

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	10/30/2023	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING 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 NEEDED 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 #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.
14. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" 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.
15. FOR ANCHORING 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.
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 3/16" 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:
 - 20.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 20.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 20.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 20.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM

SIGNED: 10/30/2023

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

SERIES 1615/1617 PVC SLIDING GLASS DOOR
NON – IMPACT OXXO
NOTES

DRAWN:
A.R.

DWG NO.
08-03133

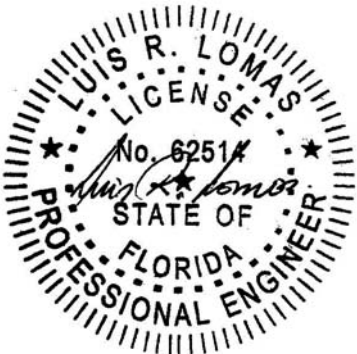
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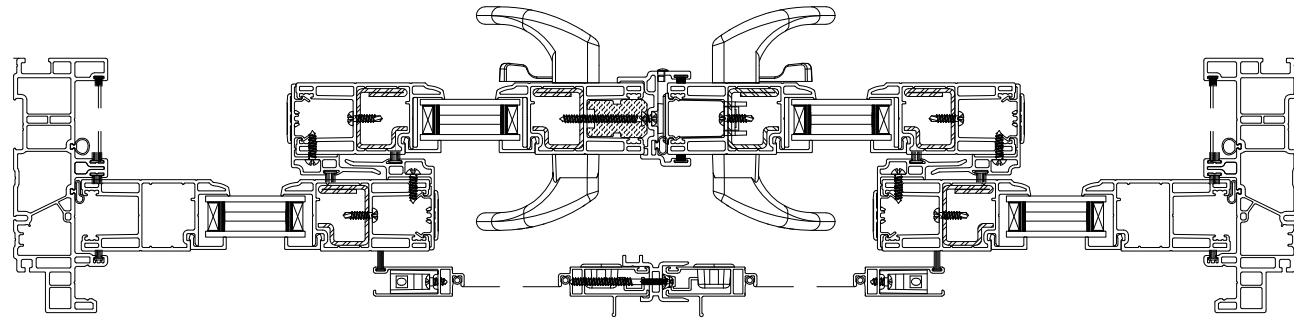
DATE 06/29/17

SHEET 1 OF 7

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



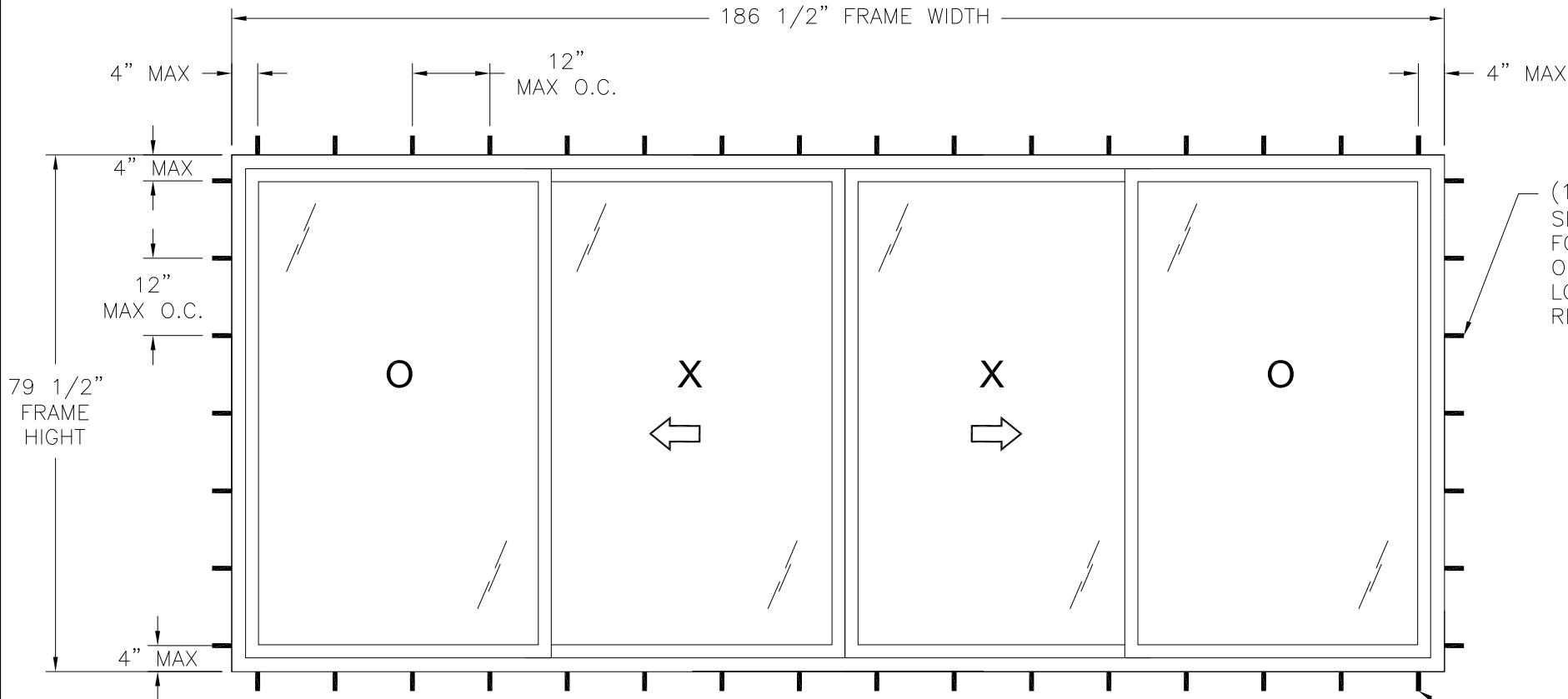
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CHART #1

Frame Height (in)	Number of anchor locations required											
	Frame Width (in)											
	72.00		96.00		120.00		144.00		168.00		186.50	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
79.50	7	7	9	7	11	7	13	7	15	7	16	7



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

- NOTES:
- PANEL SIZE: 48 1/2" x 75 1/4"
 - D.L.O. SIZE: 40 7/8" x 69"

ANCHORS AT SILL
TO BE INSTALLED THROUGH
ANCHOR CLIP

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

4 PANEL SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS
INDIVIDUAL PANEL AREA DOES NOT EXCEED 25.3 FT² AND USES VERTICAL CONDITIONS AS SHOWN HEREIN.

DESIGN PRESSURE RATING	IMPACT RATING
±20.0PSF	NONE

HARDWARE SCHEDULE	
A.	(1) ONE POINT LOCK WITH HANDLE AND KEEPER AT 37 5/8" FROM BOTTOM RAIL ON EACH OPERABLE PANEL
B.	(4) NYLON ROLLERS AT OPERABLE PANEL BOTTOM RAIL, 4" FROM EACH STILE
C.	(4) ROLLERS WITH SPRINGS AT BOTTOM OF SCREEN STILES
D.	(1) SCREEN LOCK WITH KEEPER AT SCREEN LOCK STILE, 38" FROM BOTTOM RAIL ON SCREEN
E.	(1) SASH STOPPER AT MIDSPAN ALONG THE HEAD
F.	(1) PANEL HEAD SCREEN STOPPER AT MIDSPAN ALONG THE HEAD
G.	STEEL REINFORCEMENT (9895) AT OPERABLE PANEL KEEPER STILE
H.	STEEL REINFORCEMENT (9599) AT MEETING STILES
I.	WOOD REINFORCEMENT (9882) AT OPERABLE PANEL KEEPER

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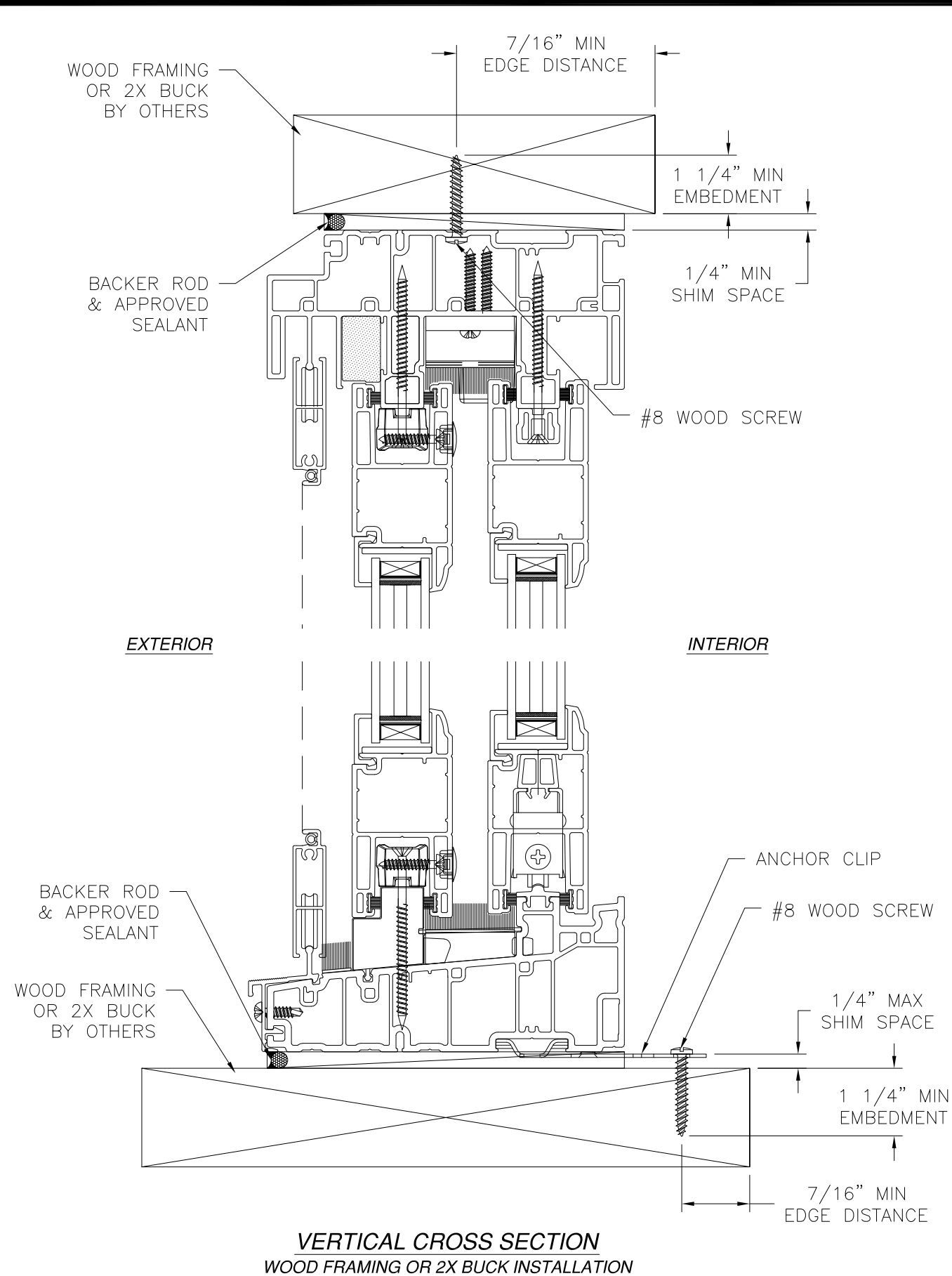
SHEET 2 OF 7

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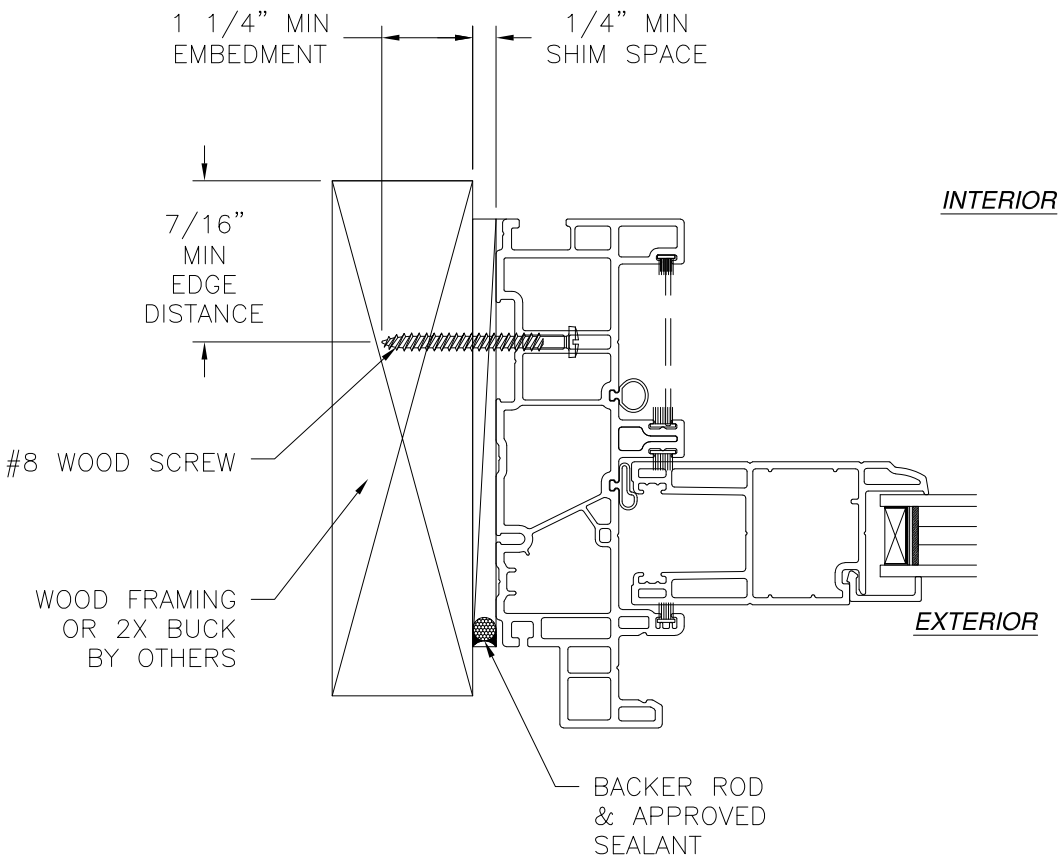
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

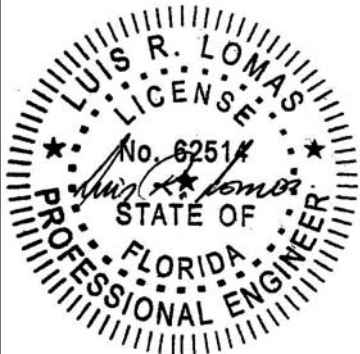


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

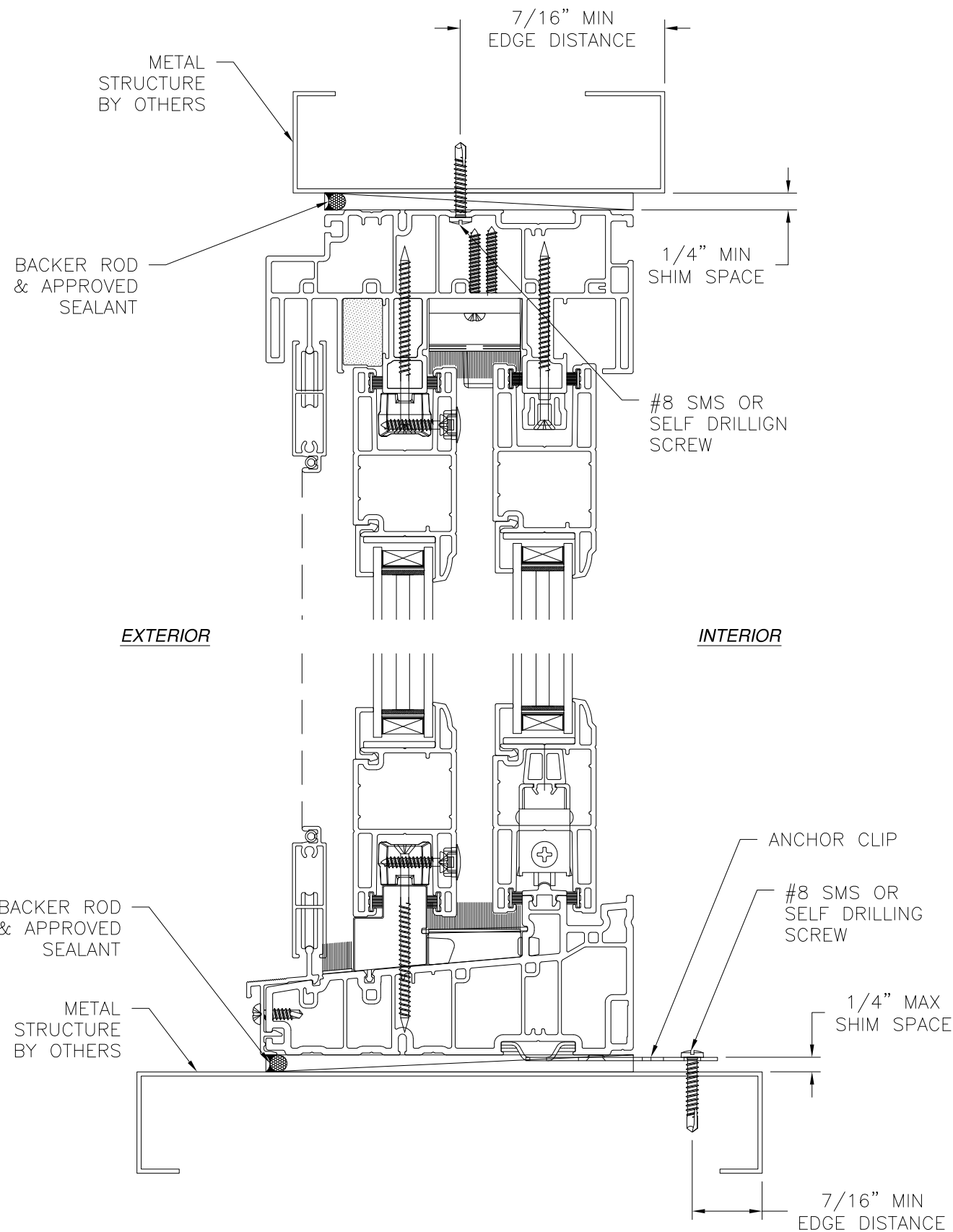
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SERIES 1615/1617 PVC SLIDING GLASS DOOR NON - IMPACT OXXO INSTALLATION DETAILS		
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SCALE NTS	DATE 06/29/17	SHEET 3 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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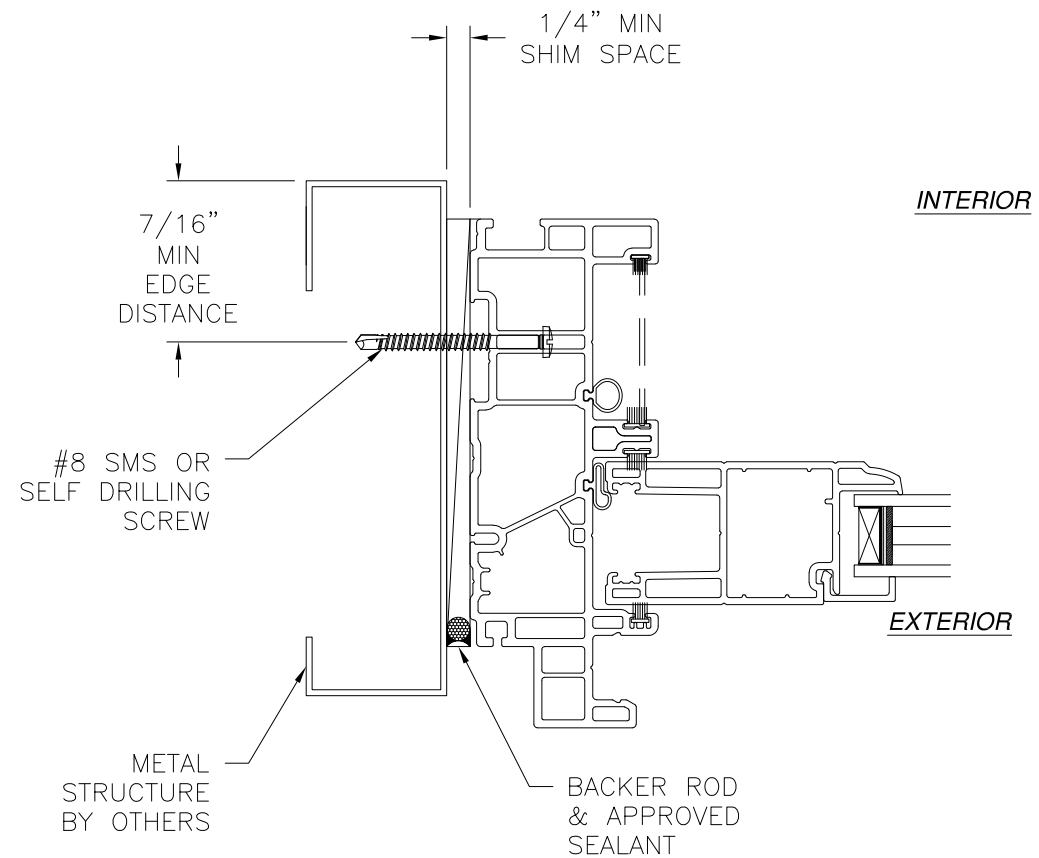


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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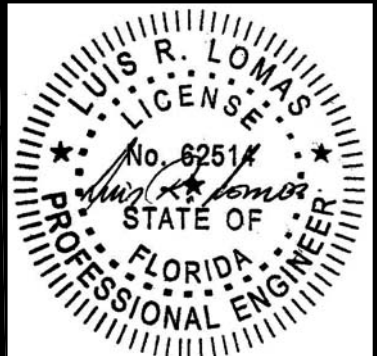
650 WEST MARKET STREET
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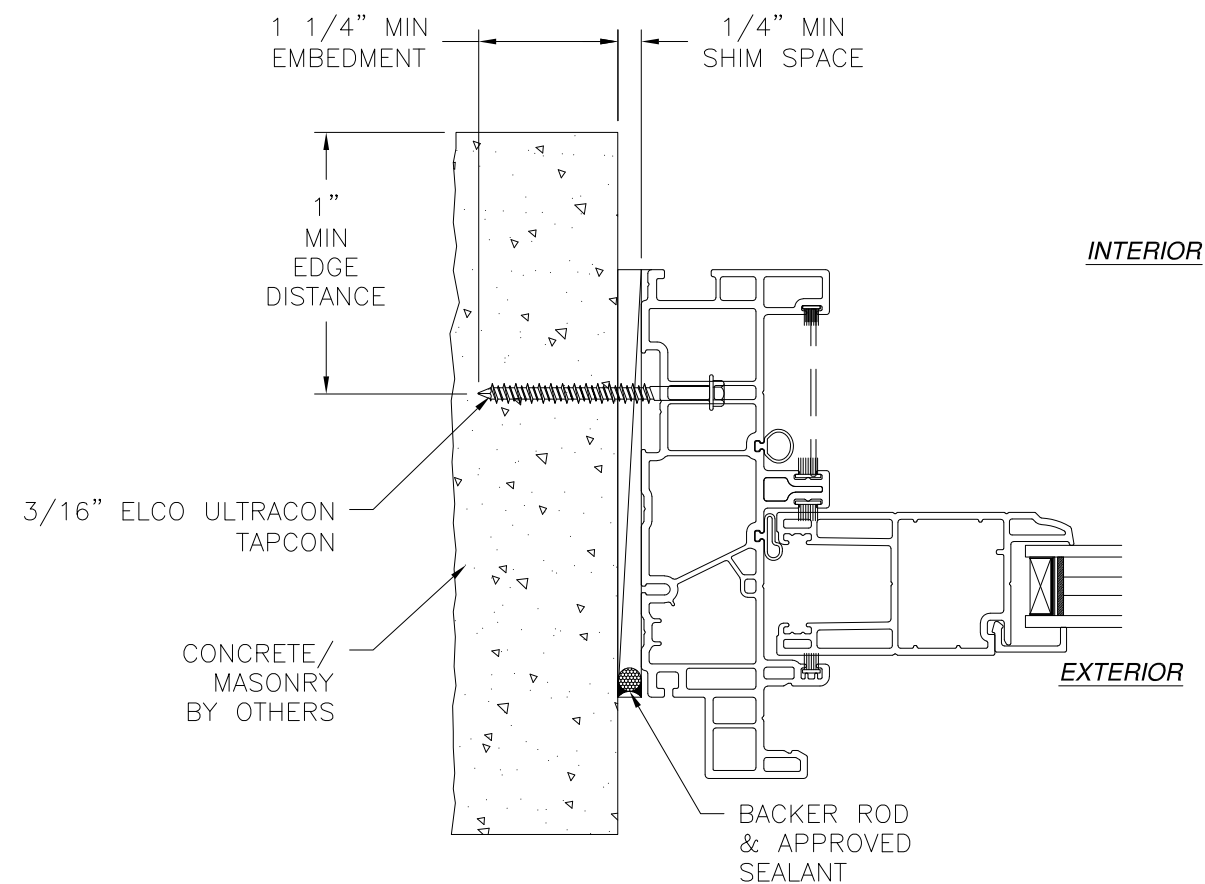
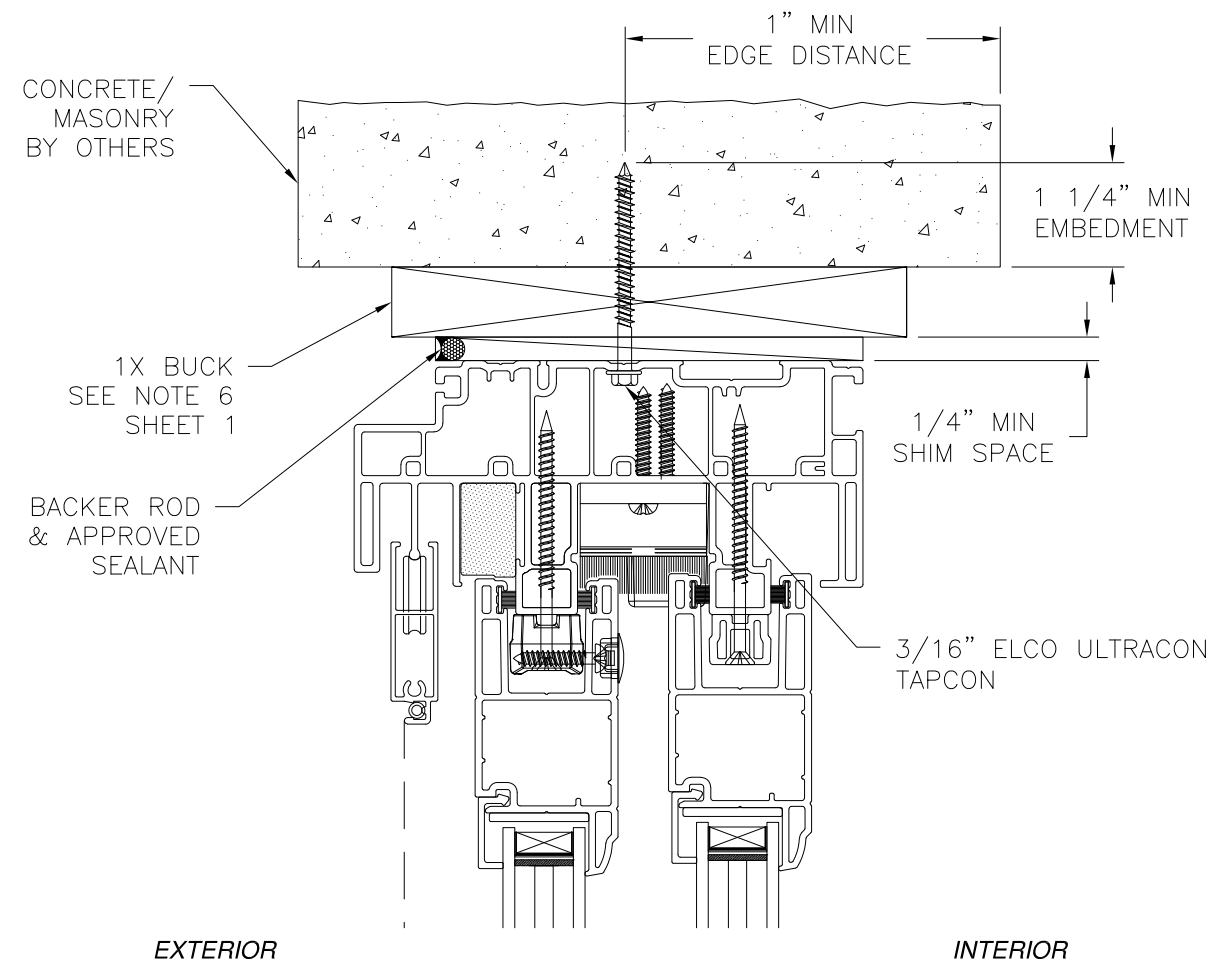
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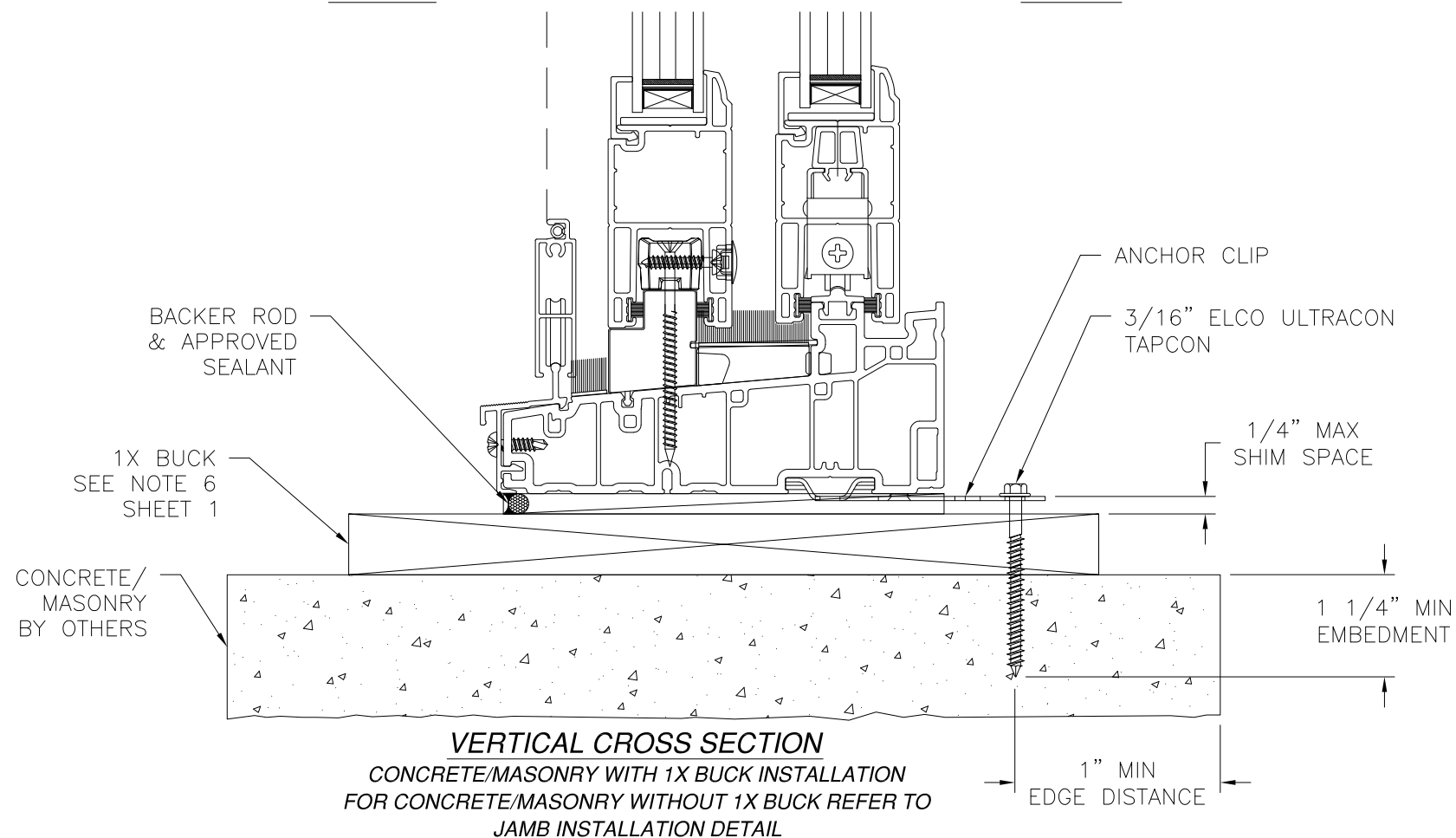
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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

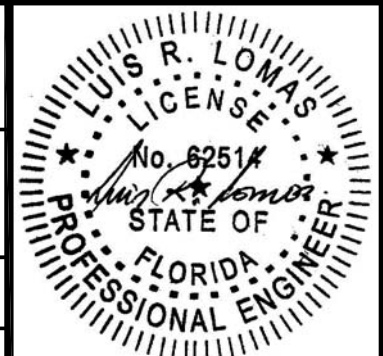
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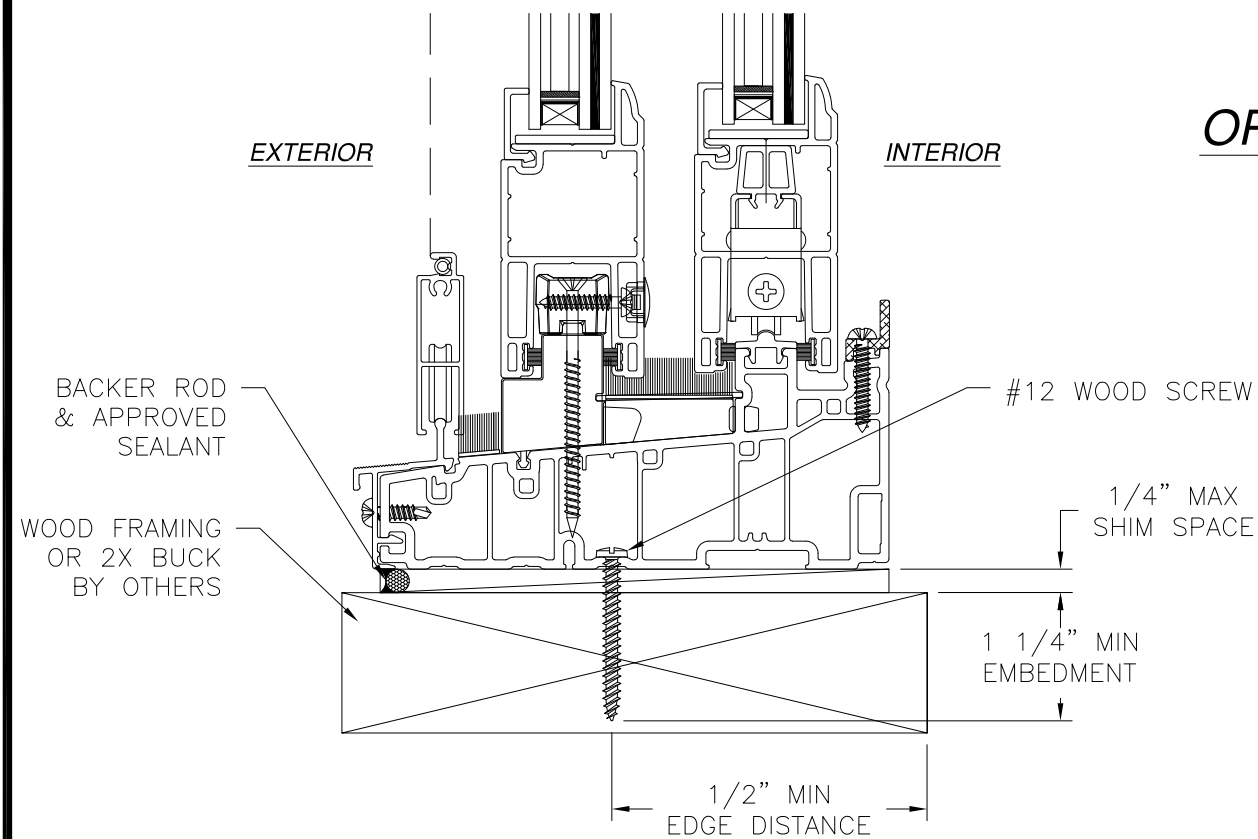
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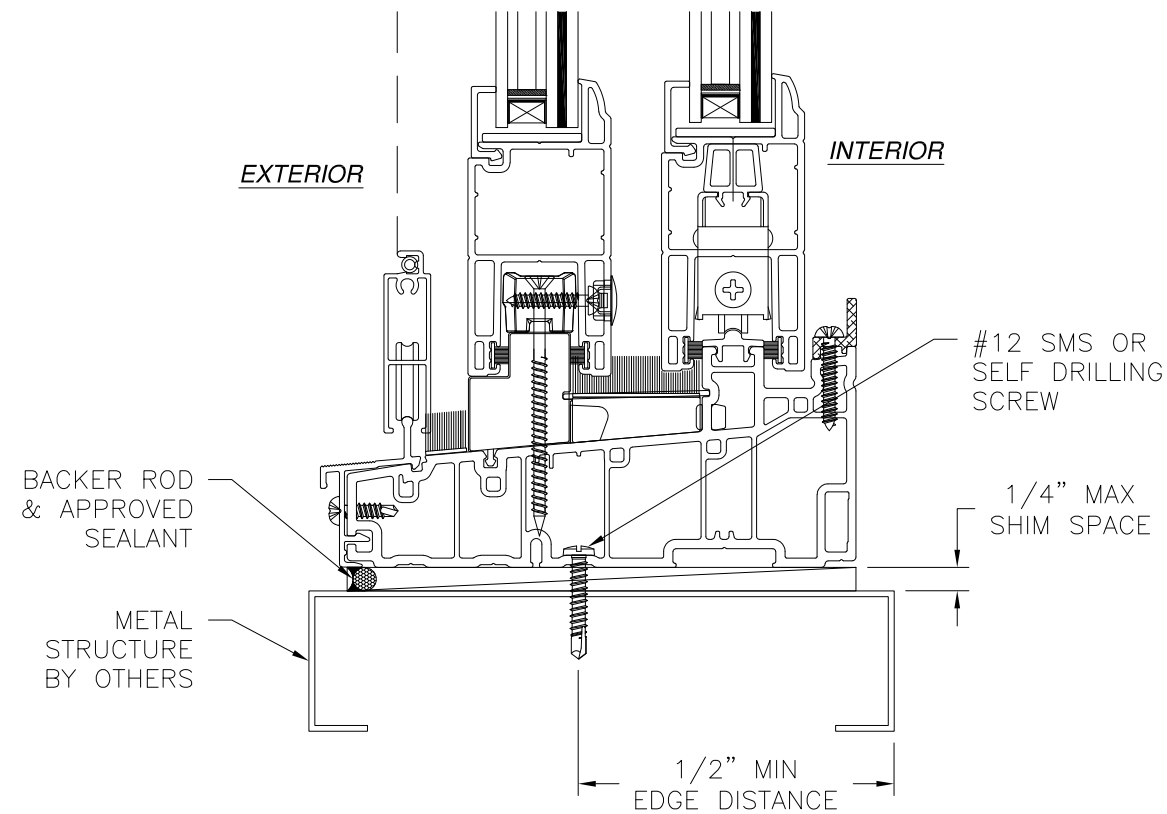
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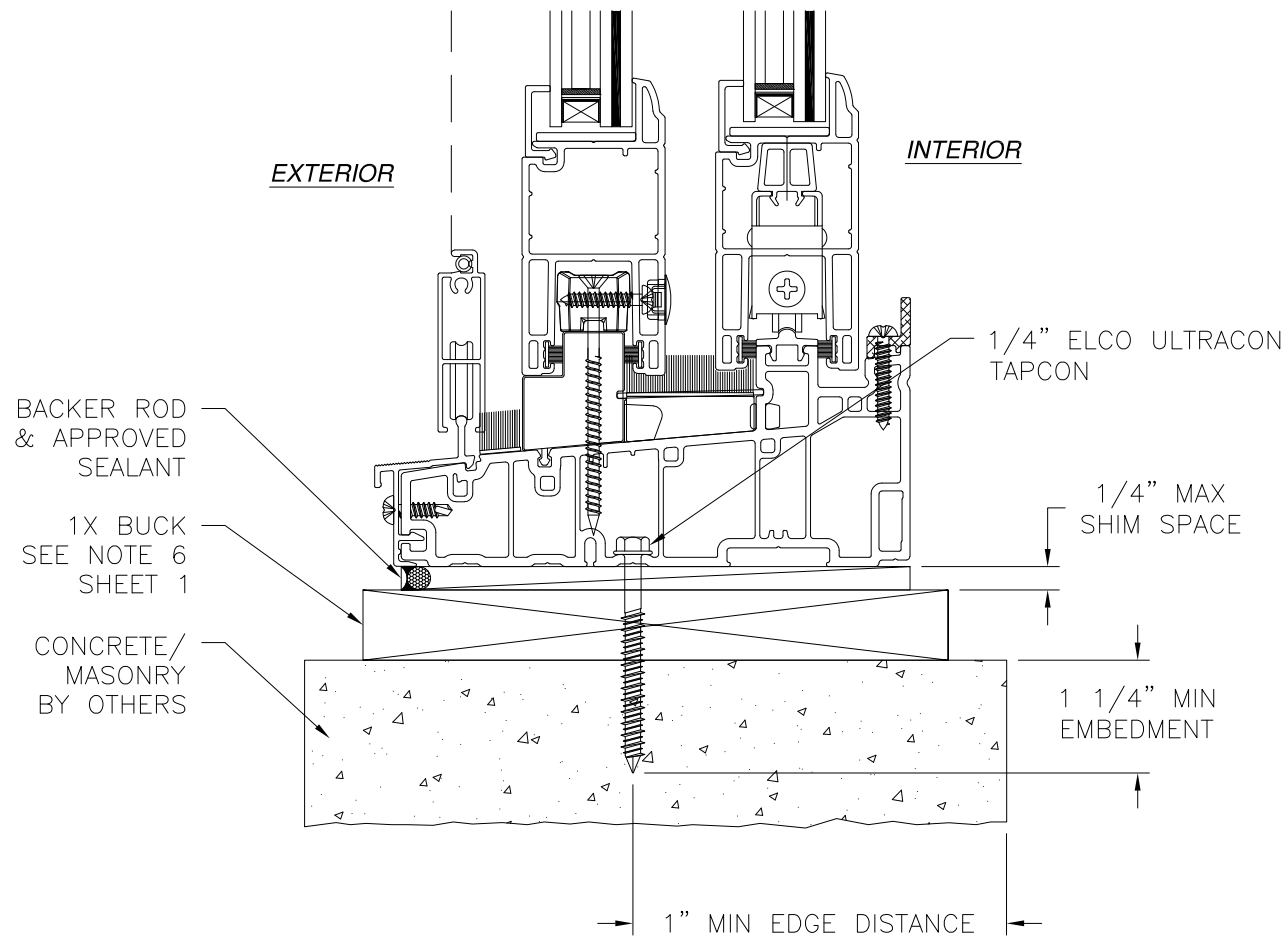
OPTIONAL SILL INSTALLATIONS



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



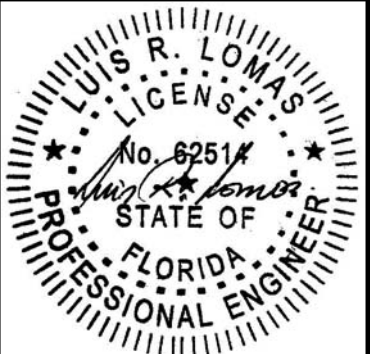
VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL

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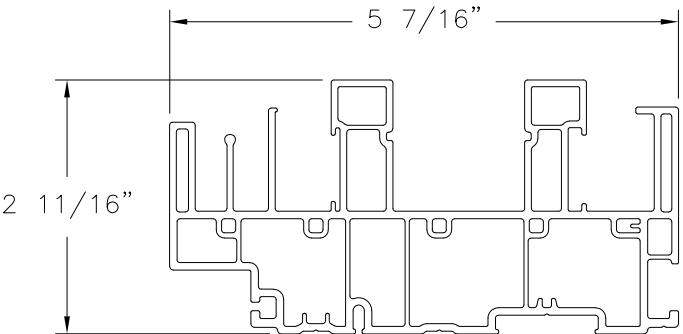
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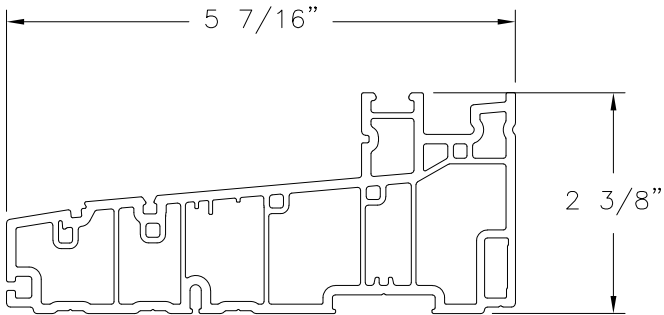


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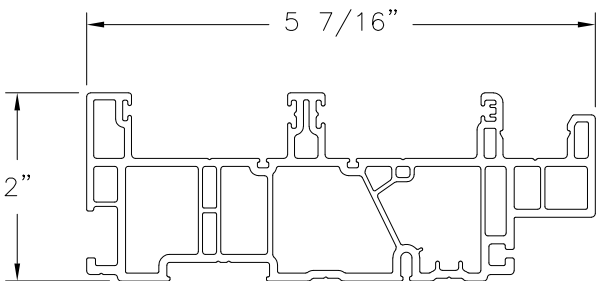
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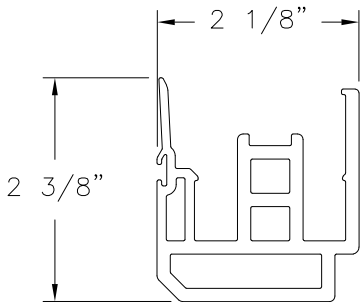
HEAD (7002)
RIGID PVC



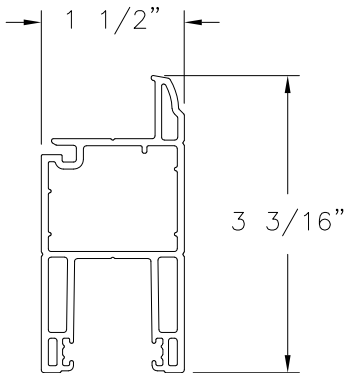
SILL (7000)
RIGID PVC



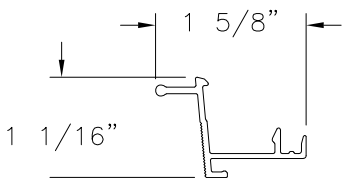
JAMB (7004)
RIGID PVC



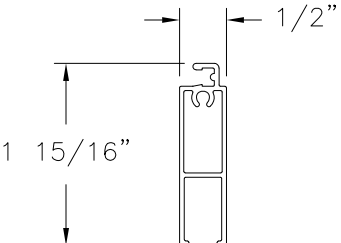
INTERLOCK (7026)
RIGID PVC



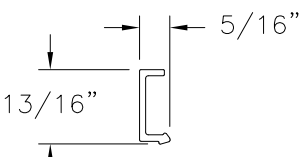
RAIL / STILE (7500)
RIGID PVC



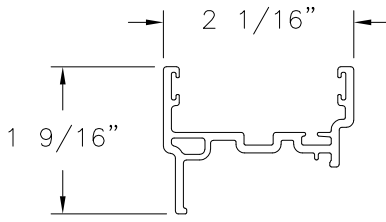
SILL CLADDING (9991)
ALUMINUM



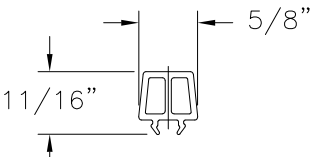
SCREEN
ALUMINUM



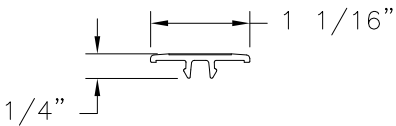
GLAZING BEAD
(5775, -70, -71, 72)
RIGID PVC



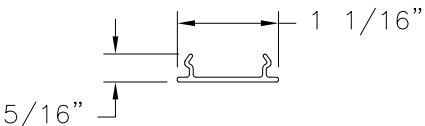
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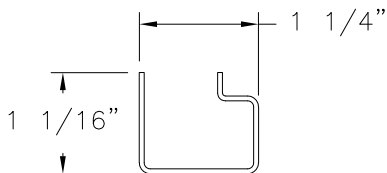
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TANDEM WHEEL SHIM (7541)
RIGID PVC



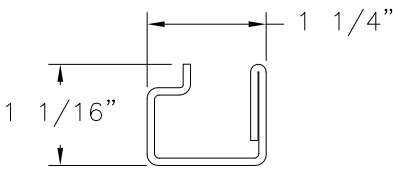
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RIGID PVC



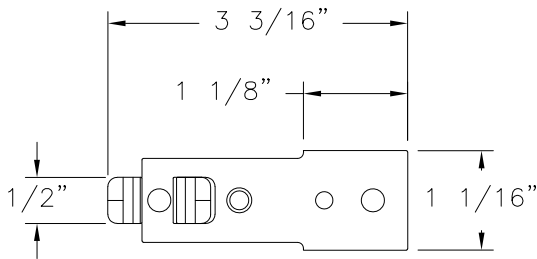
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(7523)
RIGID PVC



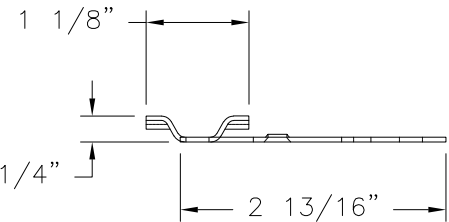
STILE REINFORCEMENT
(9598)
STEEL



STILE REINFORCEMENT
(9599)
STEEL



CLIP
GALVANIZED STEEL (.051" THICK)



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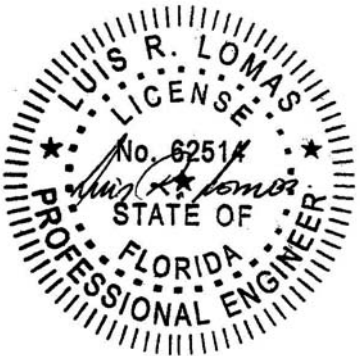
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