

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED APPROVED CONFIGURATIONS	09/19/2022	R.L.

NOTES:

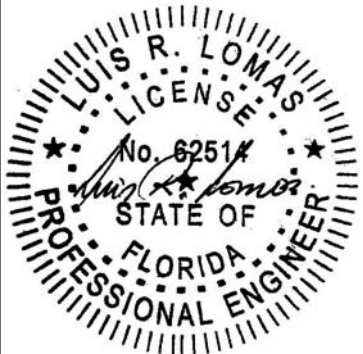
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER 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: EXTRUDED RIGID PVC.
11. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
13. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

14. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING 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. 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:
 - A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - C. MASONRY: GROUT FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM
17. APPROVED CONFIGURATIONS: OOX, XOO, OX, XO.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3	APPROVED CONFIGURATIONS
4 - 9	INSTALLATION DETAILS
10	COMPONENTS

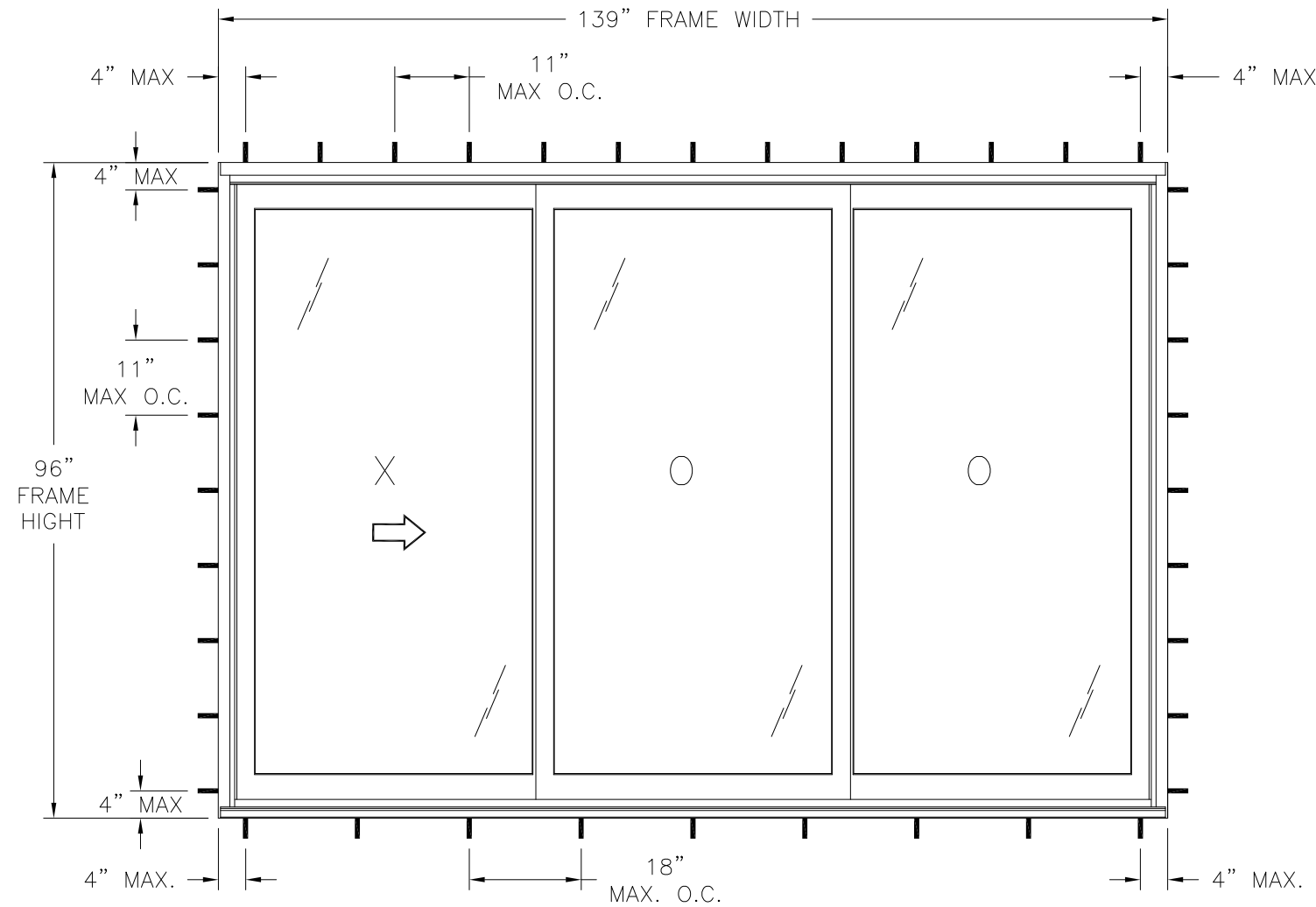
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 1615/1617 PVC SLIDING GLASS DOOR NON-IMPACT NOTES		
DRAWN: A.R.	DWG NO. 08-03687	REV A
SCALE NTS	DATE 02/09/21	SHEET 1 OF 10
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/19/2022



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED APPROVED CONFIGURATIONS	09/19/2022	R.L.



SERIES 1615/1617 PVC SLIDING GLASS DOOR NON - IMPACT
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
<i>±50.0PSF</i>	<i>NONE</i>

47 3/4" X 91 1/8" PANELS SHOWN. OTHER PANEL SIZES ARE APPROVED AS LONG AS
INDIVIDUAL PANEL AREA DOES NOT EXCEED 30.2 FT² AND USES VERTICAL
CONDITIONS AS SHOWN HEREIN.

- NOTES:
- 1. PANEL SIZE: 47 3/4" x 91 1/8"
 - 2. D.L.O.: 40 3/4" X 84 3/4"

HARDWARE SCHEDULE	
A.	(1) ONE POINT LOCK WITH HANDLE AND KEEPER AT OPERABLE PANEL LOCK STILE, 37 5/8" FROM BOTTOM RAIL
B.	(2) ROLLER ASSEMBLY AT OPERABLE PANEL BOTTOM RAIL, 4" FROM EACH STILE
C.	(4) ROLLERS WITH SPRINGS AT BOTTOM OF EACH SCREEN STILE
D.	(1) SCREEN LOCK WITH KEEPER AT SCREEN LOCK STILE, 38" FROM BOTTOM RAIL
E.	(1) PANEL STOPPER AT MIDSPAN ALONG THE HEAD
F.	(1) PANEL HEAD SCREEN STOPPER AT MIDSPAN ALONG THE HEAD
G.	STEEL REINFORCEMENT (9598) AT OPERABLE PANEL KEEPER STILE
H.	STEEL REINFORCEMENT (9599) AT MEETING STILE OF ALL PANELS

MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 1615/1617 PVC SLIDING GLASS DOOR
NON-IMPACT
ELEVATION

DRAWN:
A.R.

DWG NO.
08-03687

REV
A

SCALE NTS

DATE 02/09/21

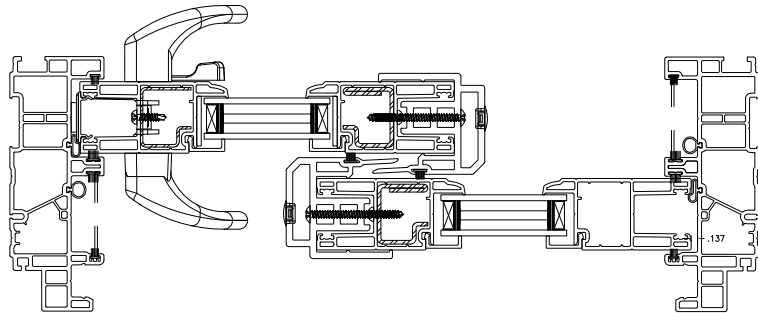
SHEET 2 OF 10

L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

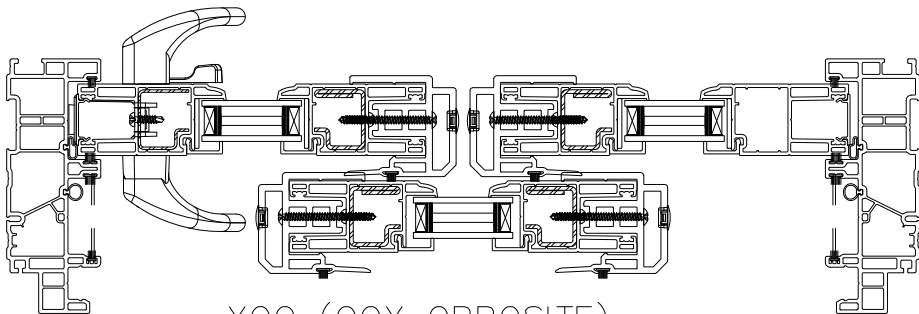
SIGNED: 10/19/2022

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED APPROVED CONFIGURATIONS	09/19/2022	R.L.



XO (OX OPPOSITE)



XOO (OOX OPPOSITE)

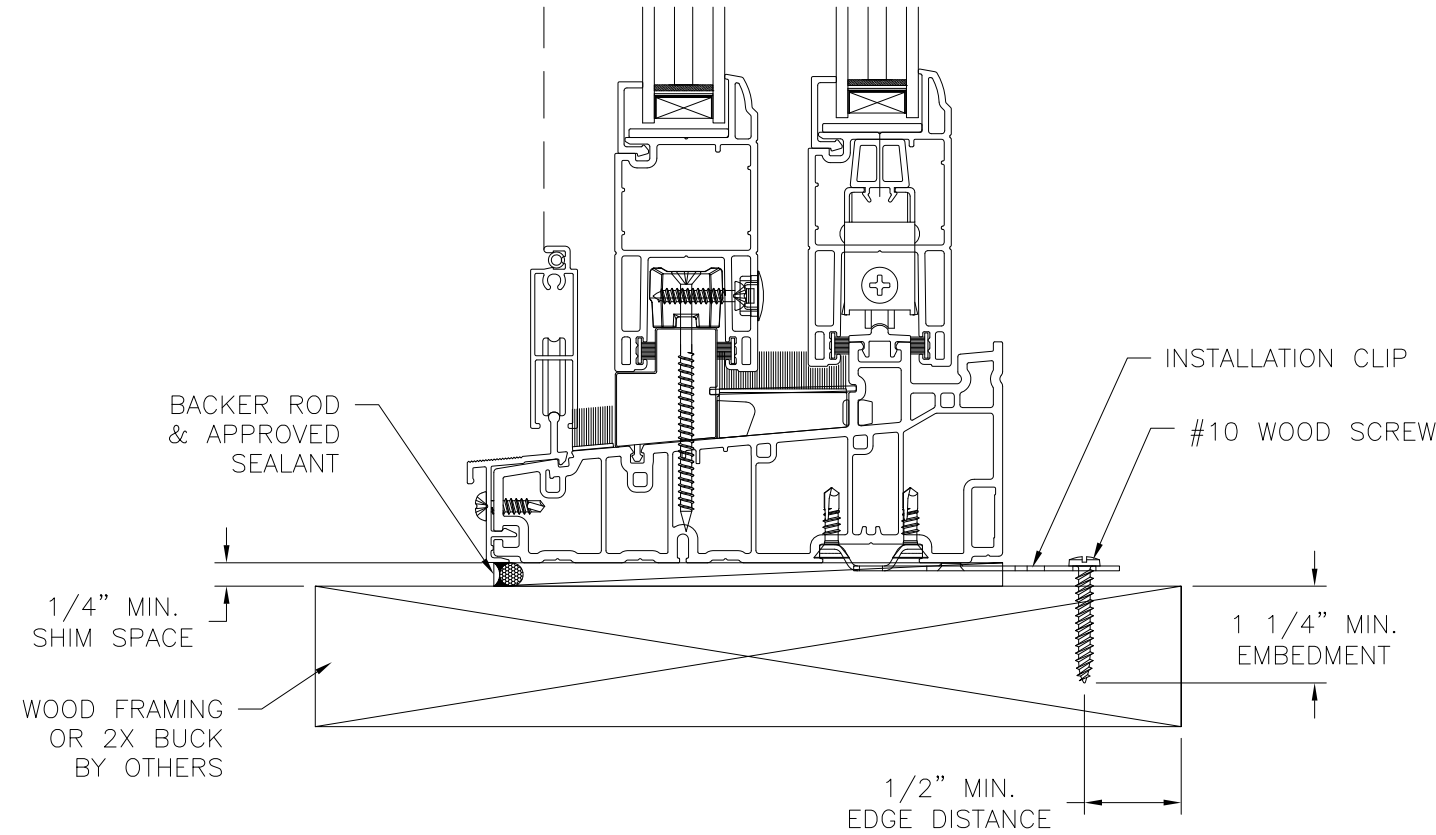
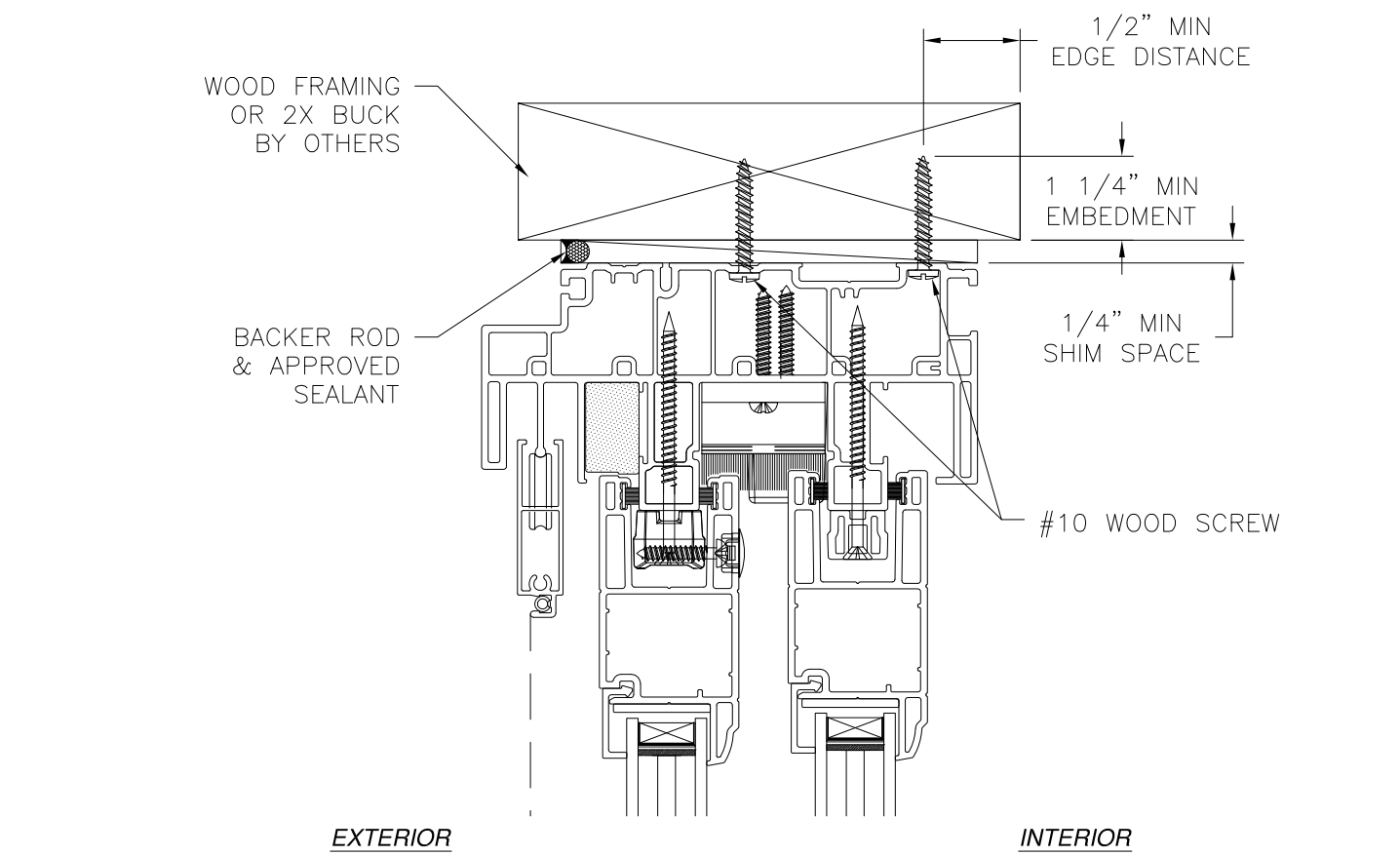
LAYOUTS SHOWN AS REFERENCE ONLY.
PANELS MAY BE MIXED & MATCHED AS
NECESSARY

SIGNED: 10/19/2022

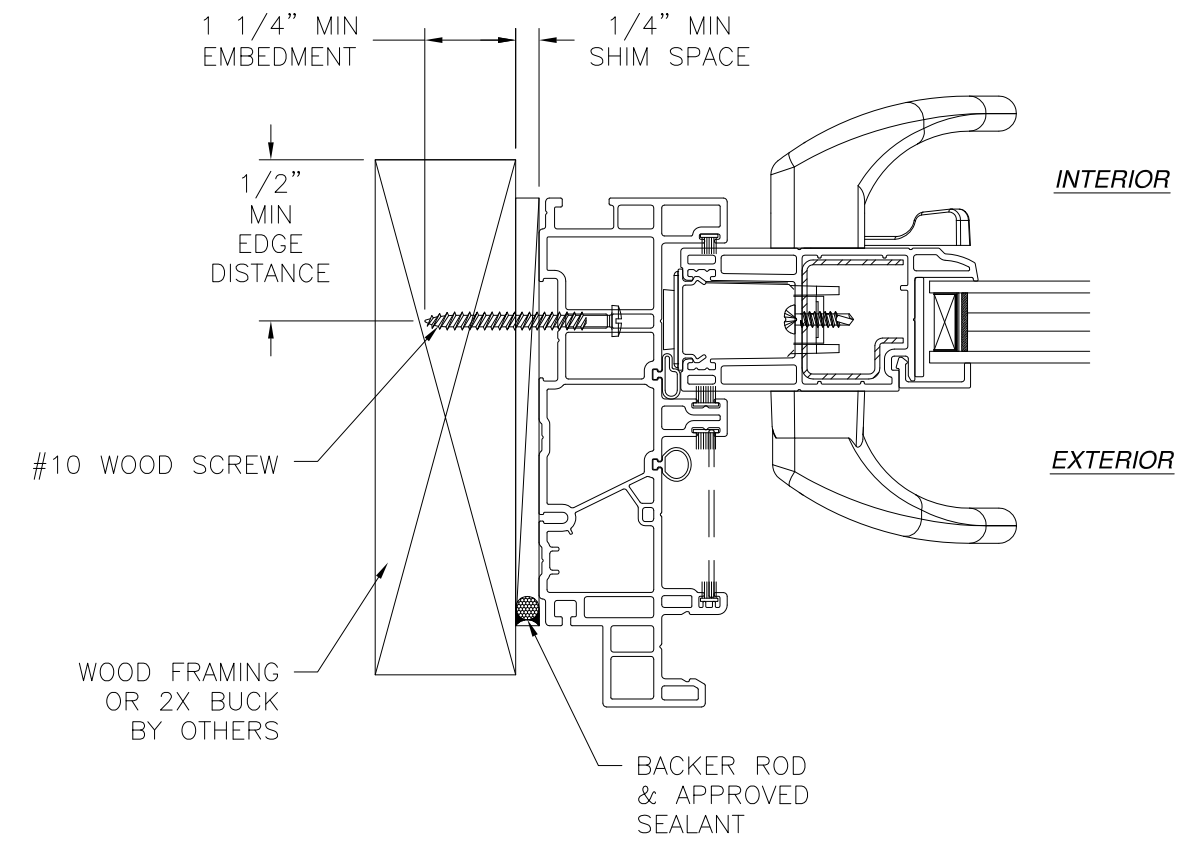
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 1615/1617 PVC SLIDING GLASS DOOR NON-IMPACT APPROVED CONFIGURATIONS		
DRAWN: A.R.	DWG NO. 08-03687	REV A
SCALE NTS	DATE 02/09/21	SHEET 3 OF 10
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED APPROVED CONFIGURATIONS	09/19/2022	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

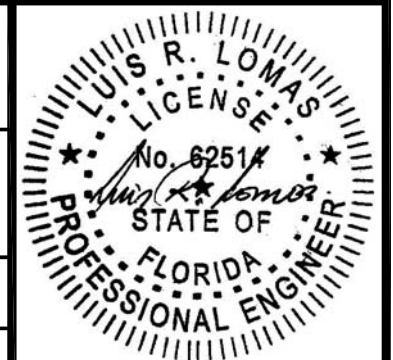


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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

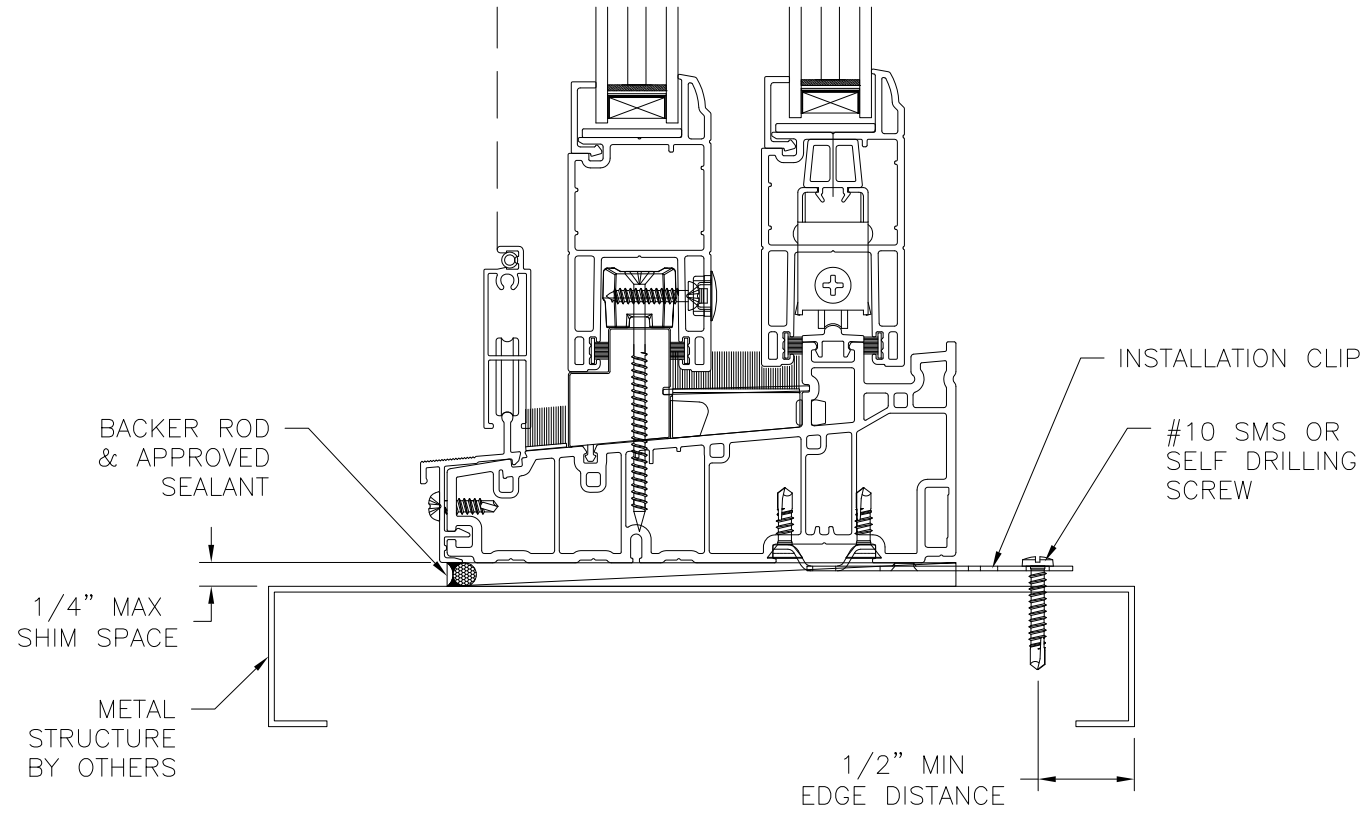
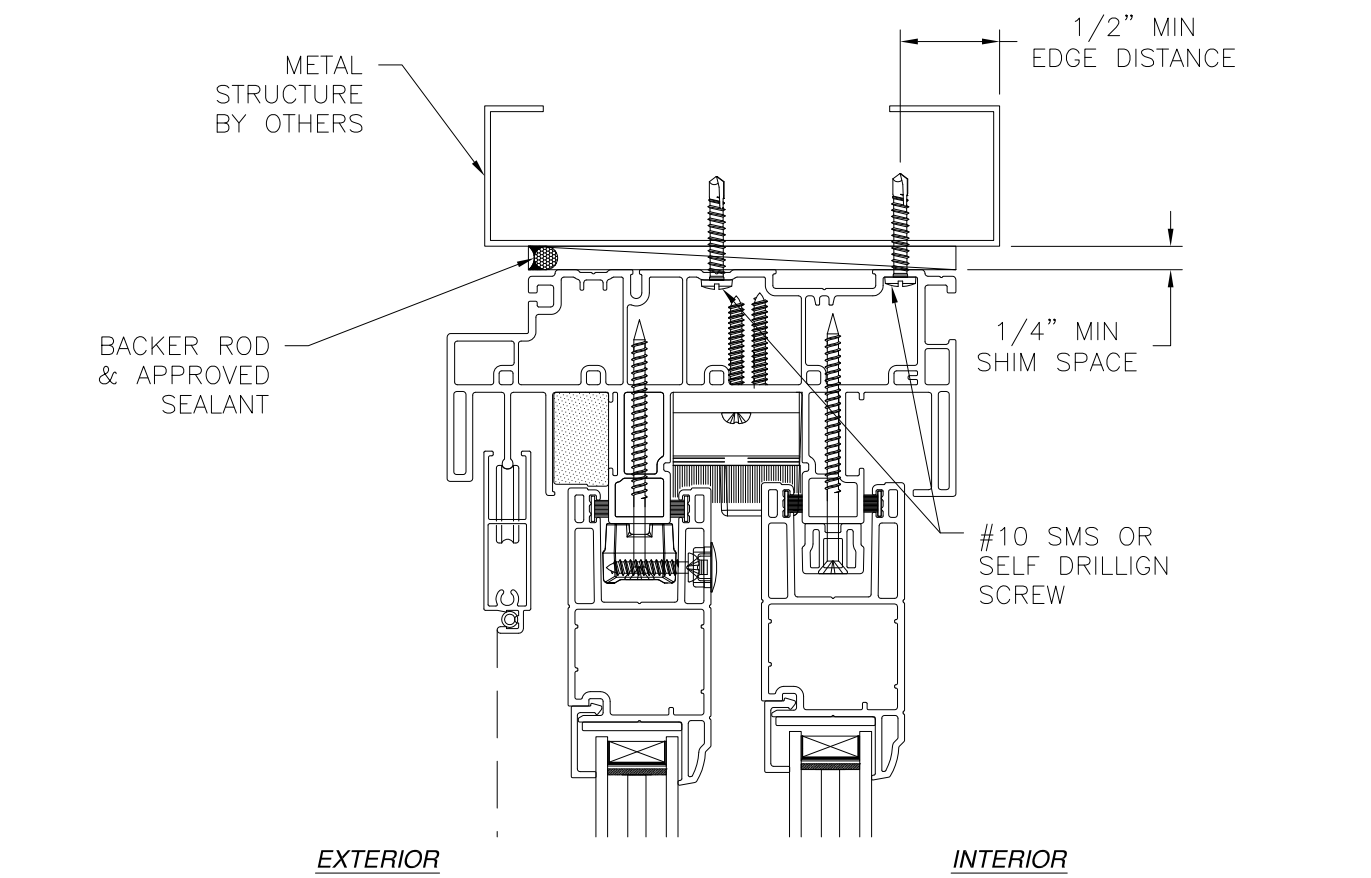
SIGNED: 10/19/2022

MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 1615/1617 PVC SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03687	REV A
SCALE NTS	DATE 02/09/21	SHEET 4 OF 10
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

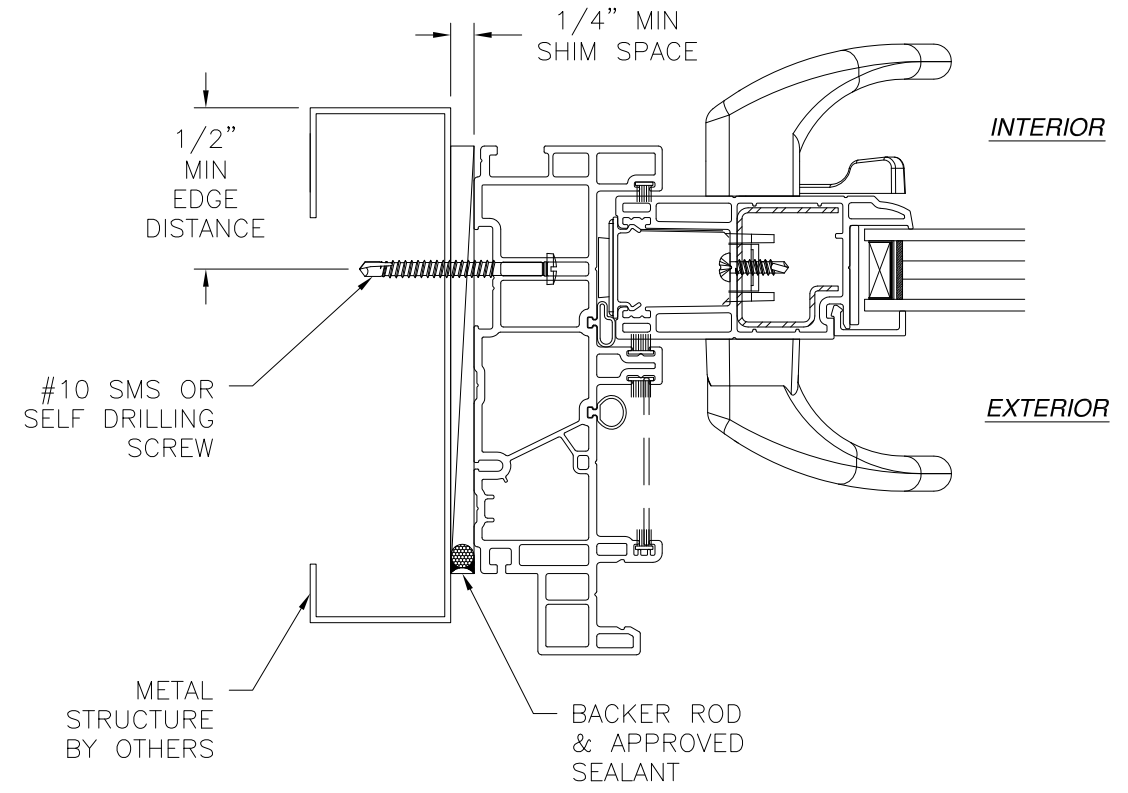


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED APPROVED CONFIGURATIONS	09/19/2022	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

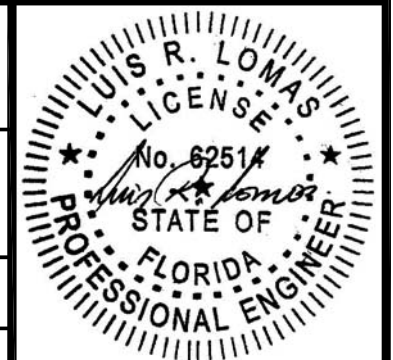


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

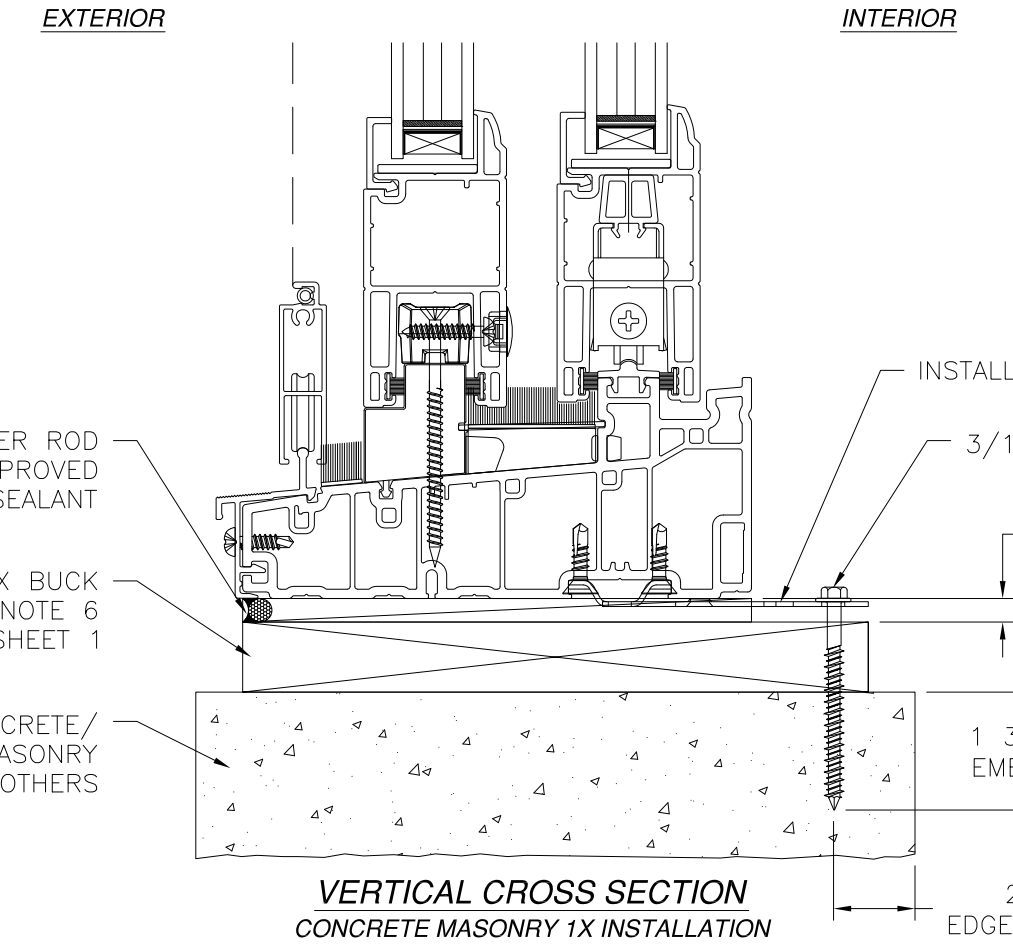
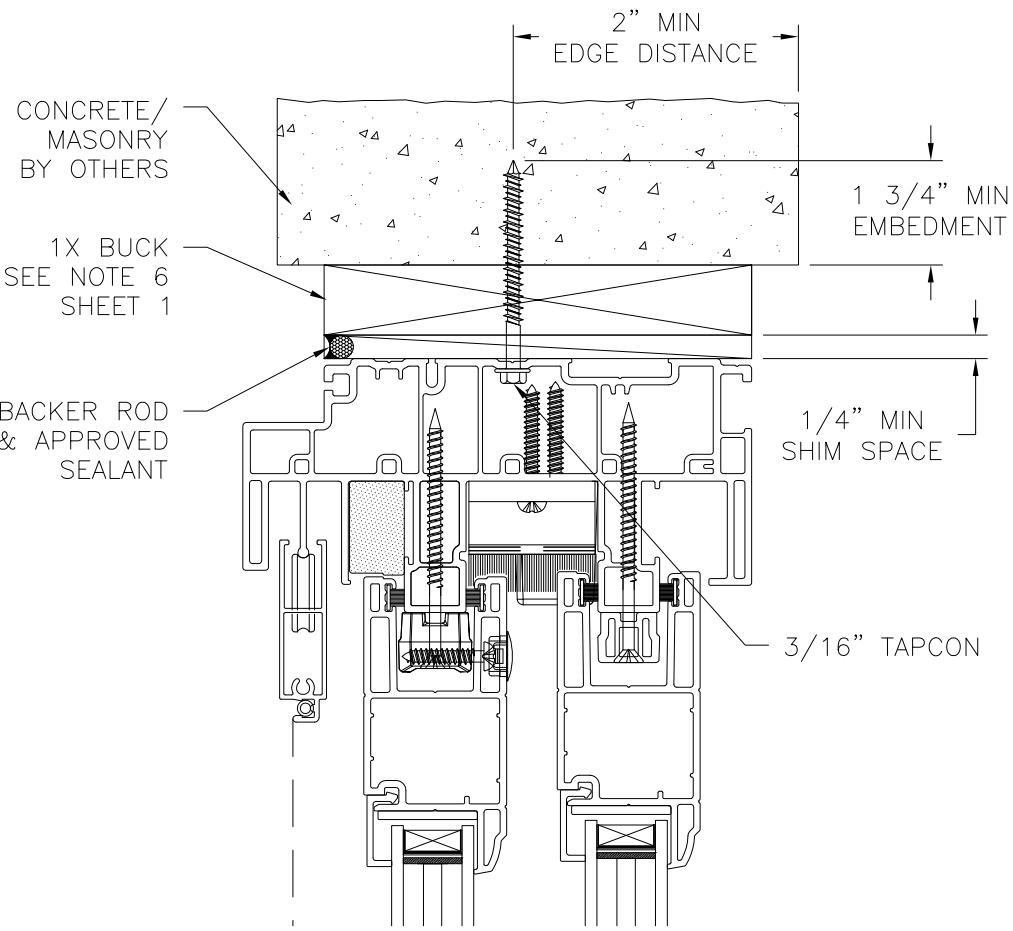
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 10/19/2022

MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 1615/1617 PVC SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03687	REV A
SCALE NTS	DATE 02/09/21	SHEET 5 OF 10
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

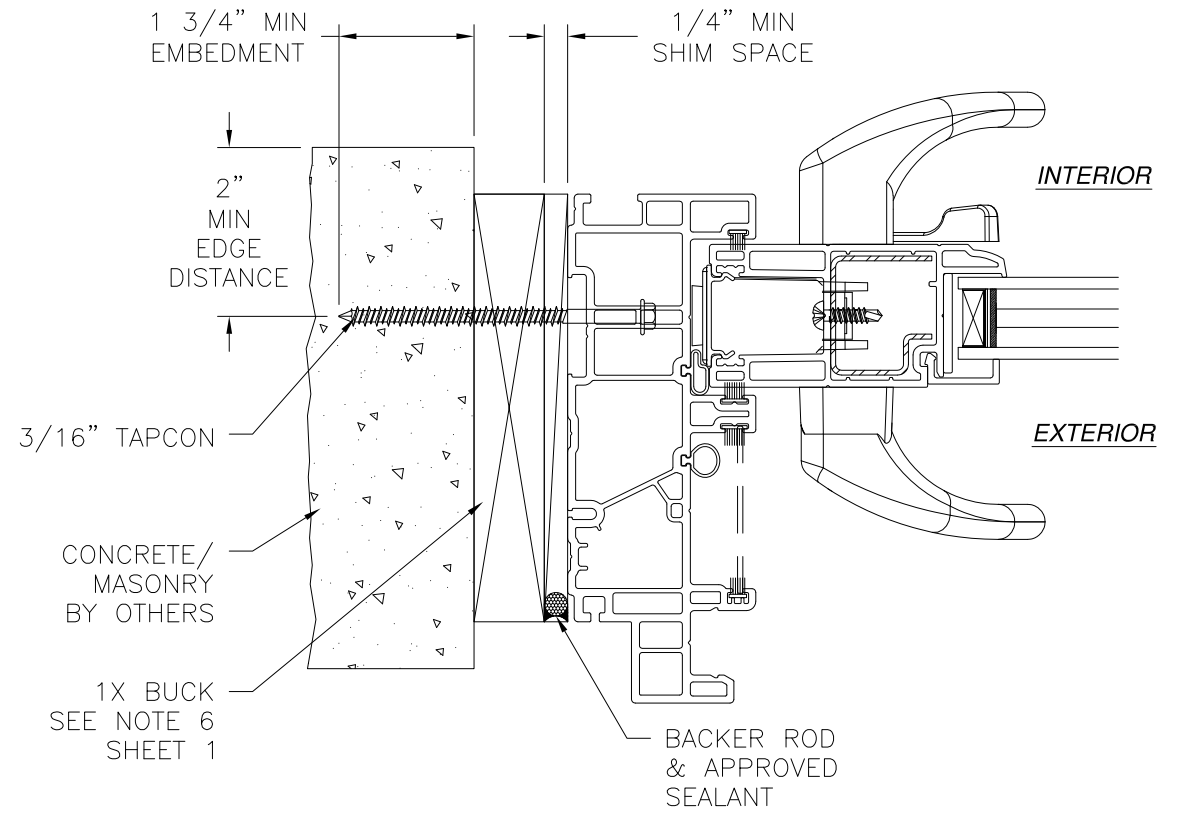


Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
CONCRETE MASONRY 1X INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED APPROVED CONFIGURATIONS	09/19/2022	R.L.

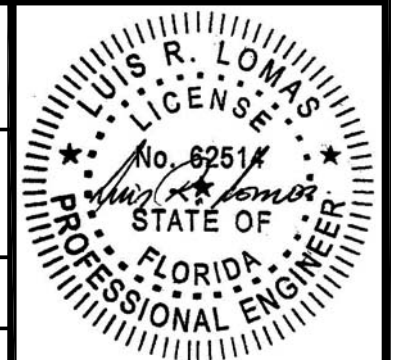


JAMB INSTALLATION DETAIL
CONCRETE MASONRY 1X INSTALLATION

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

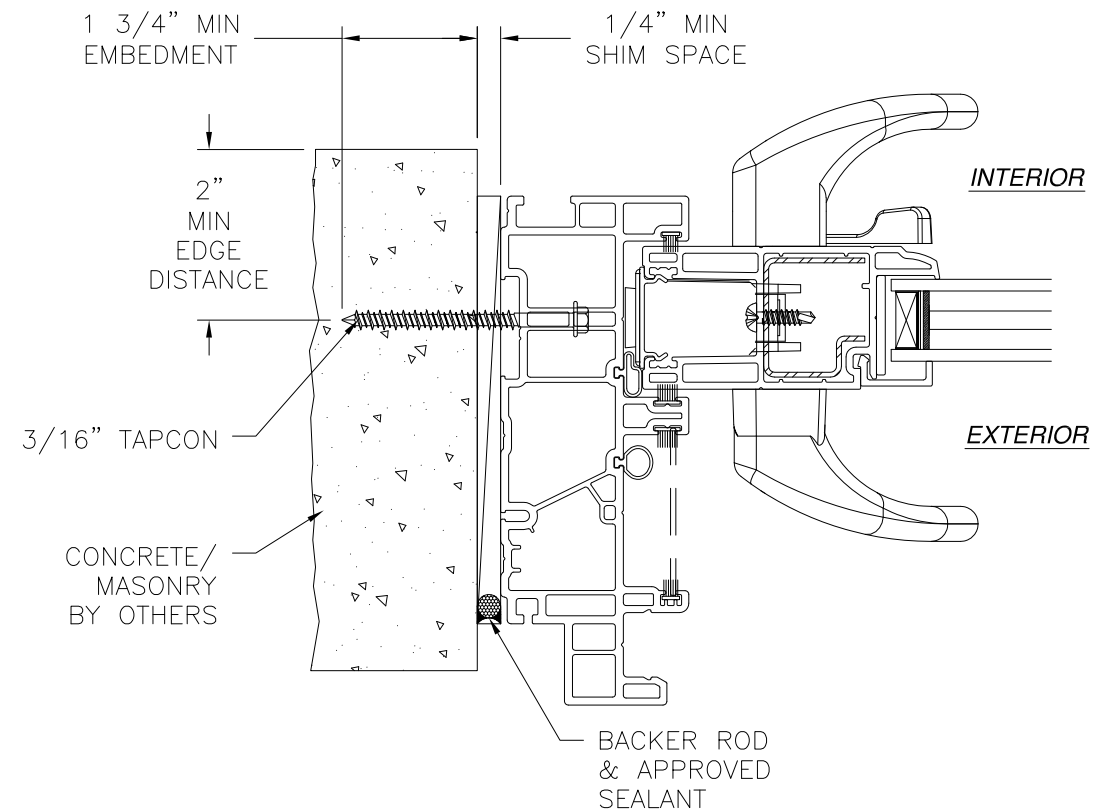
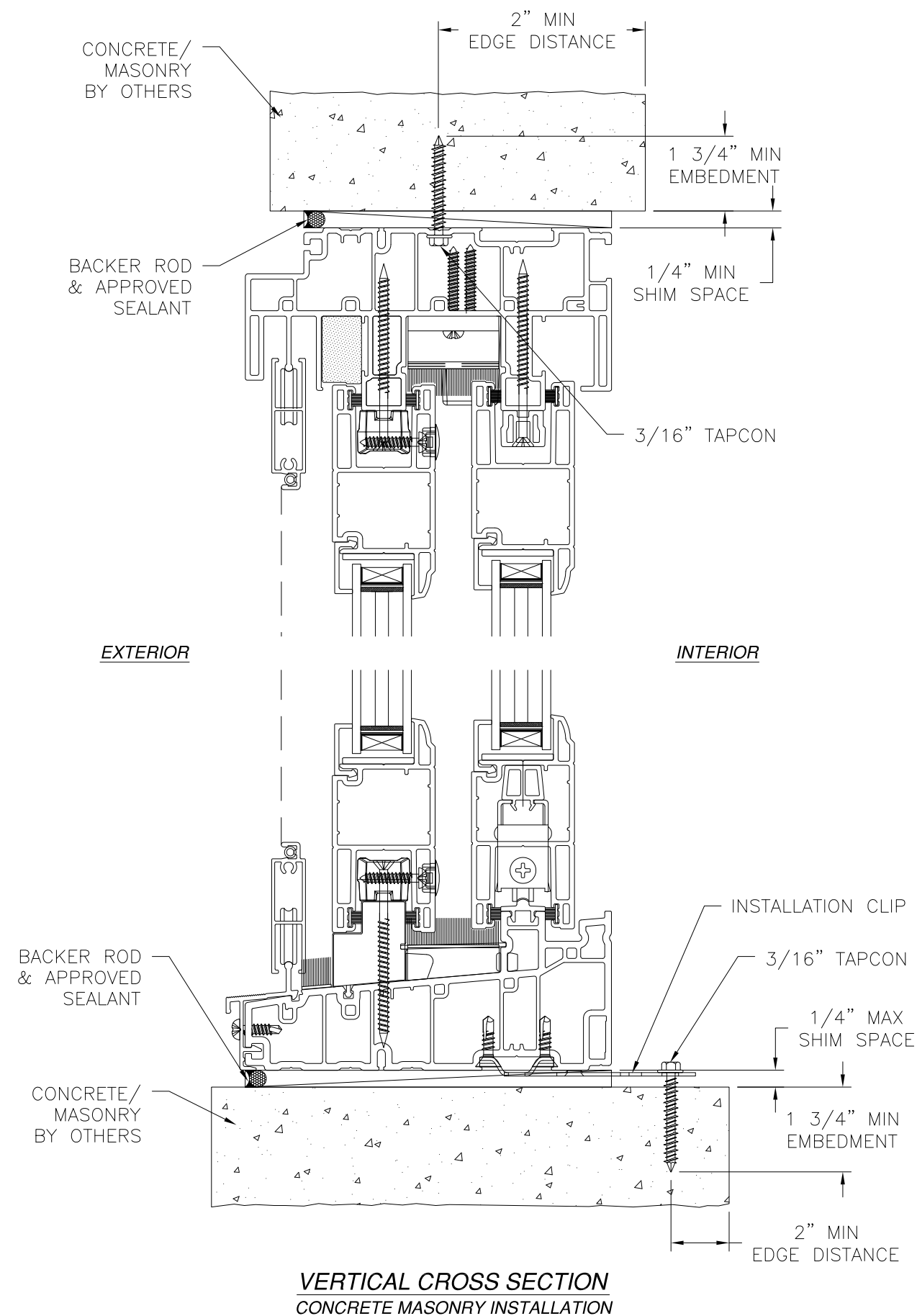
SIGNED: 10/19/2022

MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 1615/1617 PVC SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03687	REV A
SCALE NTS	DATE 02/09/21	SHEET 6 OF 10
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		



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

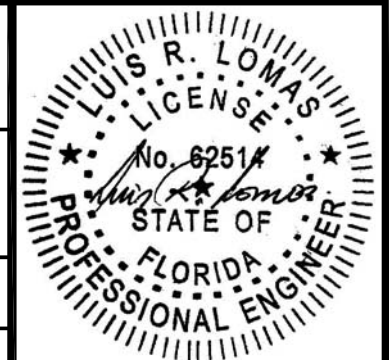
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED APPROVED CONFIGURATIONS	09/19/2022	R.L.



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

SIGNED: 10/19/2022

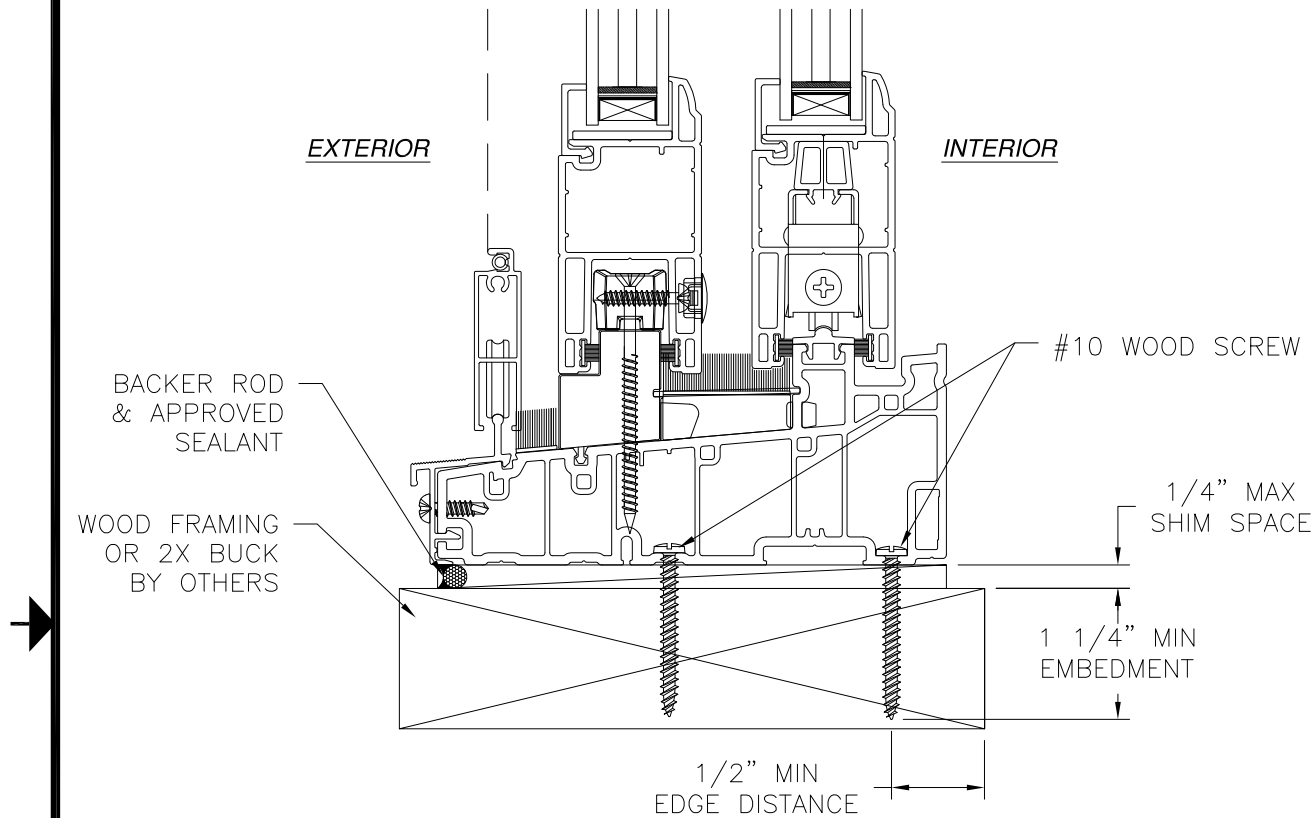
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 1615/1617 PVC SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03687	REV A
SCALE NTS	DATE 02/09/21	SHEET 7 OF 10
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		



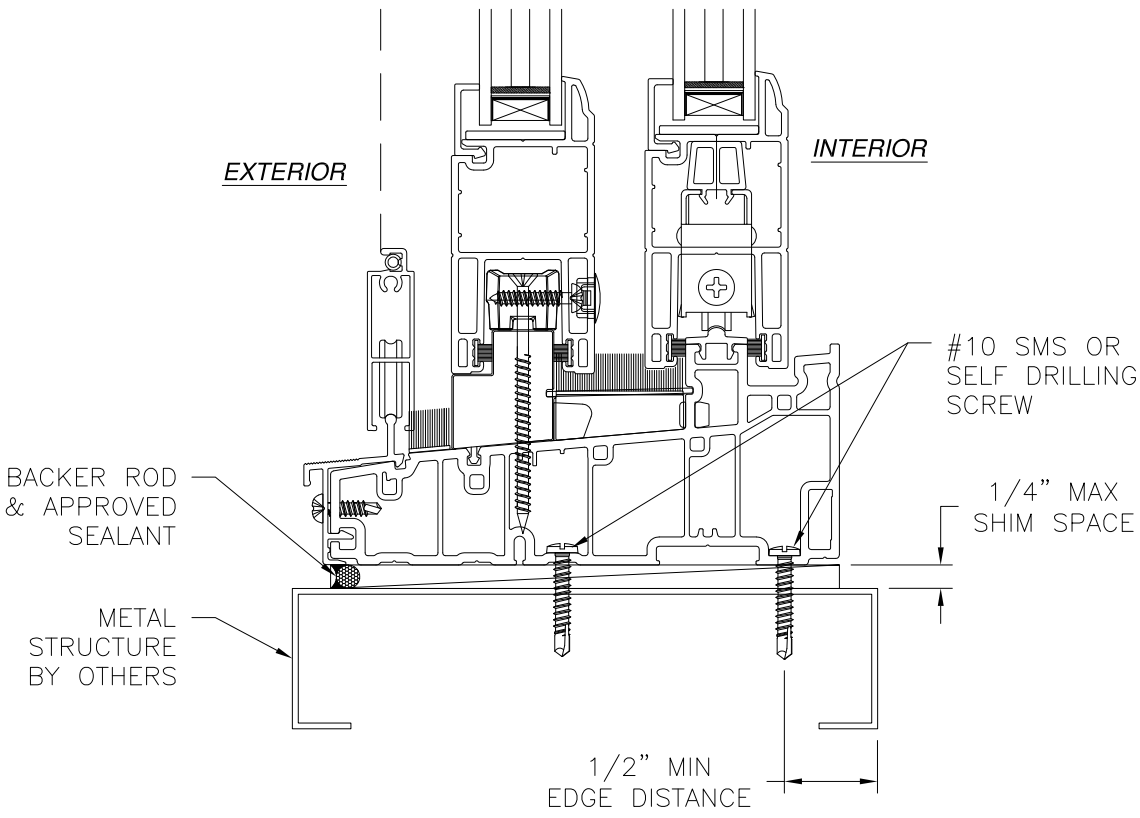
Luis R. Lomas P.E.
FL No.: 62514

THROUGH FRAME SILL
INSTALLATION DETAILS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED APPROVED CONFIGURATIONS	09/19/2022	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

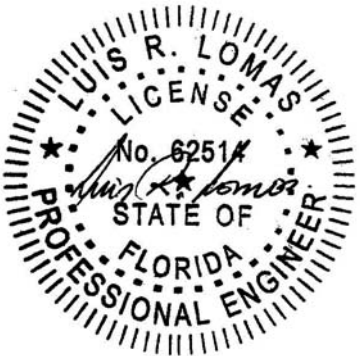


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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

MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 1615/1617 PVC SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03687	REV A
SCALE NTS	DATE 02/09/21	SHEET 8 OF 10
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

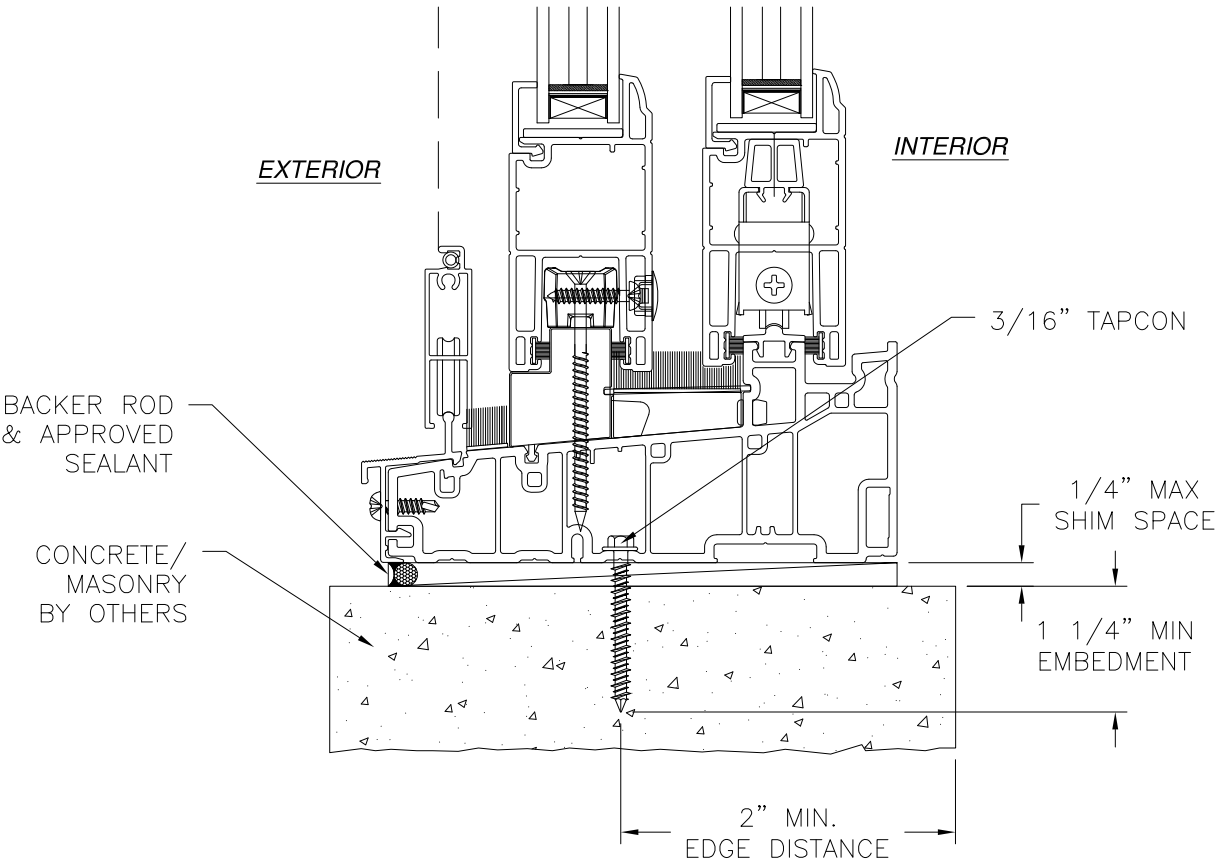
SIGNED: 10/19/2022



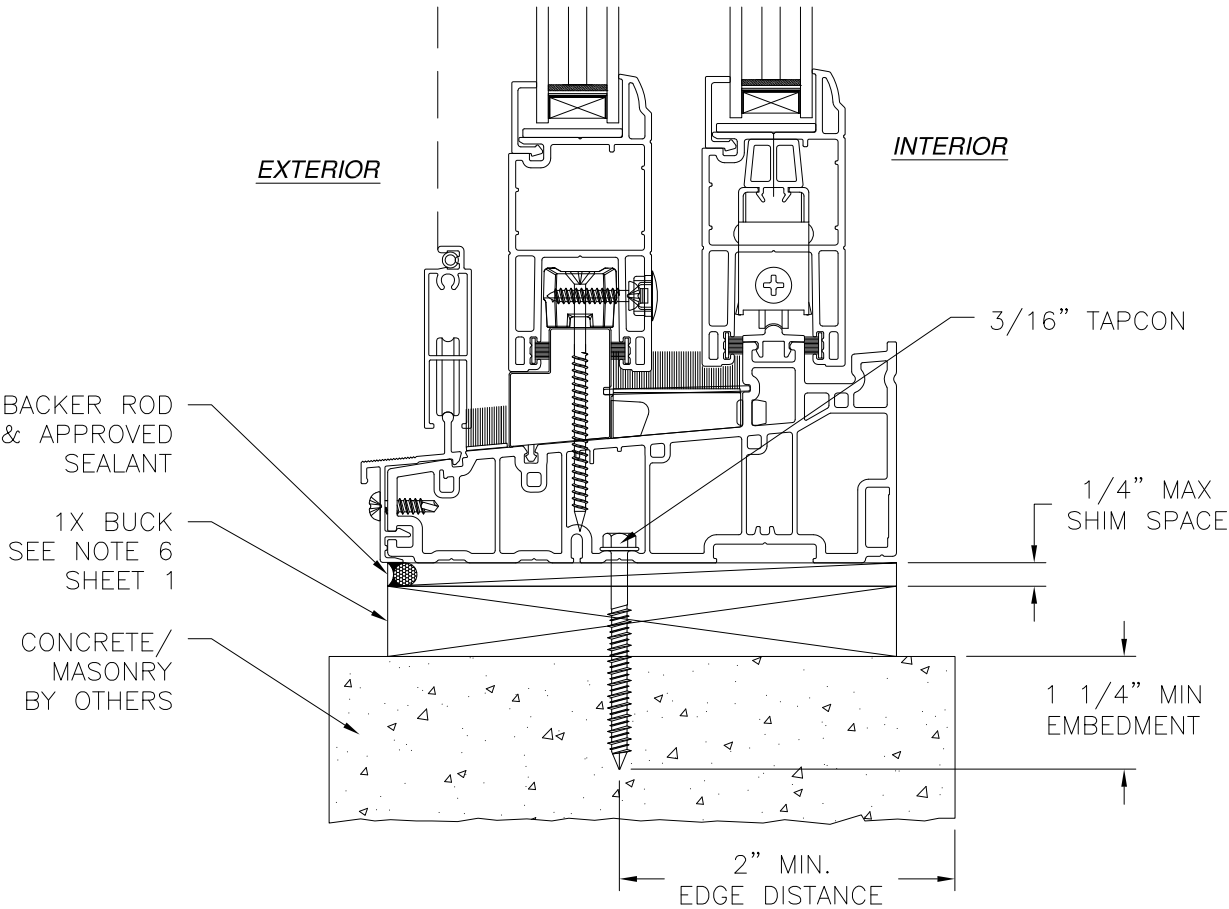
Luis R. Lomas P.E.
FL No.: 62514

THROUGH FRAME SILL
INSTALLATION DETAILS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED APPROVED CONFIGURATIONS	09/19/2022	R.L.



VERTICAL CROSS SECTION
CONCRETE MASONRY INSTALLATION



VERTICAL CROSS SECTION
CONCRETE MASONRY INSTALLATION

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

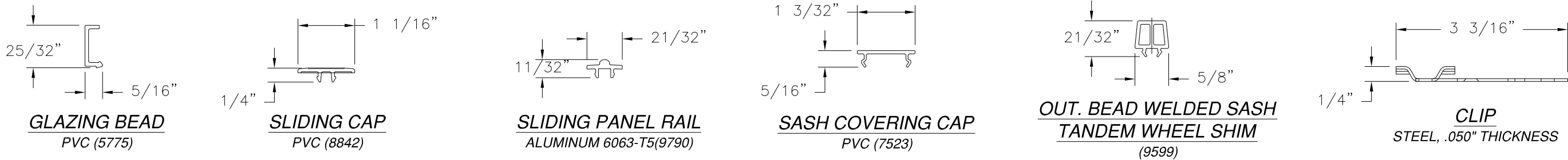
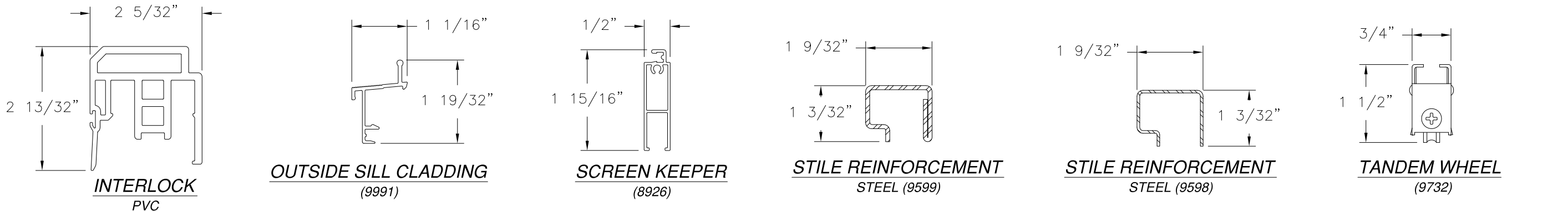
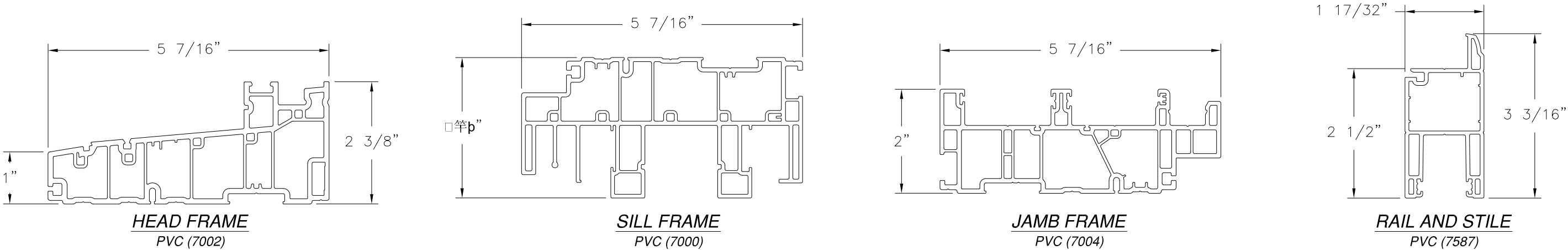
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 1615/1617 PVC SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03687	REV A
SCALE NTS	DATE 02/09/21	SHEET 9 OF 10
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/19/2022



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED APPROVED CONFIGURATIONS	09/19/2022	R.L.



SIGNED: 10/19/2022

MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 1615/1617 PVC SLIDING GLASS DOOR
NON-IMPACT
COMPONENTS

DRAWN: A.R.

DWG NO. 08-03687

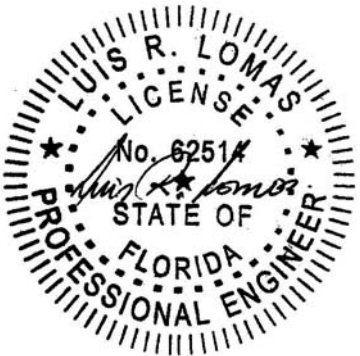
REV A

SCALE NTS

DATE 02/09/21

SHEET 10 OF 10

L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



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