

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	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” WINDOW 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. WINDOW 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 WINDOW 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: WOOD WITH G=.46 MINIMUM SPECIFIC GRAVITY OR FRAMESAVER OR FUSION FRAME.
11. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
13. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8” 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 1/4” 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 #10 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 3,192 PSI.

17.3. MASONRY – STRENGTH CONFORMANCE TO ASTM C–90, GRADE N, TYPE 1 (OR GREATER).

17.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063–T5 .048” THICK MINIMUM

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

8’0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
NOTES

DRAWN:
V.L.

DWG NO.
08–01363

REV
F

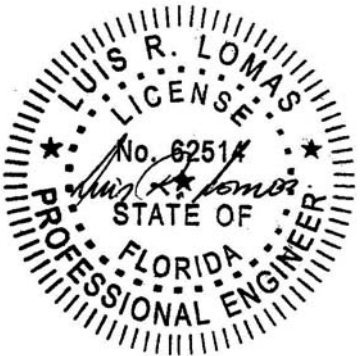
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DATE 10/13/11

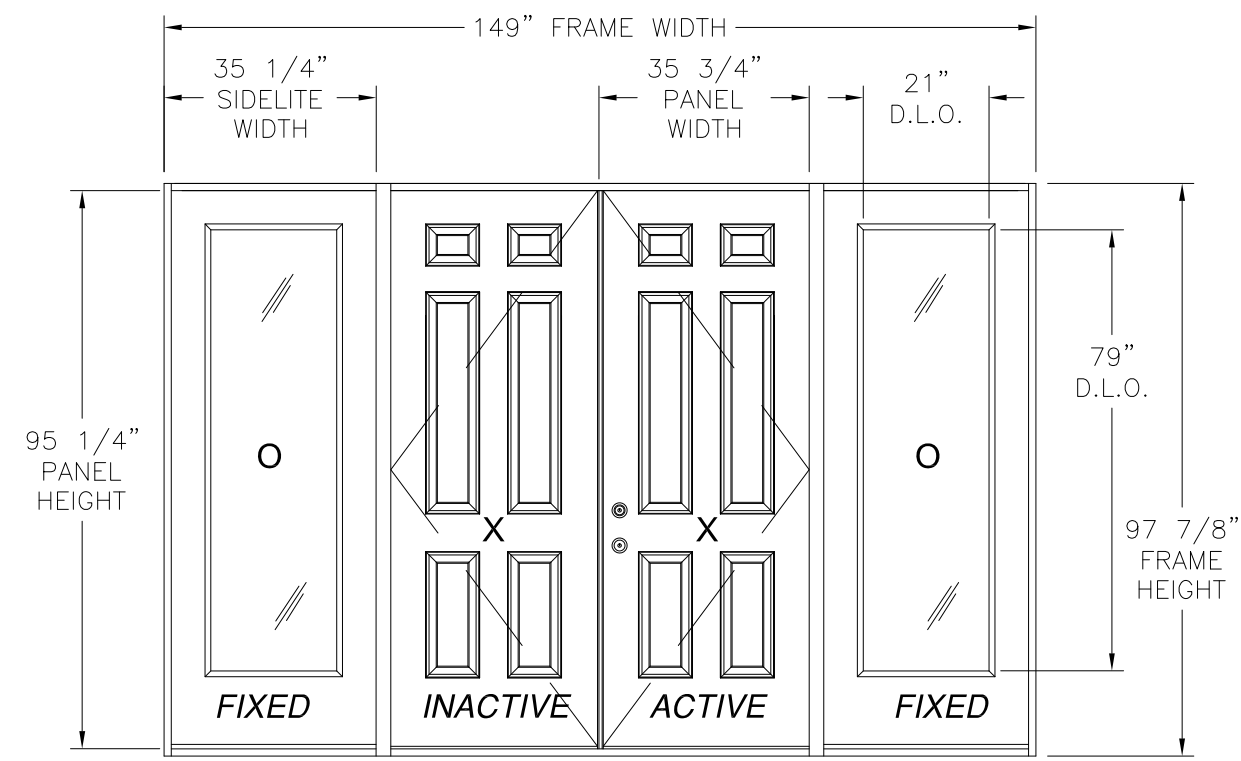
SHEET 1 OF 32

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SIGNED: 11/27/2023



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



HERITAGE FIBERGLASS OPAQUE INSWING/OUTSWING DOUBLE DOOR
W/SIDELITES
EXTERIOR VIEW

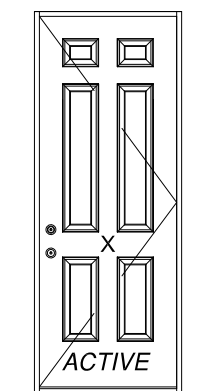
35 3/4" X 95 1/4" PANELS SHOWN. OTHER PANEL SIZES ARE APPROVED
AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.64 FT²

HARDWARE SCHEDULE

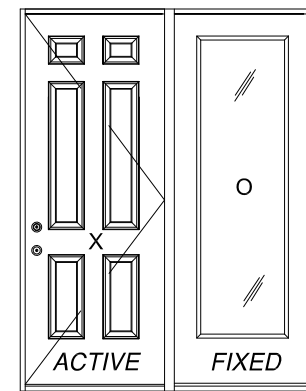
A. F-SERIES ASSEMBLY DOOR KNOB BY SCHLAGE.
B. B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
C. F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE
D. EMTEK RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY (ALTERNATE)
E. TRILLENIUM MULTI-POINT LOCK HANDLE ASSEMBLY (ALTERNATE)
F. PANOLOCK MULTI-POINT LOCK HANDLE ASSEMBLY (ALTERNATE)
G. INSWING HURRICANE ASTRAGAL BY ENDURA
H. OUTSWING HURRICANE ASTRAGAL BY ENDURA
I. (4) 4" X 4" BALL BEARING HINGES BY PENROD
J. (3) 4" X 4" SPRING BOMMER HINGES BY PENROD

NOTE:
ALL APPROVED CONFIGURATIONS CAN BE
INSWING OR OUTSWING MODELS.
ALL APPROVED CONFIGURATIONS ARE
SHOWN AS RIGHT HAND ACTIVE, LEFT HAND
ACTIVE IS ALSO APPROVED.

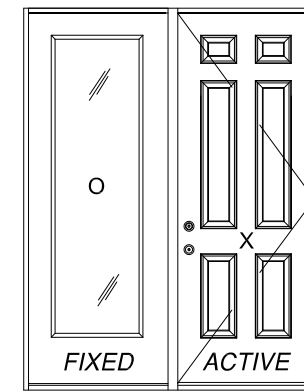
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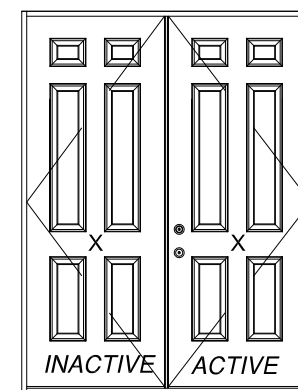
SINGLE
EXTERIOR VIEW



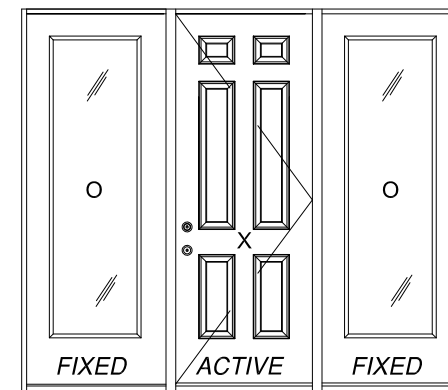
SINGLE W/SIDELITE
EXTERIOR VIEW



SINGLE W/SIDELITE
EXTERIOR VIEW



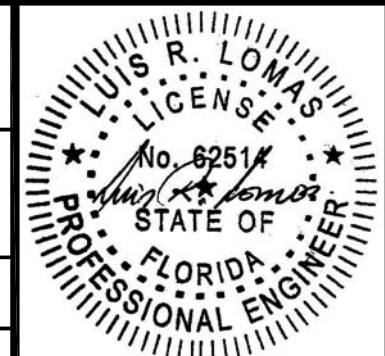
DOUBLE
EXTERIOR VIEW



SINGLE W/SIDELITES
EXTERIOR VIEW

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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES ELEVATIONS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 2 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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Approved Configurations and Ratings for Wood and Composite Frame

Configuration			Max Size	Rating where water infiltration is not required (psf)			Rating where water infiltration is required (psf)						Impact Rating
							Standard Threshold			High Dam Threshold			
				Schlage or Emttek hardware	Trilennium hardware	Panolock Multi-point	Schlage or Emttek hardware	Trilennium hardware	Panolock Multi-point	Schlage or Emttek hardware	Trilennium hardware	Panolock Multi-point	
Single	X	IS	3'0" x 8'0"	±51	±60	±50	+19/-51	+19/-60	+19/-50	-	-	-	Large Missile Impact Wind Zone 4 Level D
		OS		±51	±60	±50	±51	±60	±50	-	-	-	
Double	XX	IS	6'0" x 8'0"	±50.5	±50.5	±50	+19/-50.5	+19/-50.5	+19/-50	-	-	-	
		OS		+55/-50.5	+55/-50.5	±50	+40/-50.5	+40/-50.5	+40/-50	+55/-50.5	+55/-50.5	±50	
Single w/ Sidelite	OX, XO	IS	6'0" x 8'0"	±50.5	±50.5	±50	+19/-50.5	+19/-50.5	+19/-50	-	-	-	
		OS		+55/-50.5	+55/-50.5	±50	+40/-50.5	+40/-50.5	+40/-50	+55/-50.5	+55/-50.5	±50	
Single w/ Sidelites	OXO	IS	9'0" x 8'0"	±50.5	±50.5	±50	+19/-50.5	+19/-50.5	+19/-50	-	-	-	
		OS		+55/-50.5	+55/-50.5	±50	+40/-50.5	+40/-50.5	+40/-50	+55/-50.5	+55/-50.5	±50	
Double w/ sidelites	OXXO	IS	12'6" x 8'0"	±50.5	±50.5	±50	+19/-50.5	+19/-50.5	+19/-50	-	-	-	
		OS		+55/-50.5	+55/-50.5	±50	+40/-50.5	+40/-50.5	+40/-50	+55/-50.5	+55/-50.5	±50	

Door Panels are Impact Rated, Sidelites need protection, see note 13

Approved Configurations and Ratings for Fusion Frame

Configuration			Max Size	Rating where water infiltration is not required (psf)	Rating where water infiltration is required (psf)		Impact Rating
				Schlage or Emtek or Trilennium hardware or Panolock Multi-point	Standard Threshold	High Dam Threshold	
					Schlage or Emtek or Trilennium hardware or Panolock Multi-point	Schlage or Emtek or Trilennium hardware or Panolock Multi-point	
Single	X	IS	3'0" x 8'0"	±50	+19/-50	-	Large Missile Impact Wind Zone 4 Level D
		OS		±50	±50	-	
Double	XX	IS	6'0" x 8'0"	±50	+19/-50	-	
		OS		±50	+40/-50	±50	
Single w/ Sidelite	OX, XO	IS	6'0" x 8'0"	±50	+19/-50	-	
		OS		±50	+40/-50	±50	
Single w/ Sidelites	OXO	IS	9'0" x 8'0"	±50	+19/-50	-	
		OS		±50	+40/-50	±50	
Double w/ sidelites	OXXO	IS	12'6" x 8'0"	±50	+19/-50	-	
		OS		±50	+40/-50	±50	

Door Panels are Impact Rated, Sidelites need protection, see note 13

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8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
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APPROVED CONFIGURATIONS & RATINGS CHARTS

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SHEET 3 OF 32

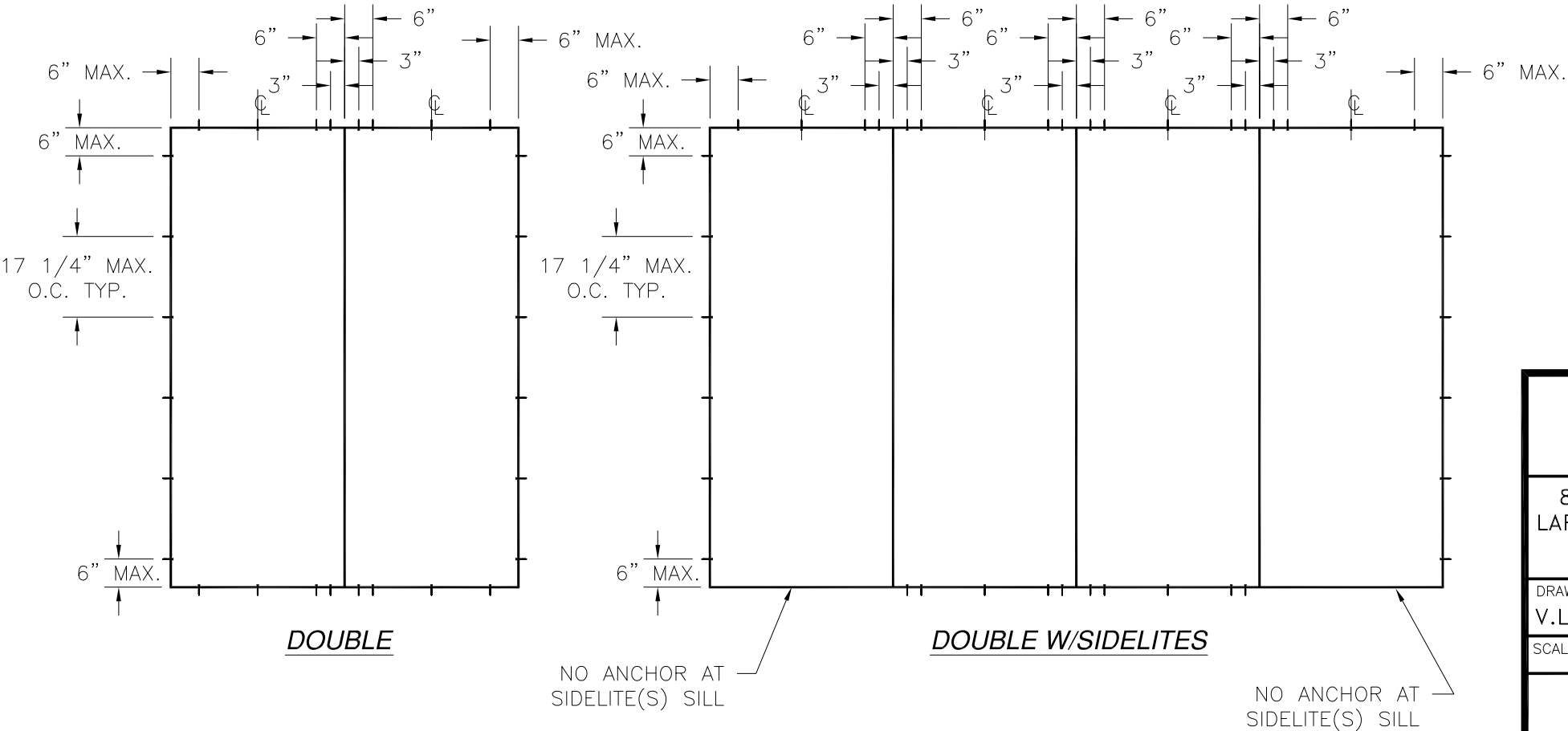
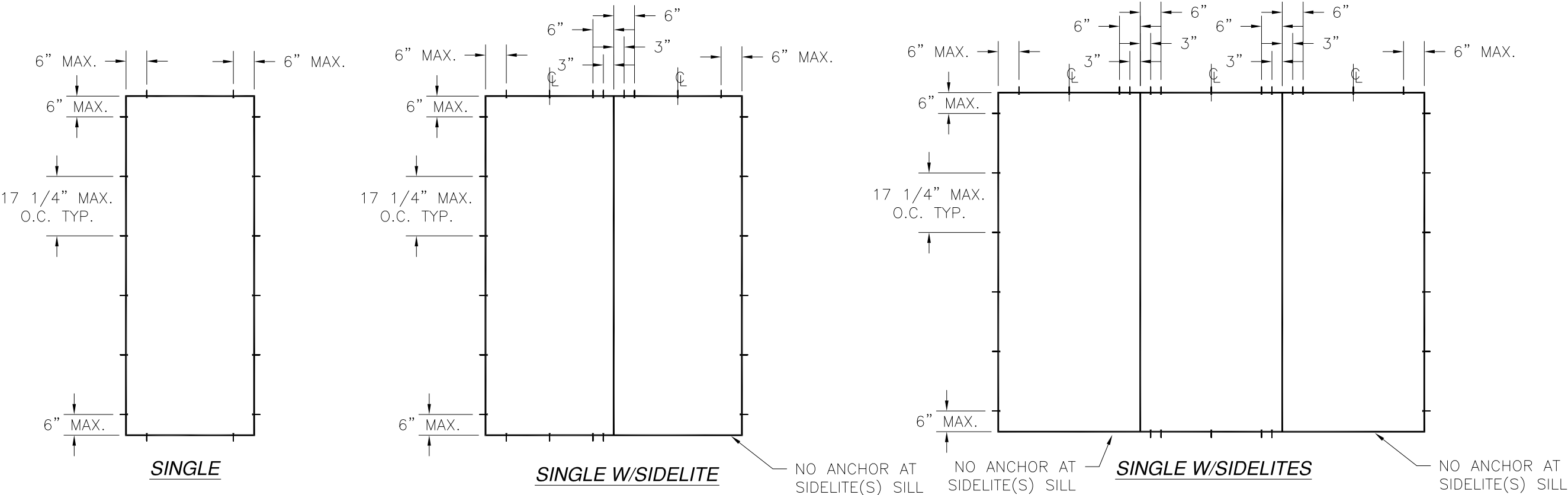
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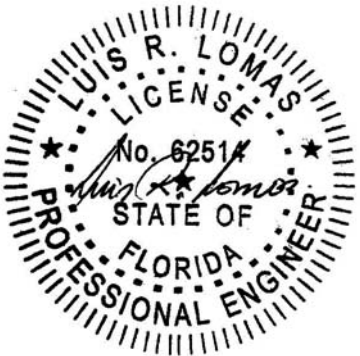
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8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
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ANCHORING LAYOUT

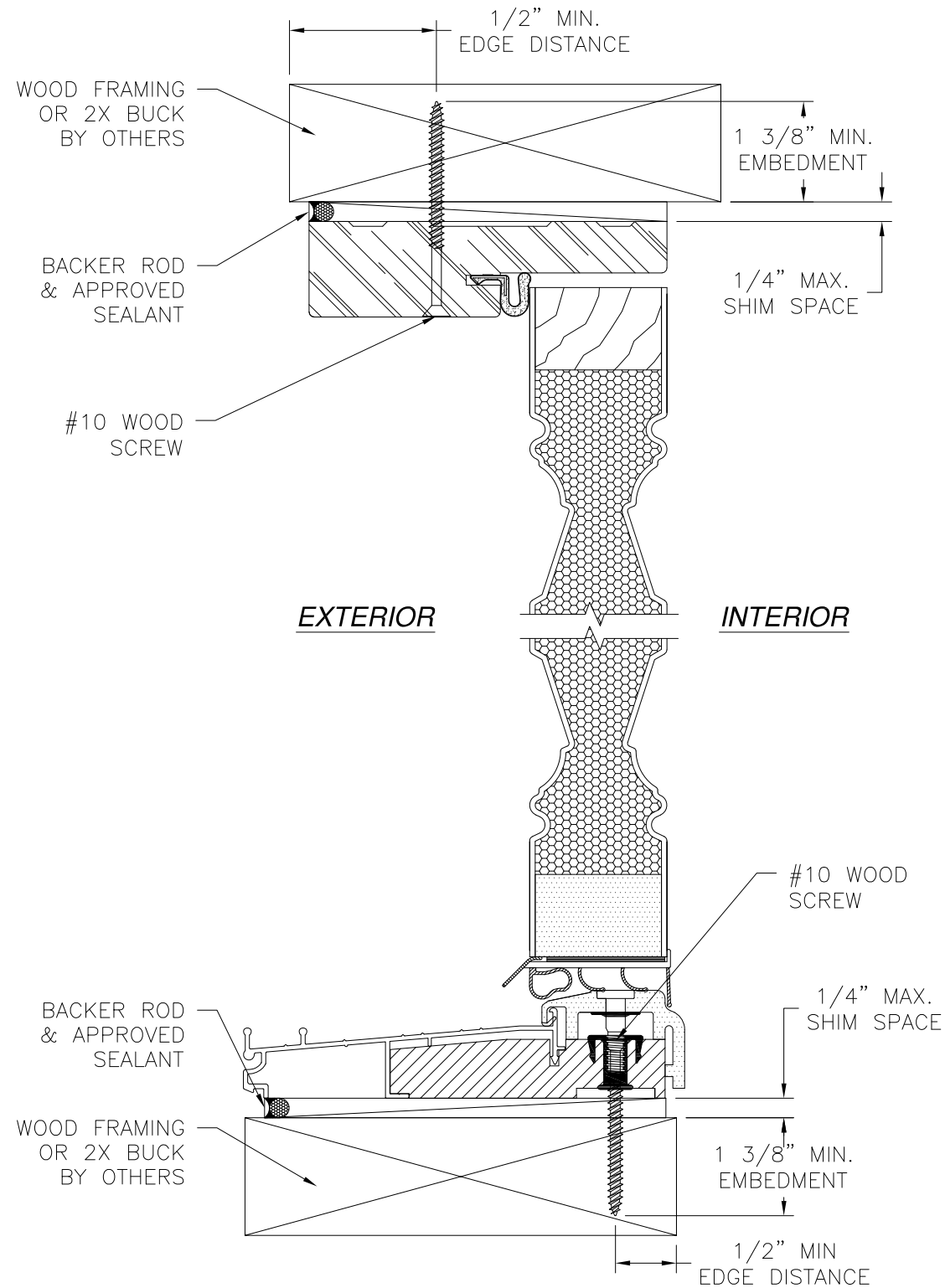
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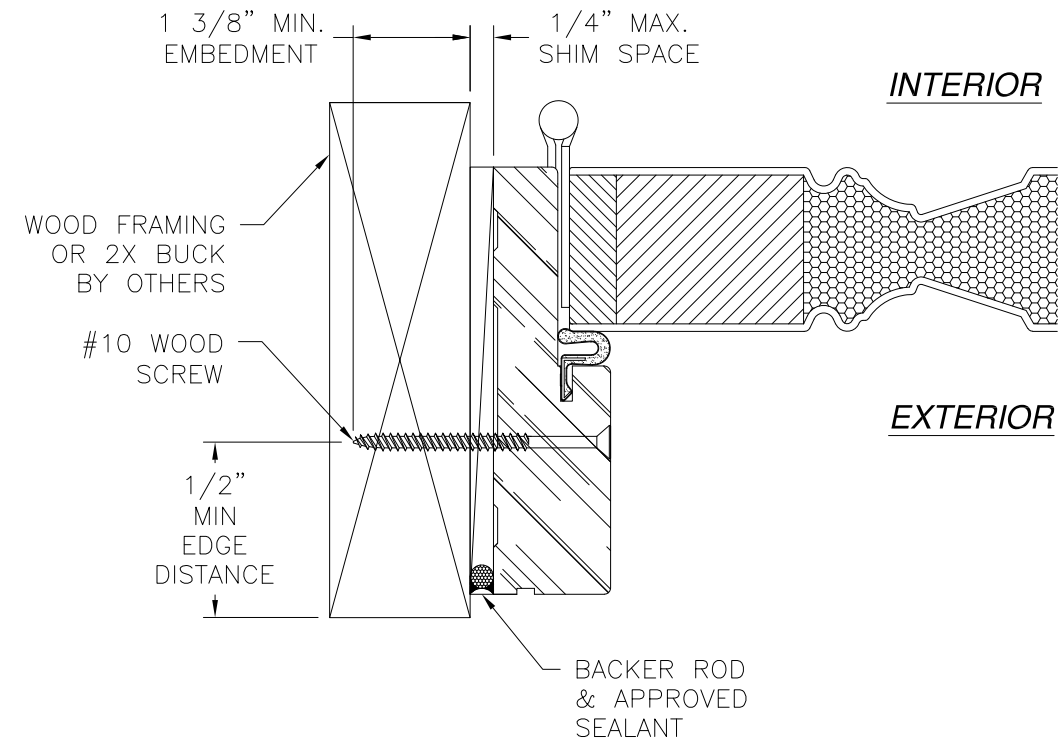
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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

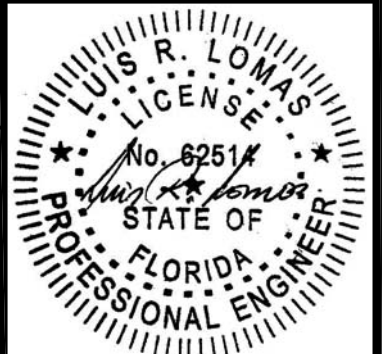
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

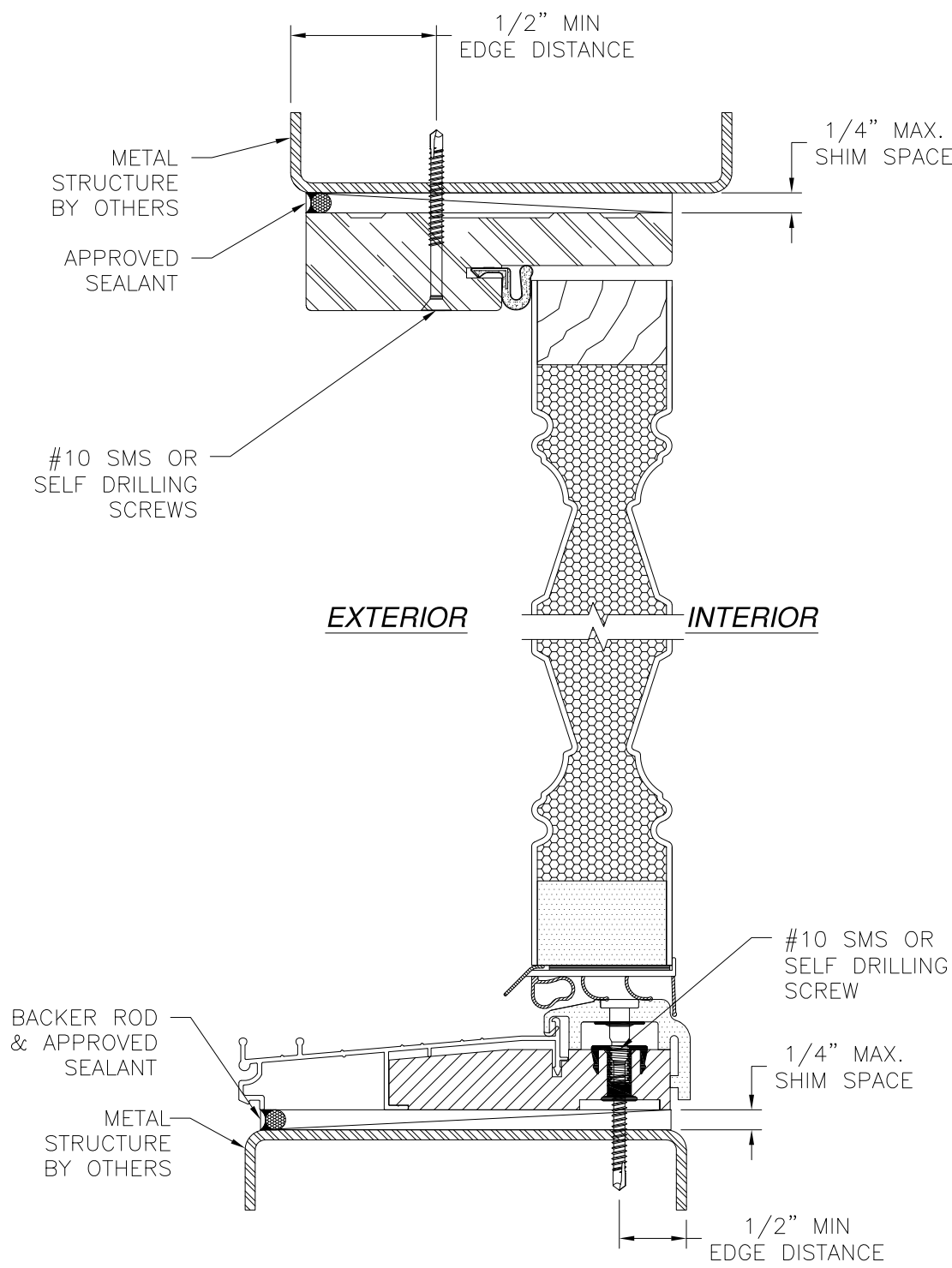
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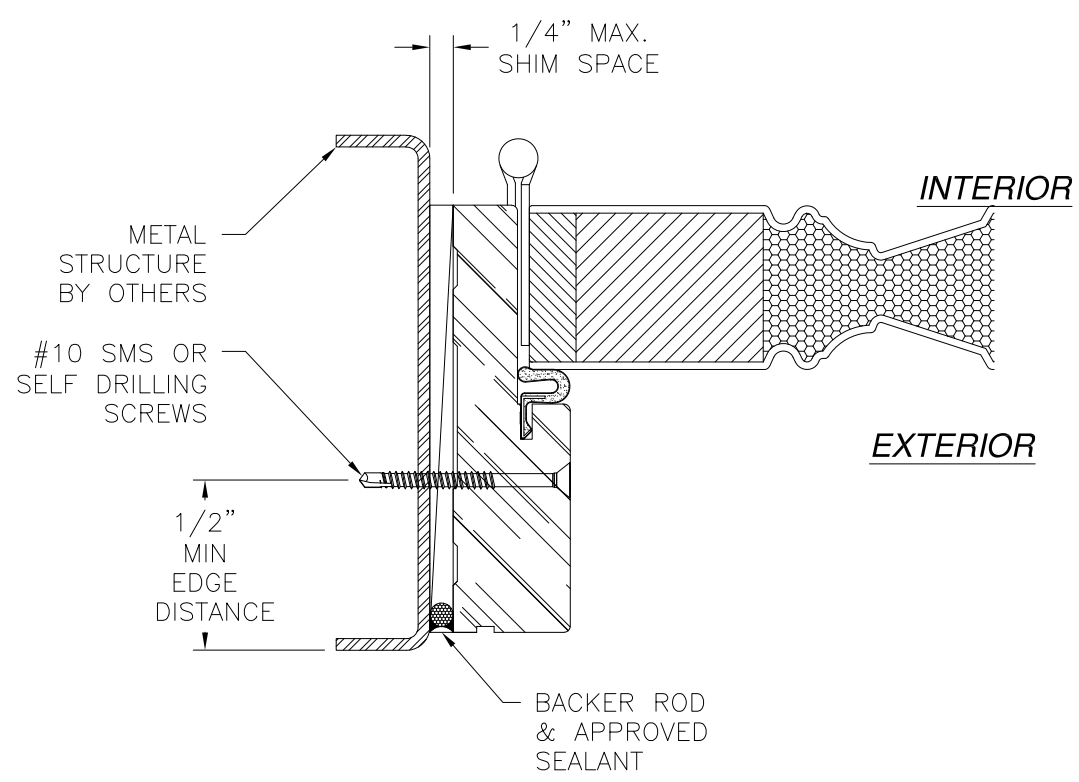


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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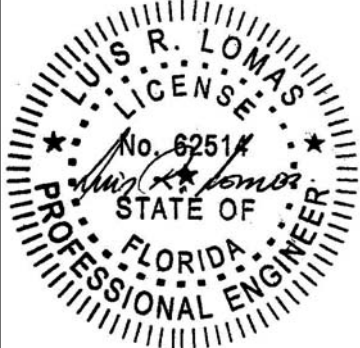
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SUGARCREEK, OH 44681

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
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IS DOOR INSTALLATION DETAILS

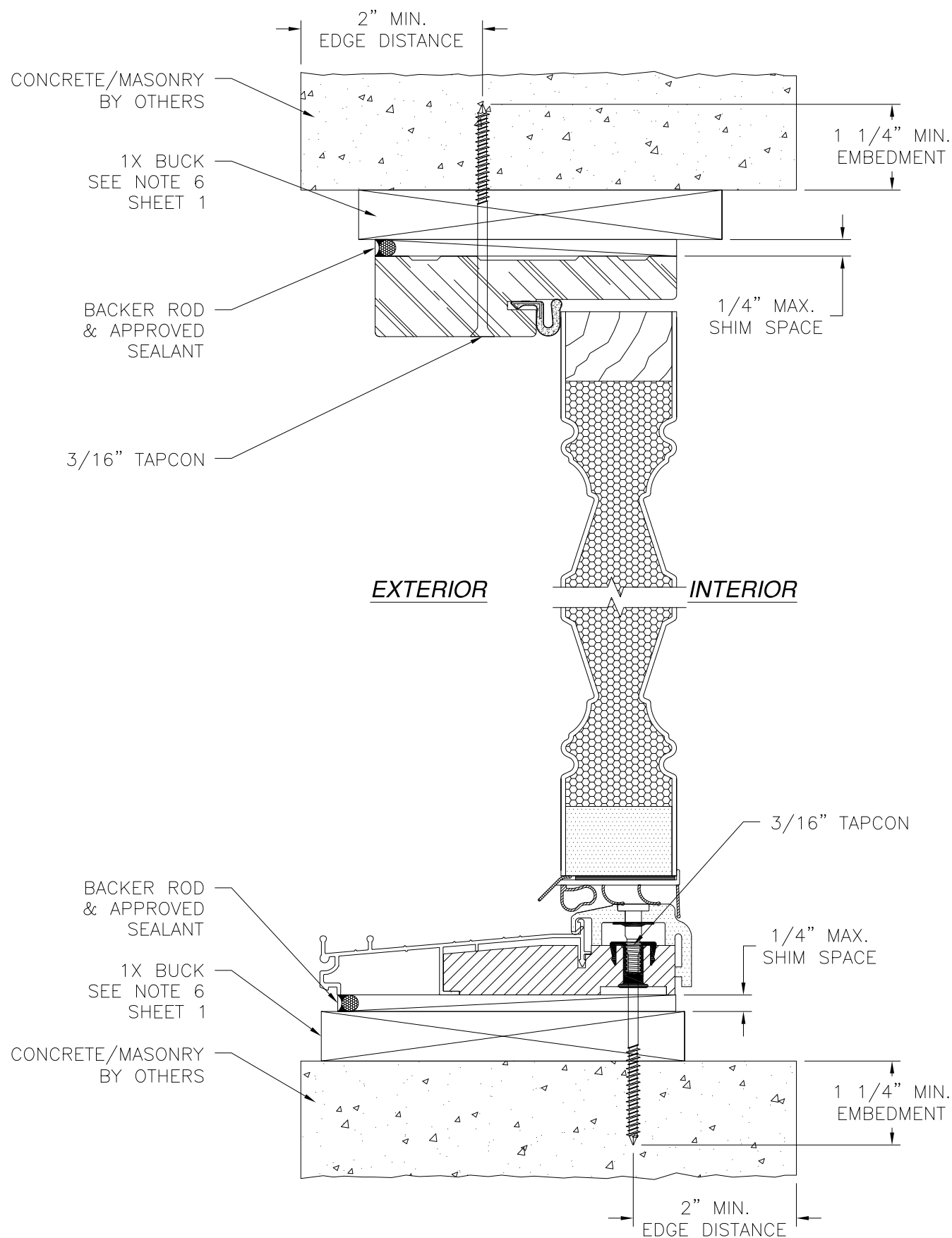
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SCALE NTS	DATE 10/13/11	SHEET 6 OF 32

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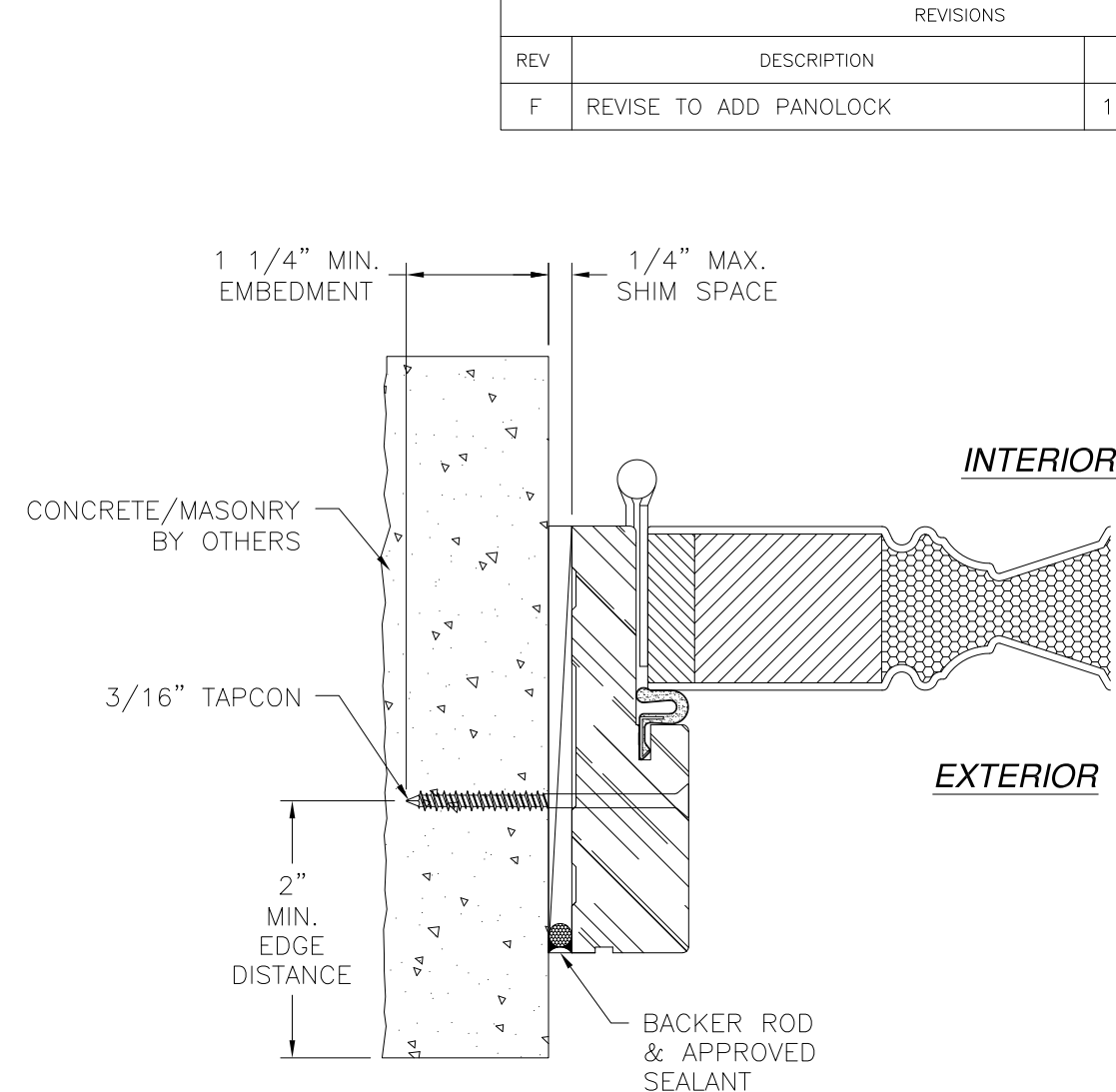
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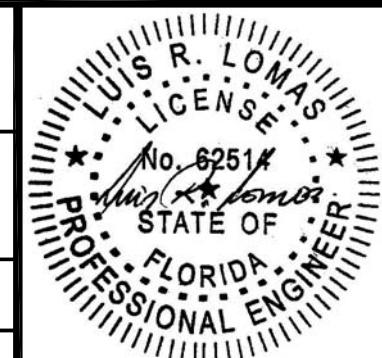
VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

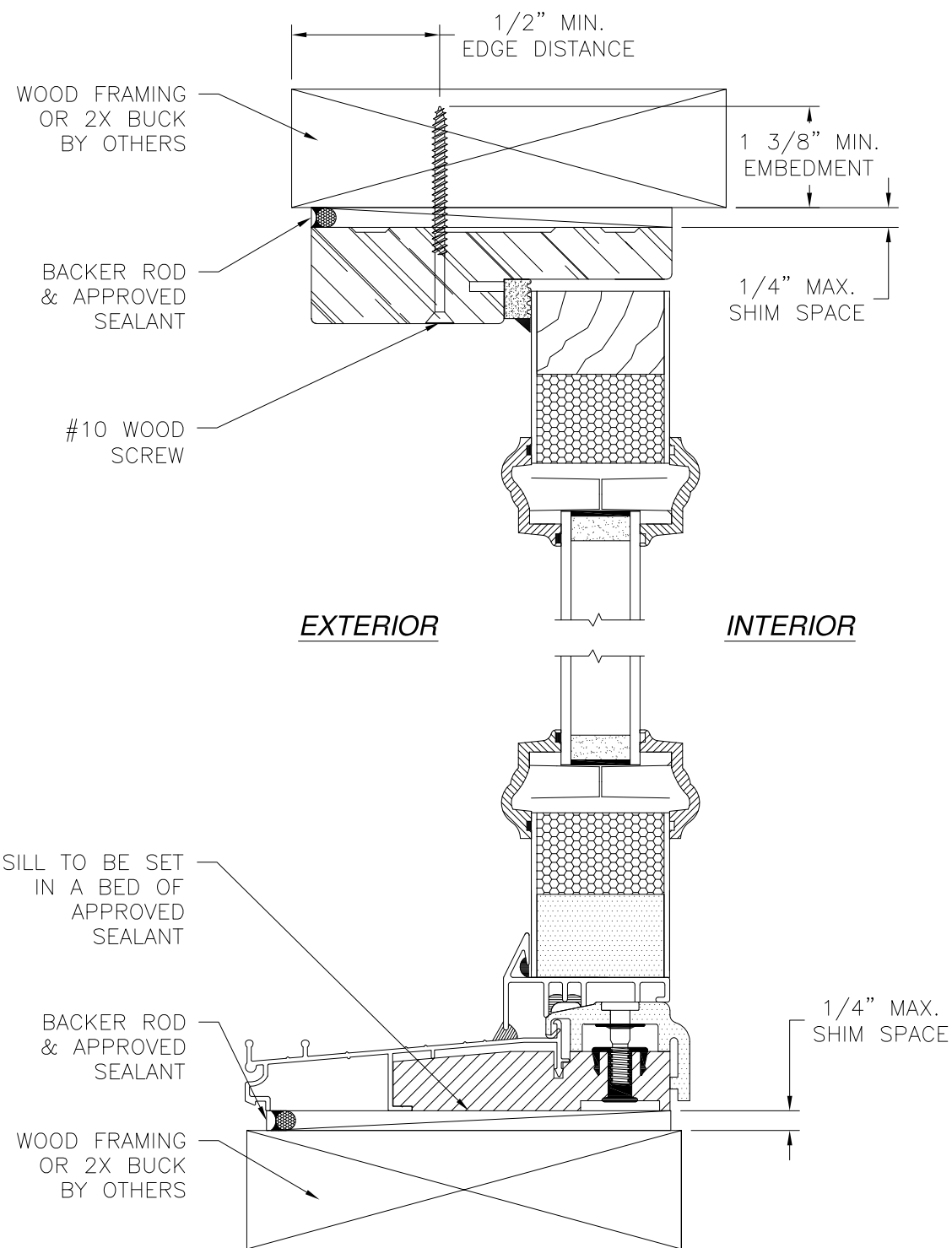
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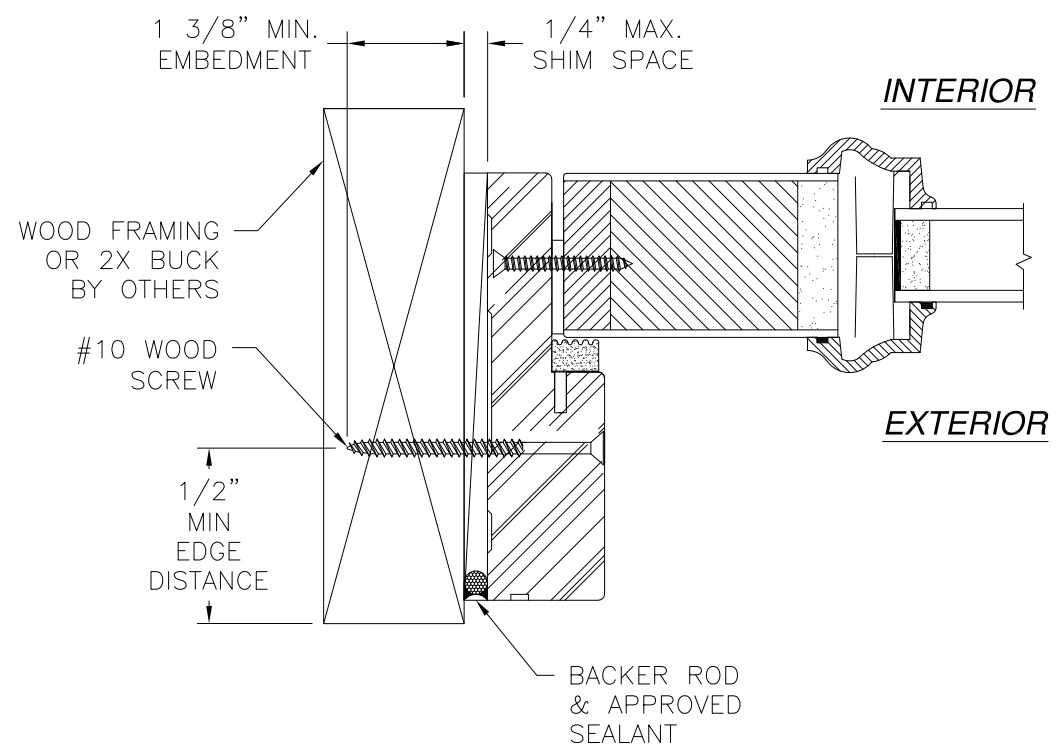
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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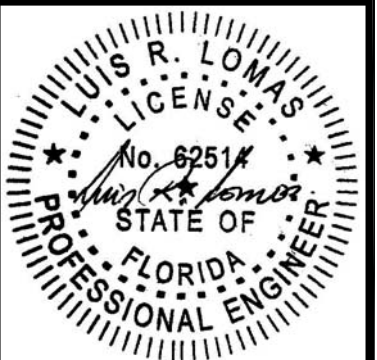
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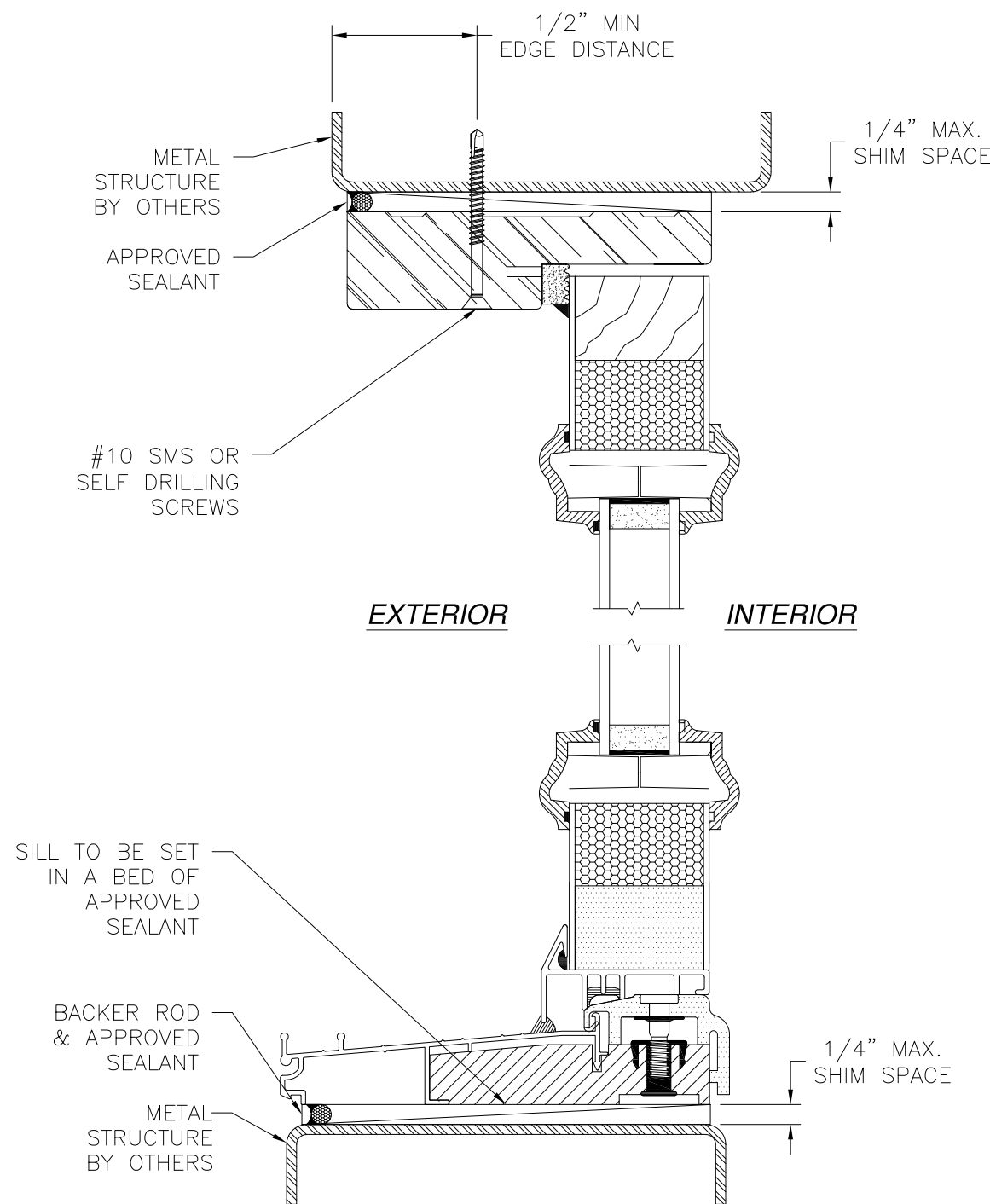
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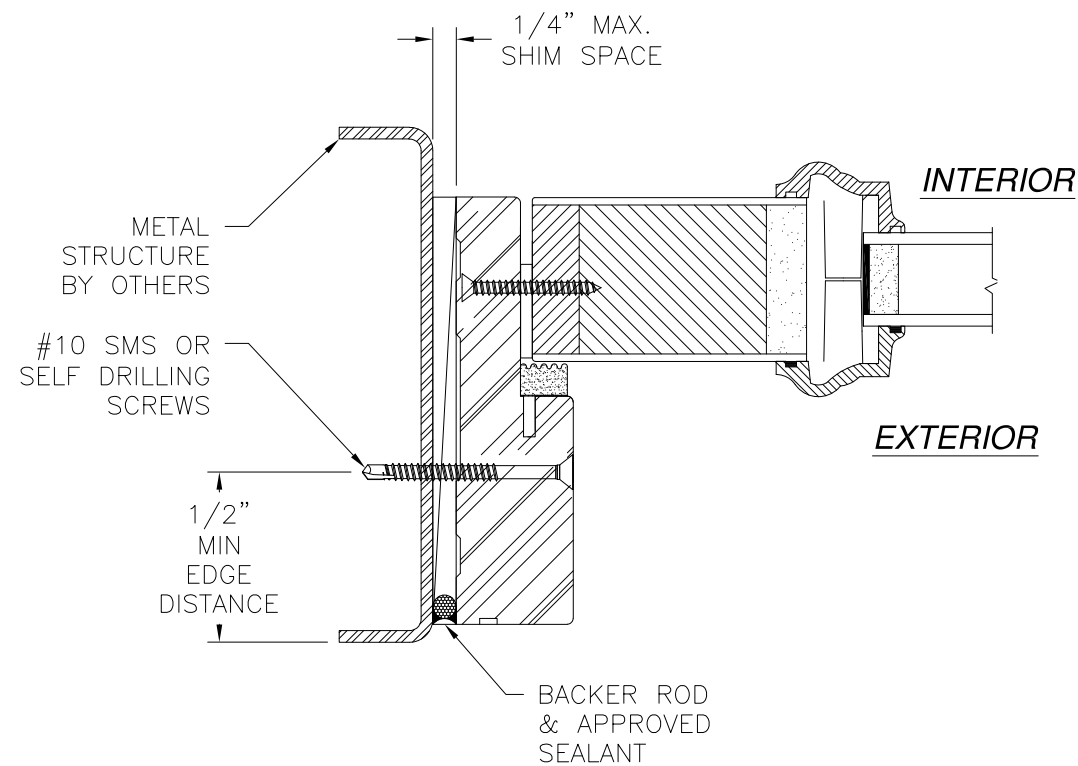


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METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
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DRAWN:

V.L.

DWG NO.

08-01363

REV

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SCALE

NTS

DATE

10/13/11

SHEET

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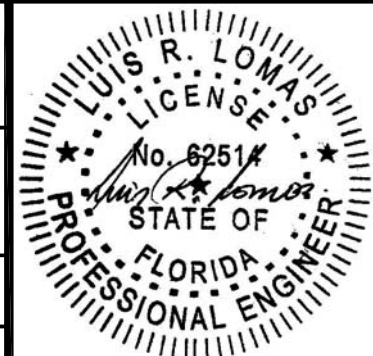
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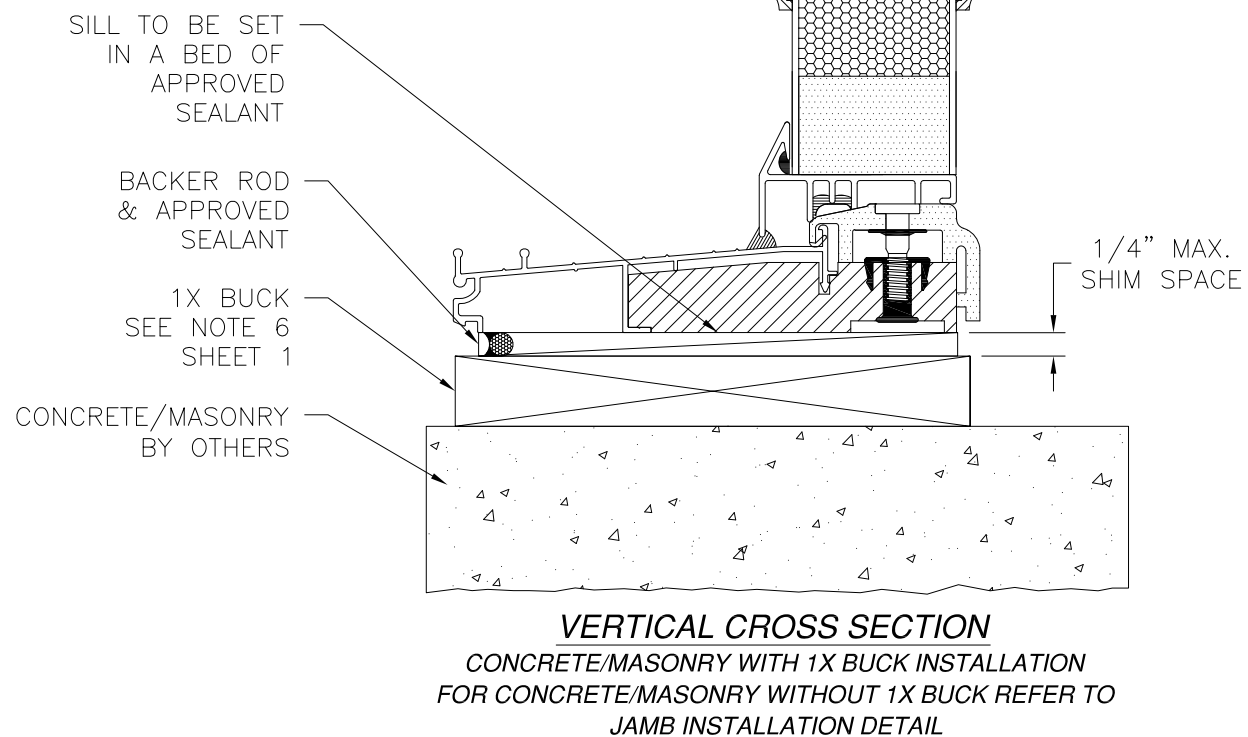
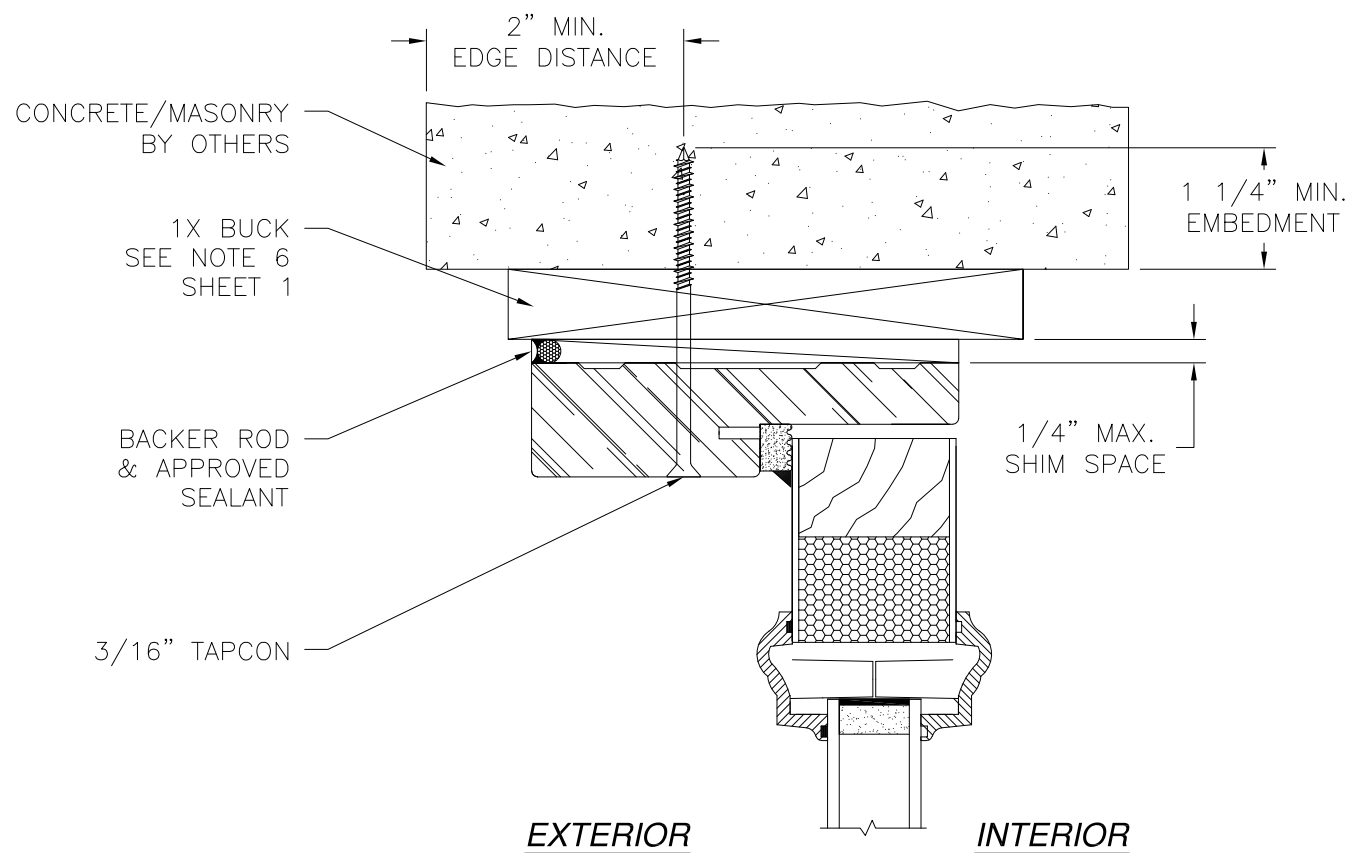
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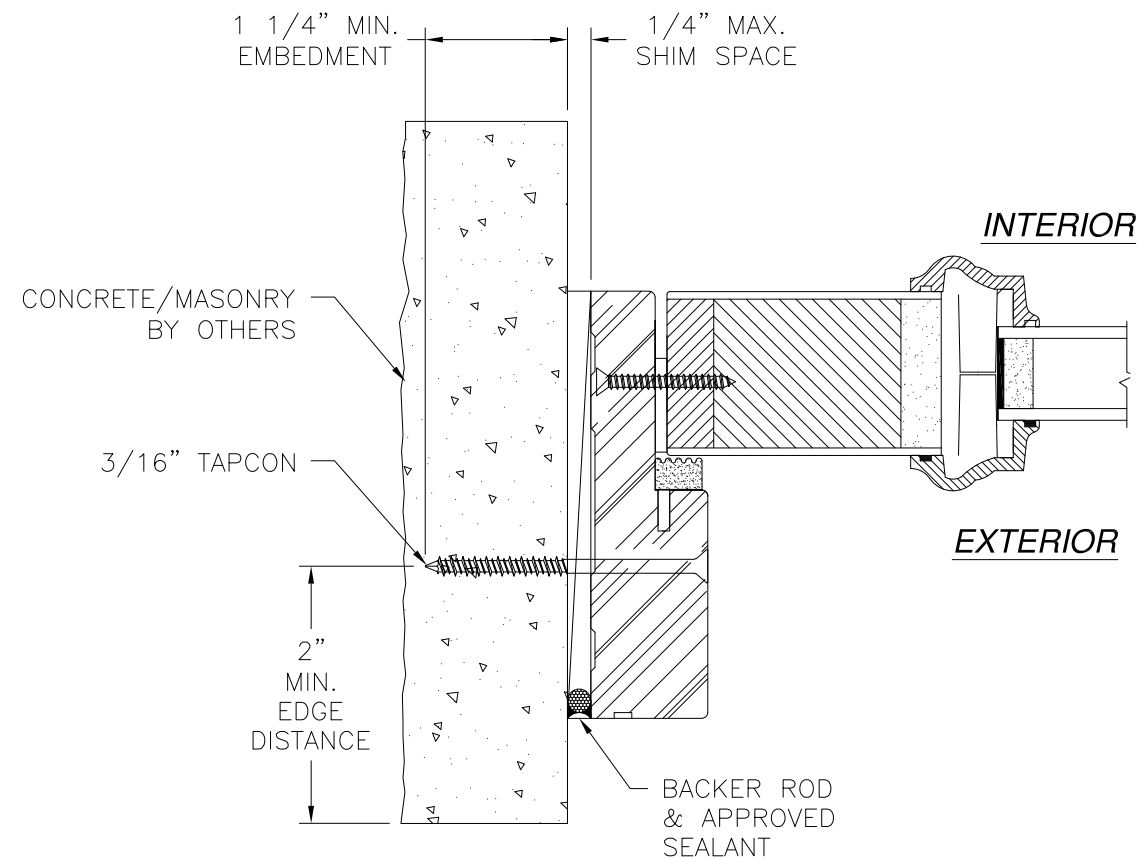
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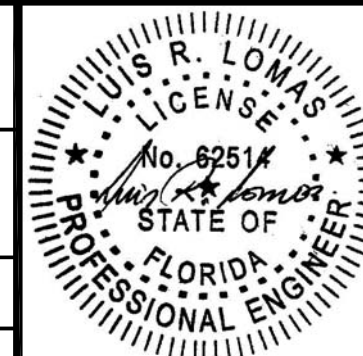


JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

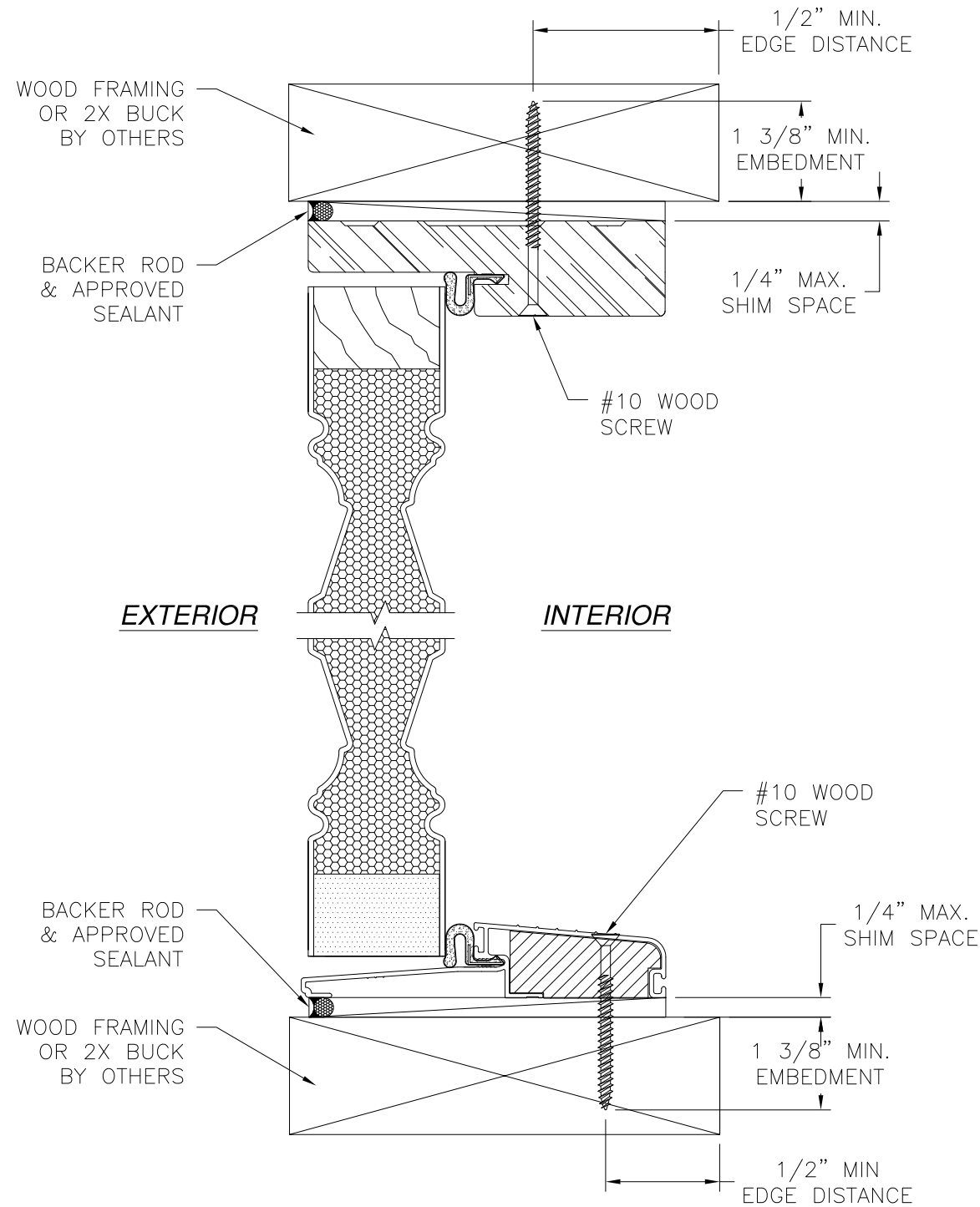
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 11/27/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES IS SIDELITE INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 10 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

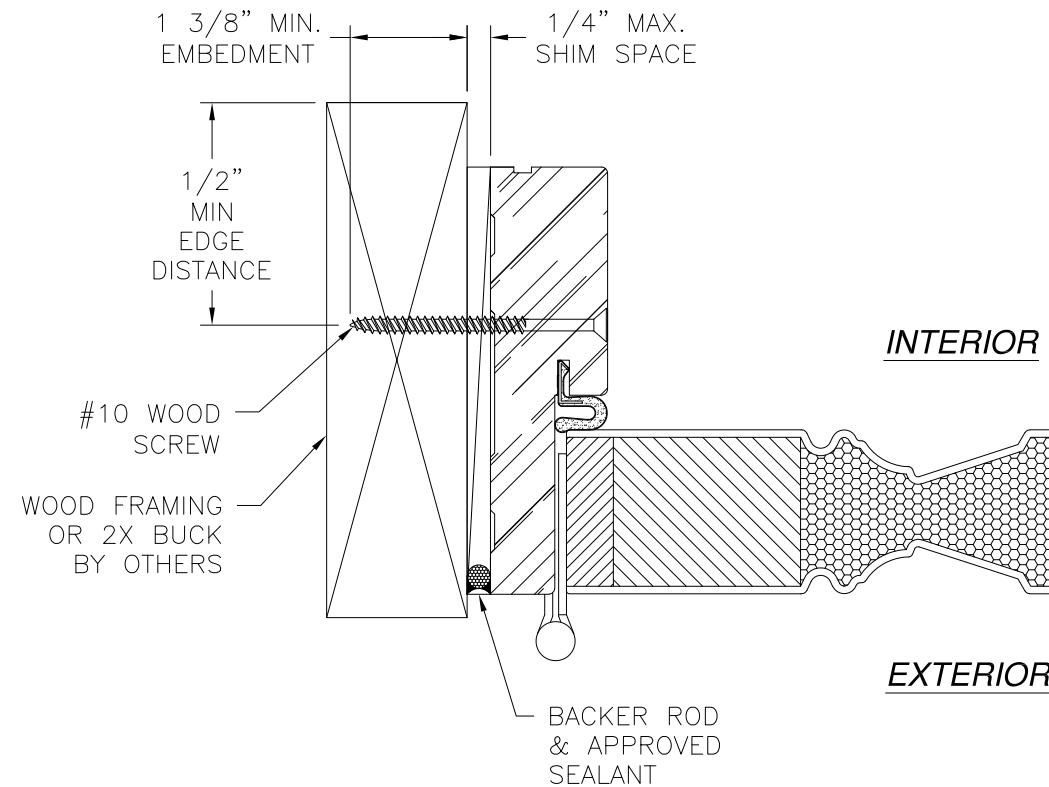


Luis R. Lomas P.E.
 FL No.: 62514



VERTICAL CROSS SECTION
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

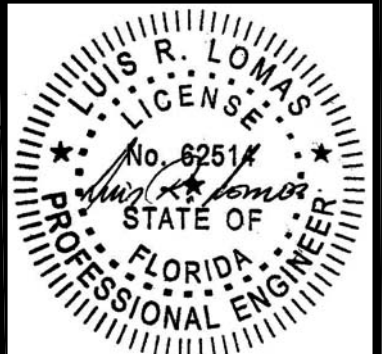


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.

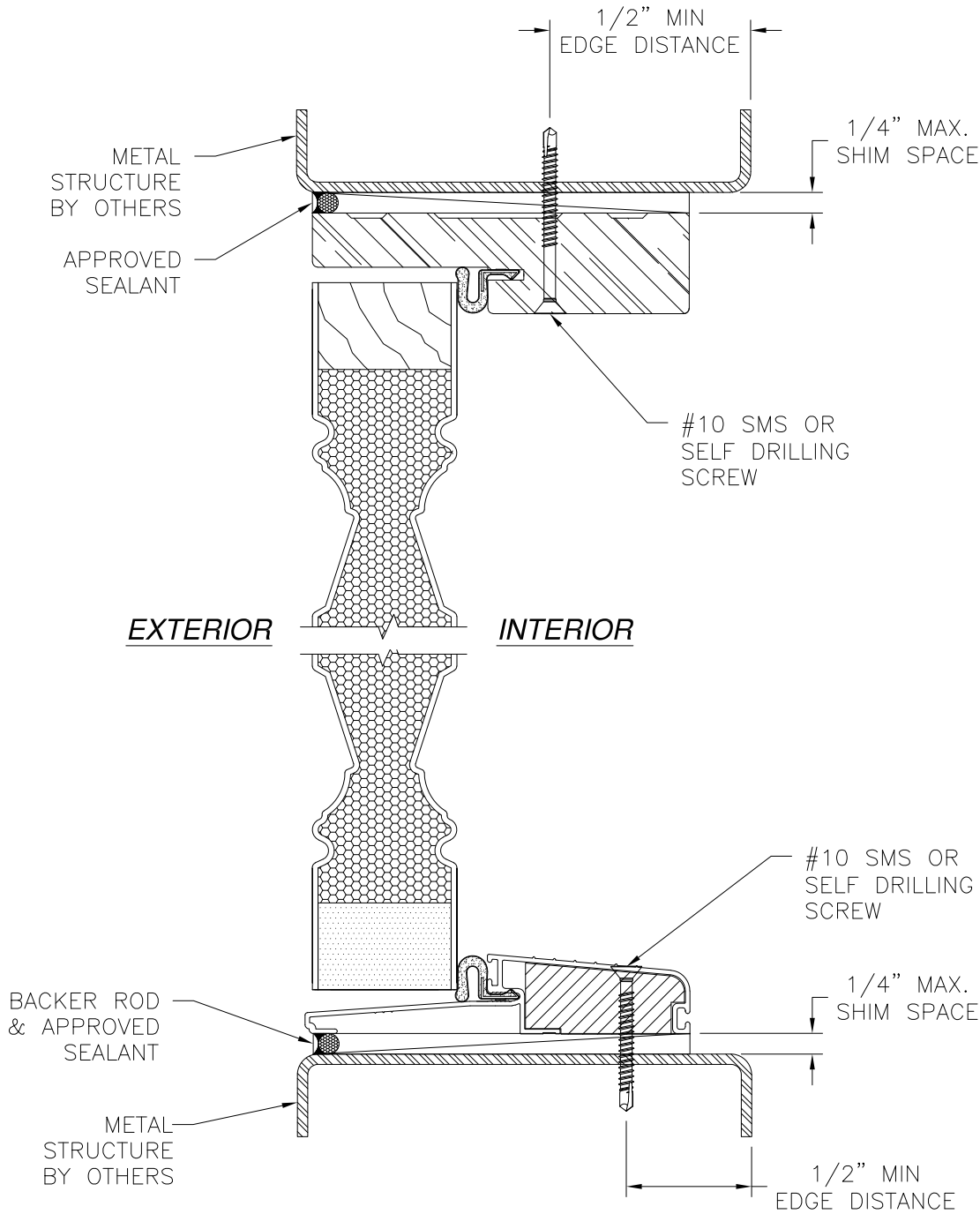
SIGNED: 11/27/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS DOOR INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 11 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

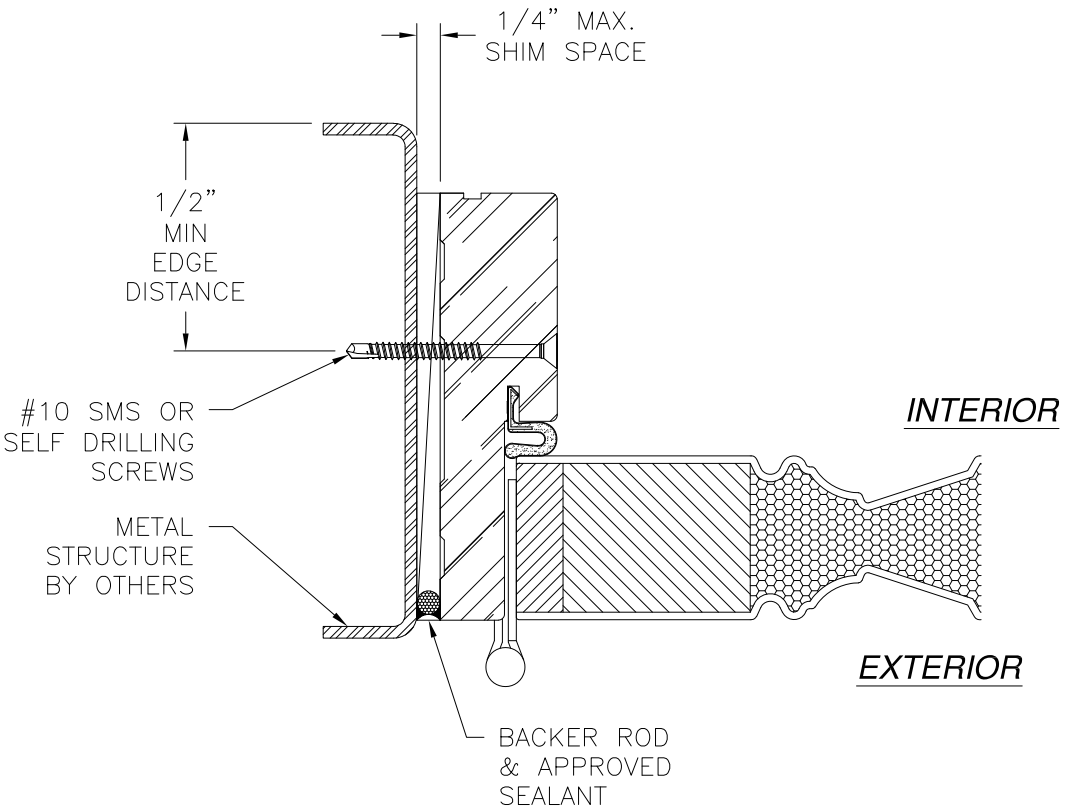


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE 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

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
OS DOOR INSTALLATION DETAILS

DRAWN:

V.L.

DWG NO.

08-01363

REV

F

SCALE

NTS

DATE

10/13/11

SHEET

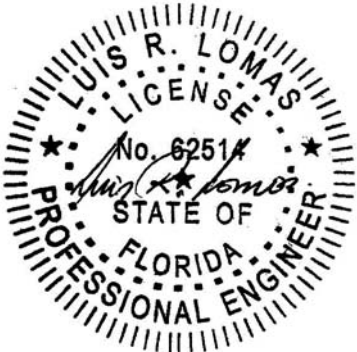
12 OF 32

L. ROBERTO LOMAS P.E.

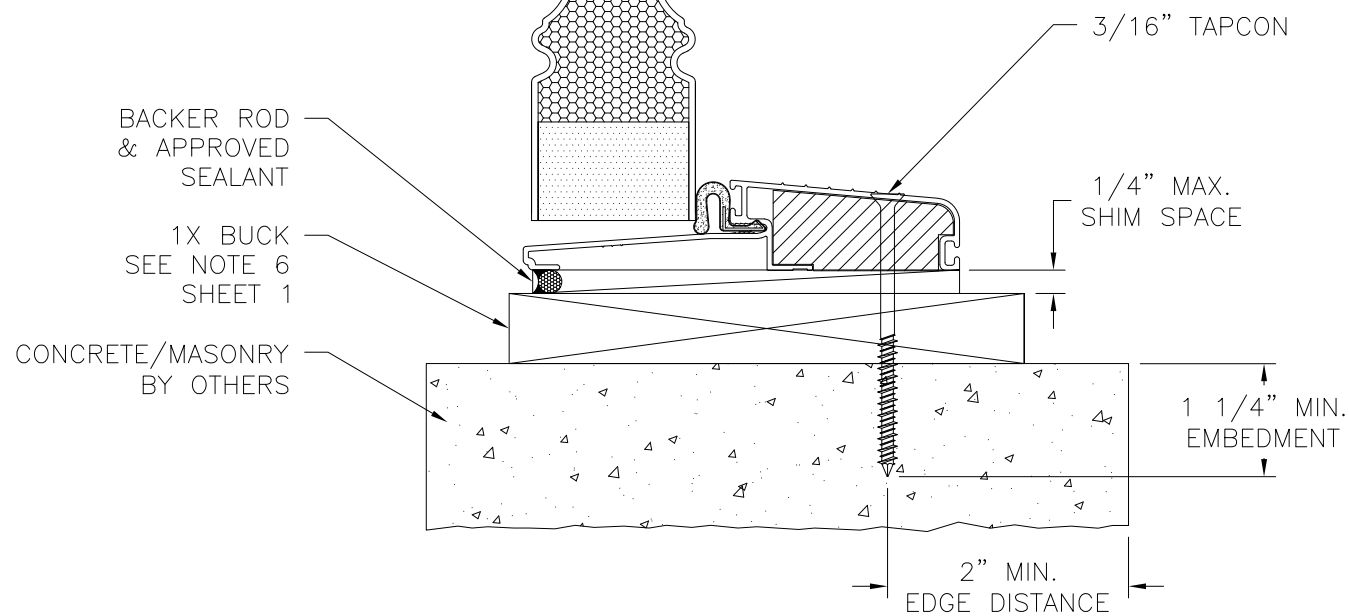
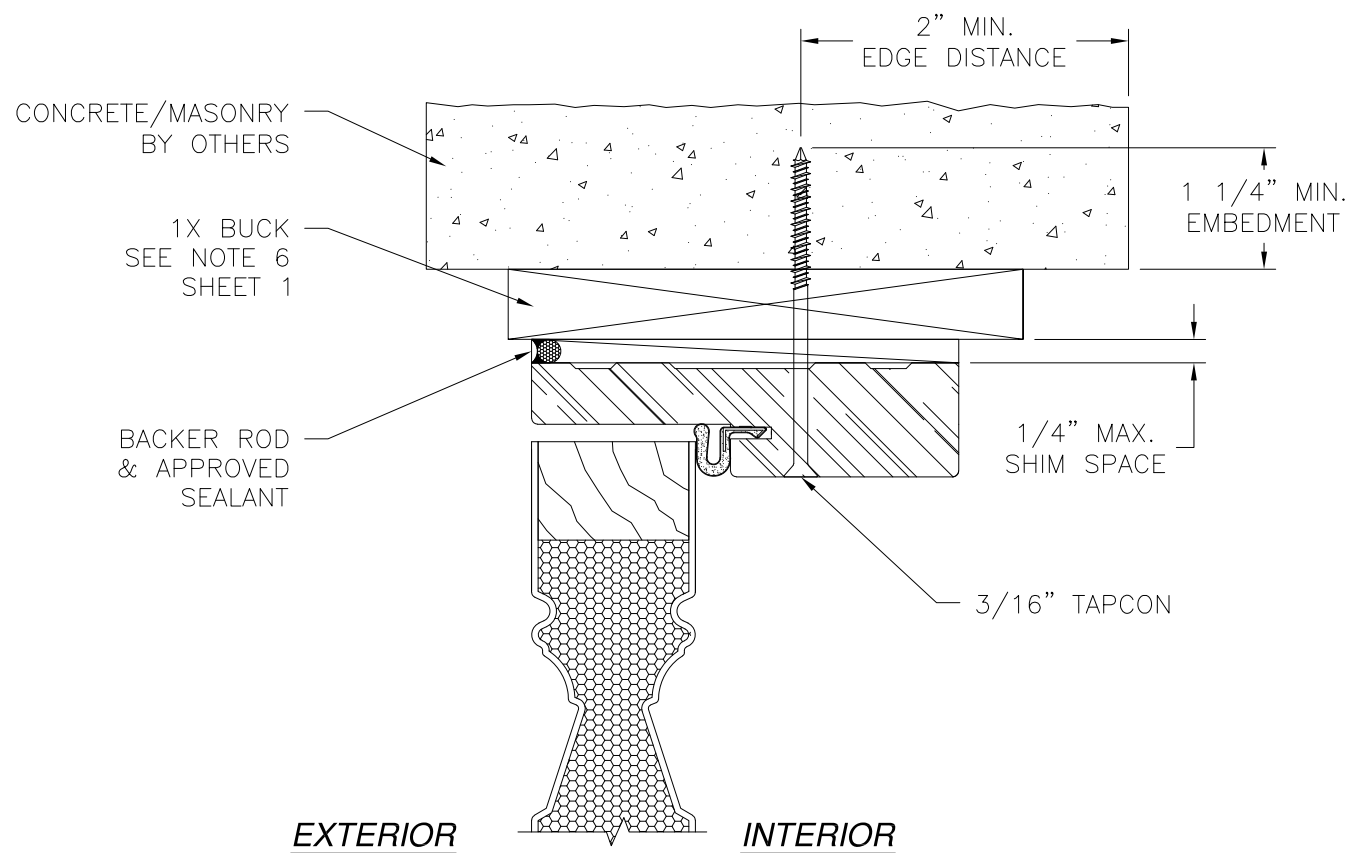
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

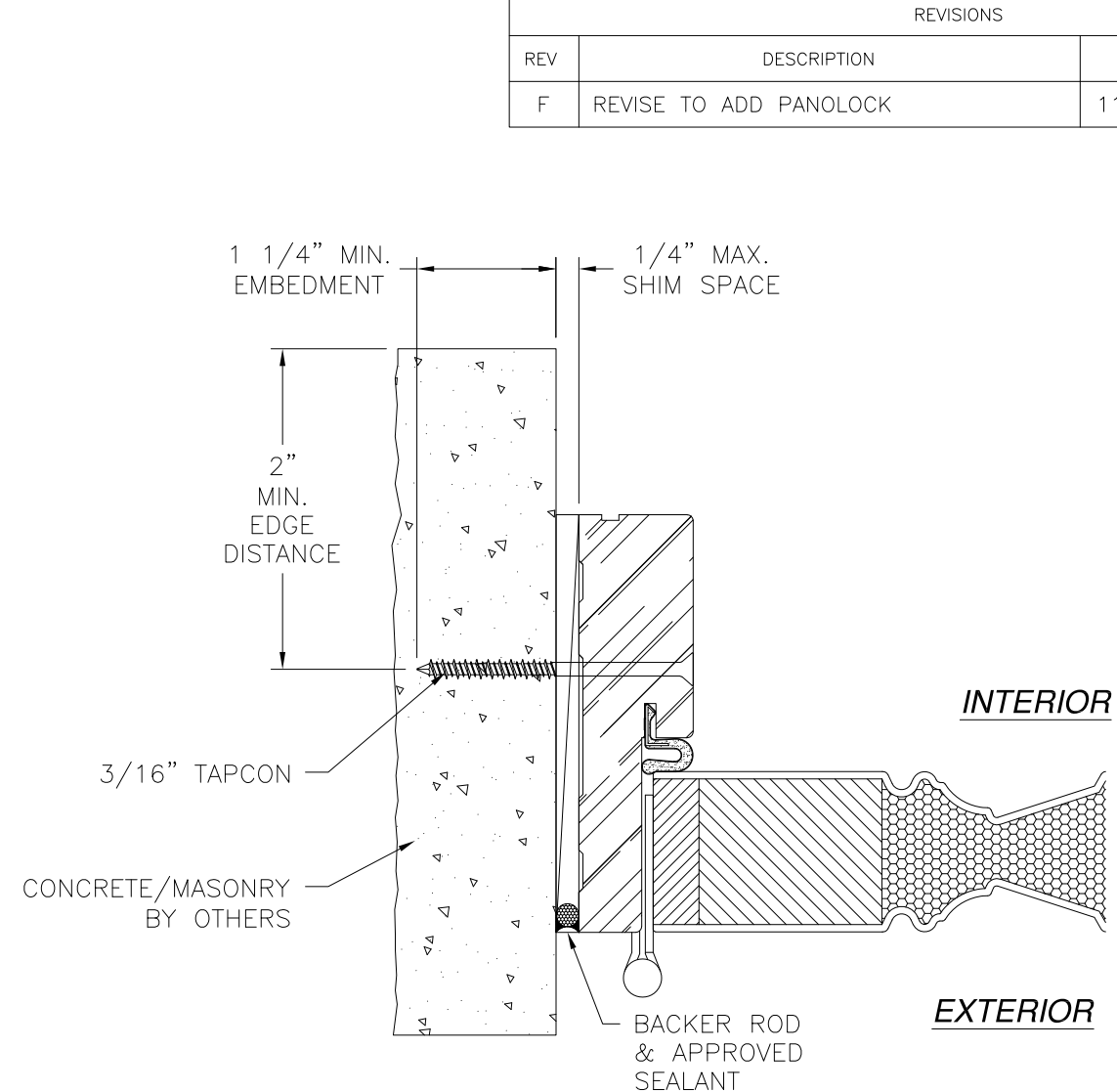
SIGNED: 11/27/2023



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



VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



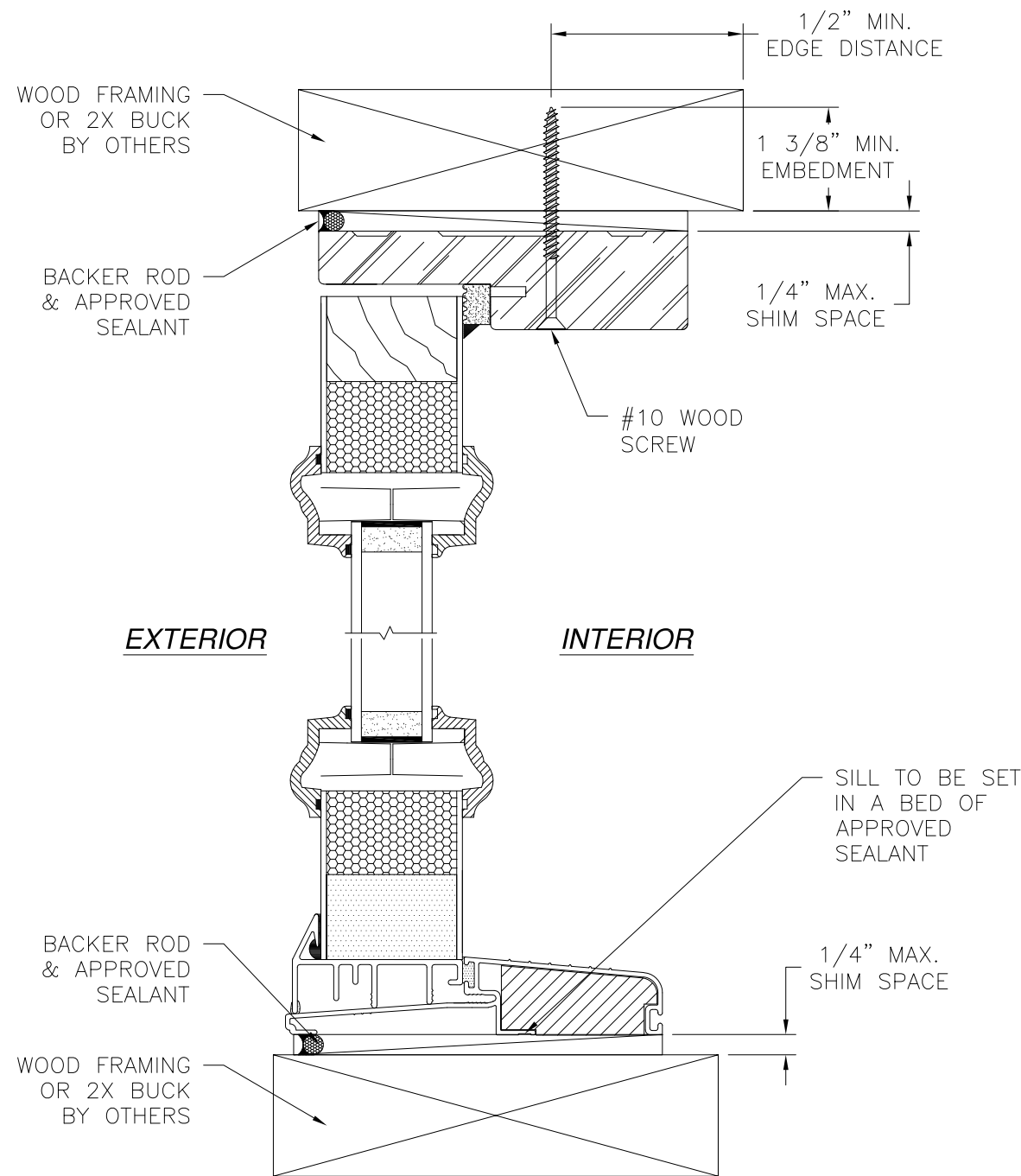
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS DOOR INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 13 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 11/27/2023

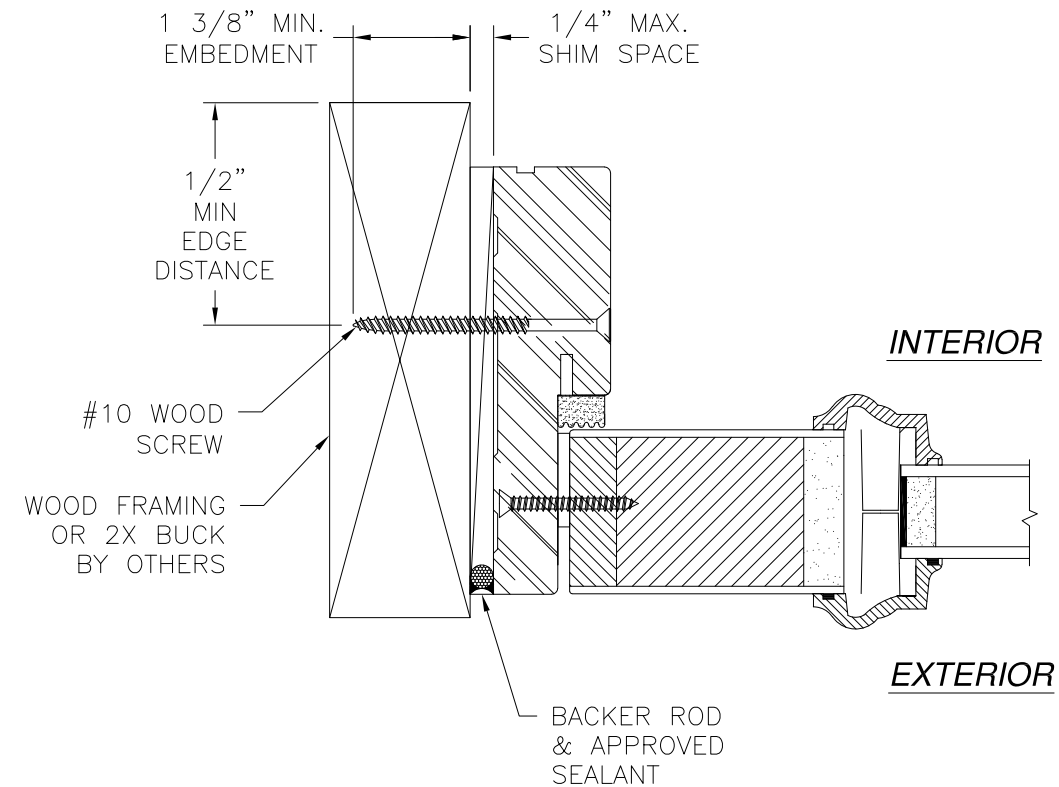
Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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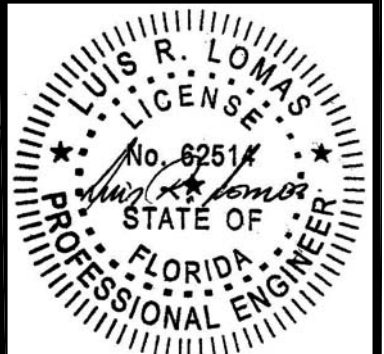
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

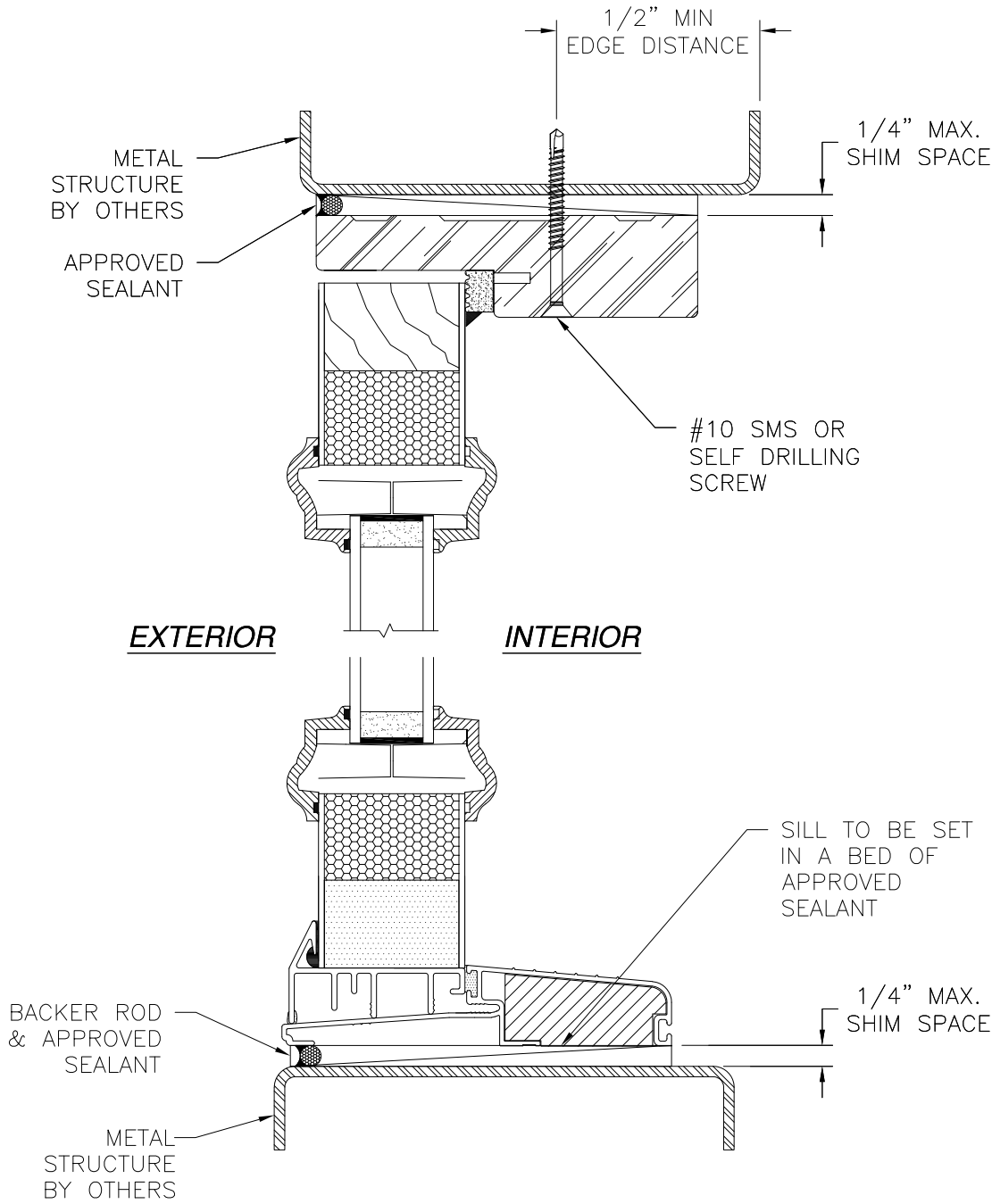
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS SIDELITE INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 14 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 11/27/2023

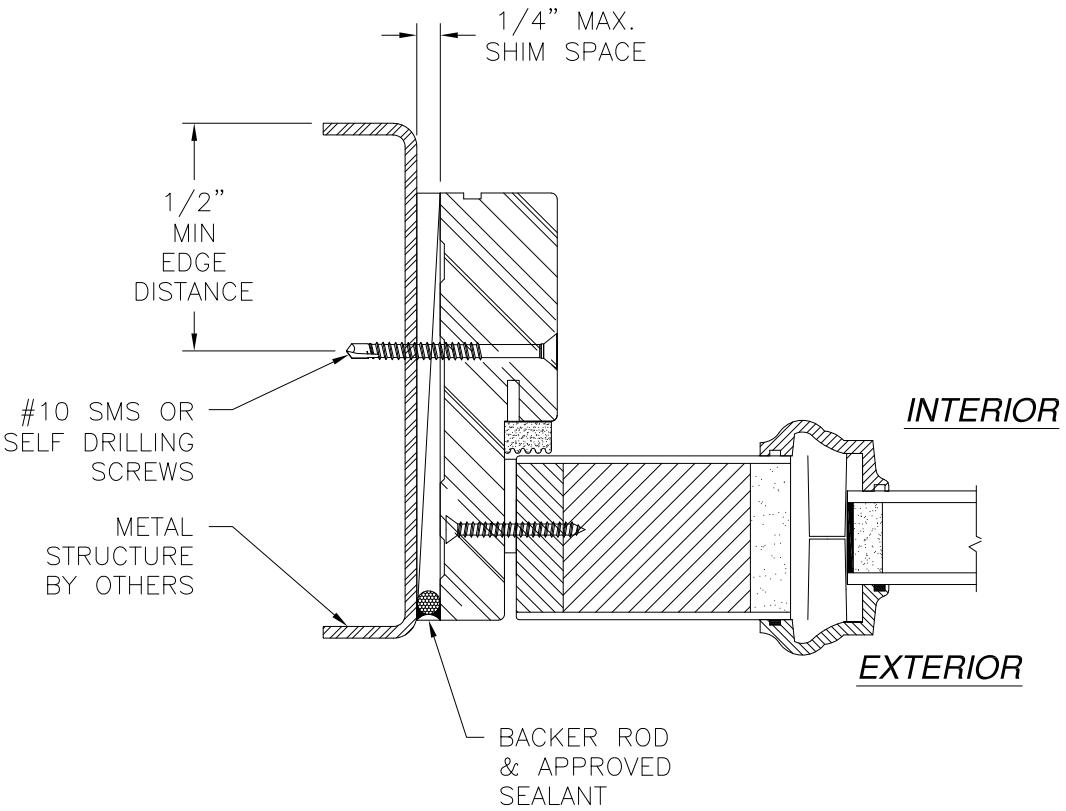


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:
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SIGNED: 11/27/2023

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
OS SIDELITE INSTALLATION DETAILS

DRAWN:

V.L.

DWG NO.

08-01363

REV

F

SCALE

NTS

DATE

10/13/11

SHEET

15 OF 32

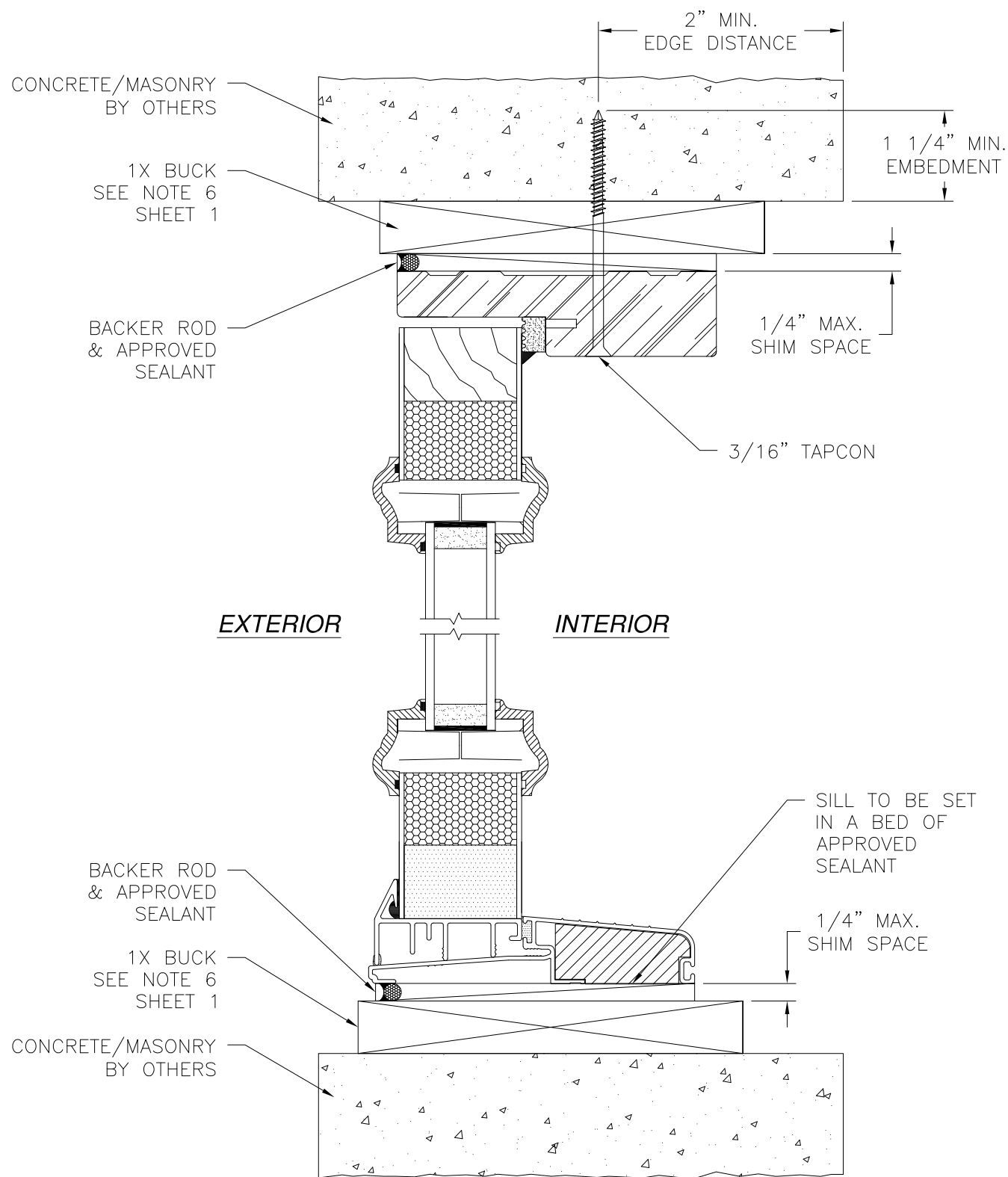
L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

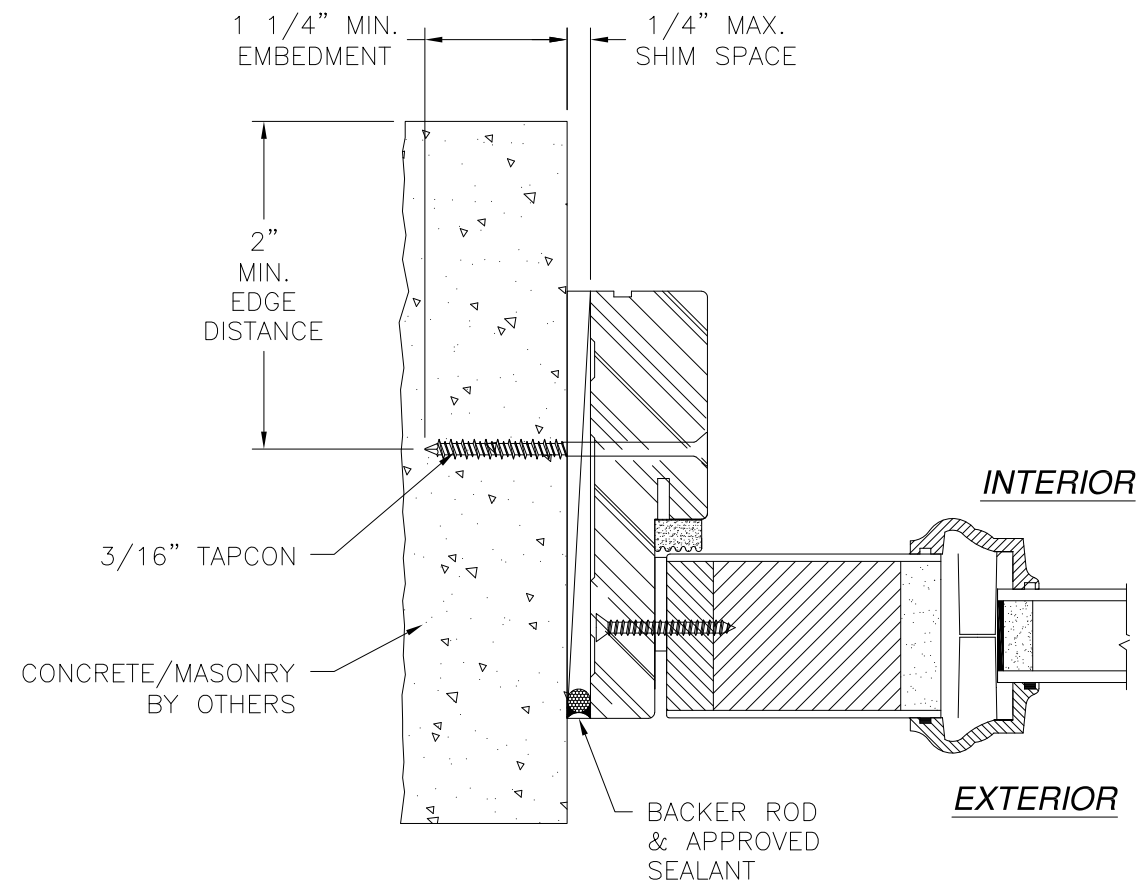
434-688-0609 rllomas@lrlomaspe.com



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



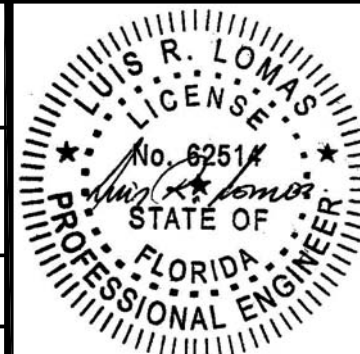
VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

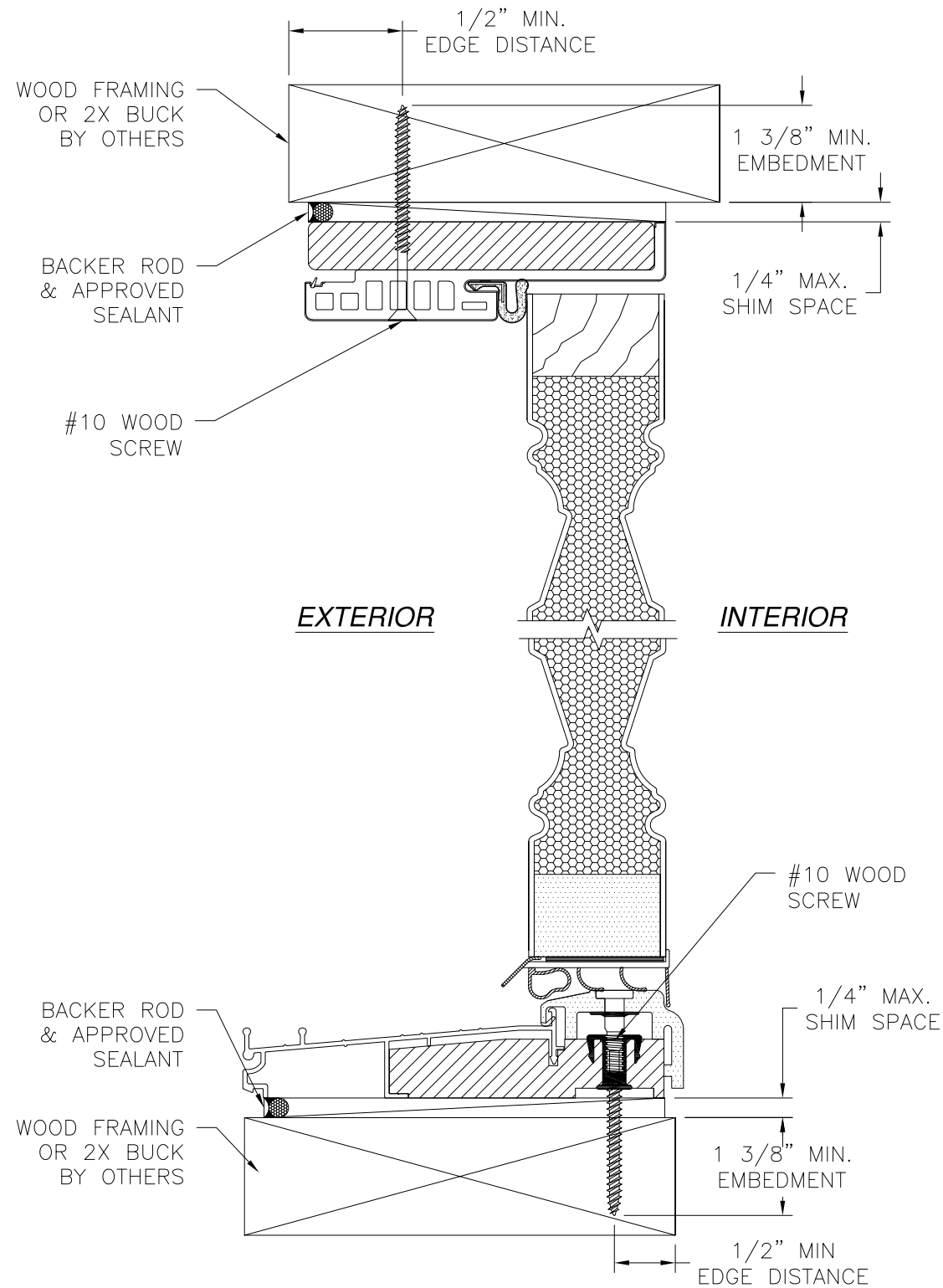
- NOTES:**
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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS SIDELITE INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 16 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

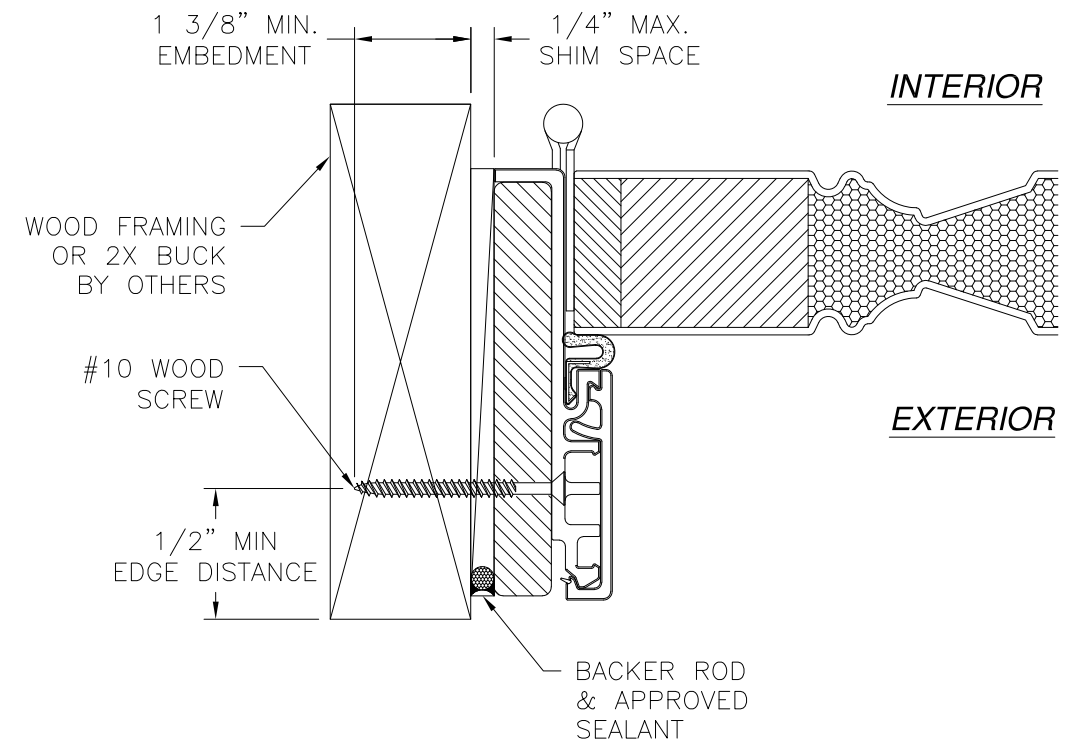


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:**
 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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PROVIA, LLC.

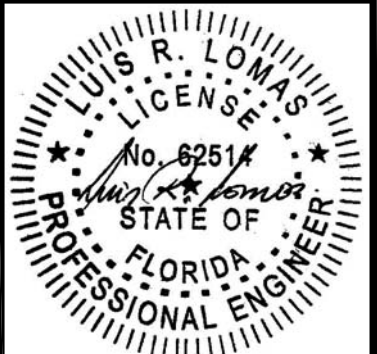
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
IS DOOR W/FUSION FRAME INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 17 OF 32

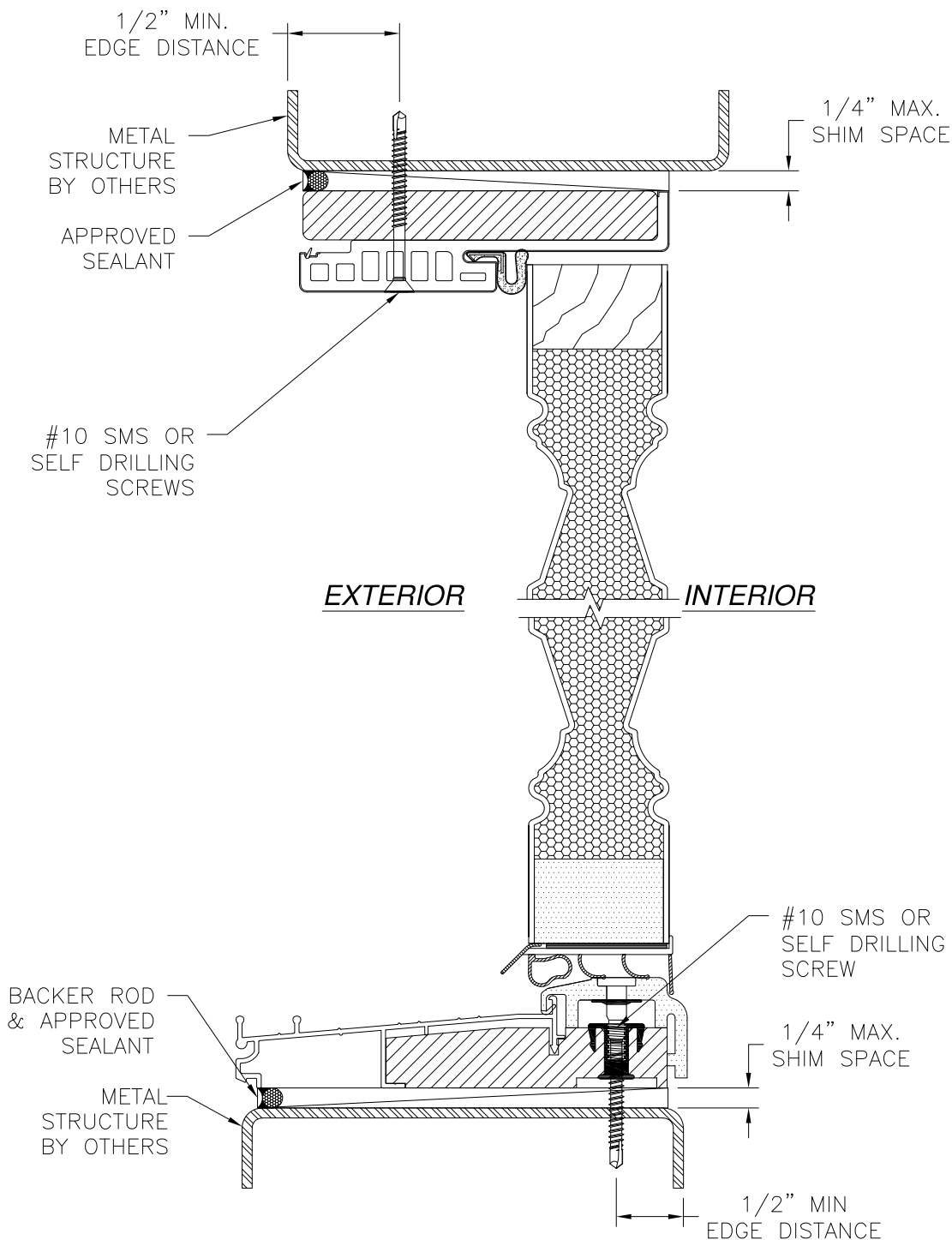
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 11/27/2023

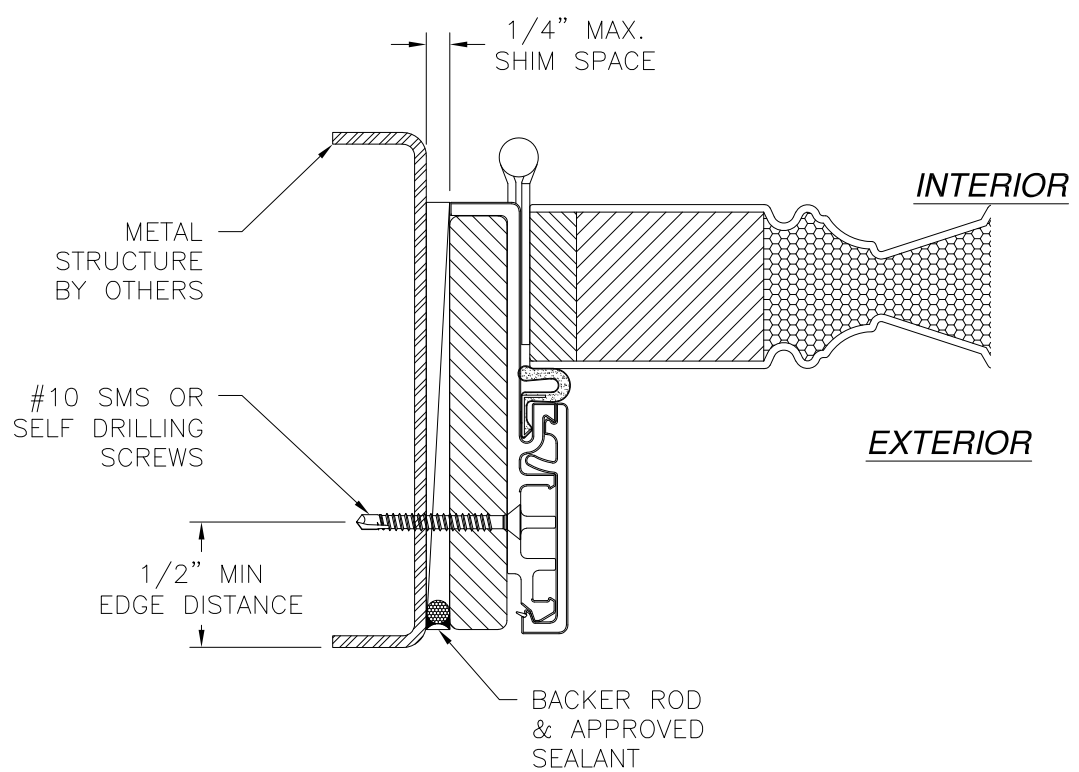


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

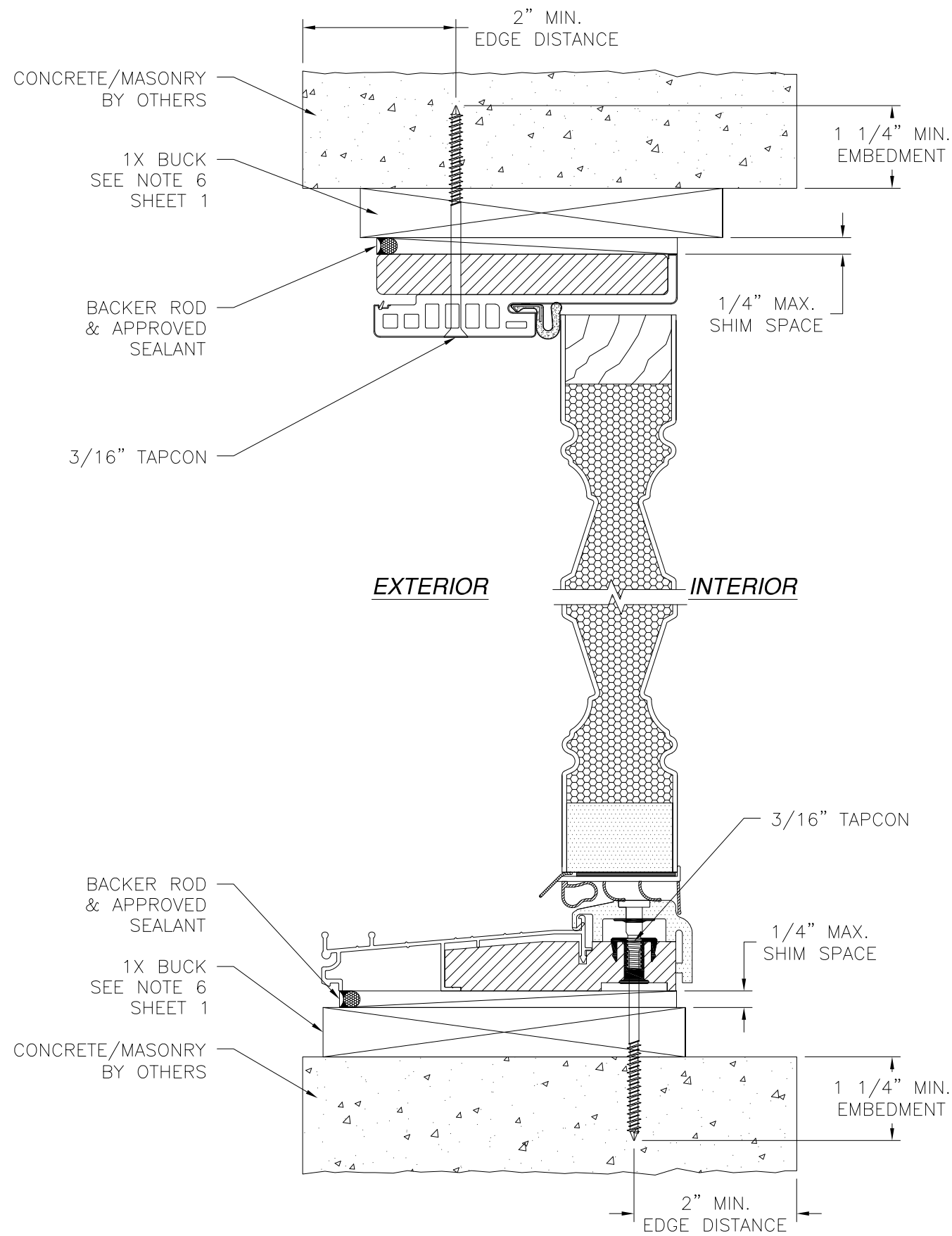
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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES IS DOOR W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 18 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

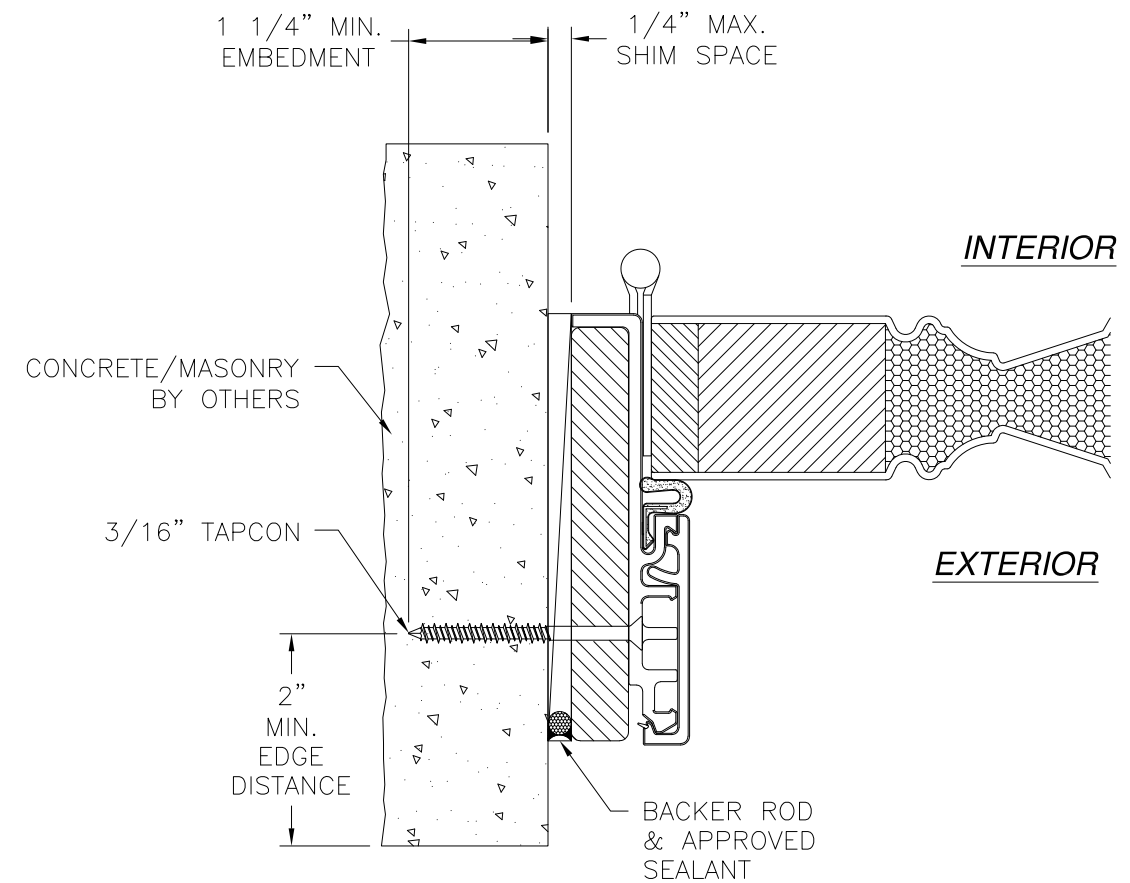
SIGNED: 11/27/2023

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL



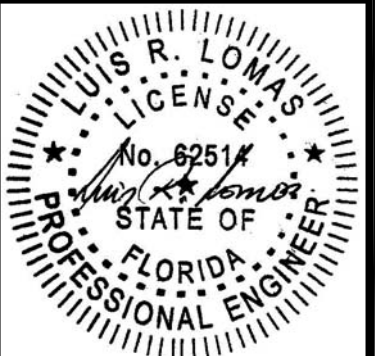
JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

- NOTES:**
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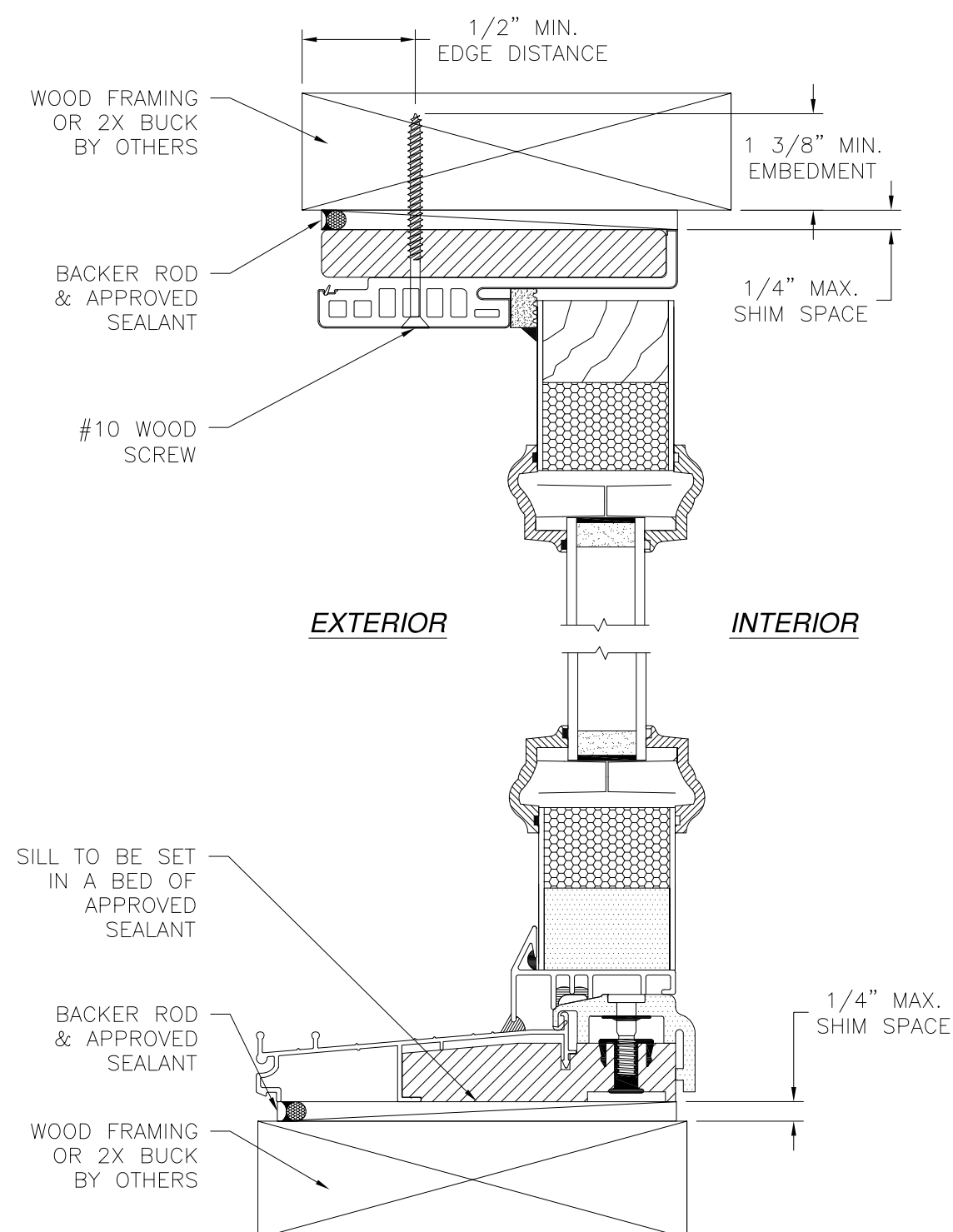
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES IS DOOR W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 19 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

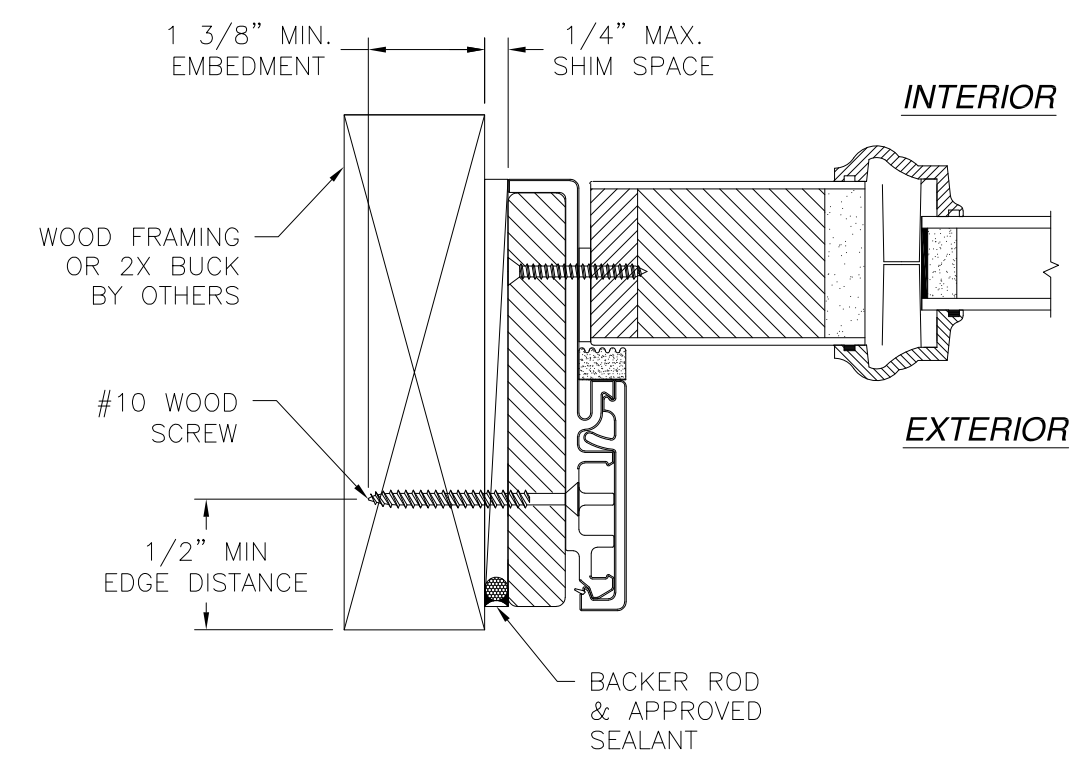
SIGNED: 11/27/2023



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



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.

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

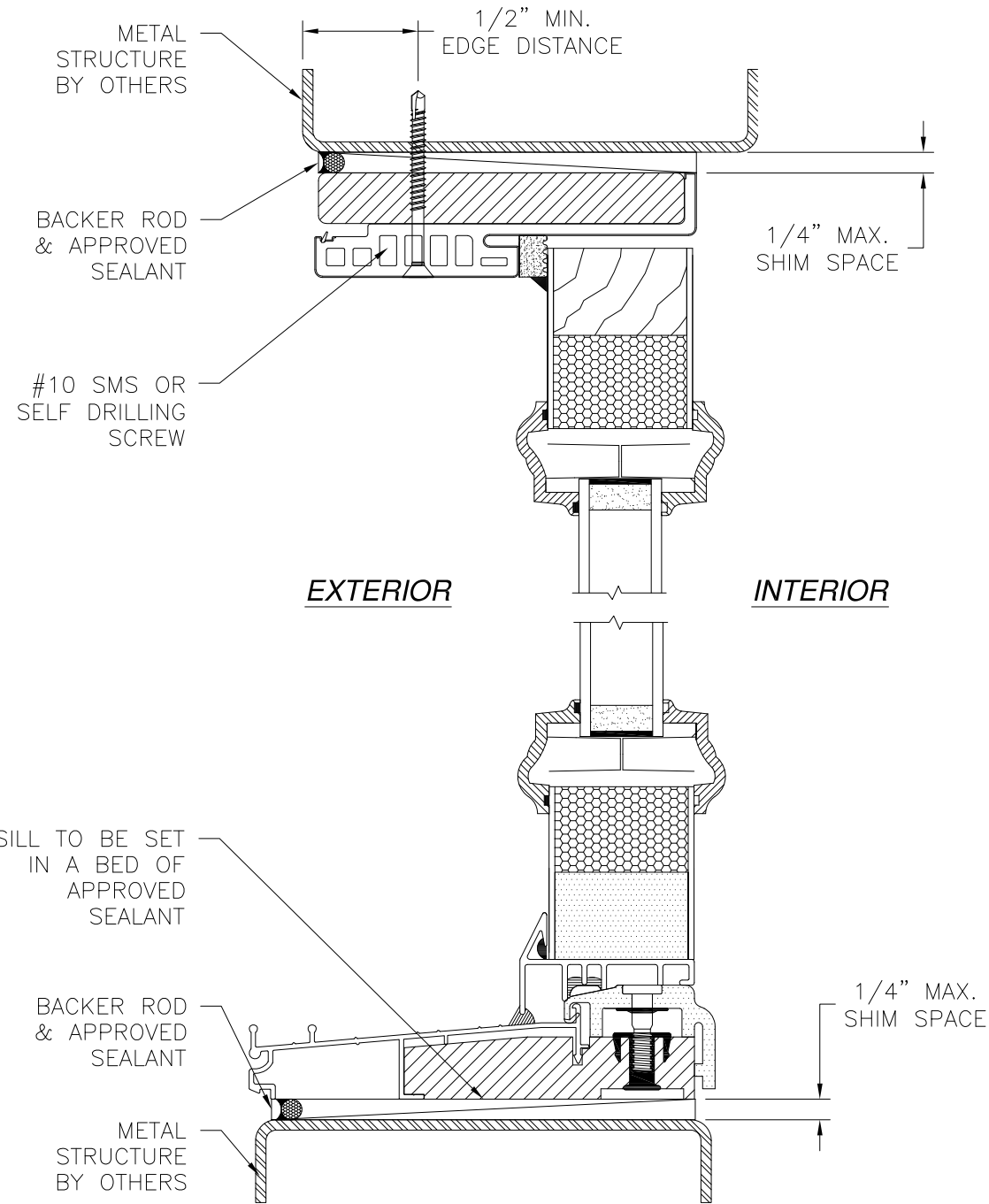
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
IS SIDELITE W/FUSION FRAME INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 20 OF 32

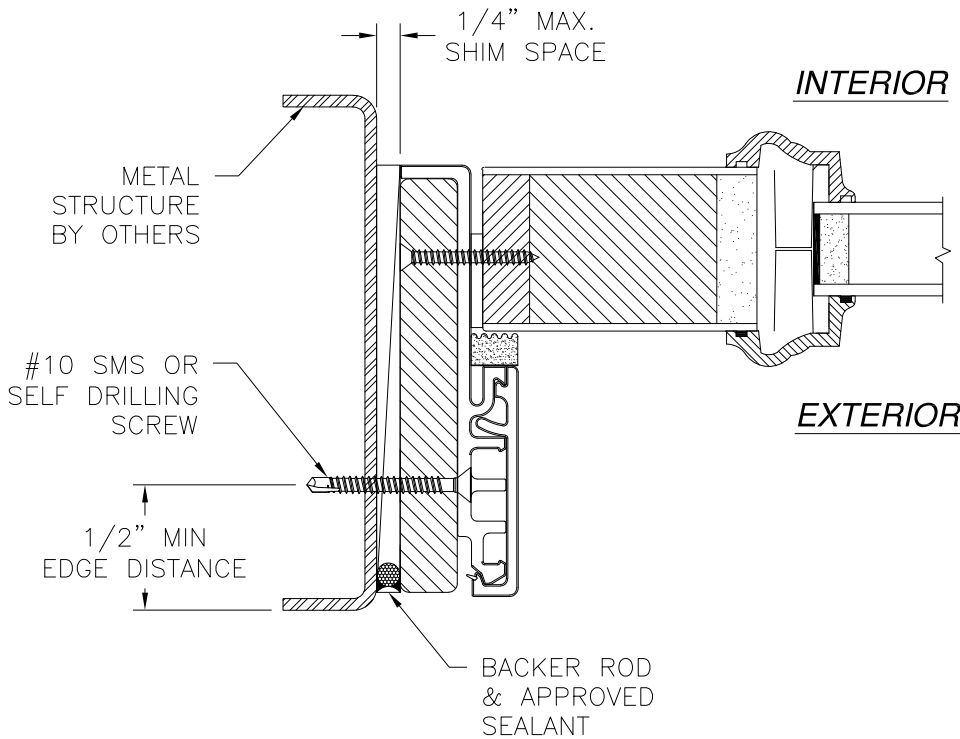
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 11/27/2023

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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
IS SIDELITE W/FUSION FRAME INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 21 OF 32

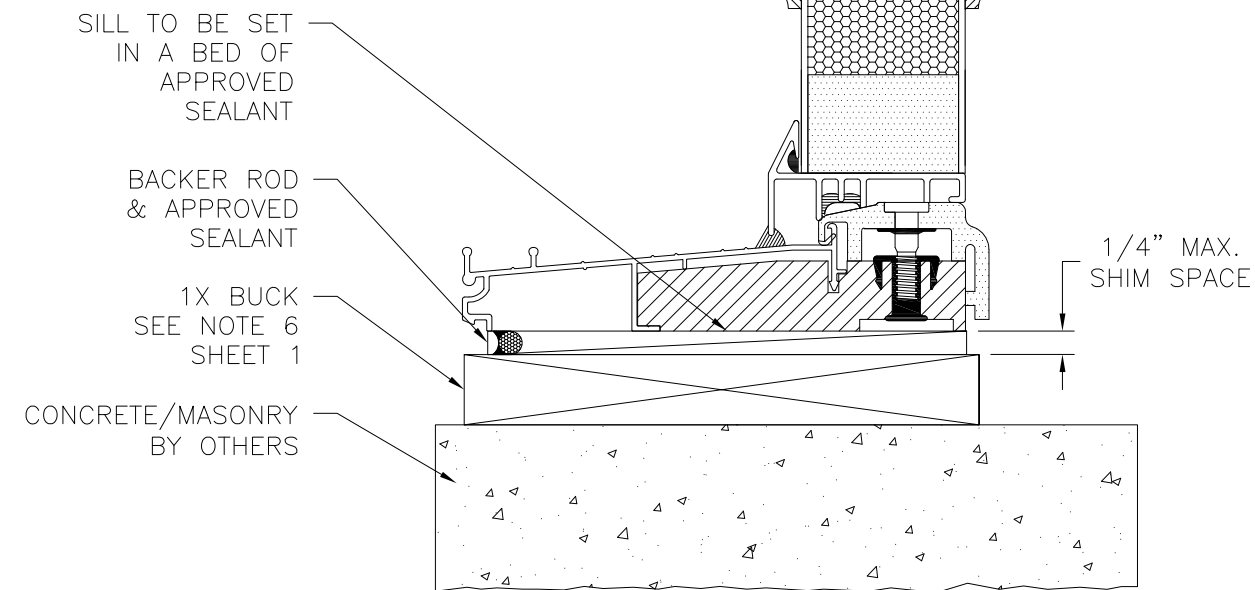
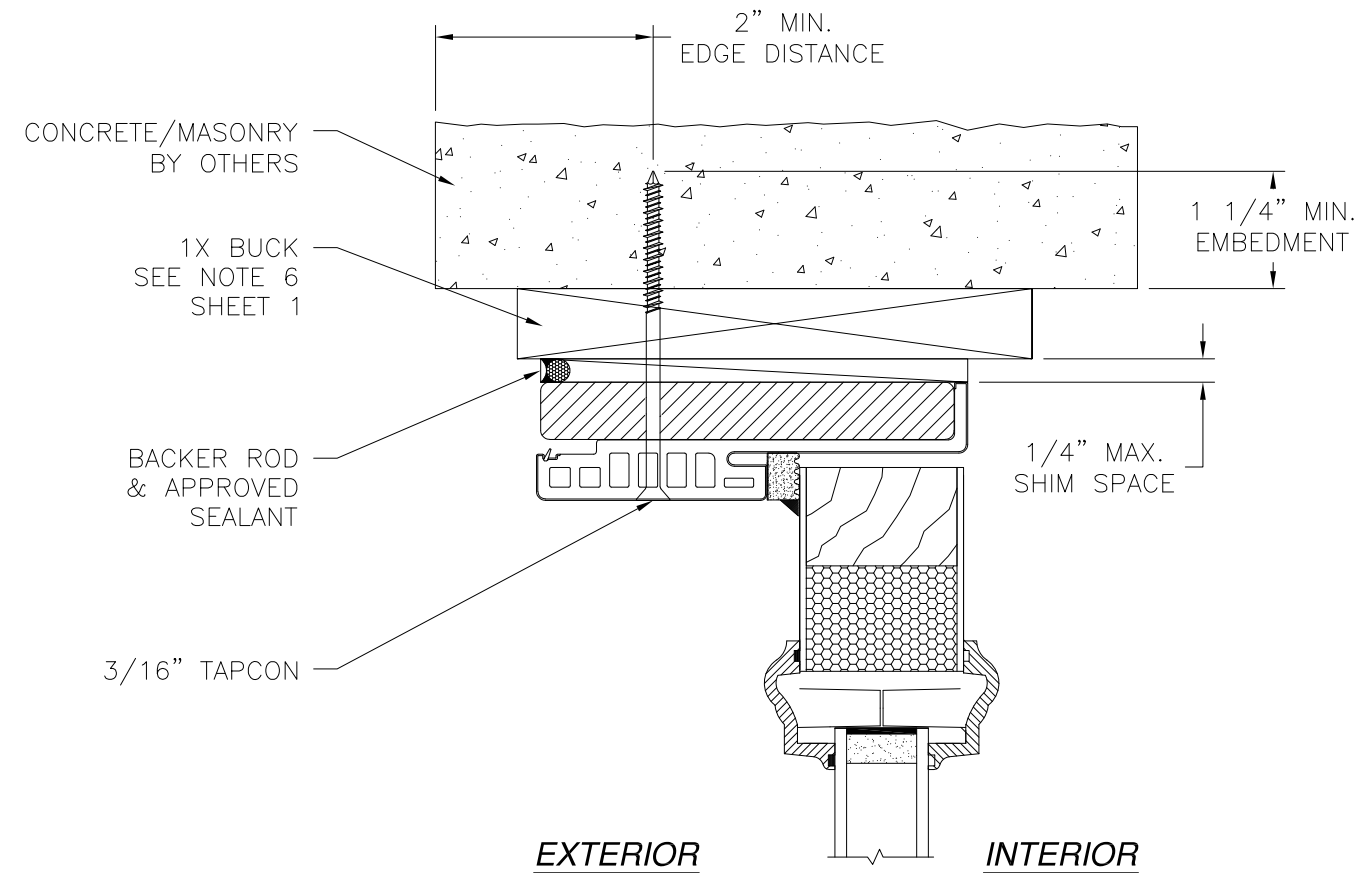
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 11/27/2023

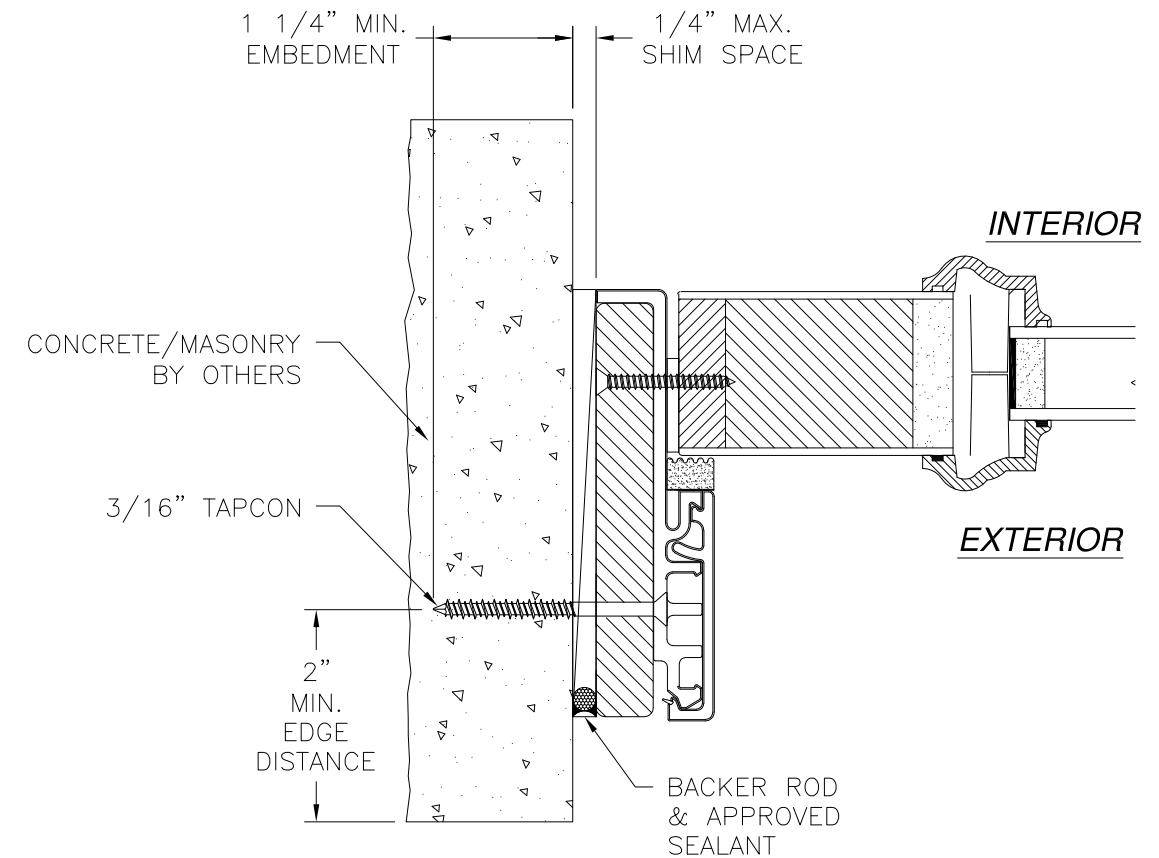
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

- NOTES:**
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SIGNED: 11/27/2023

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
IS SIDELITE W/FUSION FRAME INSTALLATION DETAILS

DRAWN: V.L.

DWG NO. 08-01363

REV F

SCALE NTS

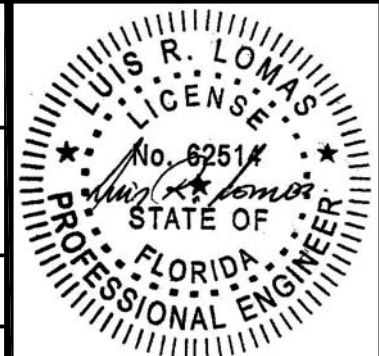
DATE 10/13/11

SHEET 22 OF 32

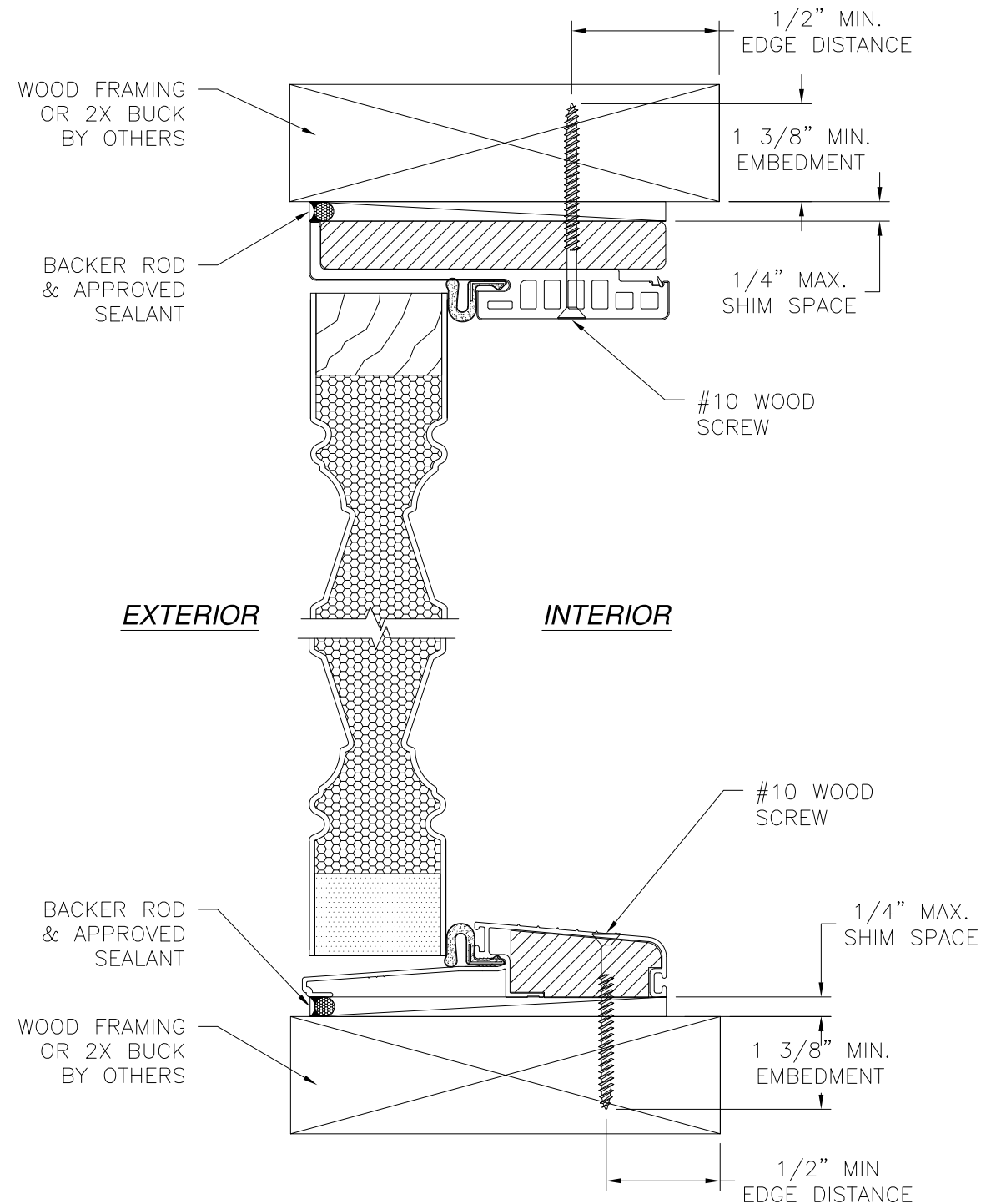
L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

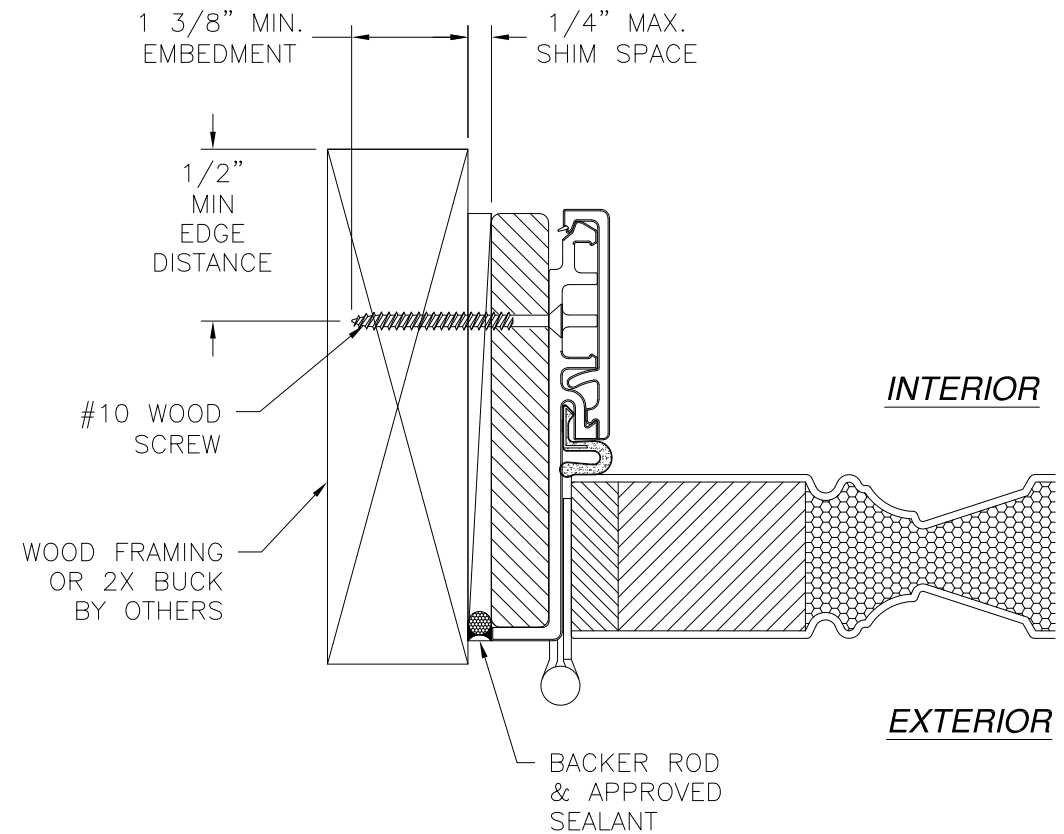
434-688-0609 rllomas@lrlomaspe.com



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



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



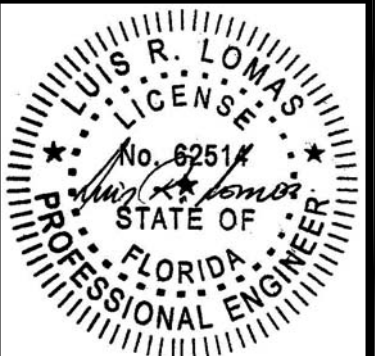
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

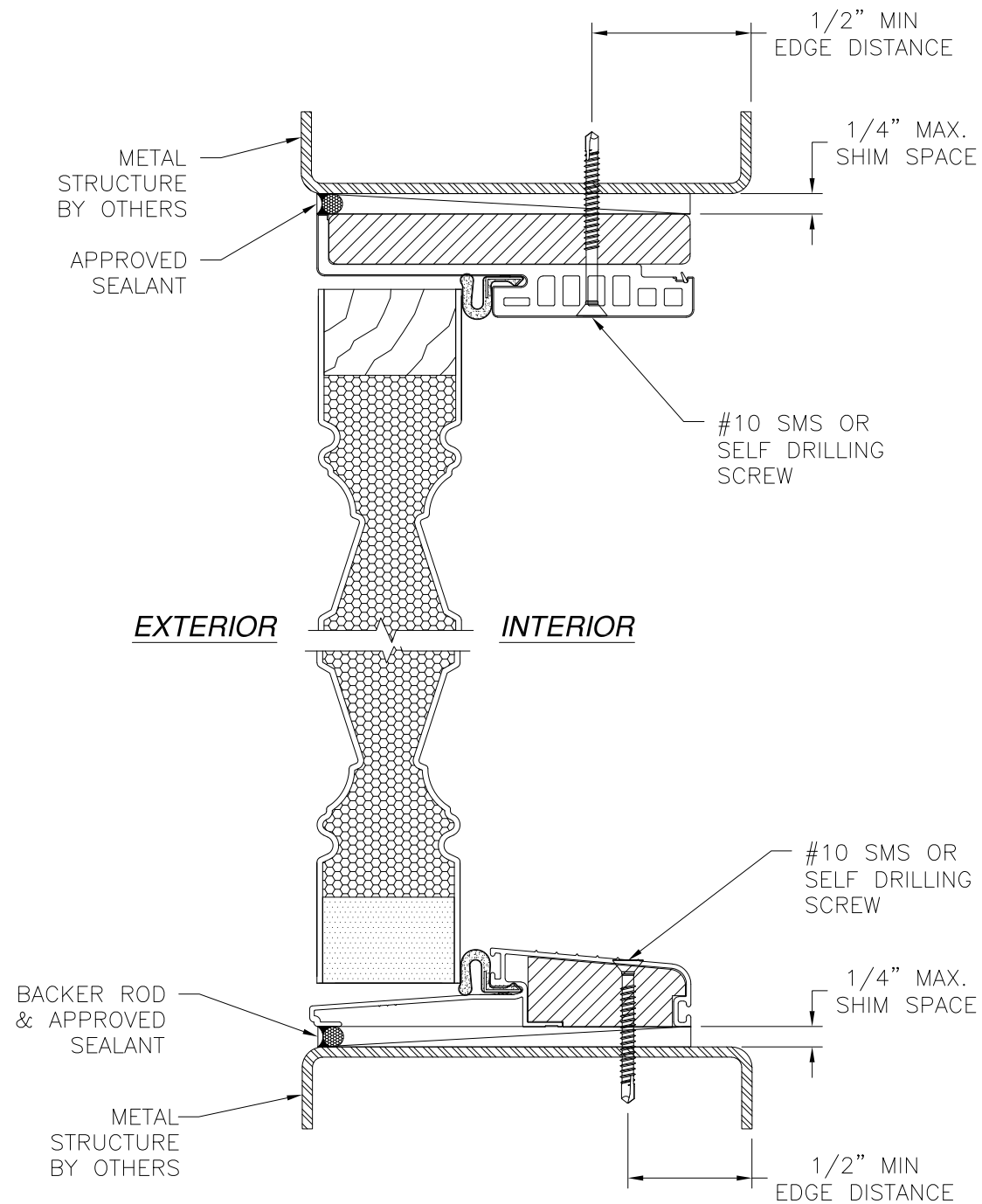
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS DOOR W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 23 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

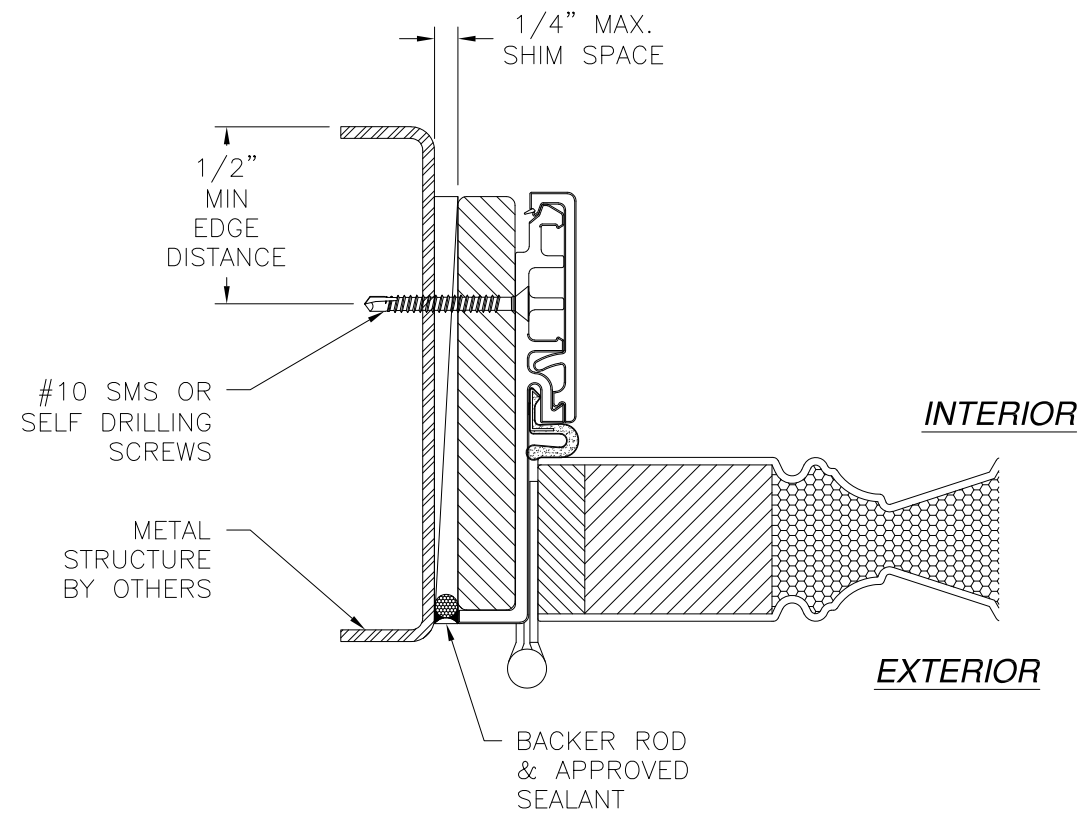
SIGNED: 11/27/2023



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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE 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

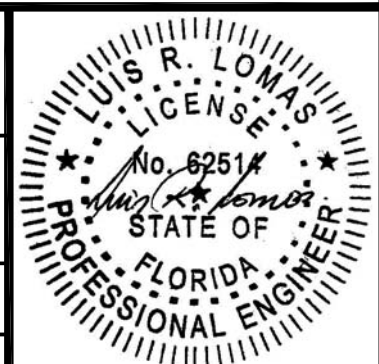
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.

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

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
OS DOOR W/FUSION FRAME INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 24 OF 32

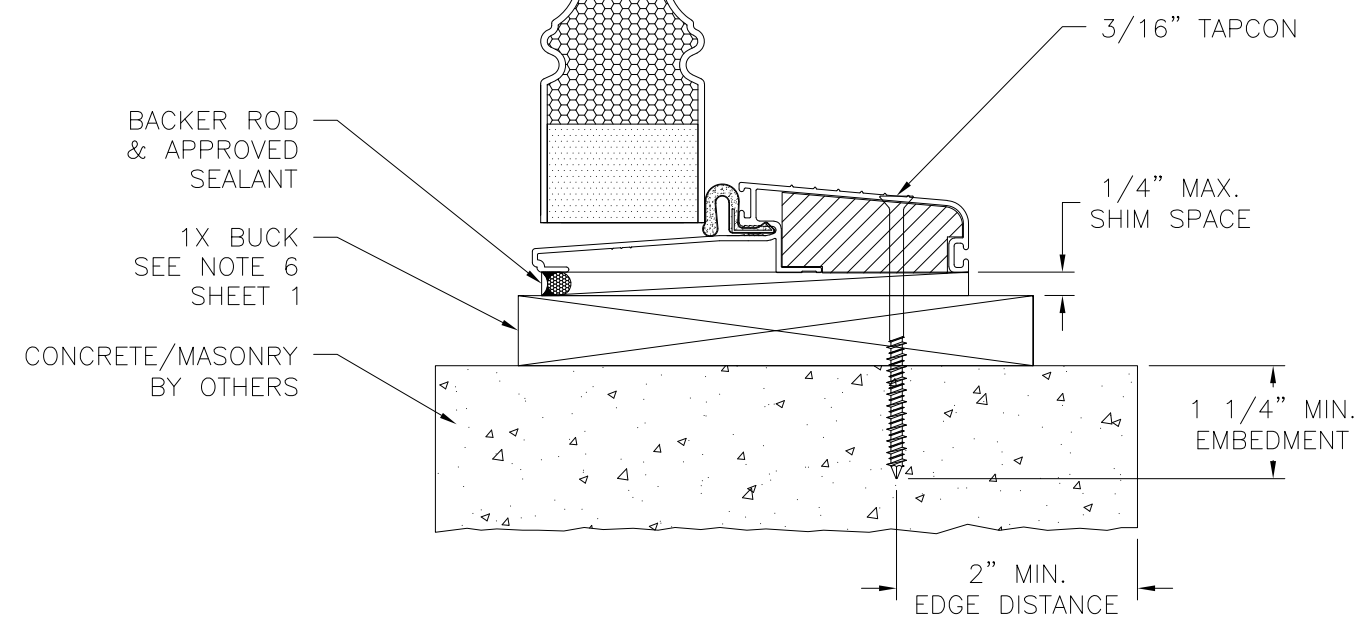
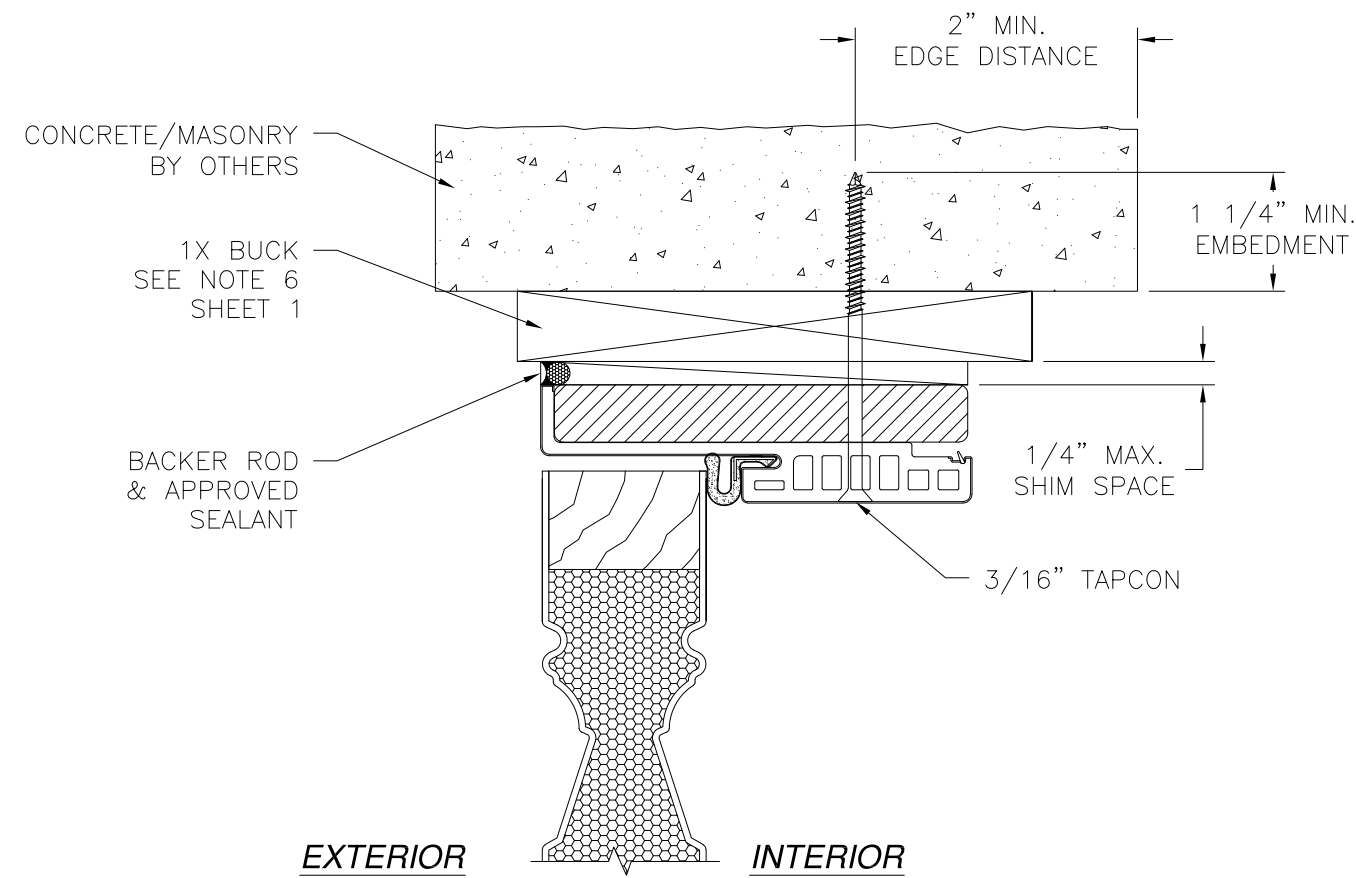
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



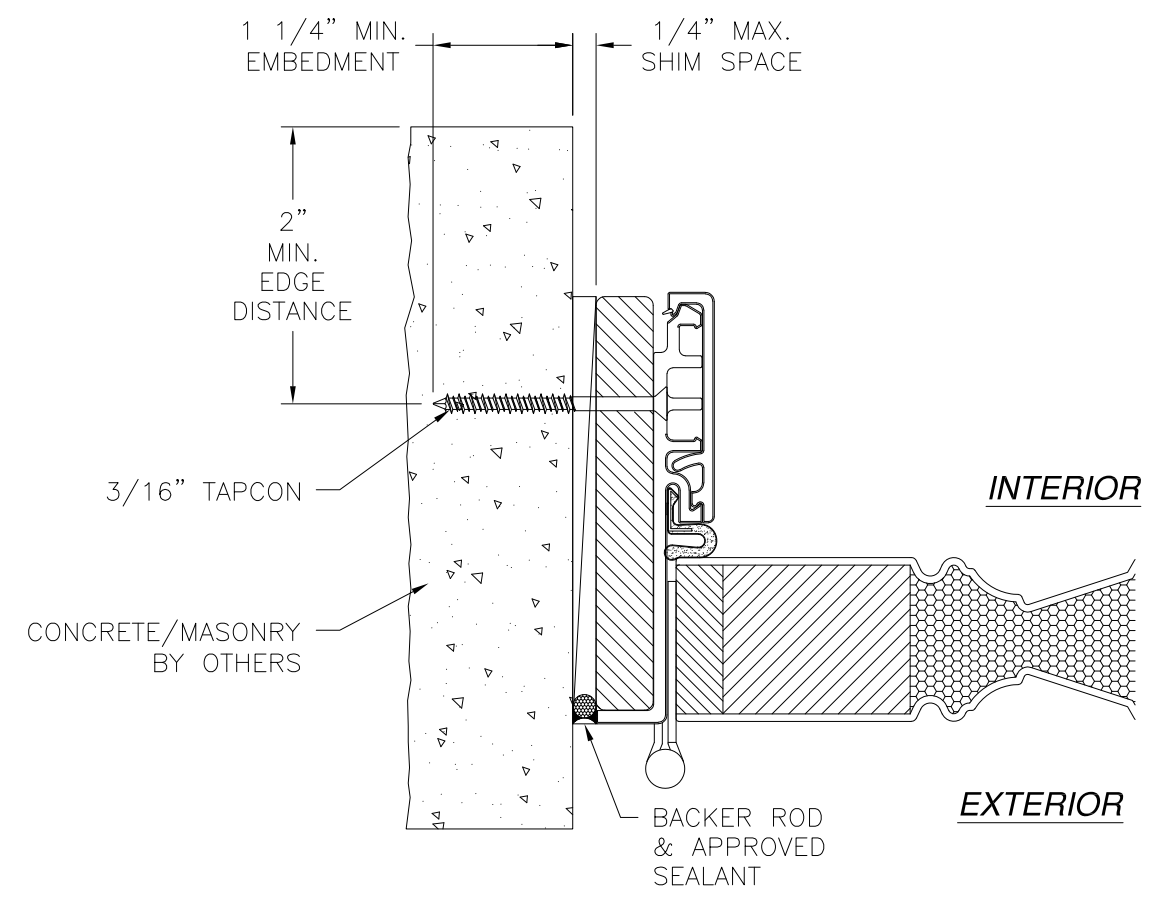
SIGNED: 11/27/2023

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL



JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

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 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS,
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SIGNED: 11/27/2023

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
OS DOOR W/FUSION FRAME INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 25 OF 32

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS

LICENS. M. S.

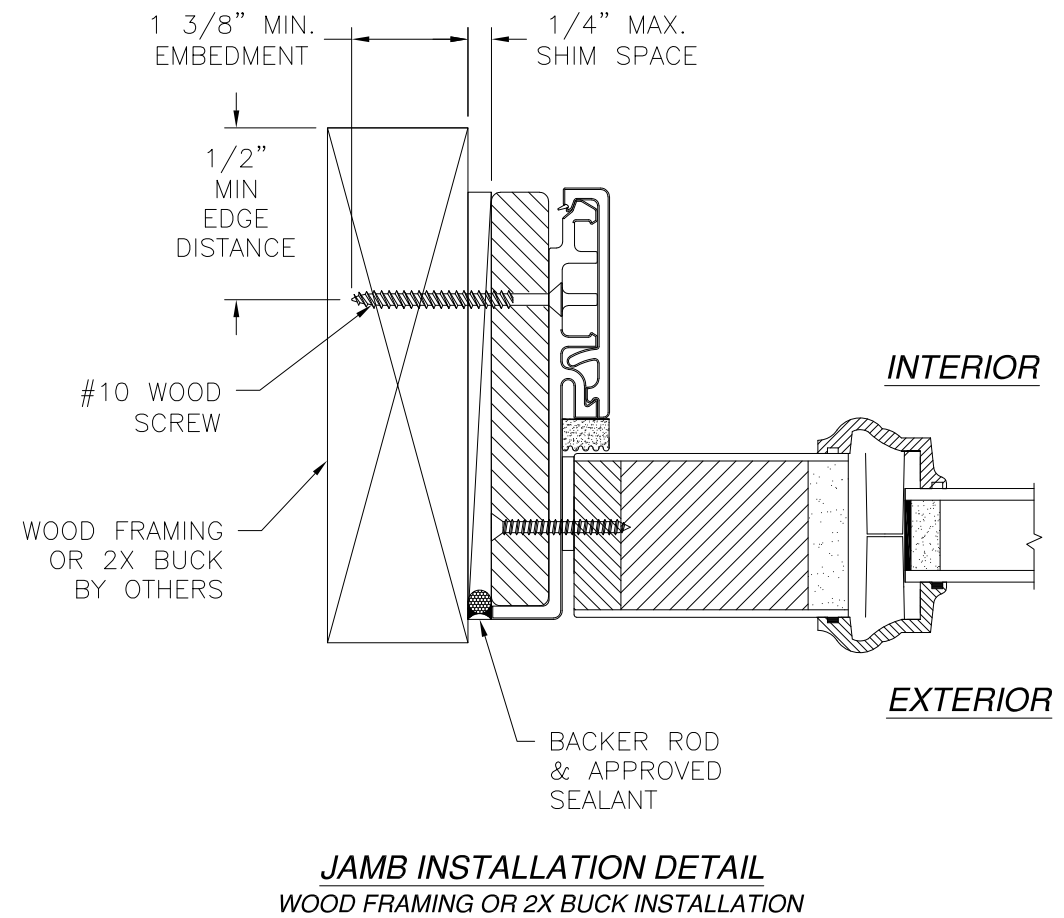
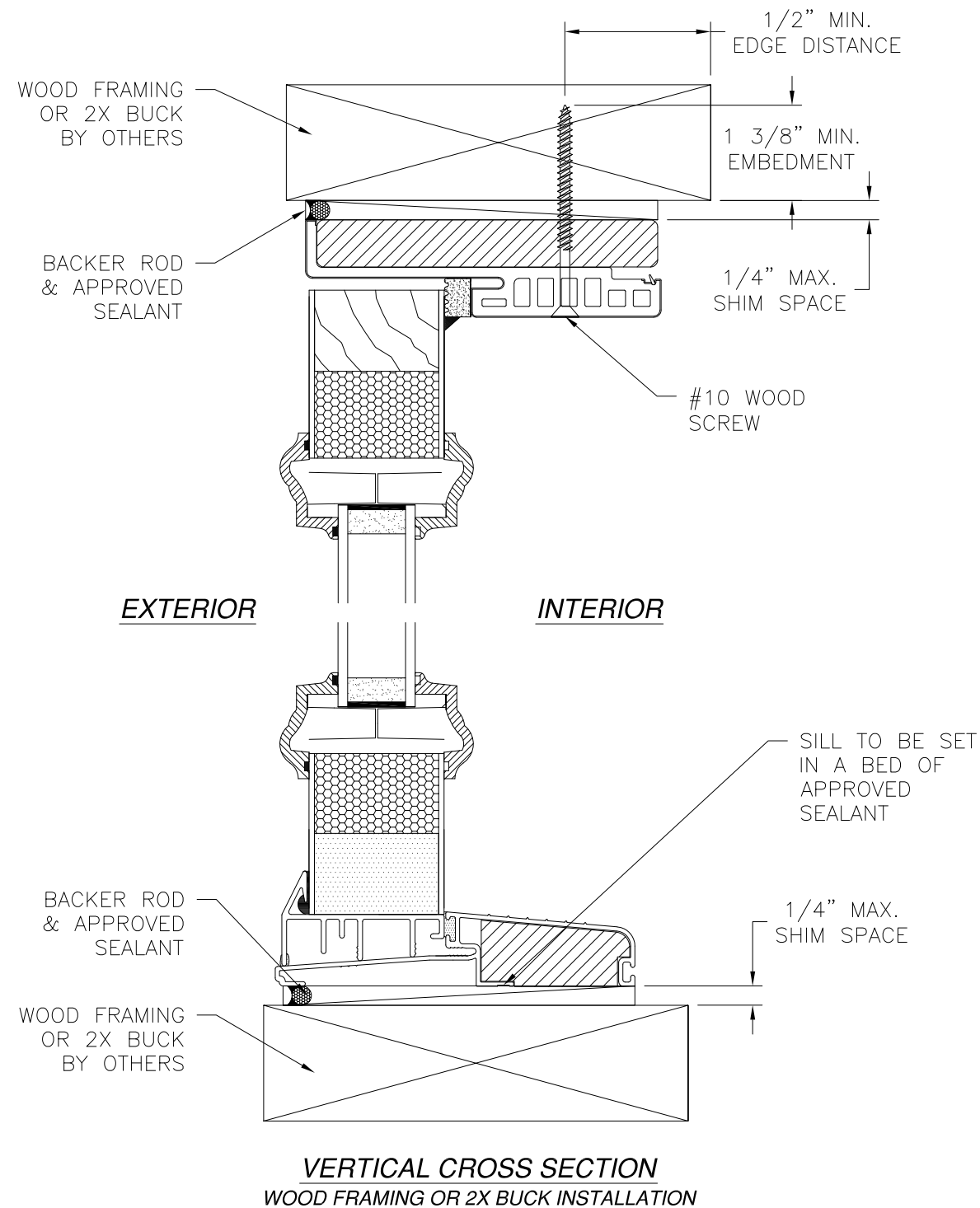
No. 62514

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514



NOTES:
 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.

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

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
 LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
 OS SIDELITE W/FUSION FRAME INSTALLATION DETAILS

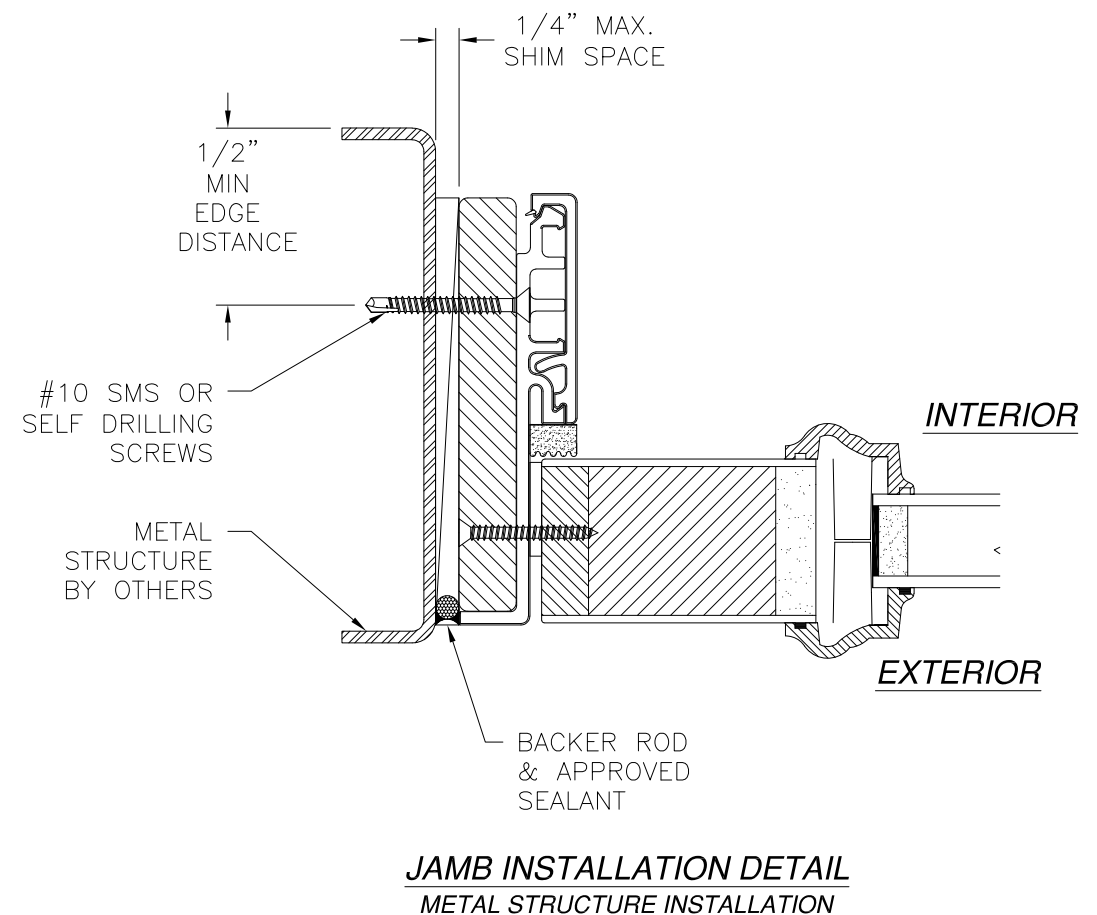
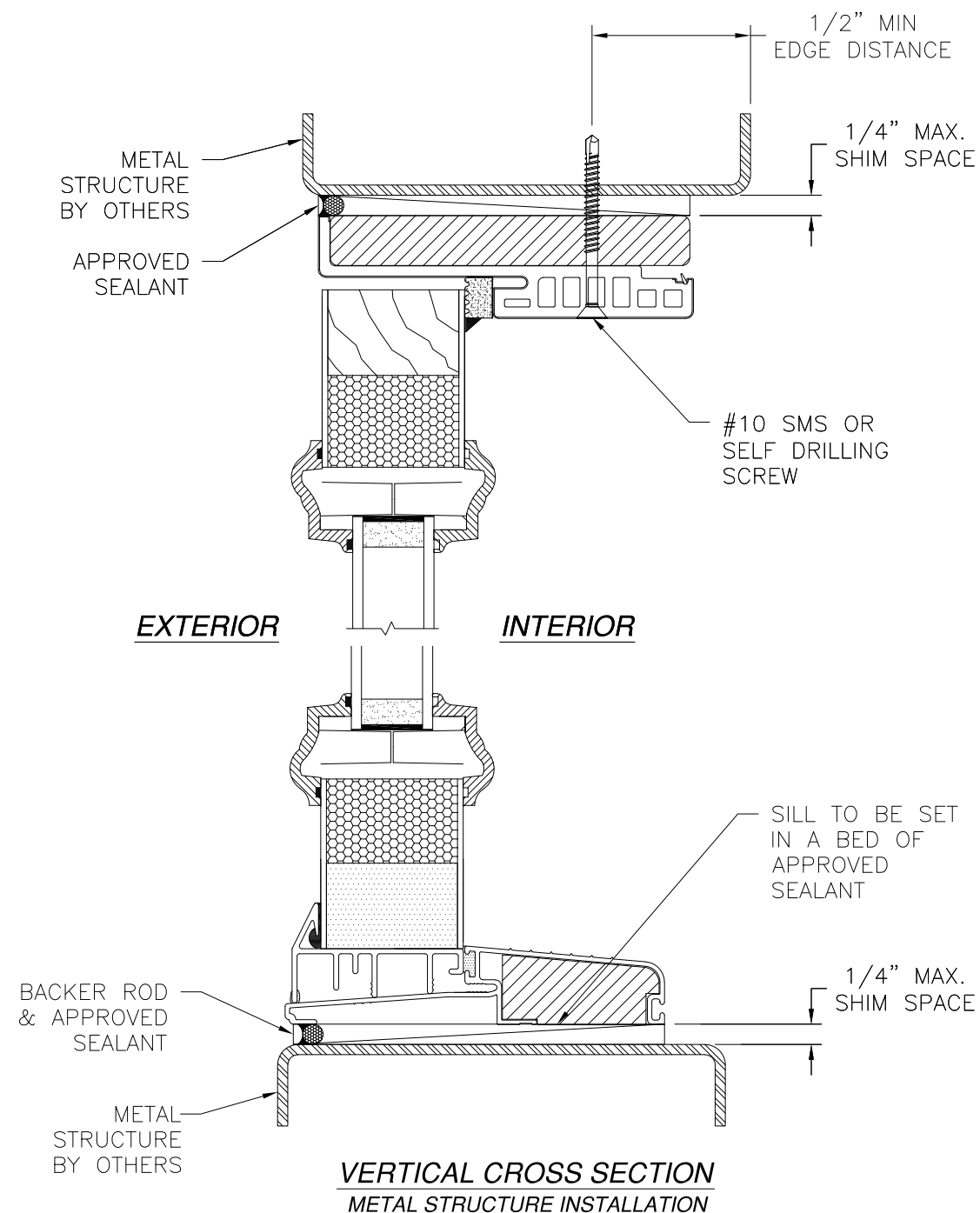
DRAWN: V.L.
 DWG NO. 08-01363
 REV F

SCALE NTS
 DATE 10/13/11
 SHEET 26 OF 32

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

SIGNED: 11/27/2023

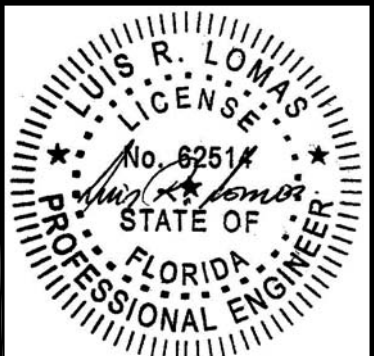
Luis R. Lomas P.E.
FL No.: 62514



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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS SIDELITE W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 27 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

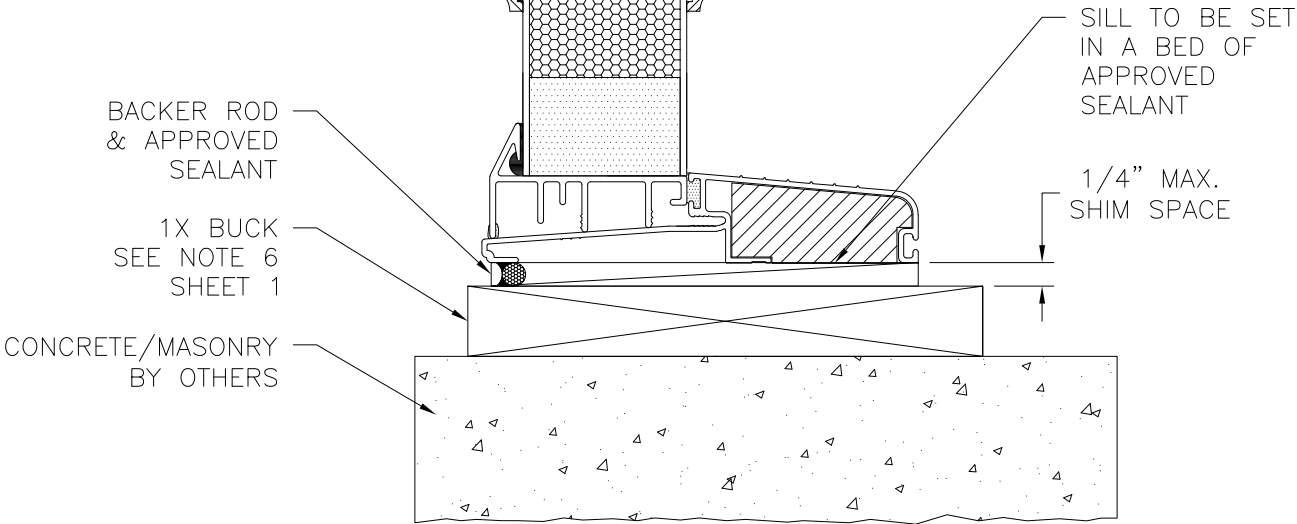
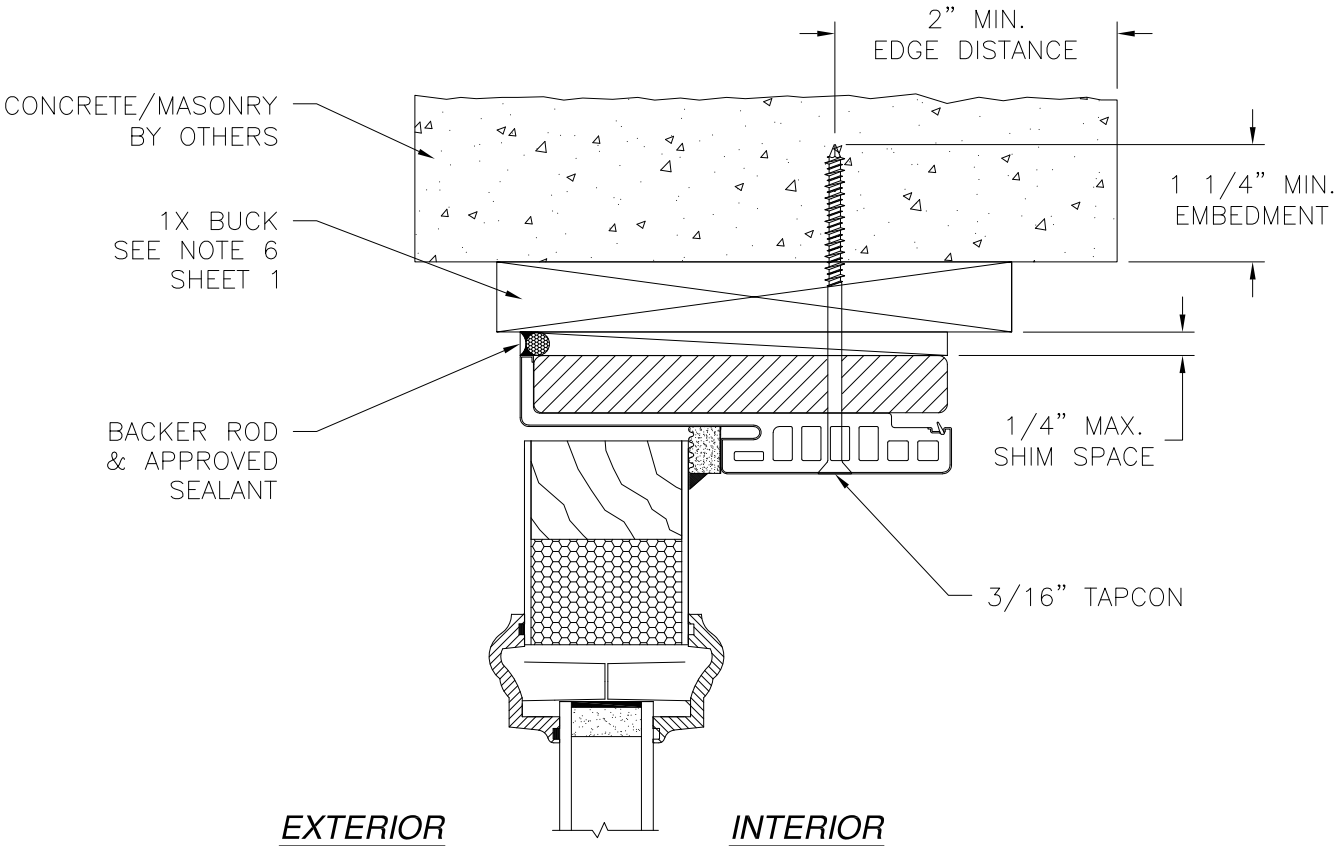
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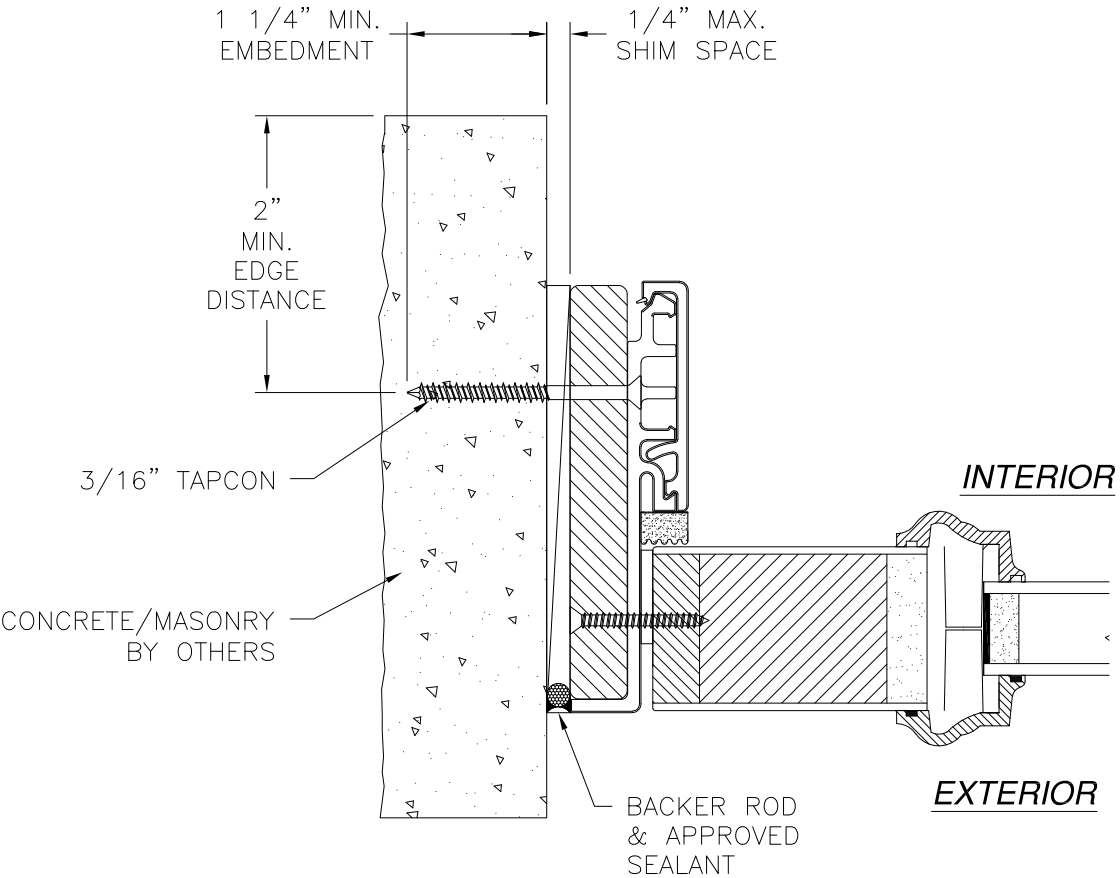
Luis R. Lomas P.E.
 FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

- NOTES:**
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SIGNED: 11/27/2023

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

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
OS SIDELITE W/FUSION FRAME INSTALLATION DETAILS

DRAWN:
V.L.

DWG NO.
08-01363

REV
F

SCALE
NTS

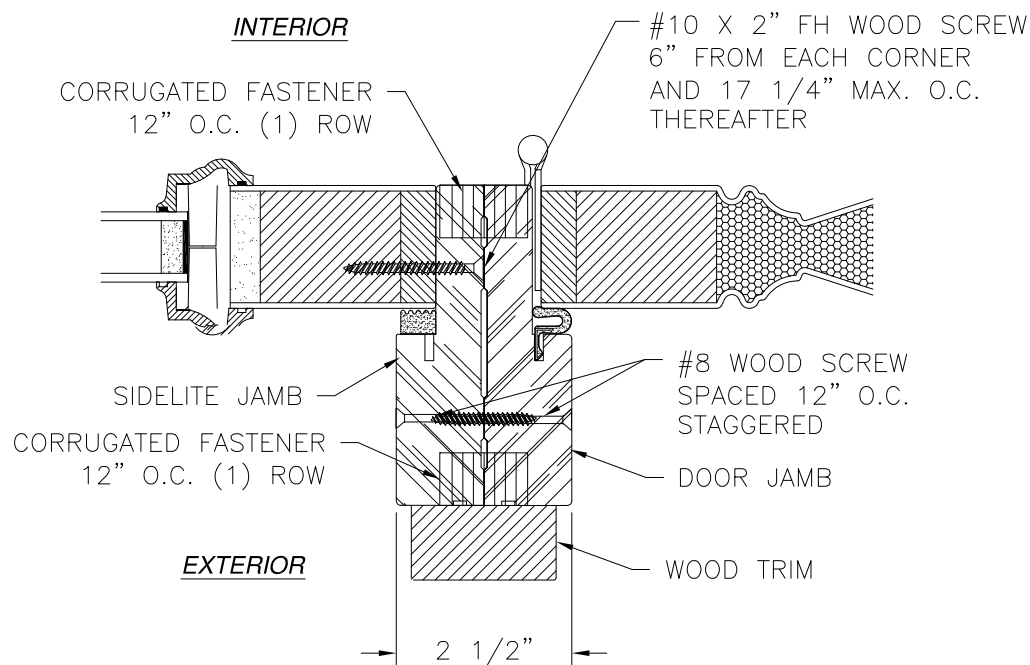
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SHEET
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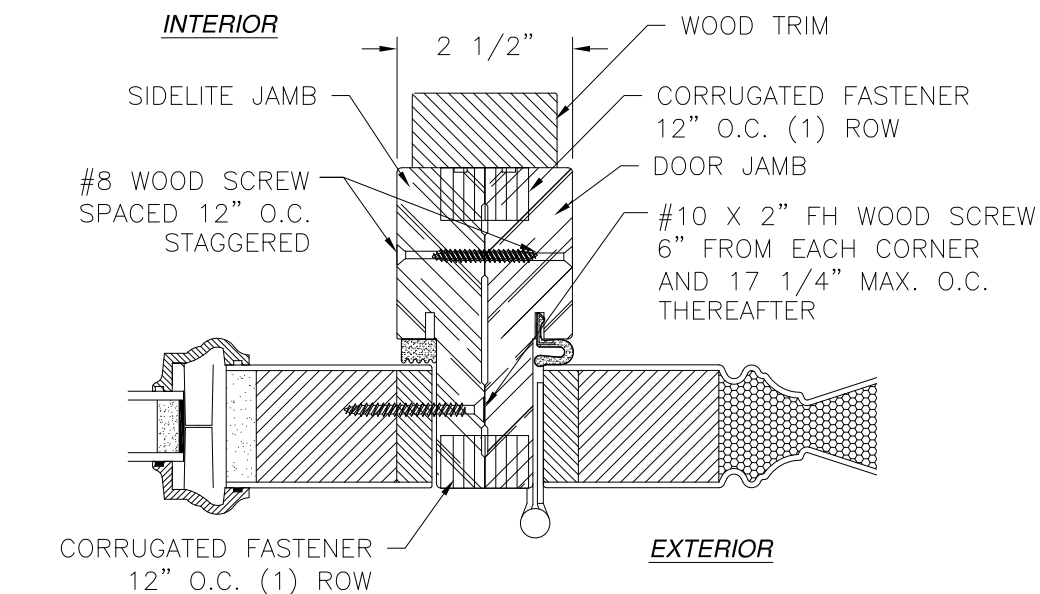
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



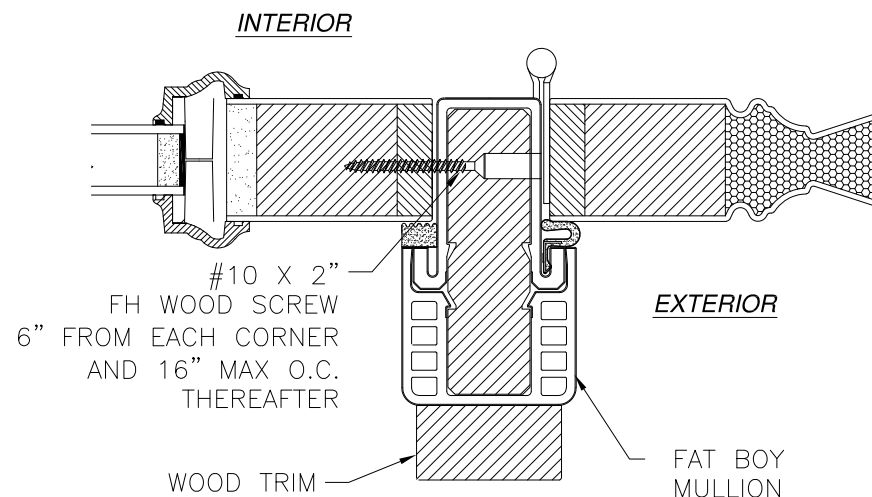
Luis R. Lomas P.E.
FL No.: 62514



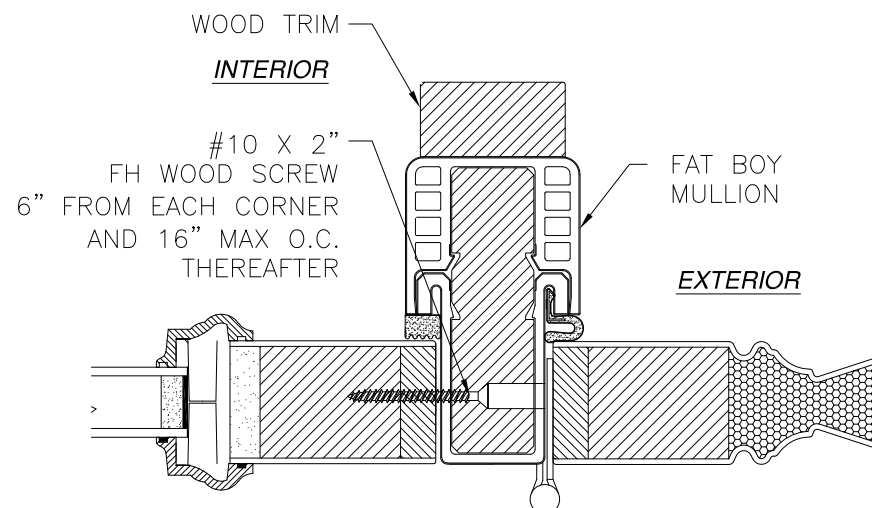
INSWING MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



OUTSWING MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR

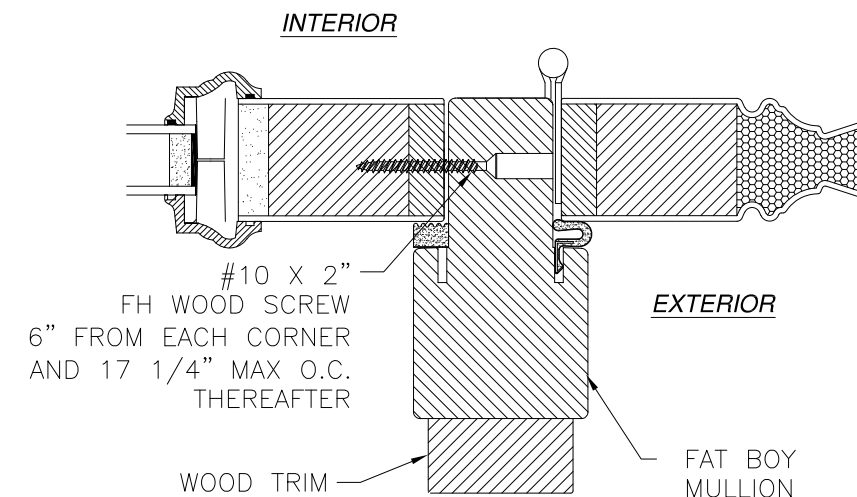


INSWING MULLION DETAIL
WITH HYBRID FAT BOY MULLION

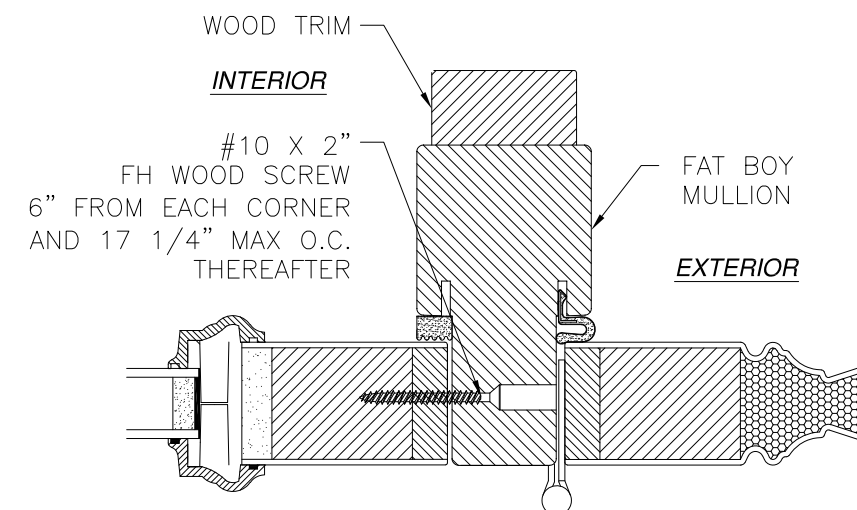


OUTSWING MULLION DETAIL
WITH HYBRID FAT BOY MULLION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



INSWING MULLION DETAIL
WITH FAT BOY MULLION

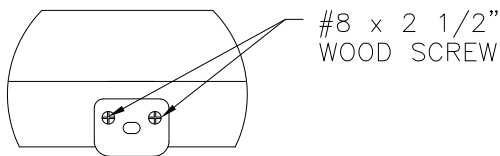


OUTSWING MULLION DETAIL
WITH FAT BOY MULLION

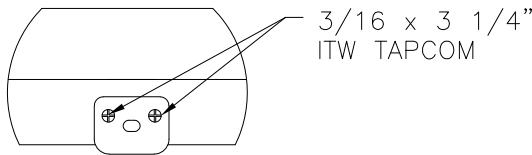
SIGNED: 11/27/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES MULLION INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 29 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

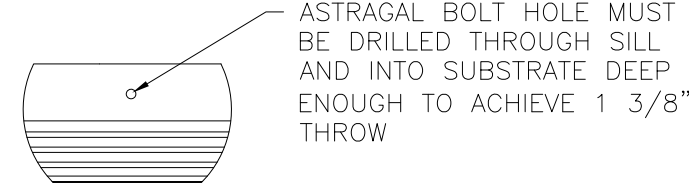
Luis R. Lomas P.E.
FL No.: 62514



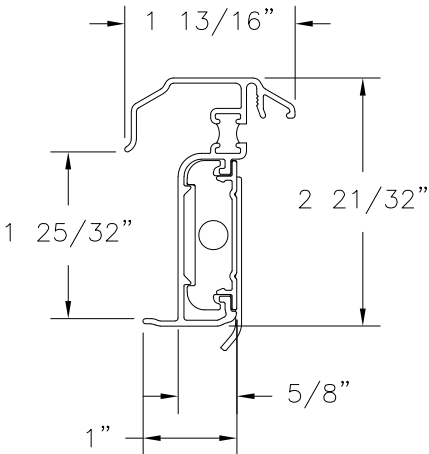
ASTRAGAL HEAD STRIKE DETAIL
2X BUCK/WOOD FRAMING



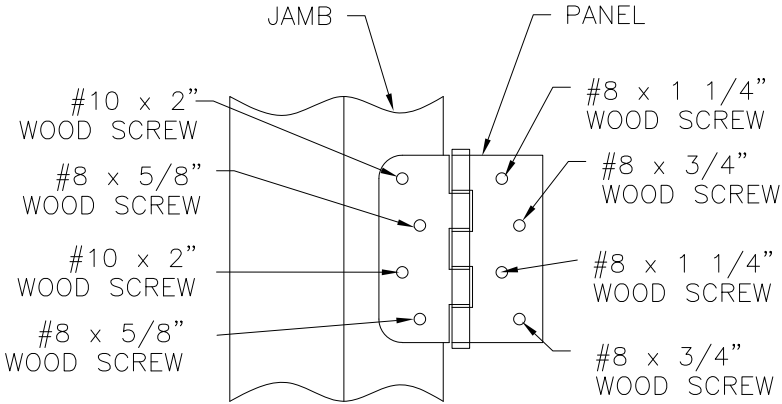
ASTRAGAL HEAD STRIKE DETAIL
MASONRY/CONCRETE



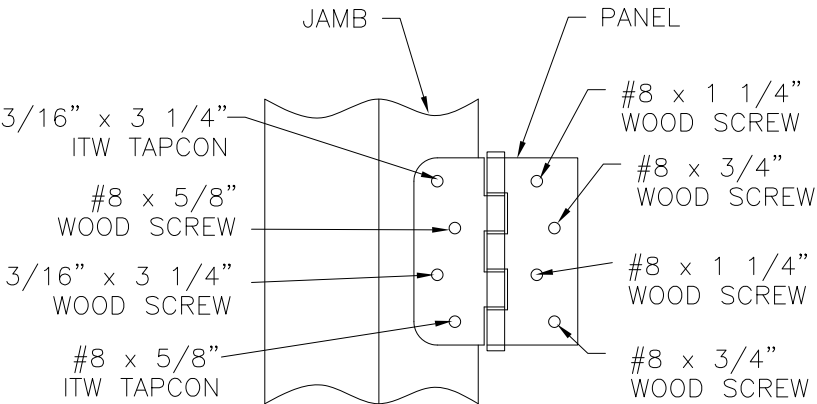
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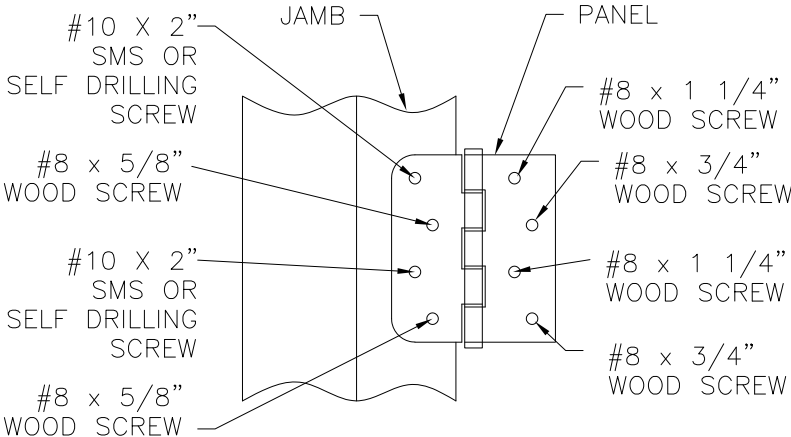
INSWING/OUTSWING
HURRICANE ASTRAGAL DETAIL



HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING



HINGE INSTALLATION DETAIL
MASONRY/CONCRETE



HINGE INSTALLATION DETAIL
METAL STRUCTURE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.

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

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
ASTRAGAL AND HINGES INSTALLATION DETAILS

DRAWN:
V.L.

DWG NO.
08-01363

REV
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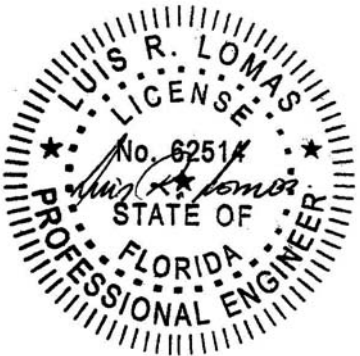
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DATE
10/13/11

SHEET
30 OF 32

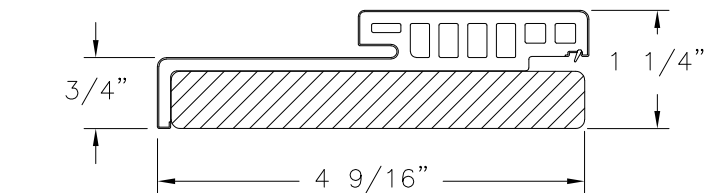
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 11/27/2023

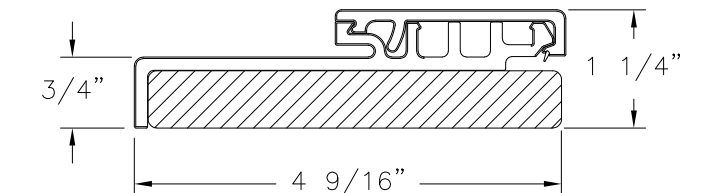


Luis R. Lomas P.E.
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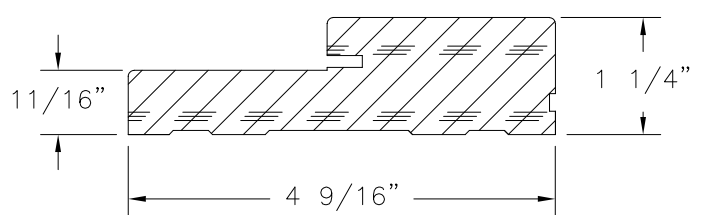
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REV	DESCRIPTION	DATE	APPROVED
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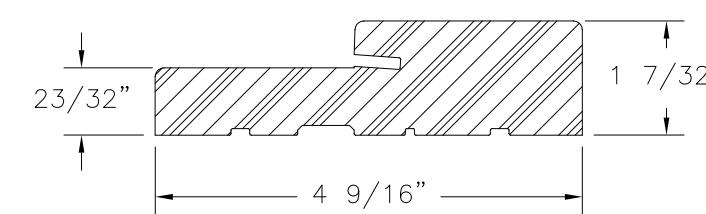
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WOOD/COMPOSITE



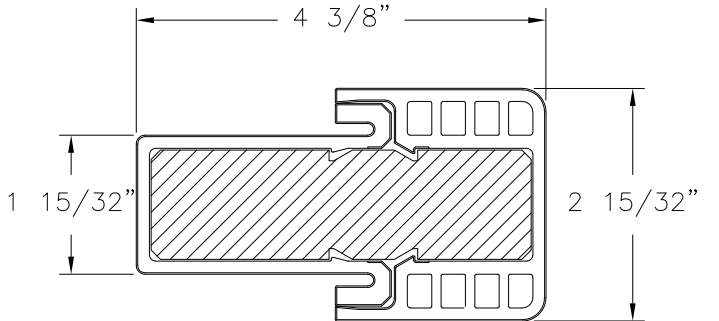
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WOOD/COMPOSITE



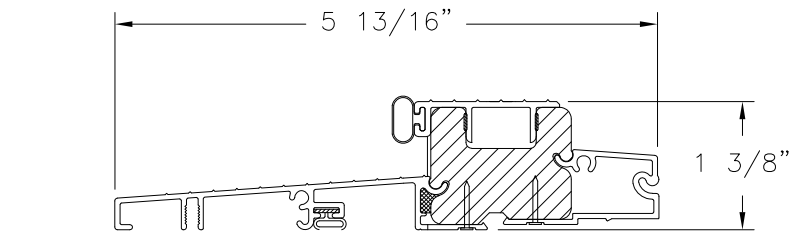
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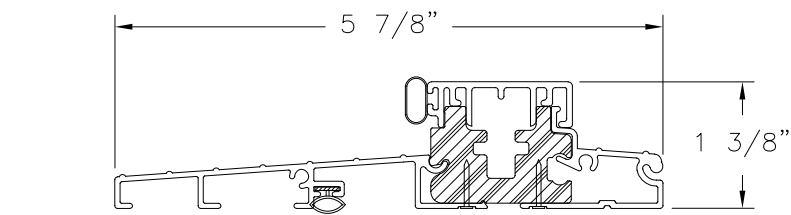
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COMPOSITE



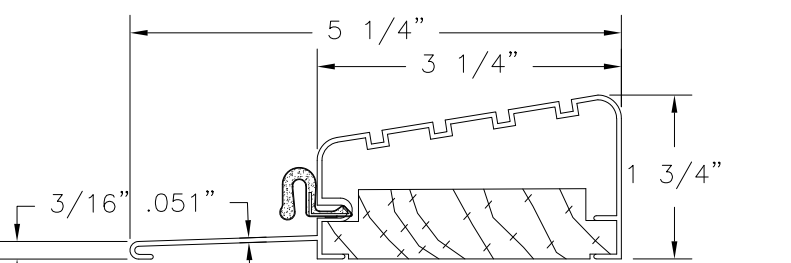
HYBRID FAT BOY MULLION
COMPOSITE



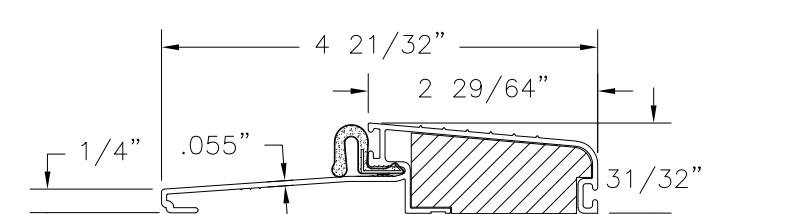
OUTSWING SILL



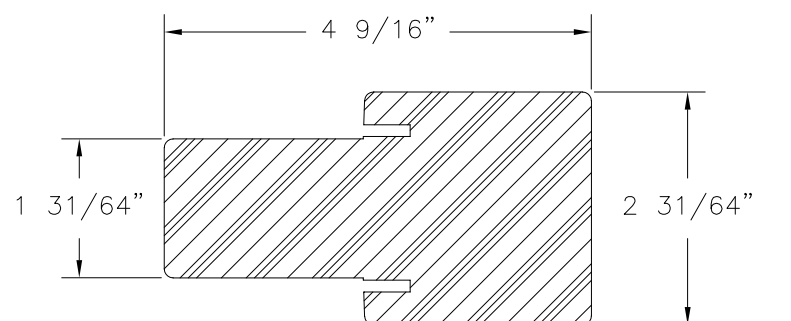
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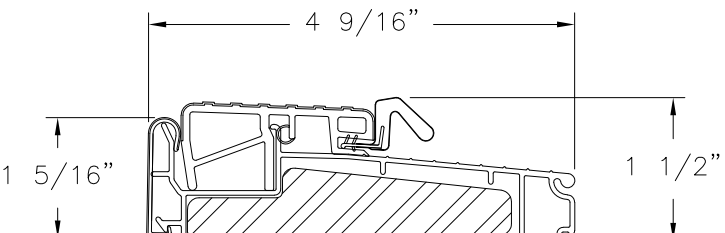
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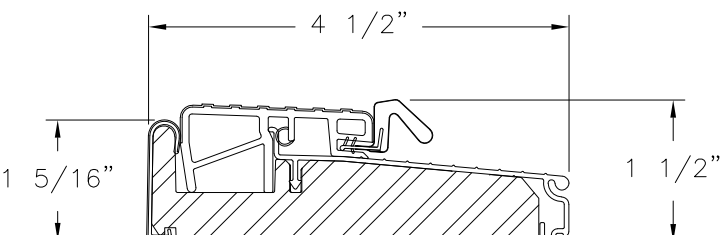
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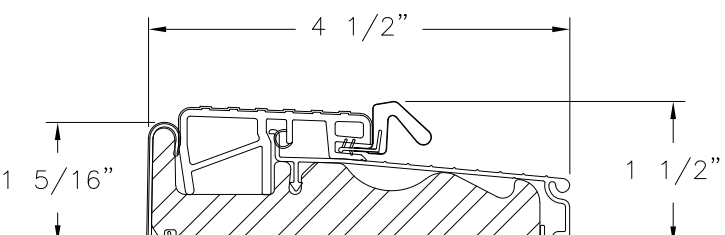
FAT BOY MULLION
COMPOSITE



OUTSWING SILL ZOBL4565



OUTSWING SILL ZOB4565F



OUTSWING SILL ZOBLH4565

SIGNED: 11/27/2023

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
COMPONENTS

DRAWN:
V.L.

DWG NO.
08-01363

REV
F

SCALE NTS

DATE 10/13/11

SHEET 31 OF 32

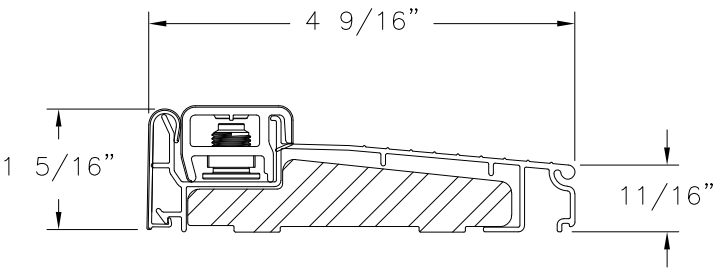
L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

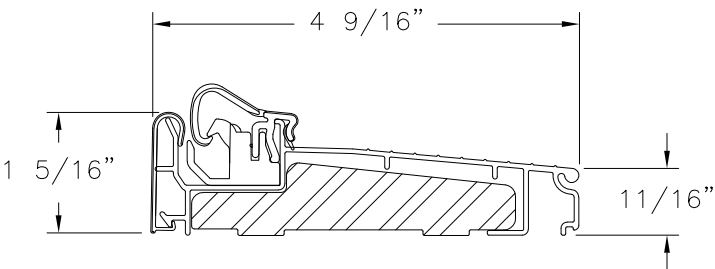
434-688-0609 rllomas@lrlomaspe.com

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

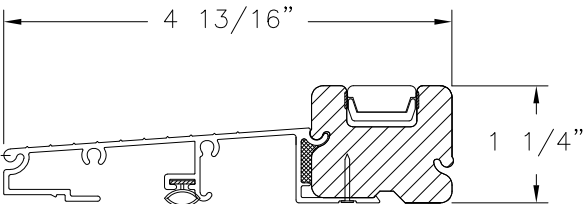
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REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



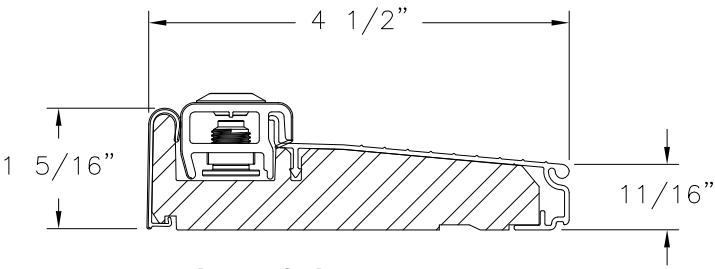
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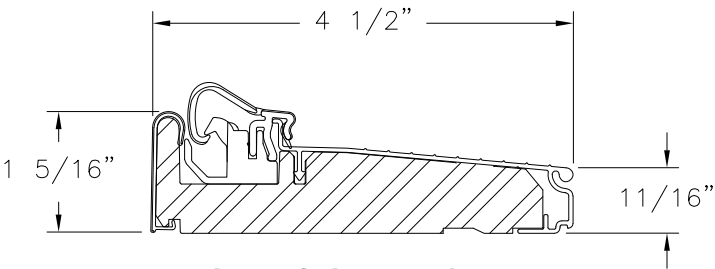
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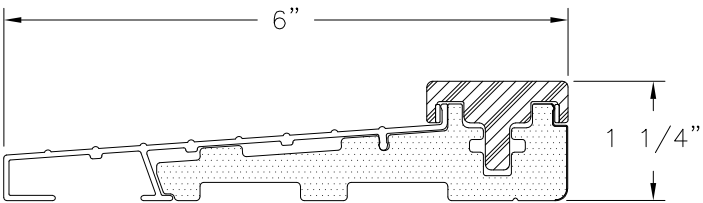
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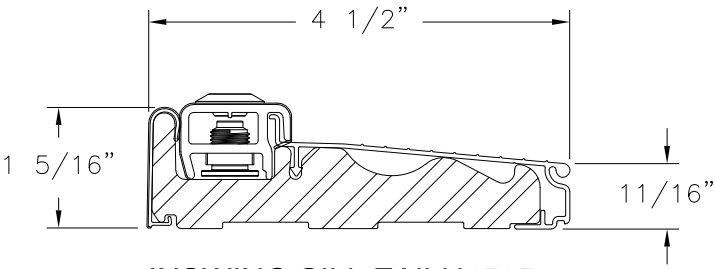
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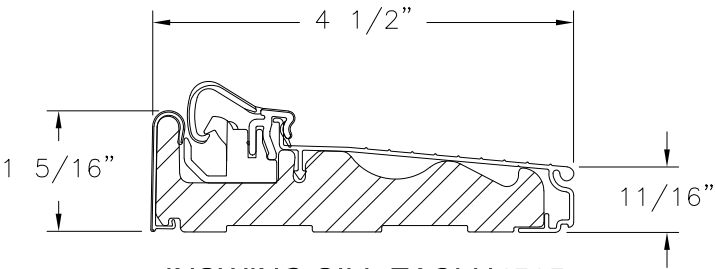
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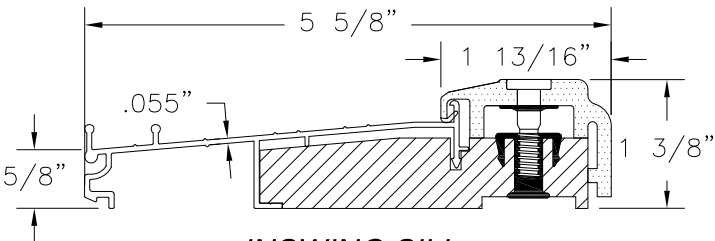
STANDARD INSWING SILL



INSWING SILL ZAILH4565



INSWING SILL ZA4565H



INSWING SILL

SIGNED: 11/27/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
8'0 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES COMPONENTS		
DRAWN: V.L.	DWG NO. 08-01363	REV F
SCALE NTS	DATE 10/13/11	SHEET 32 OF 32
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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