

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 FRAMING 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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2	ELEVATIONS
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PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

6’8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
NOTES

DRAWN:
V.L.

DWG NO.
08-01362

REV
F

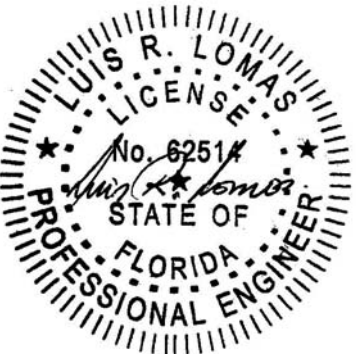
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DATE 10/03/11

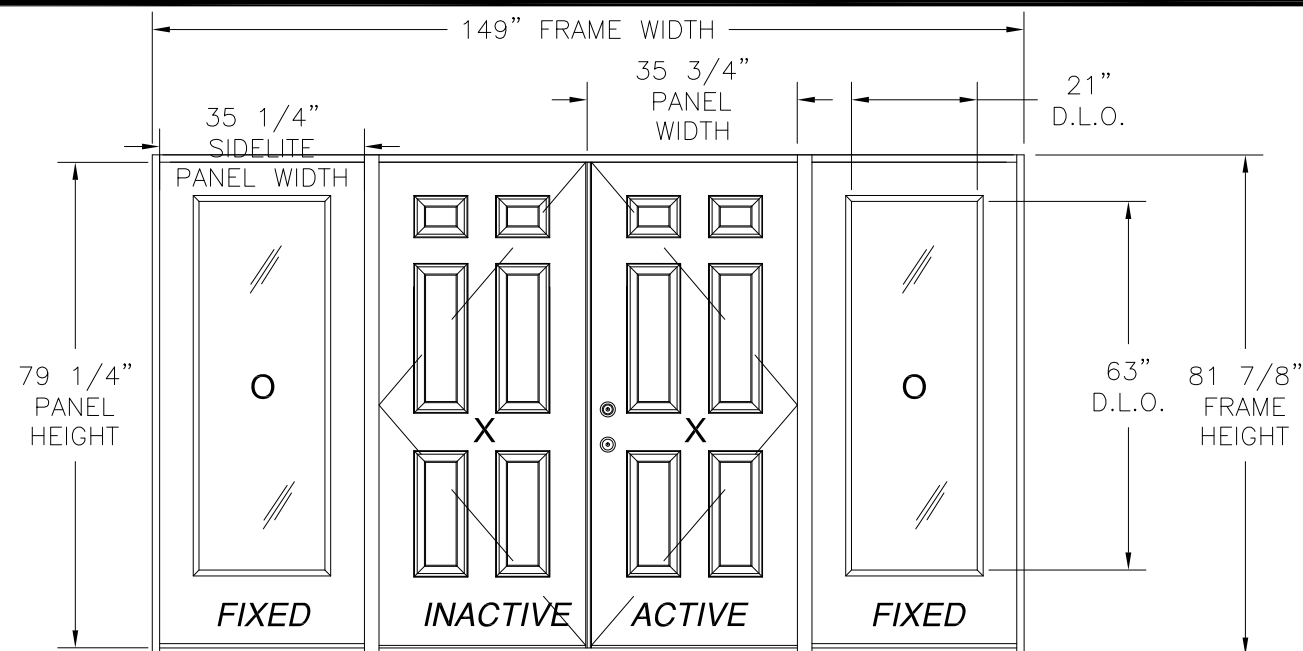
SHEET 1 OF 31

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

SIGNED: 11/02/2023



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



6'8 HERITAGE FIBERGLASS OPAQUE INSWING/OUTSWING DOUBLE DOOR
W/SIDELITES
EXTERIOR VIEW

Approved Configurations and Ratings

Configuration			Max Size	Rating where water infiltration is not required (psf)			Rating where water infiltration is required (psf)						Impact Rating
				Schlage or Emtek hardware	Trilennium hardware	Panolock Multi-point	Standard Threshold			High Dam Threshold			
							Schlage or Emtek hardware	Trilennium hardware	Panolock Multi-point	Schlage or Emtek hardware	Trilennium hardware	Panolock Multi-point	
Single	X	IS	3'0" x 6'8"	±64.2	±60	±50	+19/-64.2	+19/-60	+19/-50	-	-	-	Large Missile Impact Wind Zone 4 Level D
		OS		±64.2	±60	±50	±64.2	±60	±50	-	-	-	
Double	XX	IS	6'0" x 6'8"	±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 6'8"	±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 6'8"	±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 6'8"	±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

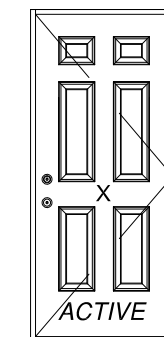
HARDWARE SCHEDULE

- 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

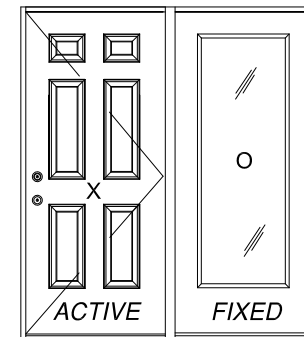
35 3/4" X 79 1/4" PANELS SHOWN. OTHER PANEL SIZES ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 19.67 FT²

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.

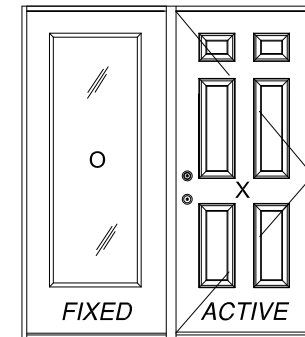
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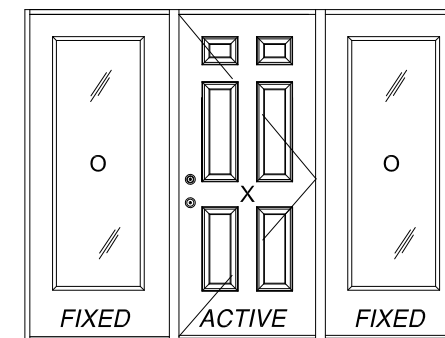
SINGLE
EXTERIOR VIEW



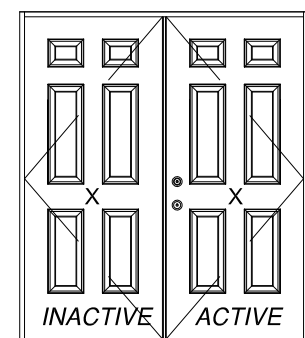
SINGLE W/SIDELITE
EXTERIOR VIEW



SINGLE W/SIDELITE
EXTERIOR VIEW



SINGLE W/SIDELITES
EXTERIOR VIEW



DOUBLE
EXTERIOR VIEW

PROVIA, LLC.

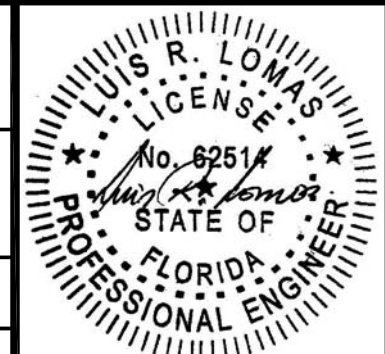
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
OXXO ELEVATION

DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 2 OF 31

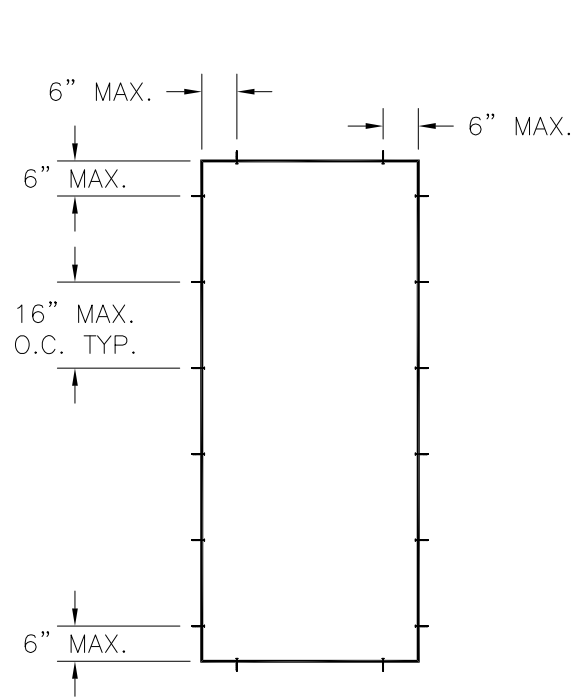
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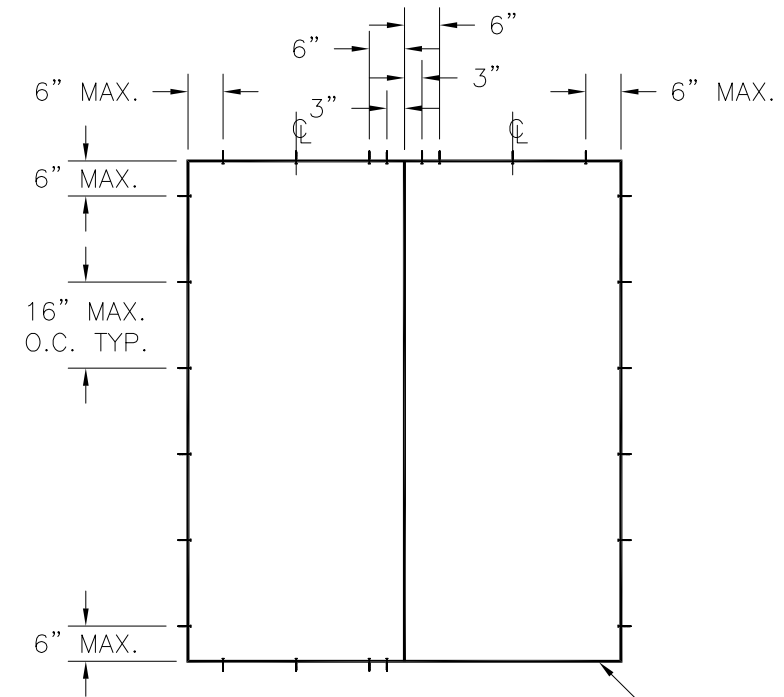


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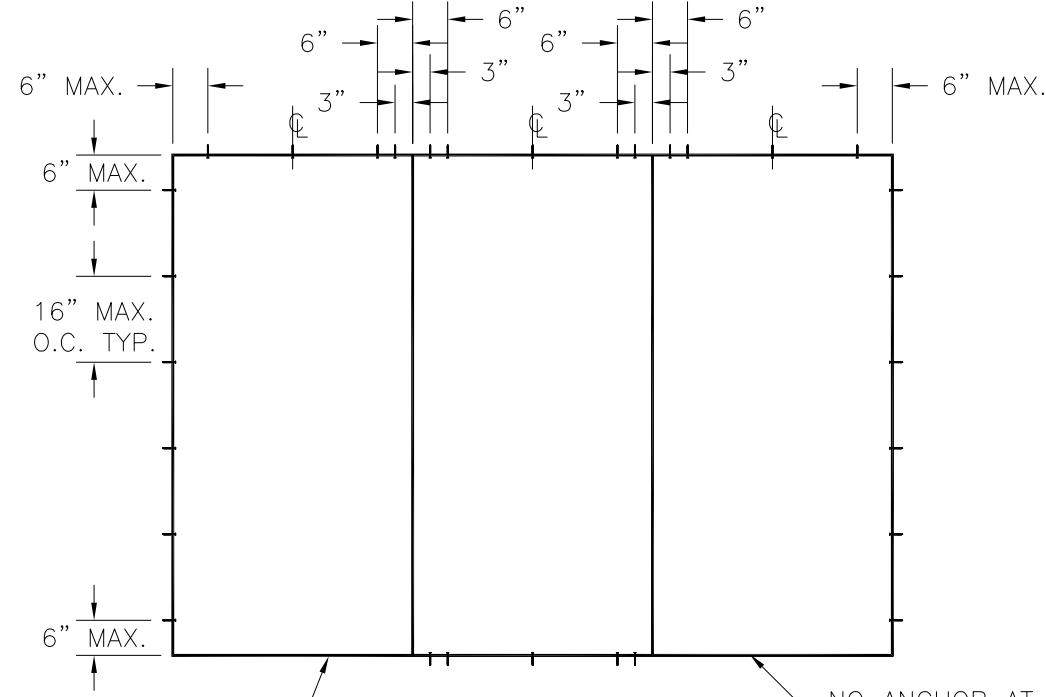


SINGLE



SINGLE W/SIDELITE

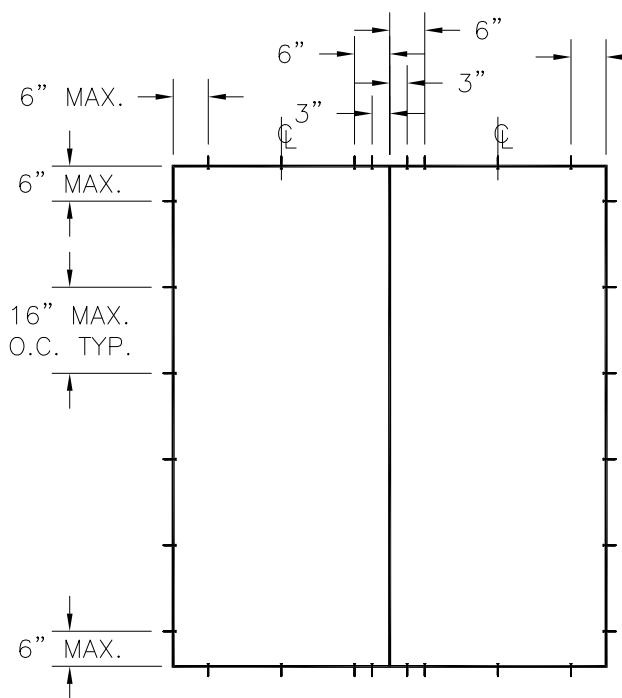
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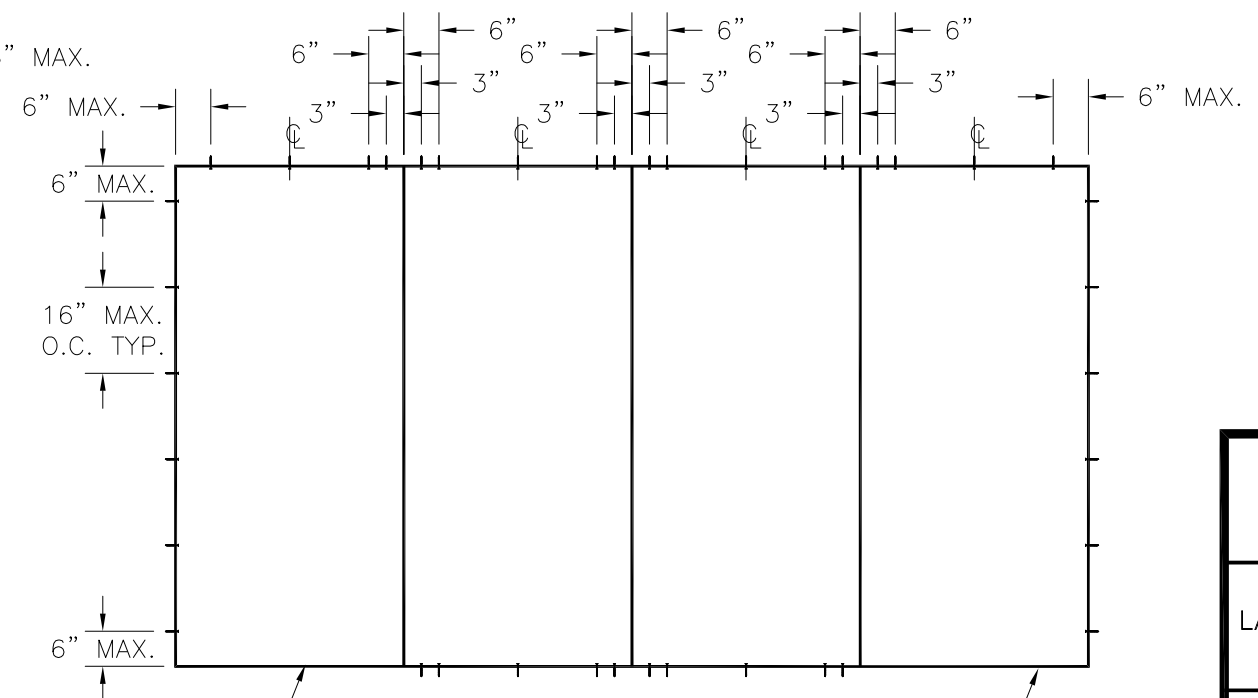
SINGLE W/SIDELITES

NO ANCHOR AT
SIDELITE(S) SILL

NO ANCHOR AT
SIDELITE(S) SILL



DOUBLE



DOUBLE W/SIDELITES

NO ANCHOR AT
SIDELITE(S) SILL

NO ANCHOR AT
SIDELITE(S) SILL

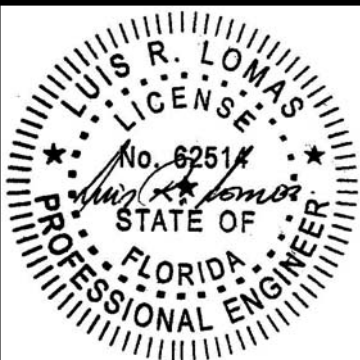
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
ANCHORING LAYOUT

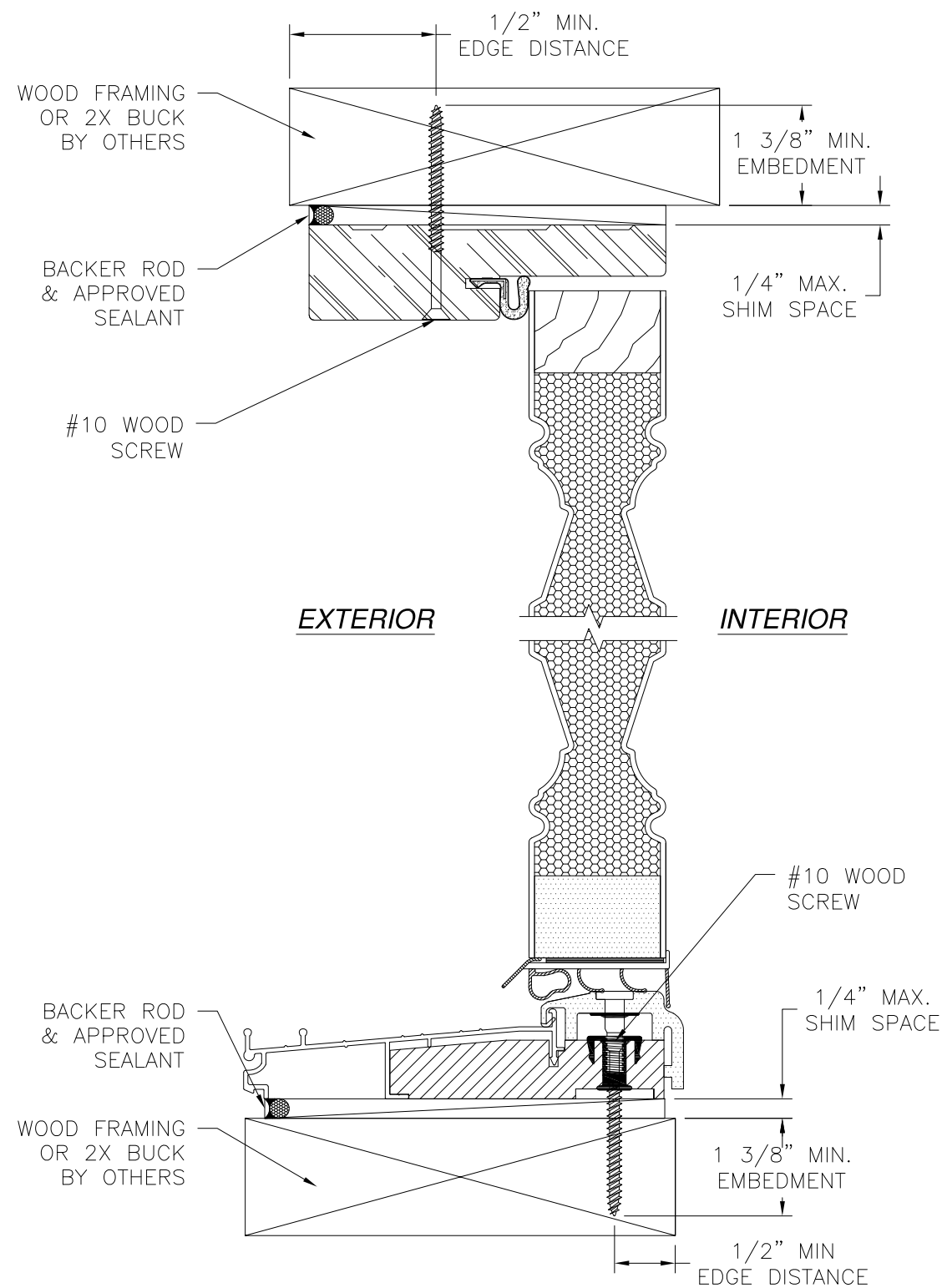
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 3 OF 31

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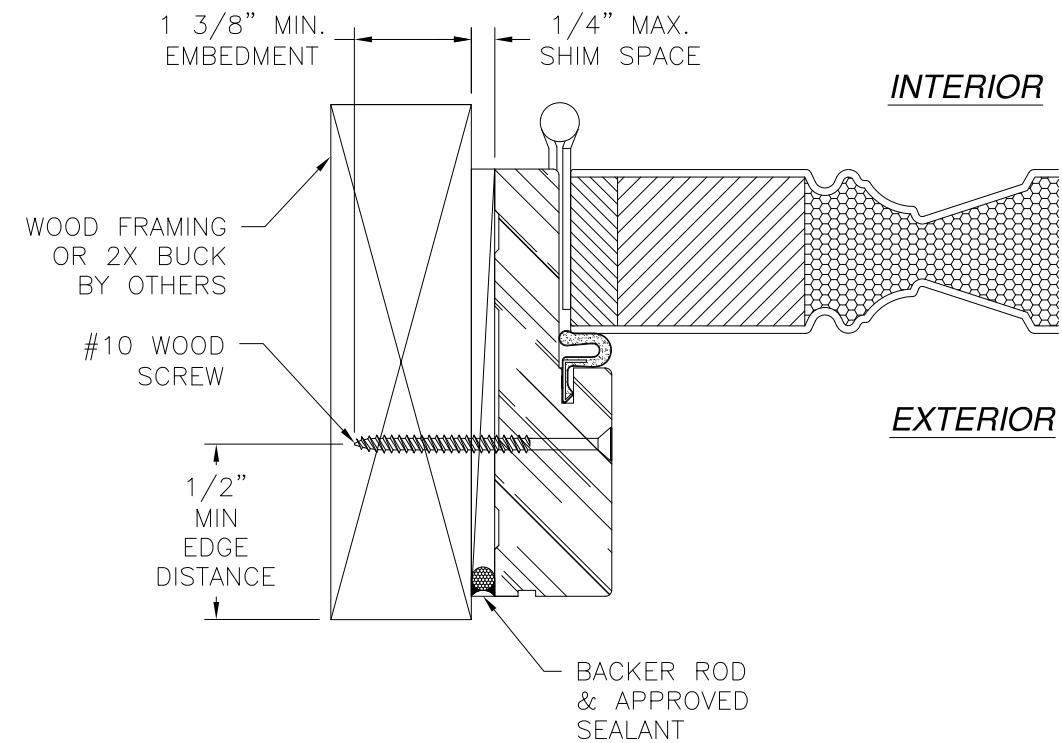
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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

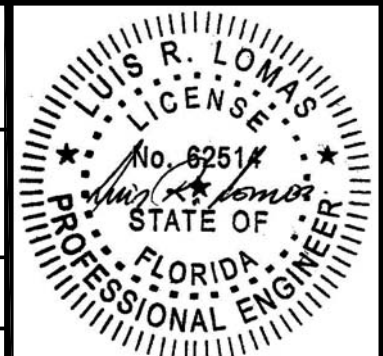
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

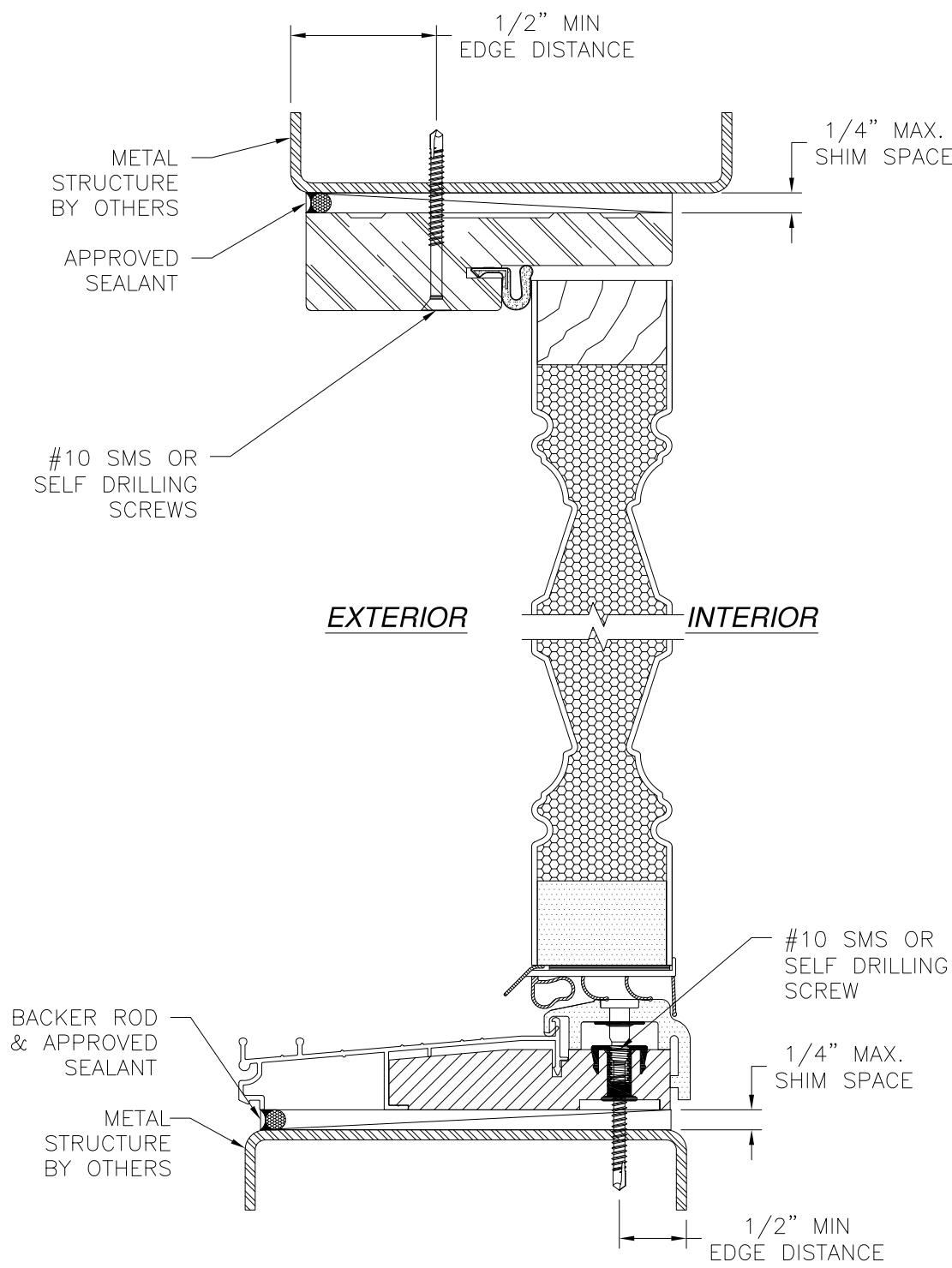
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PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES IS DOOR INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 4 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

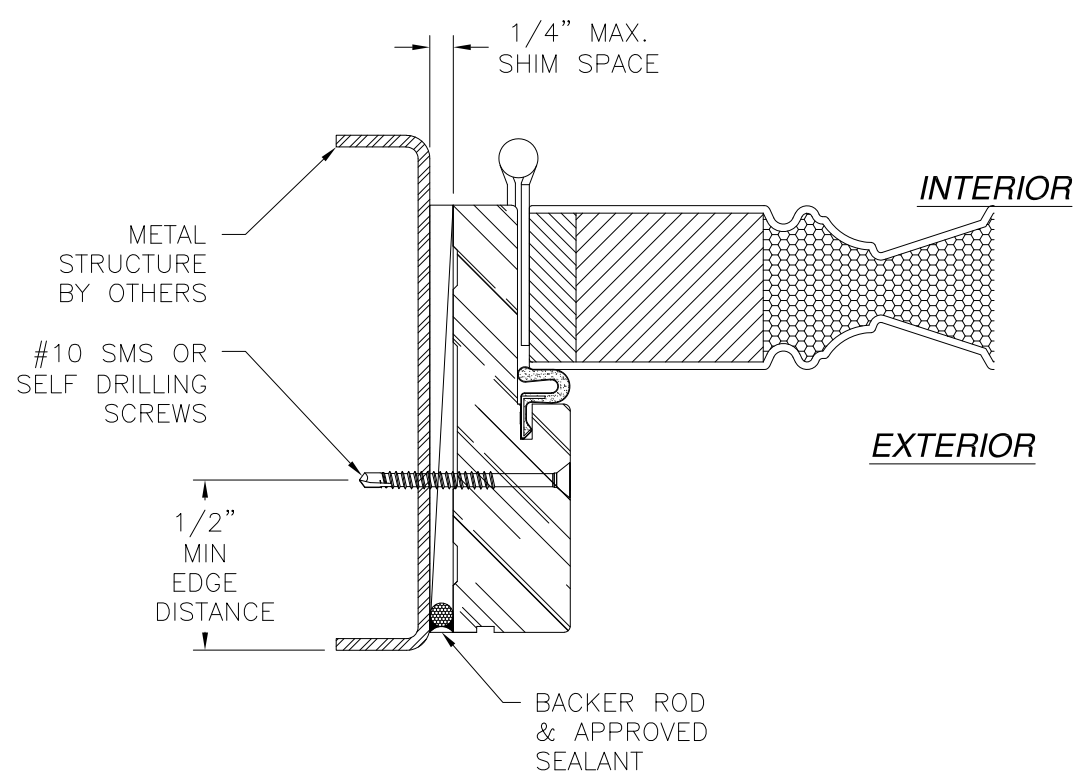


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



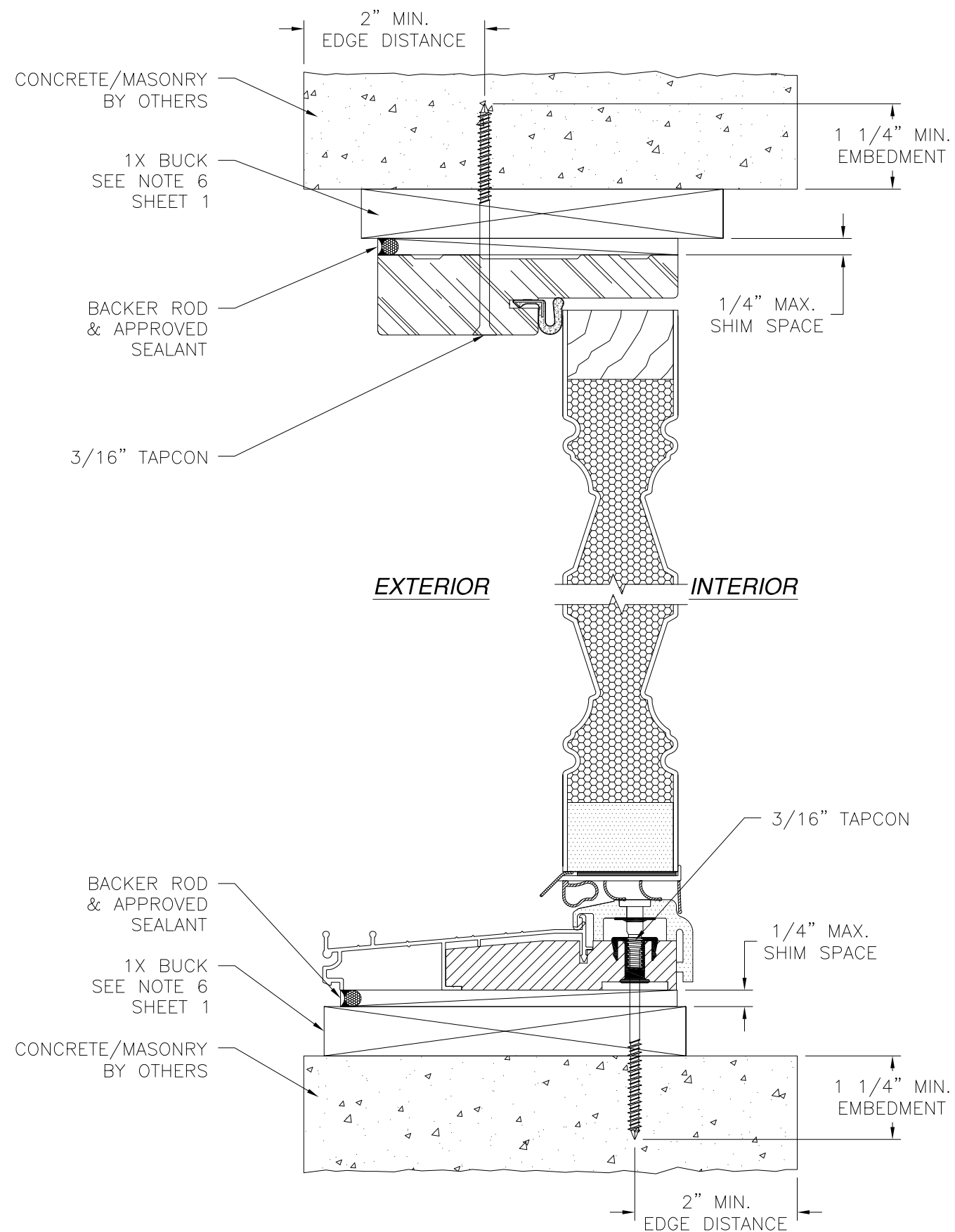
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METAL STRUCTURE INSTALLATION

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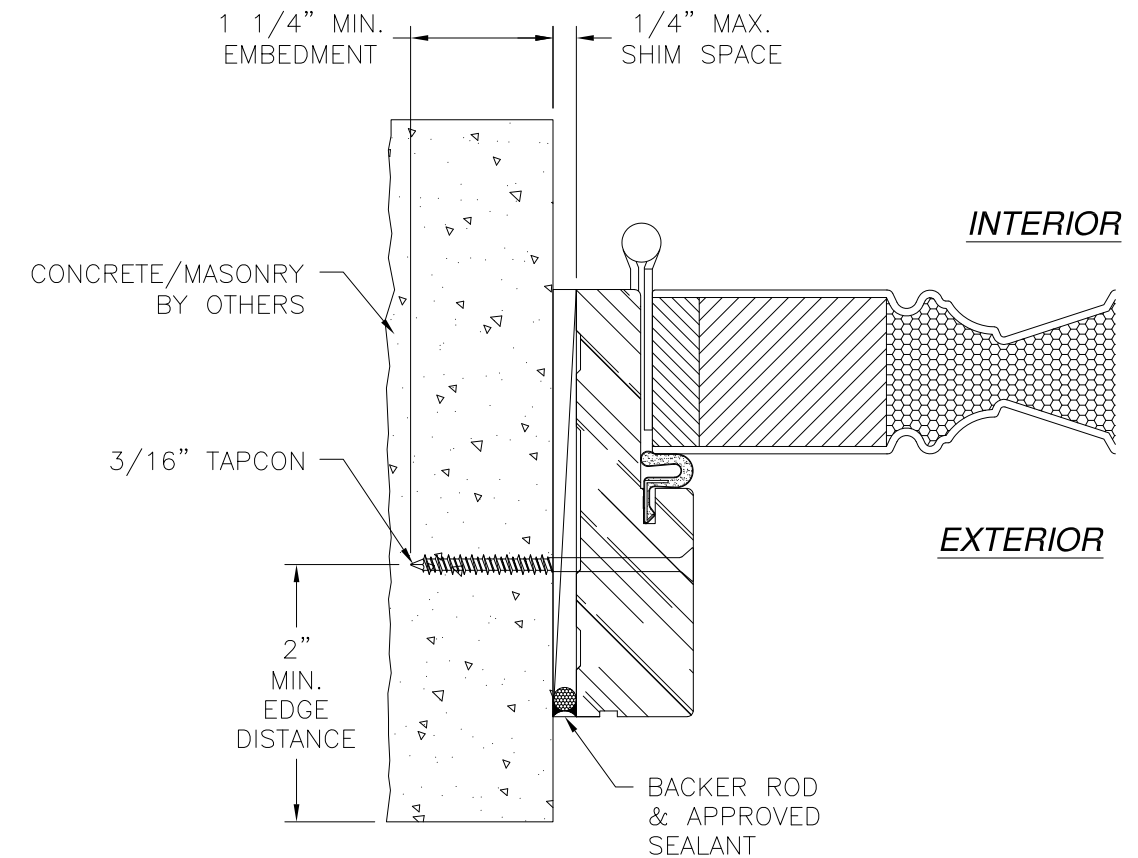
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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



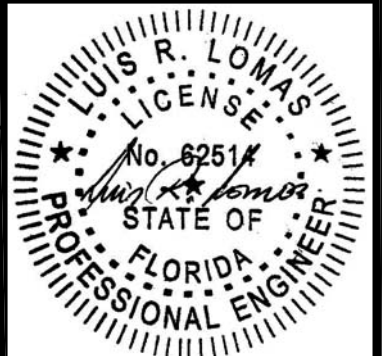
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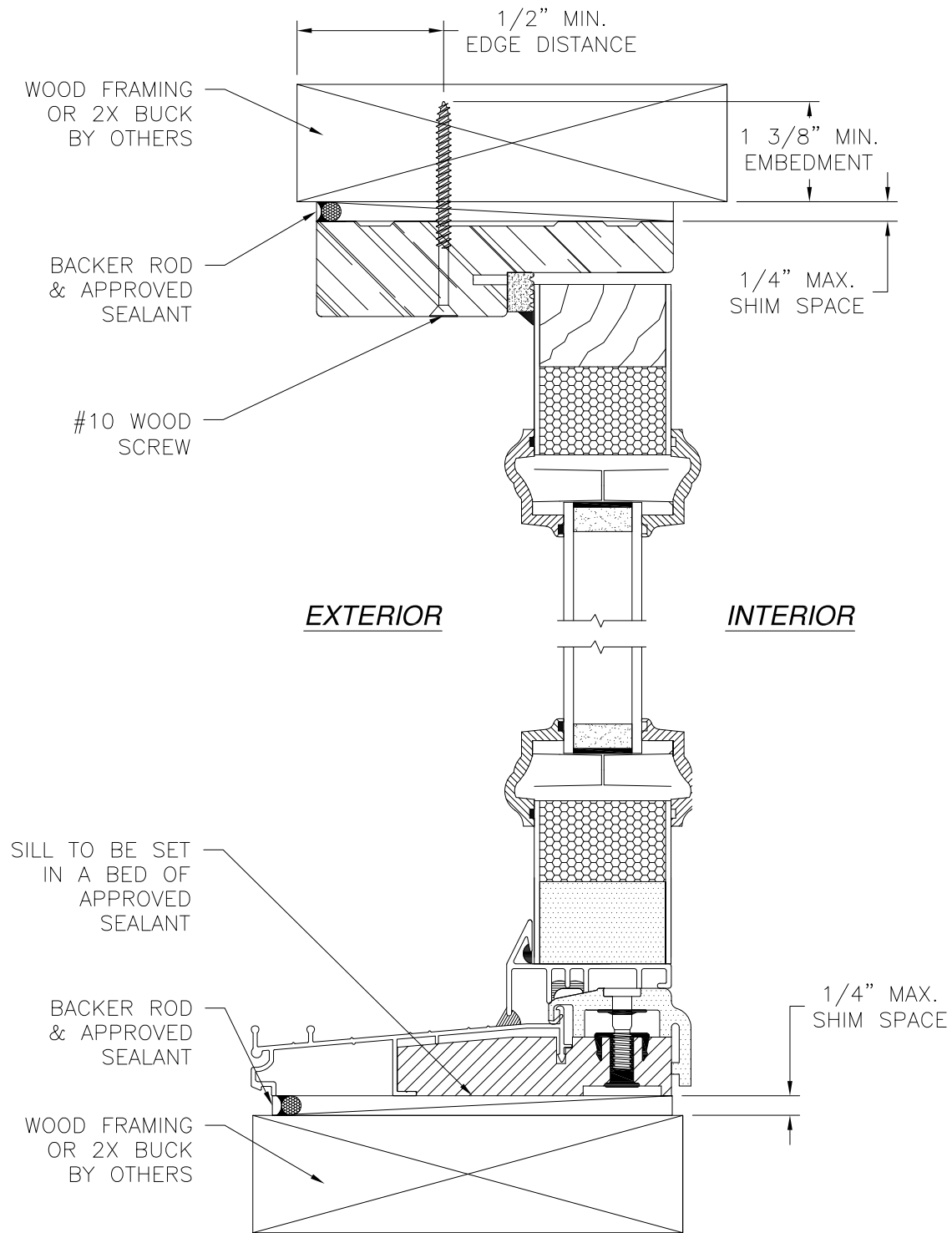
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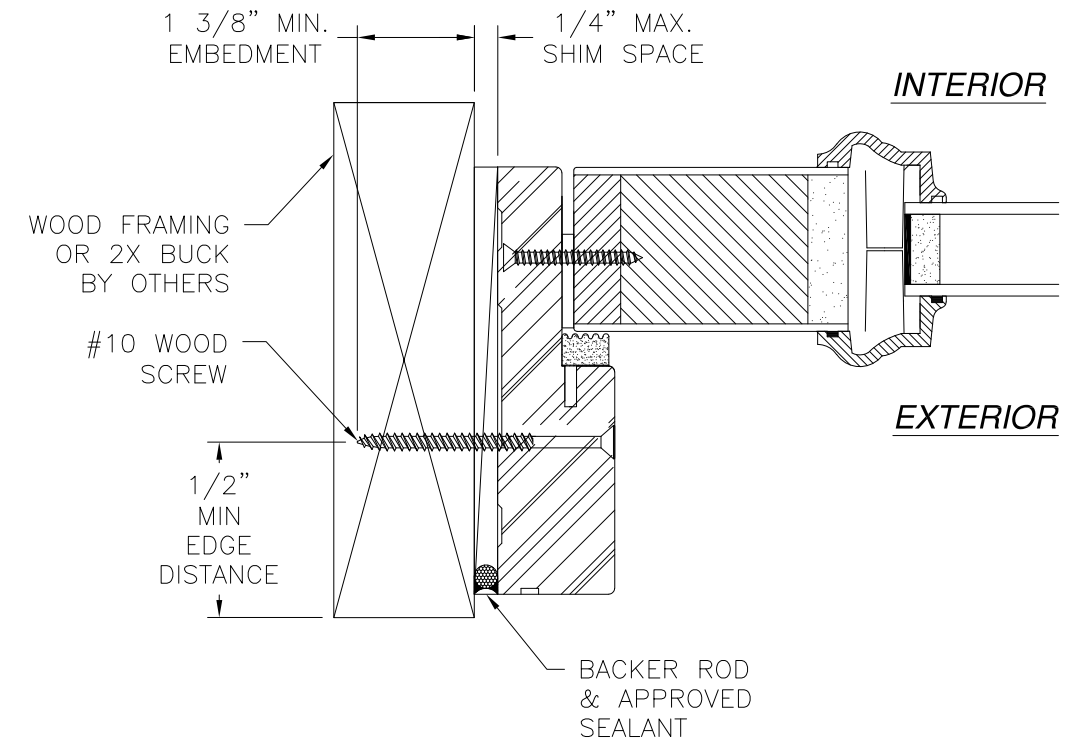
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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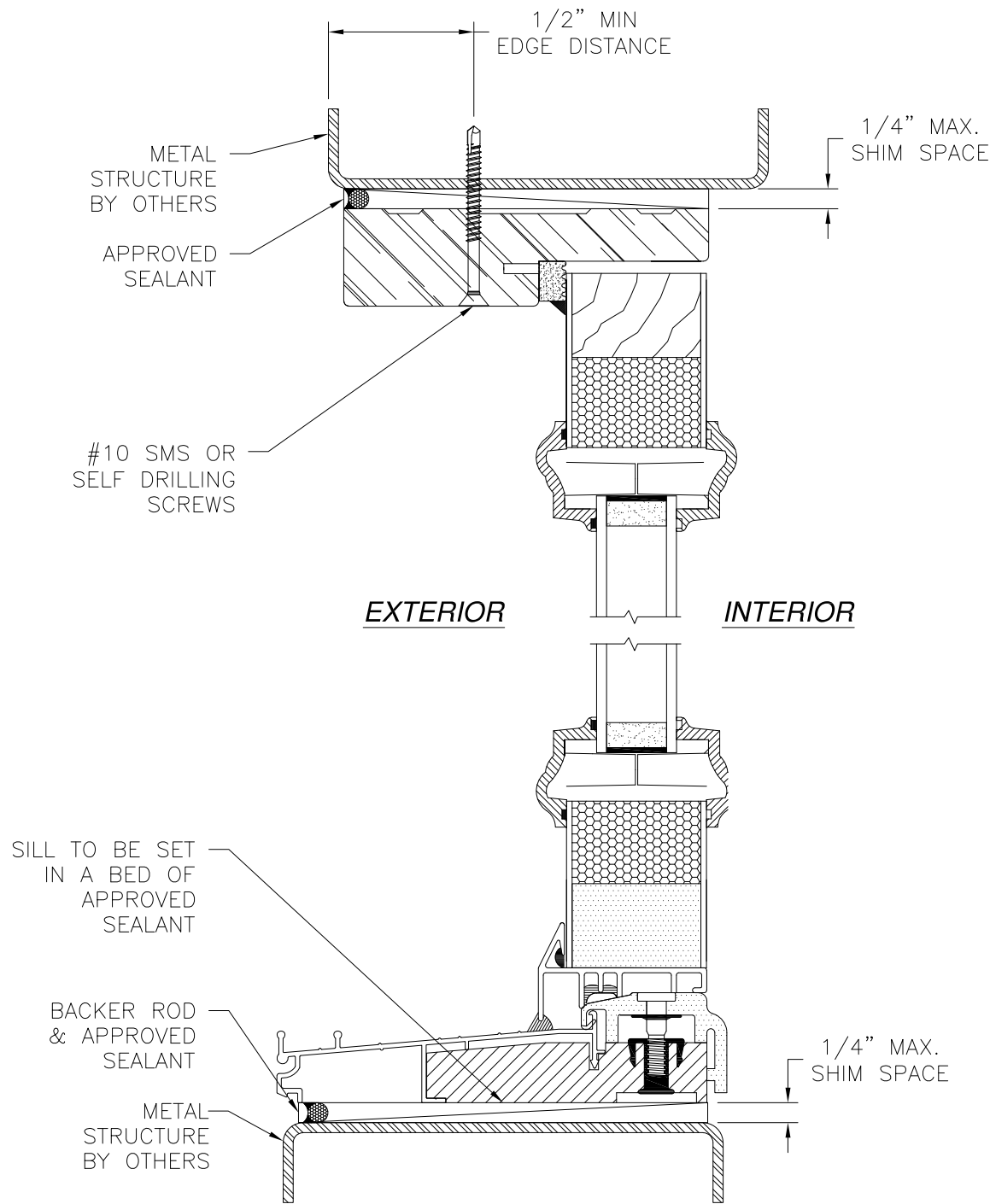
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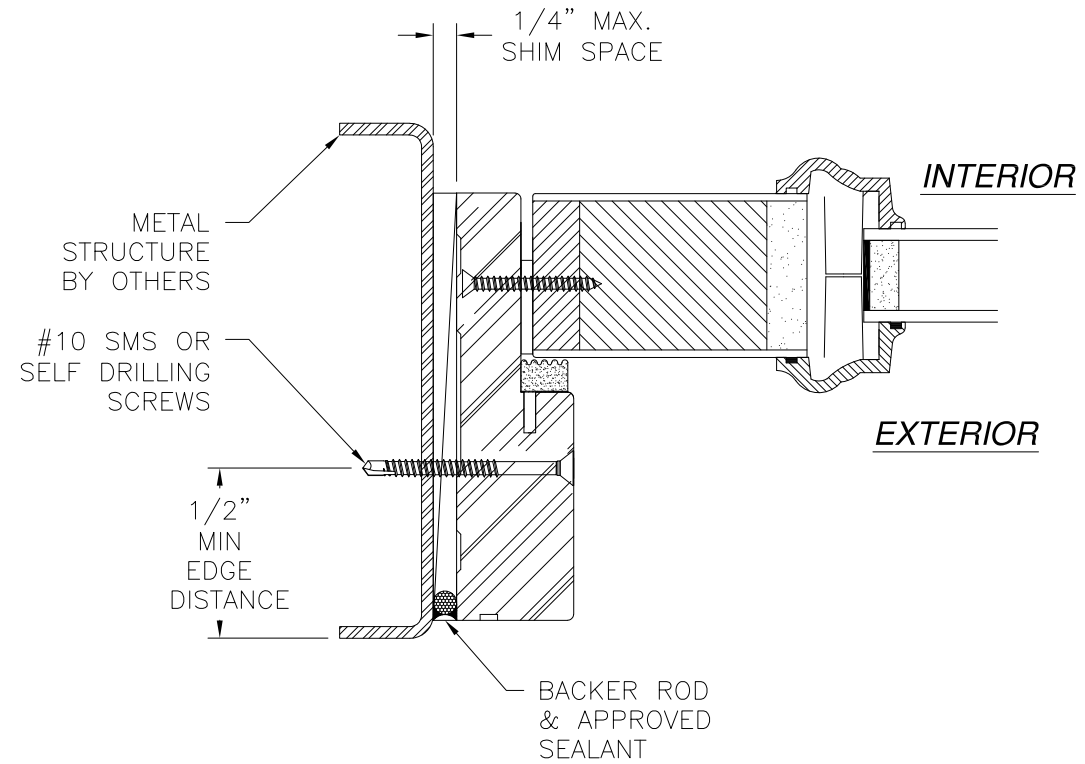
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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SCALE NTS	DATE 10/03/11	SHEET 7 OF 31	
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
METAL STRUCTURE INSTALLATION



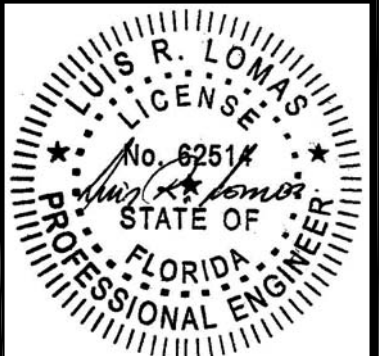
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METAL STRUCTURE INSTALLATION

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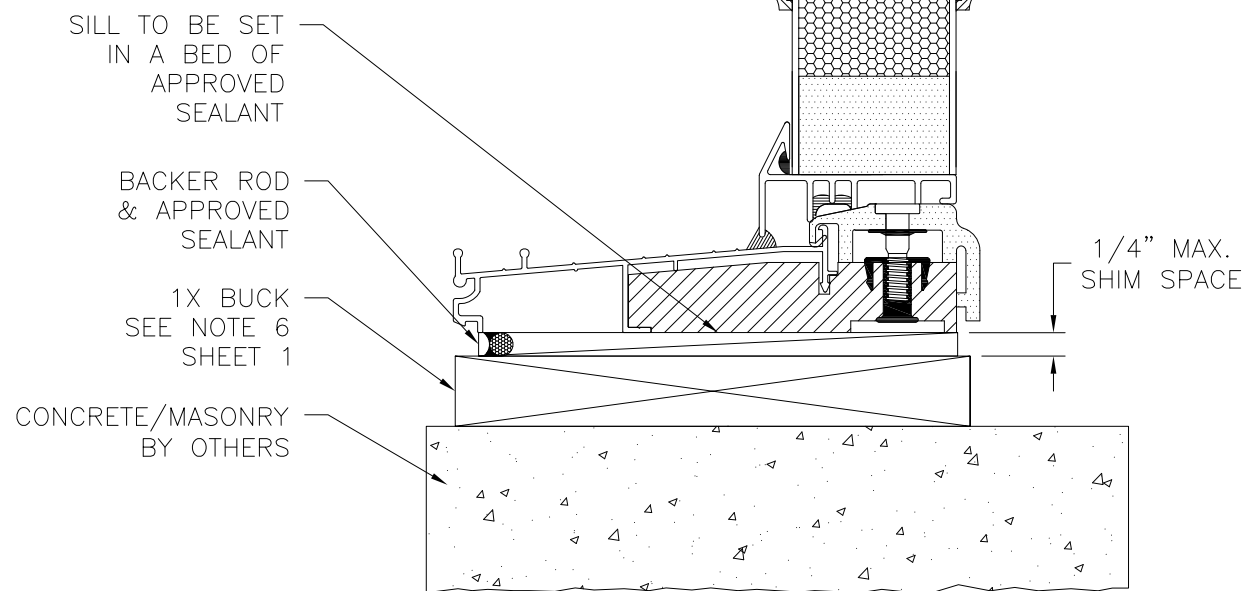
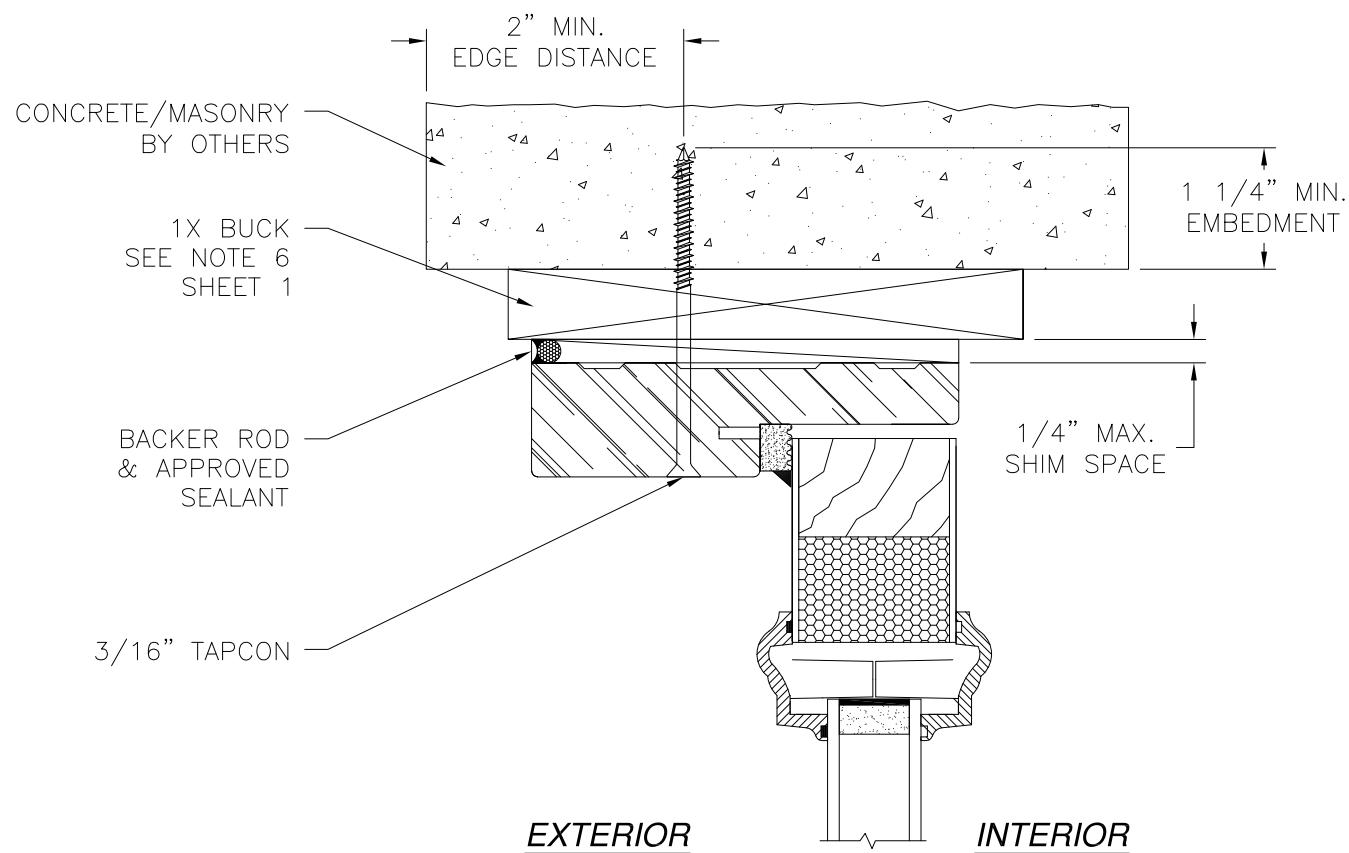
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

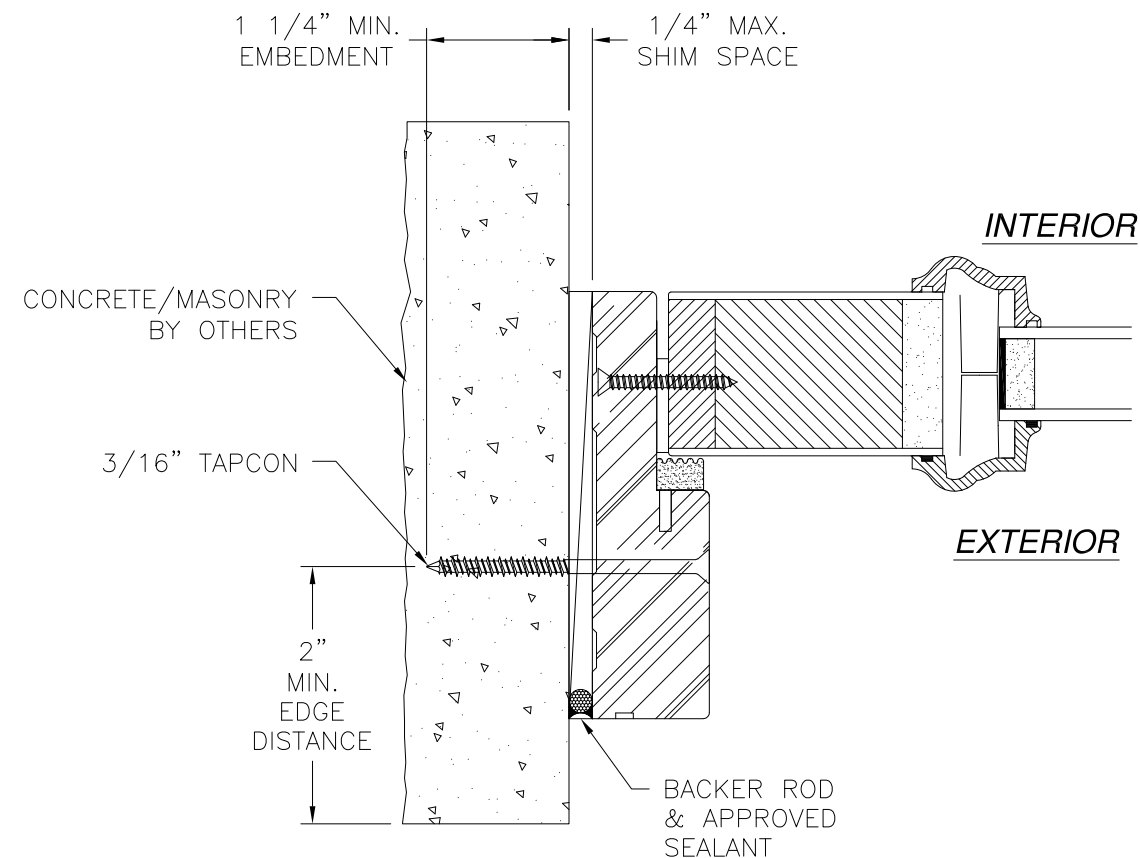


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VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL

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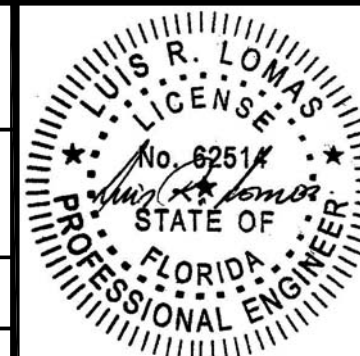


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

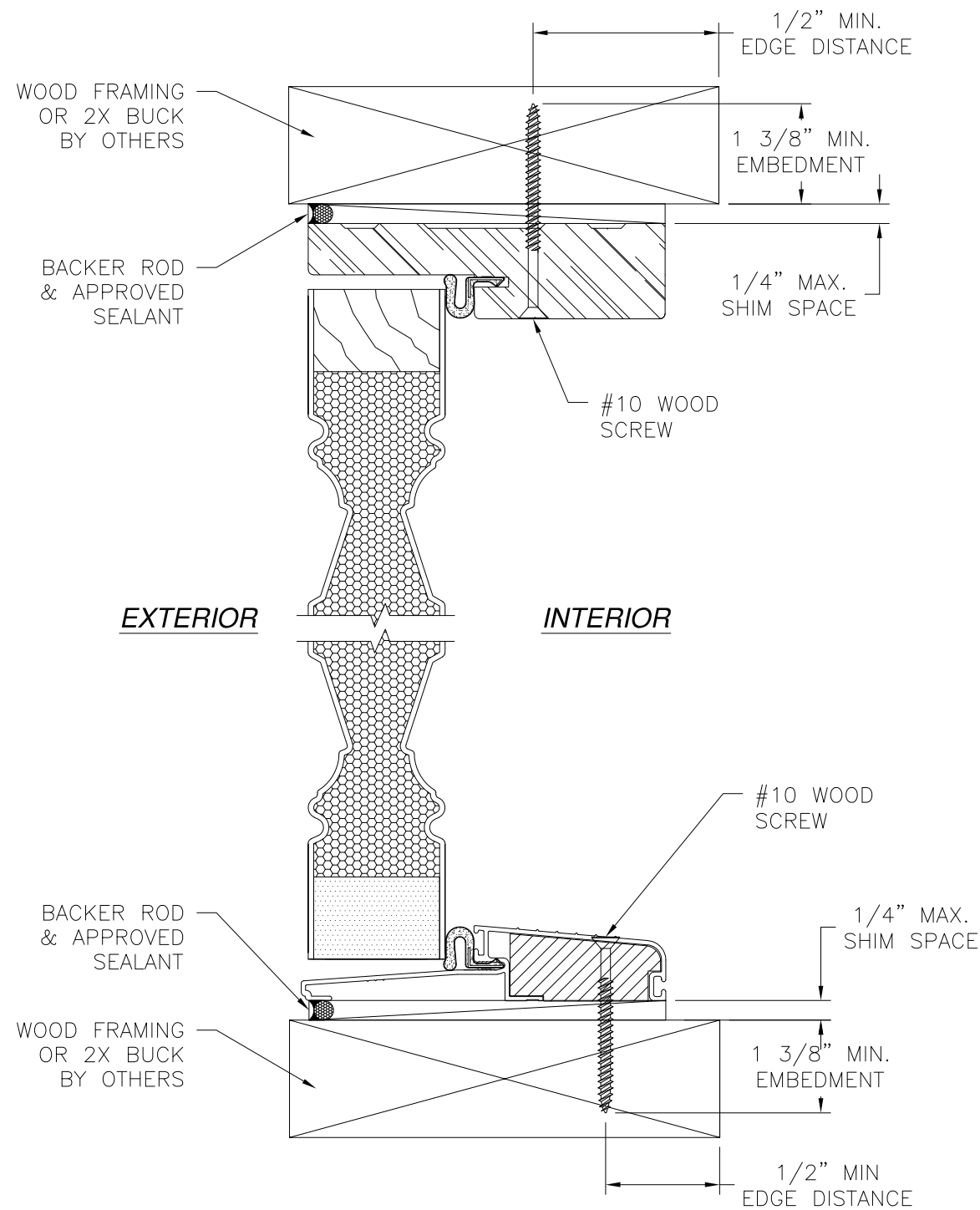
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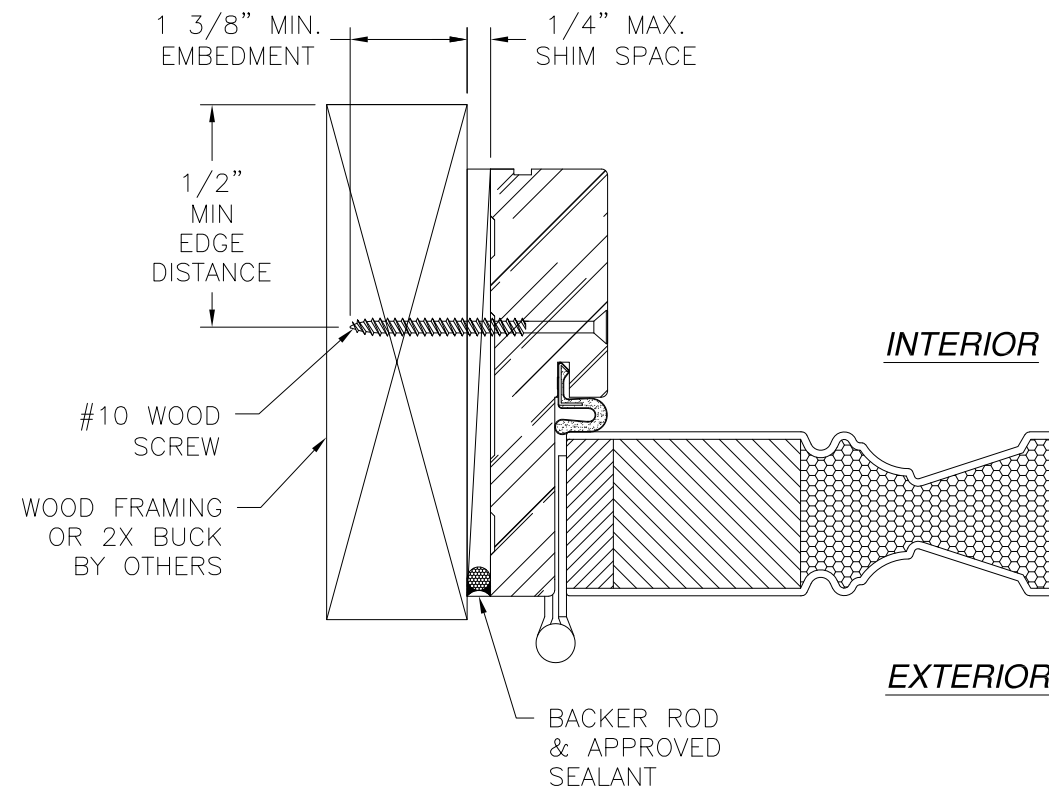


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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

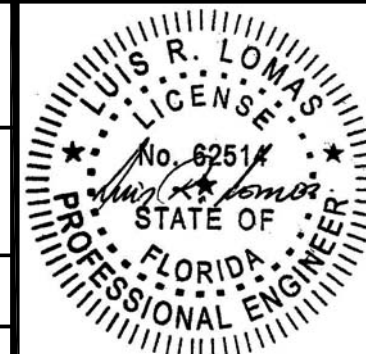


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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

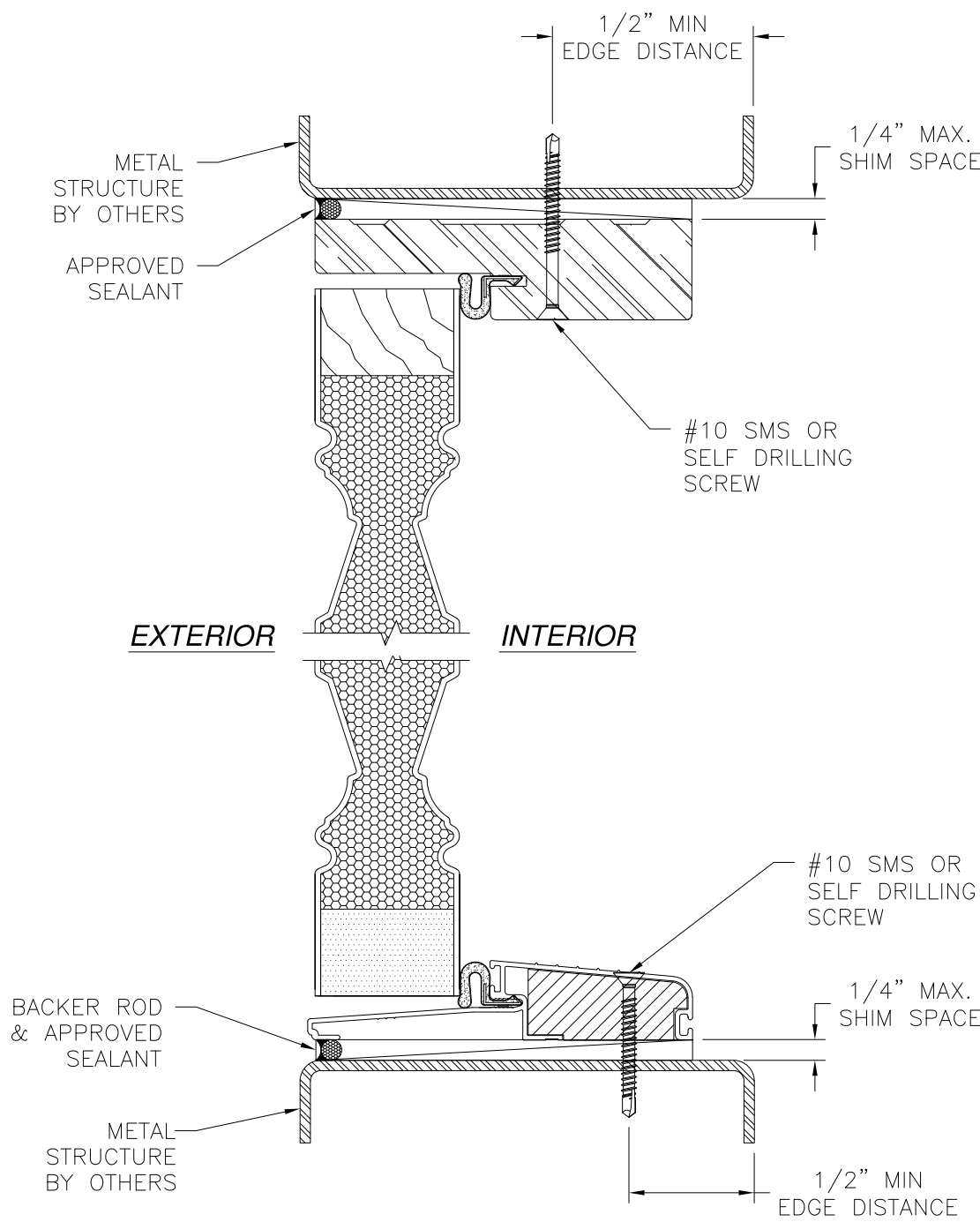
SIGNED: 11/02/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS DOOR INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 10 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

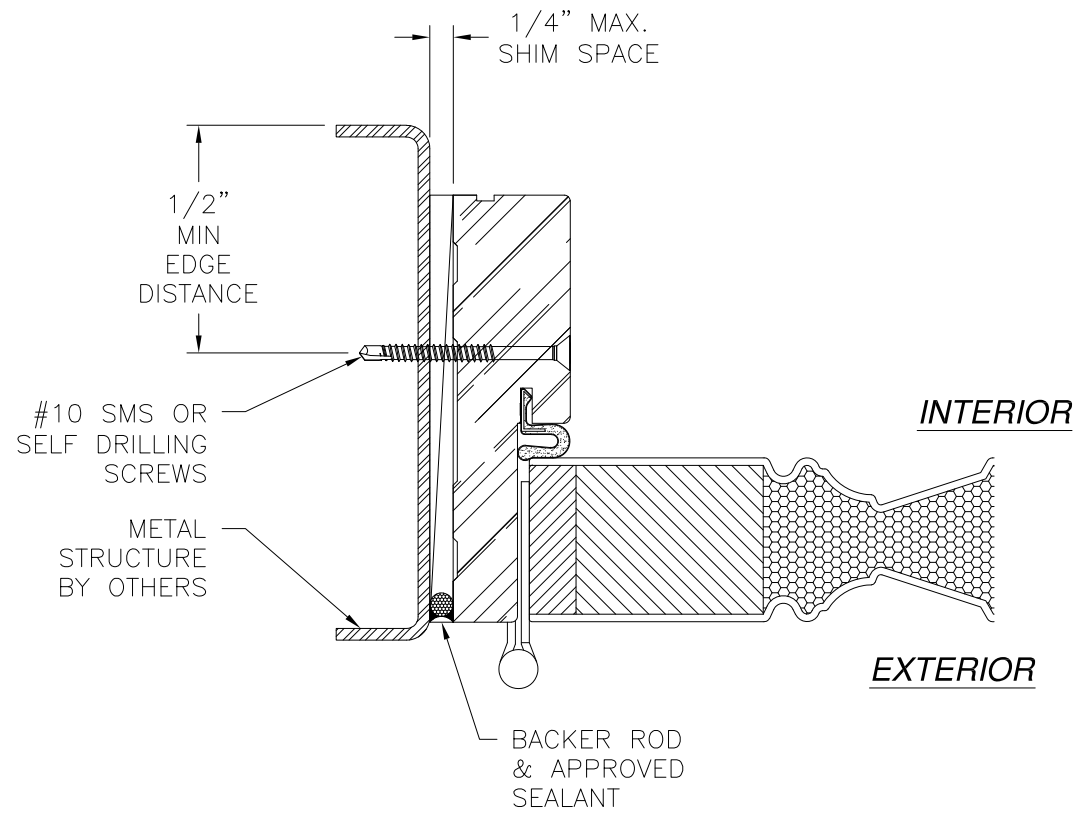


Luis R. Lomas P.E.
FL No.: 62514

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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



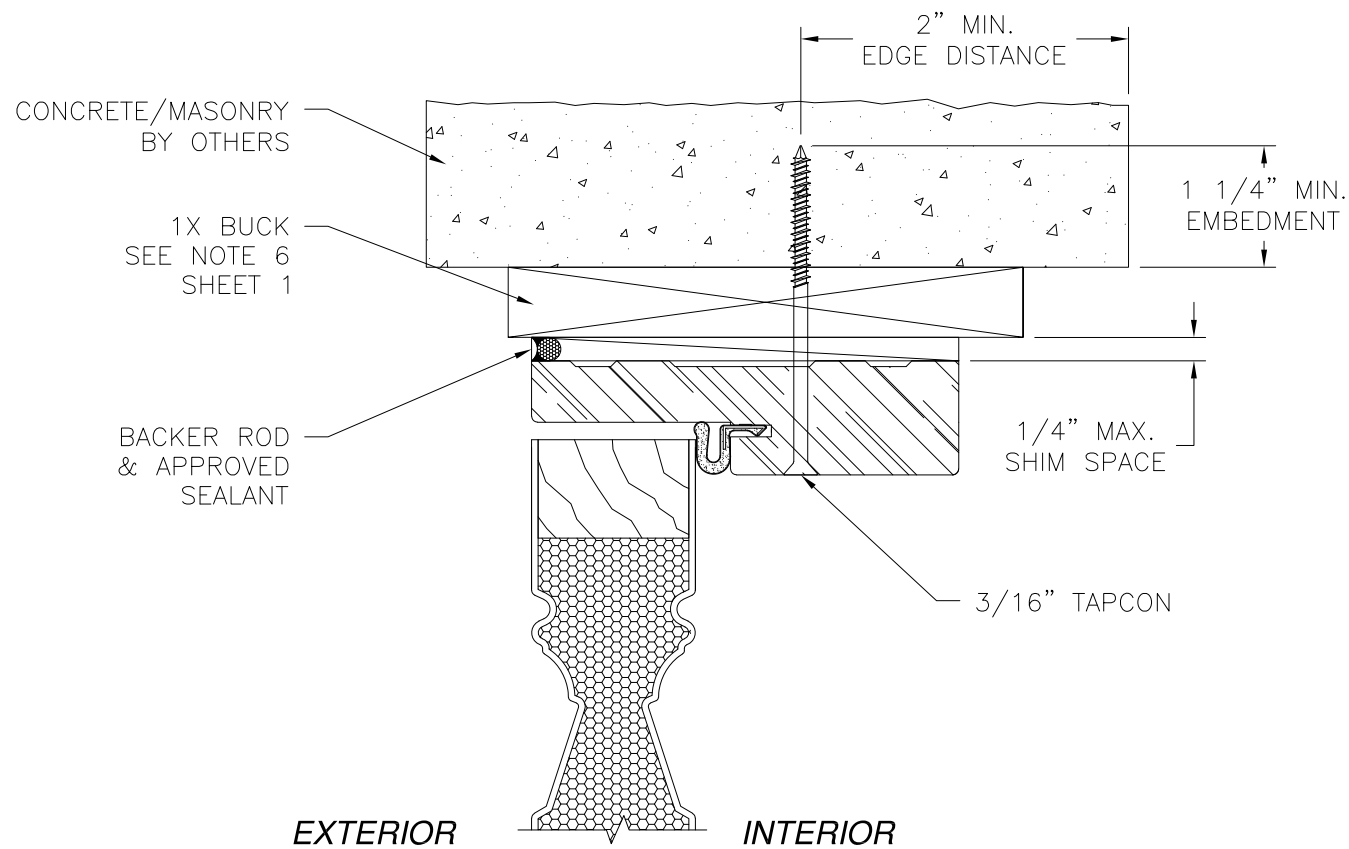
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS,
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SIGNED: 11/02/2023

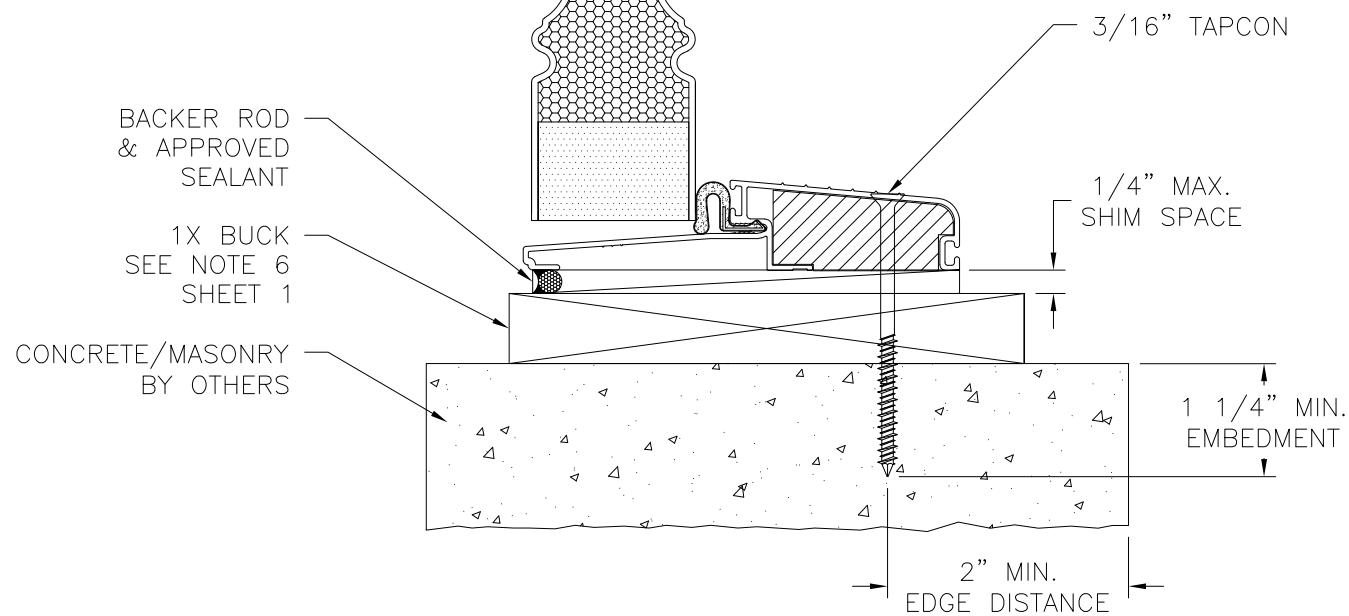
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS DOOR INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 11 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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



EXTERIOR

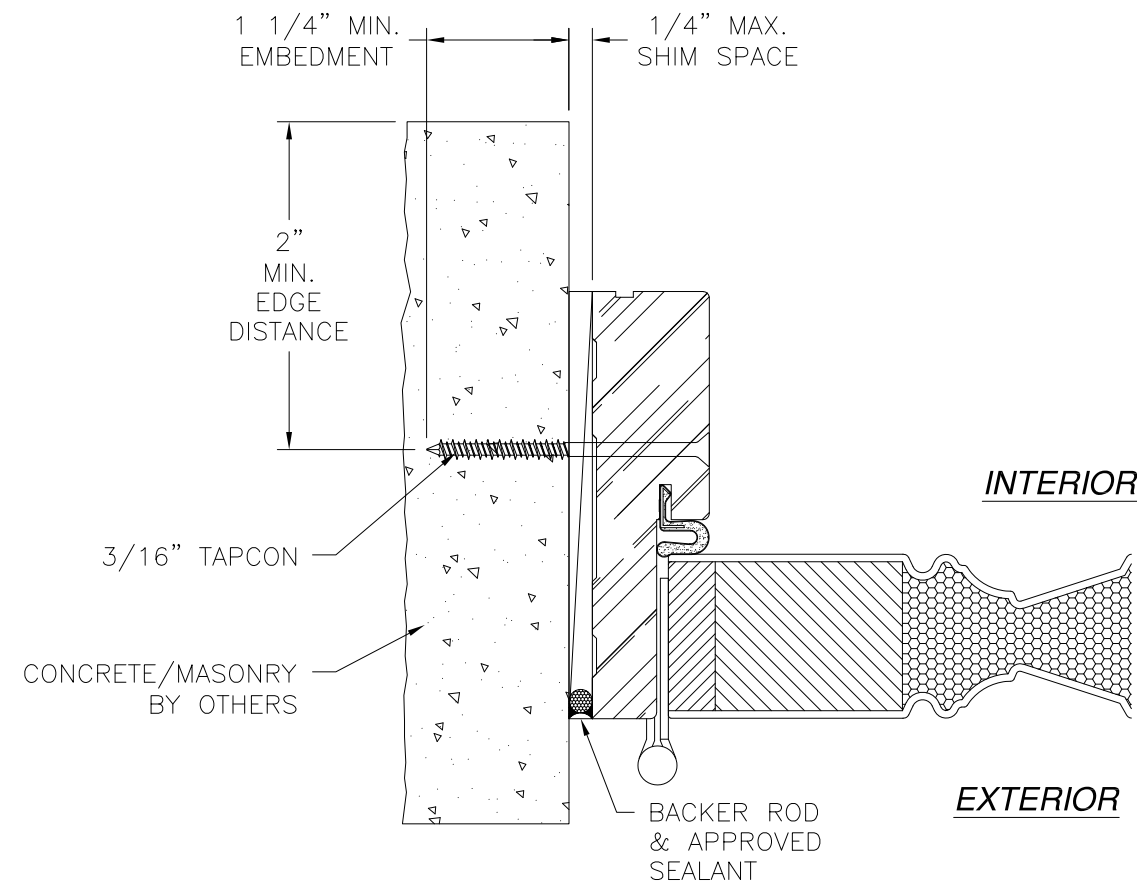
INTERIOR



VERTICAL CROSS SECTION

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

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



INTERIOR

EXTERIOR

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: 11/02/2023

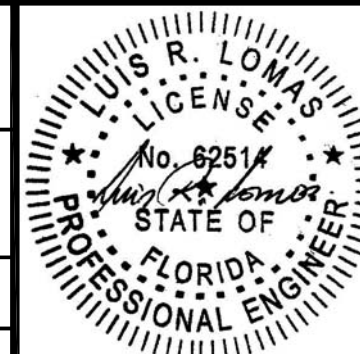
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2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

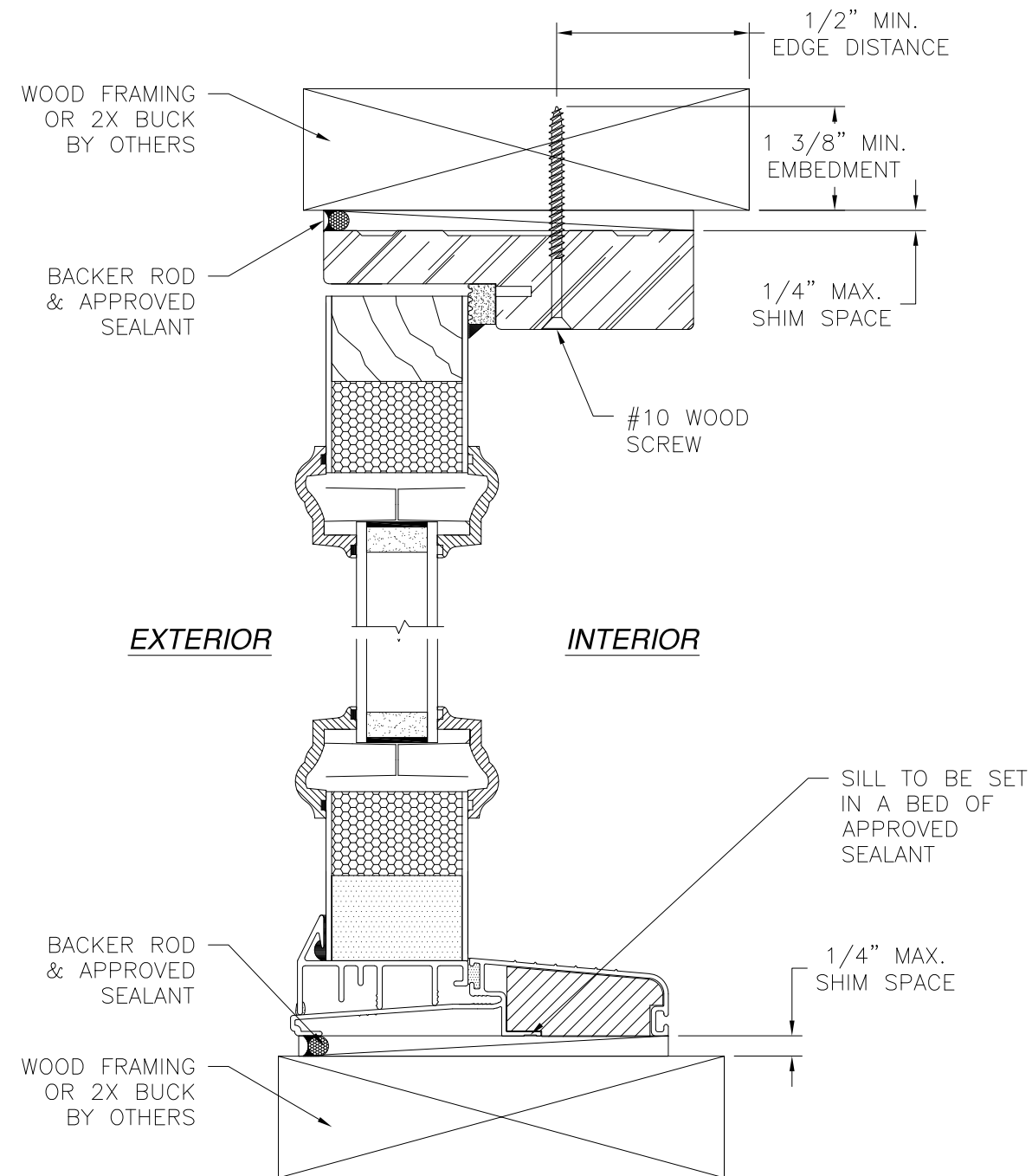
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
OS DOOR INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 12 OF 31

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

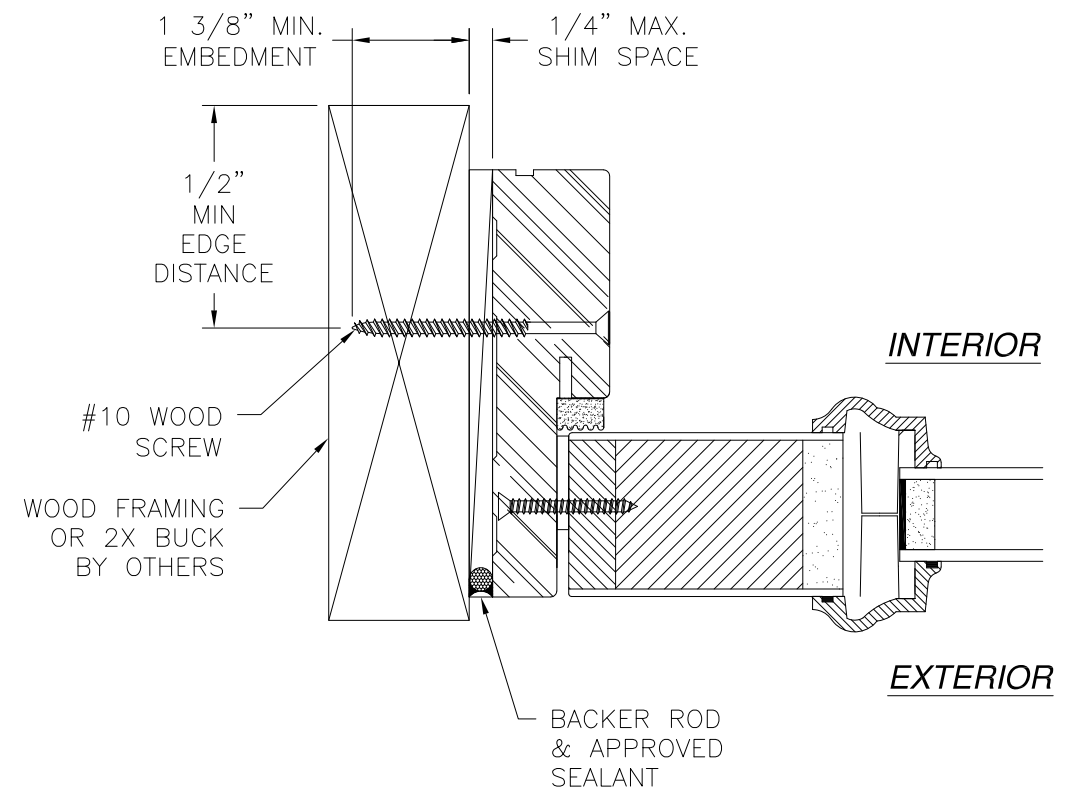


Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:
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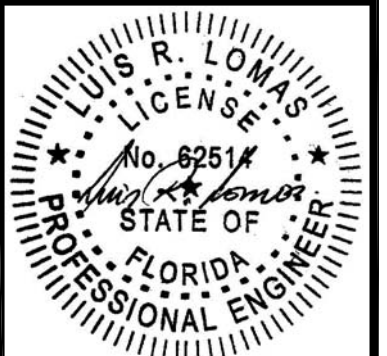


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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

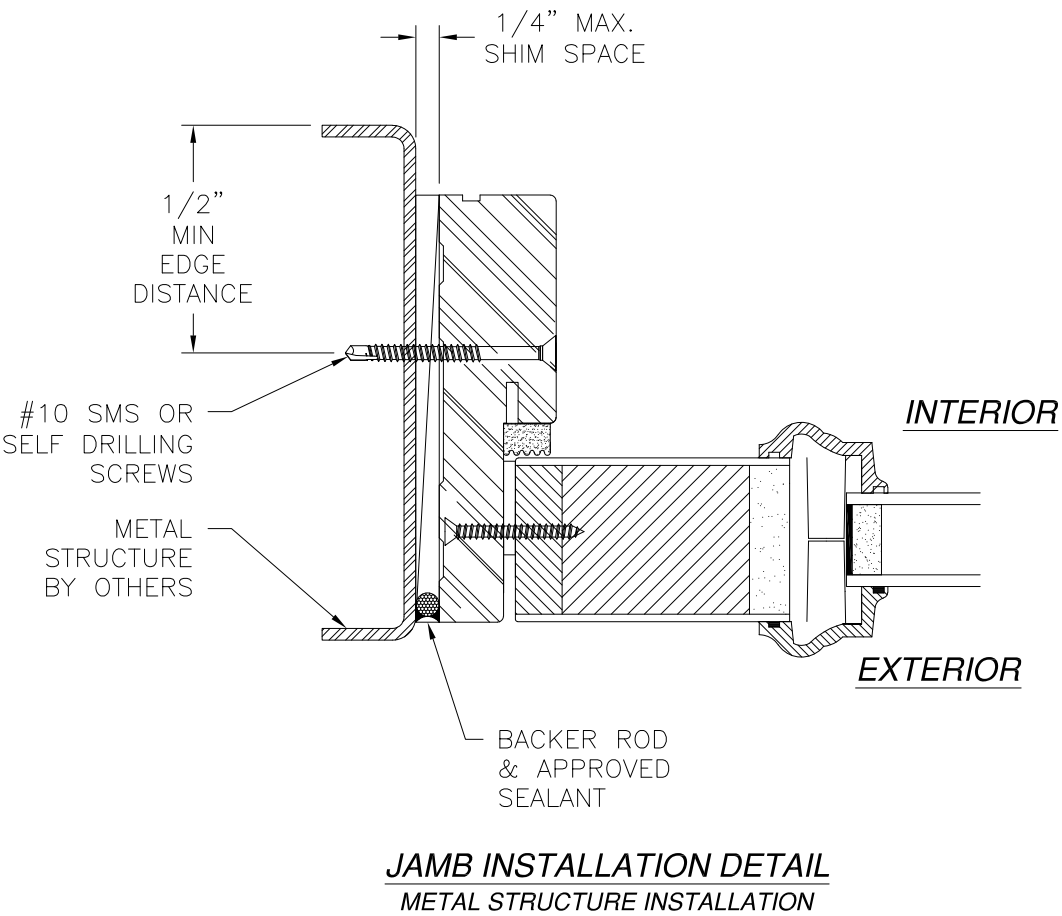
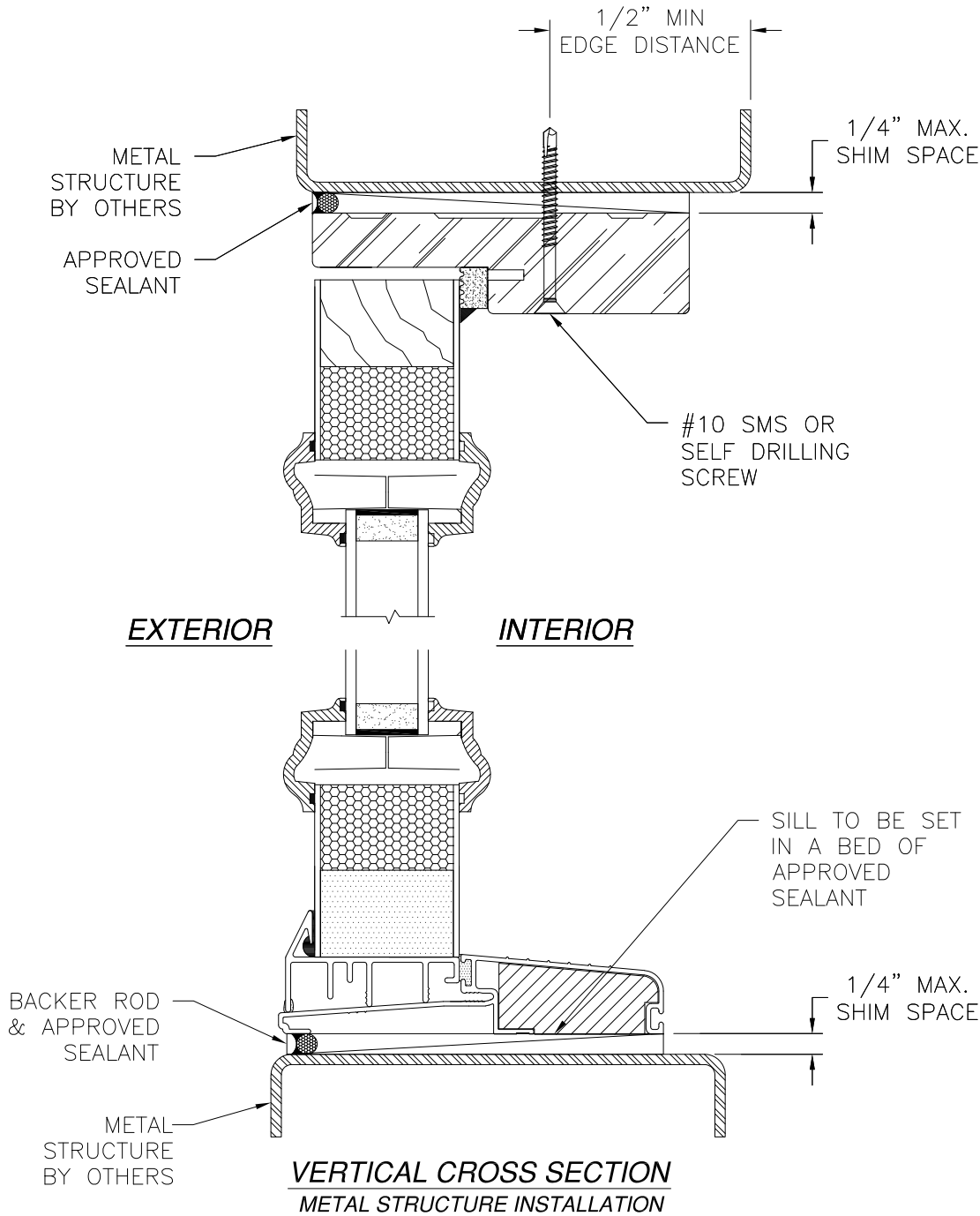
SIGNED: 11/02/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS SIDELITE INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 13 OF 31
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.



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SIGNED: 11/02/2023

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
OS SIDELITE INSTALLATION DETAILS

DRAWN:

V.L.

DWG NO.

08-01362

REV

F

SCALE

NTS

DATE

10/03/11

SHEET

14 OF 31

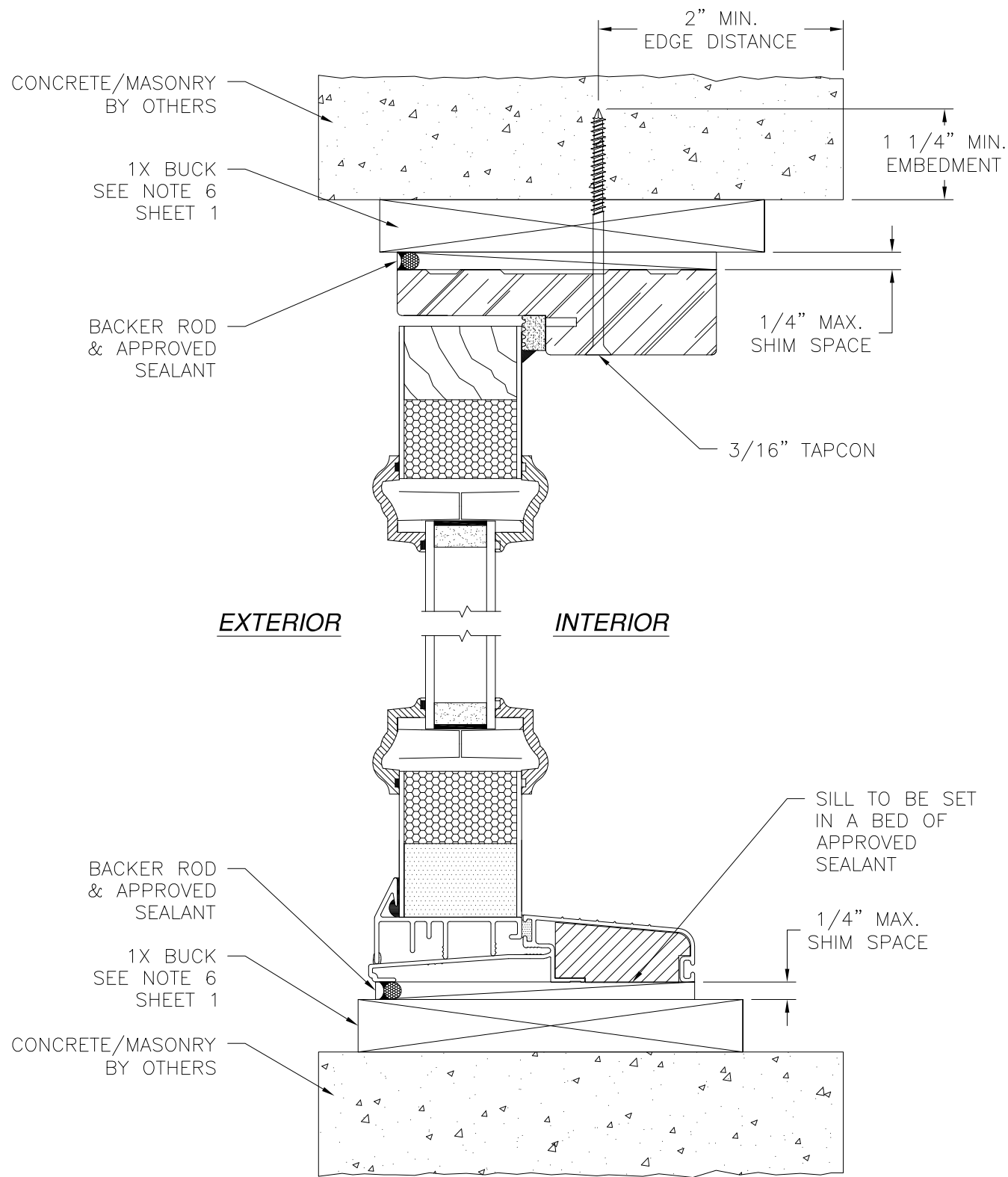
L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

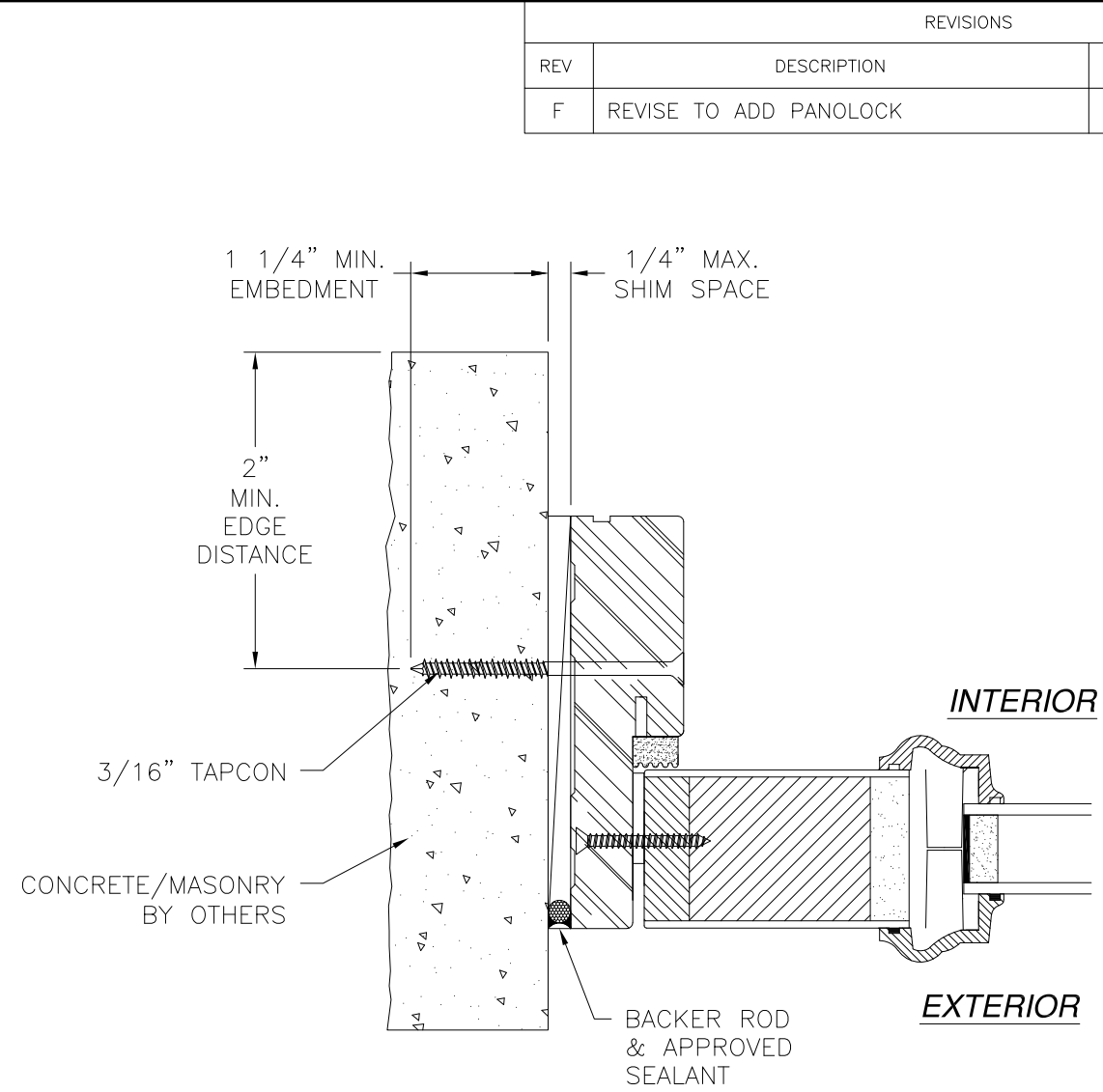
434-688-0609 rllomas@lrlomaspe.com



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 INSTALLATION 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

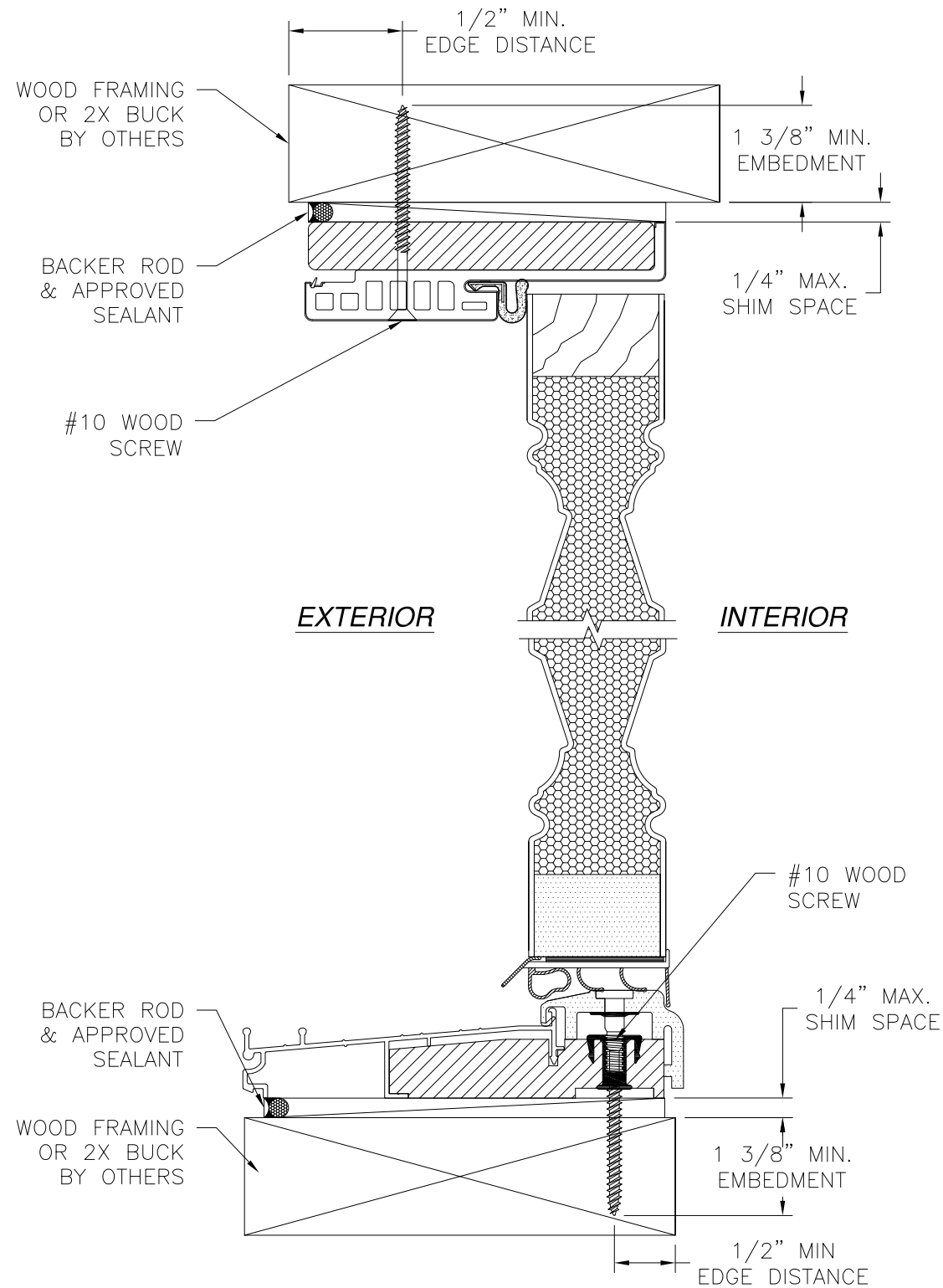
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 LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
 OS SIDELITE INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 15 OF 31

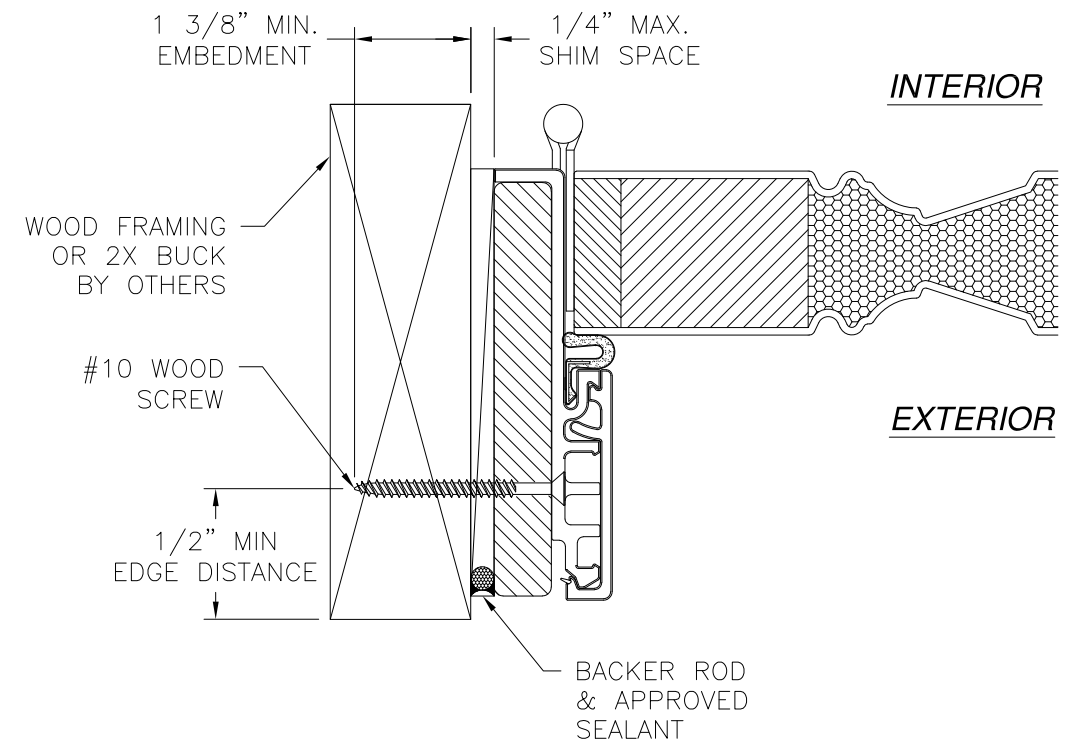
L. ROBERTO LOMAS P.E.
 208 7th Ave, INDIALANTIC, FL 32903
 434-688-0609 rllomas@lrlomaspe.com

SIGNED: 11/02/2023

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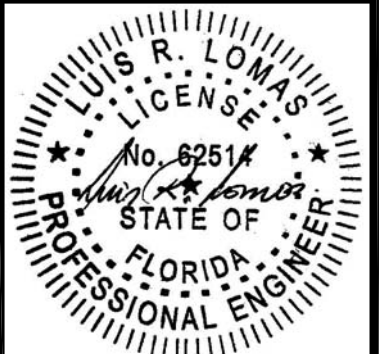
PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
IS DOOR W/FUSION FRAME INSTALLATION DETAILS

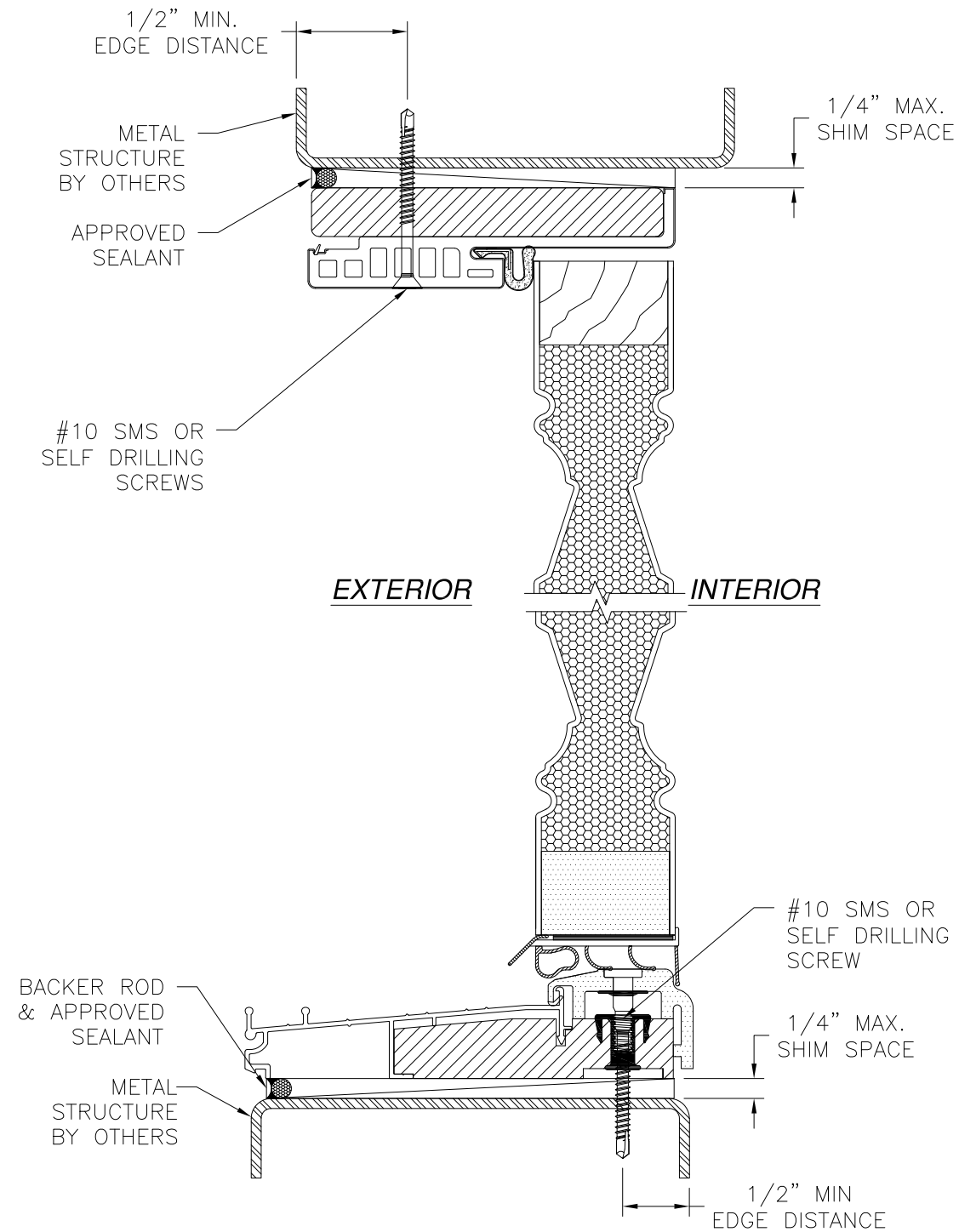
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 16 OF 31

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

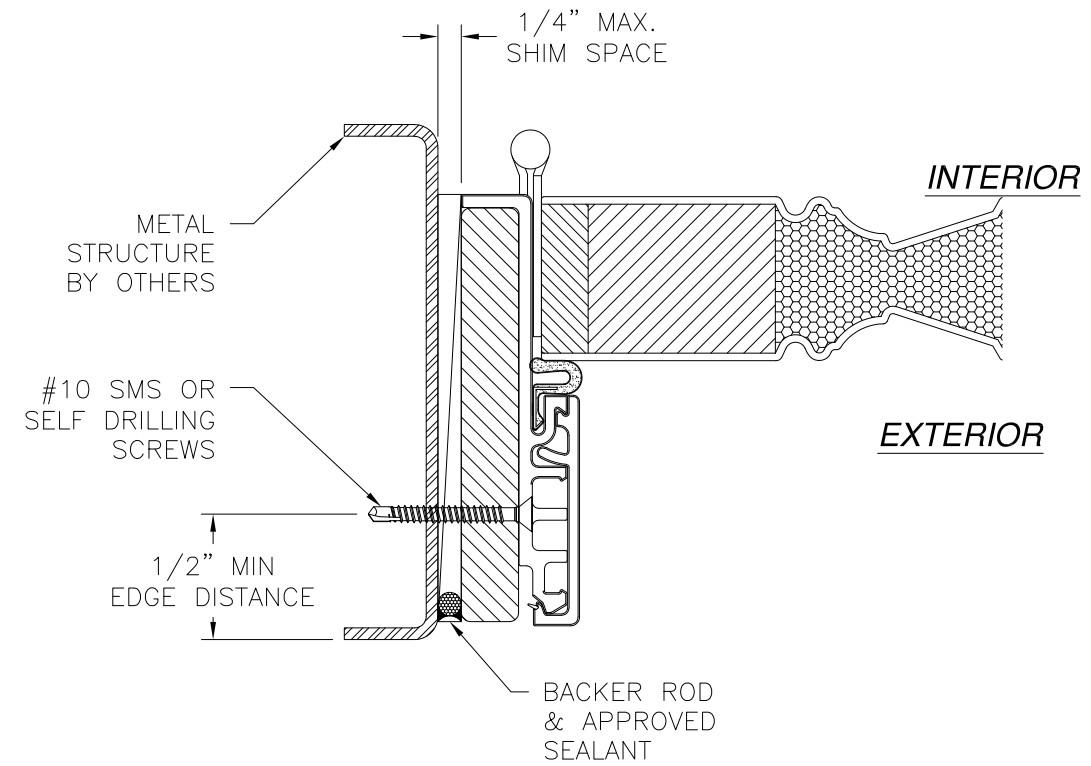


Luis R. Lomas P.E.
FL No.: 62514

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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



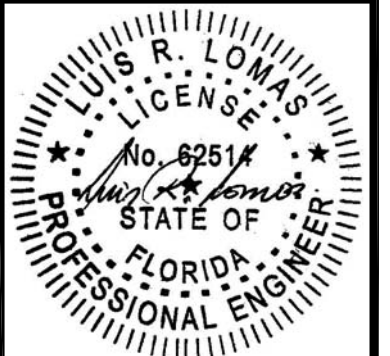
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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

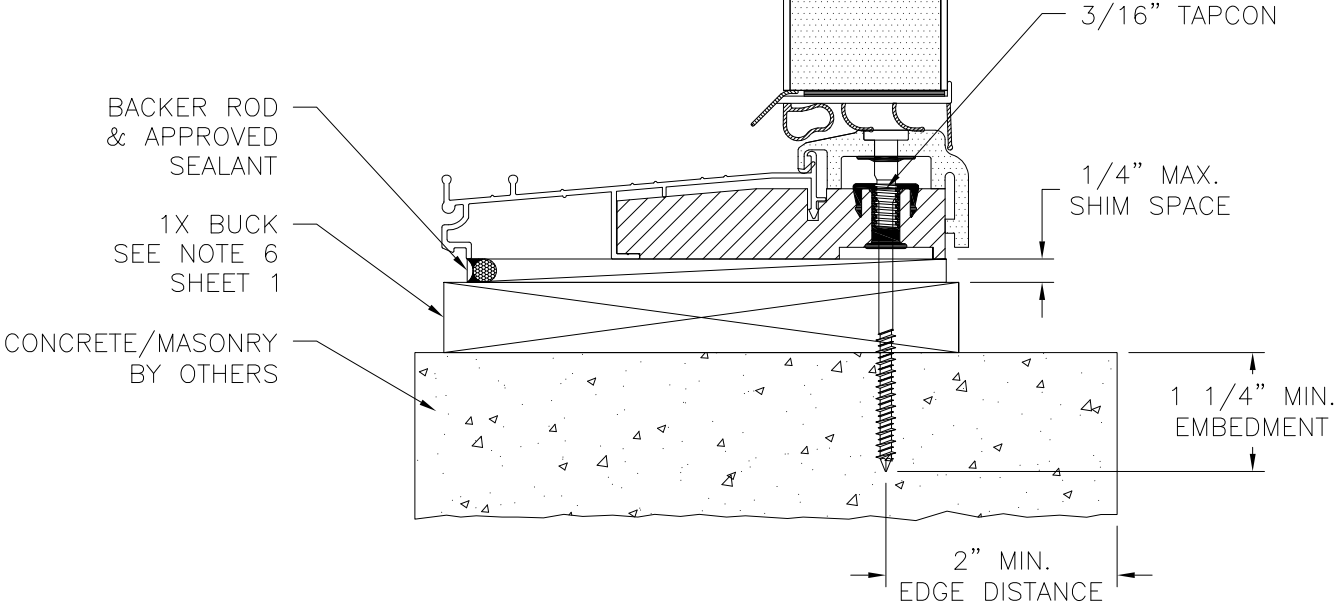
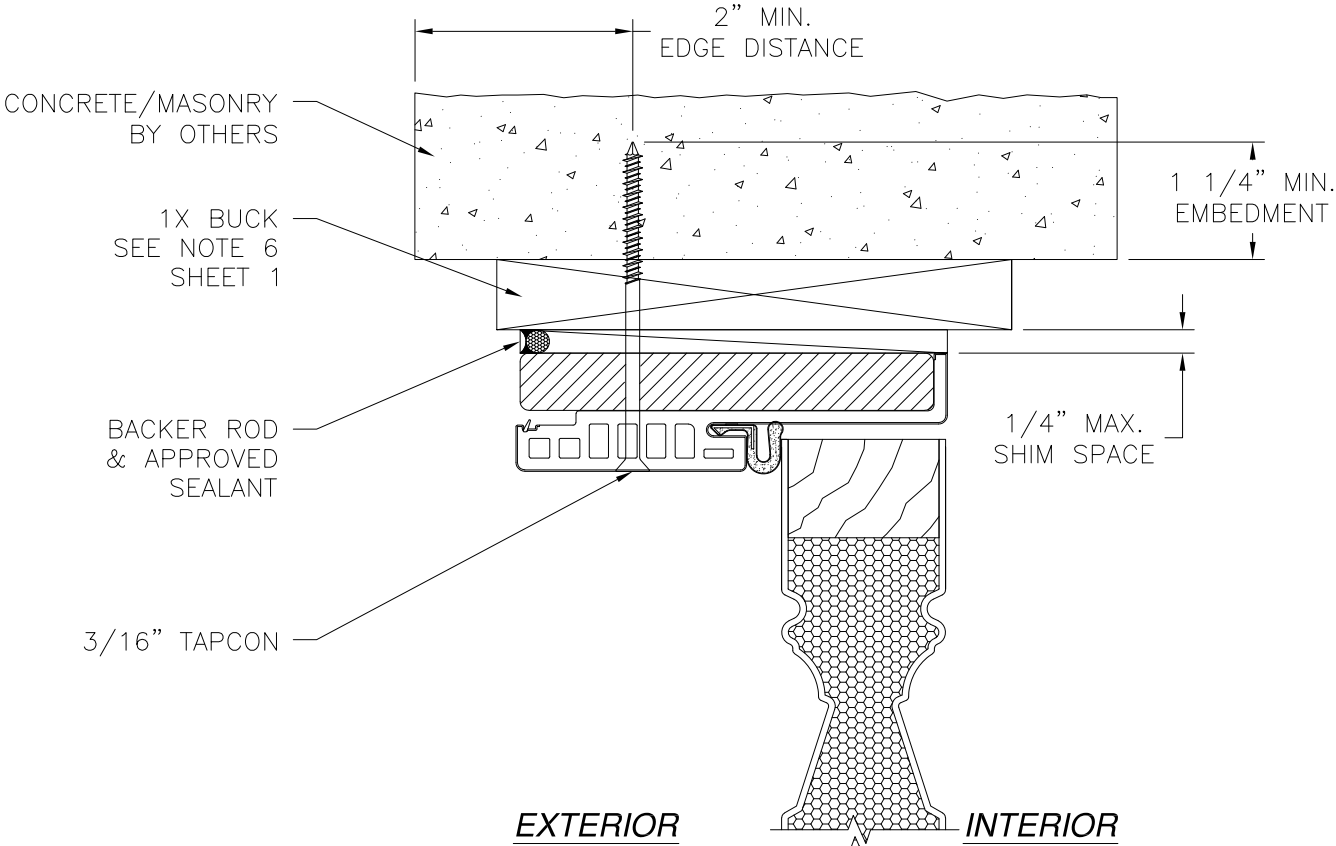
SIGNED: 11/02/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 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. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 17 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

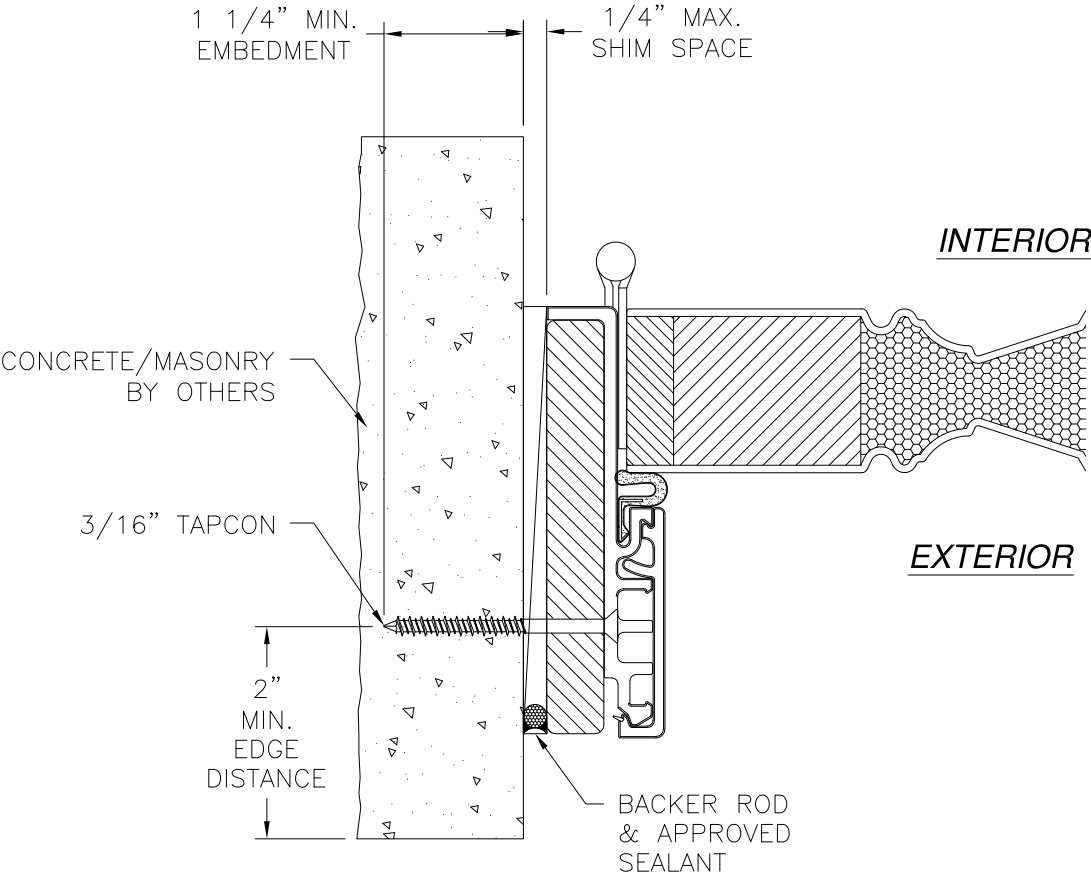


Luis R. Lomas P.E.
FL No.: 62514

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



VERTICAL CROSS SECTION
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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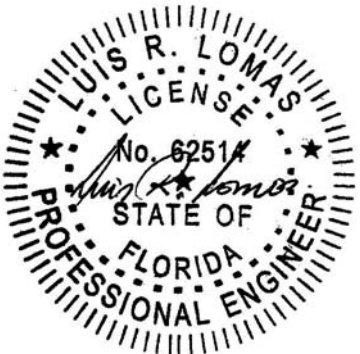
SIGNED: 11/02/2023

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

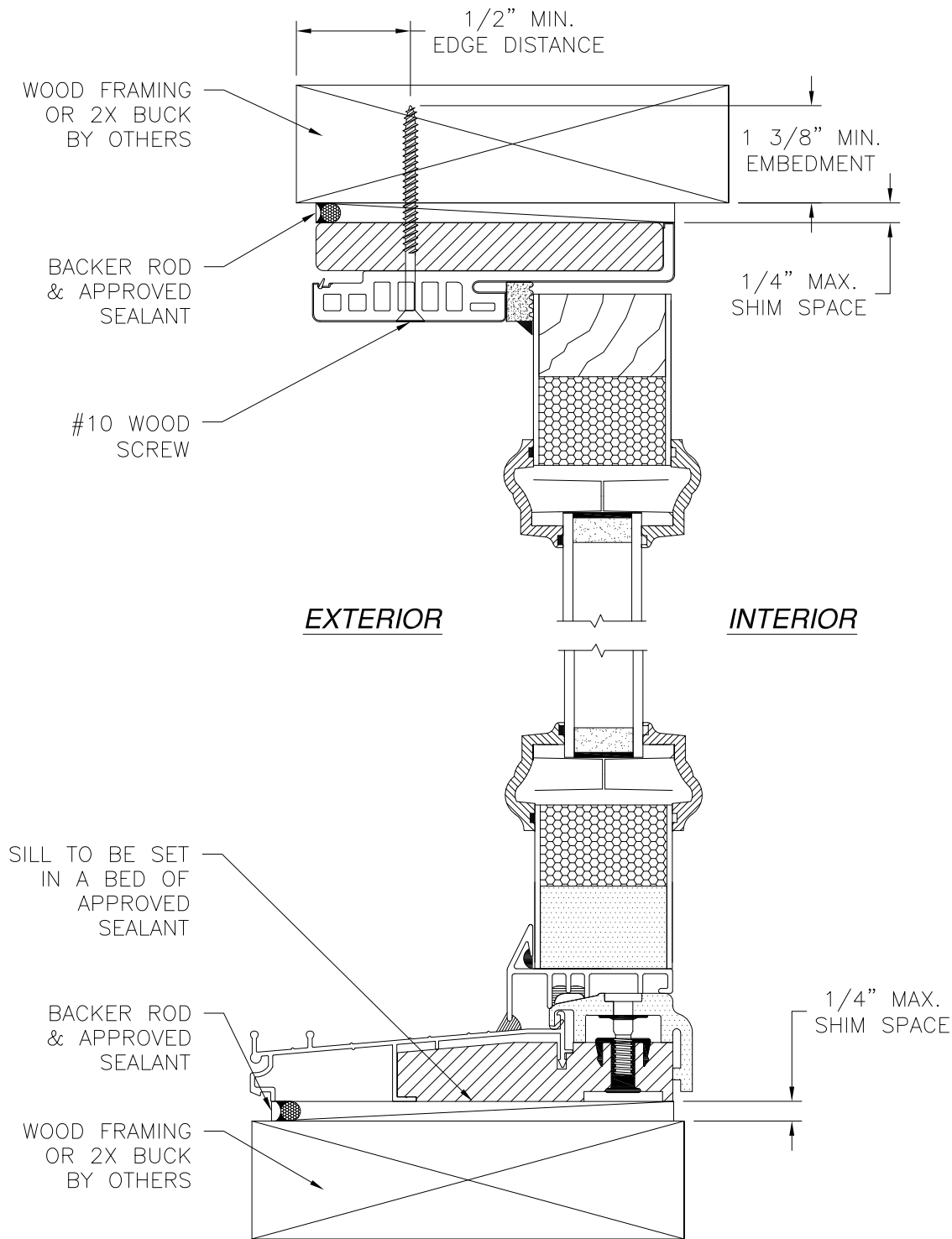
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
IS DOOR W/FUSION FRAME INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 18 OF 31

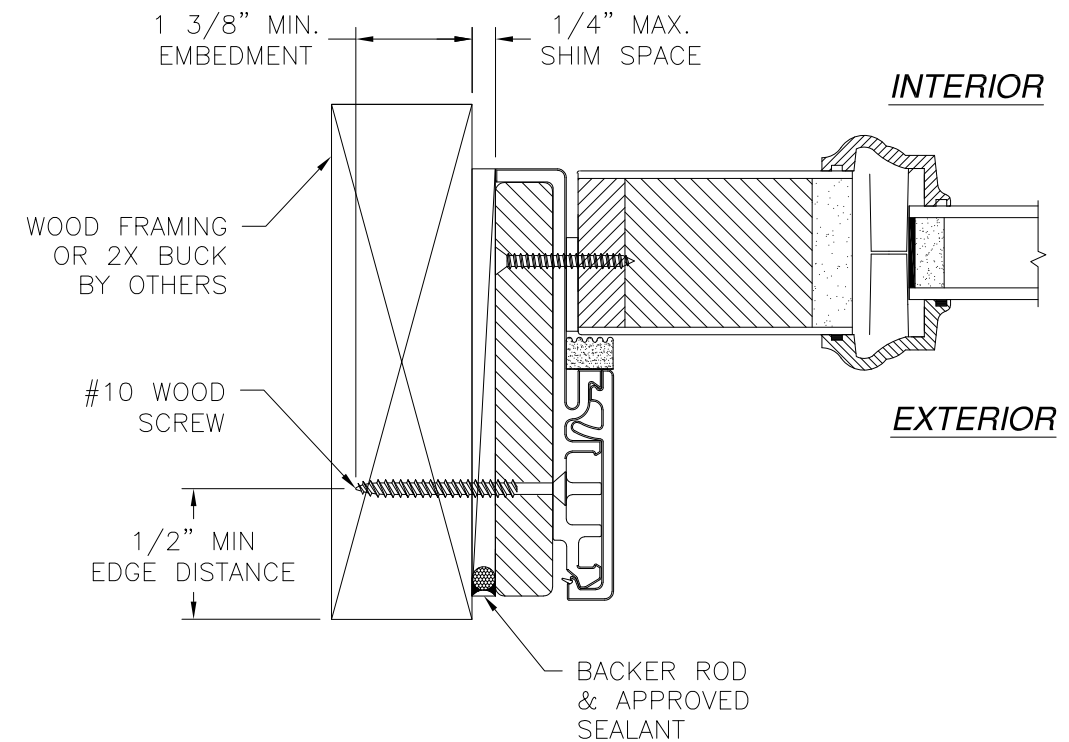
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



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



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



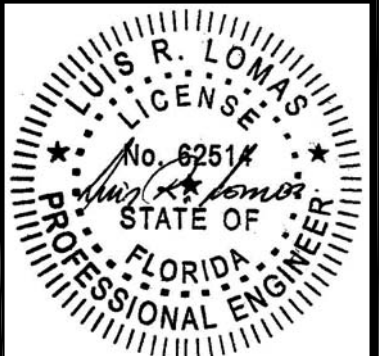
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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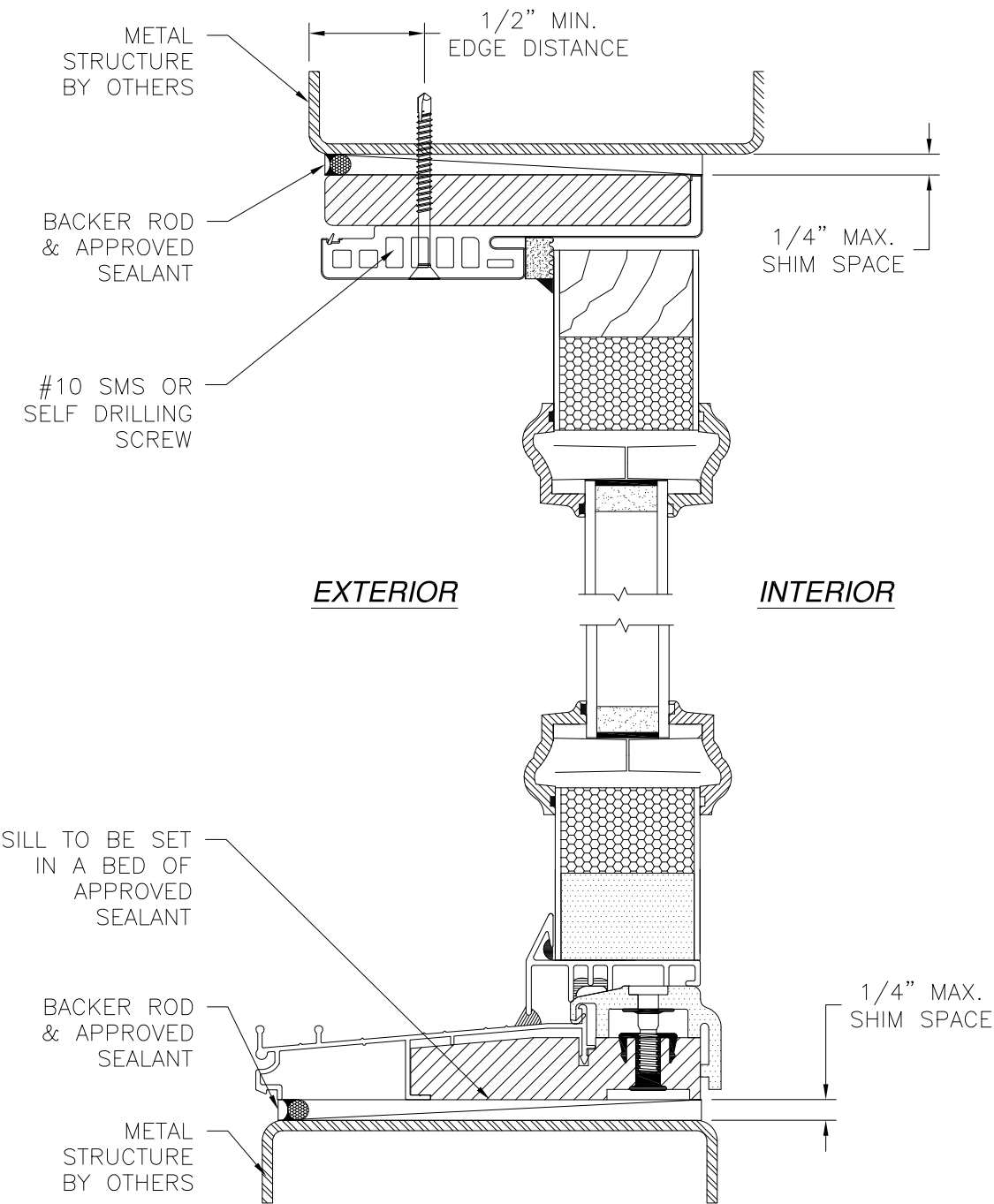
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.

SIGNED: 11/02/2023

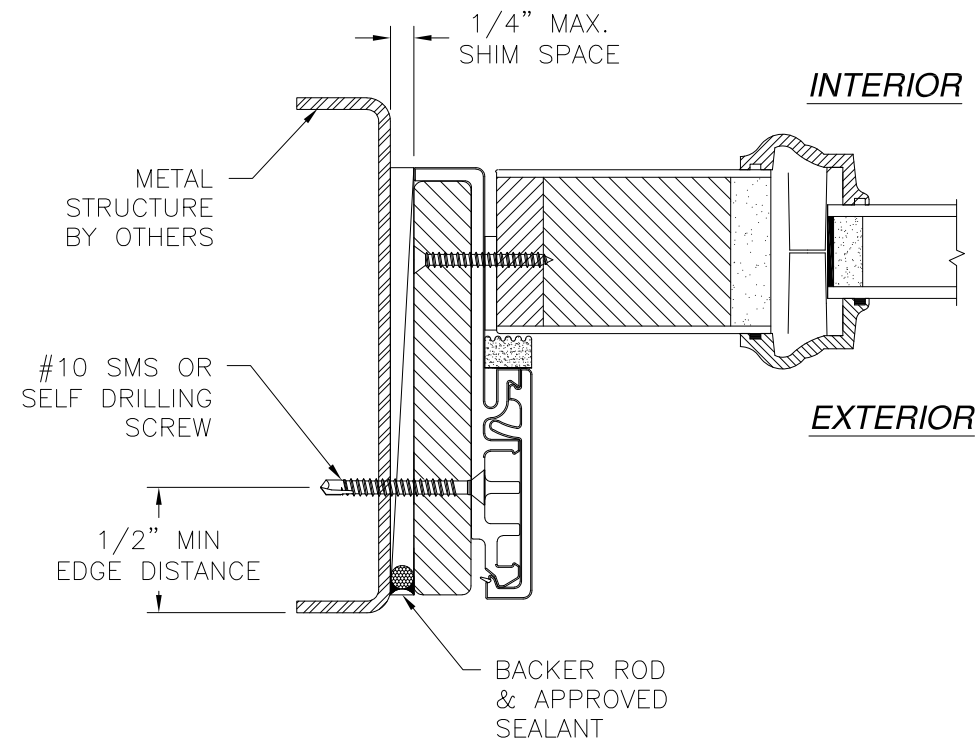
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES IS SIDELITE W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 19 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



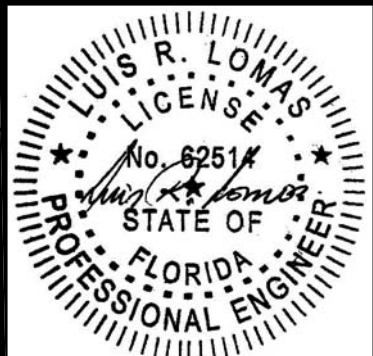
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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

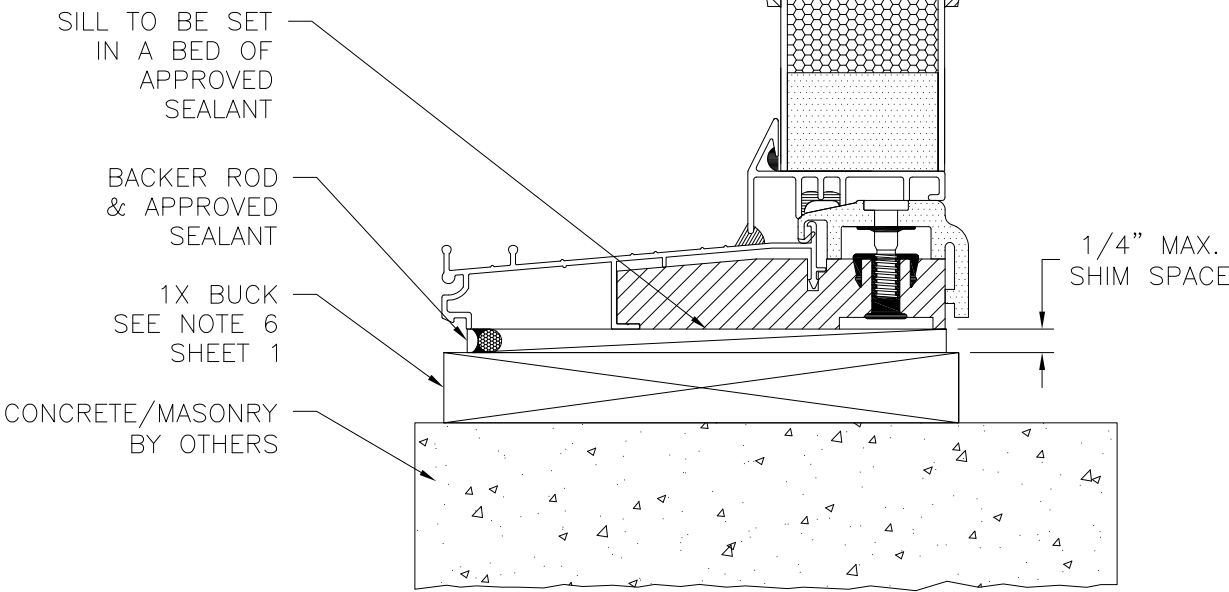
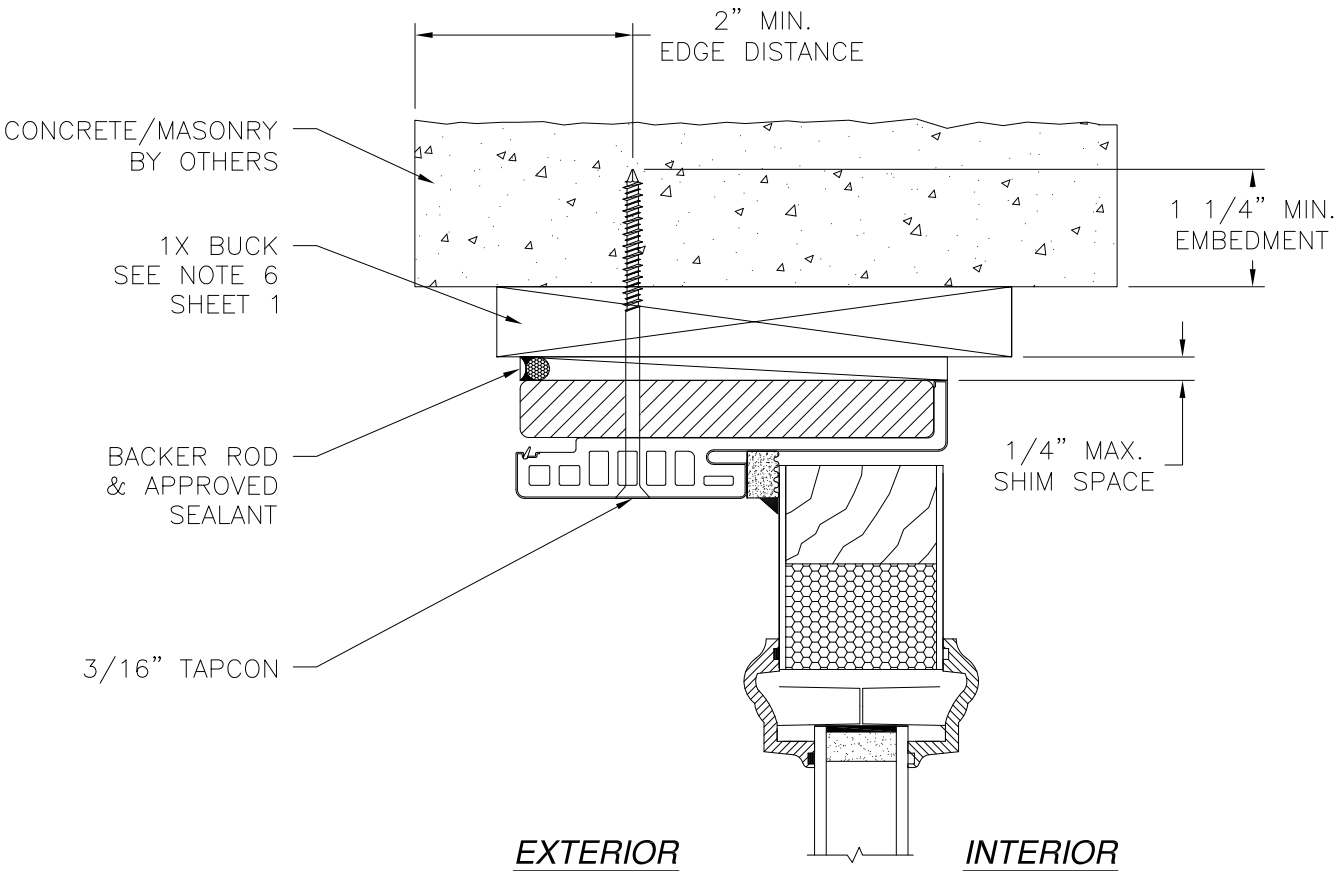
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES IS SIDELITE W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 20 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 11/02/2023

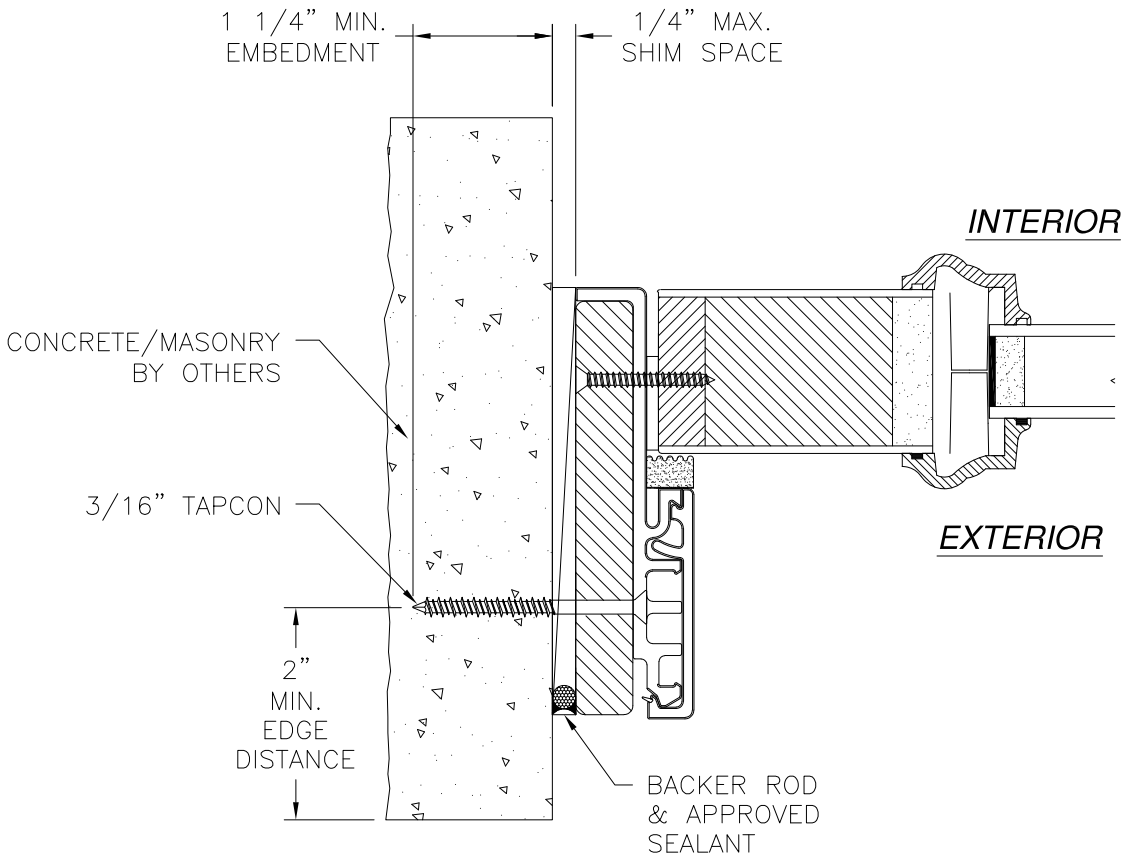


Luis R. Lomas P.E.
FL No.: 62514

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

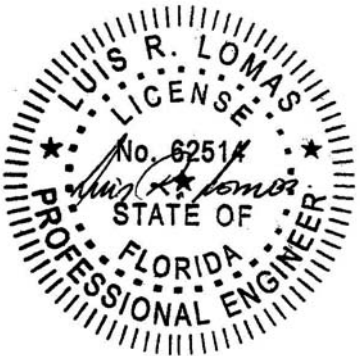


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

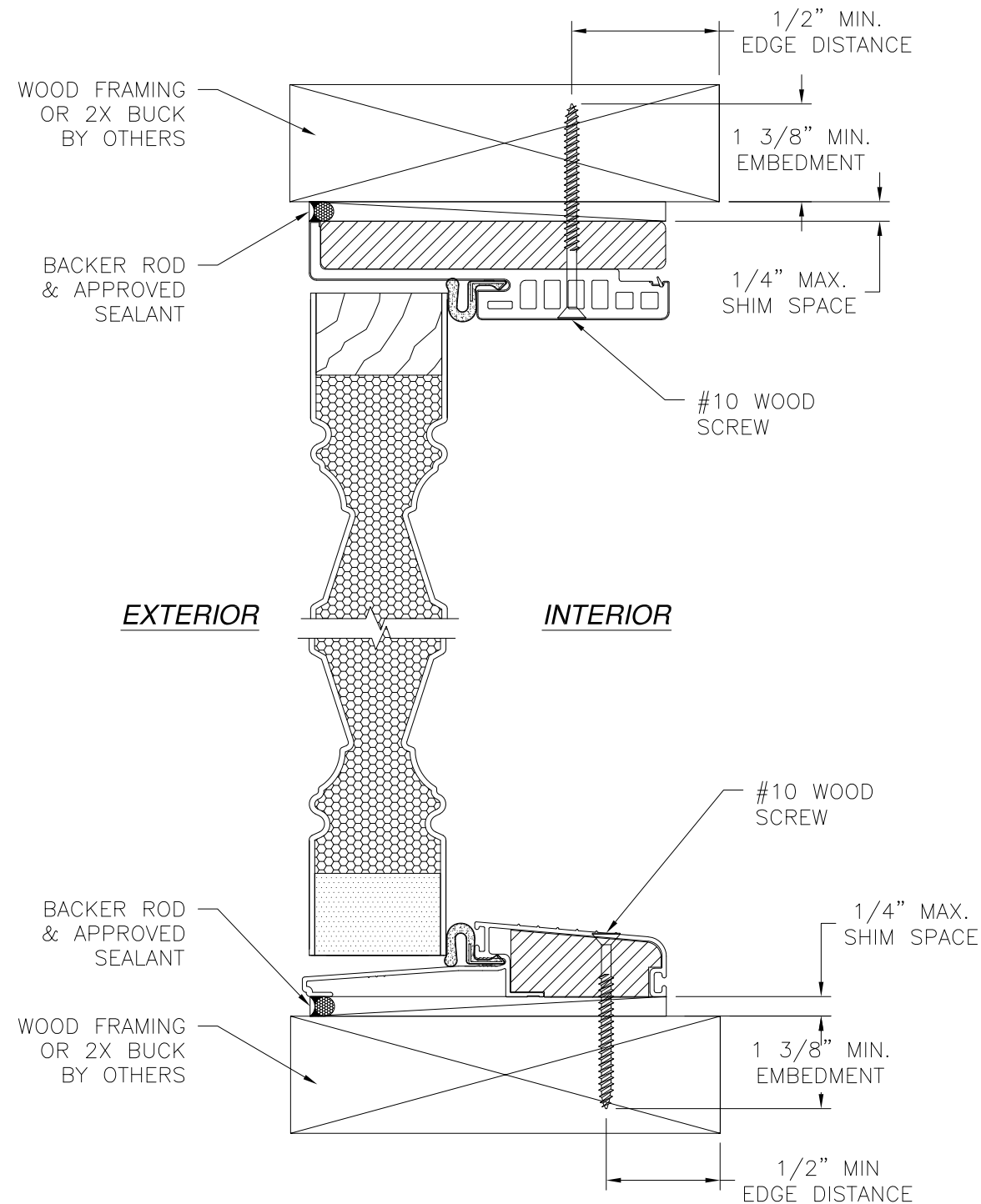
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SIGNED: 11/02/2023

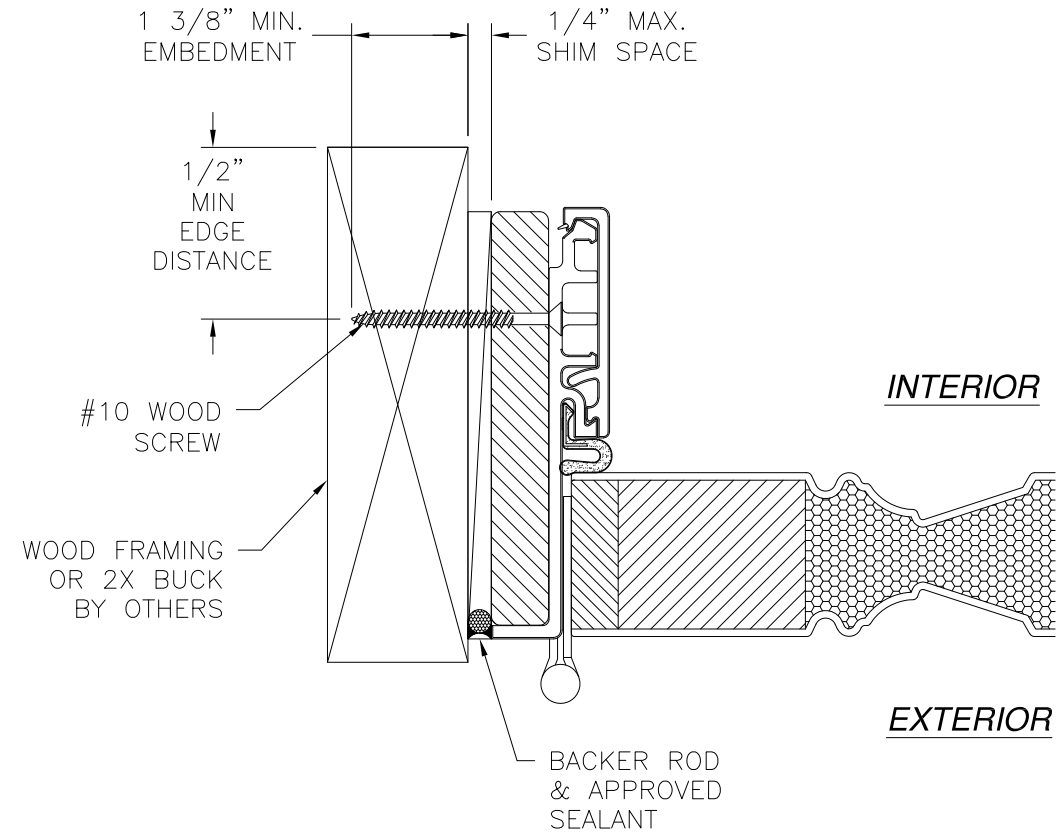
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES IS SIDELITE W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 21 OF 31
L. ROBERTO LOMAS P.E. 208 7th 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



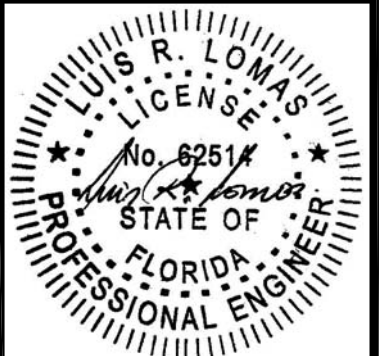
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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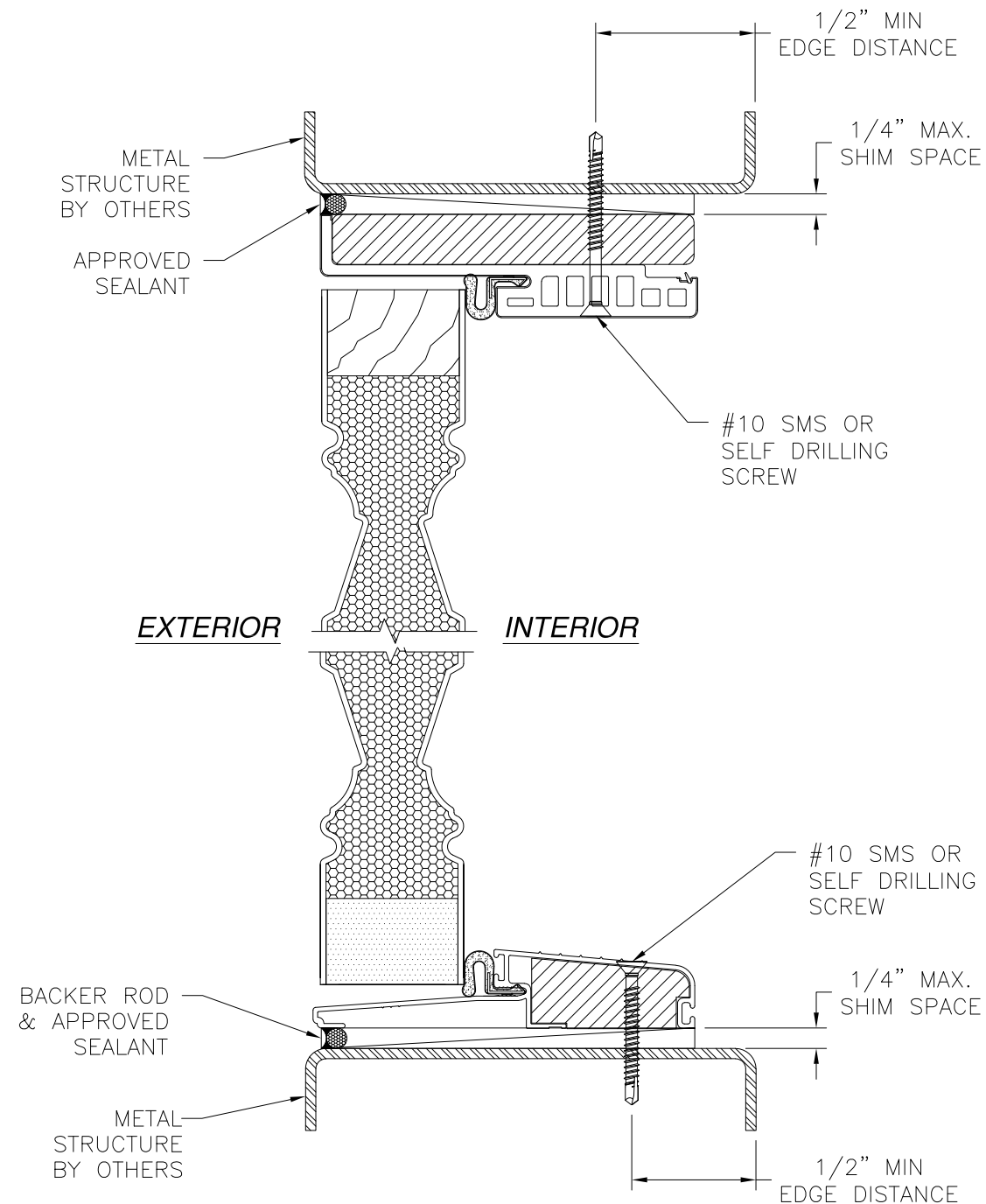
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.

SIGNED: 11/02/2023

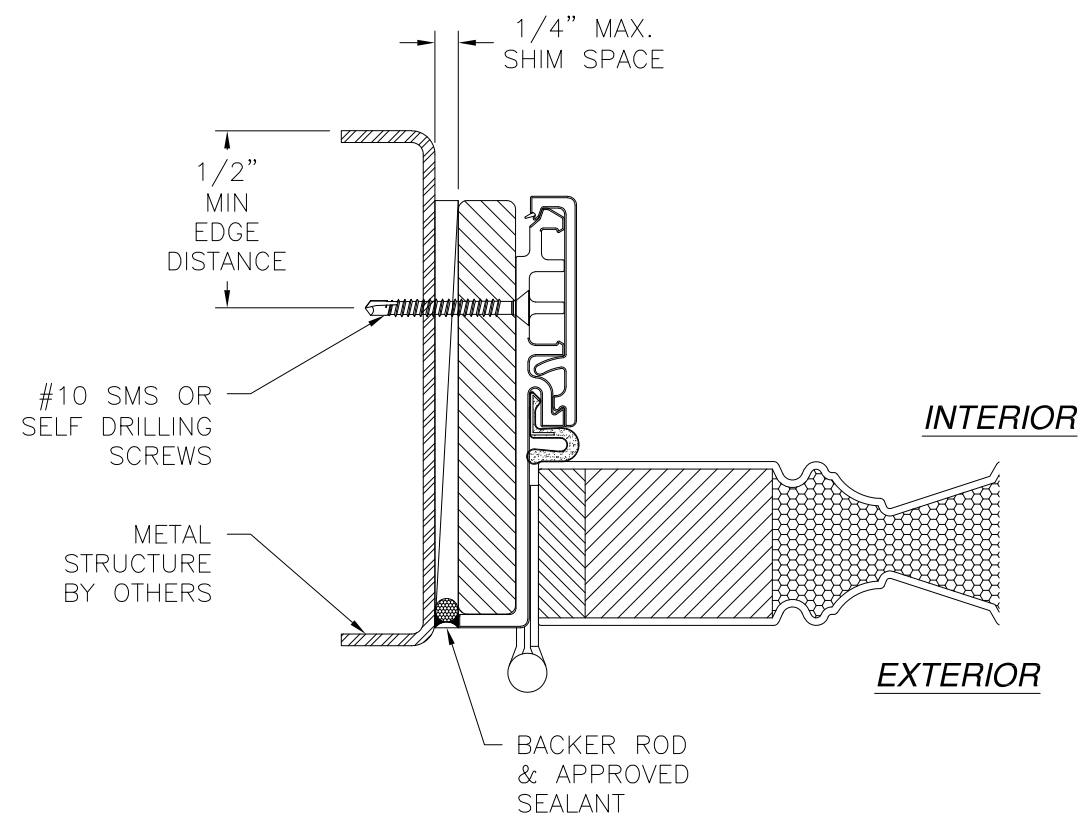
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS DOOR W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 22 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



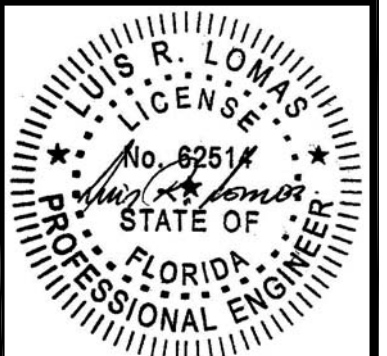
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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.

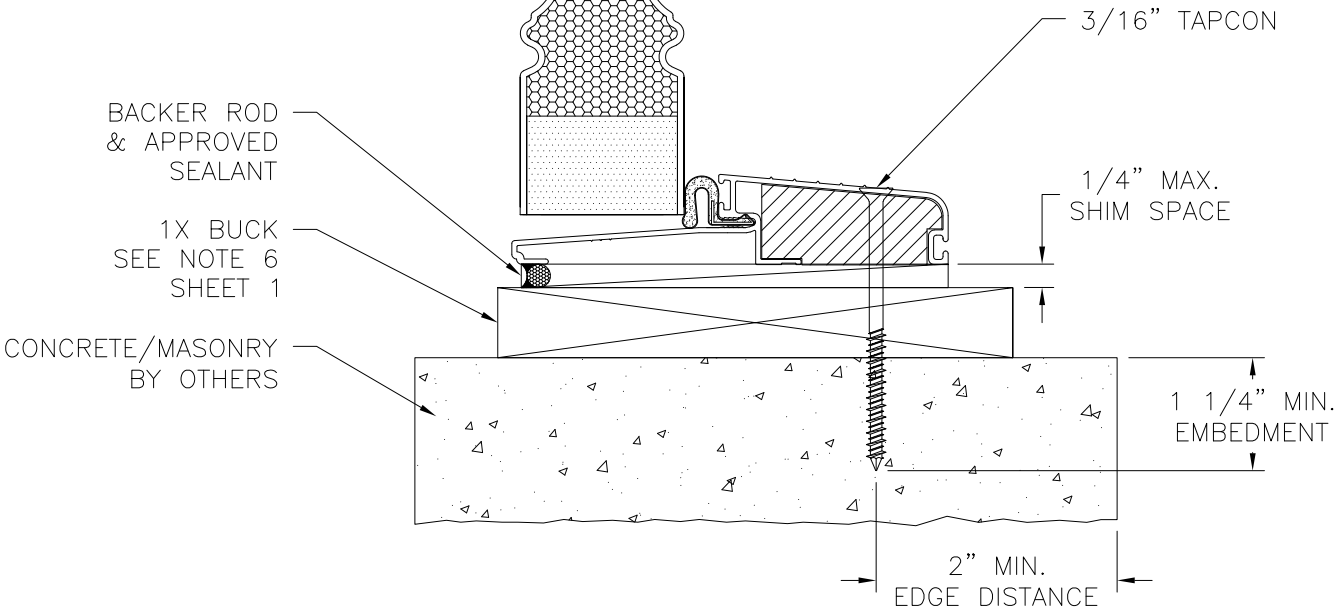
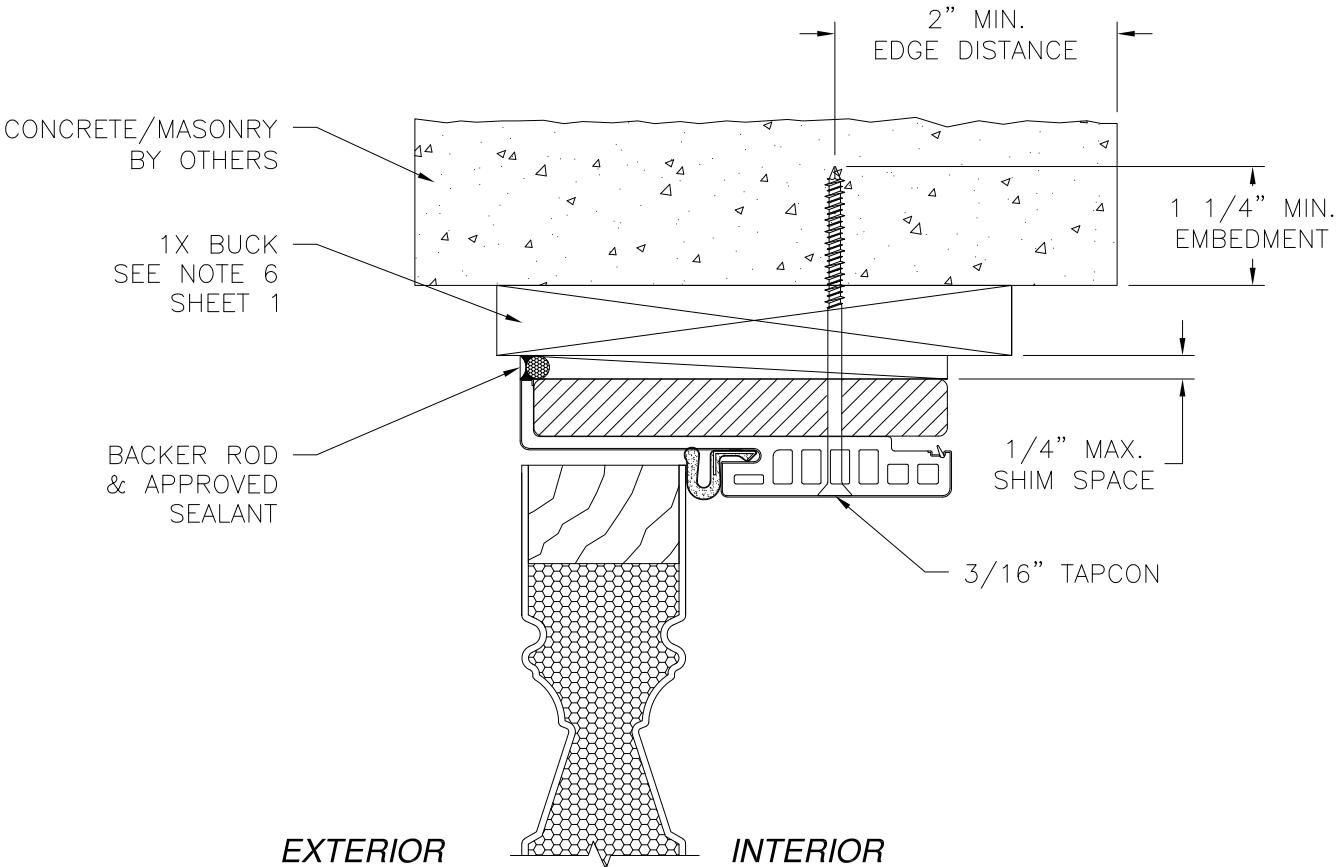
SIGNED: 11/02/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 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. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 23 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

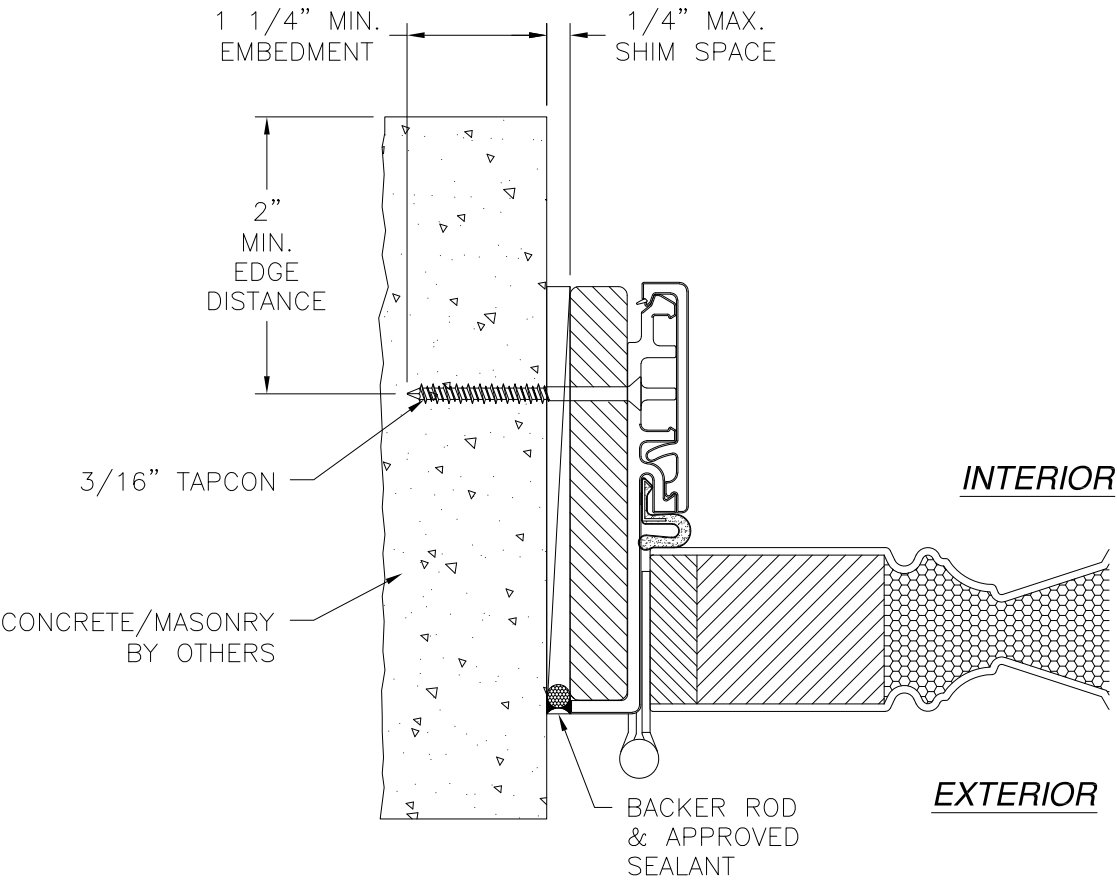


Luis R. Lomas P.E.
FL No.: 62514

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



VERTICAL CROSS SECTION
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:**
- 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

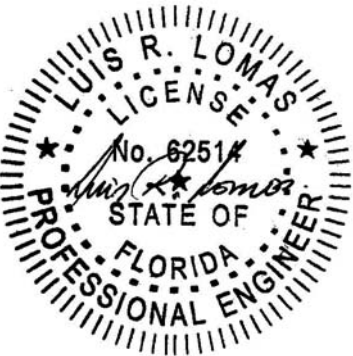
SIGNED: 11/02/2023

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

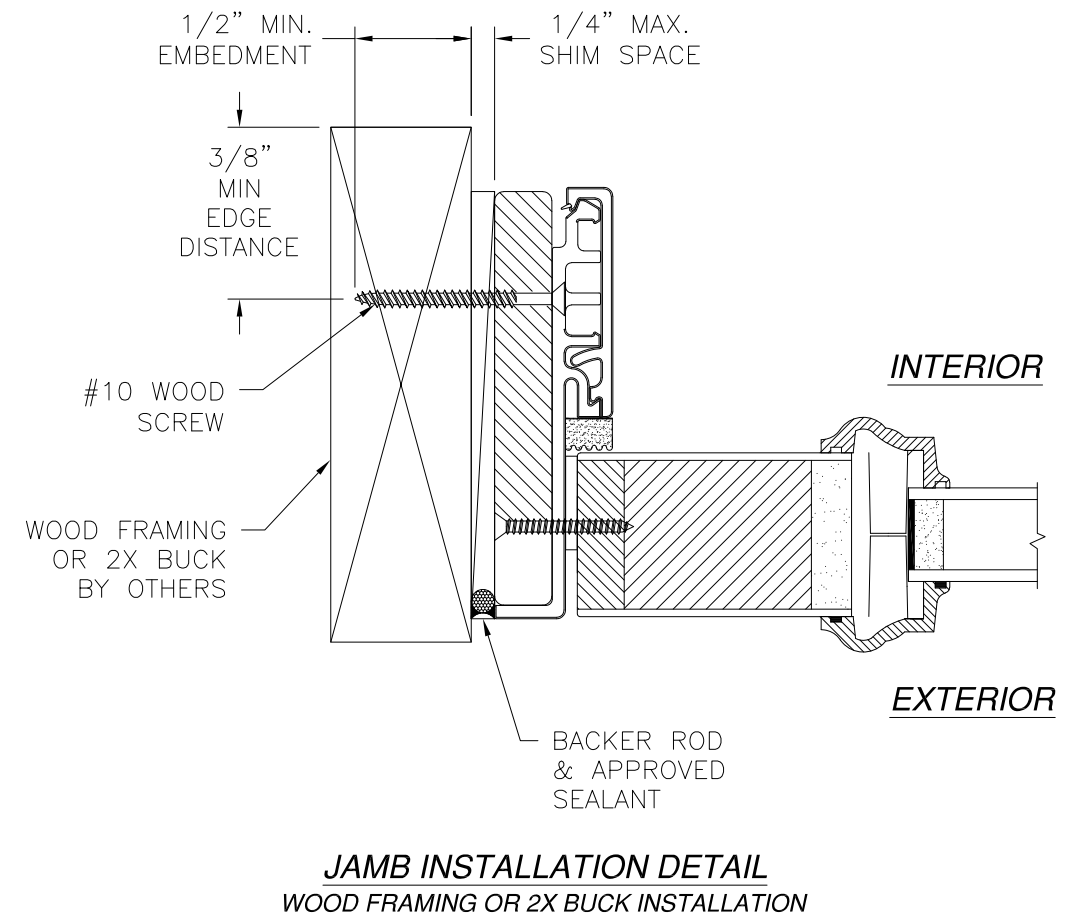
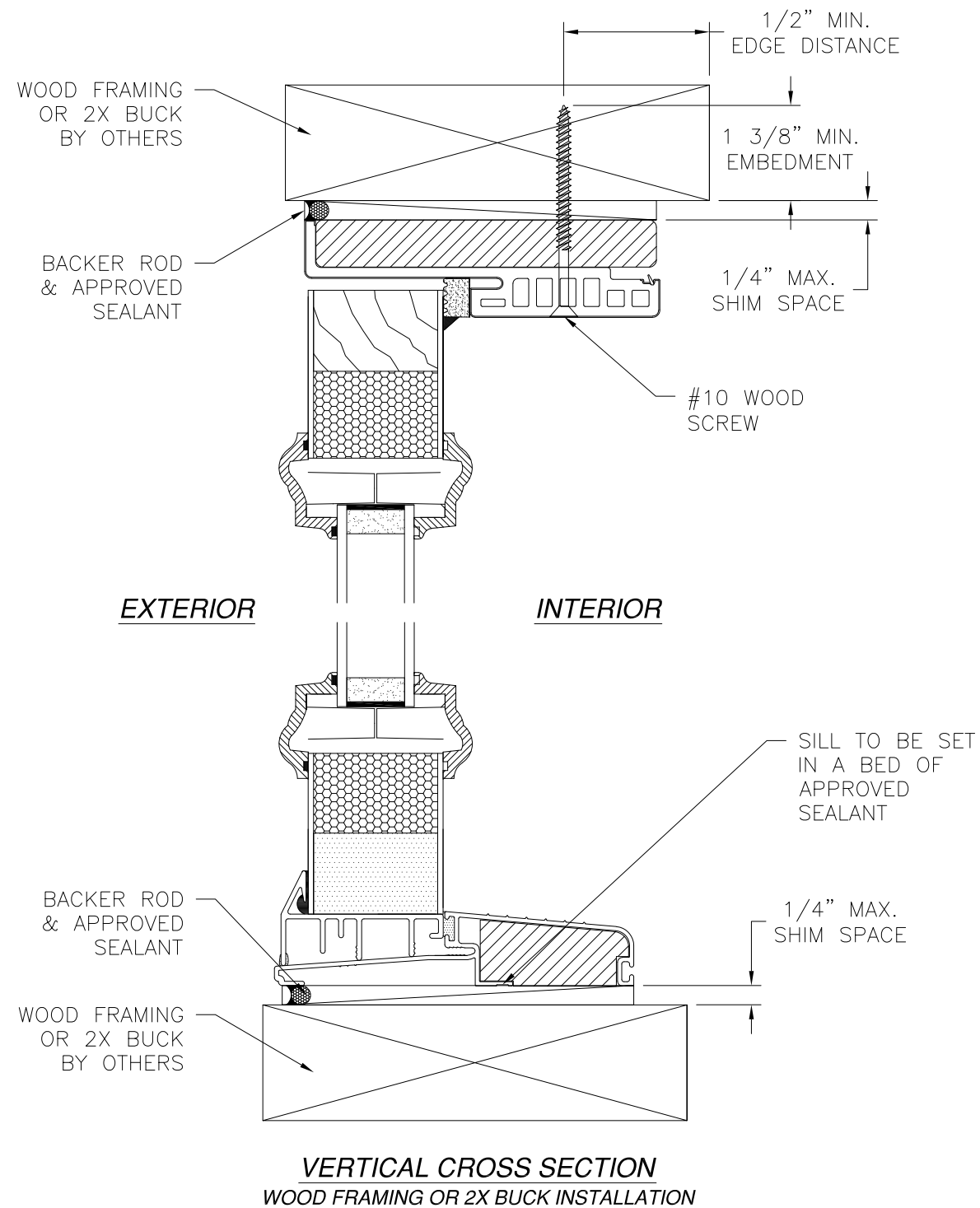
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
OS DOOR W/FUSION FRAME INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 24 OF 31

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

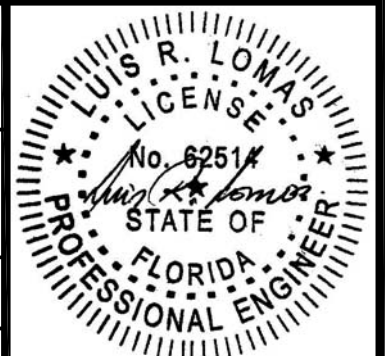


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FL No.: 62514



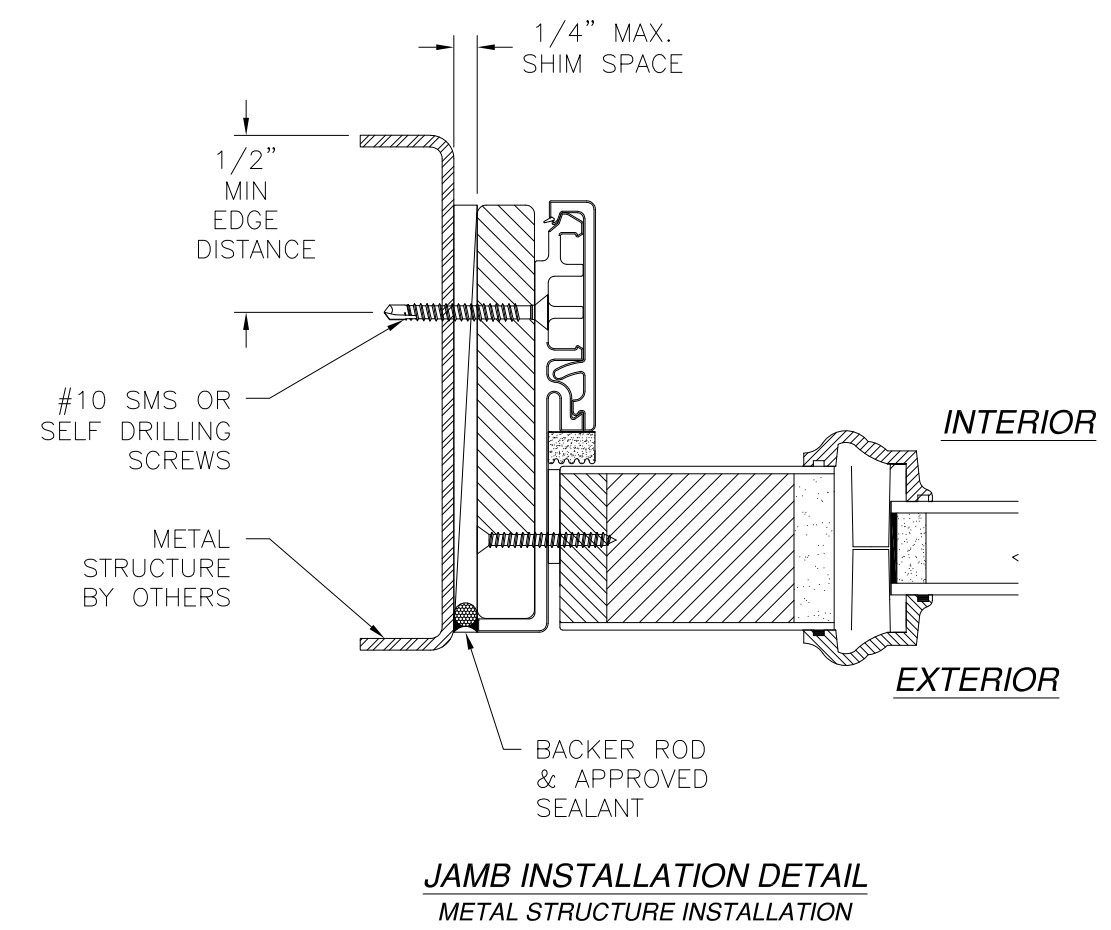
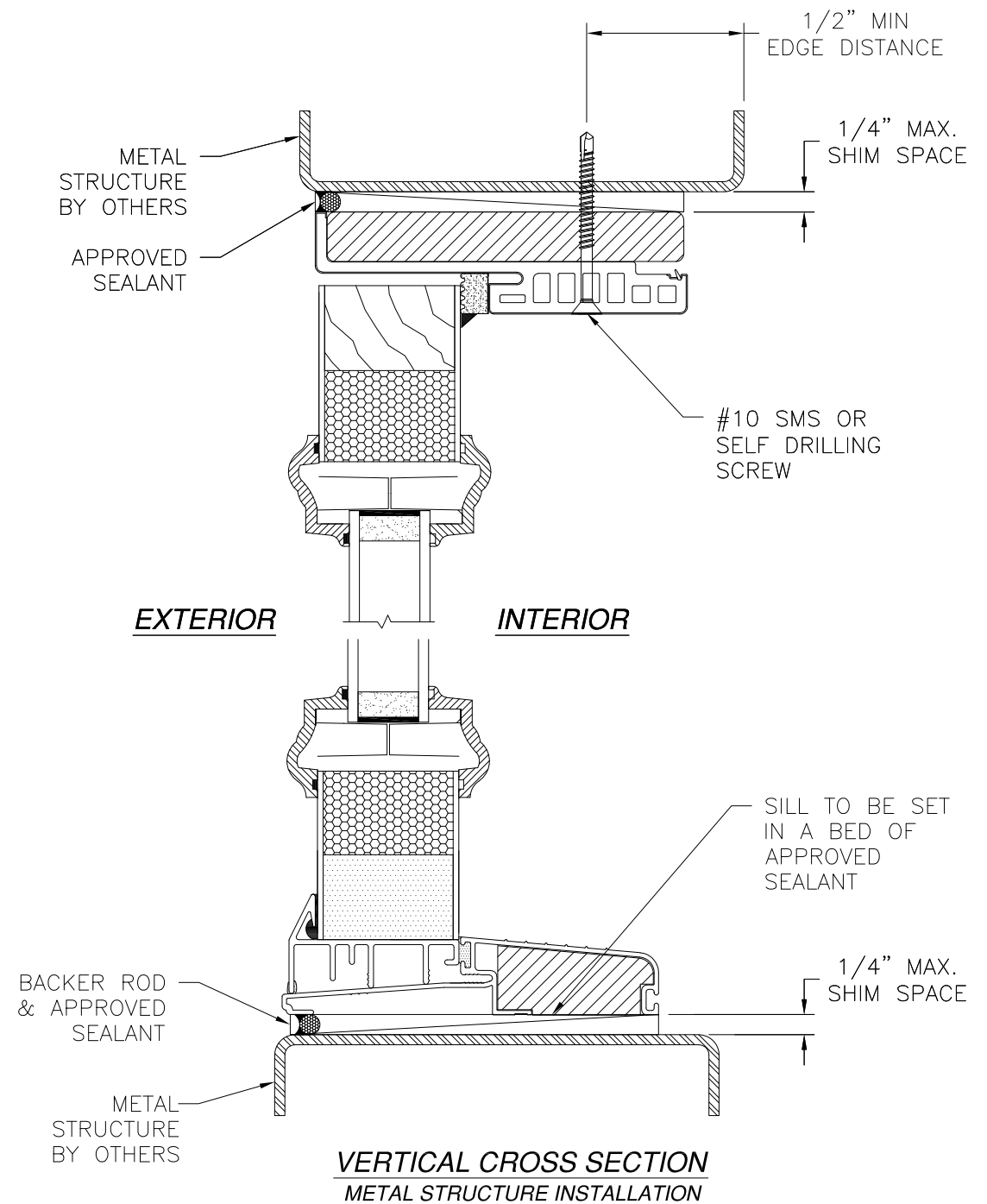
NOTES:
 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 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. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 25 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



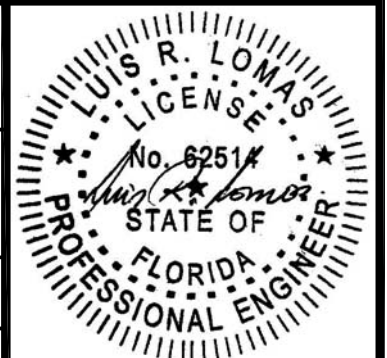
Luis R. Lomas P.E.
FL No.: 62514

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



NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS,
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2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE
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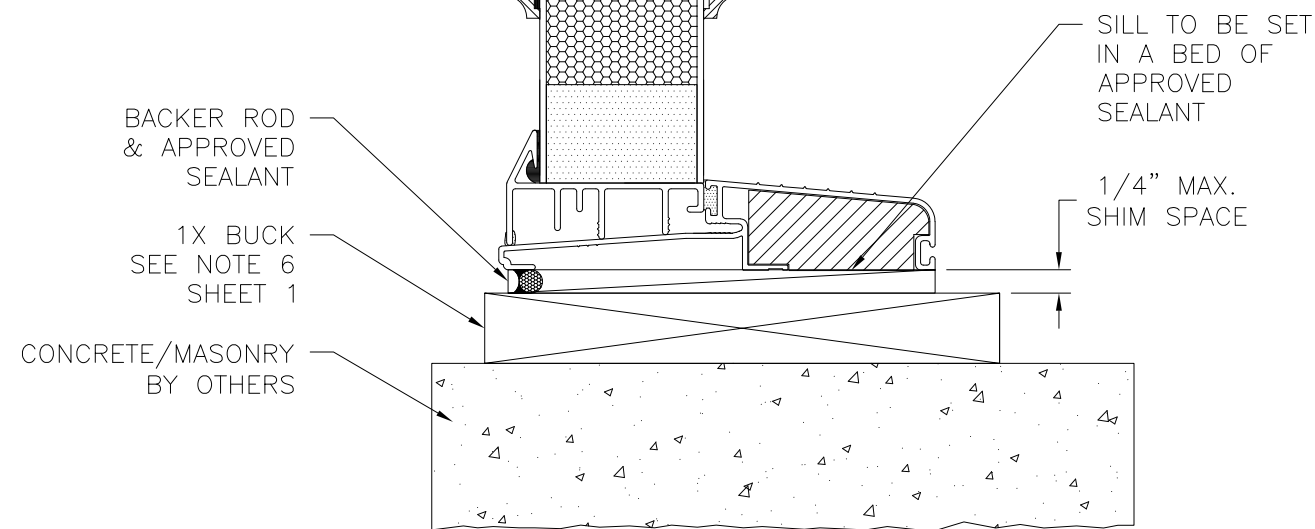
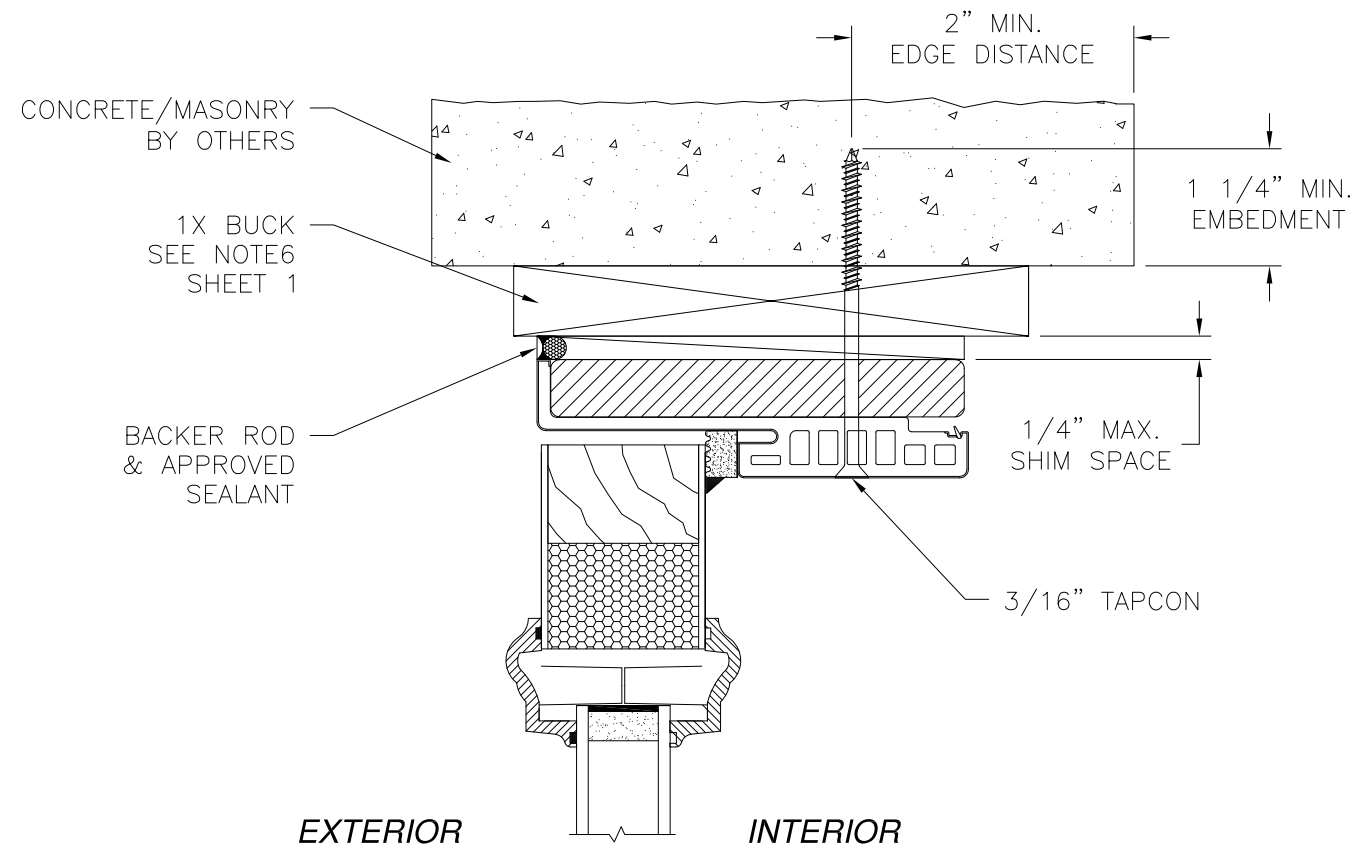
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS SIDELITE W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 26 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

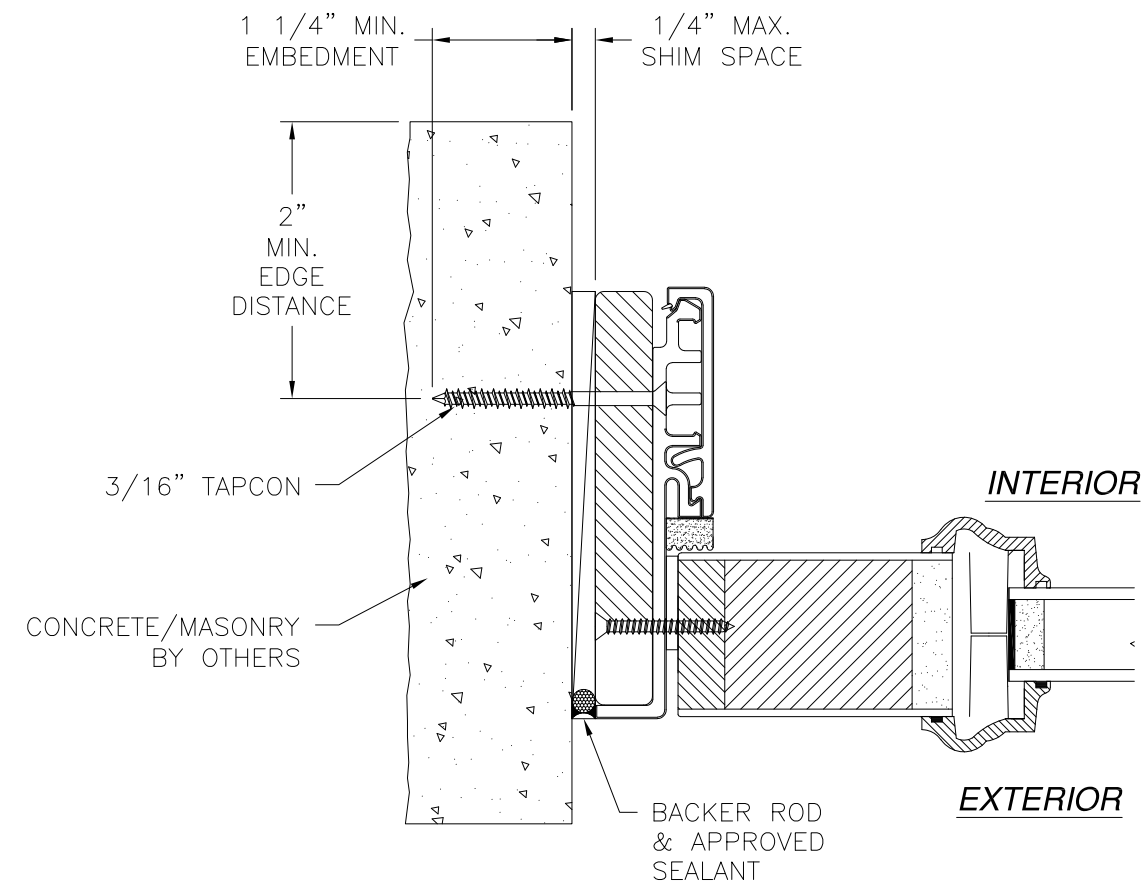
SIGNED: 11/02/2023

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

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

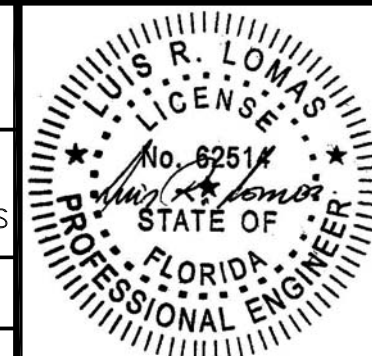


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

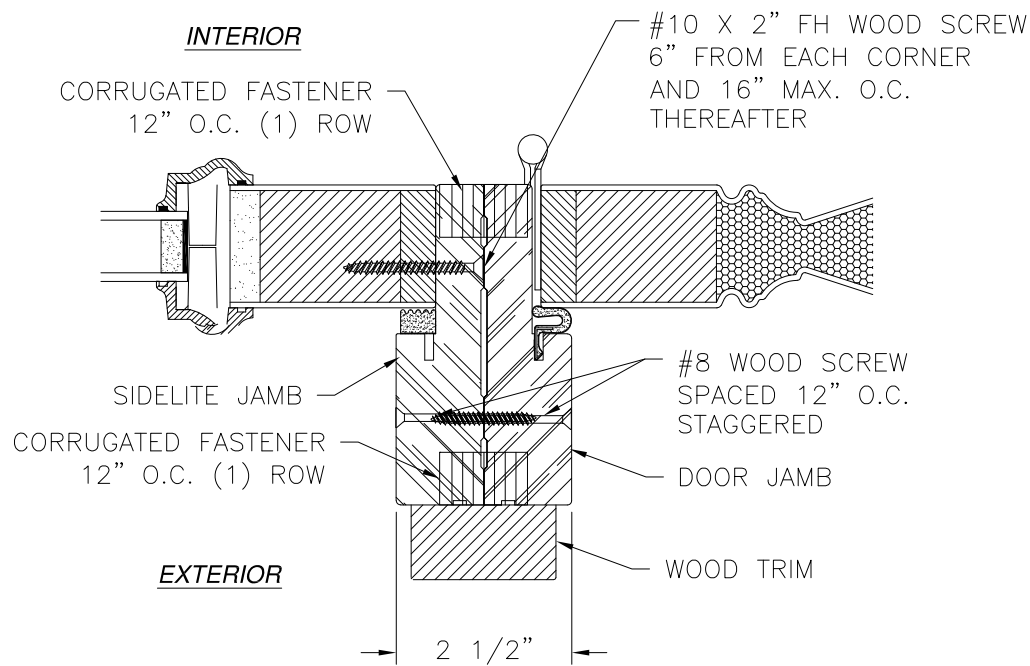
NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 11/02/2023

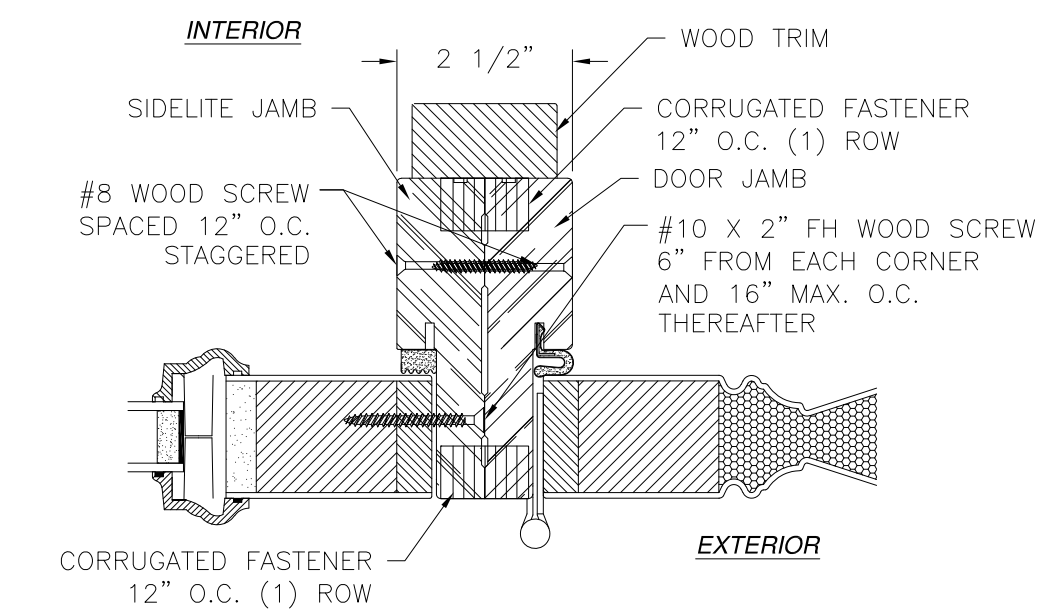
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES OS SIDELITE W/FUSION FRAME INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 27 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



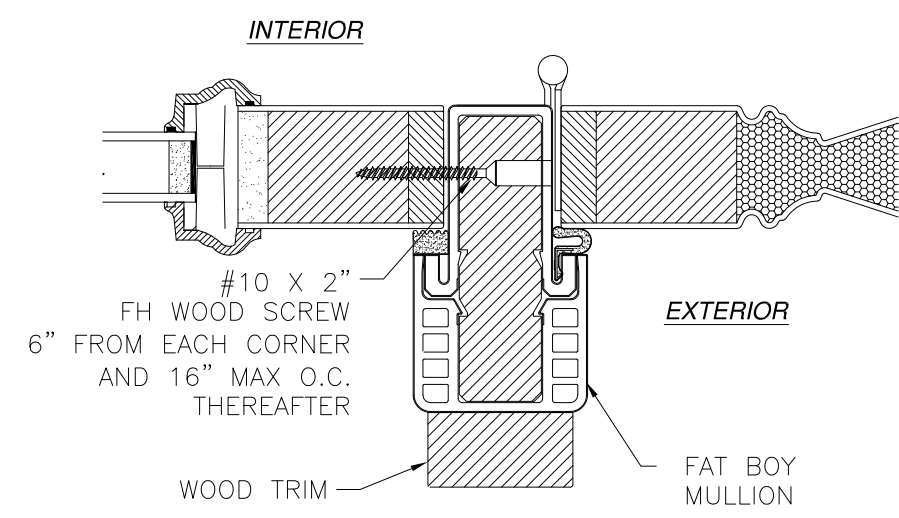
Luis R. Lomas P.E.
FL No.: 62514



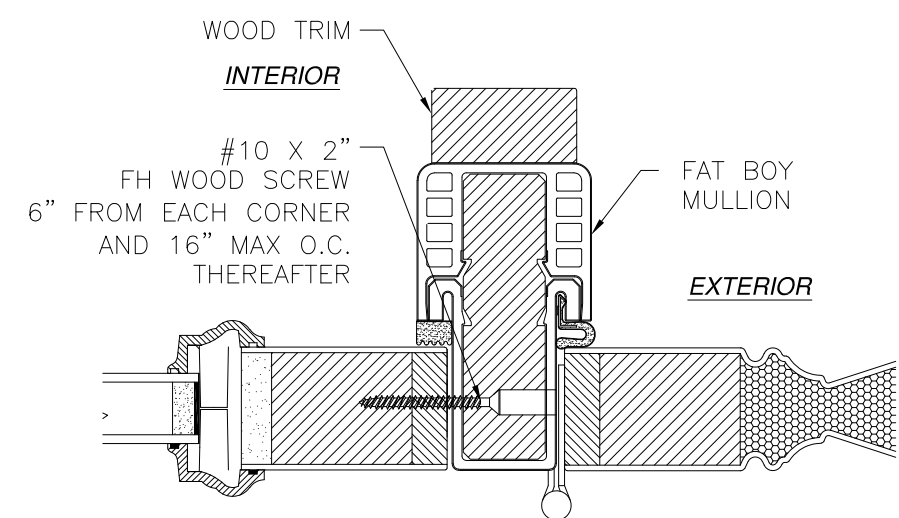
INSWING MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



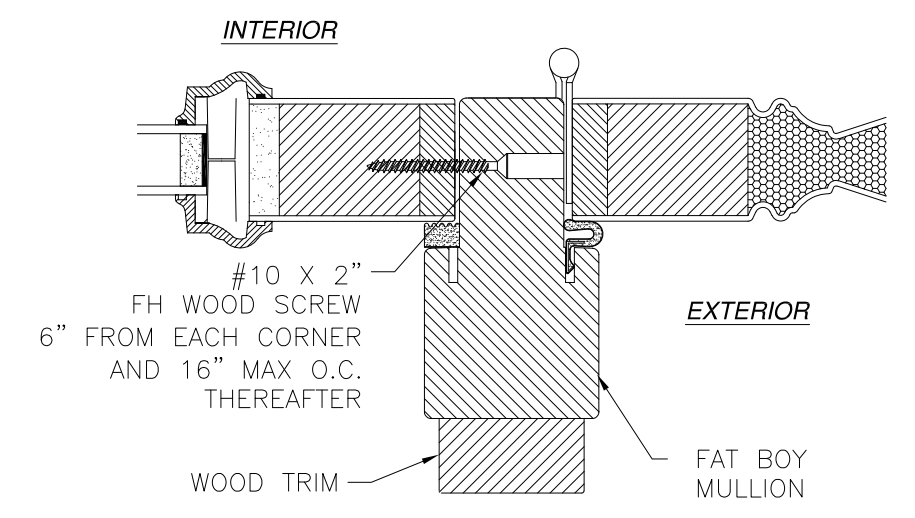
OUTSWING MULLION DETAIL
STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



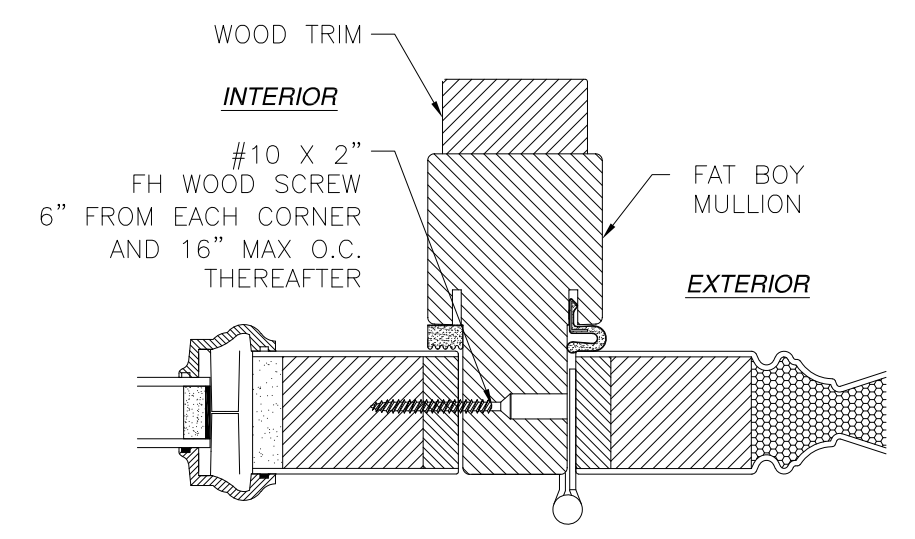
INSWING MULLION DETAIL
WITH HYBRID FAT BOY MULLION



OUTSWING MULLION DETAIL
WITH HYBRID FAT BOY MULLION



INSWING MULLION DETAIL
WITH FAT BOY MULLION



OUTSWING MULLION DETAIL
WITH FAT BOY MULLION

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

SIGNED: 11/02/2023

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

6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
MULLION INSTALLATION DETAILS

DRAWN:
V.L.

DWG NO.
08-01362

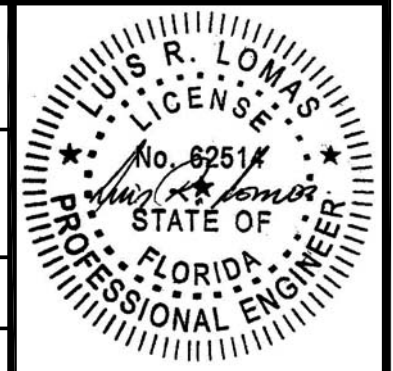
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SCALE
NTS

DATE
10/03/11

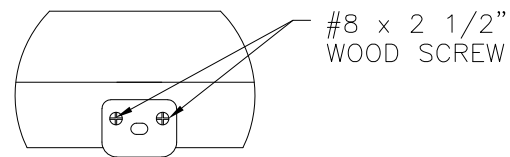
SHEET
28 OF 31

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

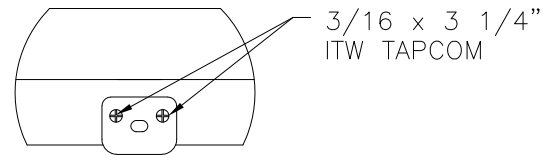


Luis R. Lomas P.E.
FL No.: 62514

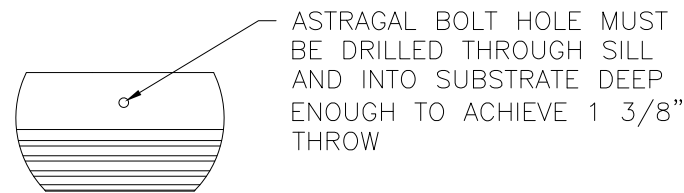
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REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



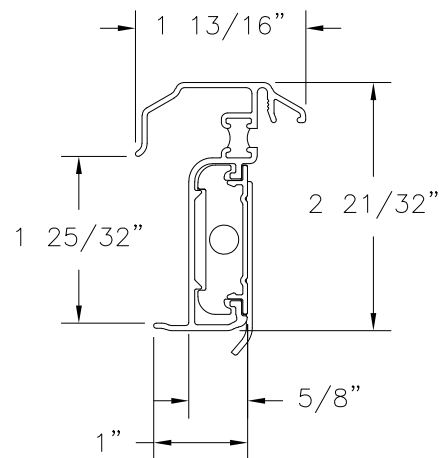
ASTRAGAL HEAD STRIKE DETAIL
2X BUCK/WOOD FRAMING



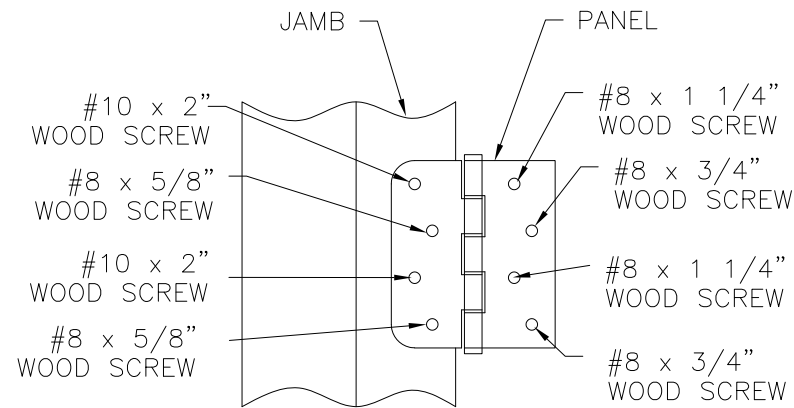
ASTRAGAL HEAD STRIKE DETAIL
MASONRY/CONCRETE



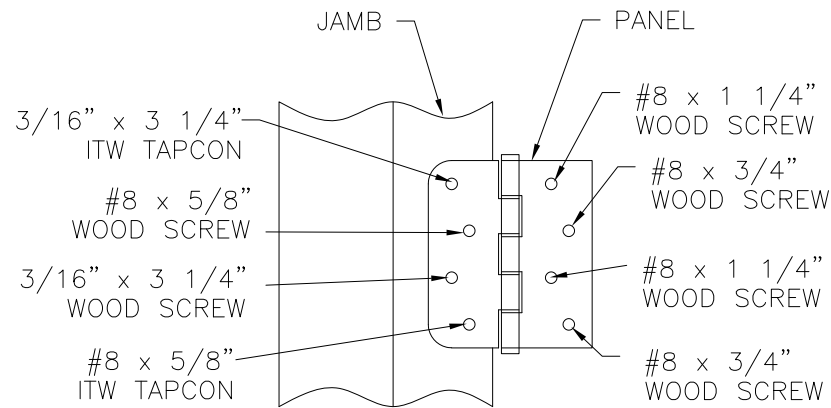
ASTRAGAL SILL DETAIL



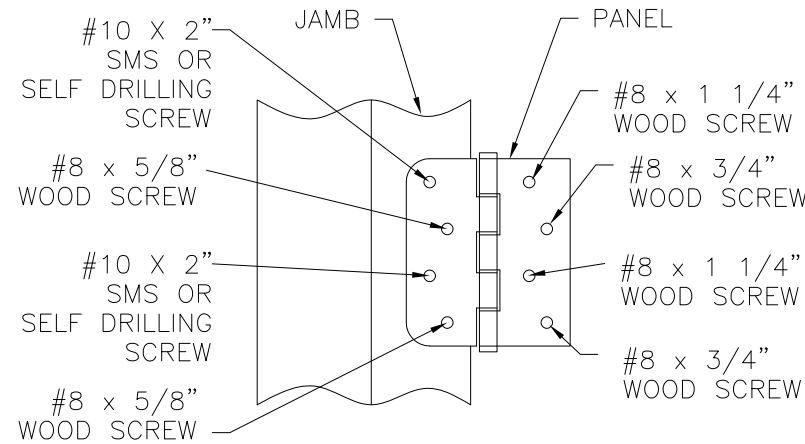
INSWING/OUTSWING
HURRICANE ASTRAGAL DETAIL



HINGE INSTALLATION DETAIL
2X BUCK/WOOD FRAMING



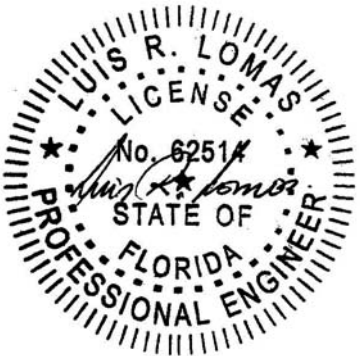
HINGE INSTALLATION DETAIL
MASONRY/CONCRETE



HINGE INSTALLATION DETAIL
METAL STRUCTURE

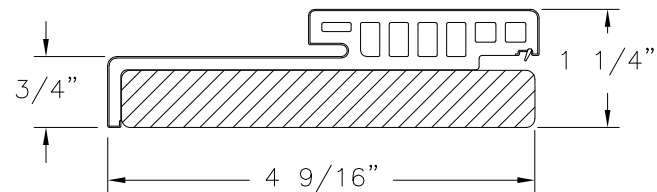
SIGNED: 11/02/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES ASTRAGAL AND HINGES INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 29 OF 31
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

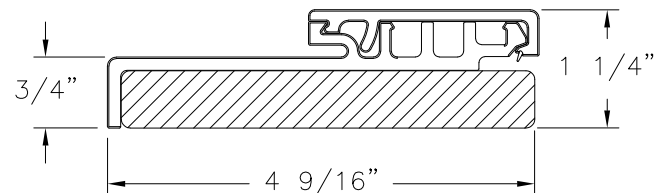


Luis R. Lomas P.E.
FL No.: 62514

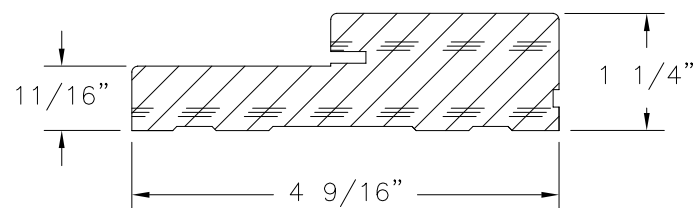
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



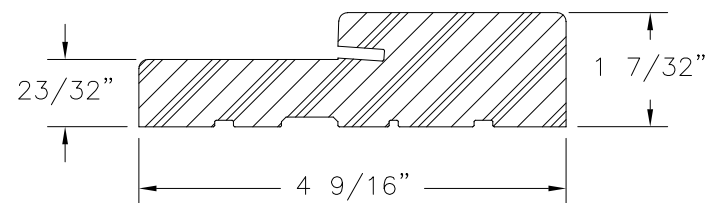
HYBRID HEAD
WOOD/COMPOSITE



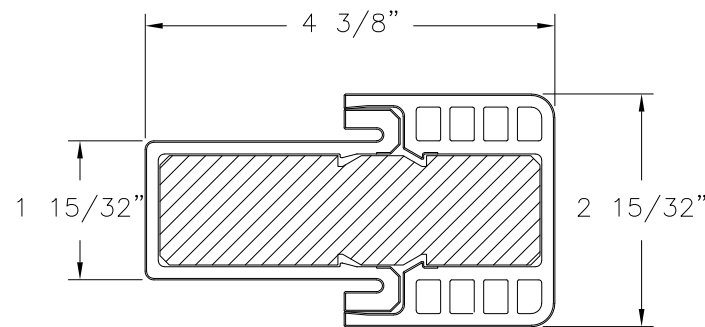
HYBRID JAMB
WOOD/COMPOSITE



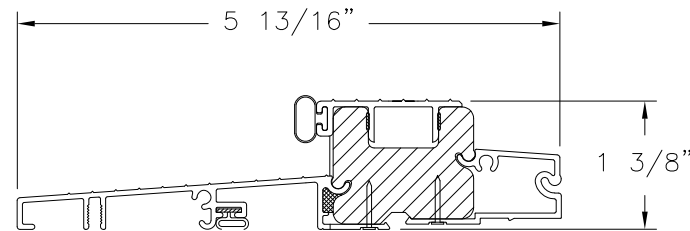
FRAME
WOOD G.46 MIN.



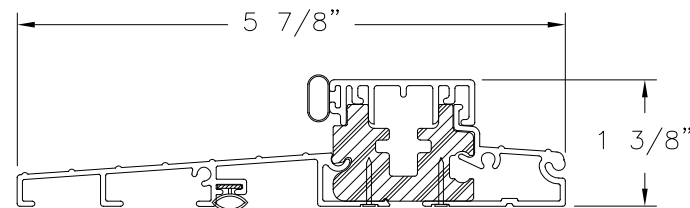
FRAMESAVER
COMPOSITE



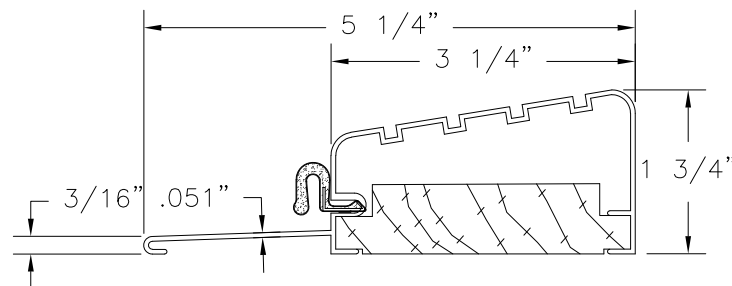
HYBRID FAT BOY MULLION
COMPOSITE



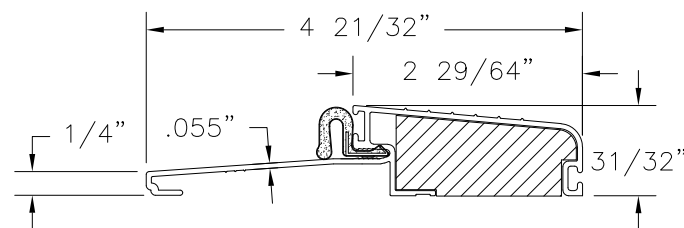
OUTSWING SILL



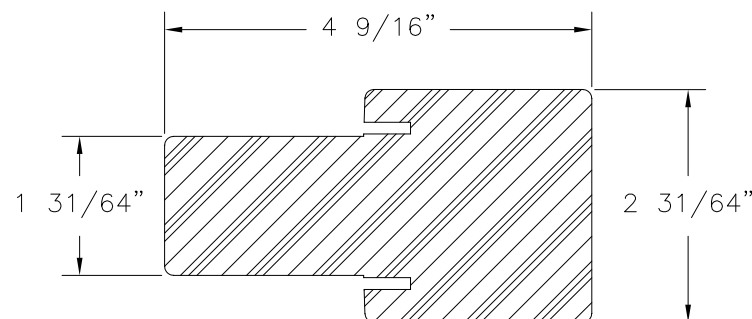
STANDARD OUTSWING SILL



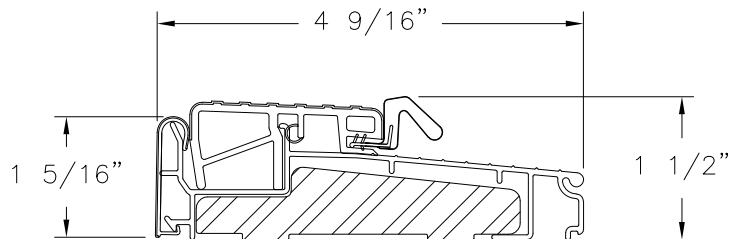
OUTSWING SILL



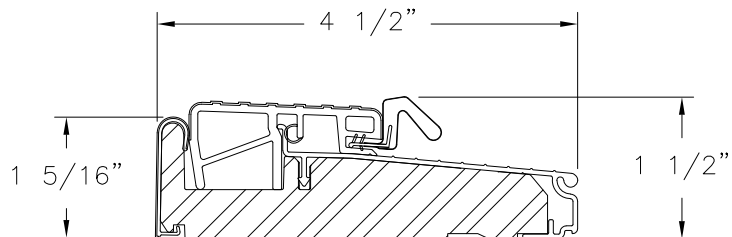
OUTSWING SILL



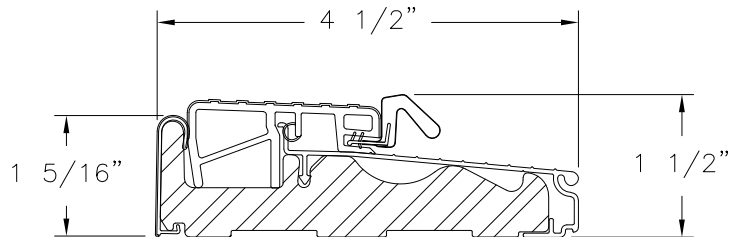
FAT BOY MULLION
COMPOSITE



OUTSWING SILL ZOBL4565



OUTSWING SILL ZOB4565F



OUTSWING SILL ZOBLH4565

SIGNED: 11/02/2023

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

6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR
LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES
COMPONENTS

DRAWN:
V.L.

DWG NO.
08-01362

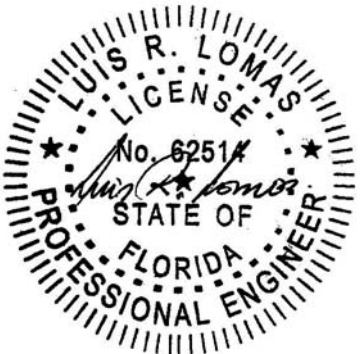
REV
F

SCALE NTS

DATE 10/03/11

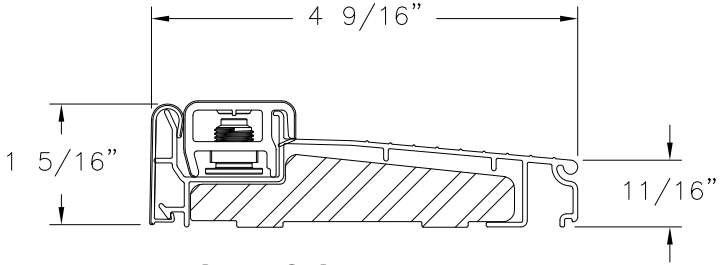
SHEET 30 OF 31

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

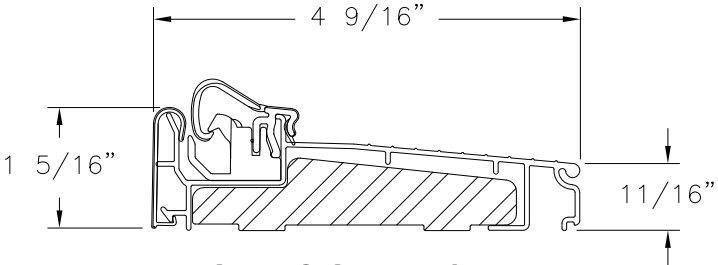


Luis R. Lomas P.E.
FL No.: 62514

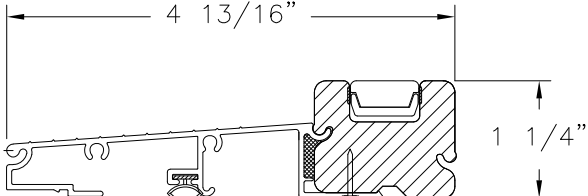
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	REVISE TO ADD PANOLOCK	11/02/2023	R.L.



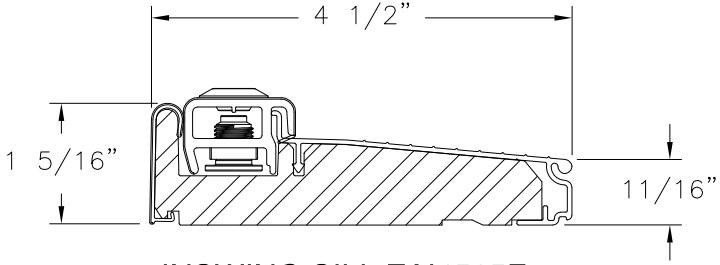
INSWING SILL ZAIL4565



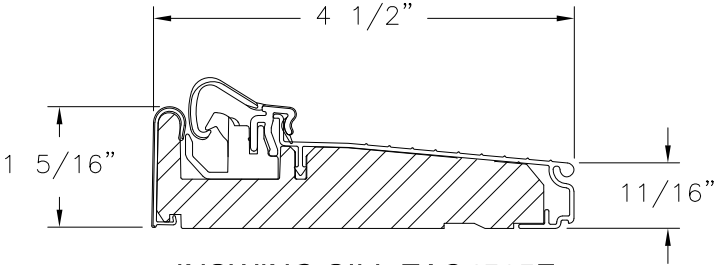
INSWING SILL ZACL4565



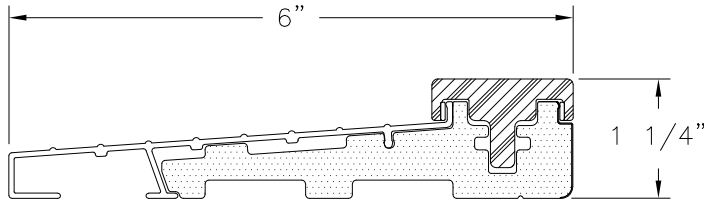
INSWING SILL



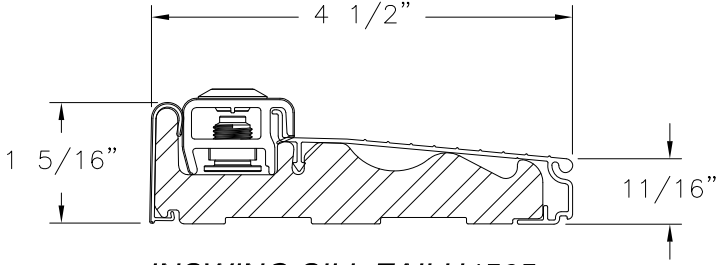
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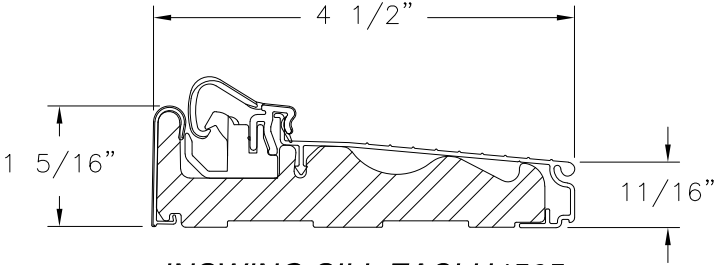
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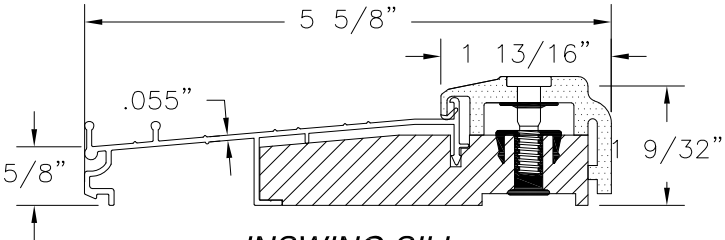
STANDARD INSWING SILL



INSWING SILL ZAILH4565



INSWING SILL ZACLH4565



INSWING SILL

SIGNED: 11/02/2023

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
6'8 HERITAGE FIBERGLASS OPAQUE IS/OS DOOR LARGE MISSILE IMPACT WITH OR WITHOUT SIDELITES COMPONENTS		
DRAWN: V.L.	DWG NO. 08-01362	REV F
SCALE NTS	DATE 10/03/11	SHEET 31 OF 31
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