

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	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 THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #12 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" ELCO ULTRACON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #12 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. FOR ANCHORING THROUGH CLIP INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING THROUGH CLIP INTO MASONRY/CONCRETE USE 1/4" ELCO ULTRACON TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. FOR ANCHORING THROUGH CLIP INTO METAL STRUCTURE USE #8 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
19. ALL FASTENERS TO BE CORROSION RESISTANT.
20. 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 .125" THICK MINIMUM
21. APPROVED CONFIGURATIONS: OOX, XOO, OX, XO,

SIGNED: 09/19/2022

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.
08-03131

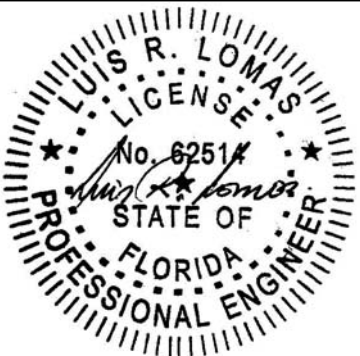
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DATE 06/28/17

SHEET 1 OF 10

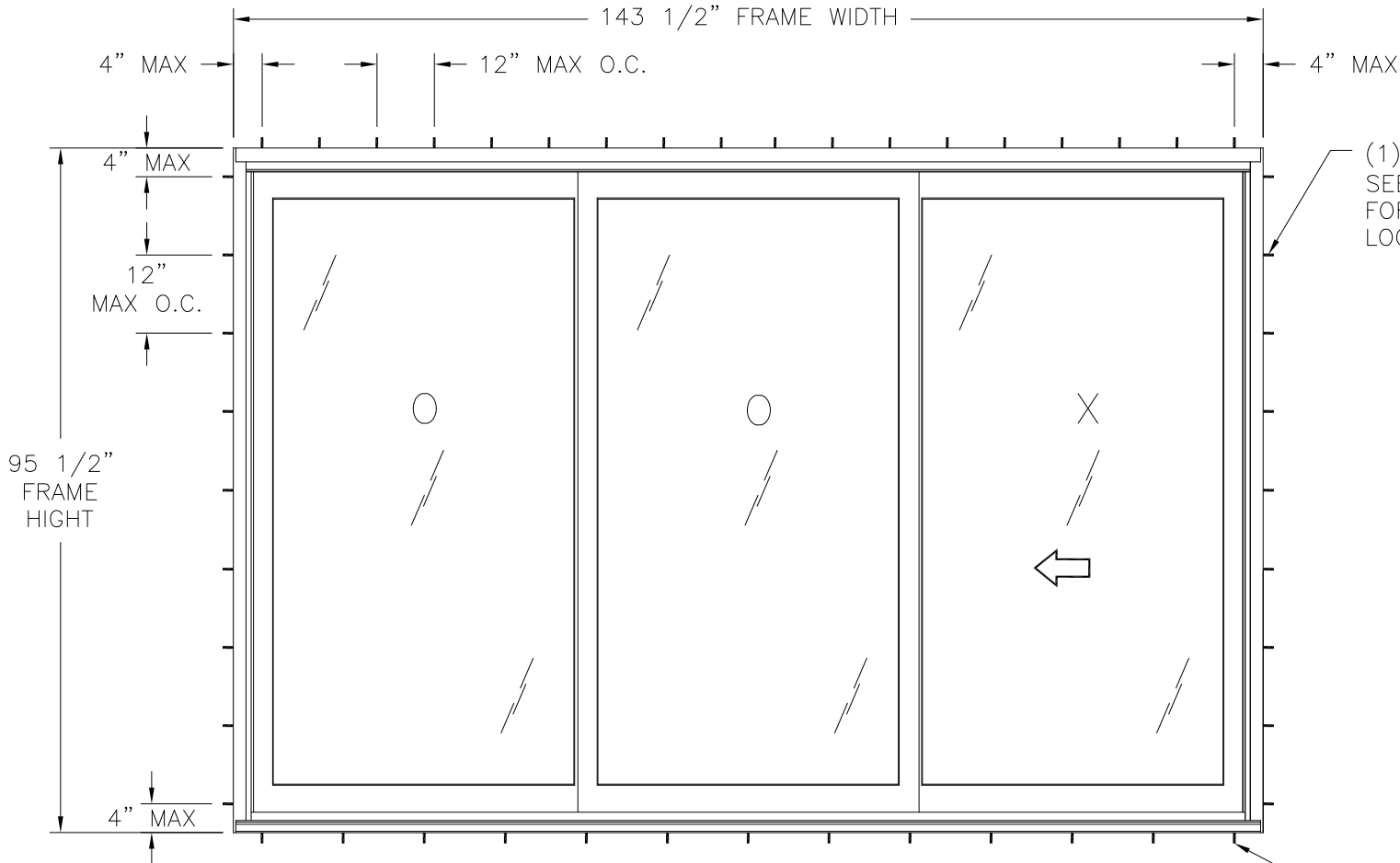
L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com



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

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- NOTES:
1. MAXIMUM PANEL SIZE: 49 3/8" x 91 1/4"
 2. MAXIMUM D.L.O.: 42 5/16" x 84 3/4"



(1) ANCHOR PER LOCATION
SEE CHART #1
FOR NUMBER OF ANCHOR
LOCATIONS REQUIRED

CHART #1

Number of anchor locations required												
Frame Height (in)	Frame Width (in)											
	54.00		72.00		90.00		108.00		126.00		143.50	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
80.00	6	7	7	7	9	7	11	7	13	7	15	7
84.00	6	8	8	8	10	8	12	8	14	8	16	8
90.00	6	8	8	8	10	8	12	8	15	8	17	8
95.38	7	9	9	9	11	9	13	9	15	9	18	9

SERIES 1615/1617 PVC SLIDING GLASS DOOR NON - IMPACT
EXTERIOR VIEW
UP TO 3 PANEL CONFIGURATIONS ARE QUALIFIED
AS LONG AS PANEL AREA DOES NOT EXCEED 31.3 FT², SEE NOTE 21

ANCHORS AT SILL
TO BE INSTALLED
THROUGH ANCHOR CLIP

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

HARDWARE SCHEDULE	
A.	(2) TWO POINT LOCK WITH HANDLE AND KEEPERS AT 38 1/2" FROM BOTTOM RAIL ON EACH OPERABLE PANEL
B.	(4) NYLON ROLLERS AT OPERABLE PANEL BOTTOM RAIL, 4" FROM EACH STILE
C.	(2) ROLLERS WITH SPRING AT BOTTOM OF SCREEN STILES
D.	(2) SCREEN LOCK WITH KEEPER AT SCREEN LOCK STILE, 38" FROM BOTTOM RAIL ON SCREEN
E.	STEEL REINFORCEMENT (9599) AT MEETING STILES
F.	STEEL REINFORCEMENT (9598) AT LOCKING STILES

MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
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SERIES 1615/1617 PVC SLIDING GLASS DOOR
NON-IMPACT
ELEVATION AND GLASS DETAIL

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SHEET 2 OF 10

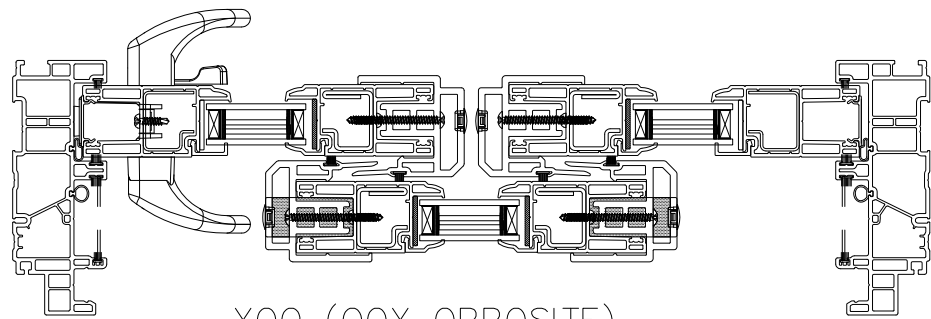
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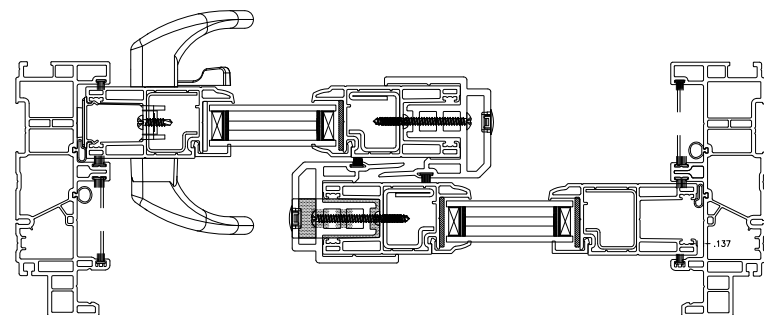


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X00 (00X OPPOSITE)



XO (OX OPPOSITE)

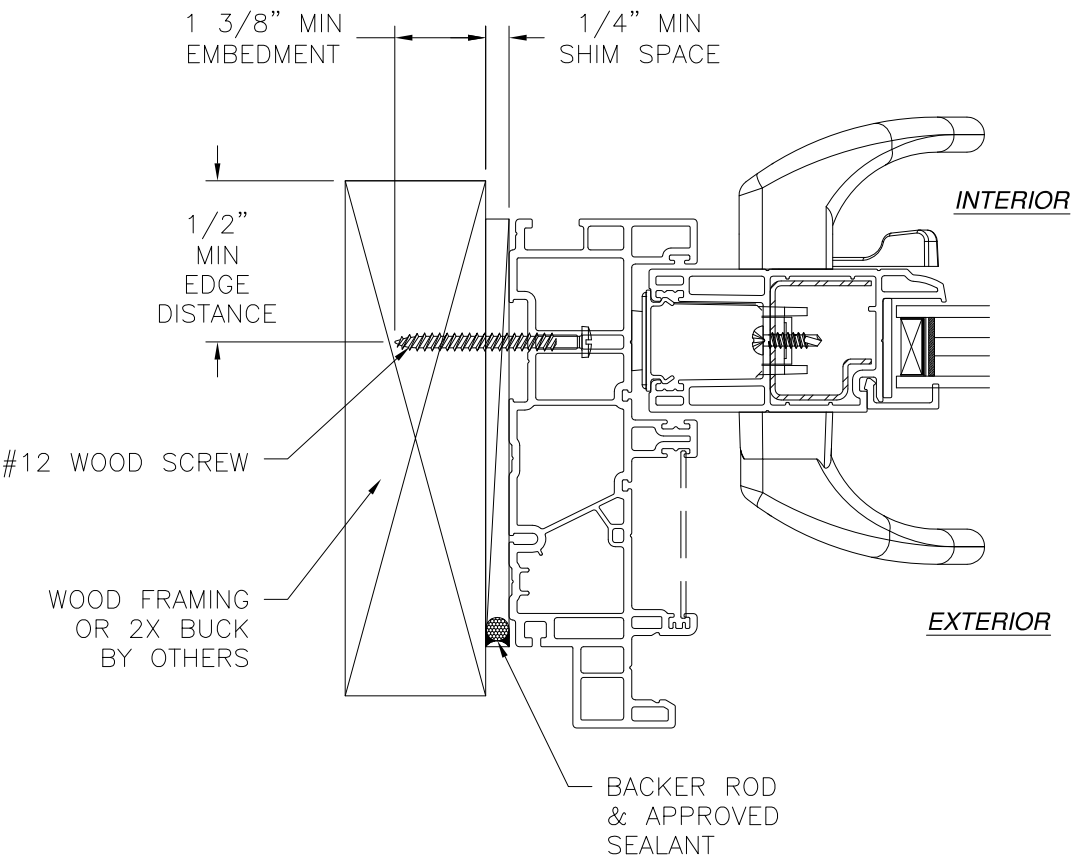
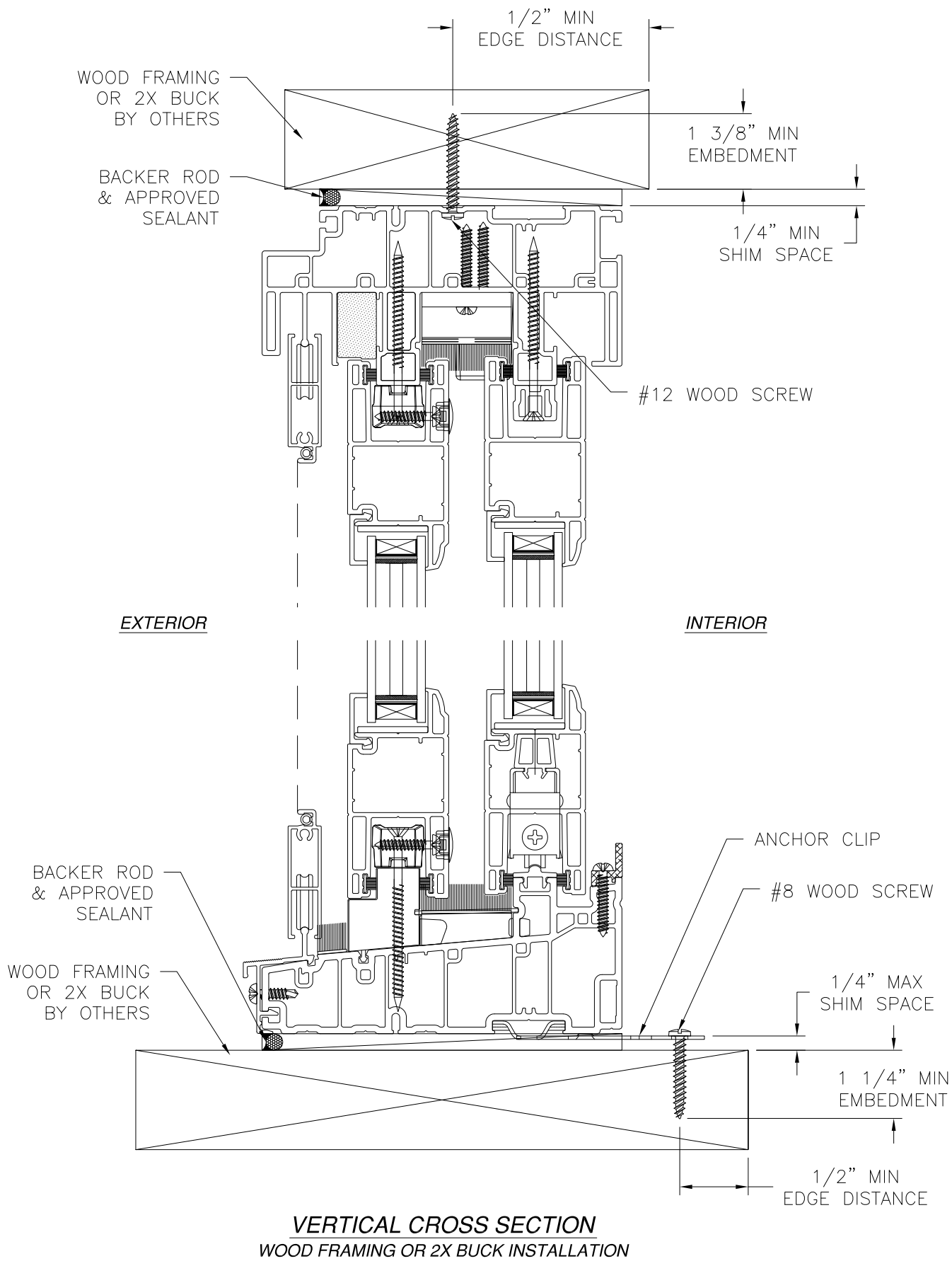
LAYOUTS SHOWN AS REFERENCE ONLY.
PANELS MAY BE MIXED & MATCHED AS
NECESSARY

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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. 08-03131	REV C
SCALE NTS	DATE 06/28/17	SHEET 3 OF 10
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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

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MI WINDOWS & DOORS, LLC.

650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 1615/1617 PVC SLIDING GLASS DOOR
NON-IMPACT
INSTALLATION DETAILS

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DWG NO. 08-03131

REV C

SCALE NTS

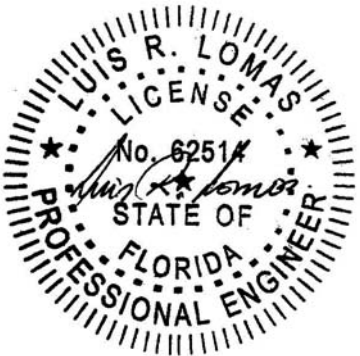
DATE 06/28/17

SHEET 4 OF 10

L. ROBERTO LOMAS P.E.

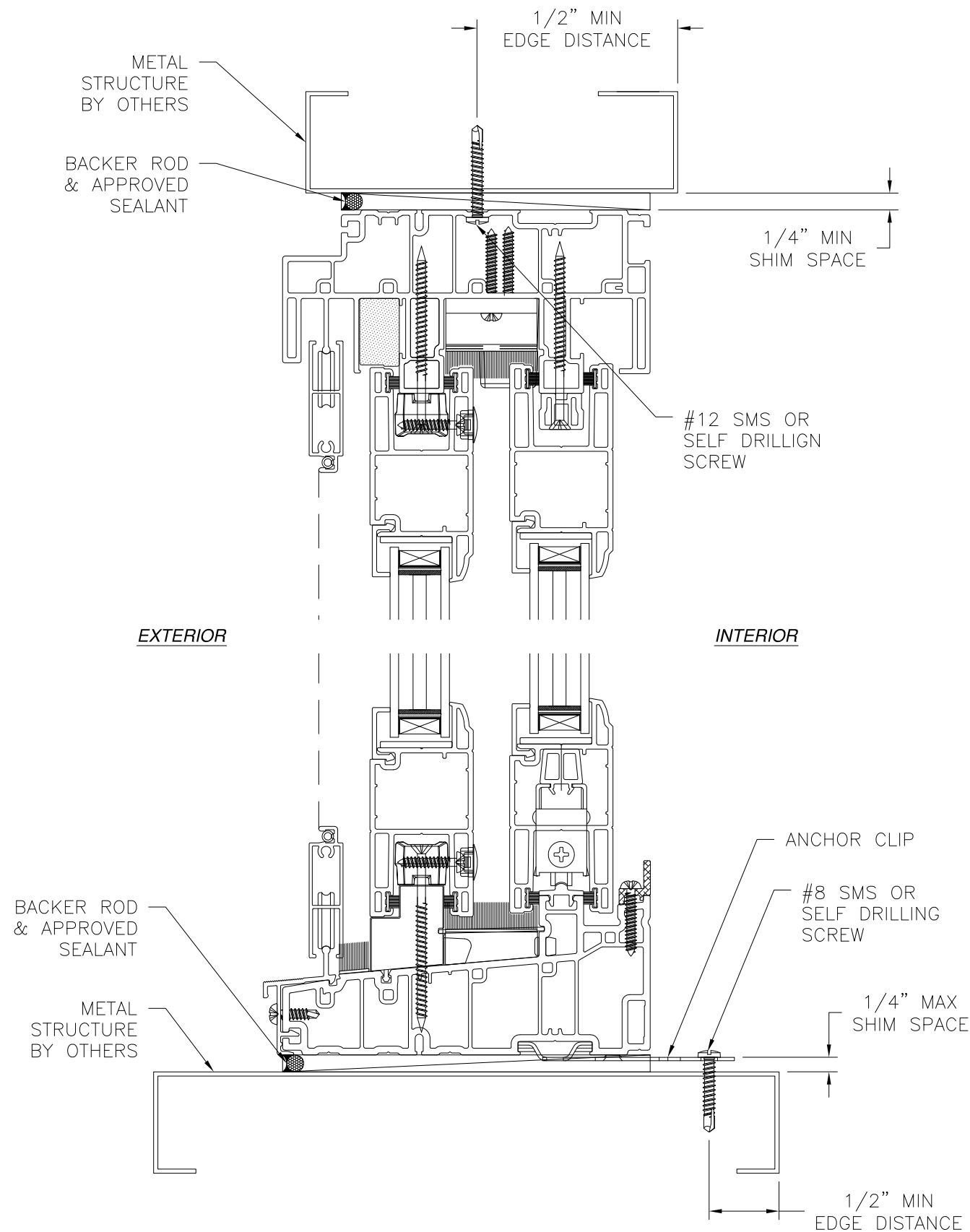
400 S. PALM AVE, INDIALANTIC, FL 32903

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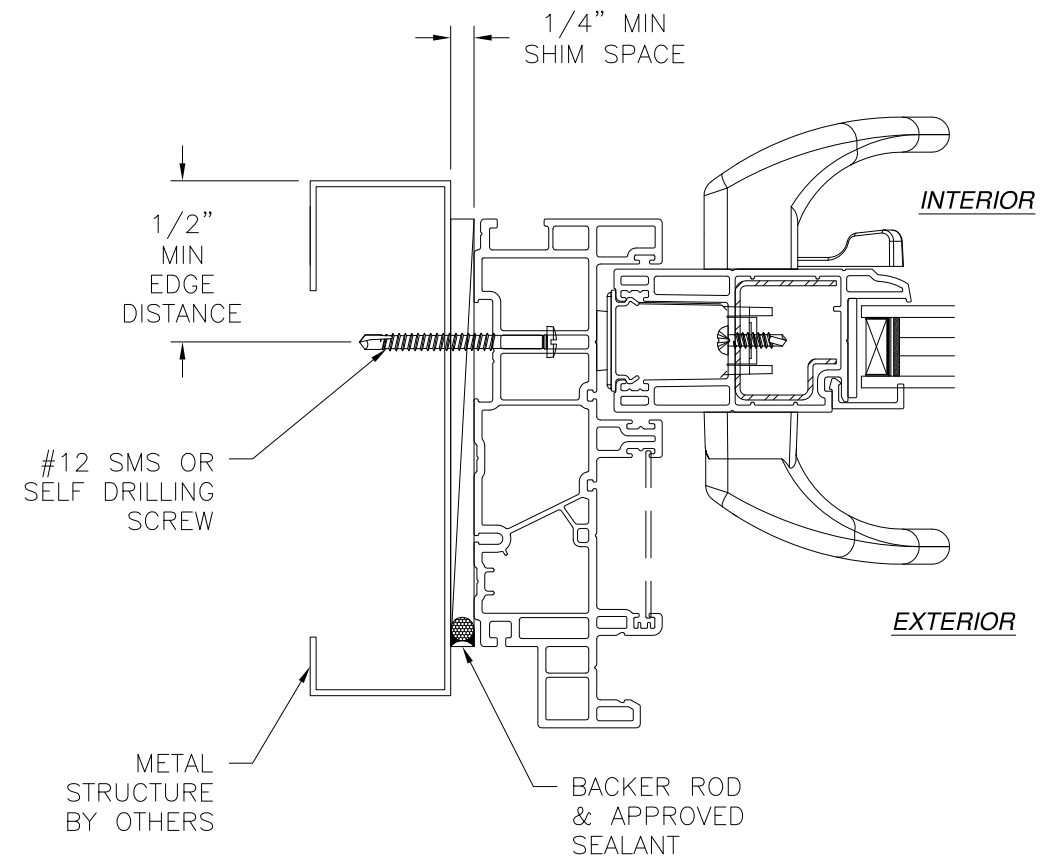


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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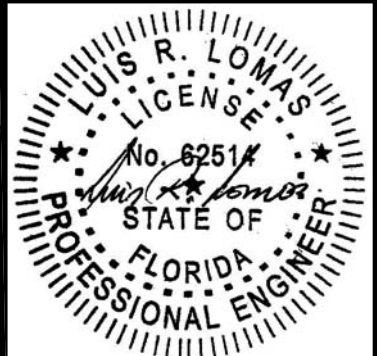
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GRATZ, PA 17030

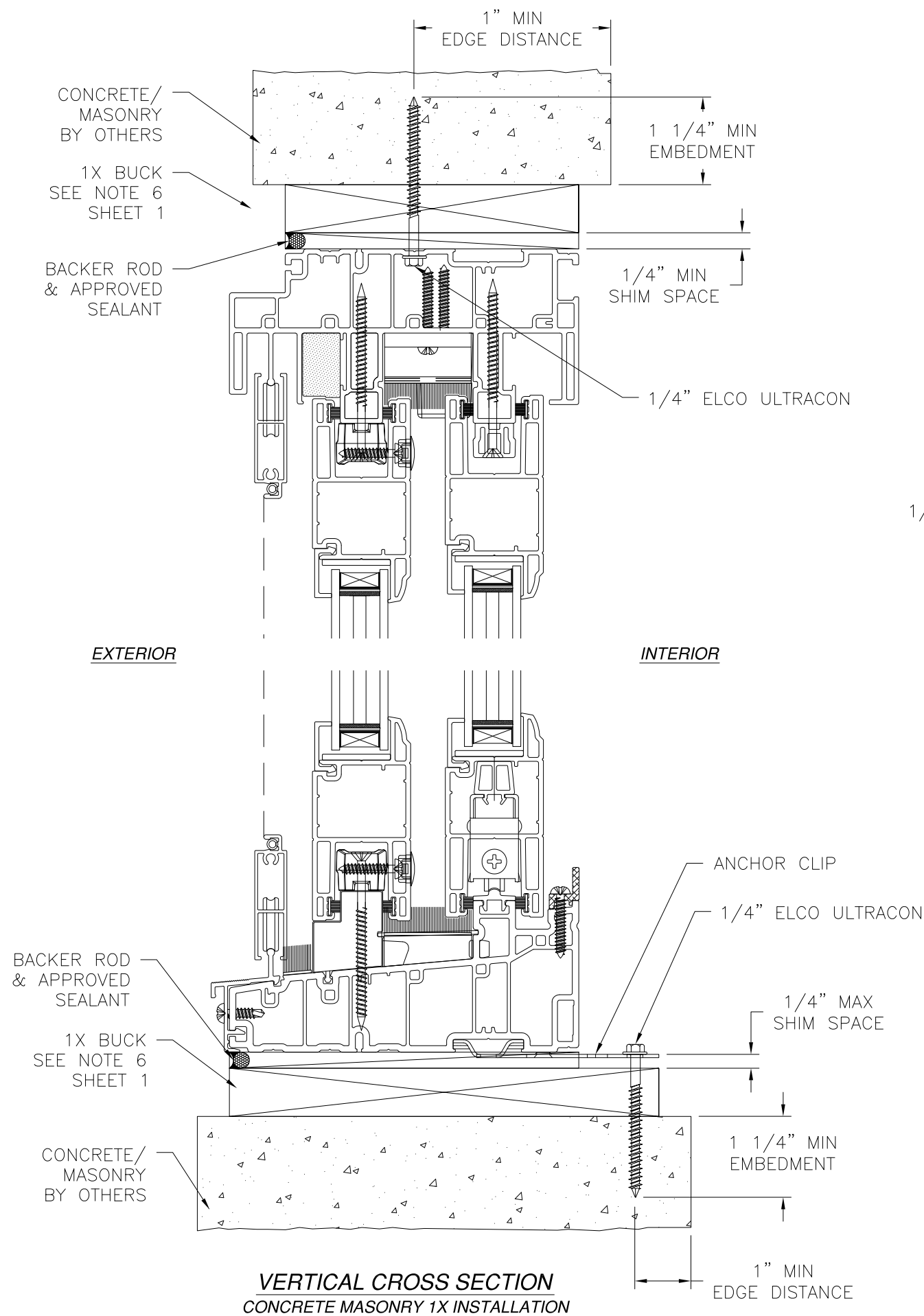
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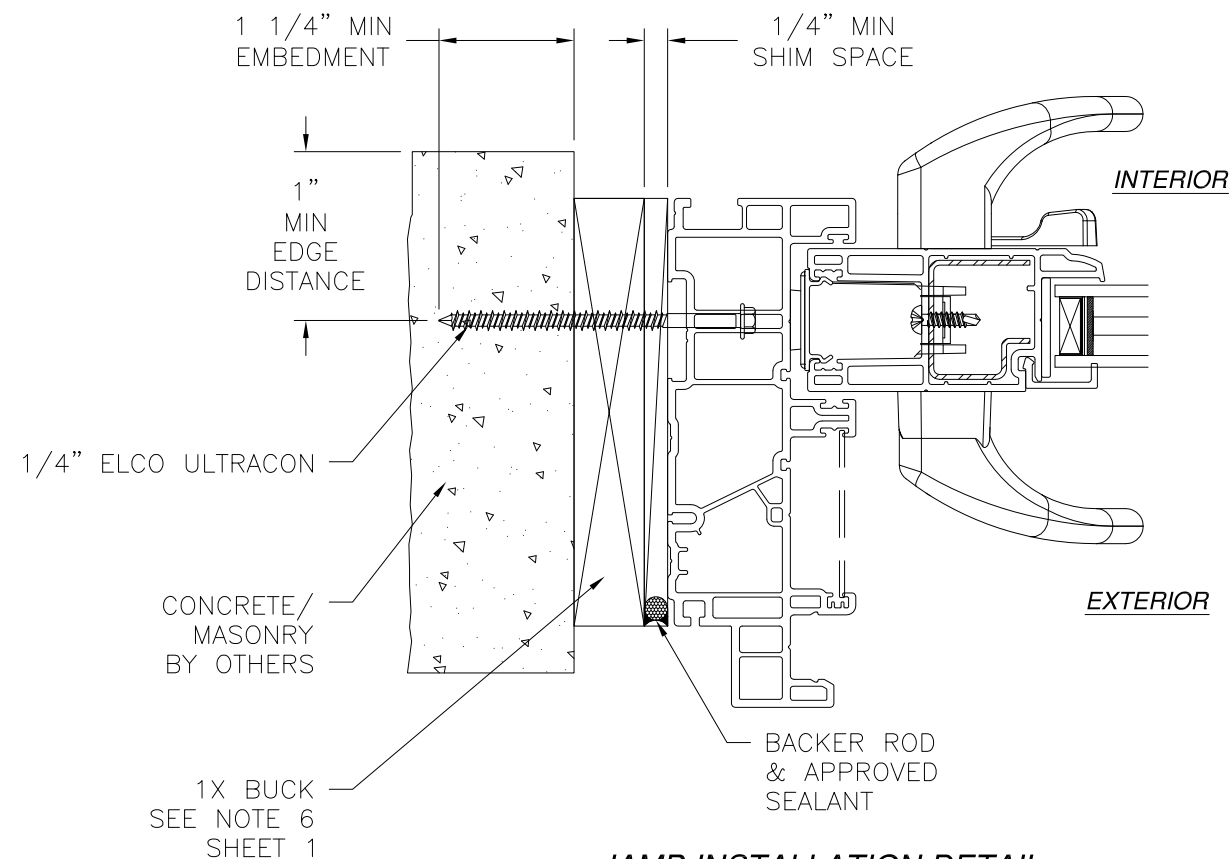
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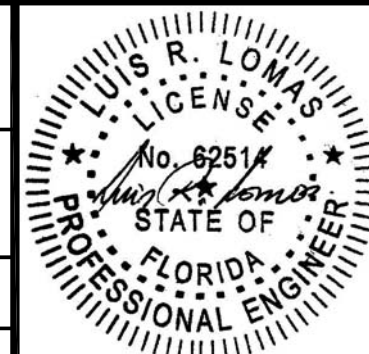


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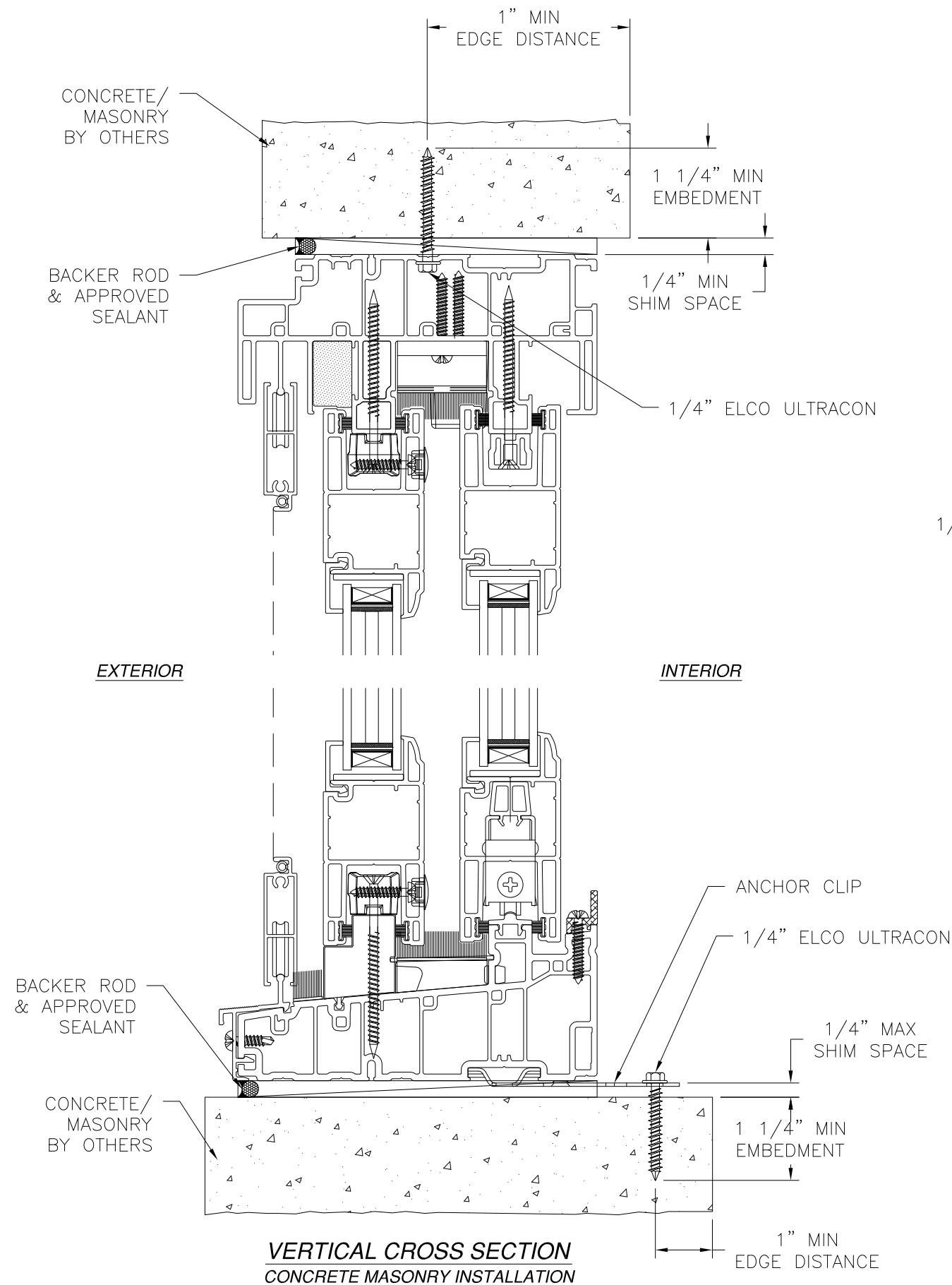
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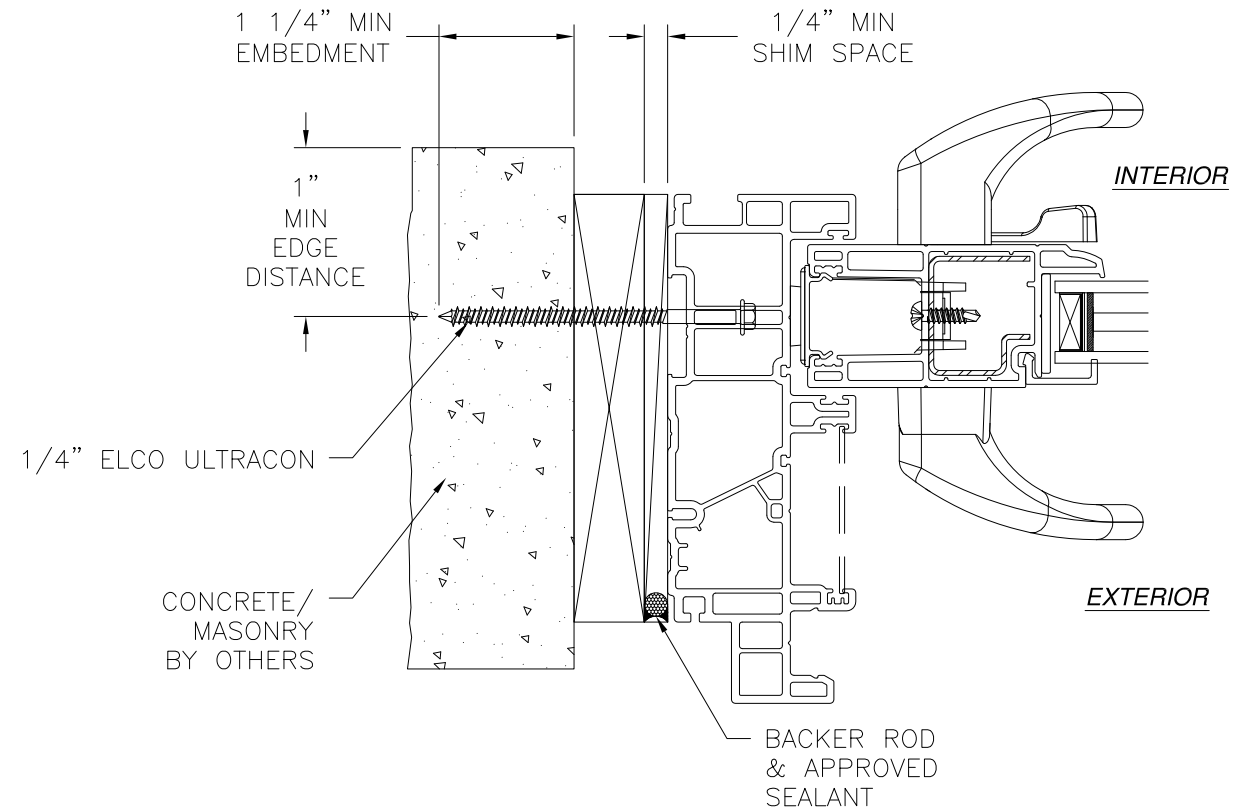
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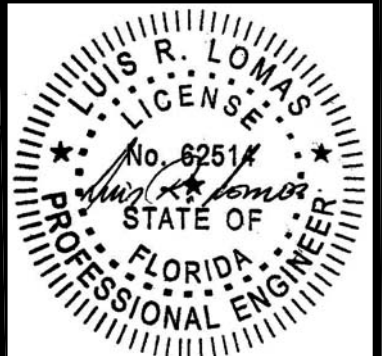


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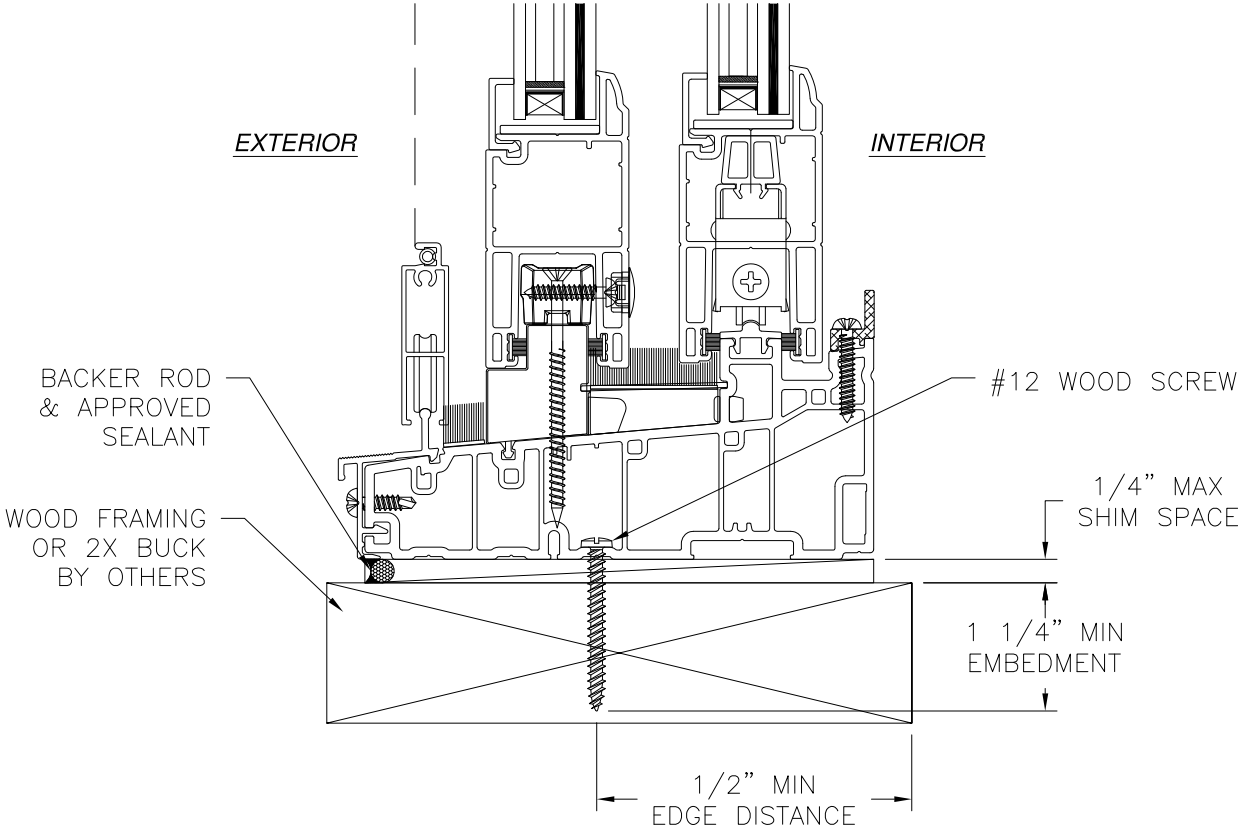
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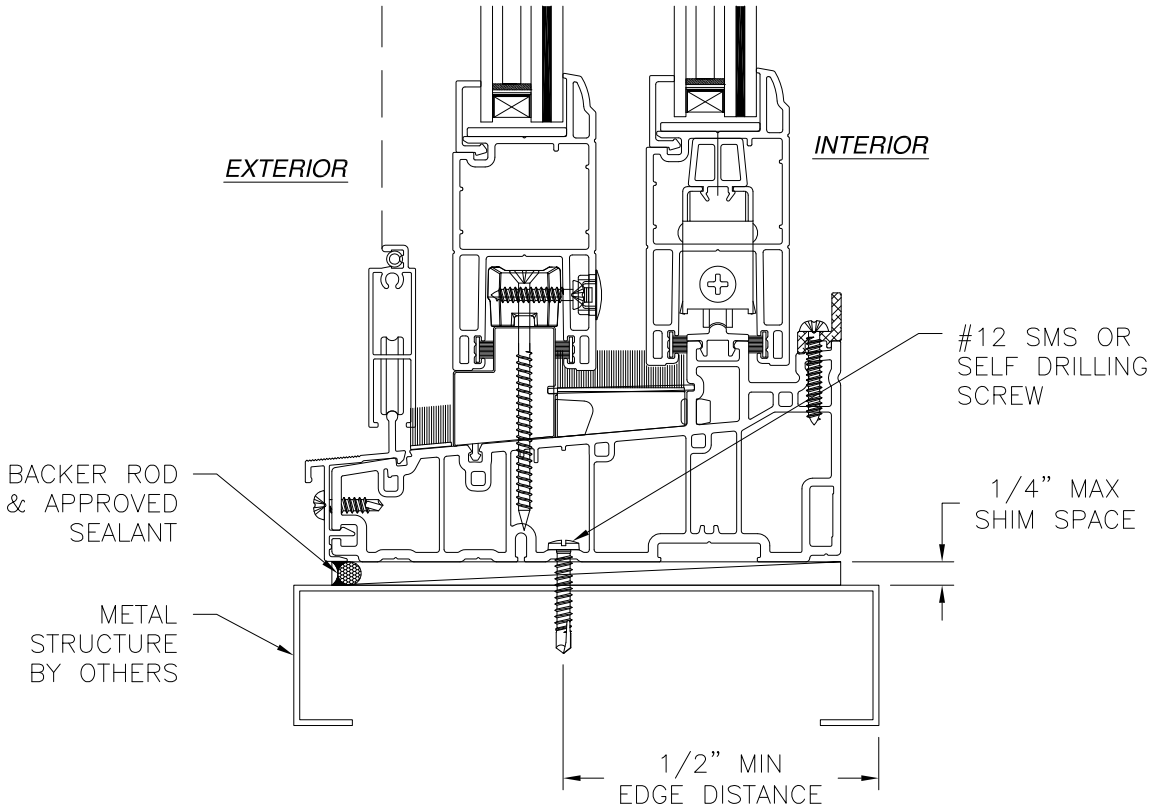
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OPTIONAL SILL INSTALLATIONS

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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

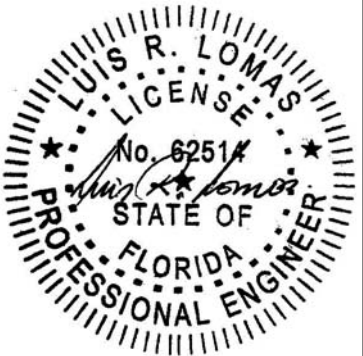


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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

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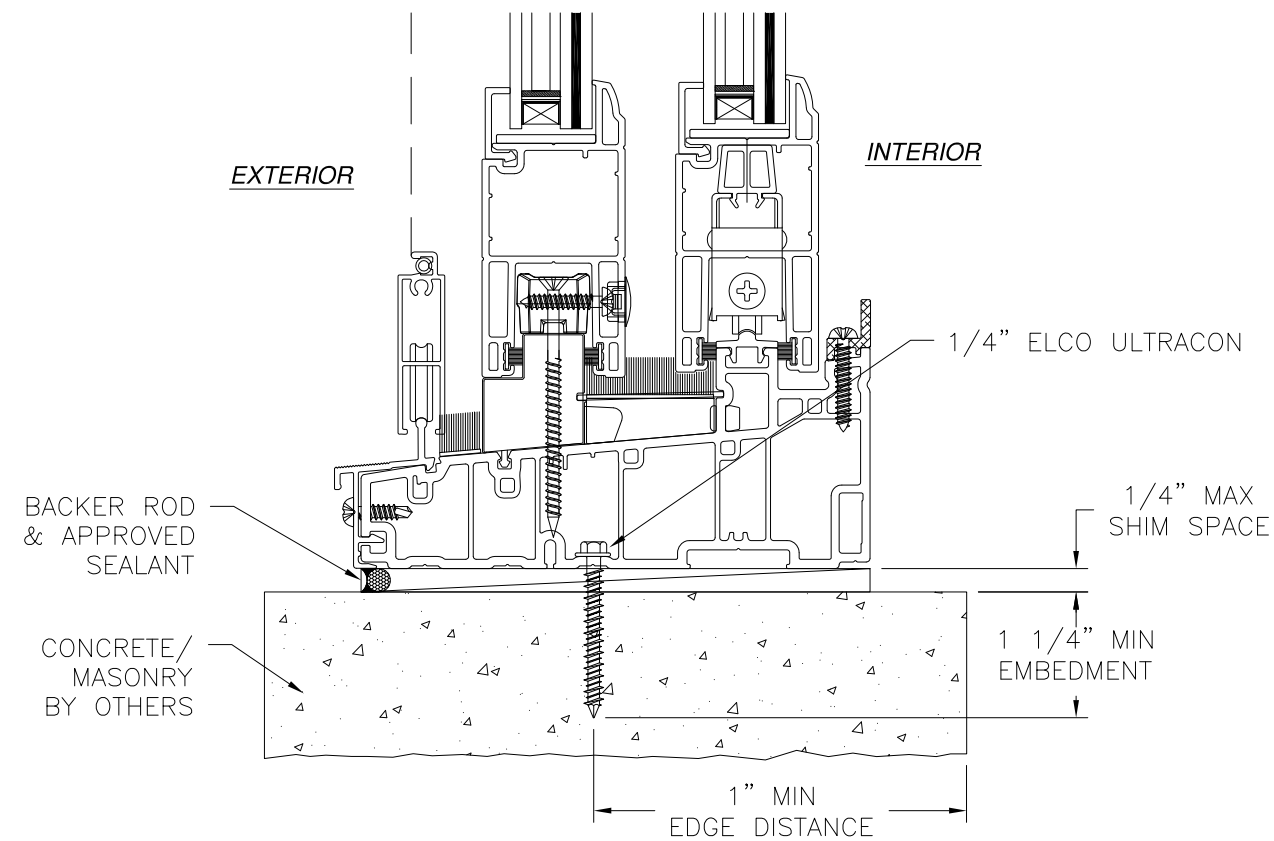
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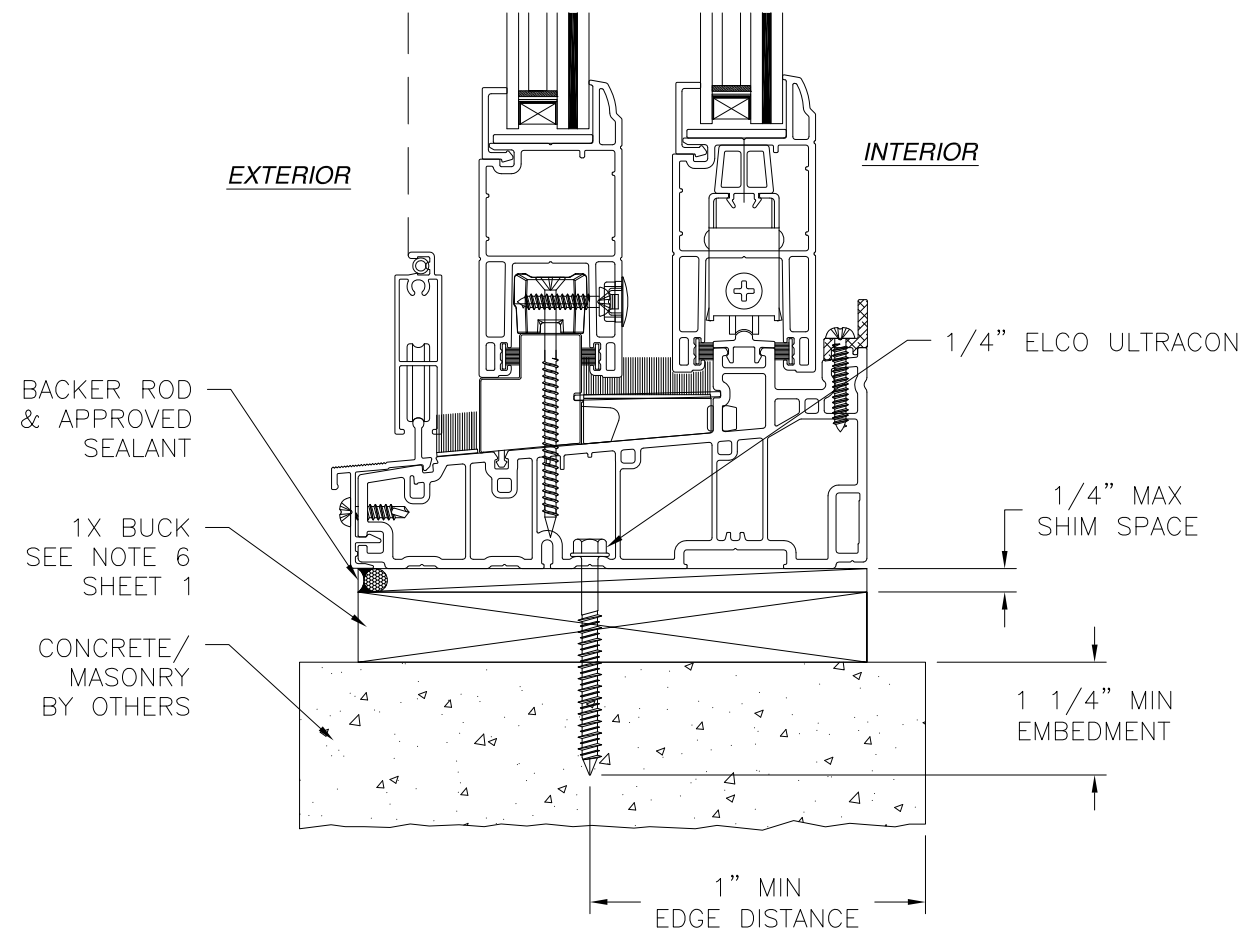
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VERTICAL CROSS SECTION
CONCRETE MASONRY INSTALLATION

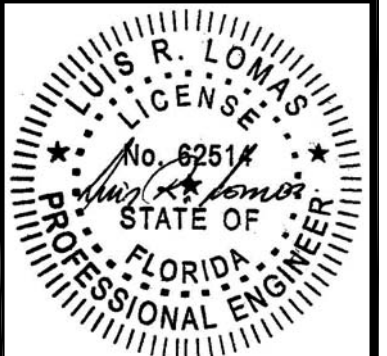


VERTICAL CROSS SECTION
CONCRETE MASONRY 1X INSTALLATION

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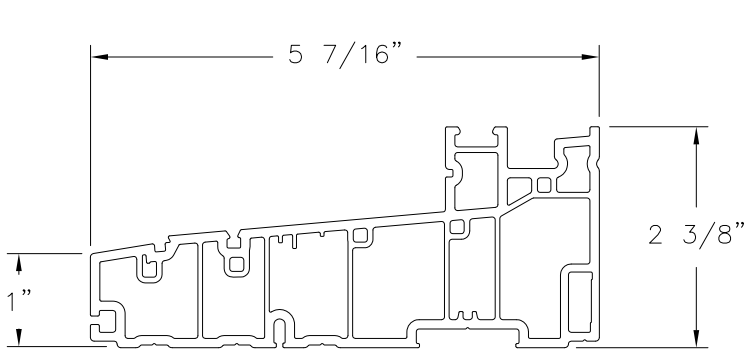
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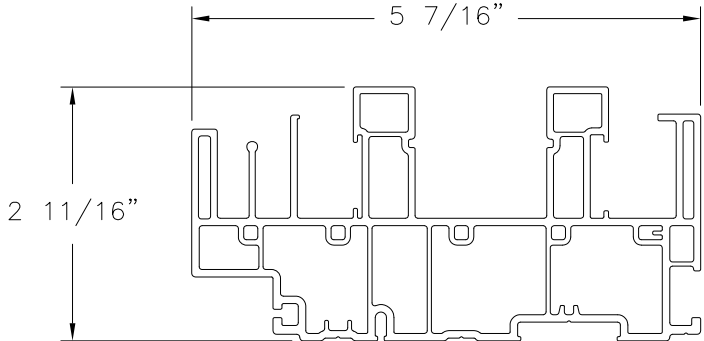


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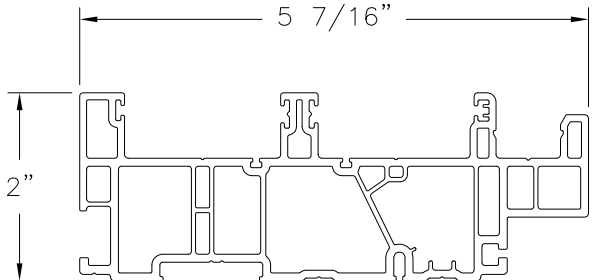
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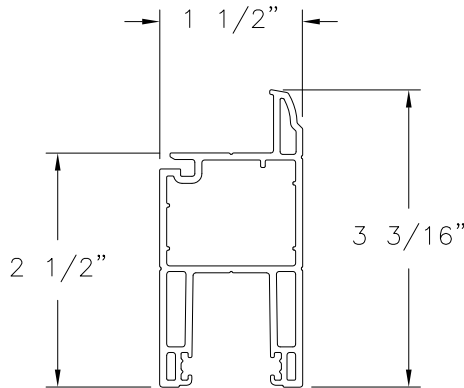
SILL (7000)
EXTRUDED RIGID PVC



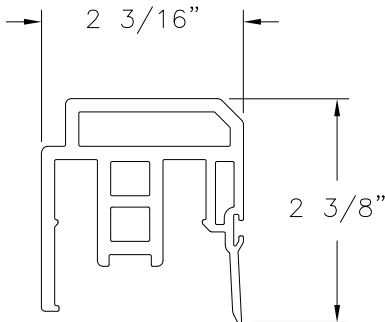
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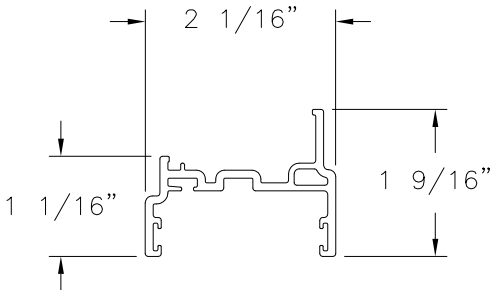
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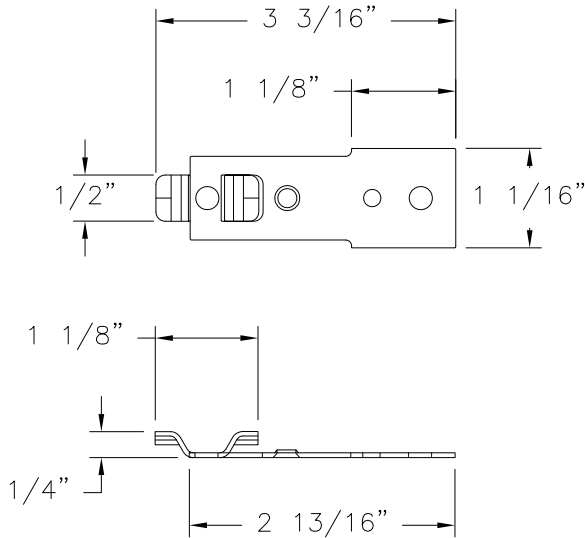
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EXTRUDED RIGID PVC



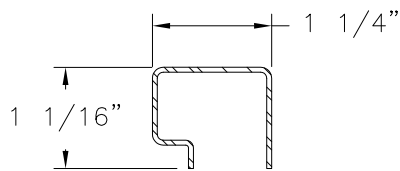
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EXTRUDED RIGID PVC



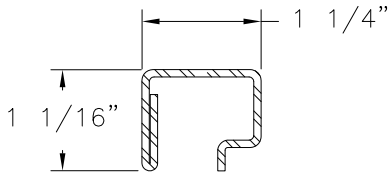
ASTRAGAL
EXTRUDED RIGID PVC



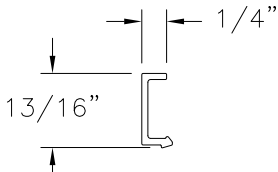
CLIP
GALVANIZED STEEL (.051" THICK)



STILE REINFORCEMENT (9598)
STEEL



CENTER STILE REINFORCEMENT (9599)
STEEL



GLAZING BEAD
EXTRUDED RIGID PVC

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