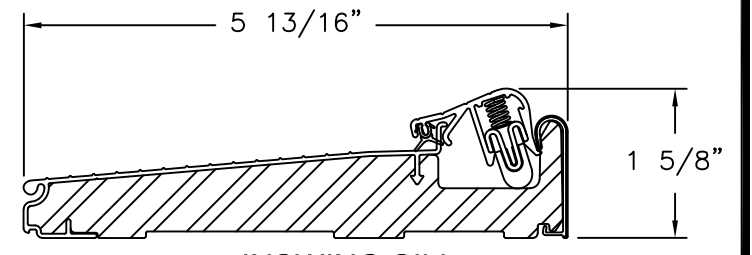
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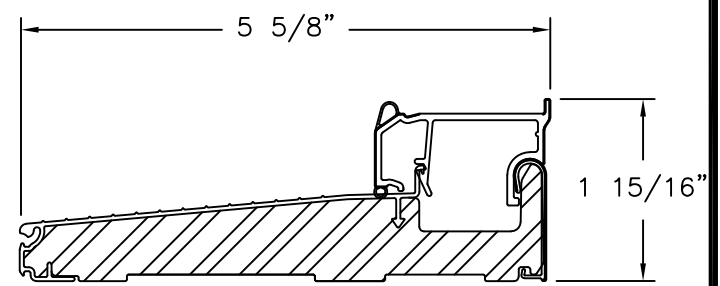
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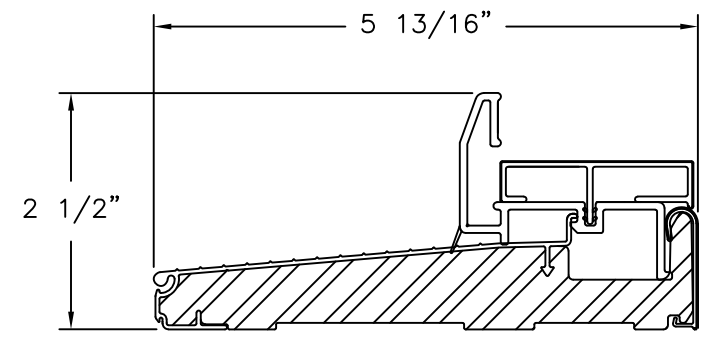
ASTRAGAL WITH
THERMAL BREAK ASSEMBLY



INSWING SILL
DOOR



INSWING SILL
STANDARD SIDELITE



INSWING SILL
DIRECT SET SIDELITE

REVISIONS			
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SIGNED: 09/14/2026

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 E
SCALE NTS	DATE 10/07/2020	SHEET 21 OF 21

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LUIS R. LOMAS
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