

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	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. FOR FRAME INSTALLATION 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 ALUMINUM 6005–T5.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 31 FOR GLASS DETAILS.
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 #14 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 1/4” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 7/8” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #14 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:

A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

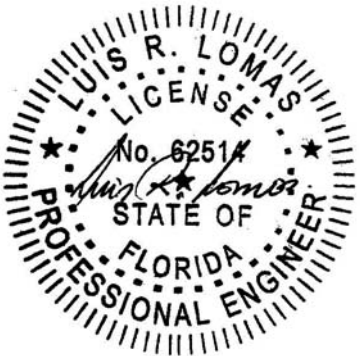
D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI .048” THICK MINIMUM
18. APPROVED CONFIGURATIONS: OX, XO, XX, OXXO, PX, XP, PXXP, PIX, XIP, PIXXIP, XIX, OIX, XIO, PIIX, XIIP, XIIX, OIIX, XIIO, PIIIX, XIIIP
19. DOOR ASSEMBLIES INSTALLED IN AREAS WHERE OVERHANG RATIO IS EQUAL OR GREATER THAN 1.0 DO NOT REQUIRE WATER INFILTRATION RESISTANCE.

OVERHANG RATIO = OVERHANG LENGTH/OVERHANG HEIGHT.

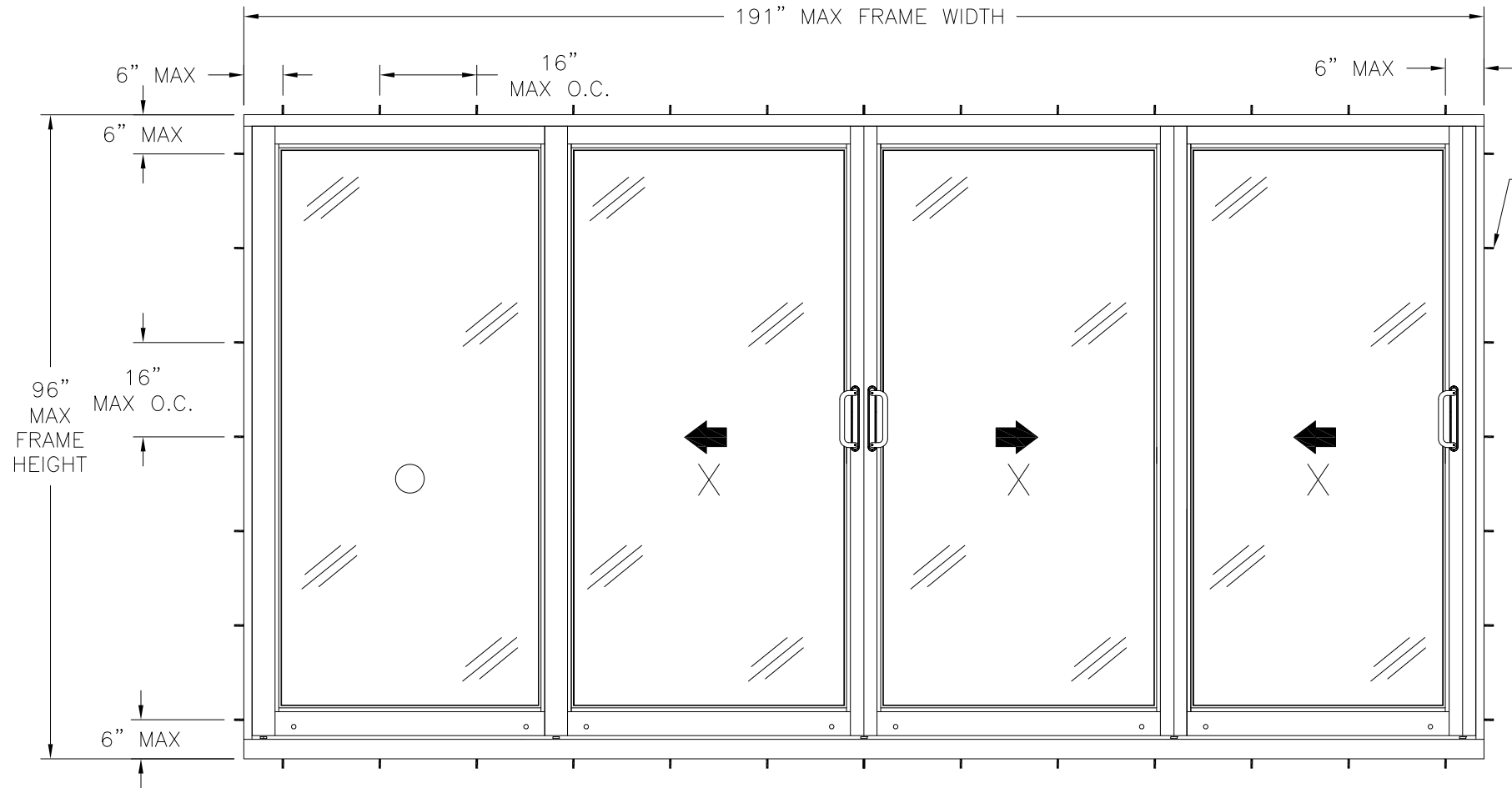
SIGNED: 10/19/2022

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MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT NOTES		
DRAWN: R.S.	DWG NO. 08–03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 1 OF 31
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



SERIES 120 ALUMINUM SLIDING GLASS DOOR - IMPACT 2, 3, & 4 TRACK (0XXX)

EXTERIOR VIEW
FINLESS & FLANGE INSTALLATION

WITH STANDARD SILL

DESIGN PRESSURE RATING	IMPACT RATING
+15.0/-55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3
WHERE WATER PENETRATION RESISTANCE IS REQUIRED

WITH 2 5/8" & 3 1/2" SILL EXTENDERS

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3
WHERE WATER PENETRATION RESISTANCE IS REQUIRED

WITH STANDARD SILL, 2 5/8" & 3 1/2" SILL EXTENDERS

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3
WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED

NOTES:

1. MAXIMUM PANEL SIZE: 48 5/8" x 93 1/2"
2. MAXIMUM D.L.O.: 40 5/8" x 85 1/2"

HARDWARE SCHEDULE

A.	TANDEM ROLLER ASSEMBLY, 2 PER PANEL, 8" FROM EACH END OF BOTTOM RAIL,
B.	LOCK HANDLE, 1 PER OPERABLE PANEL AT LOCK STILE, 39" FROM THE BOTTOM RAIL

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Chart #1: Units with 2 panels

Number of anchor locations required (2 anchors per location)										
Frame Height (in)	Frame Width (in)									
	48.00		60.00		72.00		84.00		96.00	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
80.00	4	6	4	6	5	6	6	6	7	6
84.00	4	6	4	6	5	6	6	6	7	6
90.00	4	6	4	6	5	6	6	6	7	6
96.00	4	7	4	7	5	7	6	7	7	7

Chart #2: Units with 3 panels

Number of anchor locations required (2 anchors per location)										
Frame Height (in)	Frame Width (in)									
	72.00		90.00		108.00		126.00		144.00	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
80.00	5	6	6	6	7	6	9	6	10	6
84.00	5	6	6	6	7	6	9	6	10	6
90.00	5	6	6	6	7	6	9	6	10	6
96.00	5	7	6	7	7	7	9	7	10	7

Chart #3: Units with 4 panels

Number of anchor locations required (2 anchors per location)										
Frame Height (in)	Frame Width (in)									
	96.00		120.00		144.00		168.00		192.00	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
80.00	7	6	8	6	10	6	11	6	13	6
84.00	7	6	8	6	10	6	11	6	13	6
90.00	7	6	8	6	10	6	11	6	13	6
96.00	7	7	8	7	10	7	11	7	13	7

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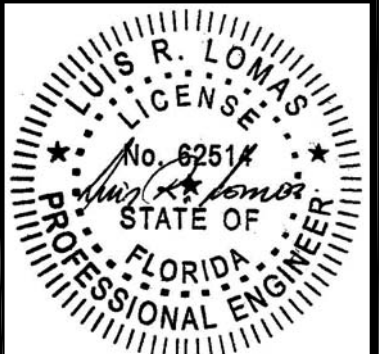
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650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT
ELEVATION

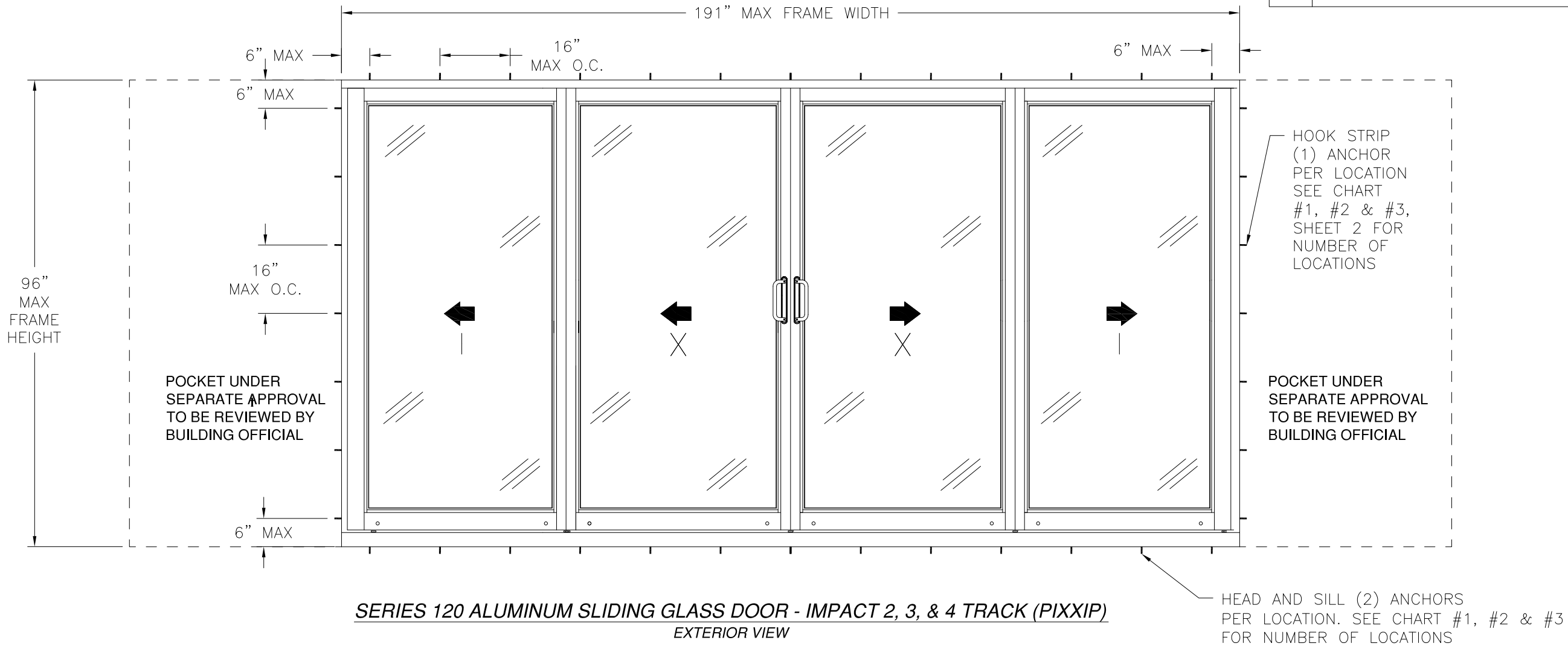
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 2 OF 31

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SERIES 120 ALUMINUM SLIDING GLASS DOOR - IMPACT 2, 3, & 4 TRACK (PIXXIP)

EXTERIOR VIEW
FINLESS & FLANGE INSTALLATION WITH HOOK STRIP

WITH STANDARD SILL

DESIGN PRESSURE RATING	IMPACT RATING
+15.0/-55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3
WHERE WATER PENETRATION RESISTANCE IS REQUIRED

WITH 2 5/8" & 3 1/2" SILL EXTENDERS

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3
WHERE EATER PENETRATION RESISTANCE IS REQUIRED

WITH STANDARD SILL, 2 5/8" & 3 1/2" SILL EXTENDERS

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3
WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED

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650 WEST MARKET STREET
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SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT
ELEVATION

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DATE
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SHEET
3 OF 31

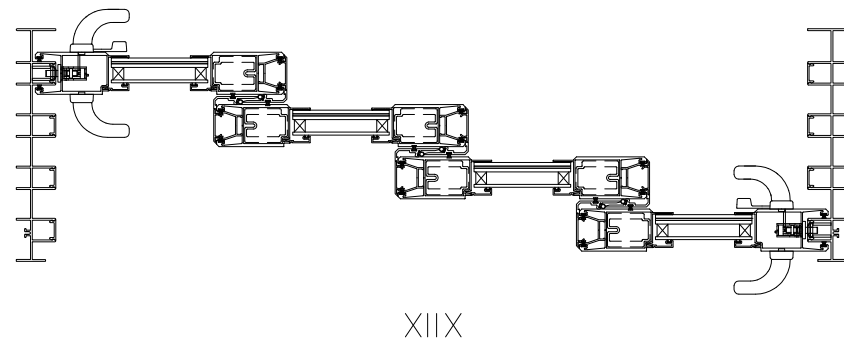
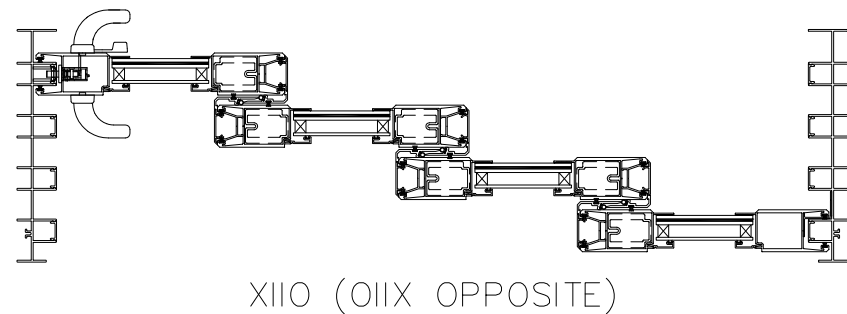
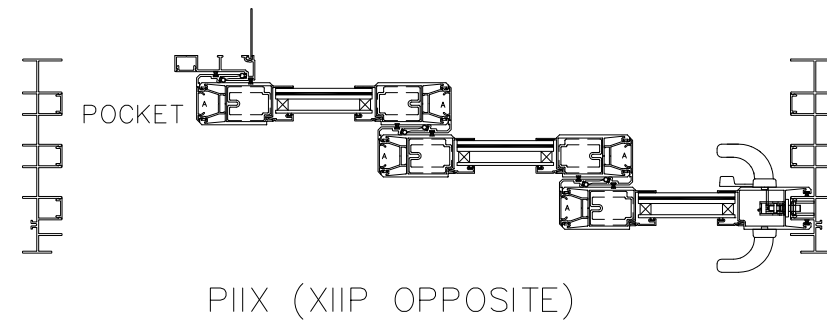
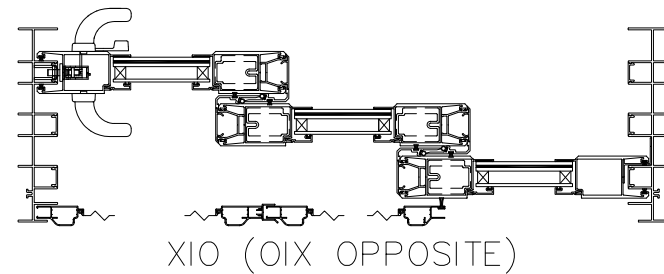
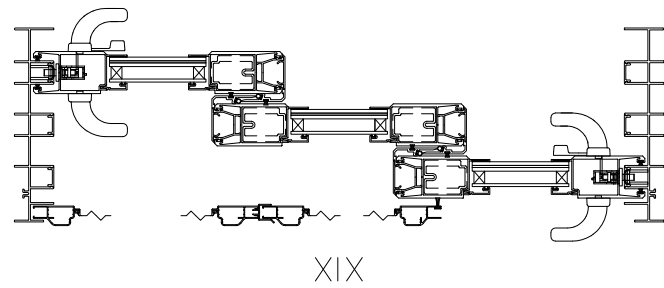
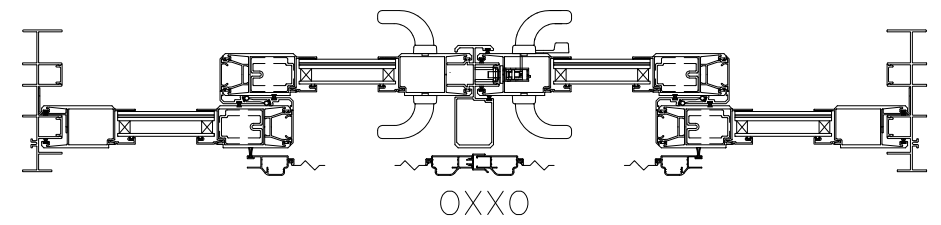
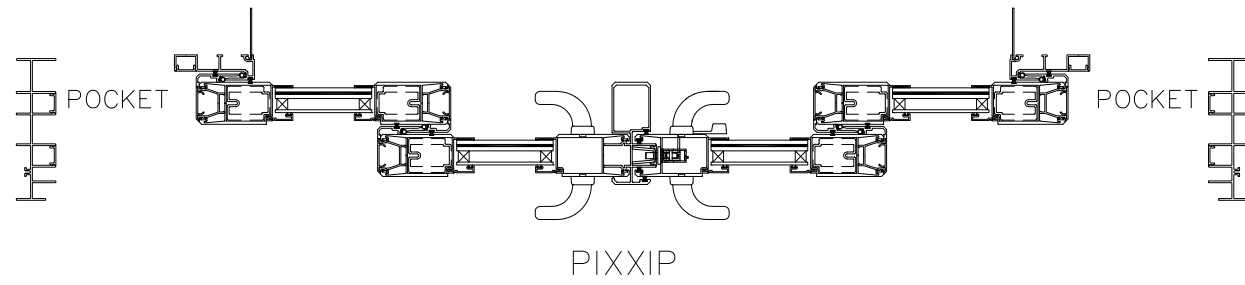
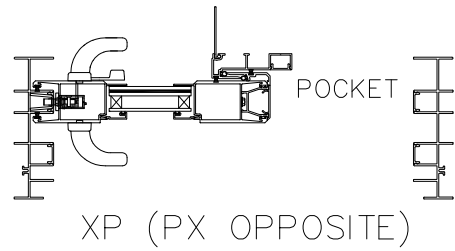
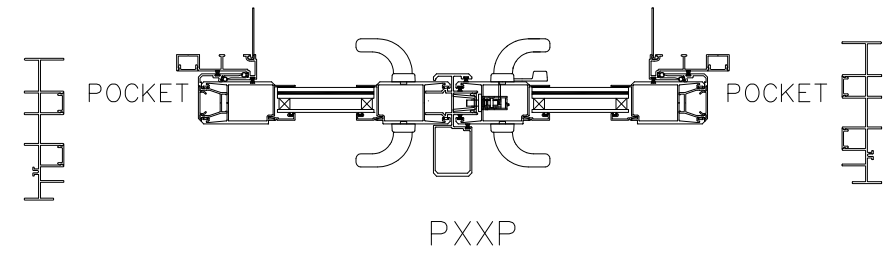
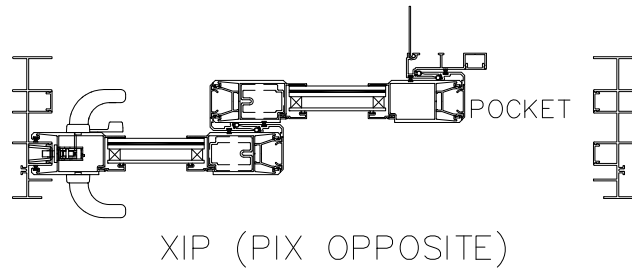
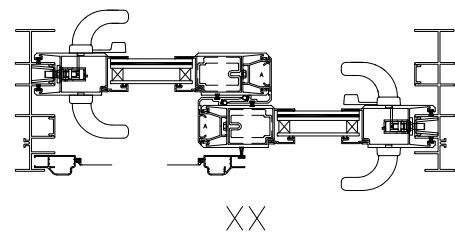
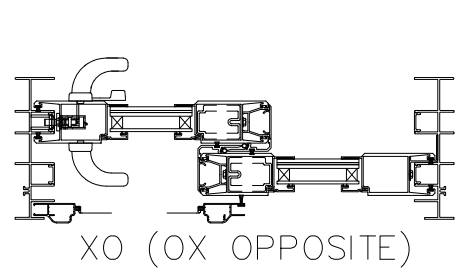
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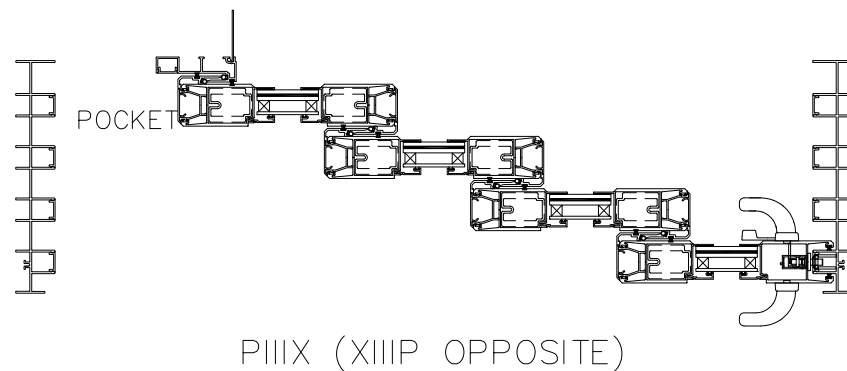


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LAYOUTS SHOWN AS REFERENCE ONLY.
PANELS MAY BE MIXED & MATCHED AS
NECESSARY

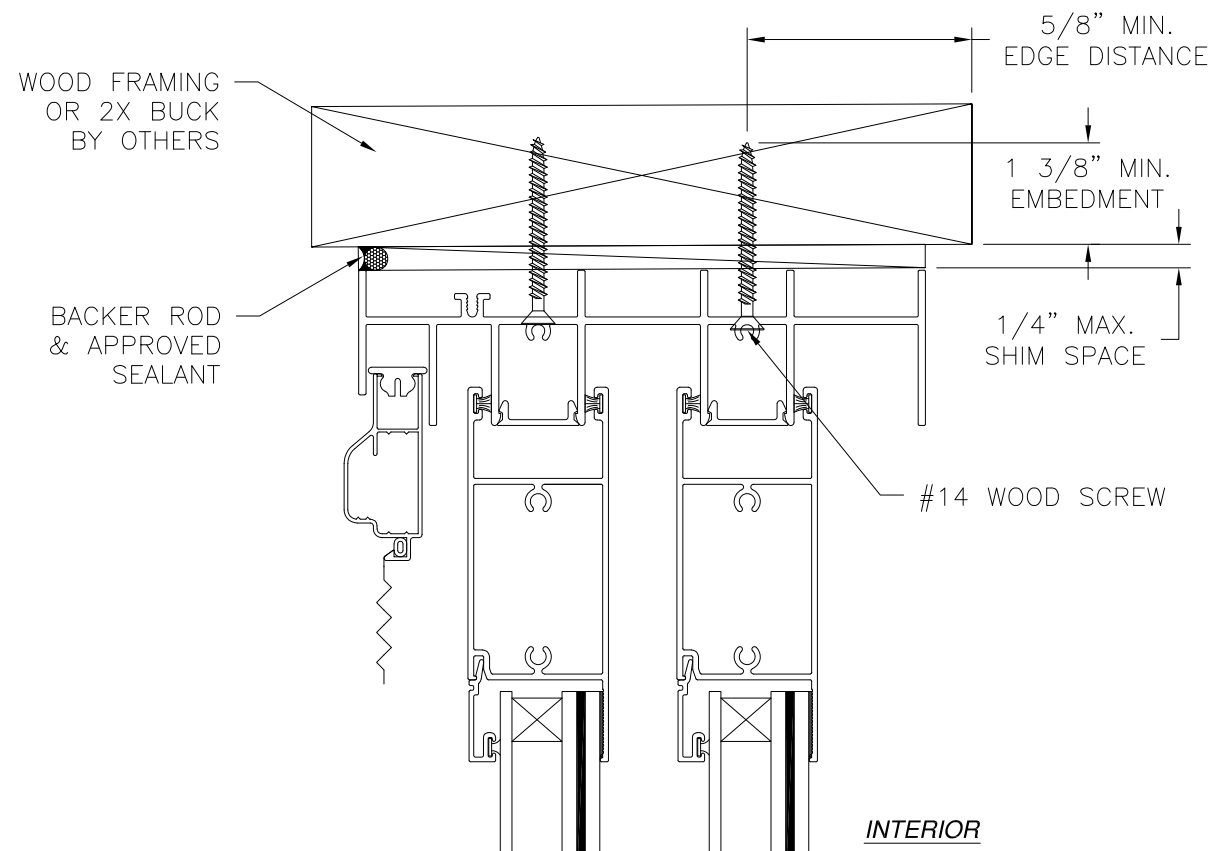


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MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT PLAN VIEWS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 4 OF 31
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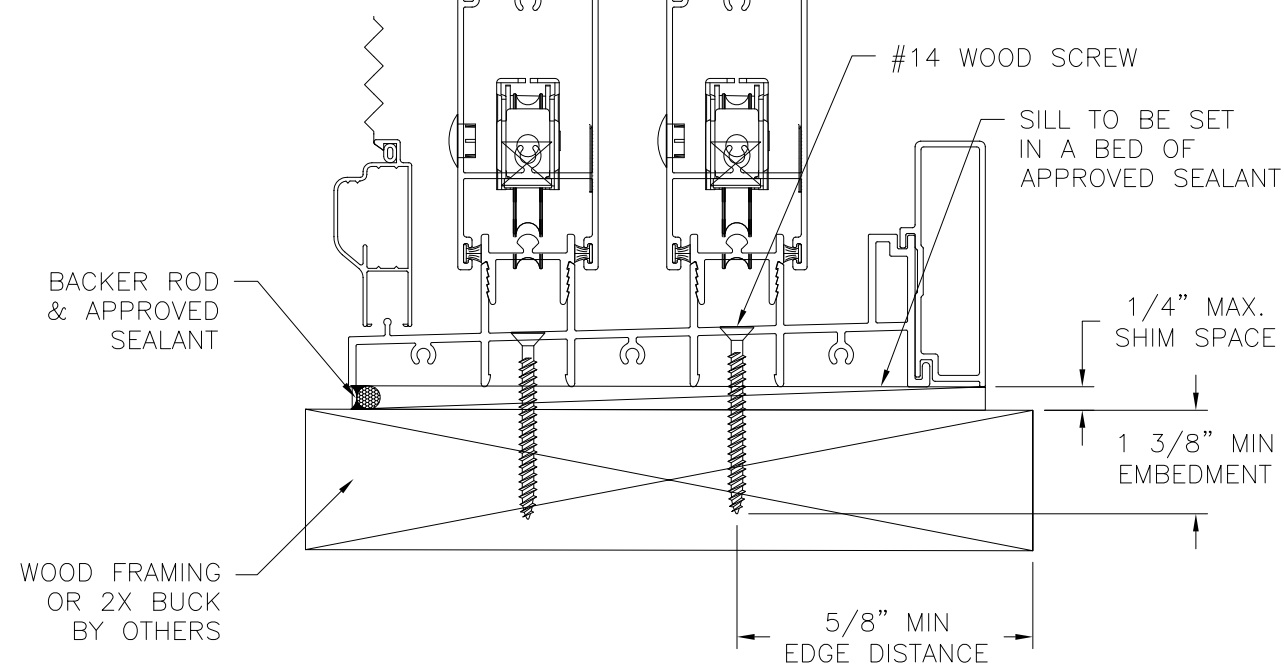


EXTERIOR

INTERIOR

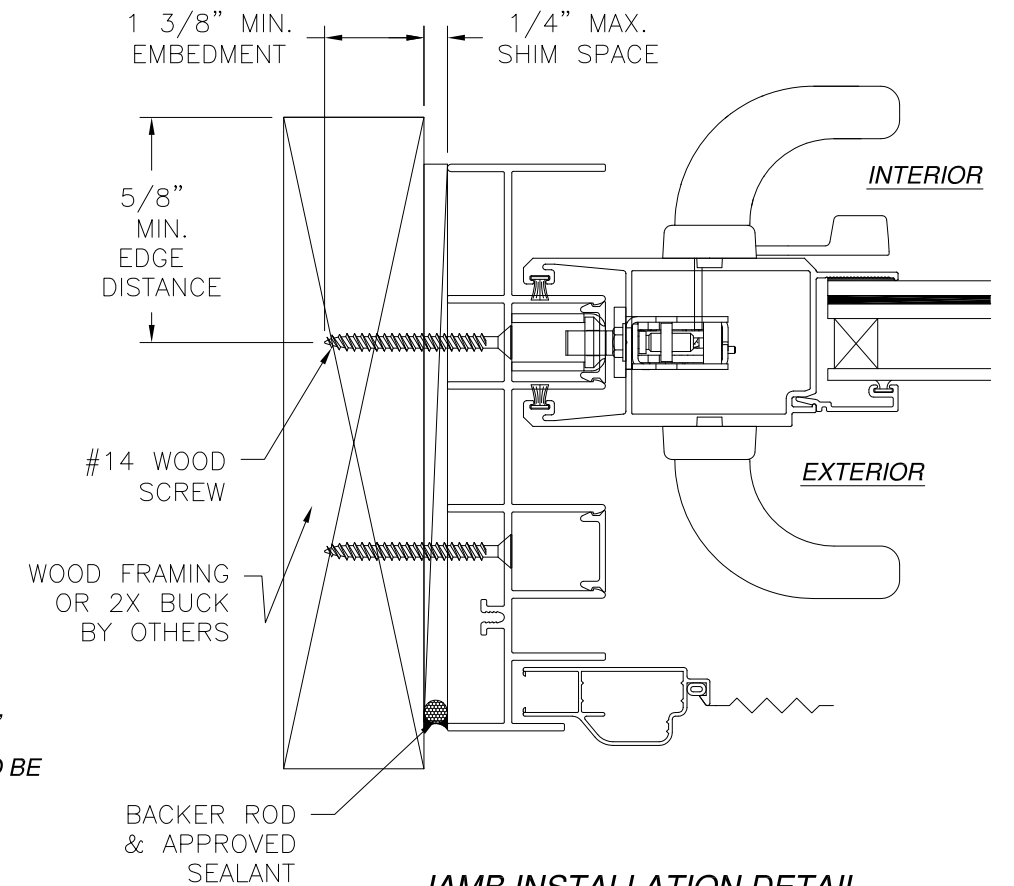
NOTES:

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



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

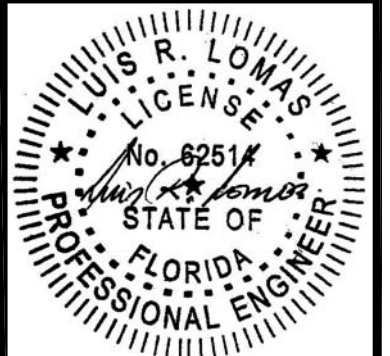
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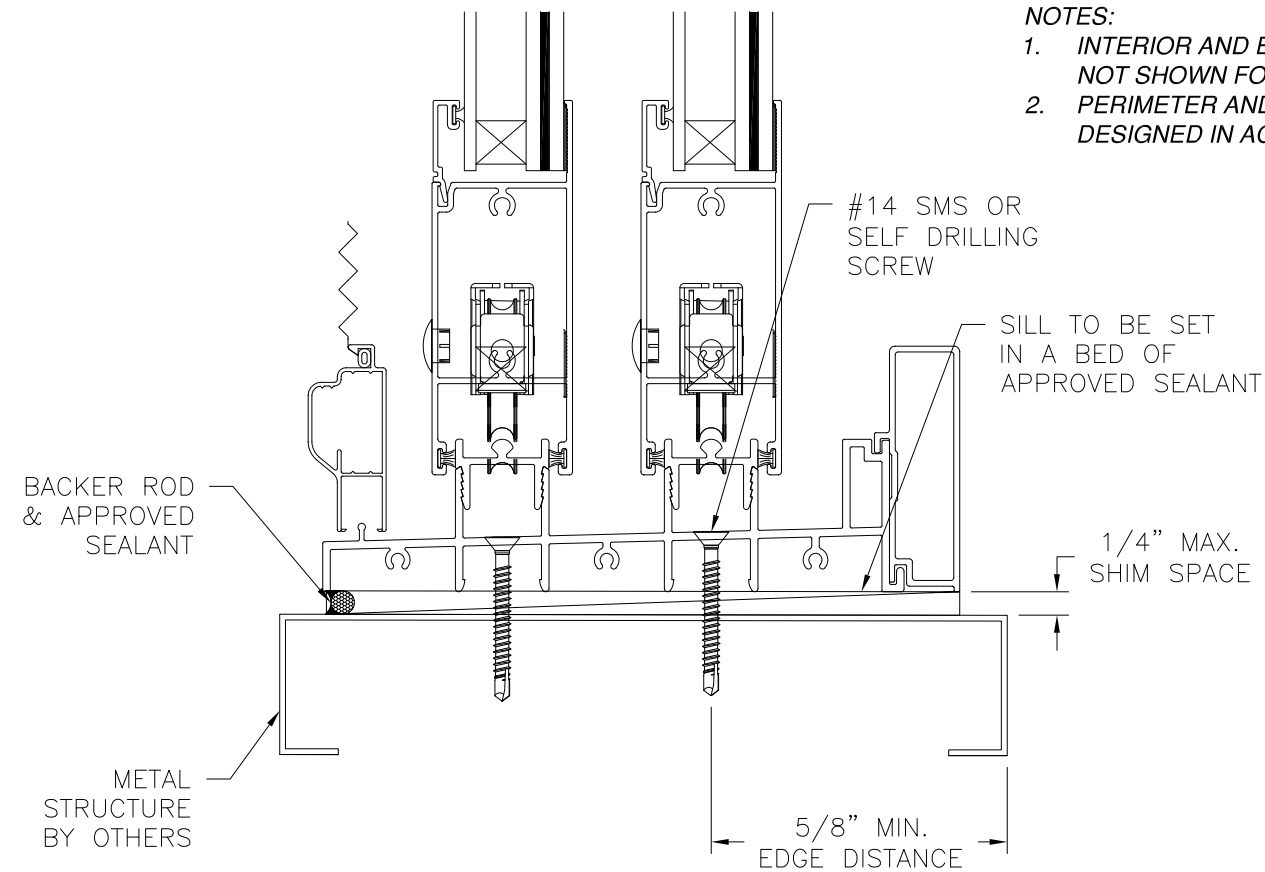
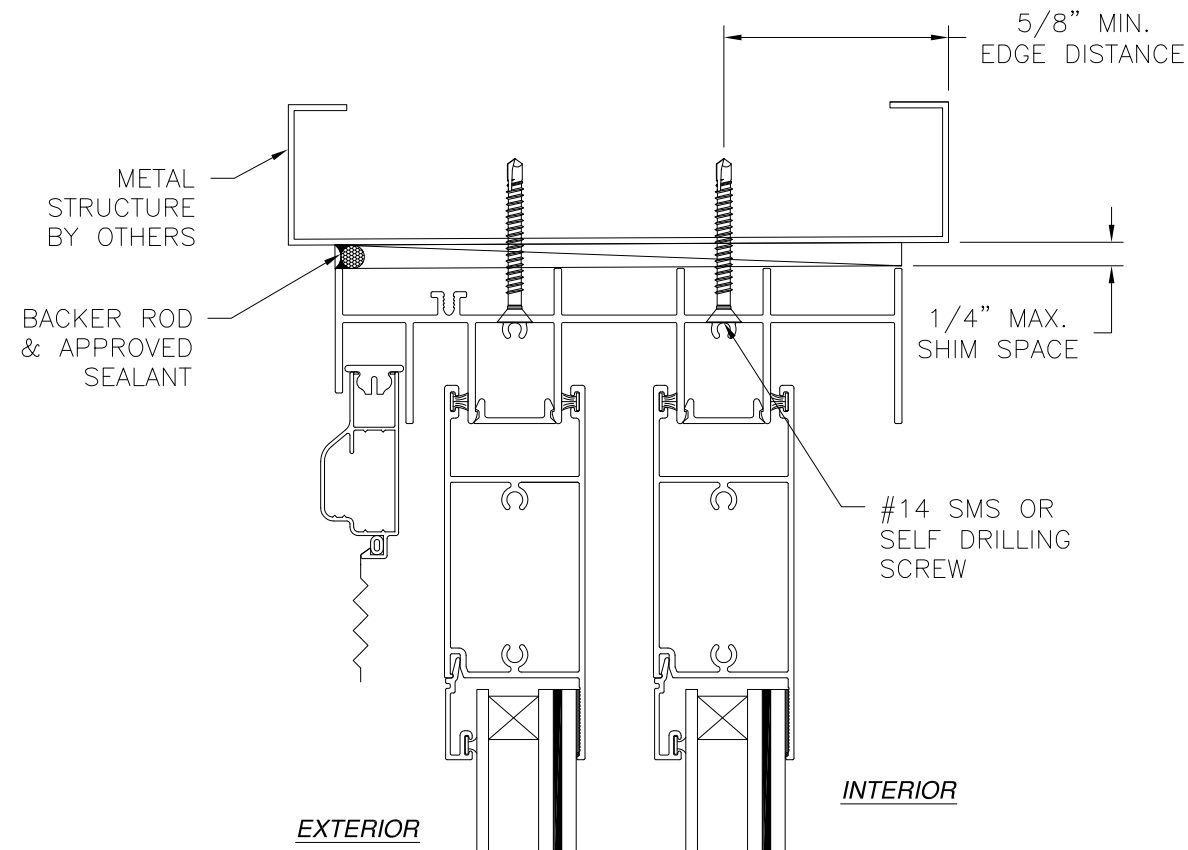
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 2 TRACK FINLESS INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 5 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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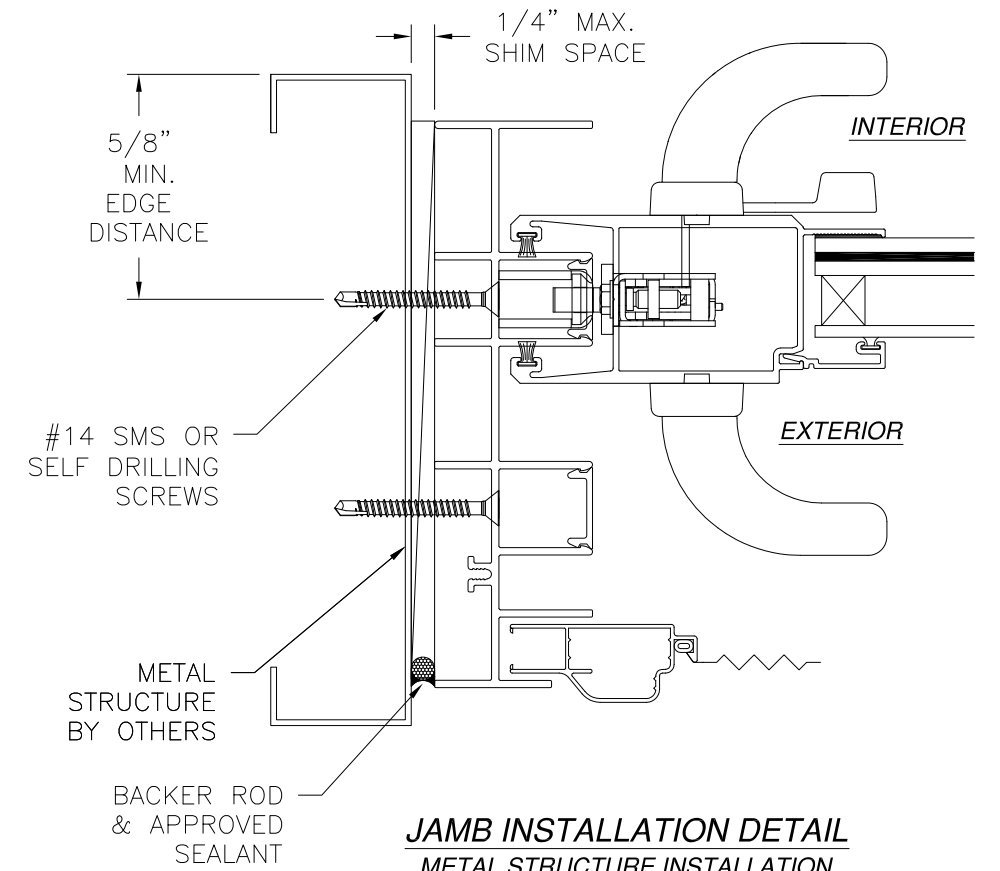


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

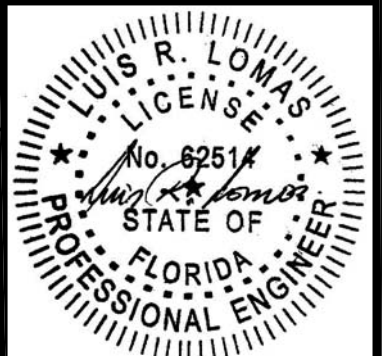
MI WINDOWS AND DOORS LLC
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT
2 TRACK FINLESS INSTALLATION DETAILS

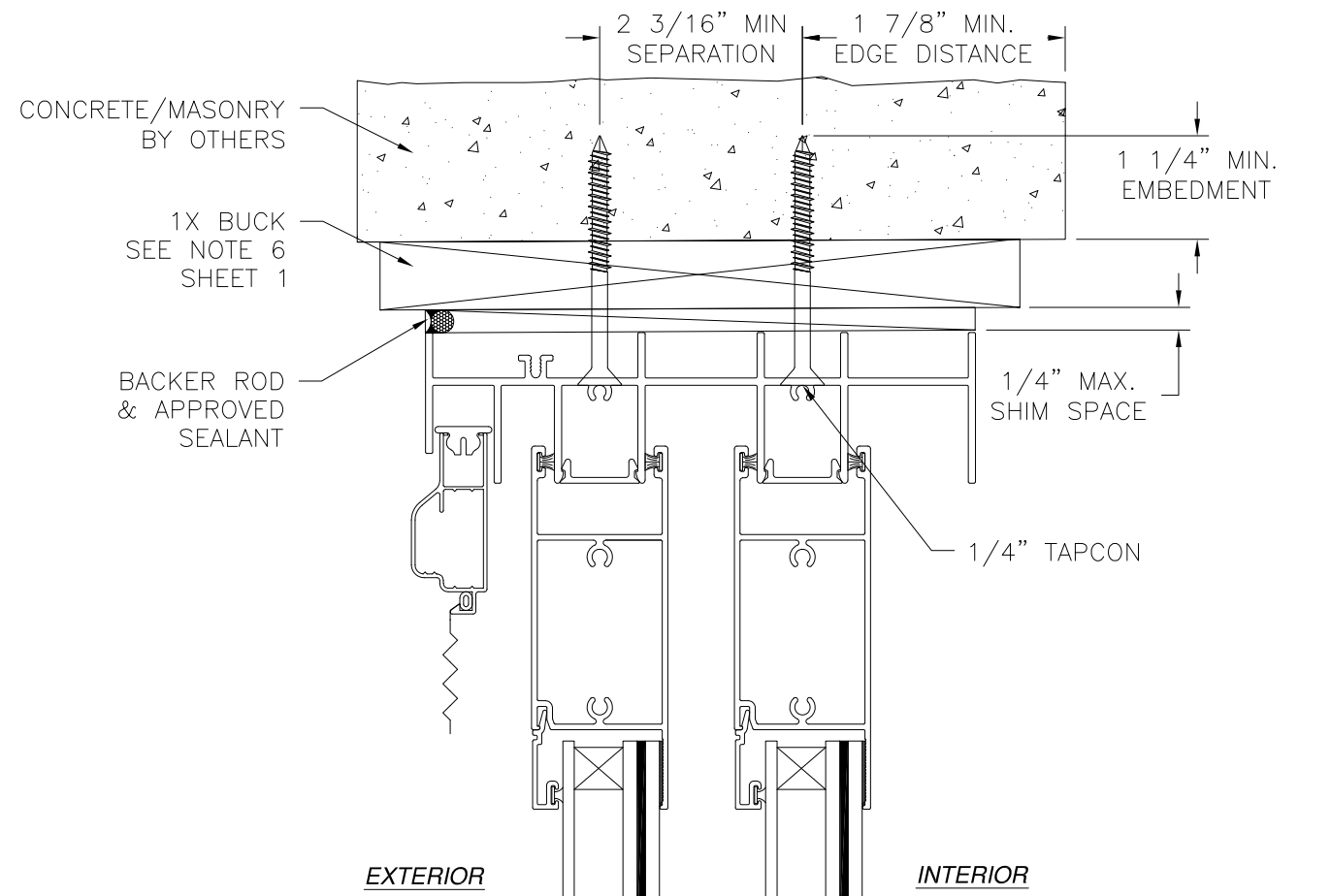
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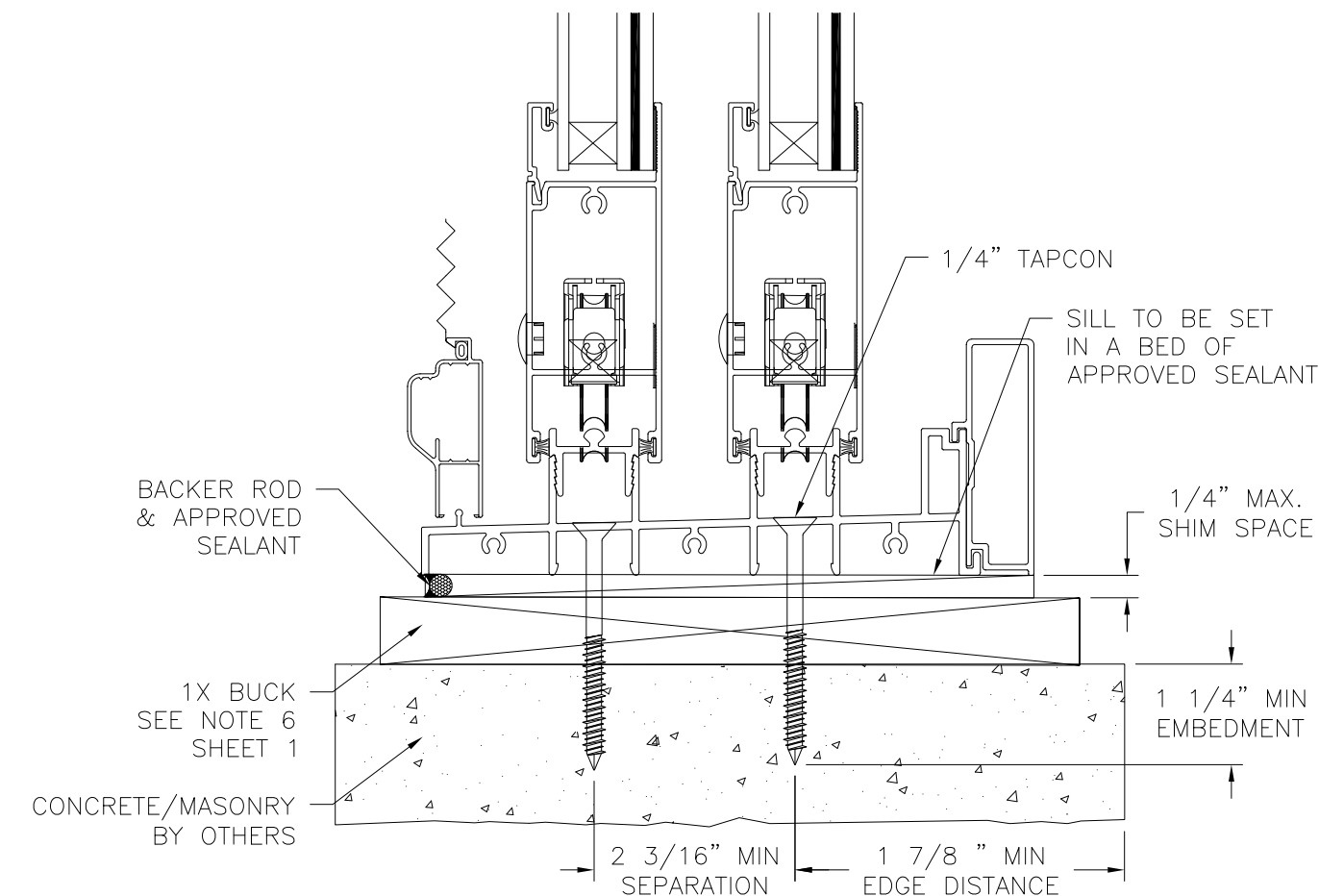


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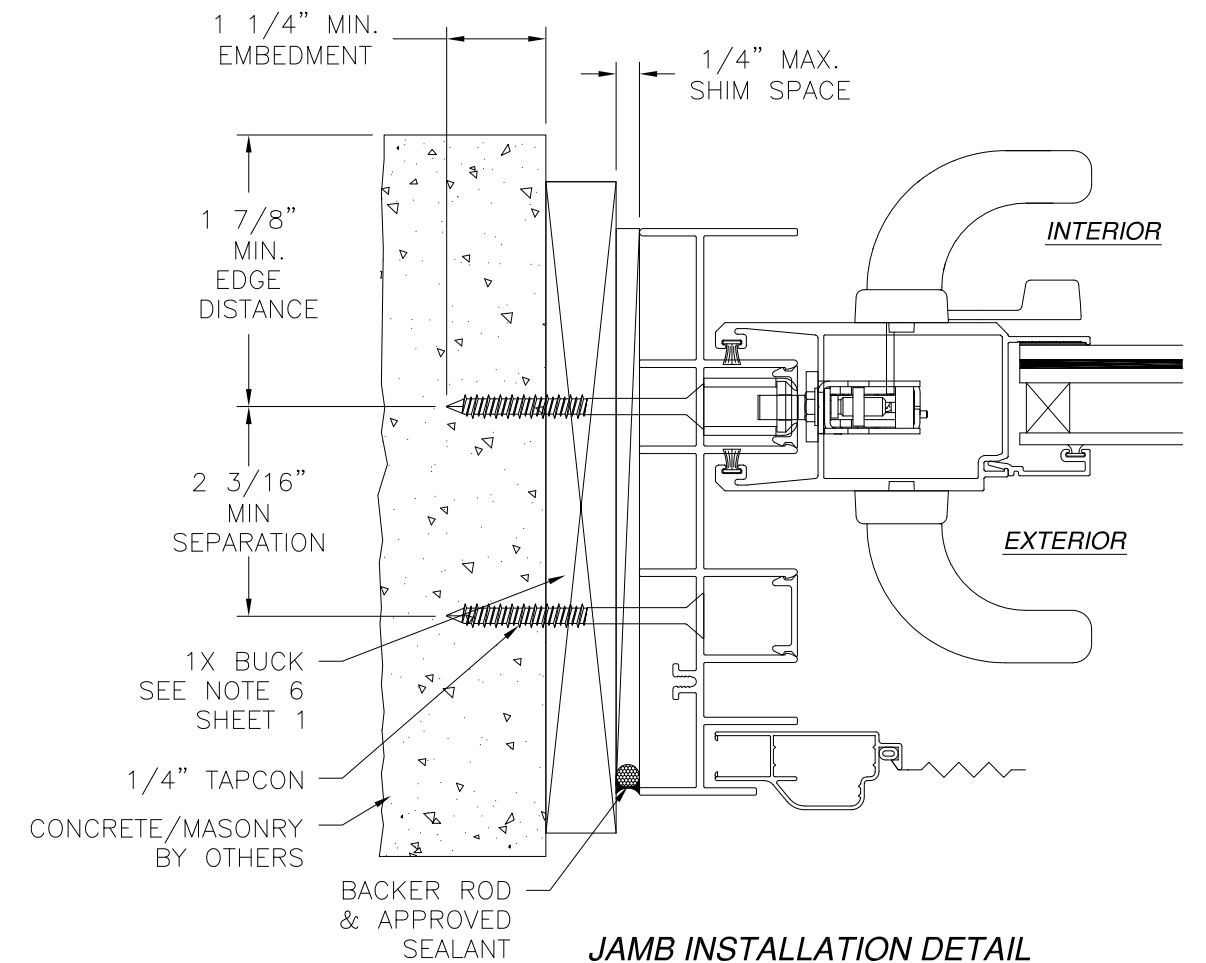
EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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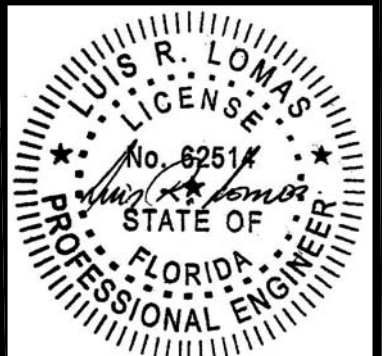
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CONCRETE/MASONRY INSTALLATION

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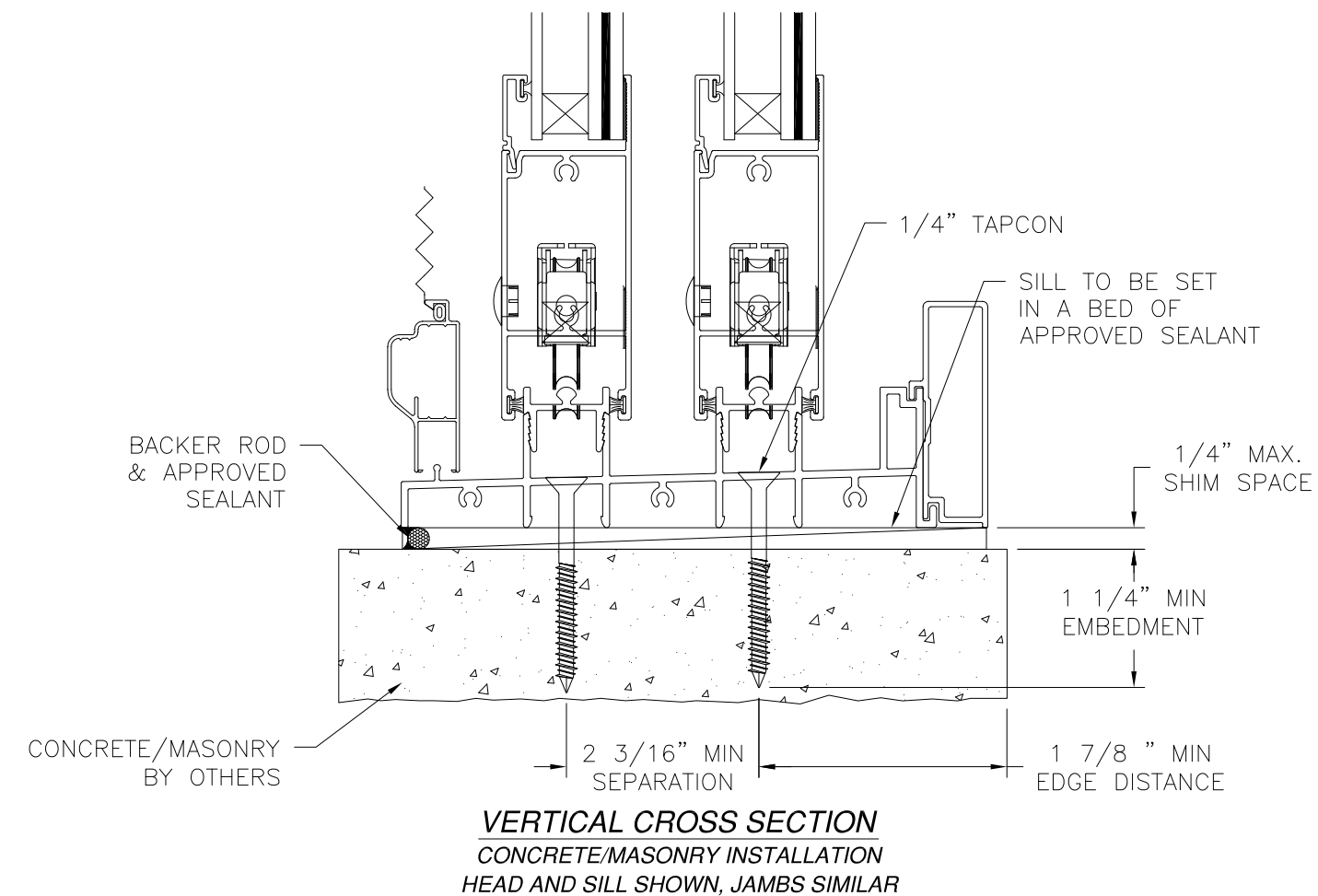
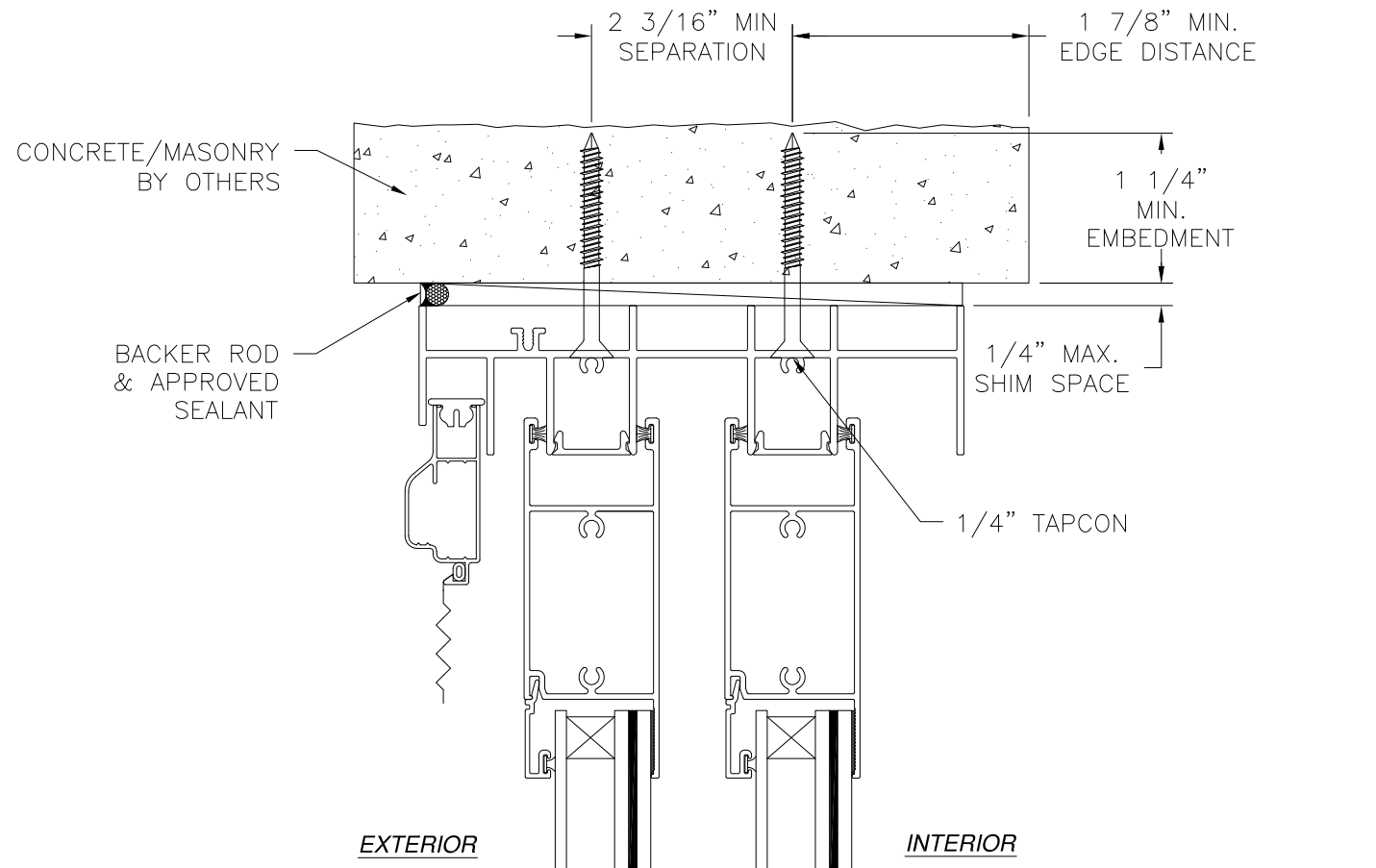
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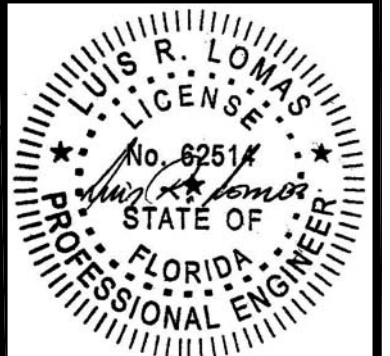


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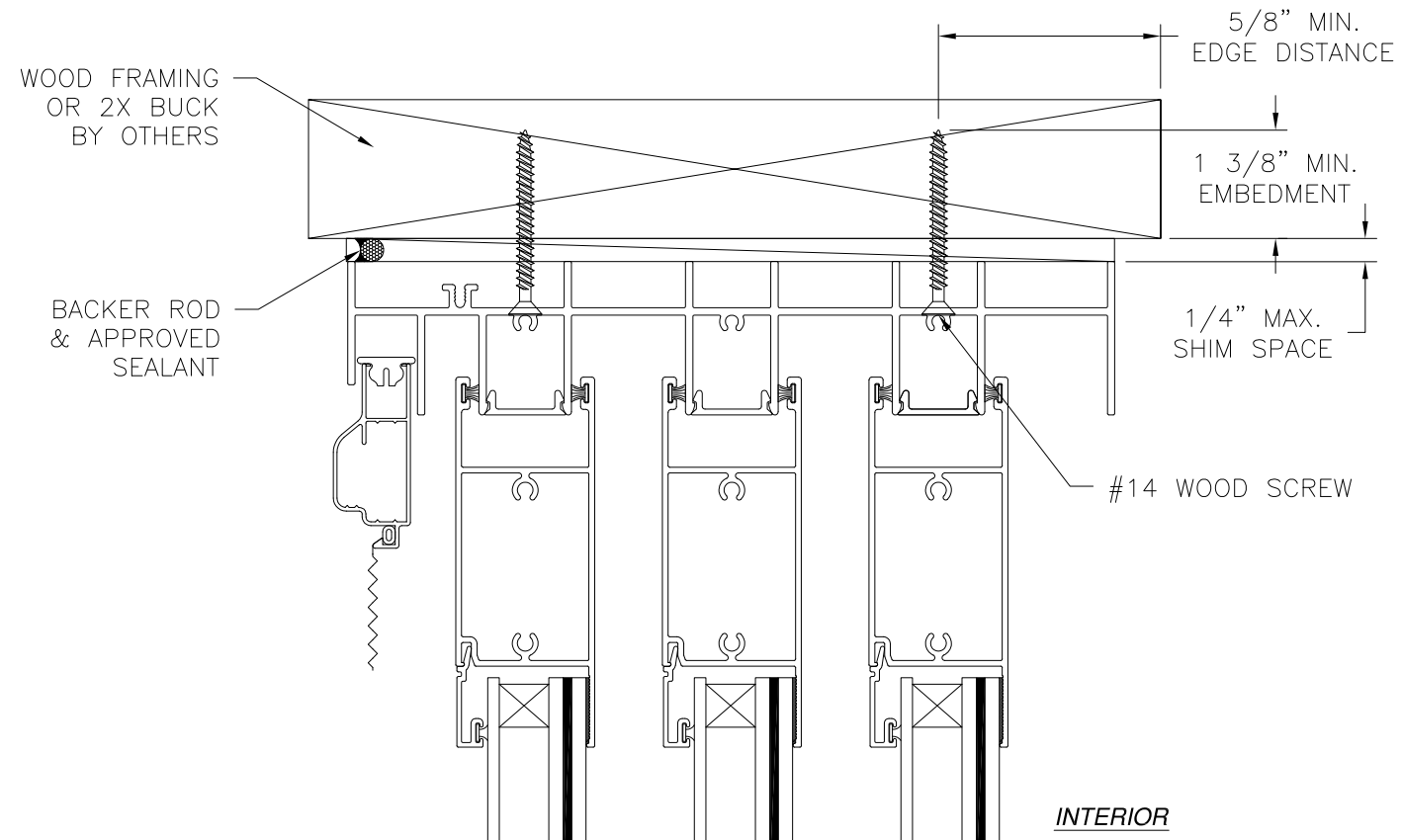
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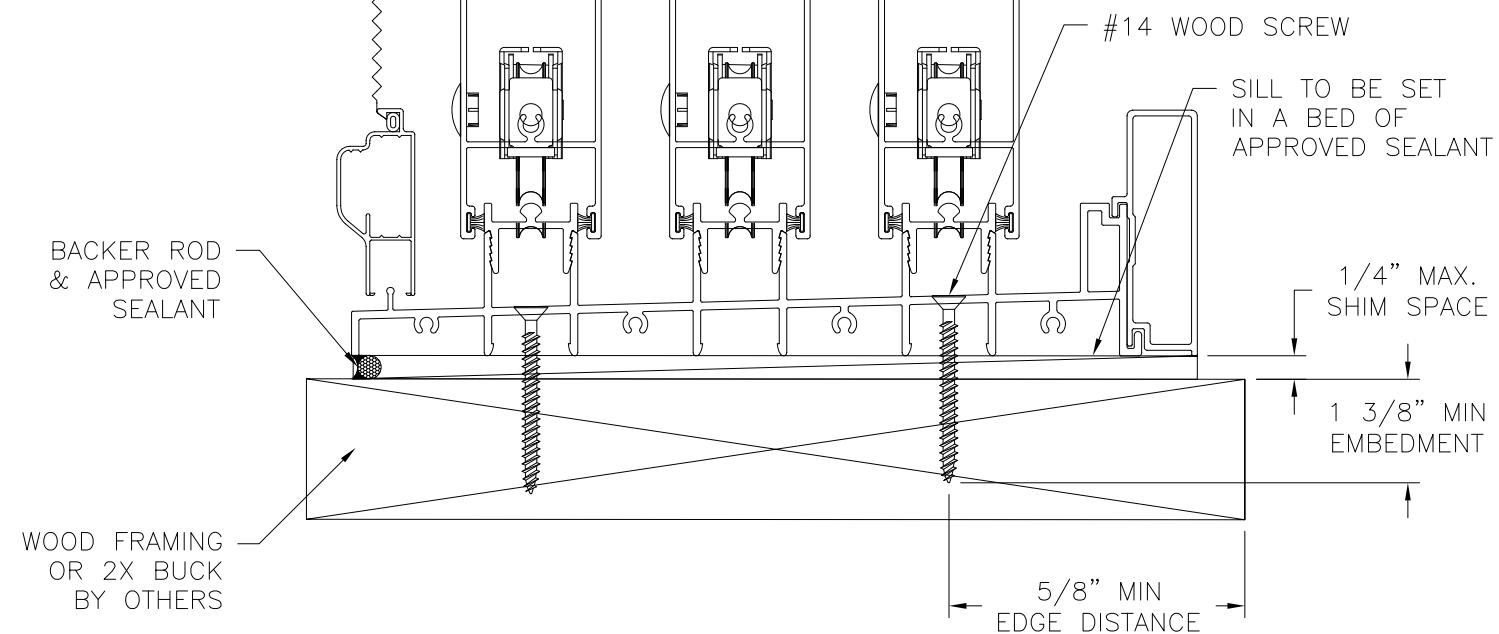
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EXTERIOR

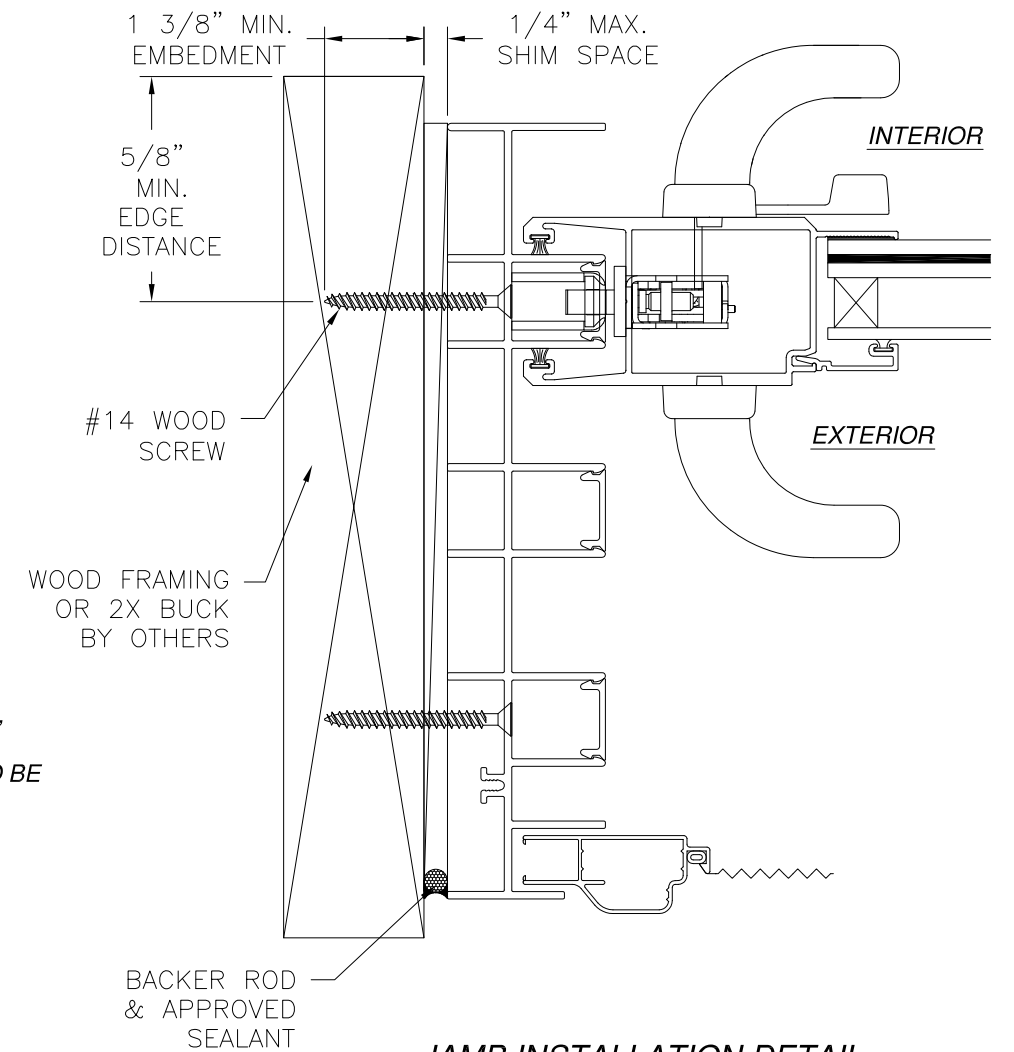


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

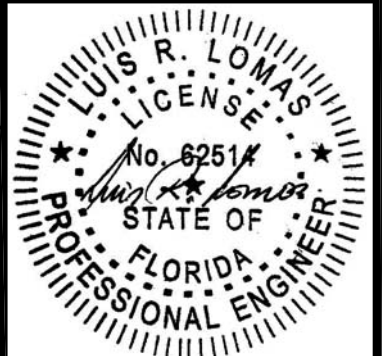
SIGNED: 10/19/2022

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

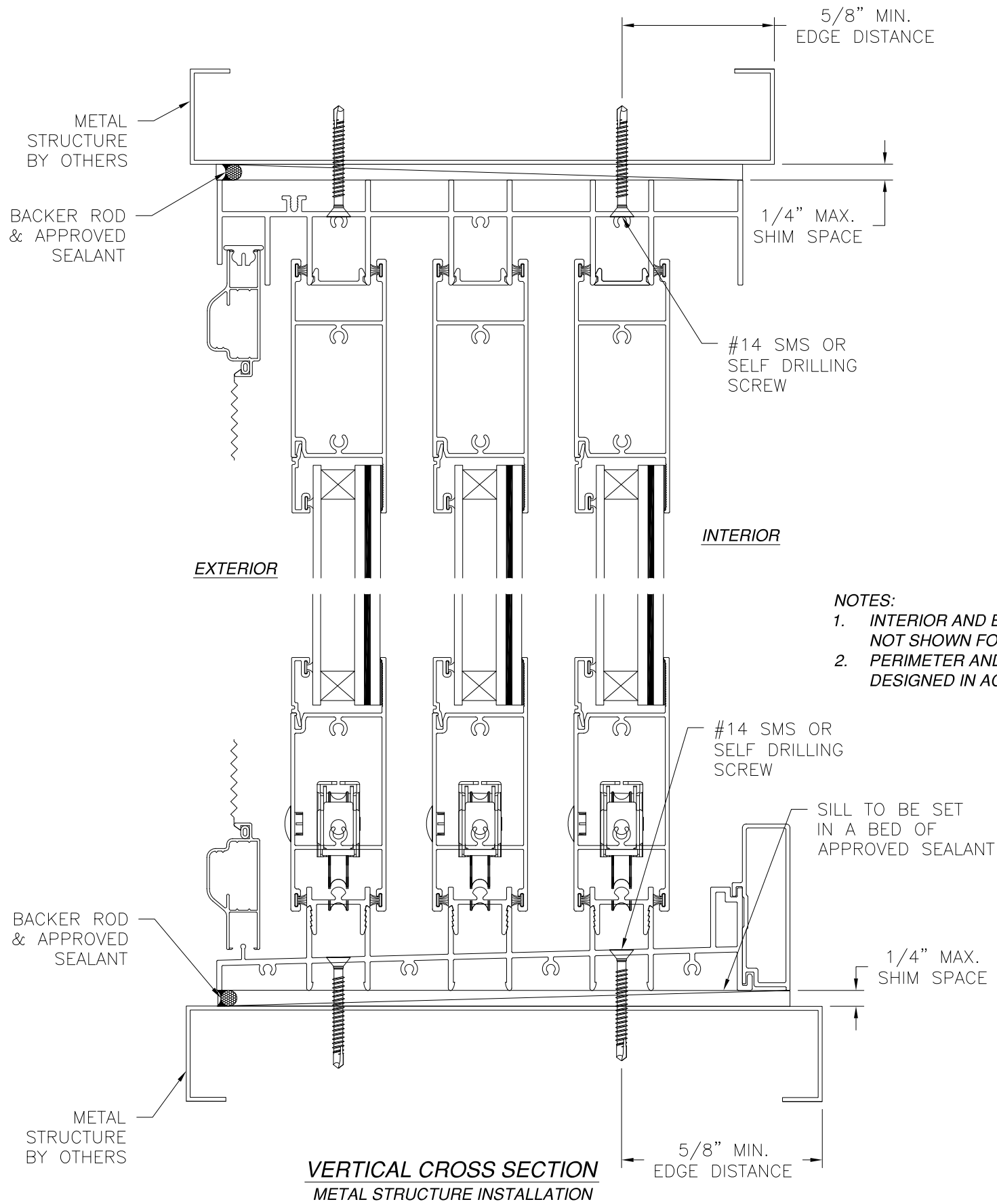
SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT
3 TRACK FINLESS INSTALLATION DETAILS

DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 9 OF 31

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

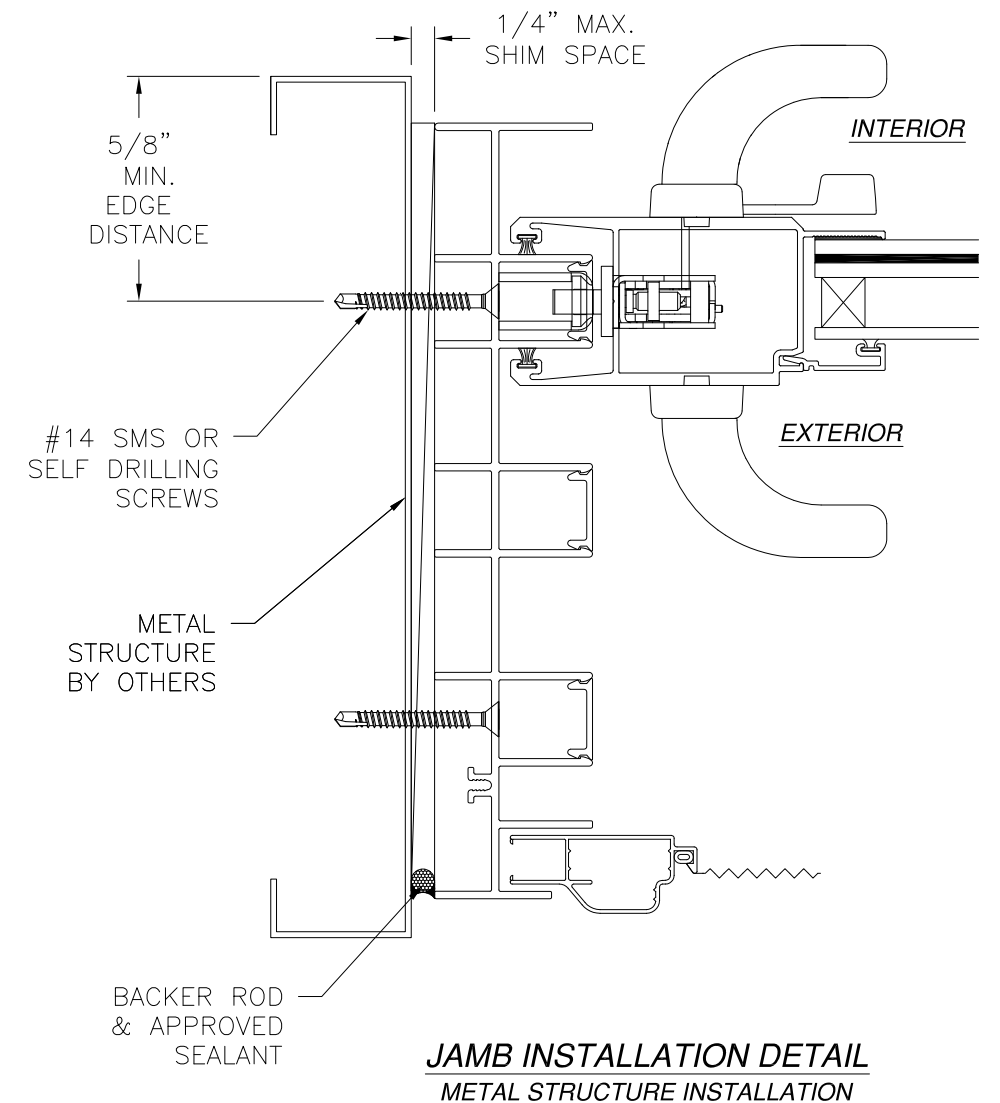


Luis R. Lomas P.E.
FL No.: 62514



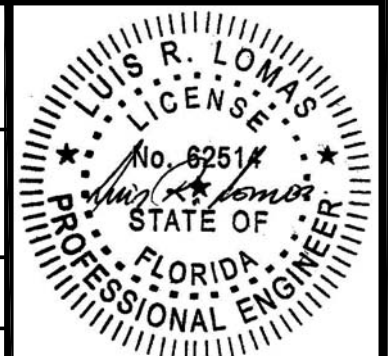
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.

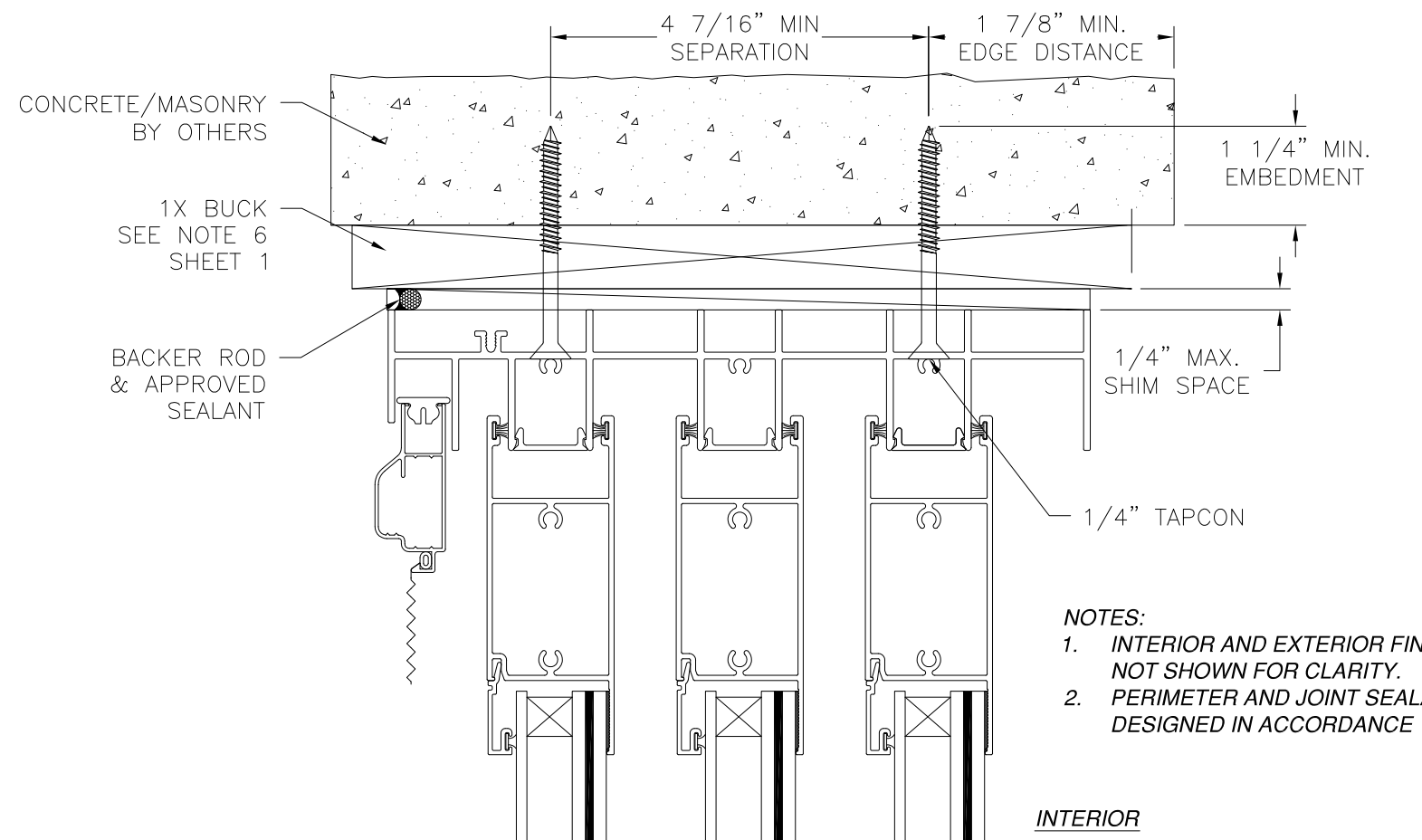


MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 3 TRACK FINLESS INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 10 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

SIGNED: 10/19/2022



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

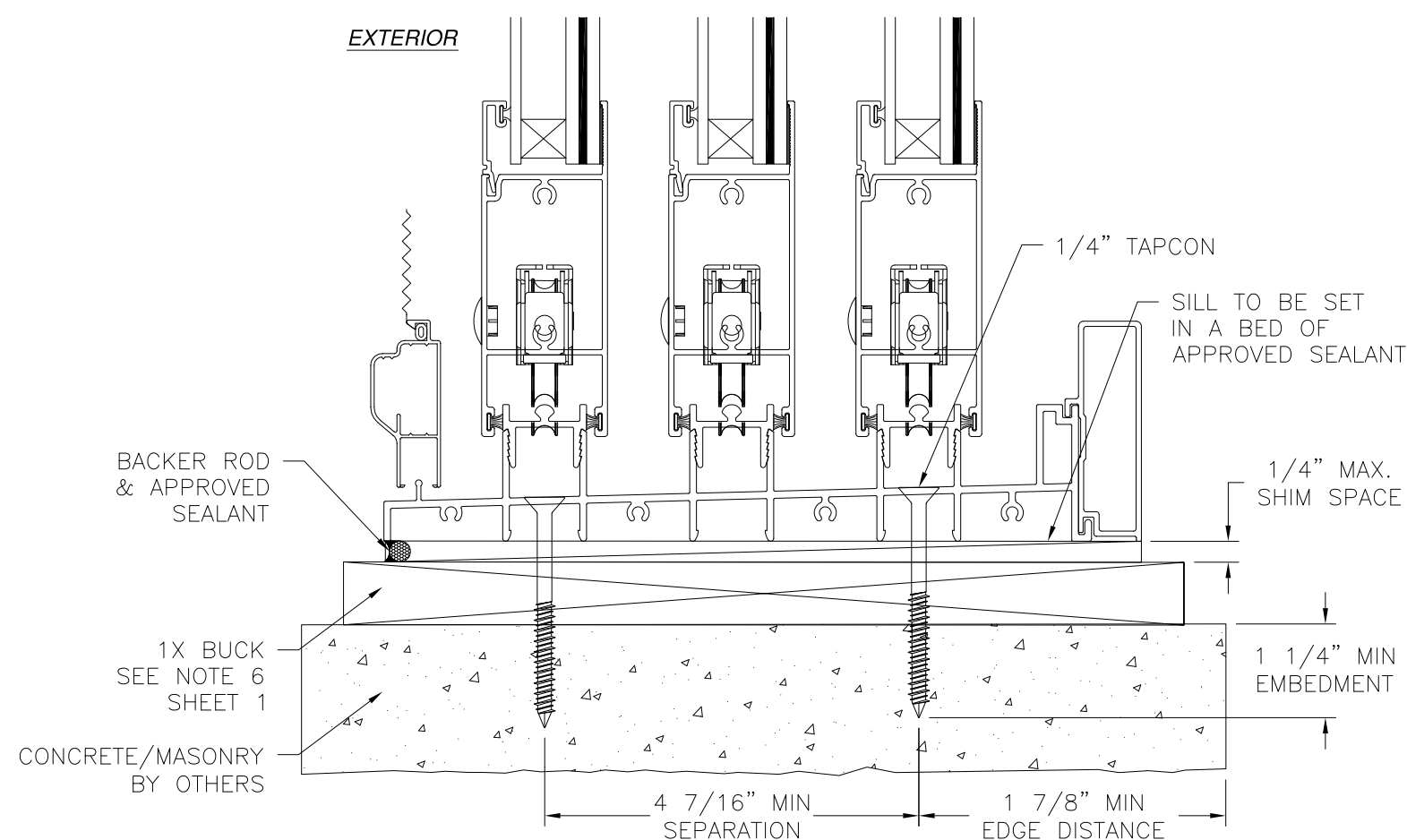


NOTES:

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

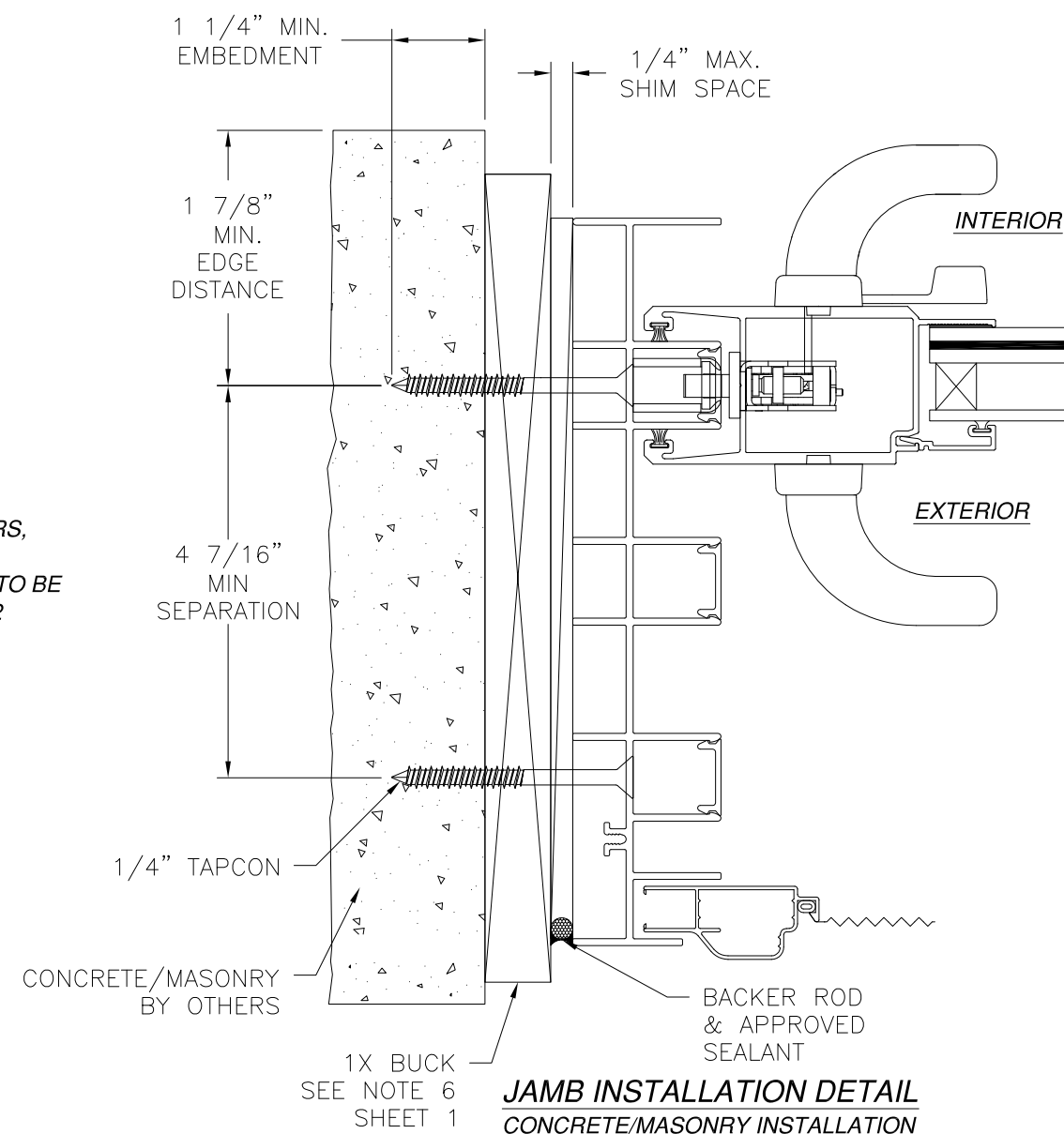
INTERIOR

EXTERIOR



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

SIGNED: 10/19/2022

MI WINDOWS AND DOORS LLC

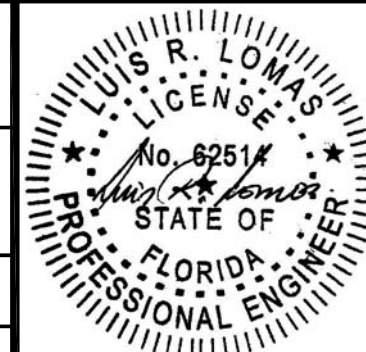
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT

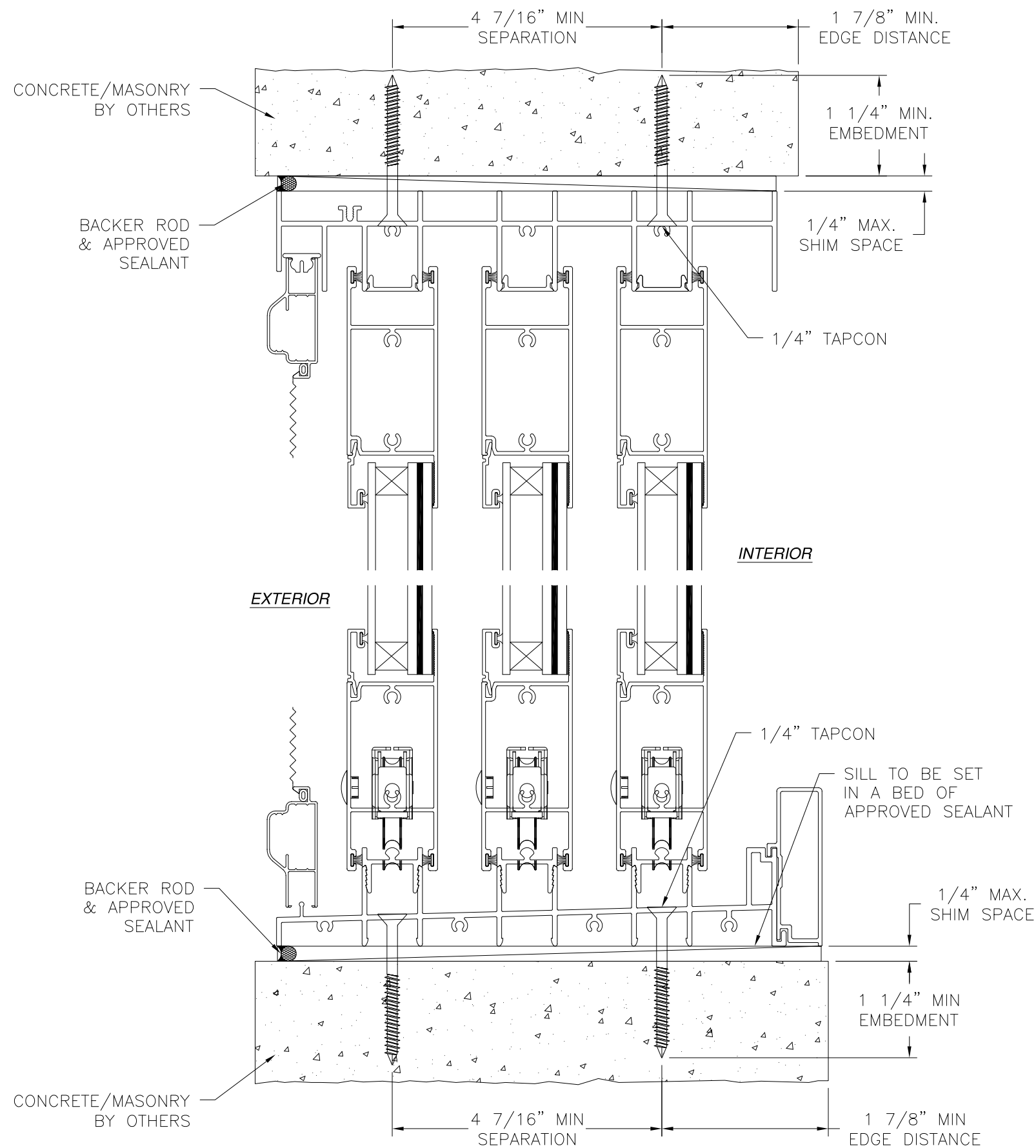
3 TRACK FINLESS INSTALLATION DETAILS

DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 11 OF 31

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



Luis R. Lomas P.E.
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VERTICAL CROSS SECTION
 CONCRETE/MASONRY INSTALLATION
 HEAD AND SILL SHOWN, JAMBS SIMILAR

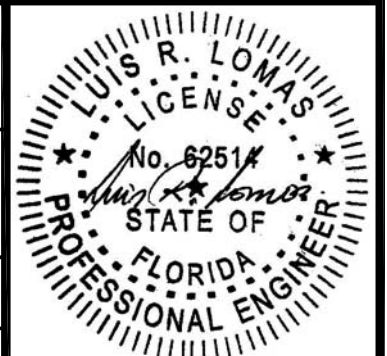
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REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.

NOTES:

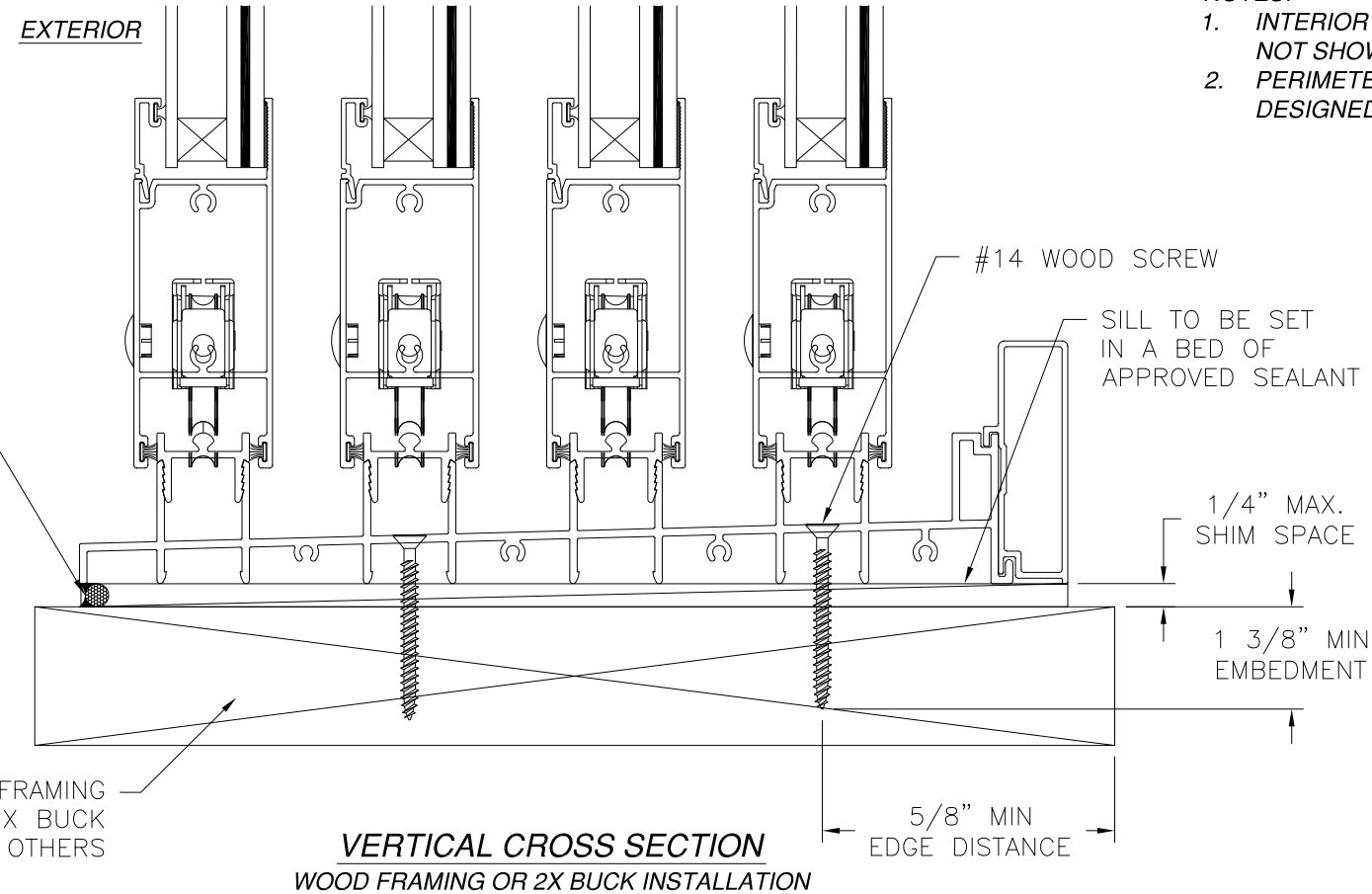
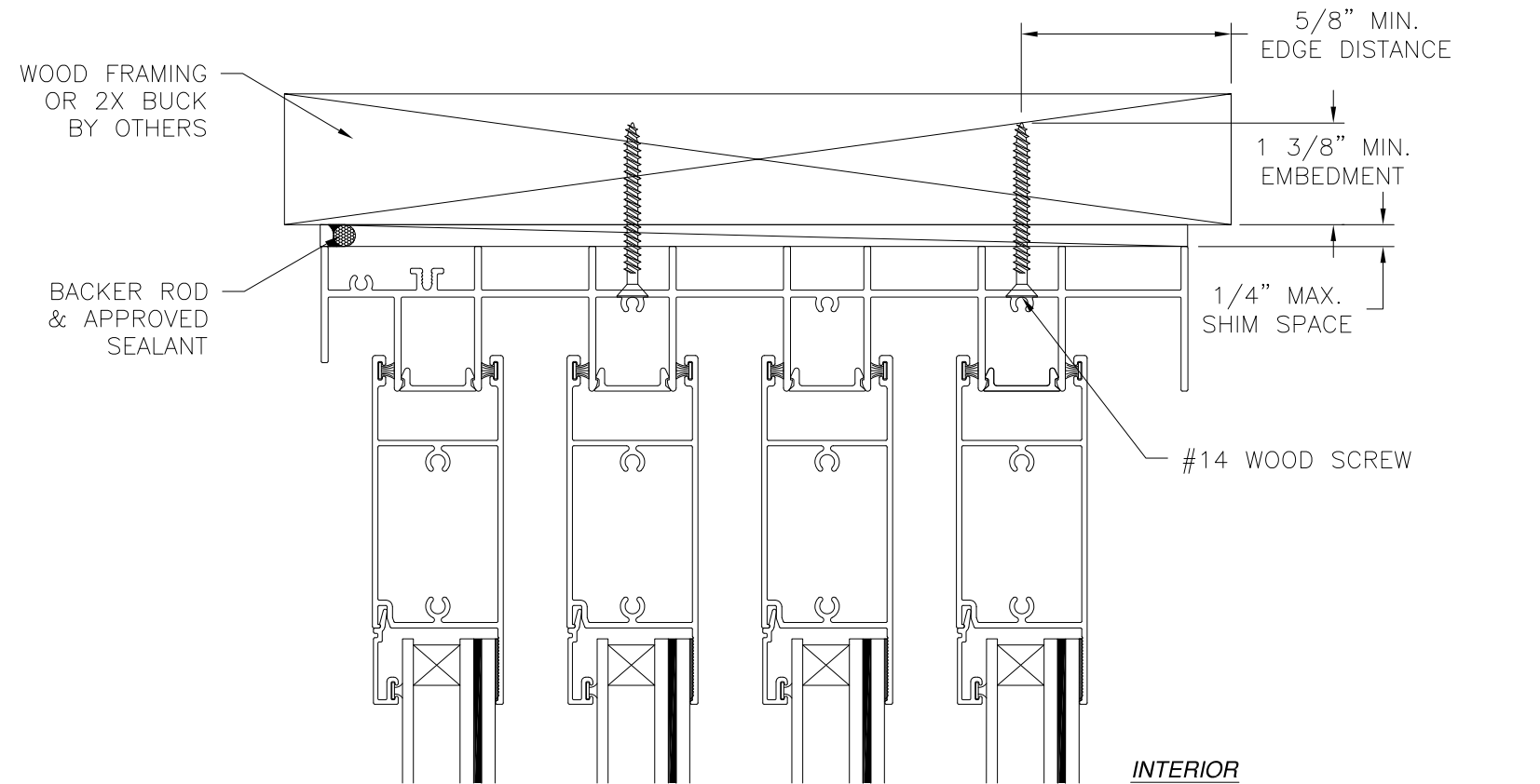
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MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 3 TRACK FINLESS INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 12 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/19/2022



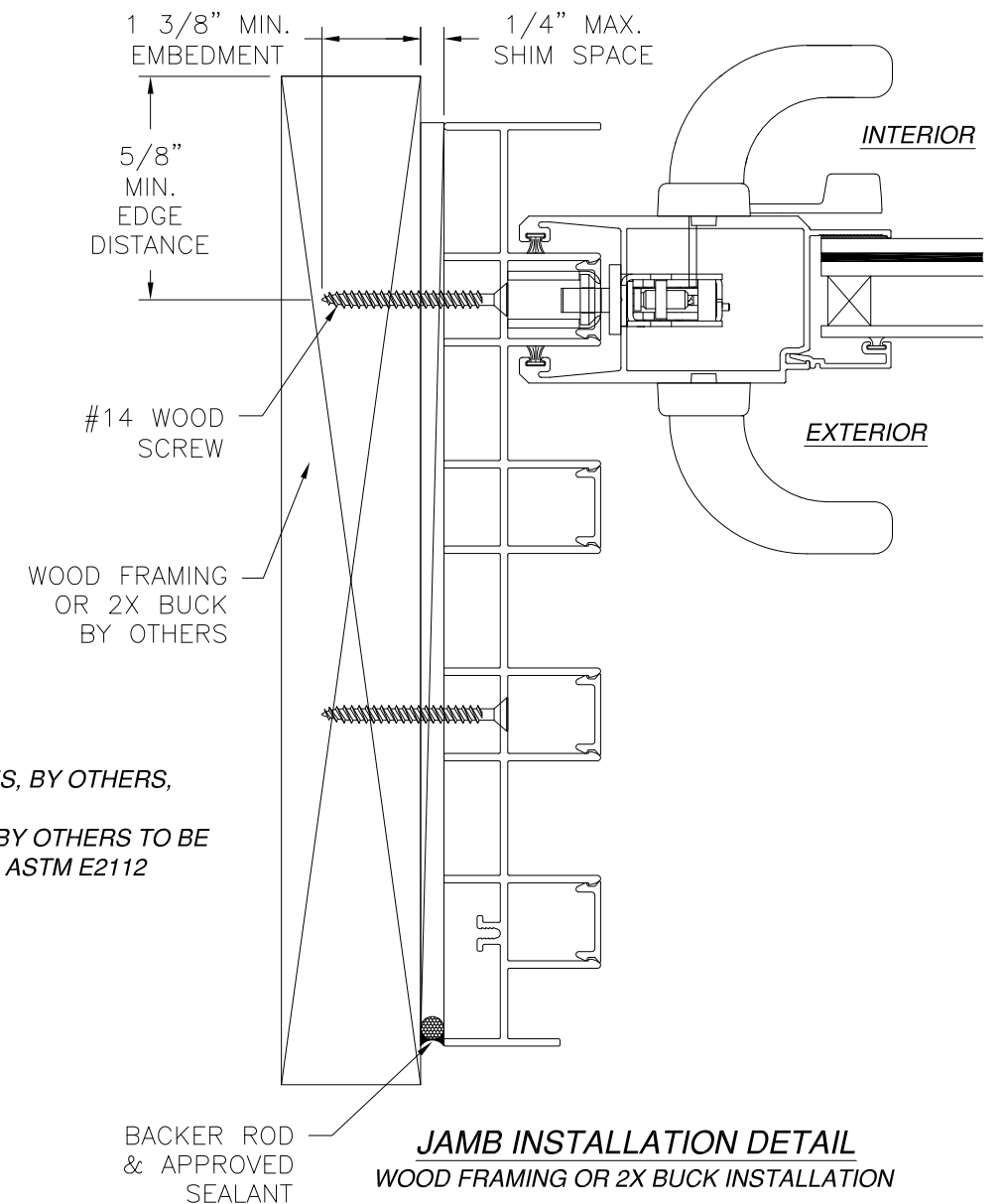
Luis R. Lomas P.E.
 FL No.: 62514



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:**
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

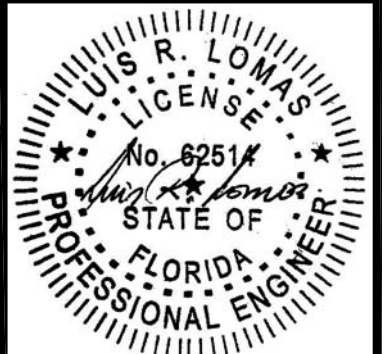
MI WINDOWS AND DOORS LLC
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT
4 TRACK FINLESS INSTALLATION DETAILS

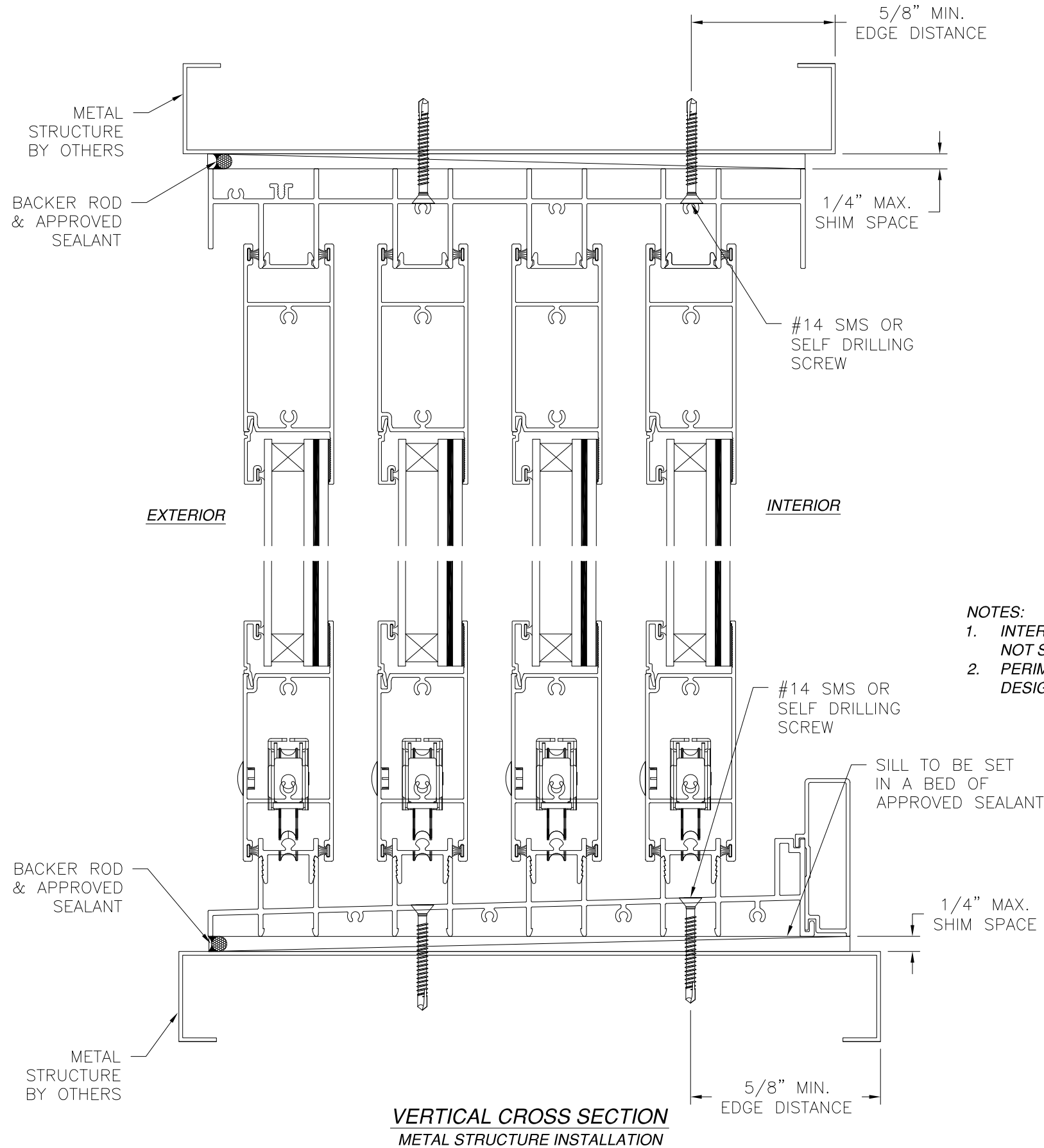
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 13 OF 31

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

SIGNED: 10/19/2022



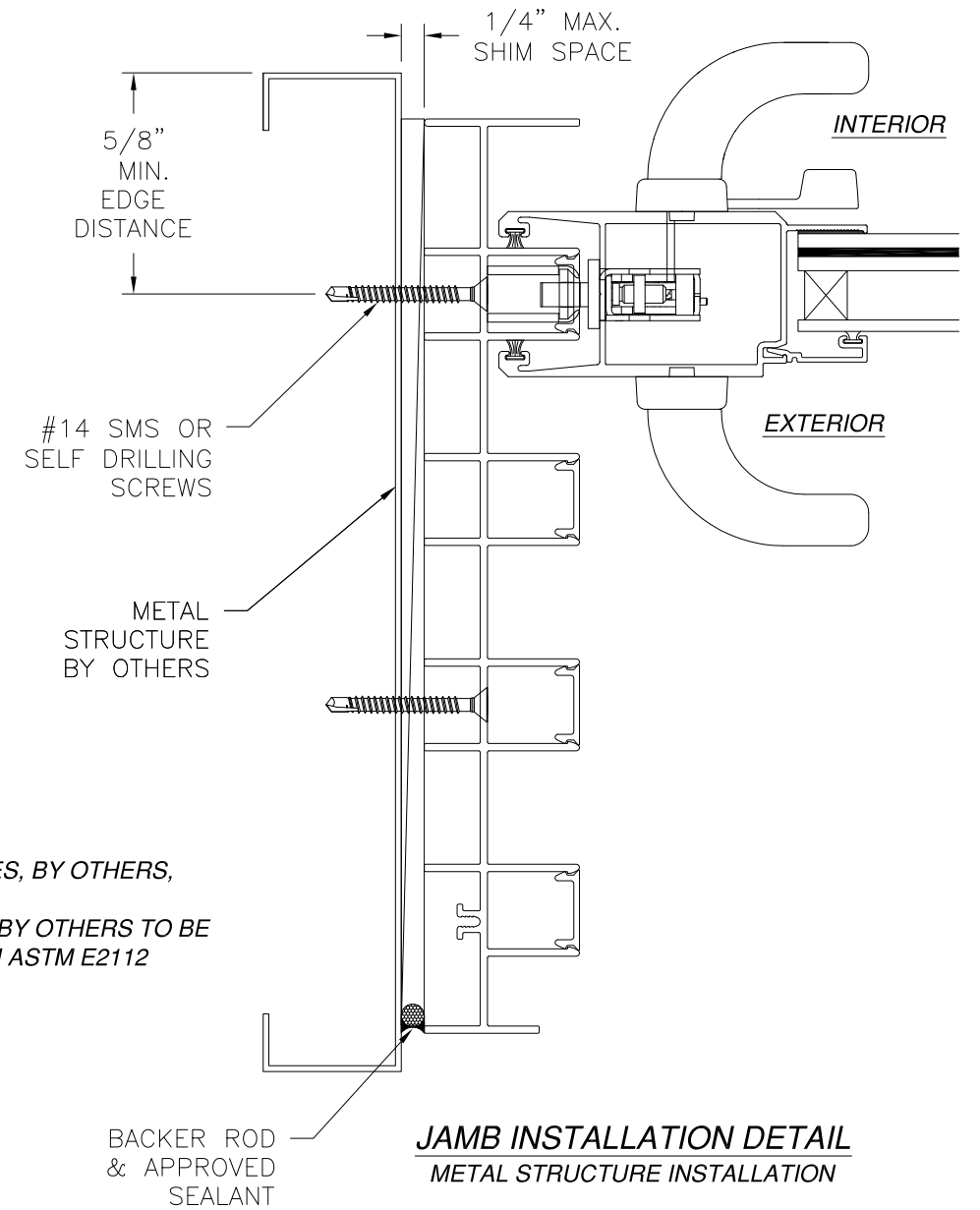
Luis R. Lomas P.E.
FL No.: 62514



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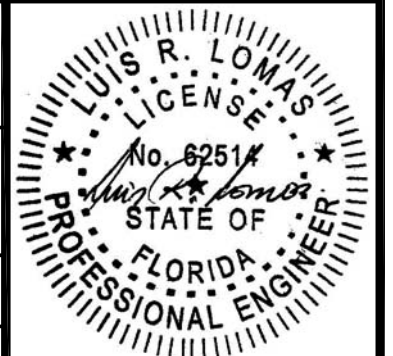
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.

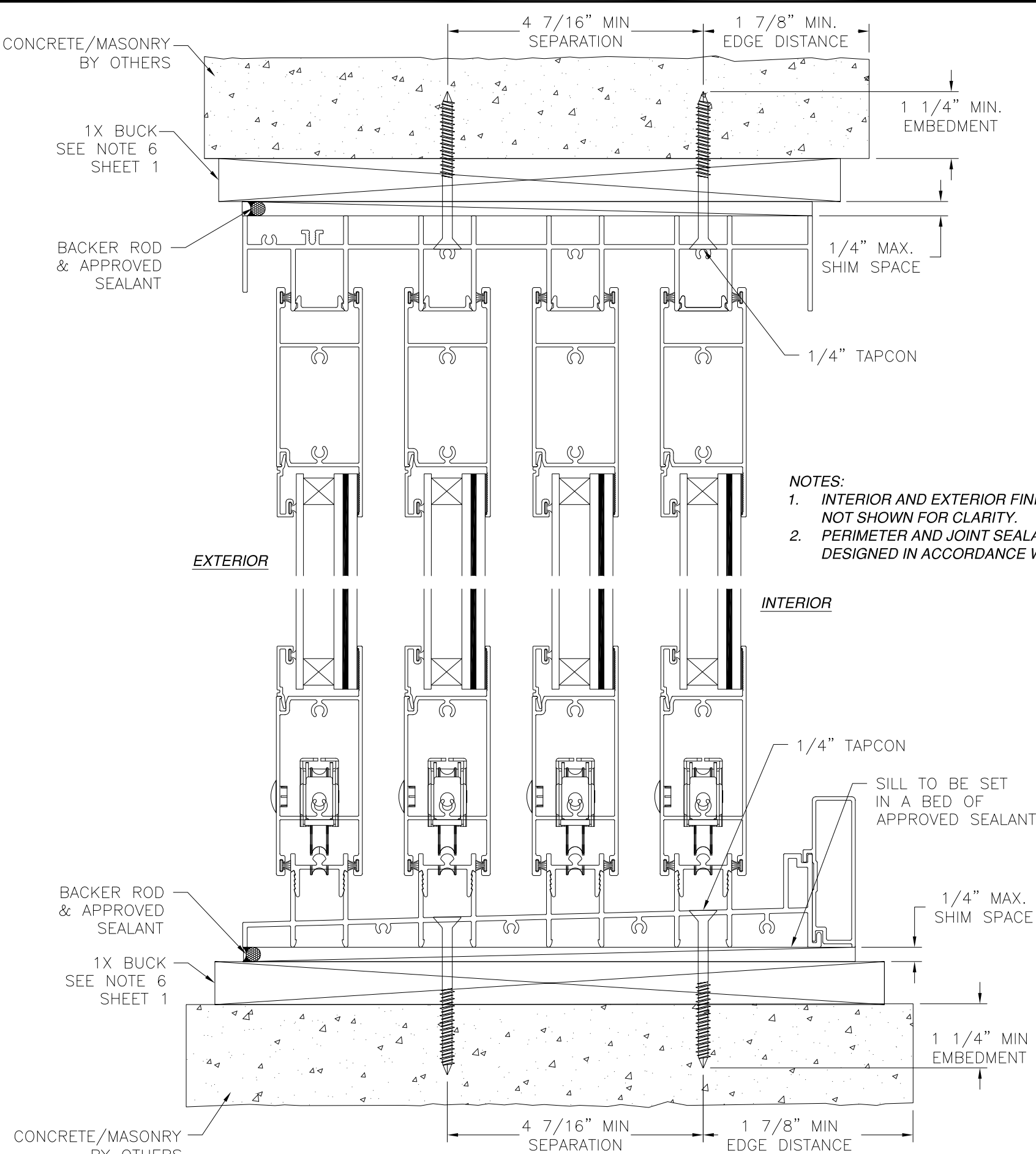


MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 4 TRACK FINLESS INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 14 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

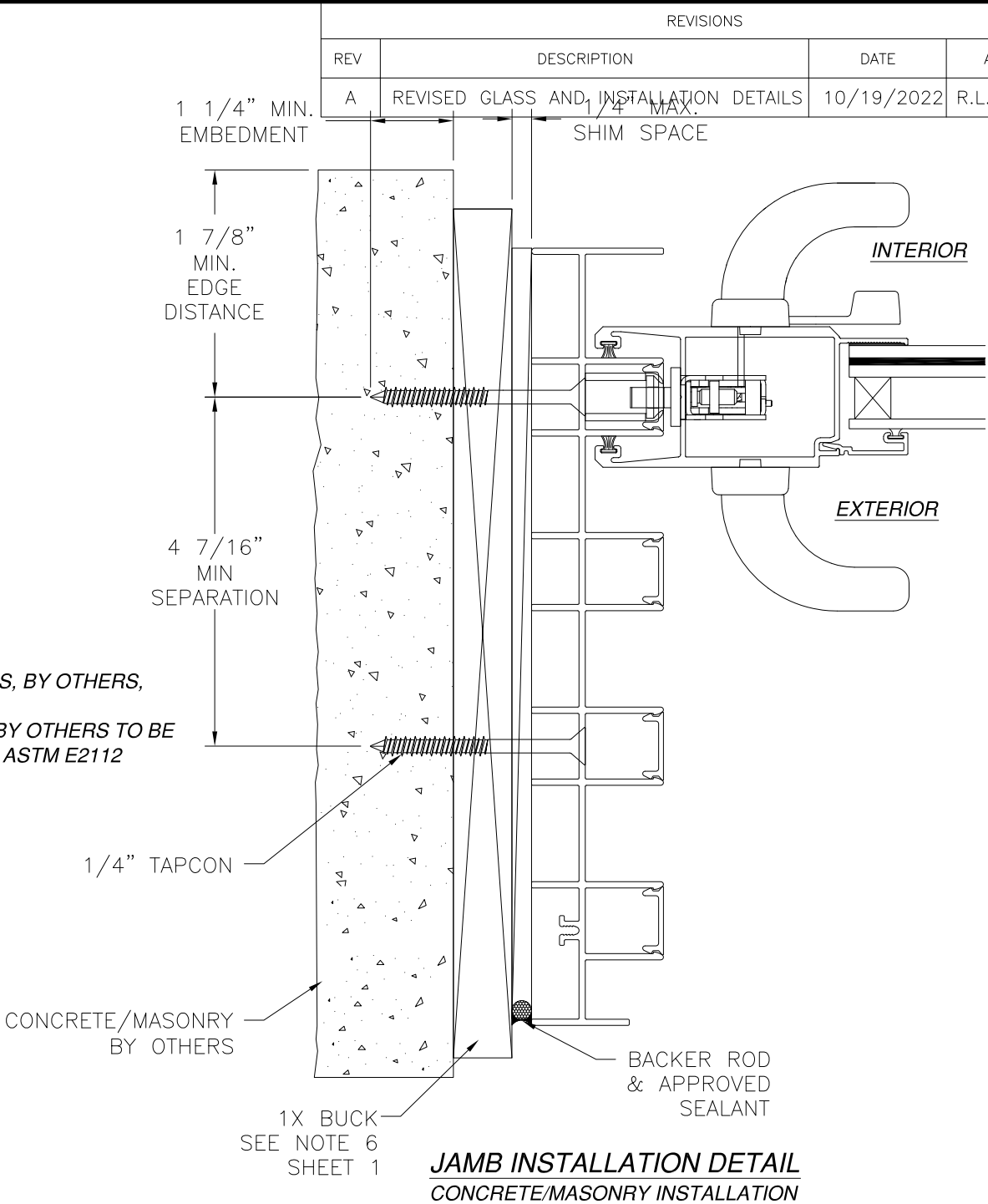
SIGNED: 10/19/2022



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



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.
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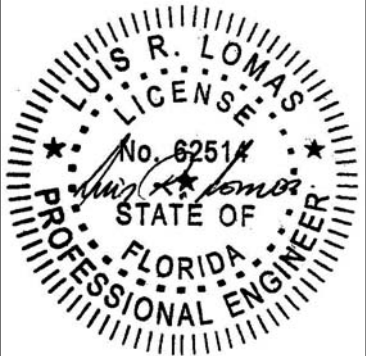
MI WINDOWS AND DOORS LLC
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT
4 TRACK FINLESS INSTALLATION DETAILS

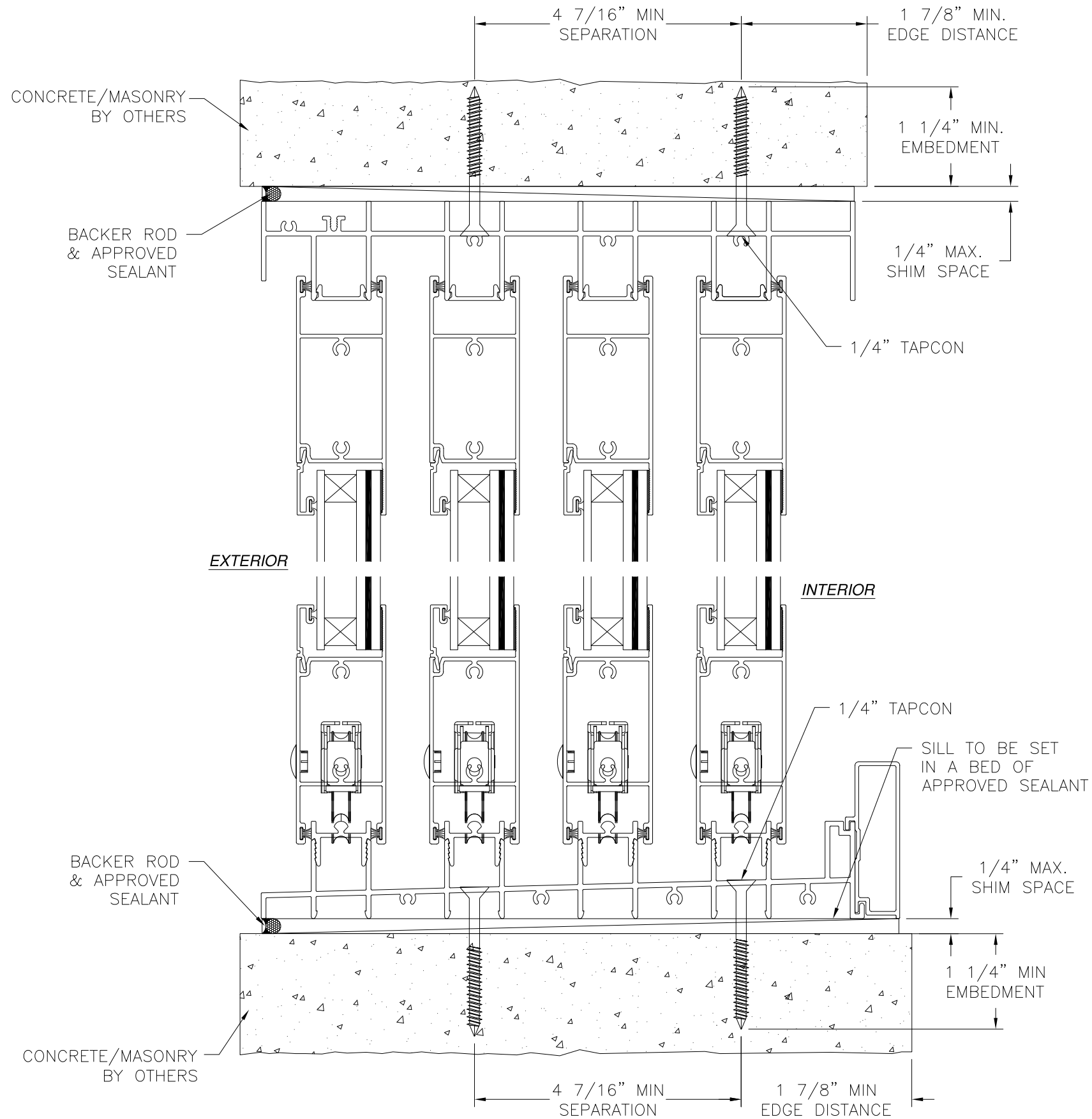
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SCALE NTS	DATE 04/13/17	SHEET 15 OF 31

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



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION
HEAD AND SILL SHOWN, JAMBS SIMILAR

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.

- NOTES:
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MI WINDOWS AND DOORS LLC
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT
4 TRACK FINLESS INSTALLATION DETAILS

DRAWN:
R.S.

DWG NO.
08-03086

REV
A

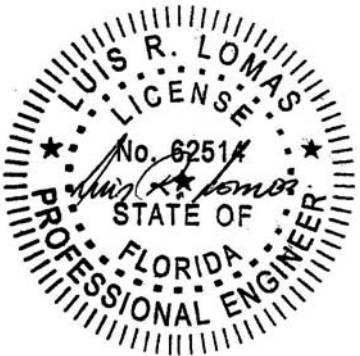
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NTS

DATE
04/13/17

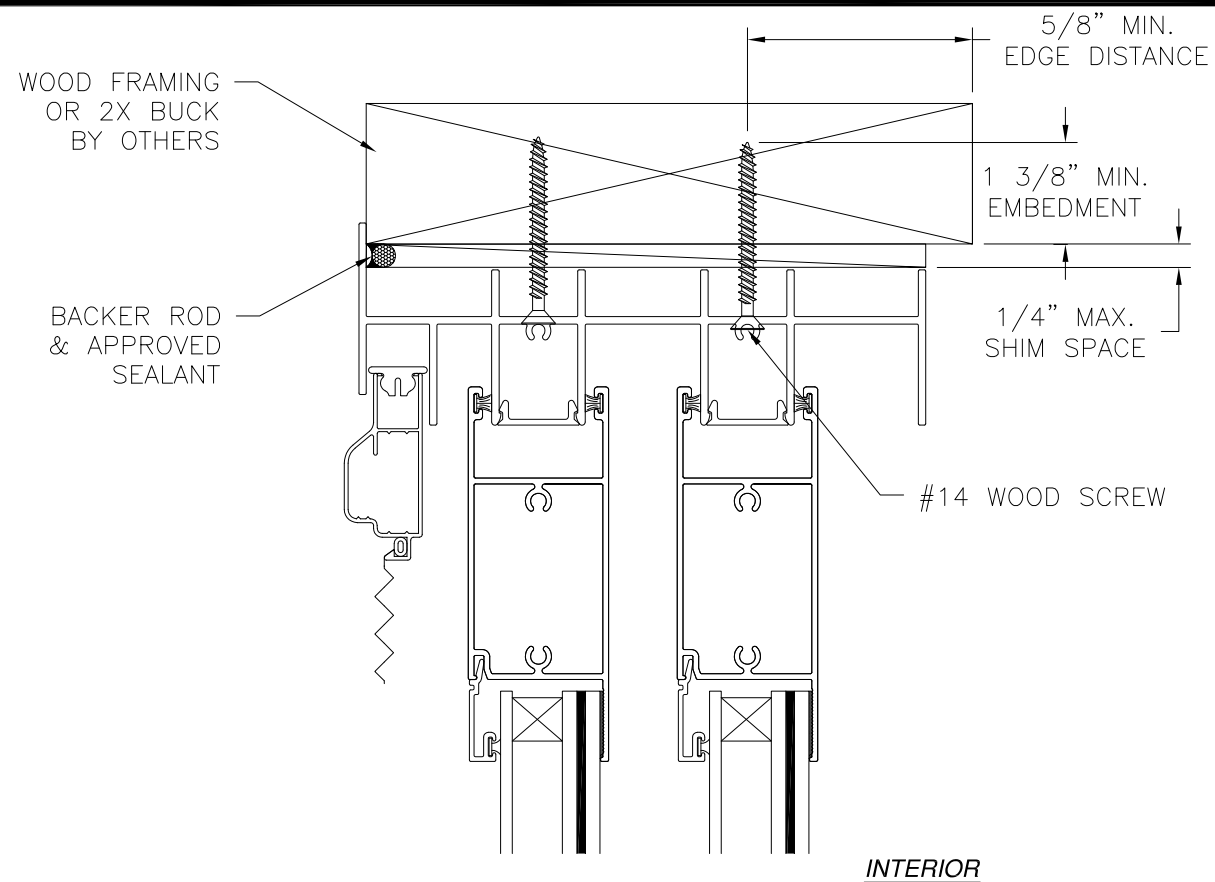
SHEET
16 OF 31

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

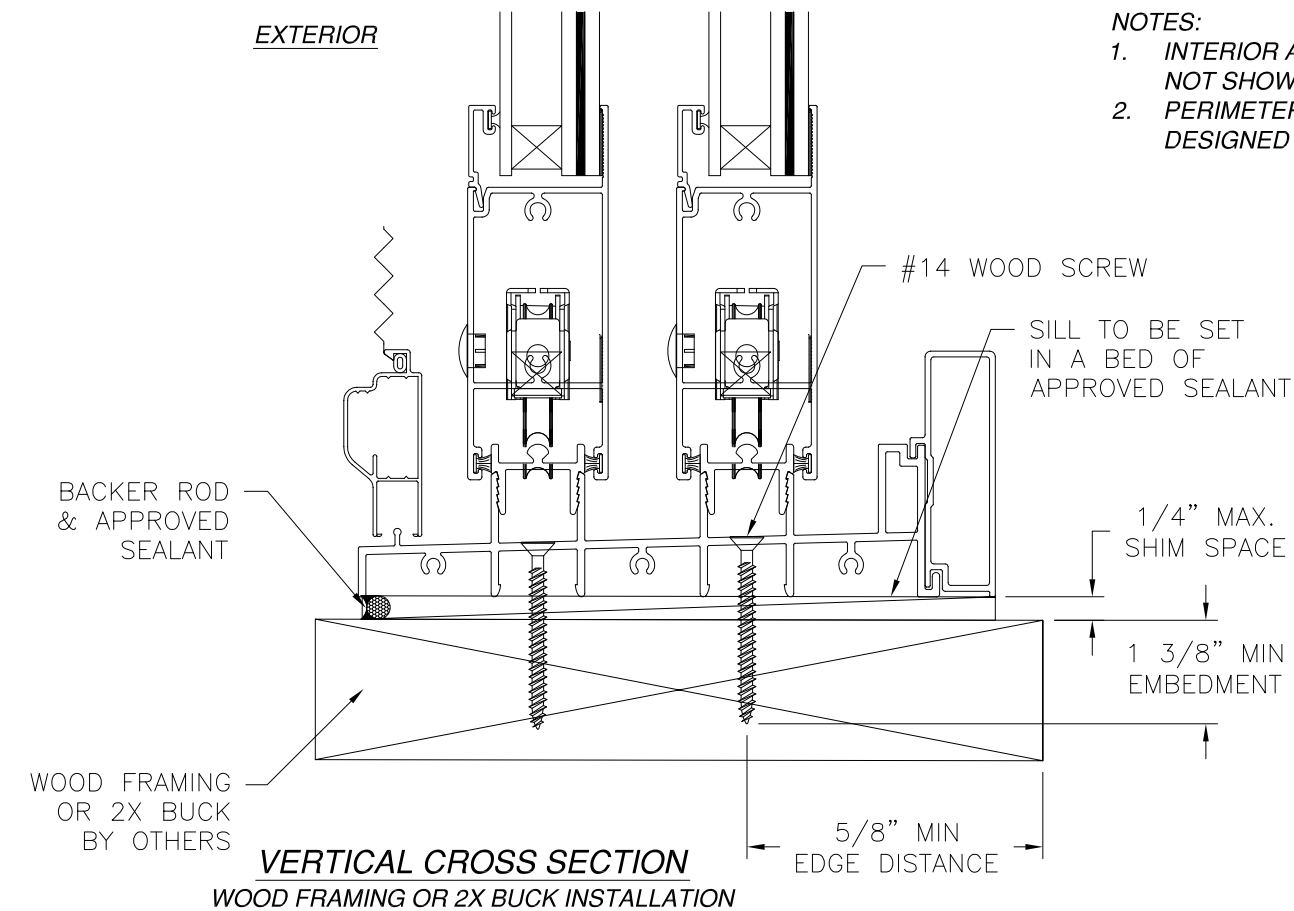
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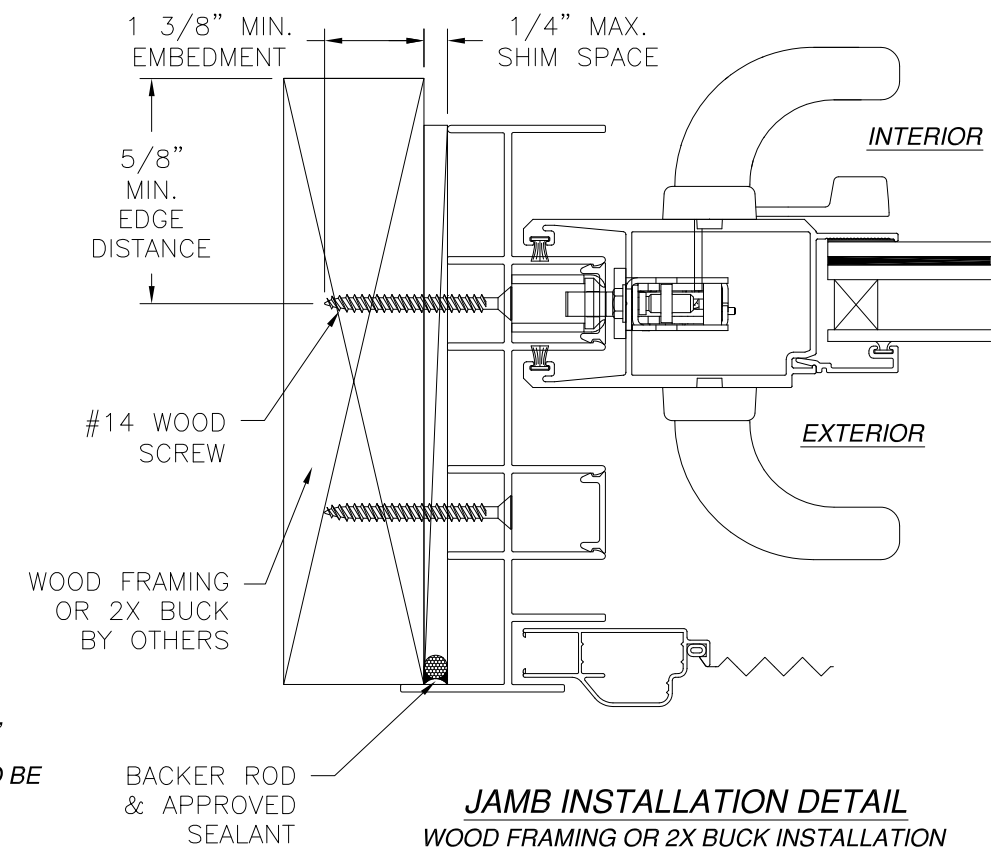
Luis R. Lomas P.E.
FL No.: 62514



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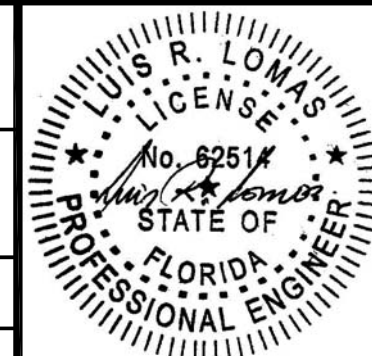


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.

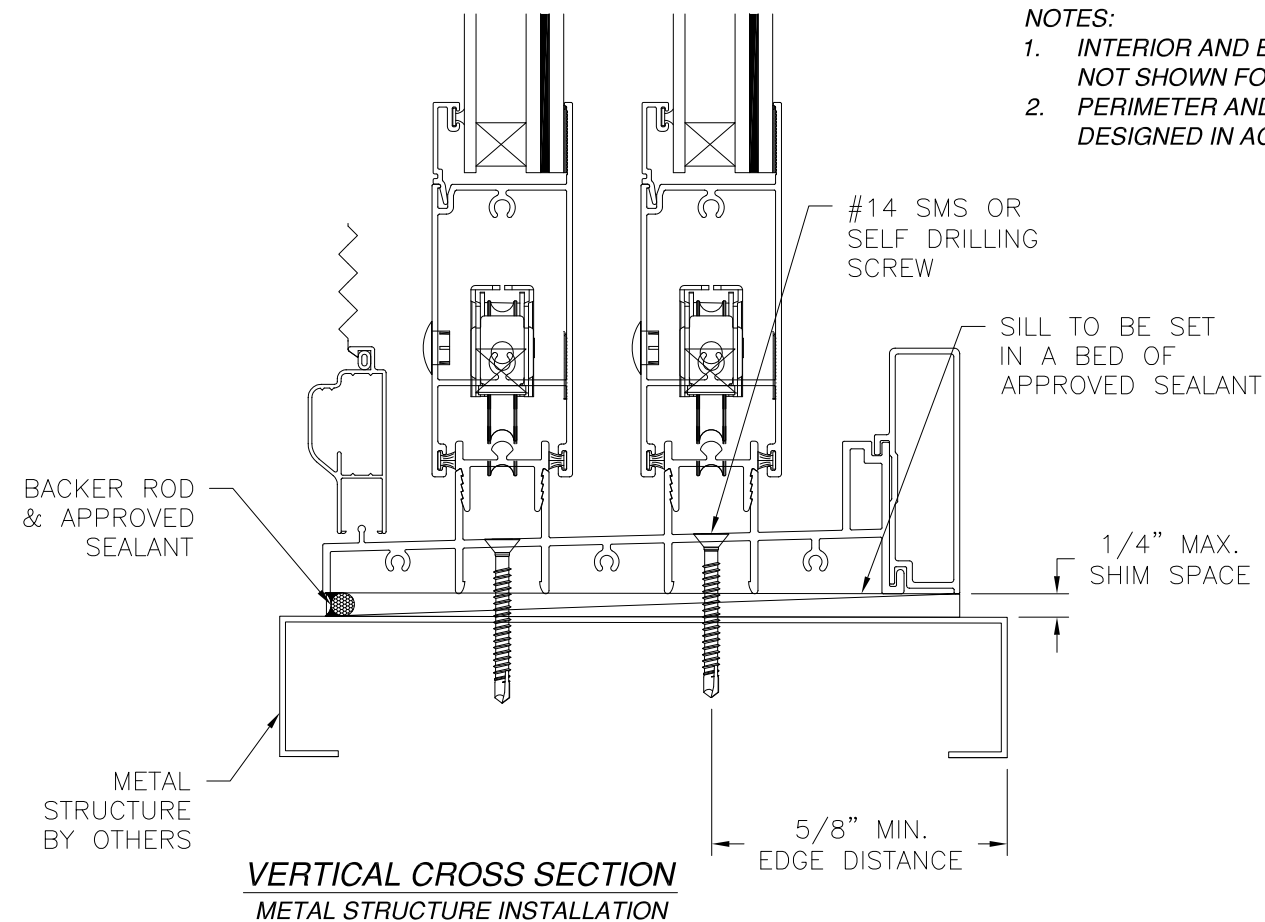
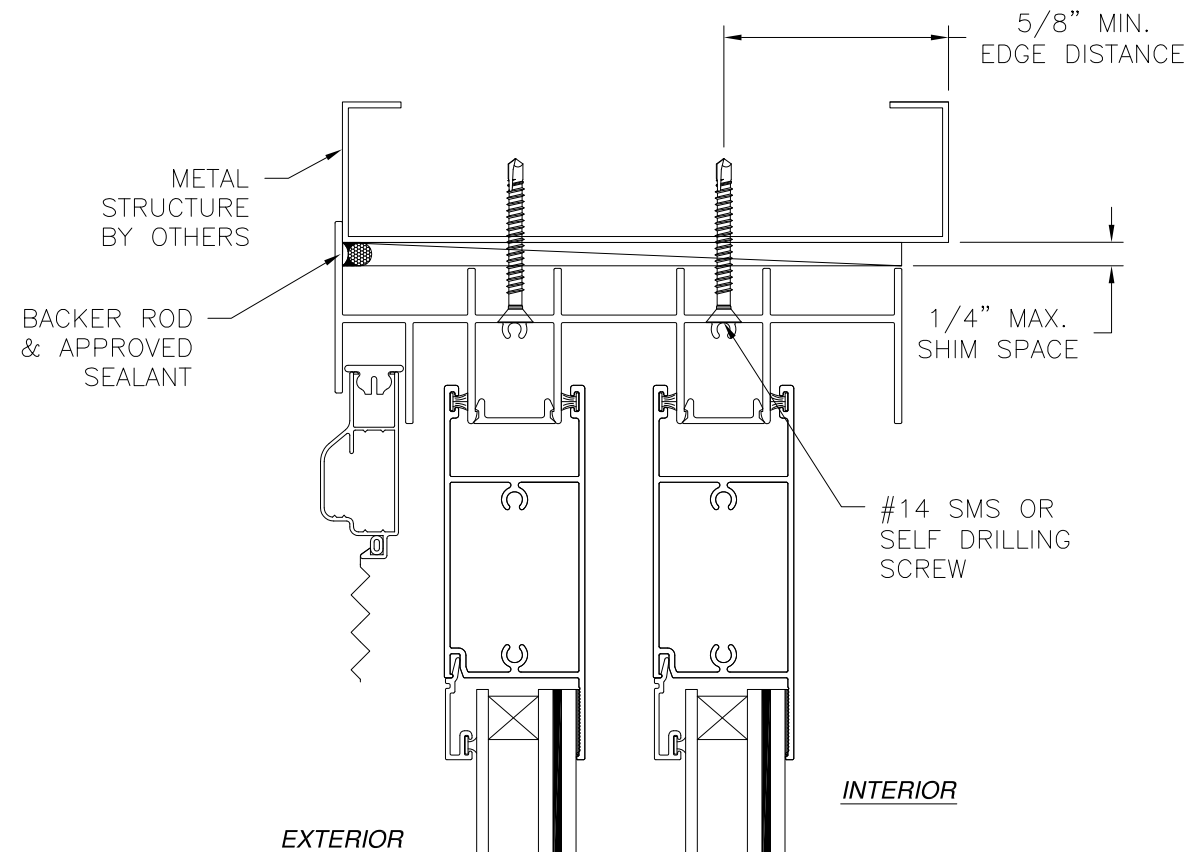


MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 2 TRACK FLANGE INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 17 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/19/2022

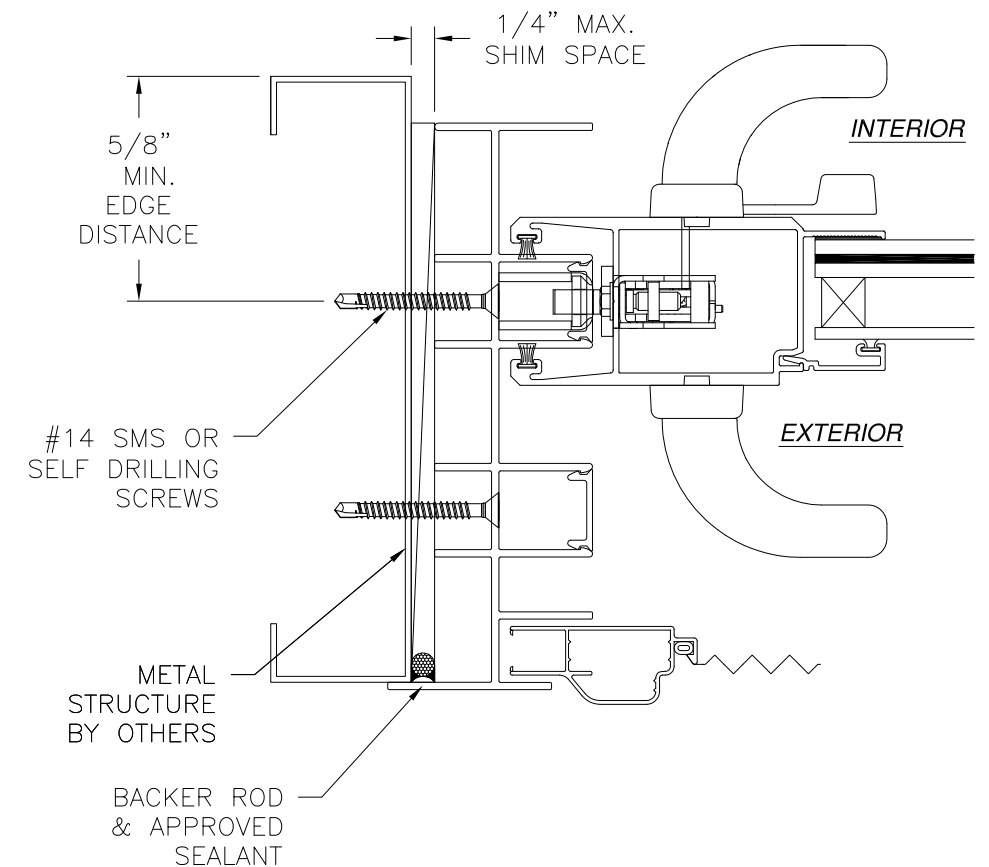


Luis R. Lomas P.E.
FL No.: 62514



- NOTES:**
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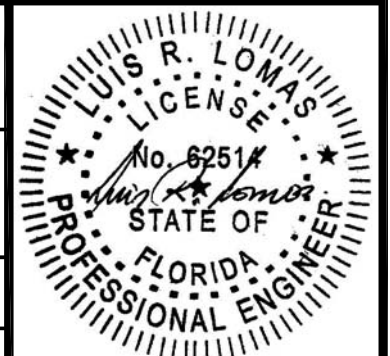
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



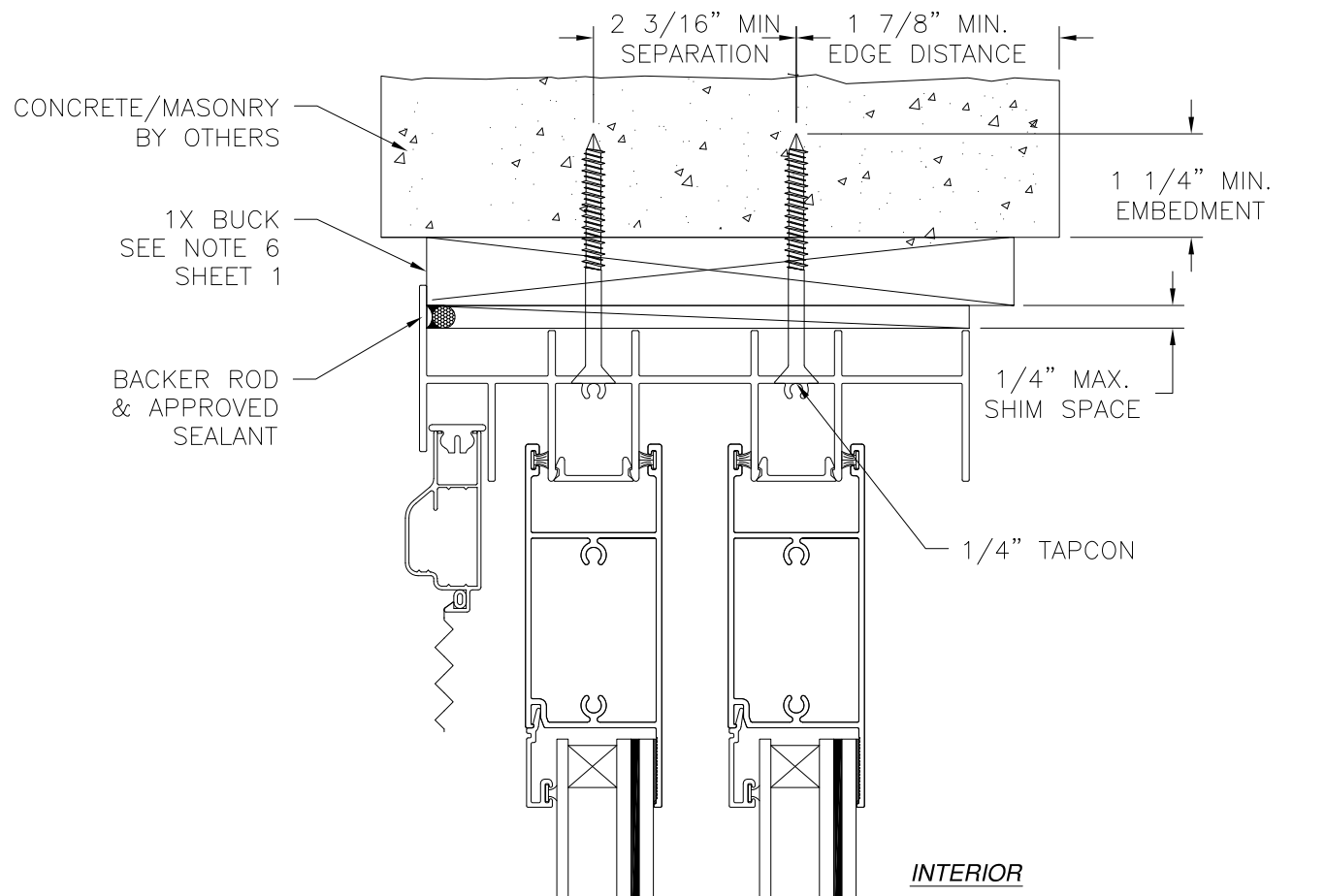
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 2 TRACK FLANGE INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 18 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

SIGNED: 10/19/2022

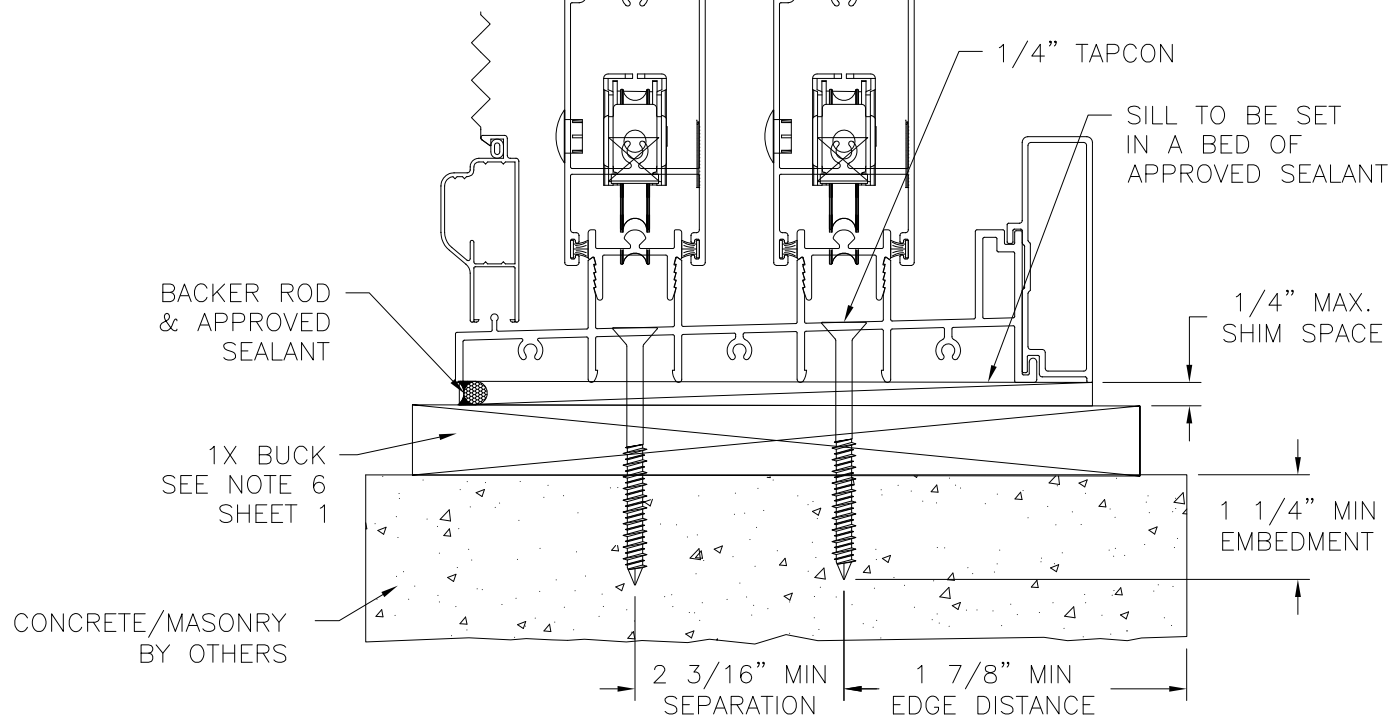


Luis R. Lomas P.E.
FL No.: 62514



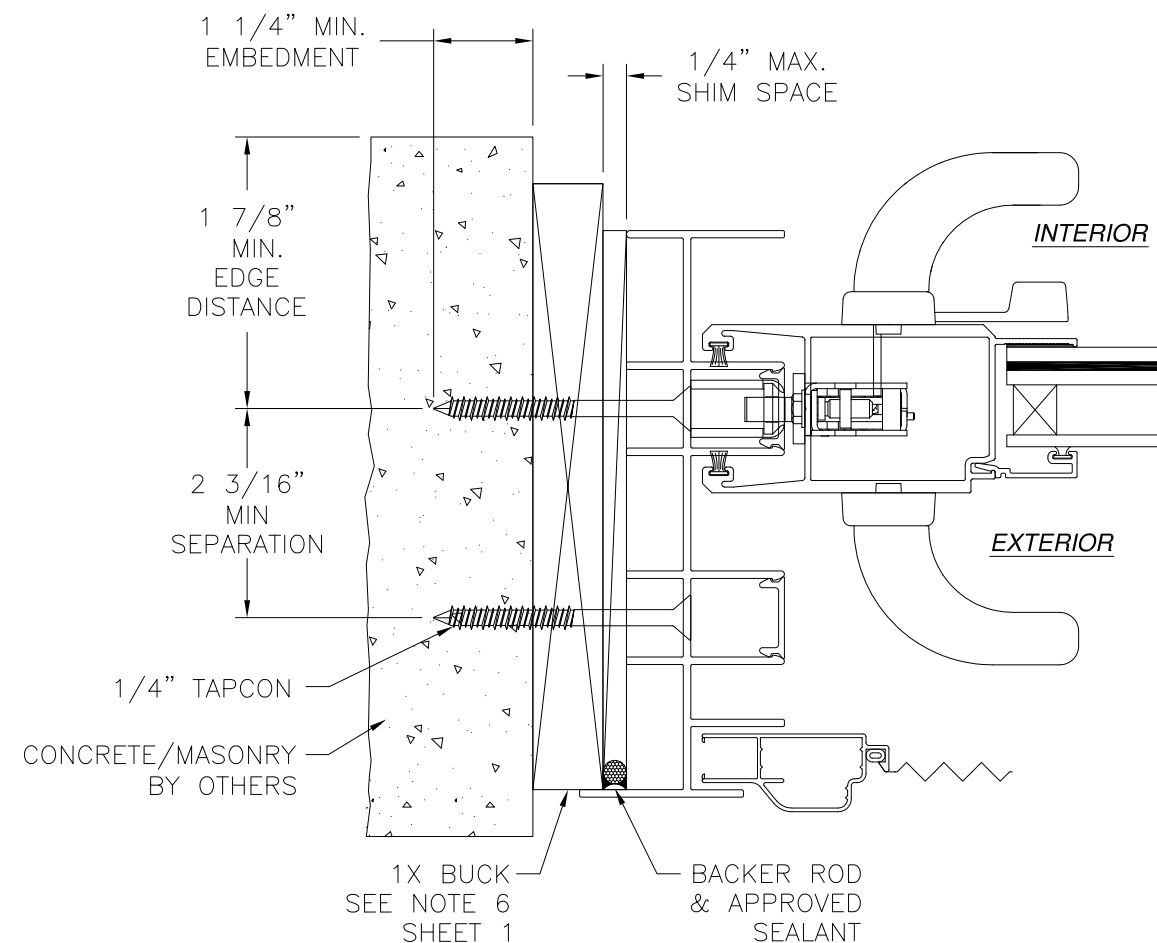
EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



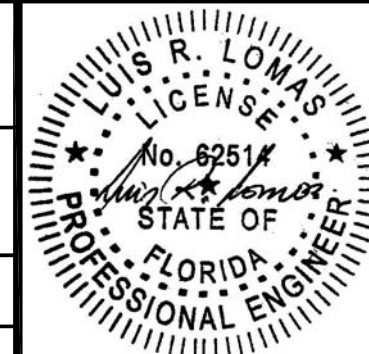
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

NOTES:

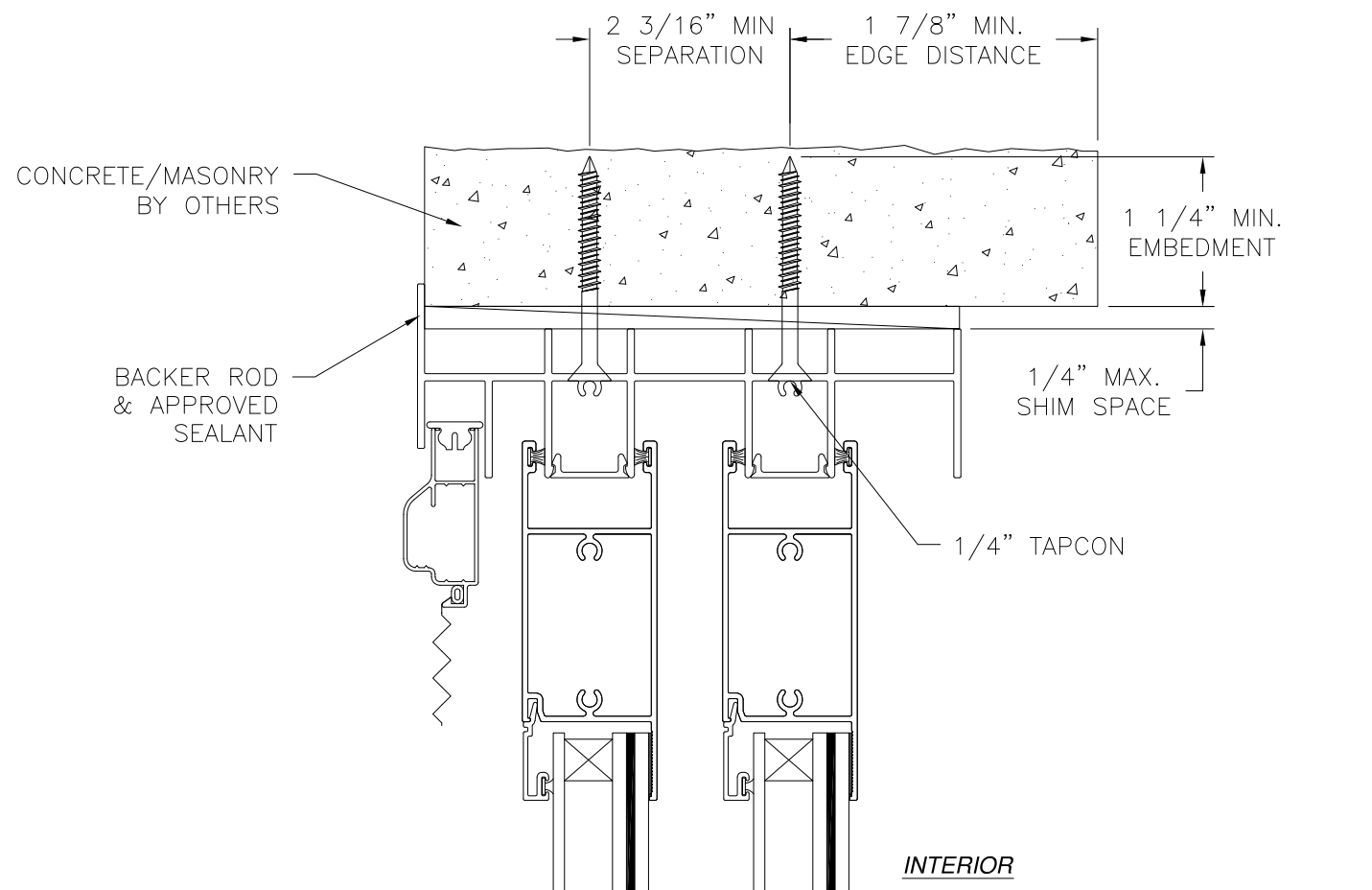
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SIGNED: 10/19/2022

MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 2 TRACK FLANGE INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 19 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

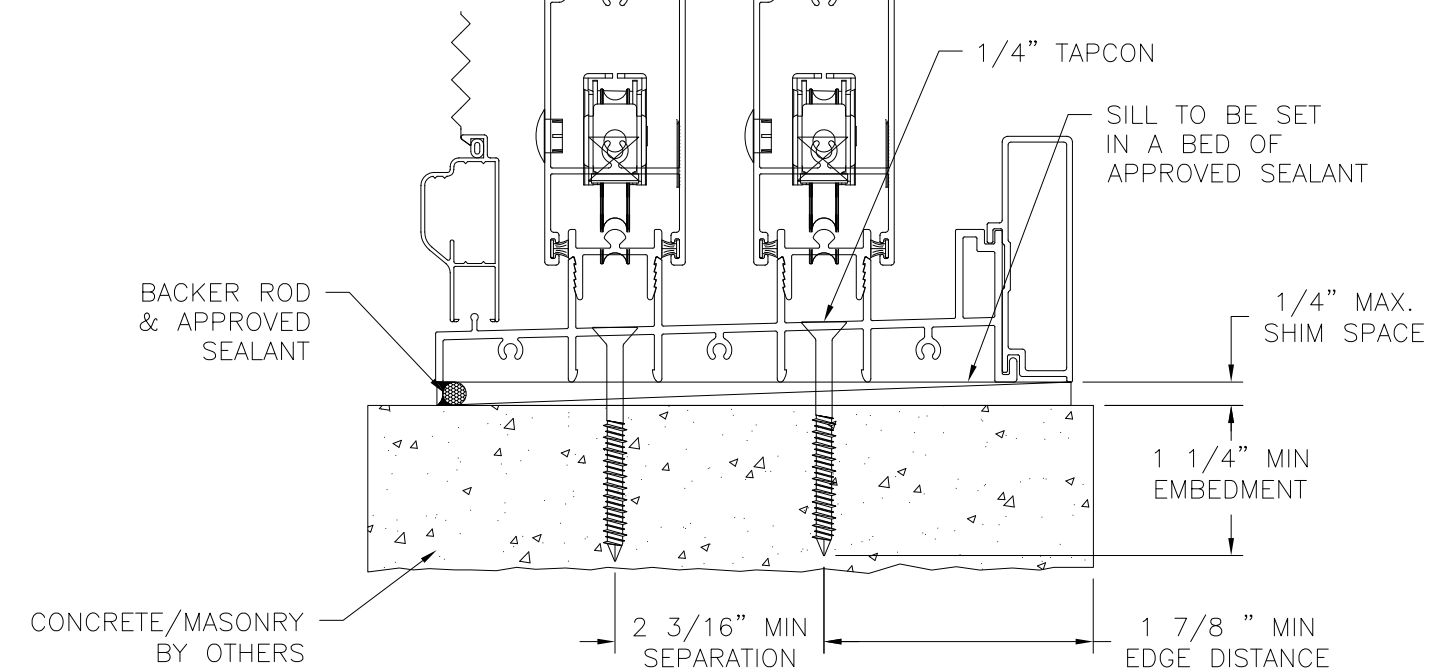


Luis R. Lomas P.E.
FL No.: 62514



EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION
HEAD AND SILL SHOWN, JAMBS SIMILAR

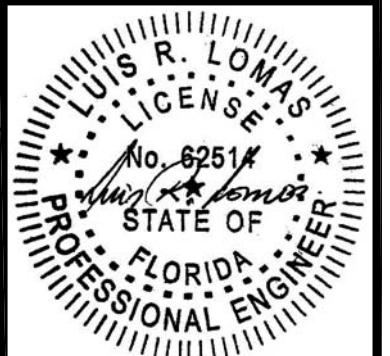
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.

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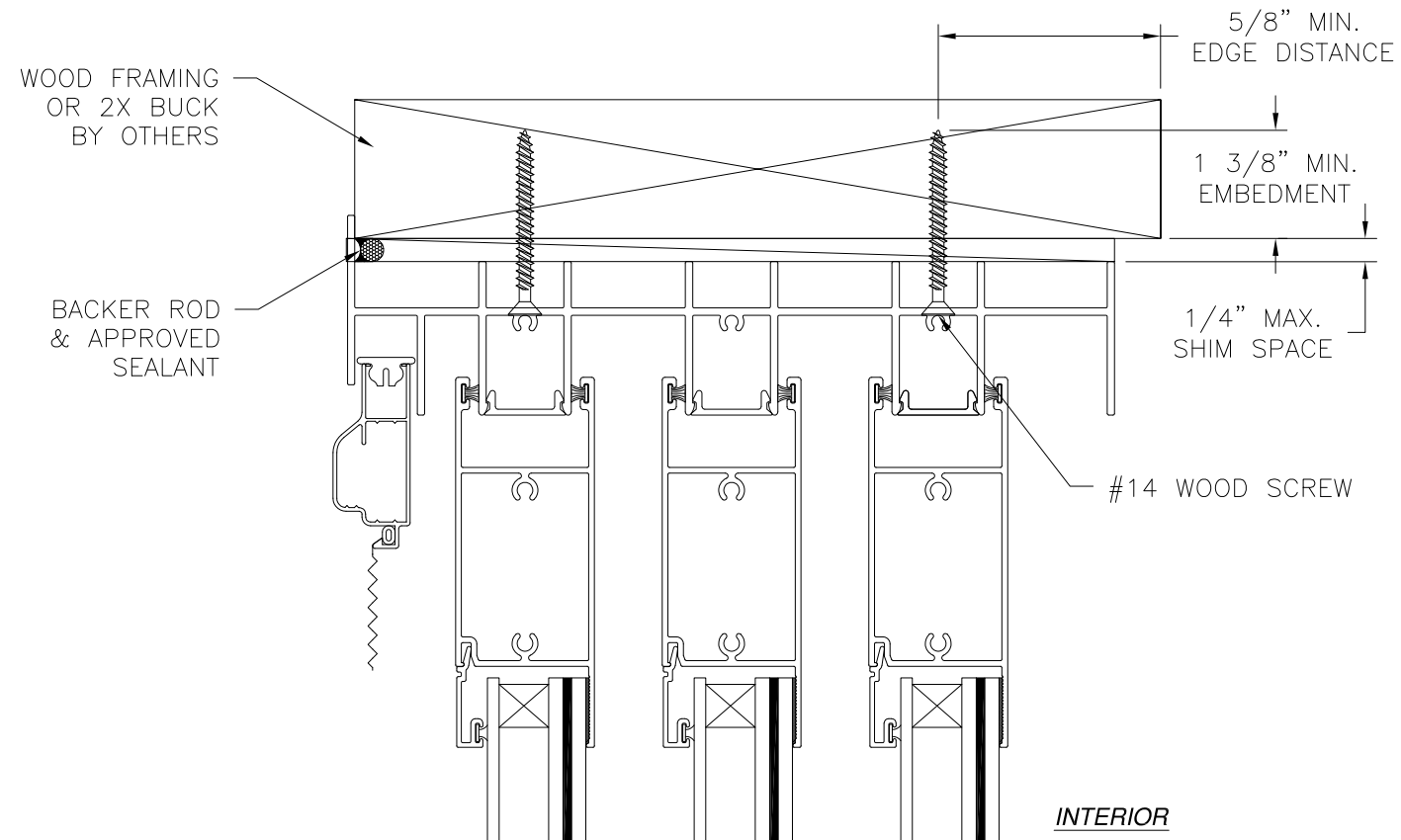
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SIGNED: 10/19/2022

MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 2 TRACK FLANGE INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 20 OF 31
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

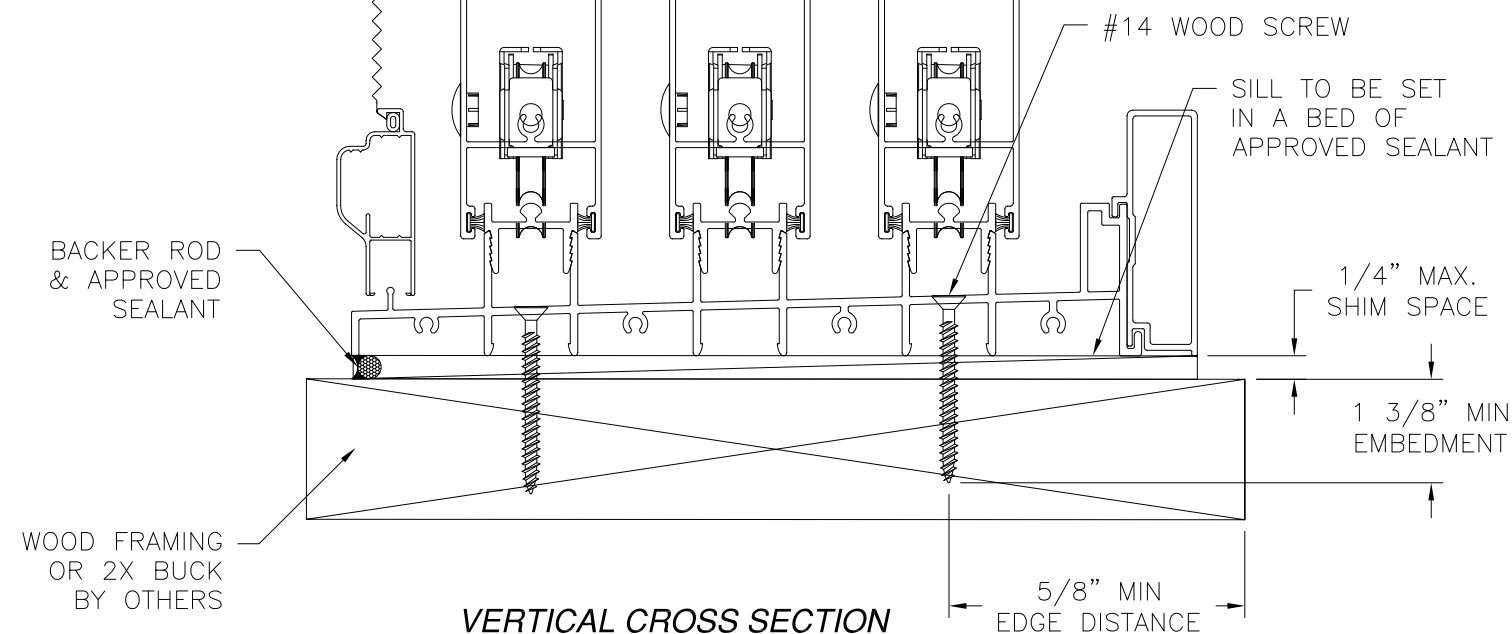


EXTERIOR

INTERIOR

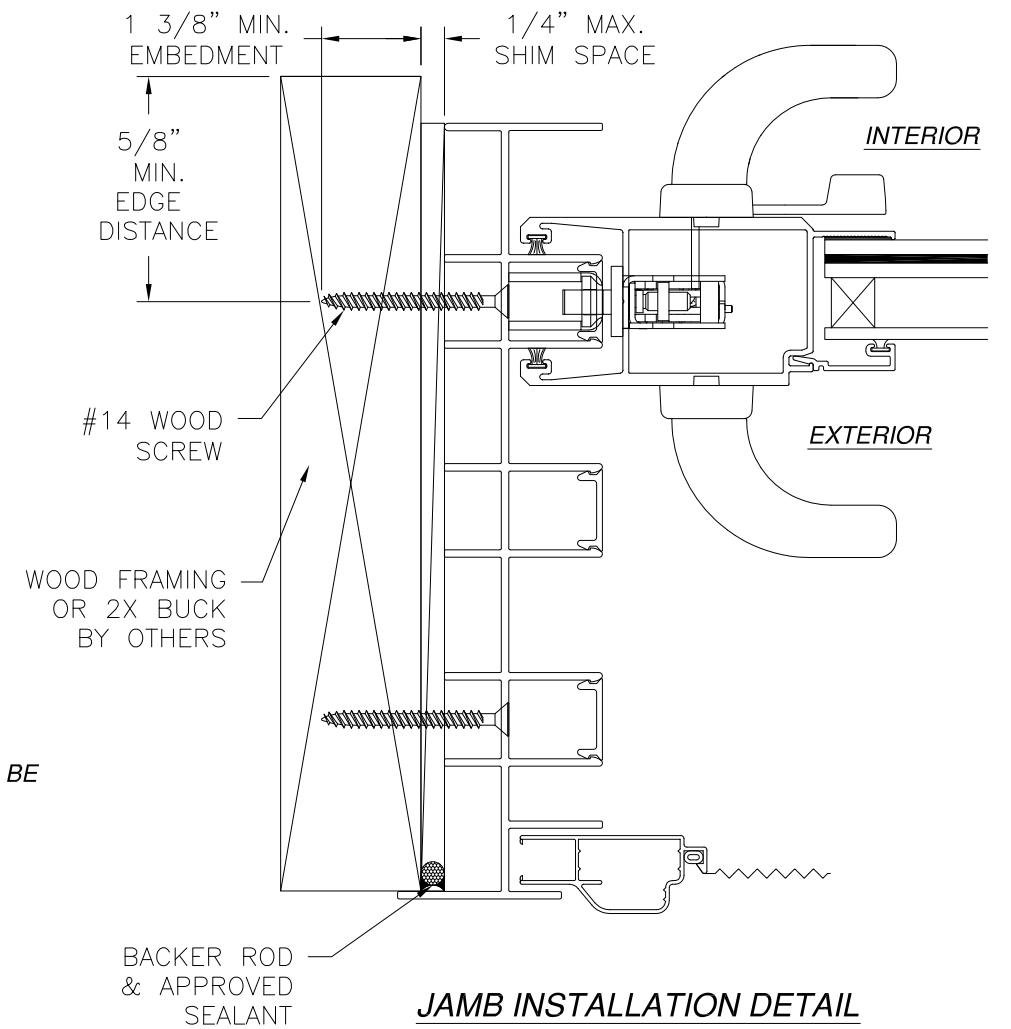
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

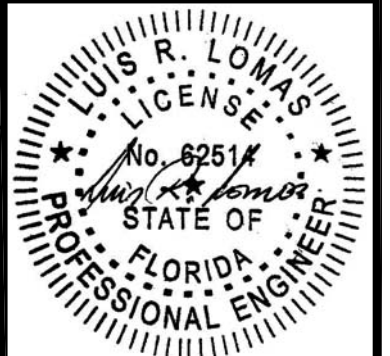
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

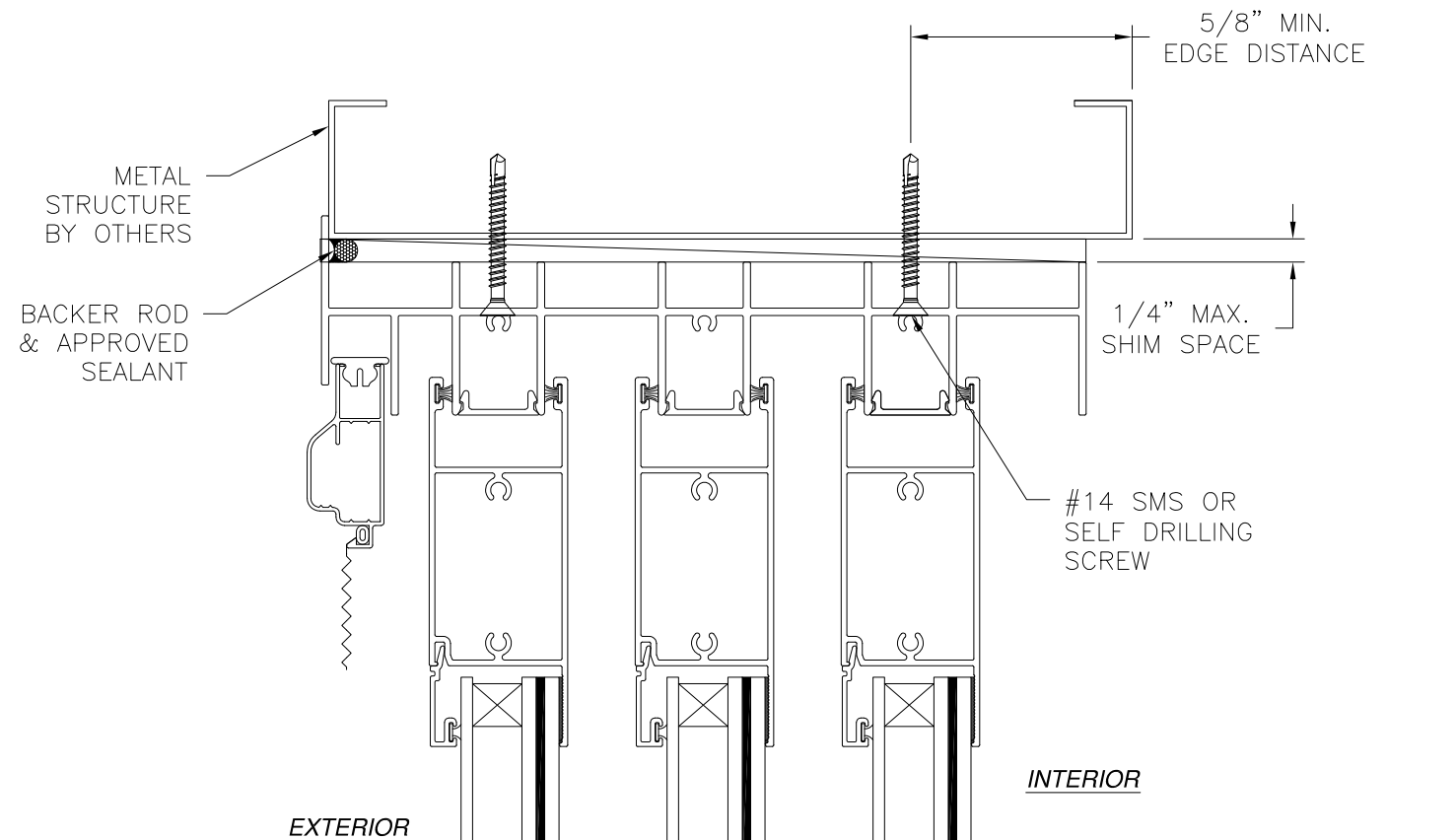
MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 3 TRACK FLANGE INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 21 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/19/2022

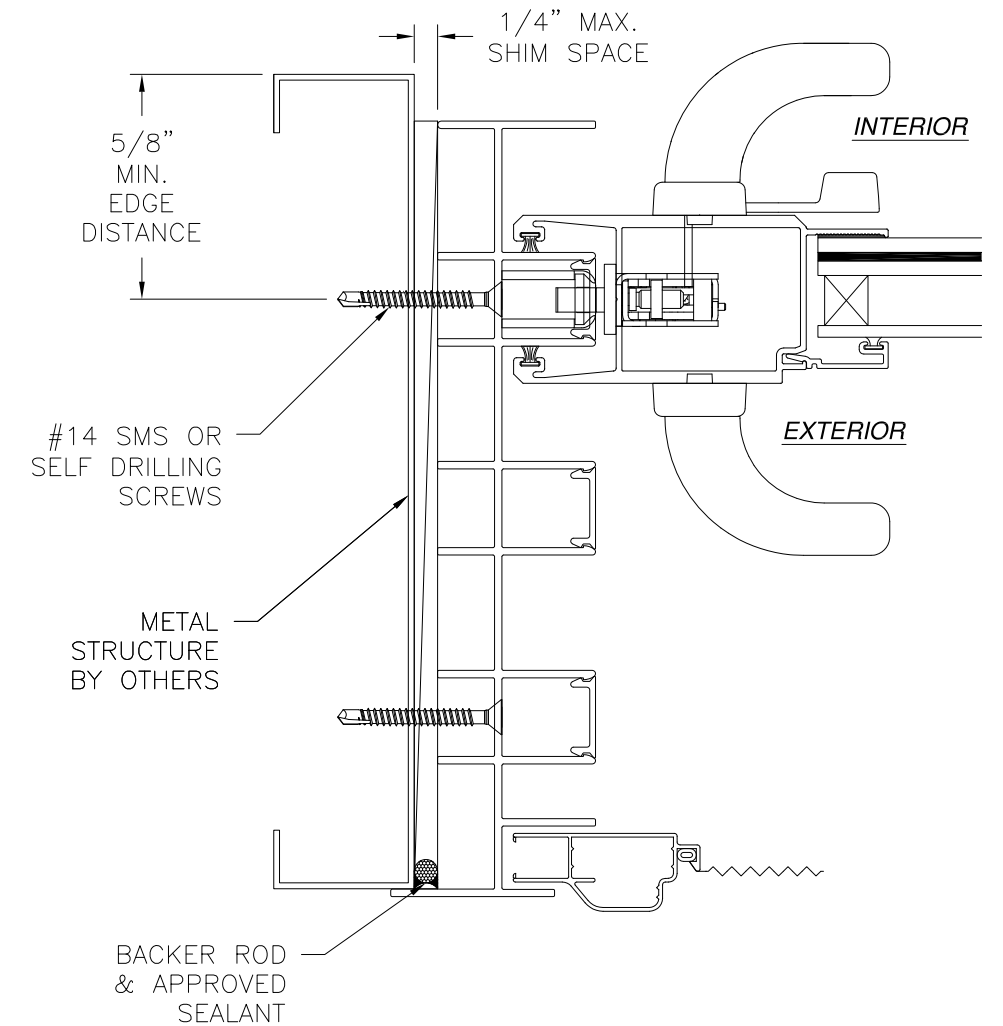
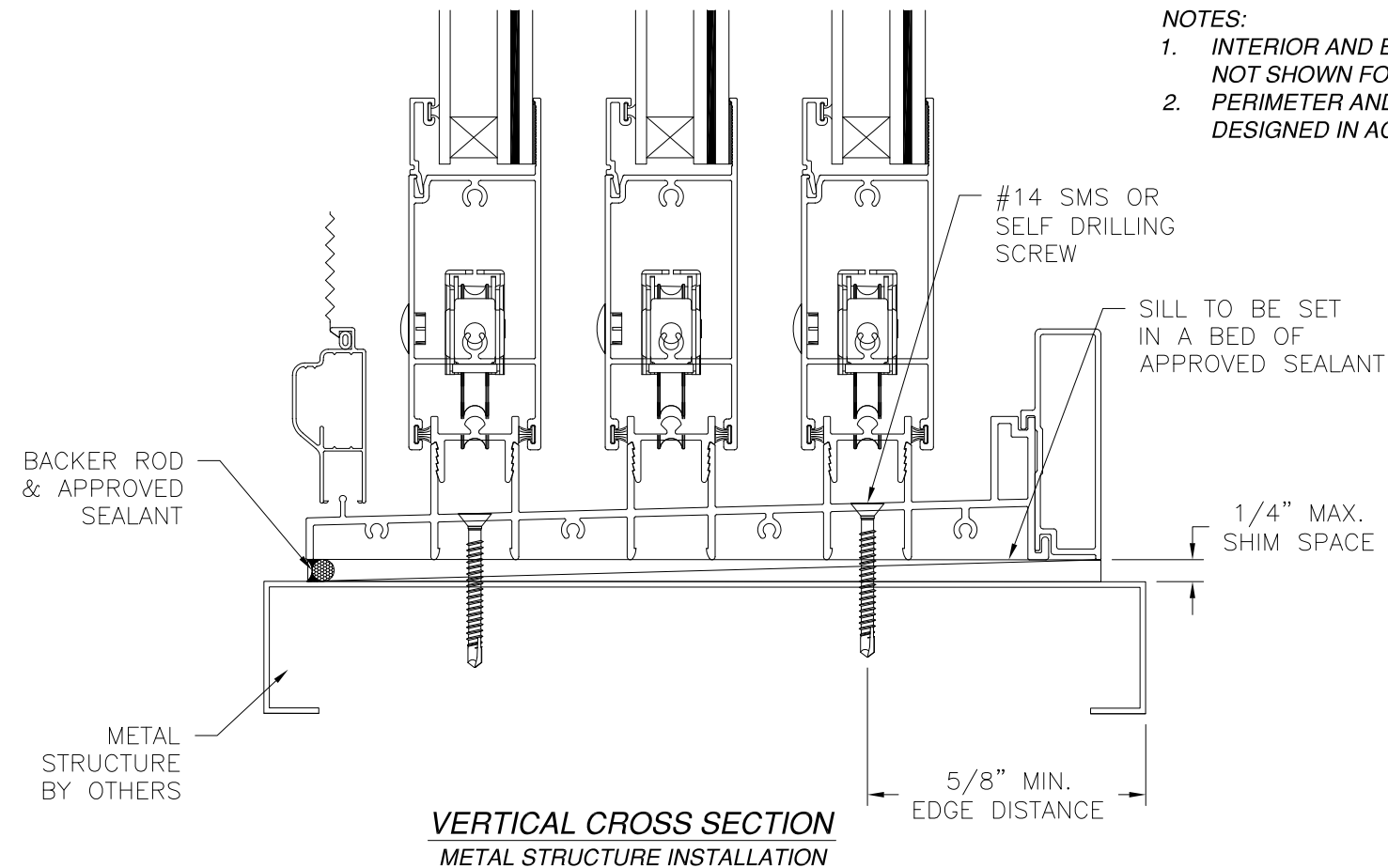


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



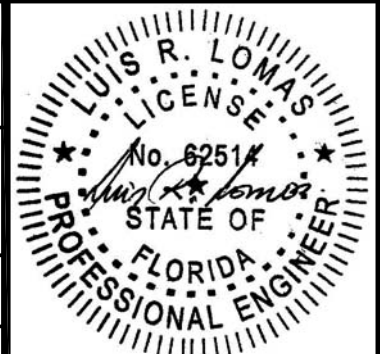
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



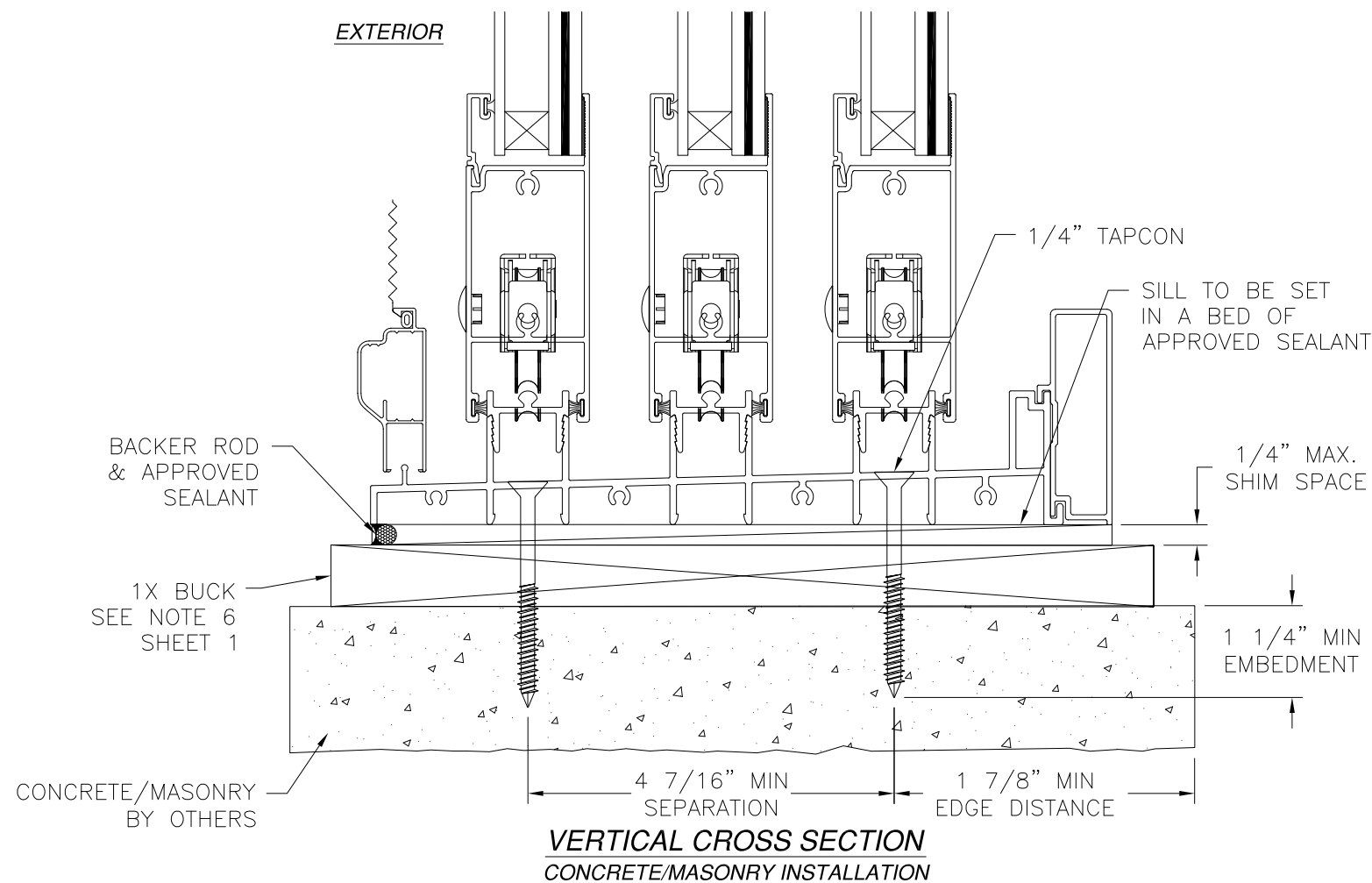
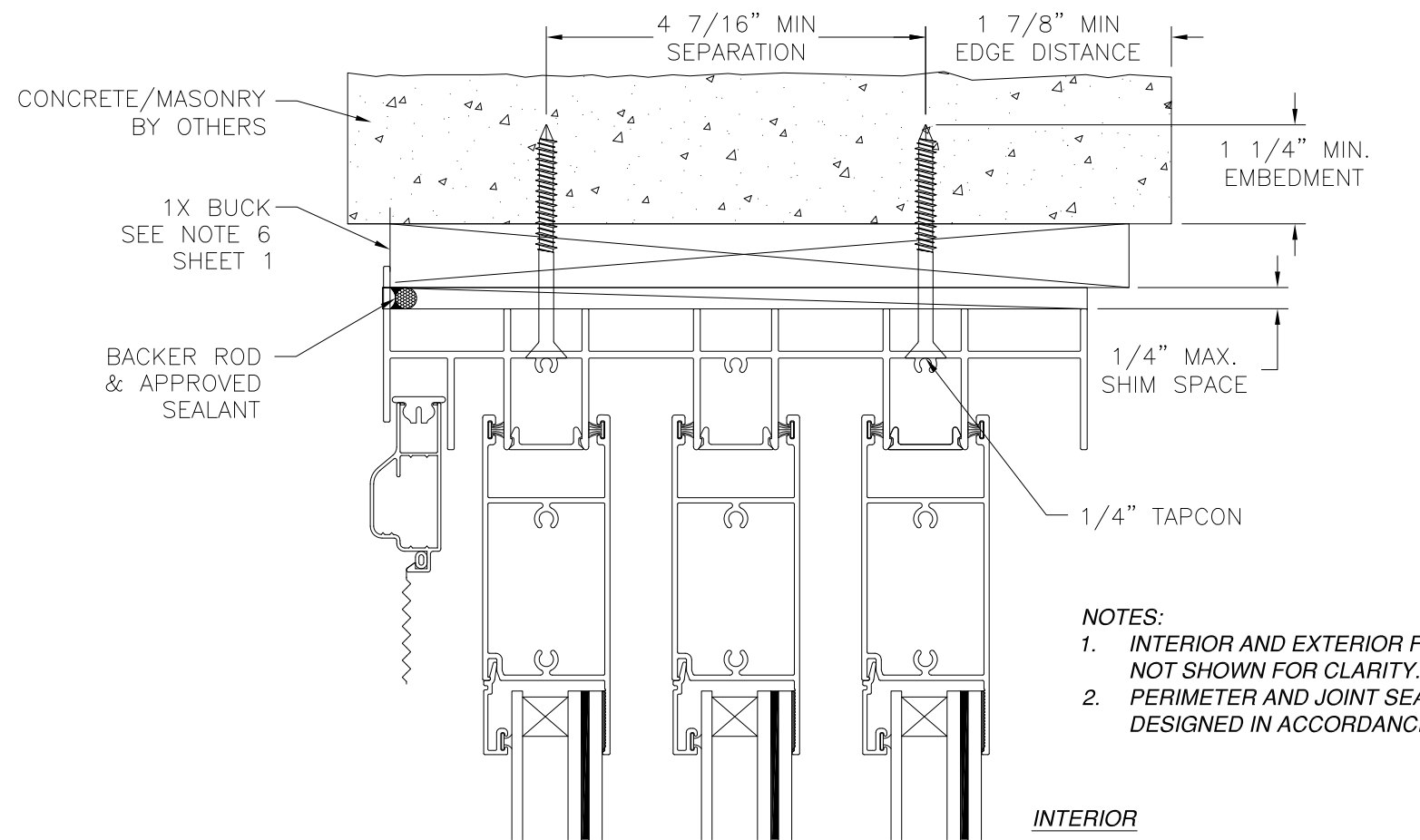
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 3 TRACK FLANGE INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 22 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

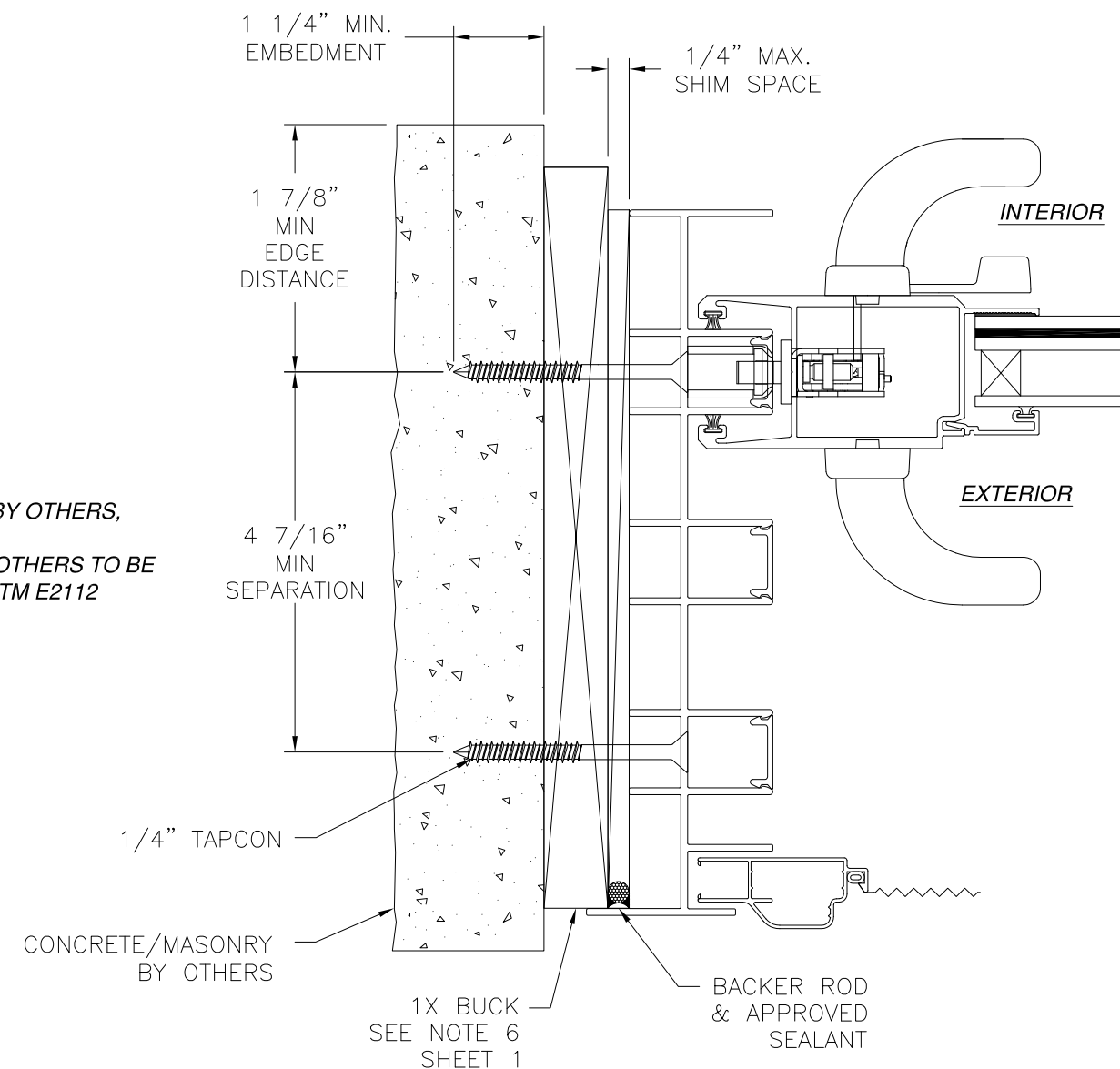
SIGNED: 10/19/2022



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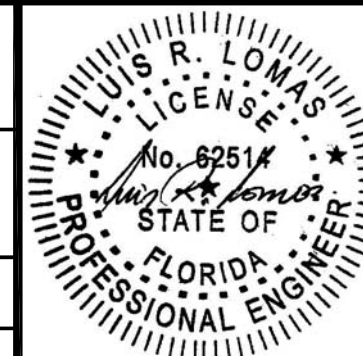
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



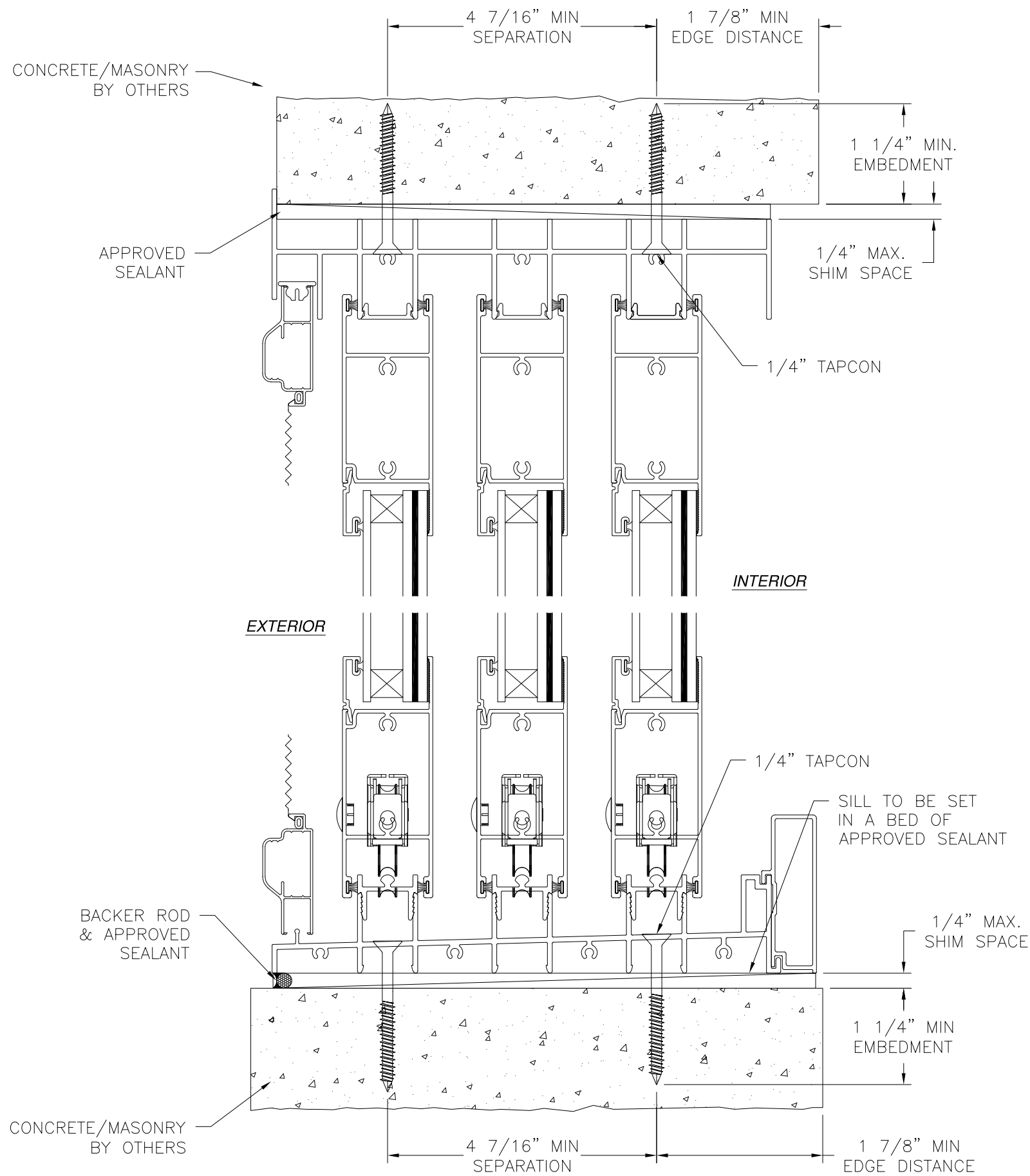
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

SIGNED: 10/19/2022

MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR - IMPACT 3 TRACK FLANGE INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 23 OF 31
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 INSTALLATION
HEAD AND SILL SHOWN, JAMBS SIMILAR

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.

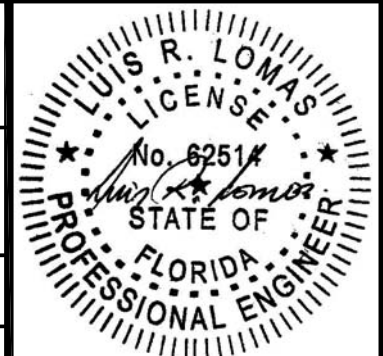
NOTES:

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

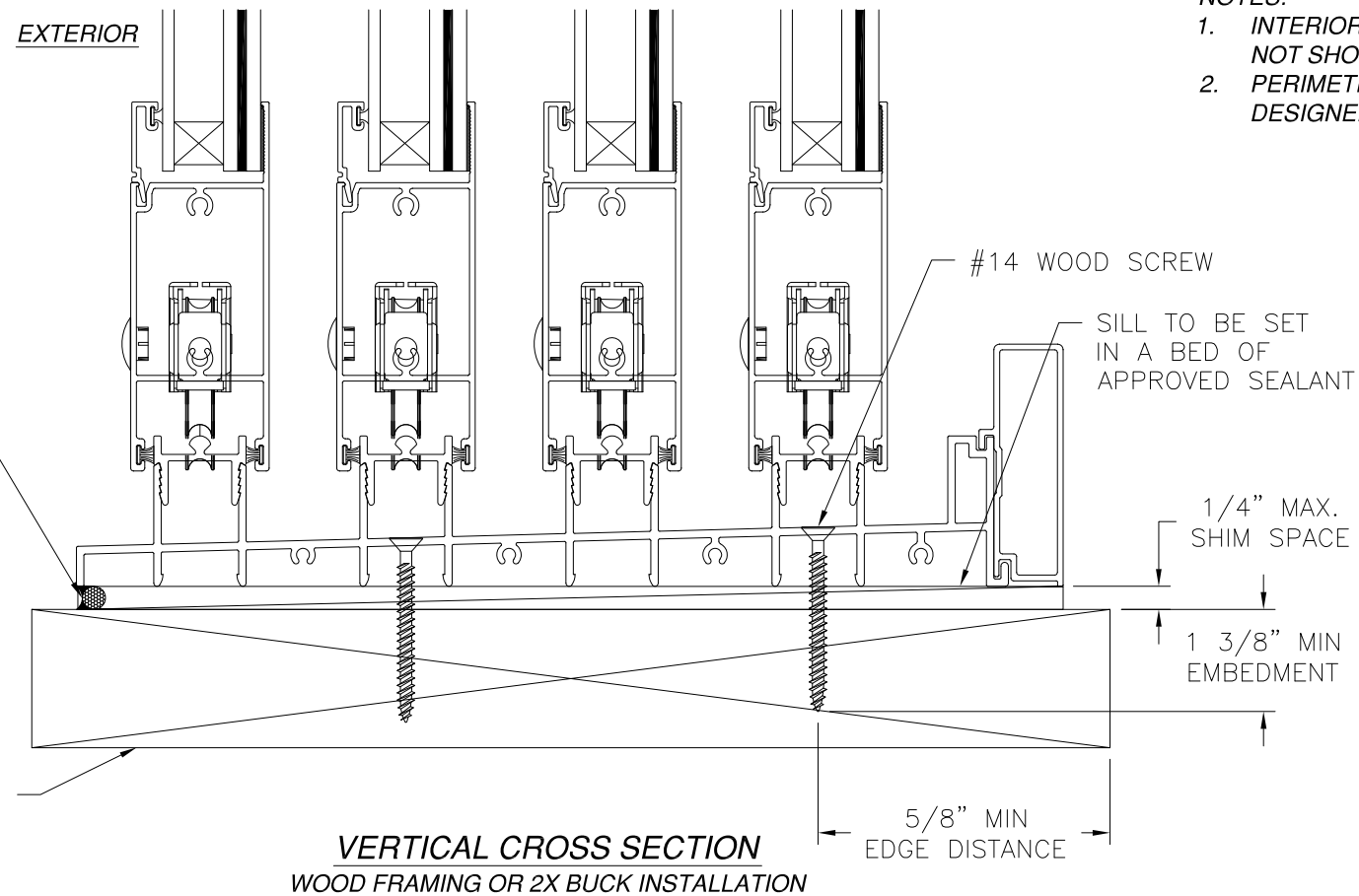
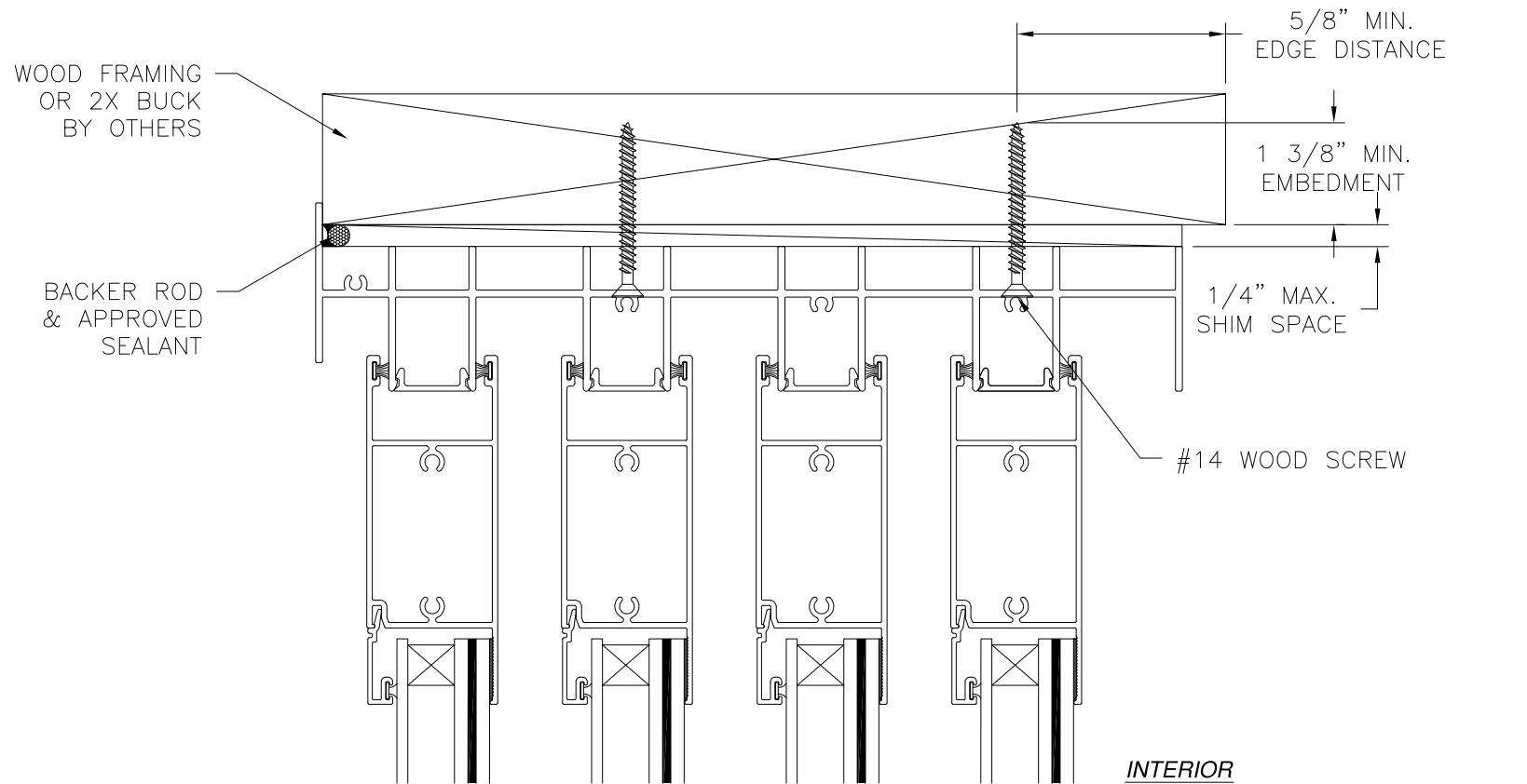
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

SIGNED: 10/19/2022

MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 3 TRACK FLANGE INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 24 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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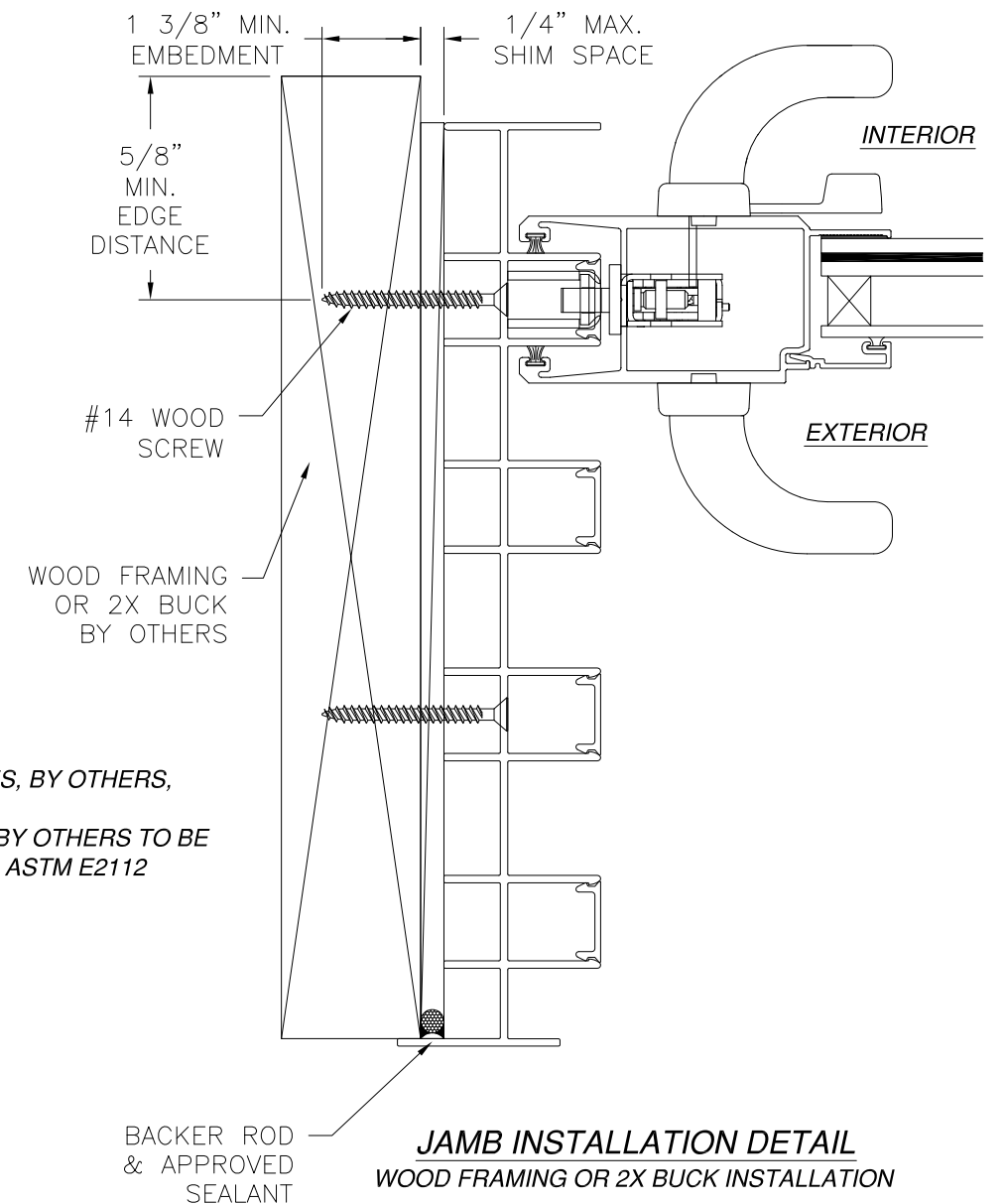


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

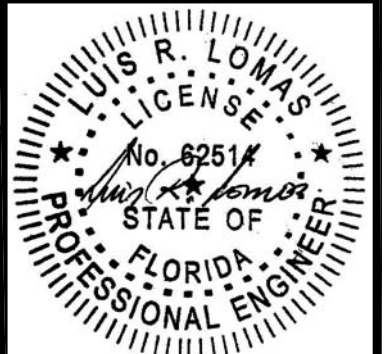
MI WINDOWS AND DOORS LLC
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT
4 TRACK FLANGE INSTALLATION DETAILS

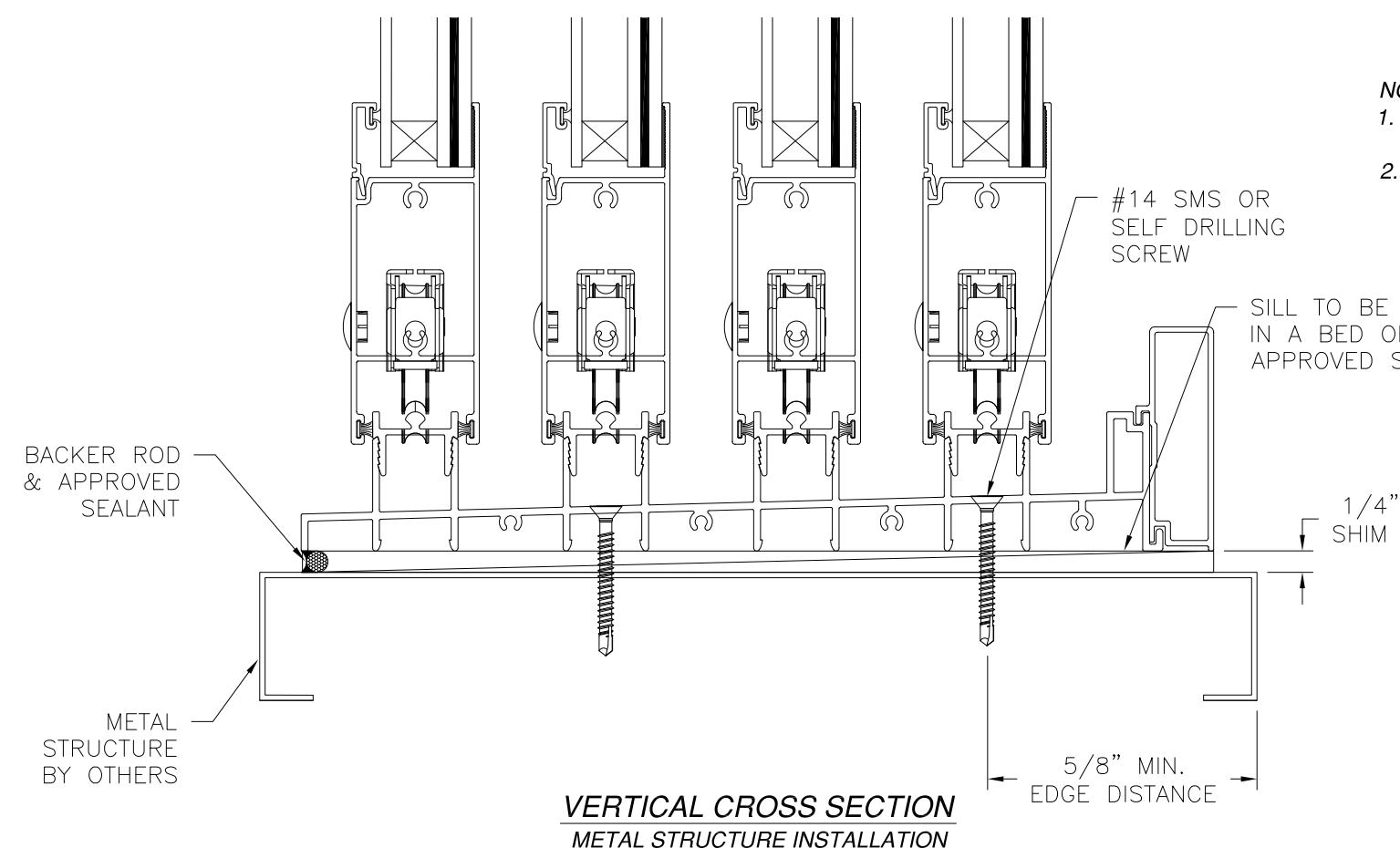
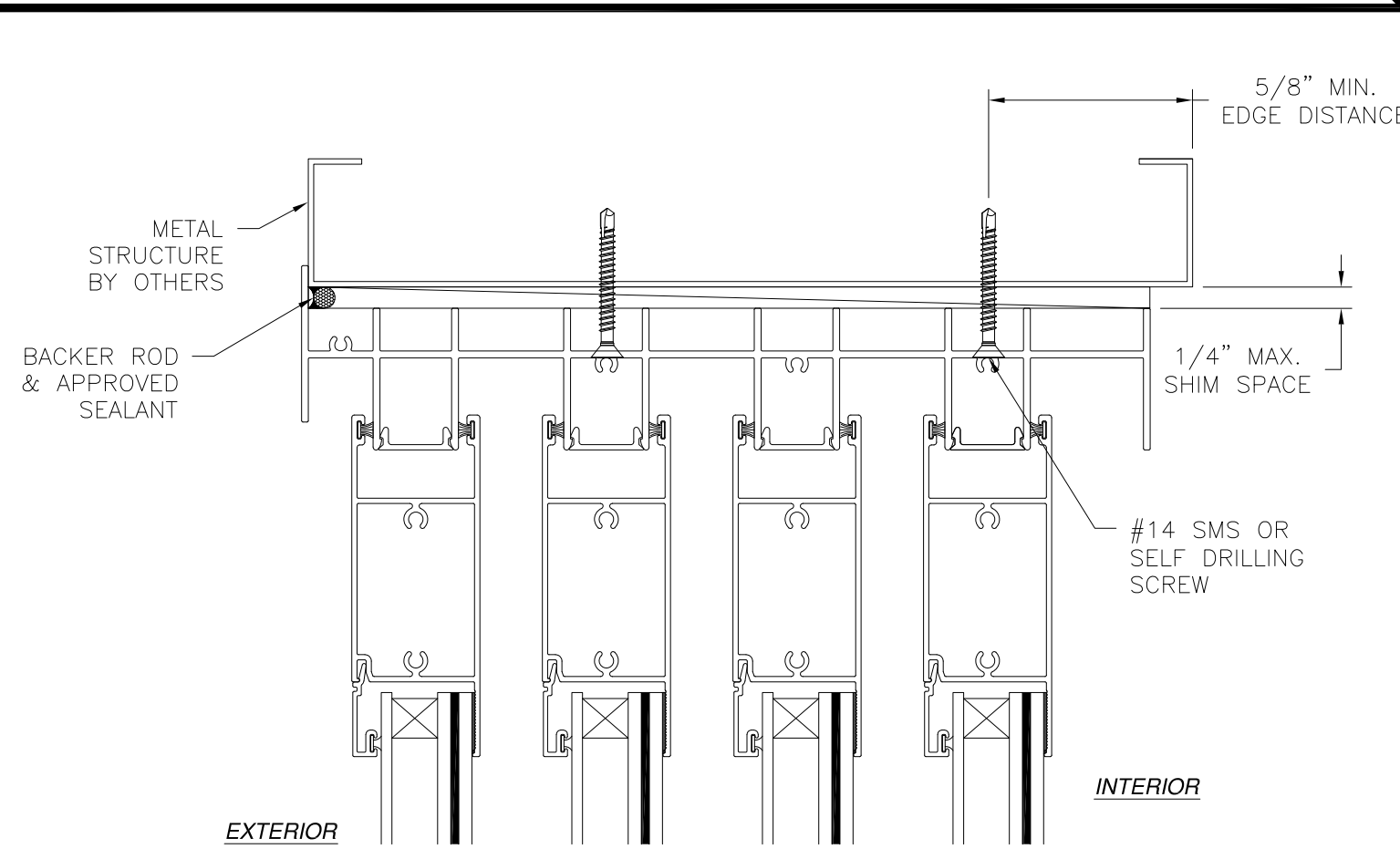
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 25 OF 31

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

SIGNED: 10/19/2022



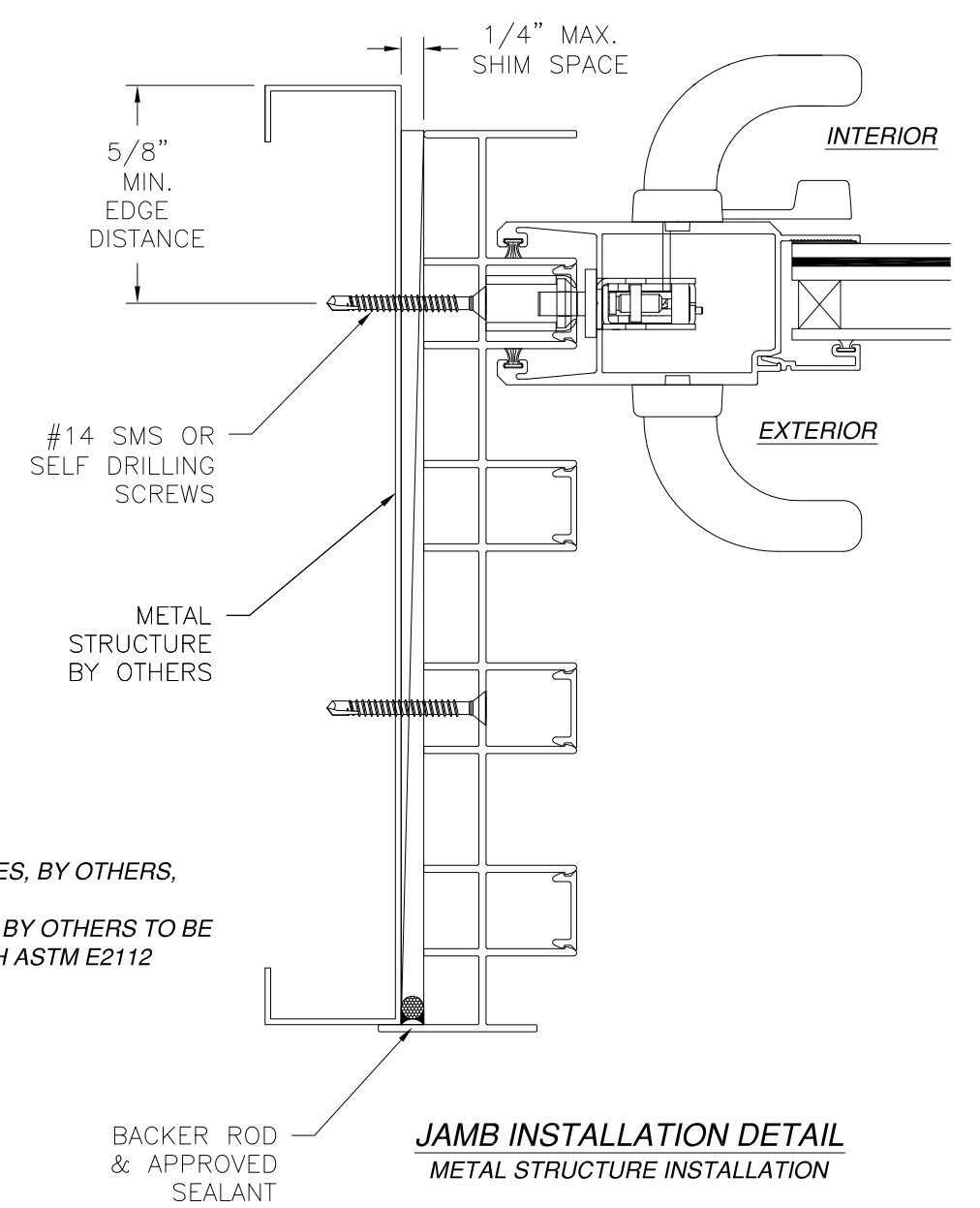
Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
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
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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

SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT
4 TRACK FLANGE INSTALLATION DETAILS

DRAWN:
R.S.

DWG NO.
08-03086

REV
A

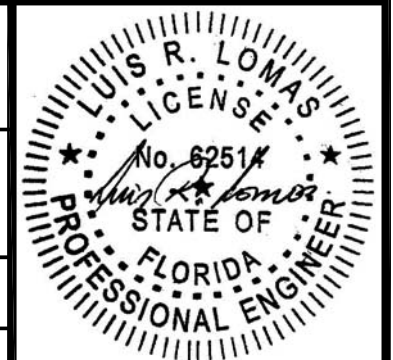
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NTS

DATE
04/13/17

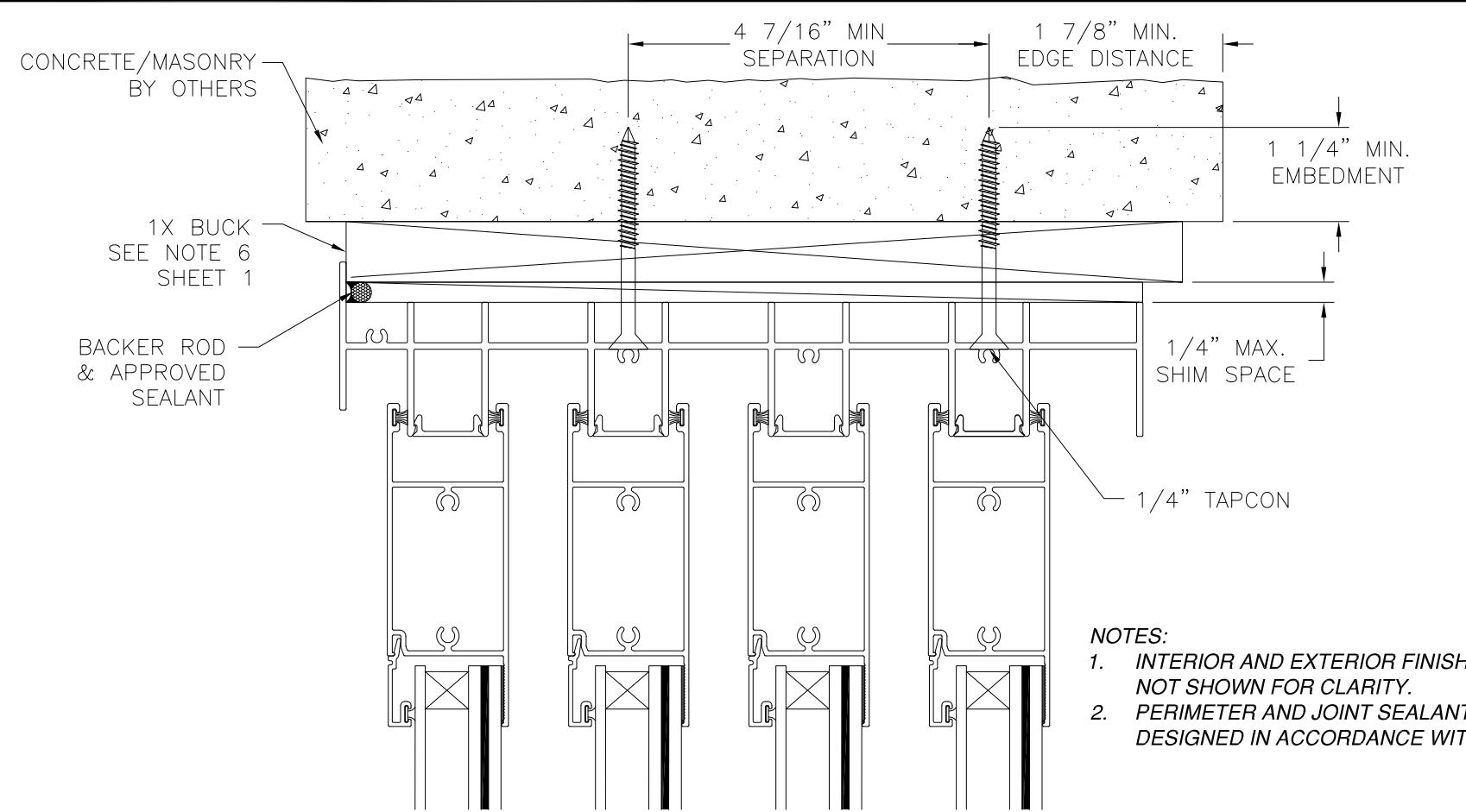
SHEET
26 OF 31

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

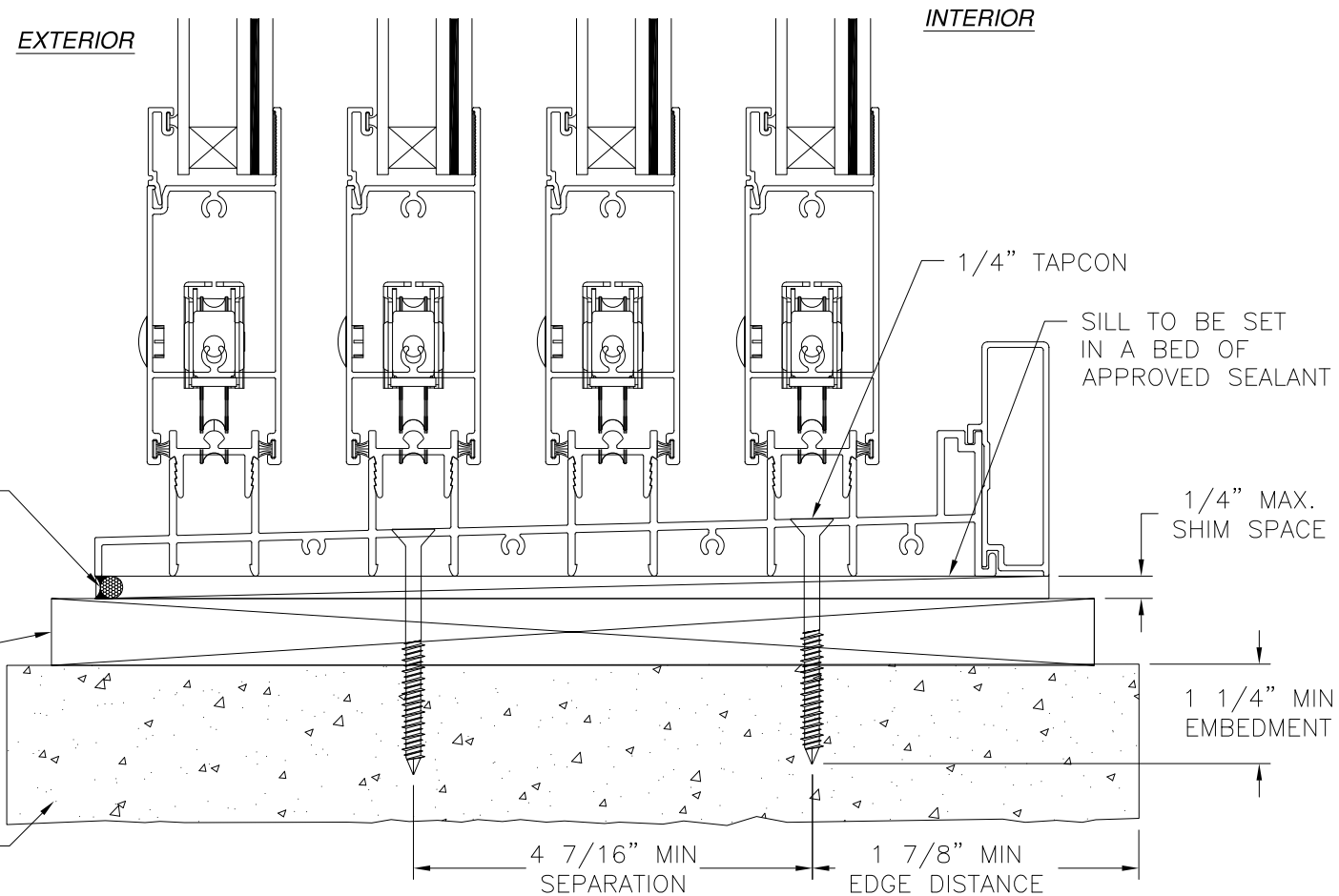
SIGNED: 10/19/2022



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

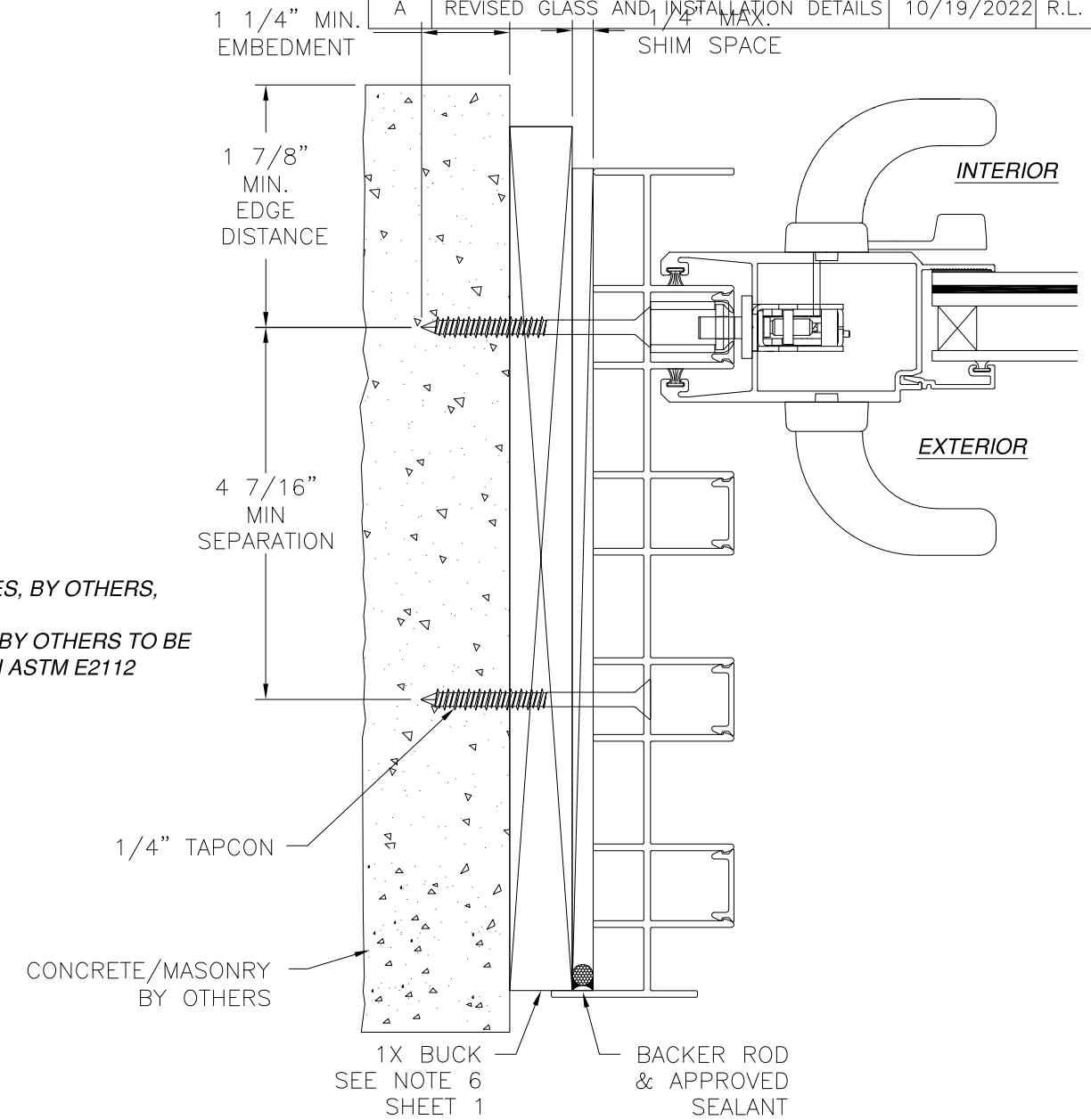


- NOTES:
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

SIGNED: 10/19/2022

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

SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT
4 TRACK FLANGE INSTALLATION DETAILS

DRAWN:
R.S.

DWG NO.
08-03086

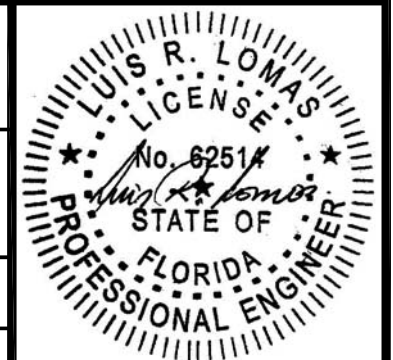
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SCALE
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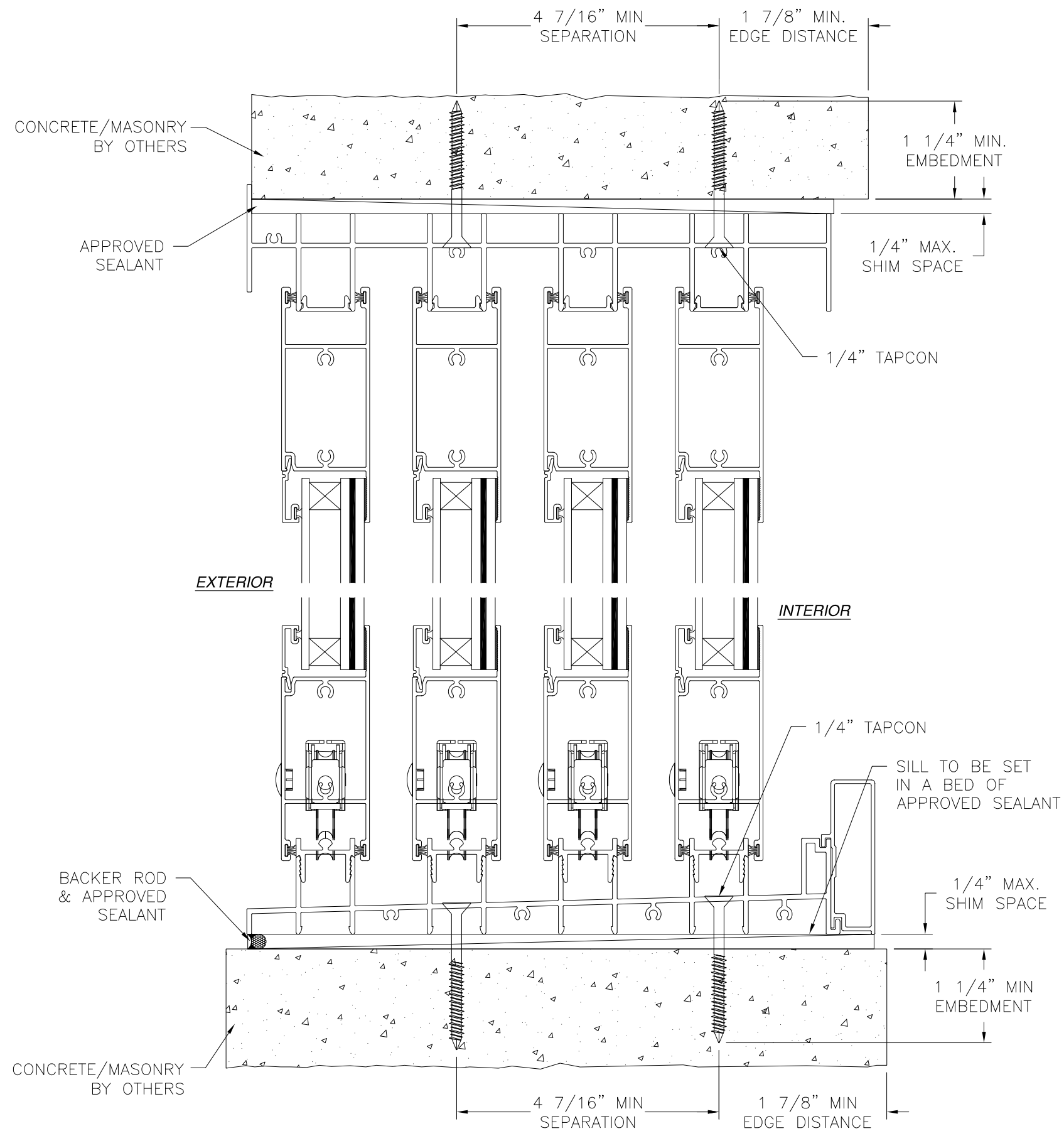
DATE
04/13/17

SHEET
27 OF 31

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



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION
HEAD AND SILL SHOWN, JAMBS SIMILAR

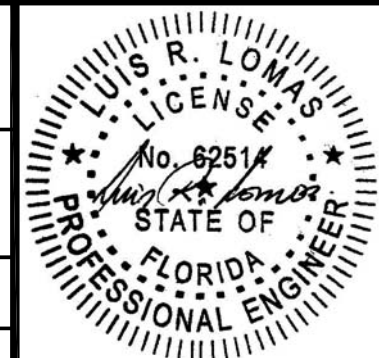
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REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.

NOTES:

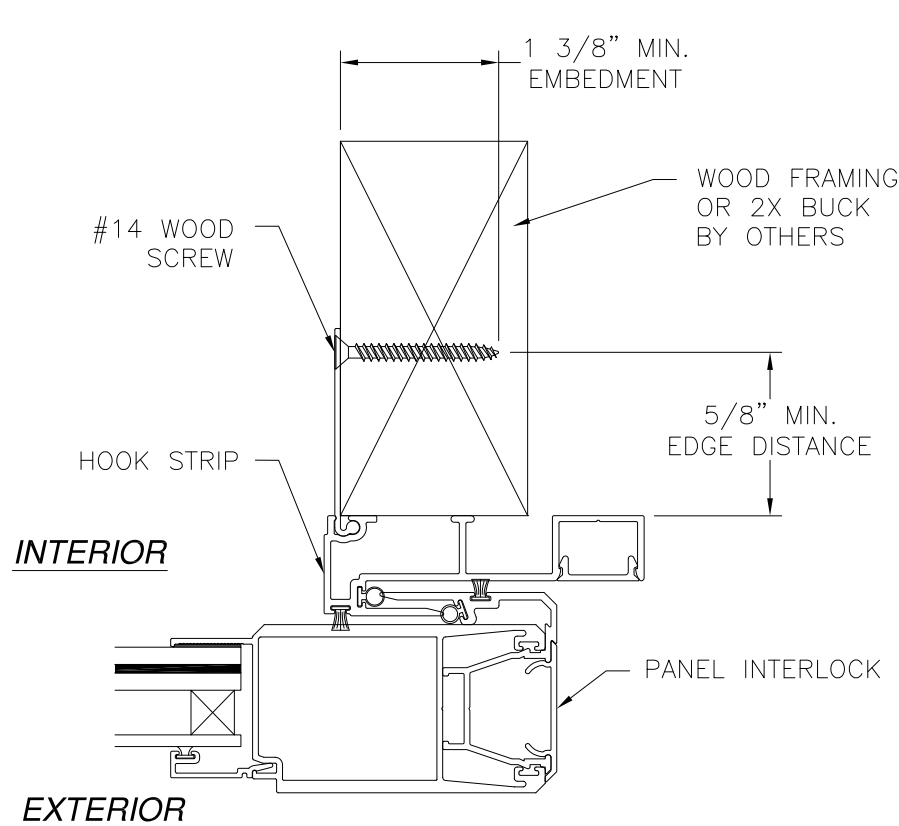
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
- PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 10/19/2022

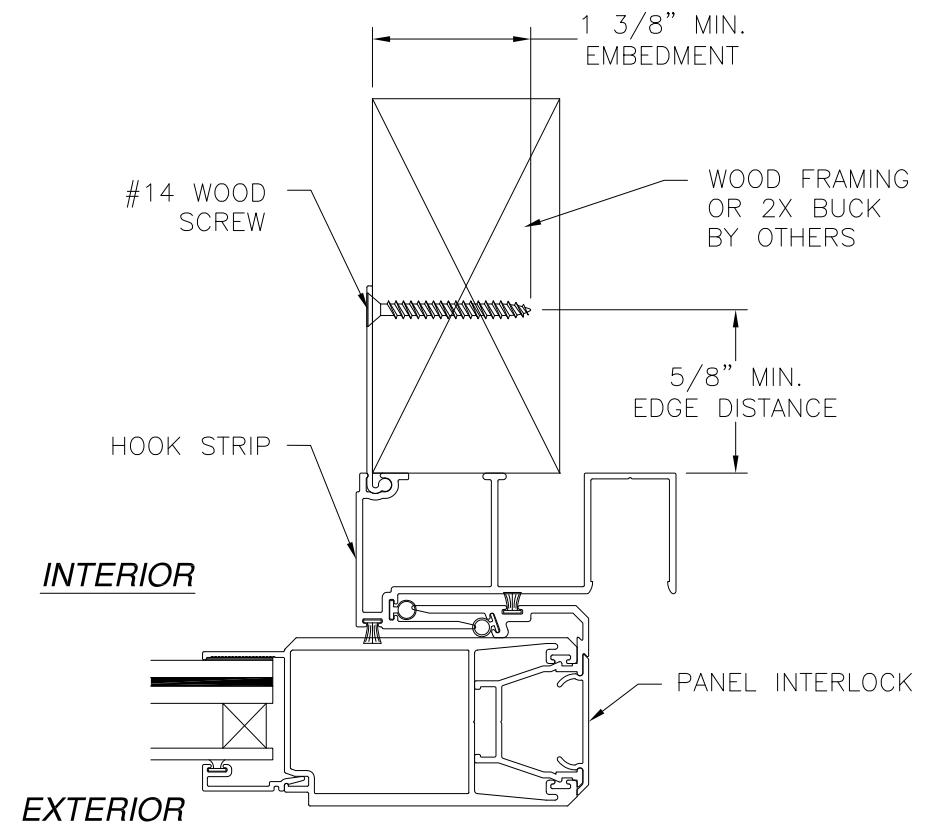
MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT 4 TRACK FLANGE INSTALLATION DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 28 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



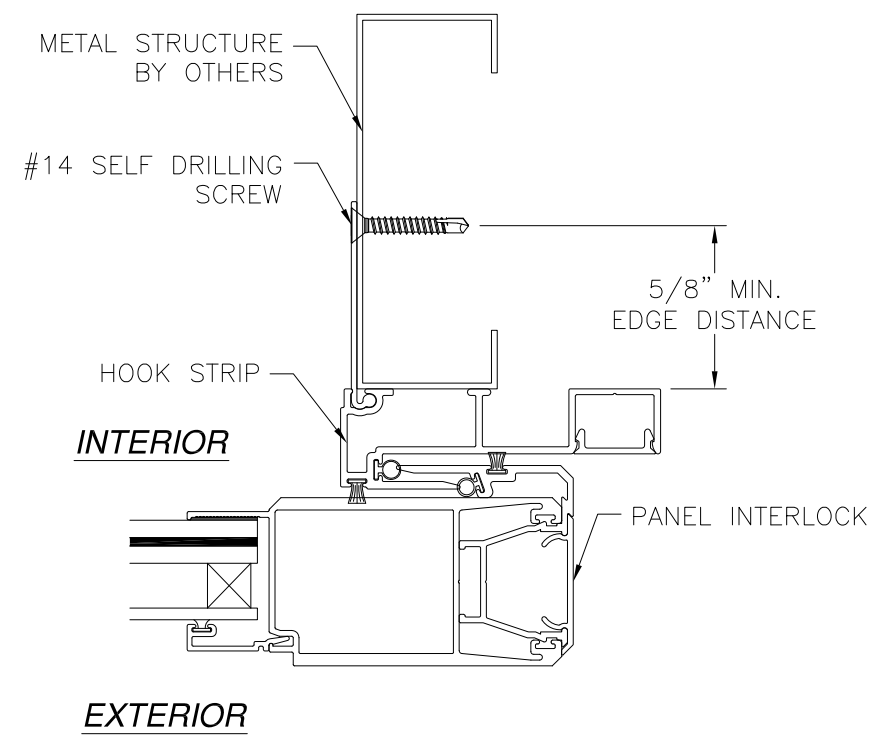
Luis R. Lomas P.E.
FL No.: 62514



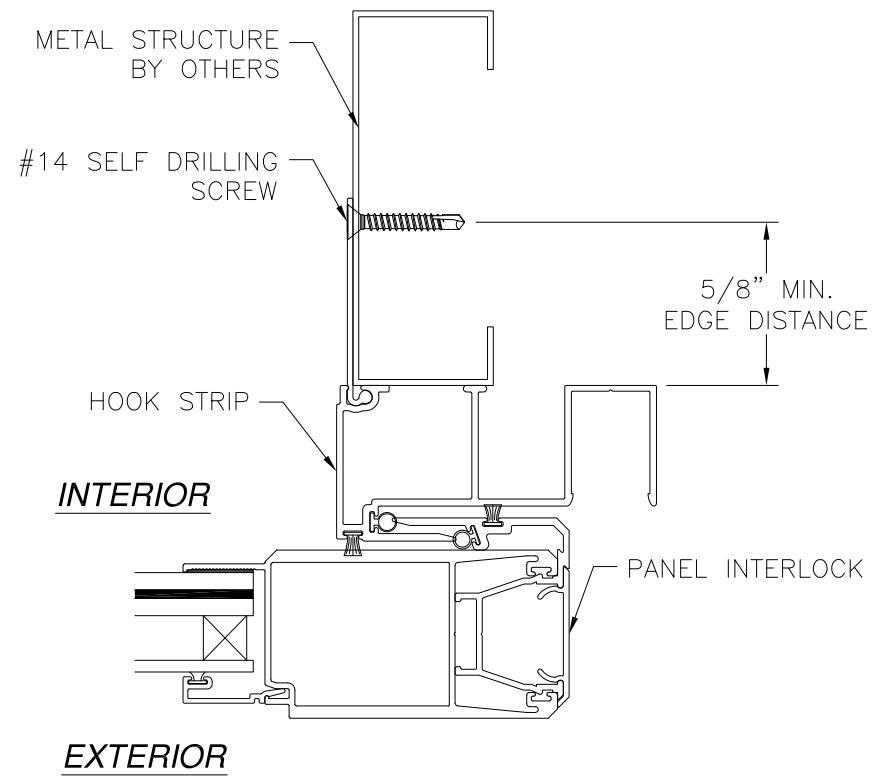
HOOK STRIP (M-2533) INSTALLATION
2X BUCK/WOOD FRAMING



HOOK STRIP (M-2534) INSTALLATION
2X BUCK/WOOD FRAMING



HOOK STRIP (M-2533) INSTALLATION
METAL STRUCTURE



HOOK STRIP (M-2534) INSTALLATION
METAL STRUCTURE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.

NOTES:
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MI WINDOWS AND DOORS LLC
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR – IMPACT
HOOK INSTALLATION DETAILS

DRAWN:
R.S.

DWG NO.
08-03086

REV
A

SCALE NTS

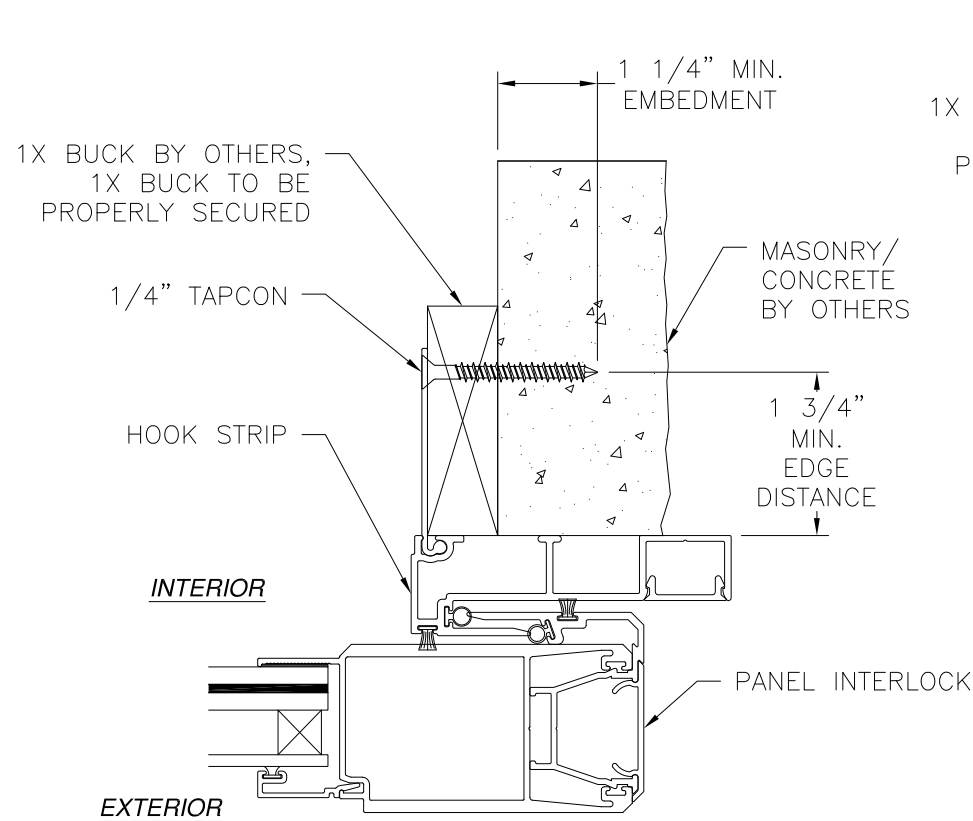
DATE 04/13/17

SHEET 29 OF 31

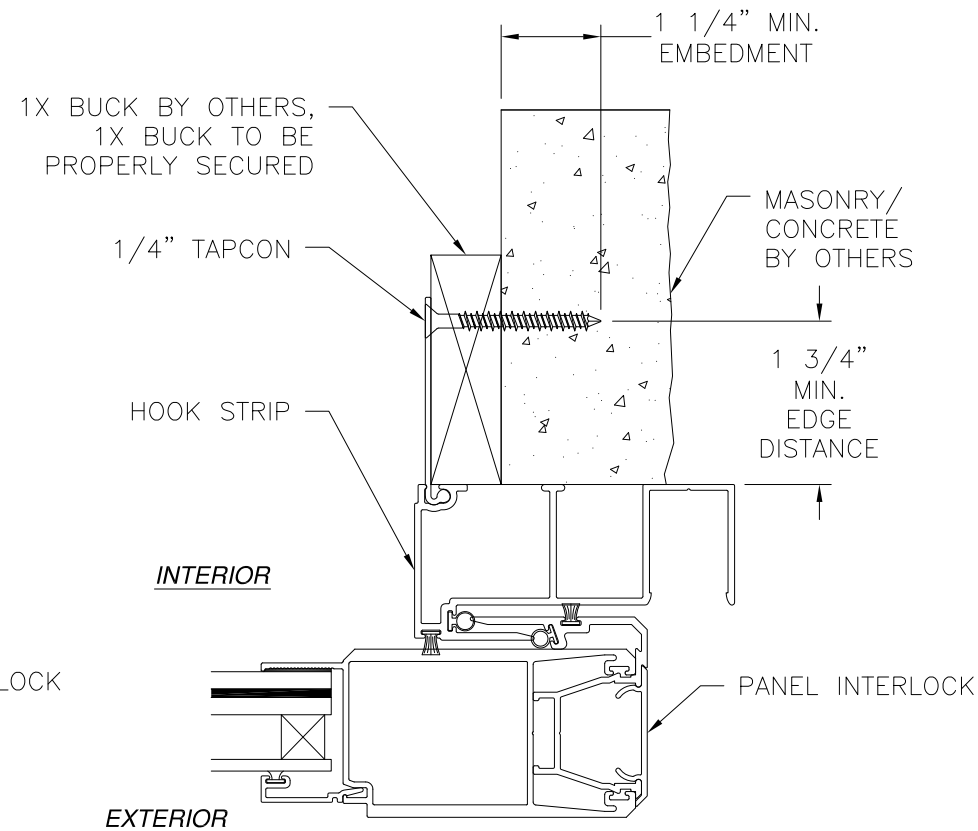
L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/19/2022

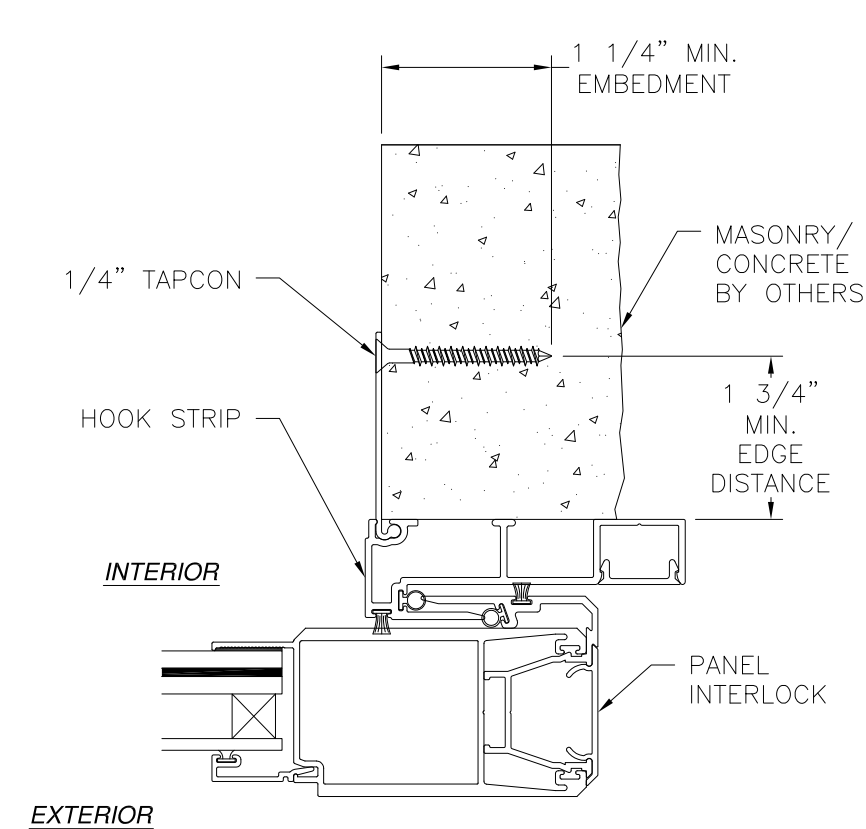
Luis R. Lomas P.E.
FL No.: 62514



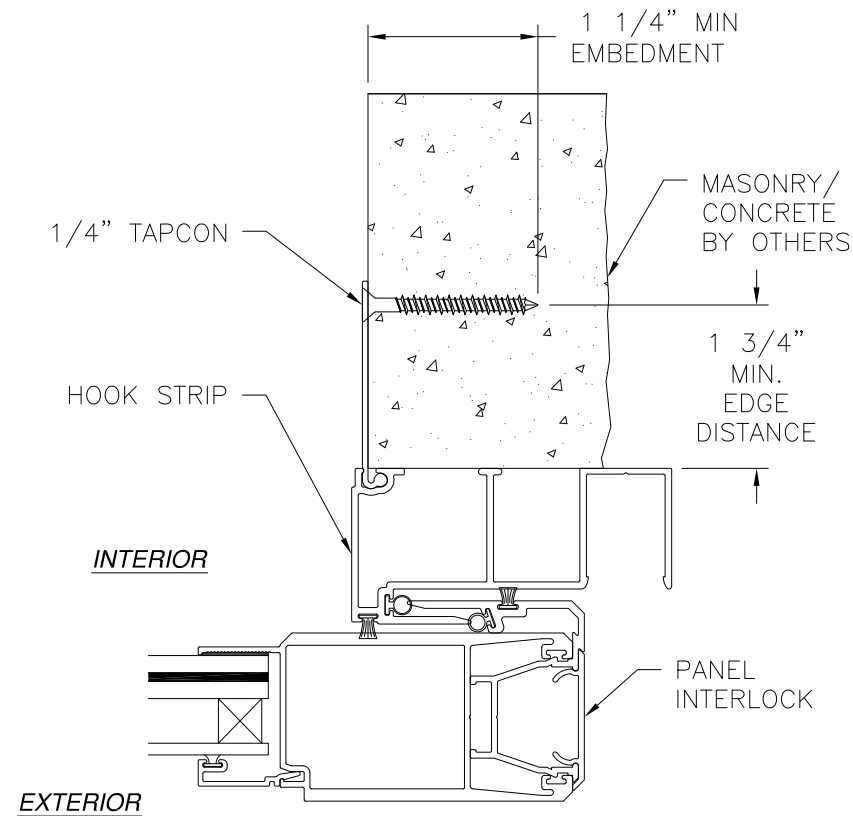
HOOK STRIP (M-2533) INSTALLATION
MASONRY/CONCRETE



HOOK STRIP (M-2534) INSTALLATION
MASONRY/CONCRETE



HOOK STRIP (M-2533) INSTALLATION
MASONRY/CONCRETE

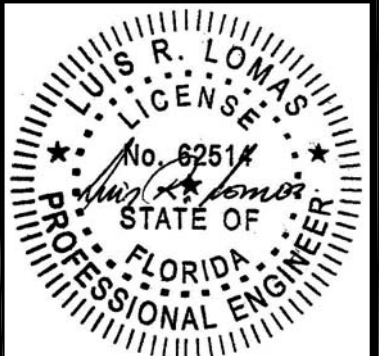


HOOK STRIP (M-2534) INSTALLATION
MASONRY/CONCRETE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.

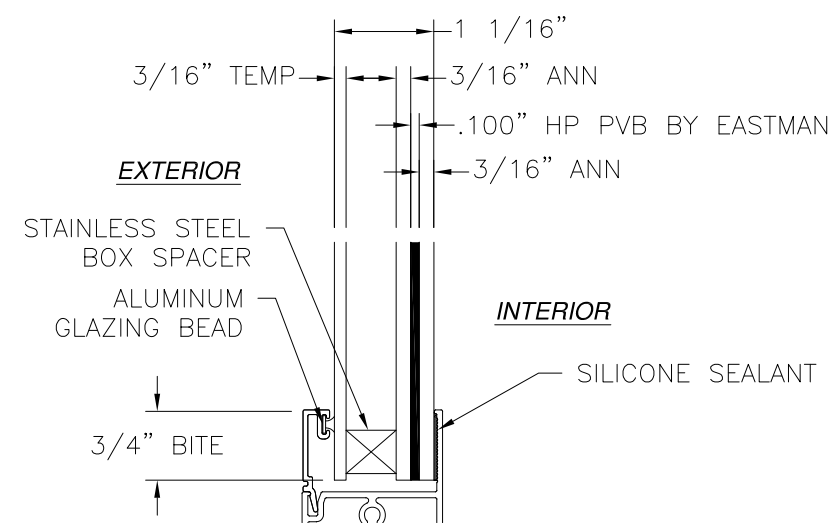
MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT GLAZING AND SILL RISER DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 30 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/19/2022

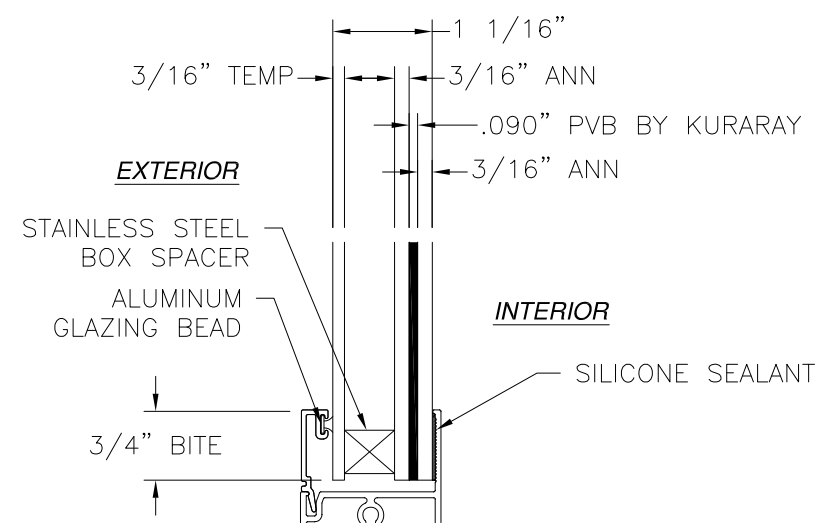


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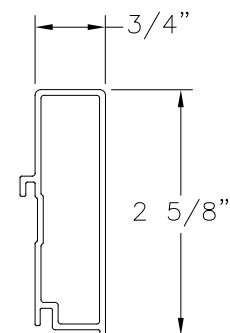
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A	REVISED GLASS AND INSTALLATION DETAILS	10/19/2022	R.L.



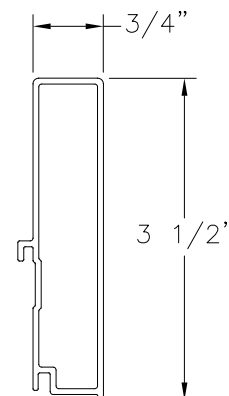
GLAZING DETAIL A



GLAZING DETAIL B



2 5/8" SILL EXTENDER
ALUMINUM 6063-T5 .062" THICK



3 1/2" SILL EXTENDER
ALUMINUM 6063-T5 .062" THICK

SIGNED: 10/19/2022

MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR – IMPACT GLAZING AND SILL RISER DETAILS		
DRAWN: R.S.	DWG NO. 08-03086	REV A
SCALE NTS	DATE 04/13/17	SHEET 31 OF 31
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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