

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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
- 4. 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.
- 5. 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.
- 6. 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.
- 7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
- 8. FOR FIN INSTALLATION SHIM AS NEEDED. 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”.
- 9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
- 10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 11. FRAME MATERIAL: EXTRUDED RIGID PVC.
- 12. UNITS MUST BE GLAZED PER ASTM E1300 WITH SAFETY GLAZING.
- 13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

- 14. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 15. 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.
- 16. 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 1/2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 17. 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.
- 18. ALL FASTENERS TO BE CORROSION RESISTANT.
- 19. 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:
 - 19.A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 19.B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - 19.C. MASONRY – STRENGTH CONFORMANCE TO ASTM C–90, GRADE N, TYPE 1 (OR GREATER).
 - 19.D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063–T5 1/8” THICK MINIMUM
- 20. APPROVED CONFIGURATIONS: OX, XO.

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SHEET NO.	DESCRIPTION
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REVISIONS

REV	DESCRIPTION	DATE

VIVINCO, INC.

MORGANTOWN BUSINESS PARK, P.O. BOX 499
MORGANTOWN, PA 19543

S-SERIES PATIO DOOR XO
96" X 96" REINFORCED NON-IMPACT
NOTES

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

DWG NO.
08-02597

SHEET
1 OF 6

SCALE NTS

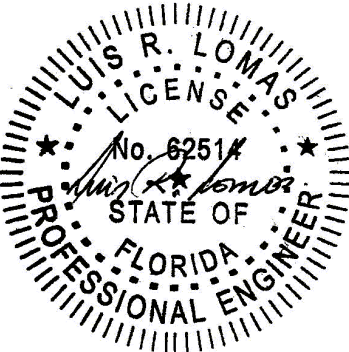
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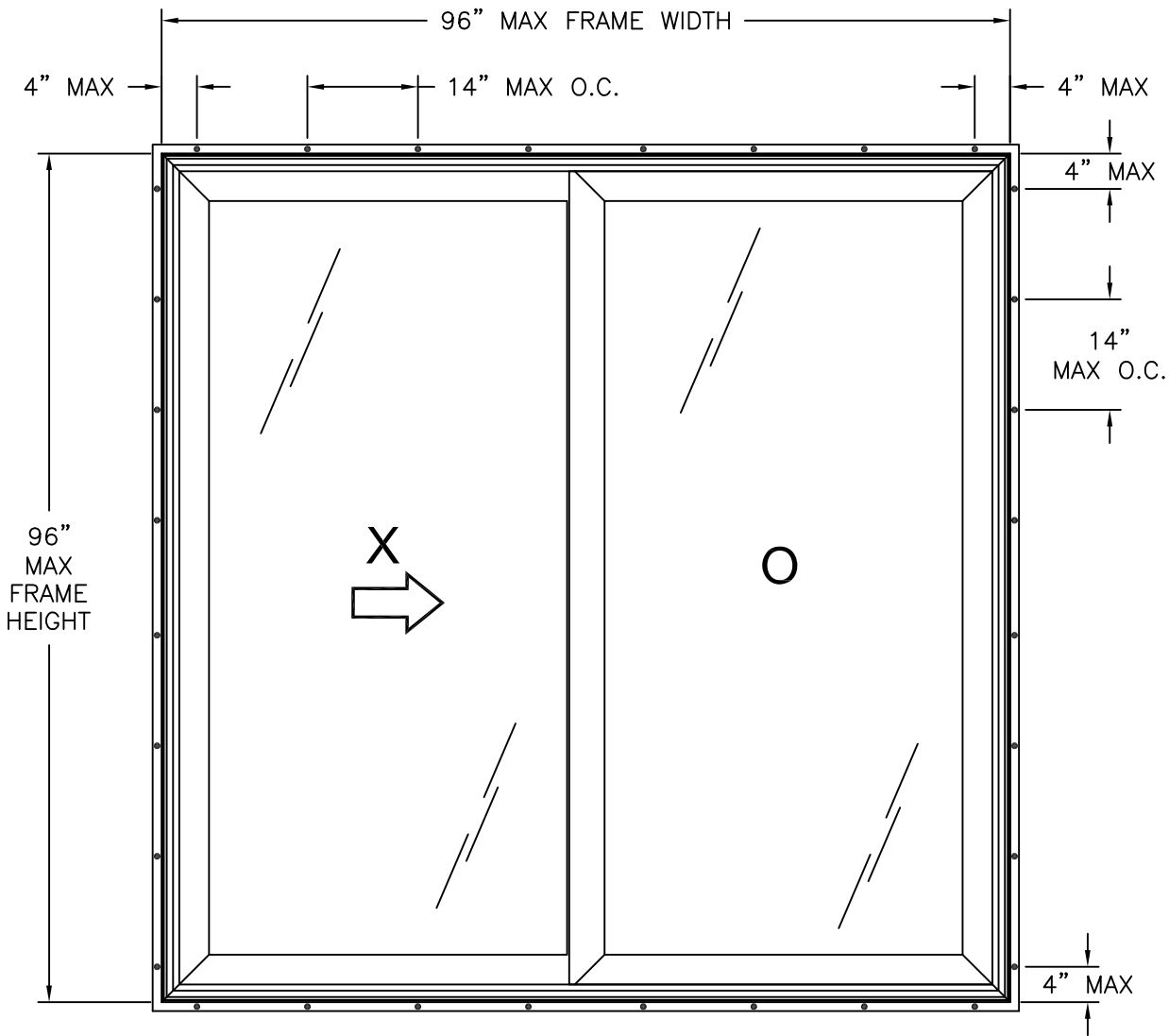
DRAWN V.L.

DATE: 02/04/15

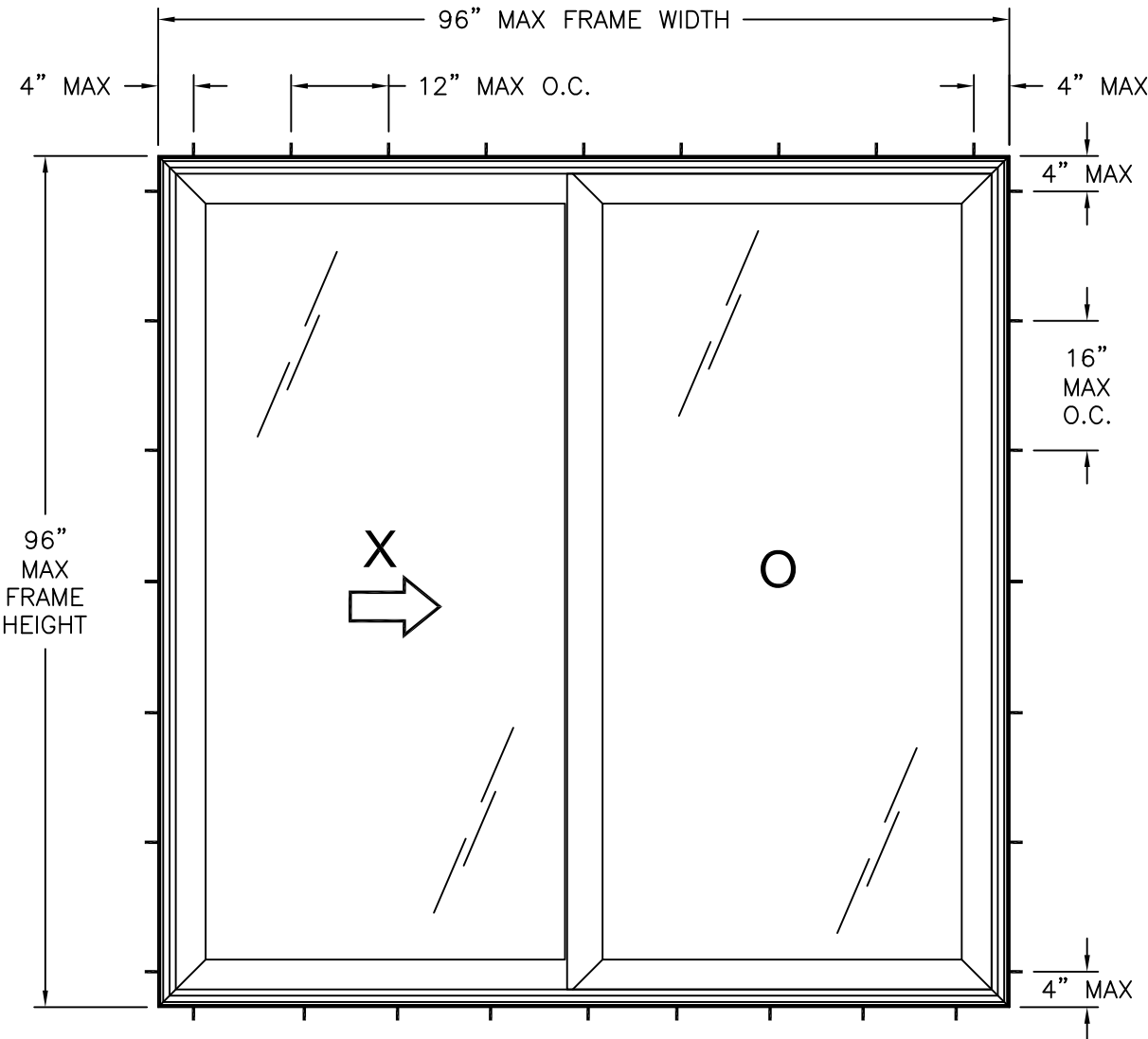
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Luis R. Lomas P.E.
FL No.: 62514



S-SERIES PATIO DOOR XO
EXTERIOR VIEW
FIN INSTALLATION



CAMBRIDGE PATIO DOOR XO
EXTERIOR VIEW
FRAME INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

HARDWARE SCHEDULE	
A.	(1) PULL HANDLE AND LOCK ASSEMBLY ON LOCK STILE
B.	(2) METAL ROLLER ASSEMBLY ONE AT EACH END OF BOTTOM RAIL
C.	(2) ALUMINUM L-BRACKET ONE AT EACH END OF FIXED MEETING STILE
D.	ALUMINUM REINFORCEMENT 10300149 ON ALL FRAME MEMBERS
E.	ALUMINUM REINFORCEMENT 10300151 ON MEETING STILES
F.	ALUMINUM REINFORCEMENT 10300150 ON JAMB STILES
G.	ALUMINUM REINFORCEMENT 10300152 ON BOTTOM RAIL OF OPERABLE PANEL

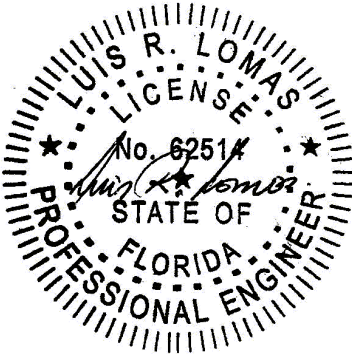
- NOTES:
- (4) 3/16" WEEP HOLE ONE AT EACH END OF BOTTOM RAIL.
 - MAXIMUM PANEL SIZE: 48 1/2" X 92 7/8"
 - MAXIMUM D.L.O.: 40" X 84 3/4"

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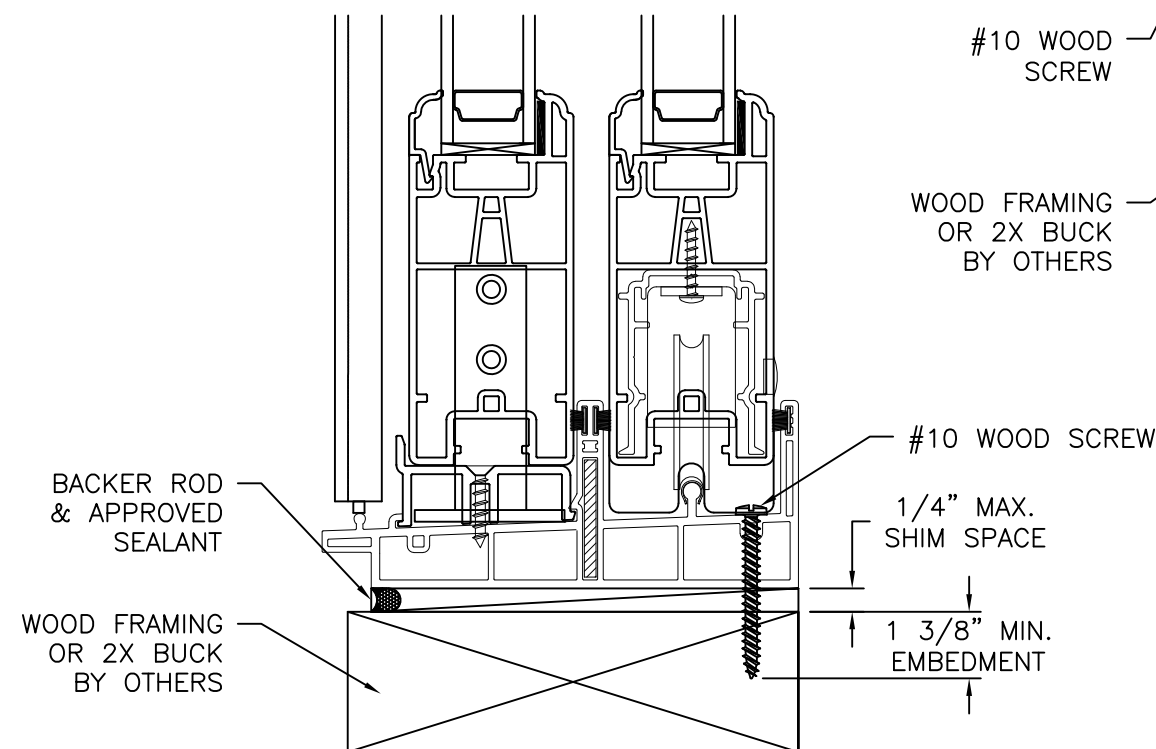
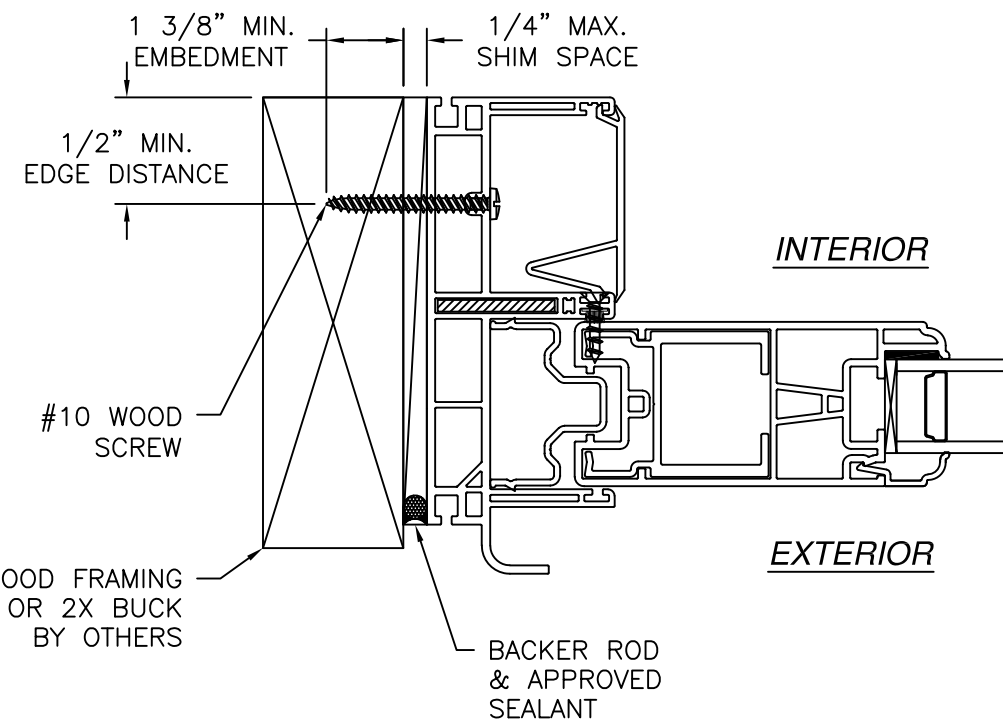
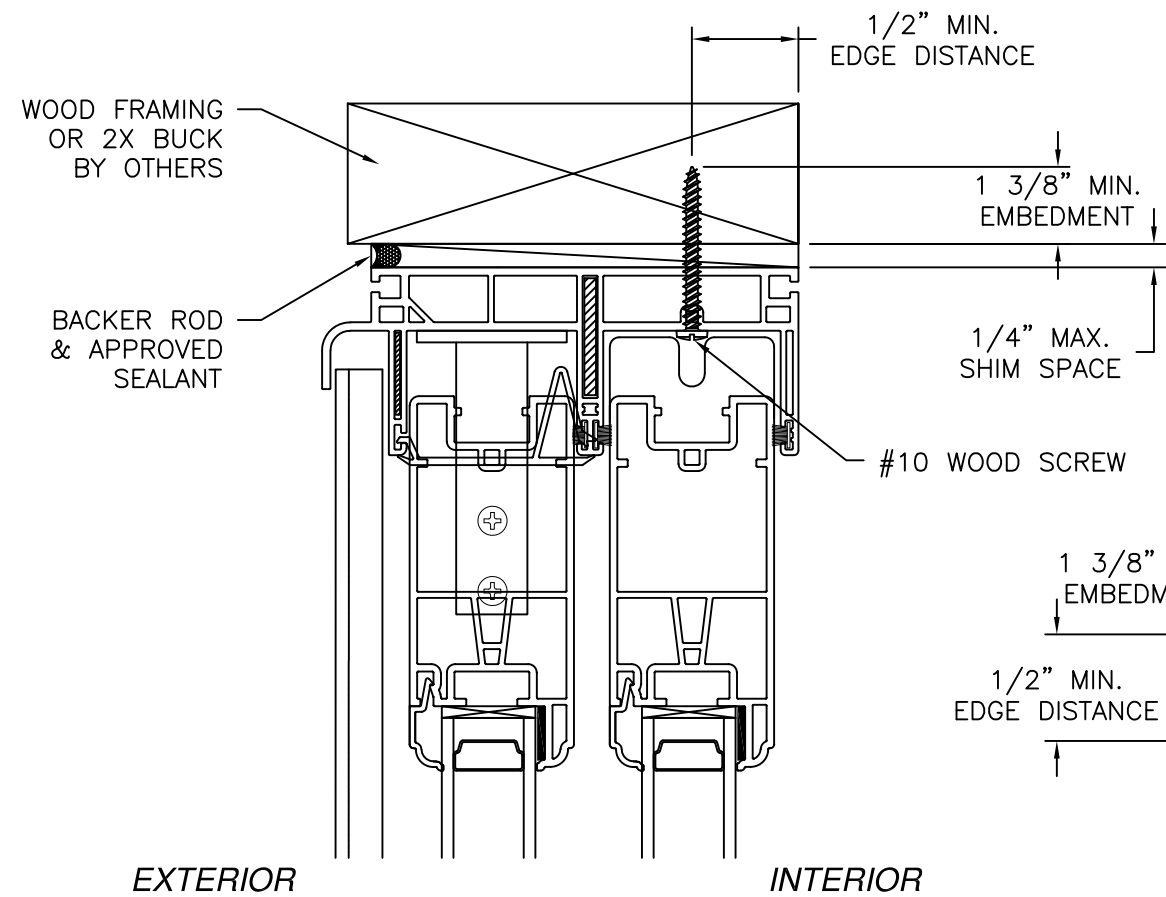
VIVINCO, INC. MORGANTOWN BUSINESS PARK, P.O. BOX 499 MORGANTOWN, PA 19543		L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rlomas@rlomaspe.com
S-SERIES PATIO DOOR XO 96" X 96" REINFORCED NON-IMPACT ELEVATIONS		

DWG NO. 08-02597	SHEET 2 OF 6
SCALE NTS	REV - FPA -
DRAWN V.L.	DATE: 02/04/15

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

REVISIONS		DATE
REV	DESCRIPTION	

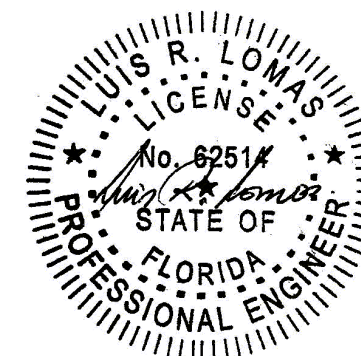
VIWINCO, INC.
MORGANTOWN BUSINESS PARK, P.O. BOX 499
MORGANTOWN, PA 19543

S-SERIES PATIO DOOR XO
96" X 96" REINFORCED NON-IMPACT
FRAME INSTALLATION DETAILS

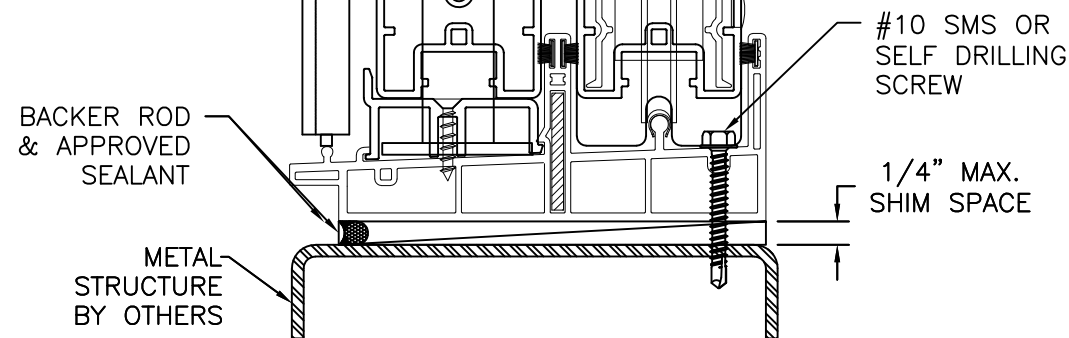
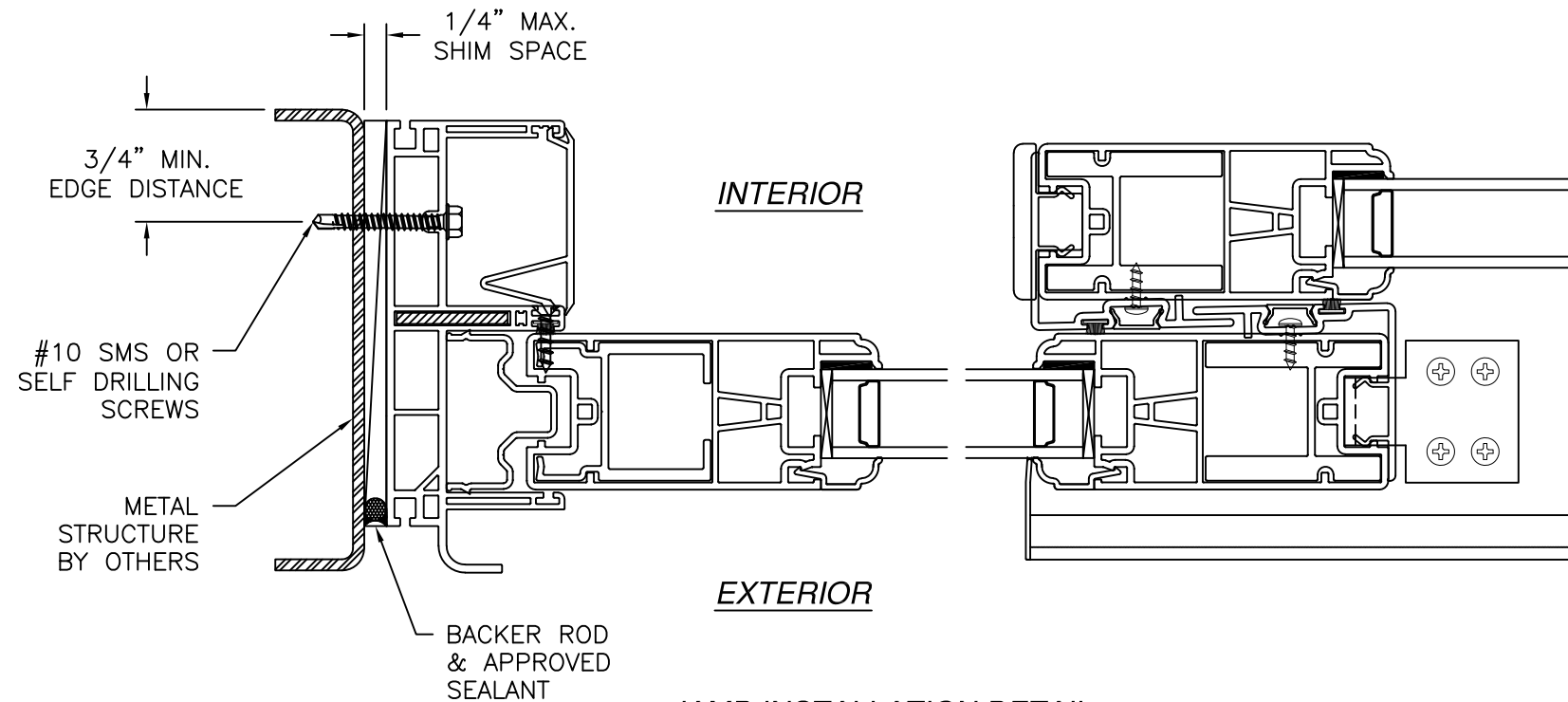
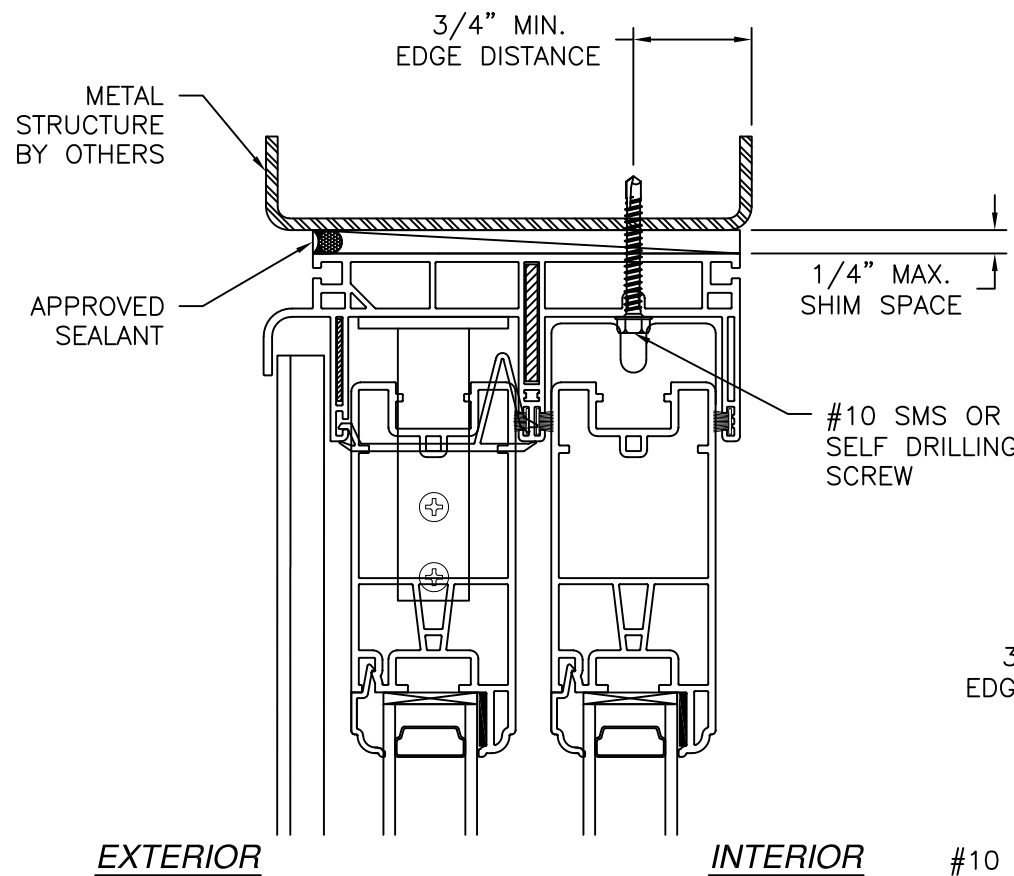
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FL No.: 62514



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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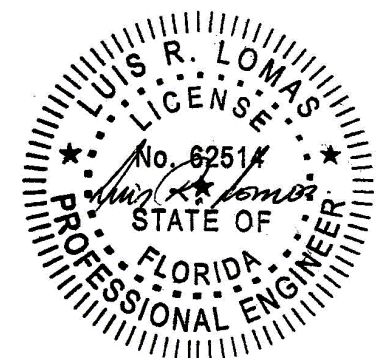
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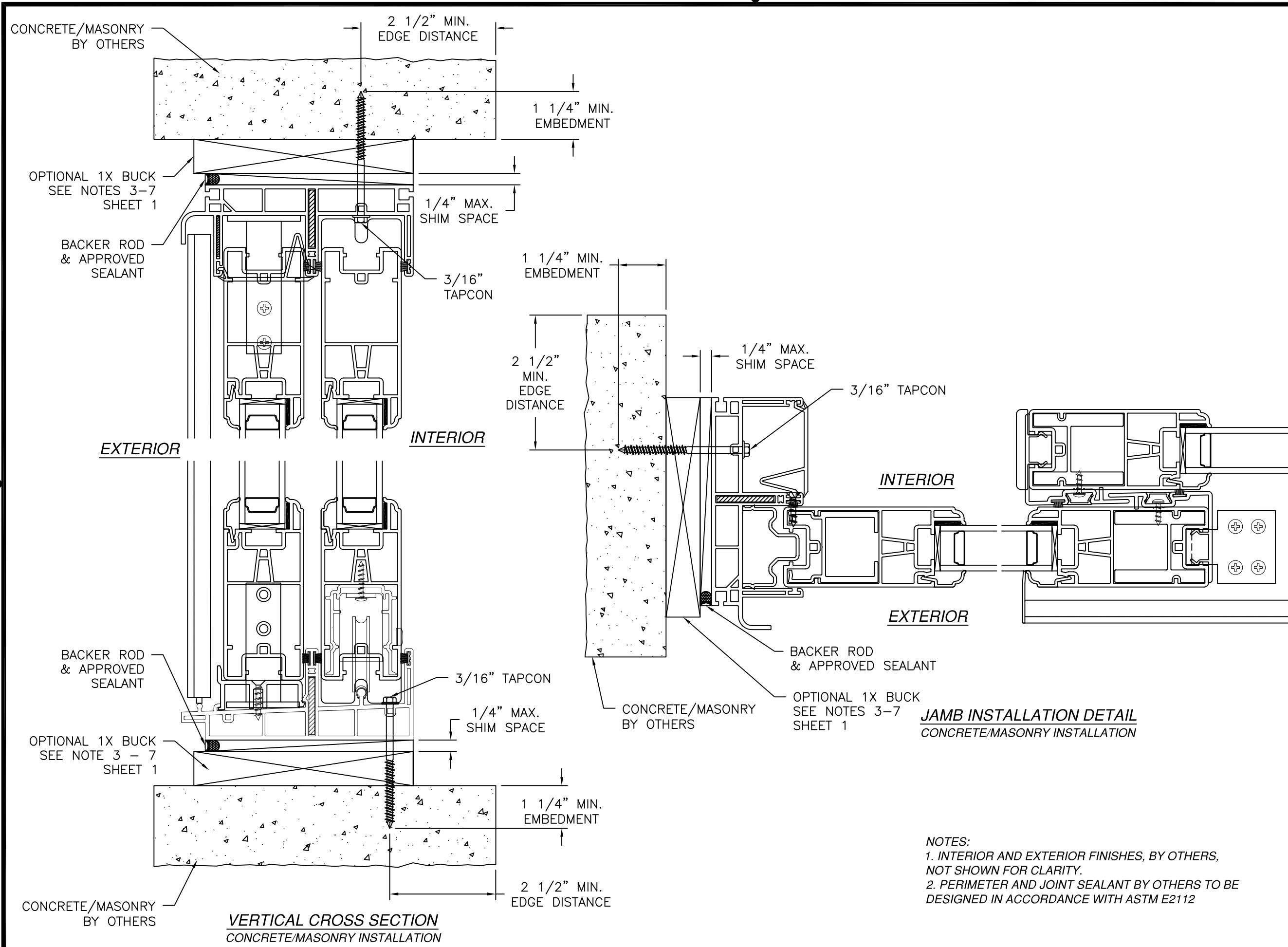
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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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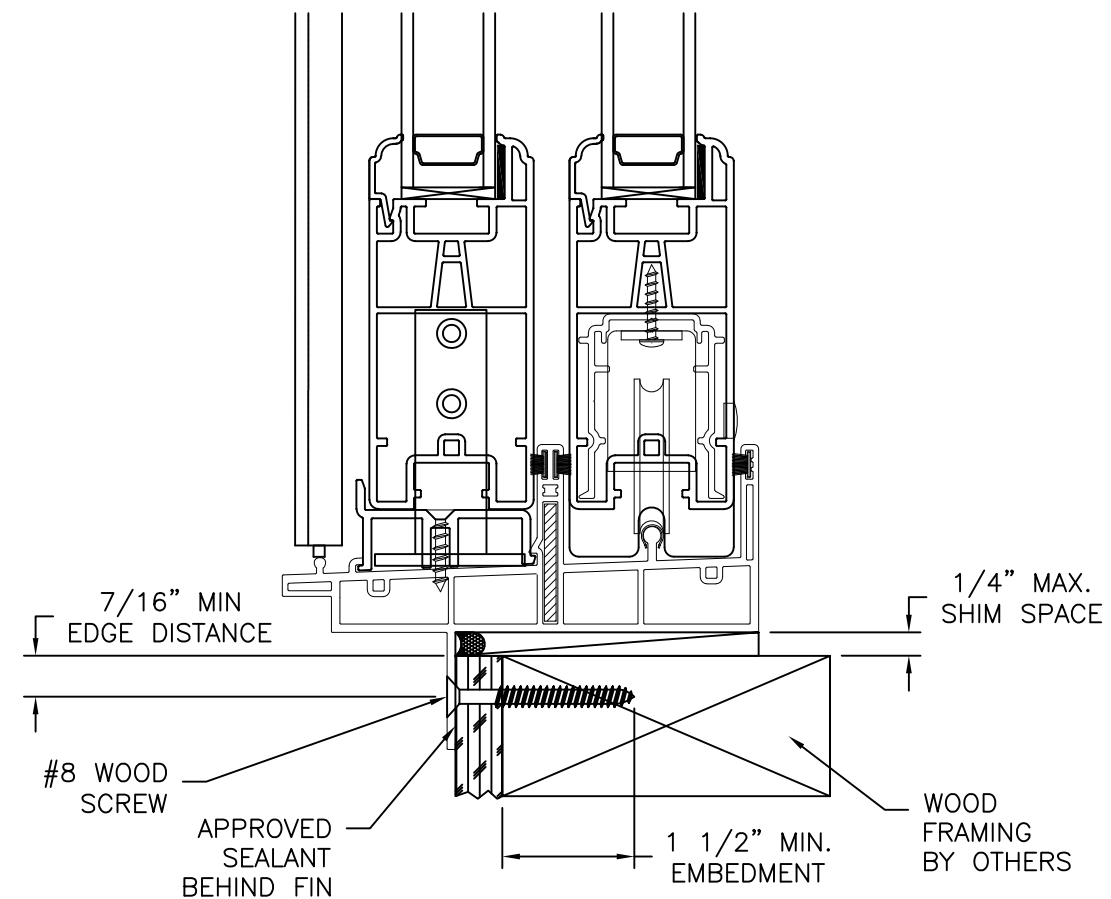
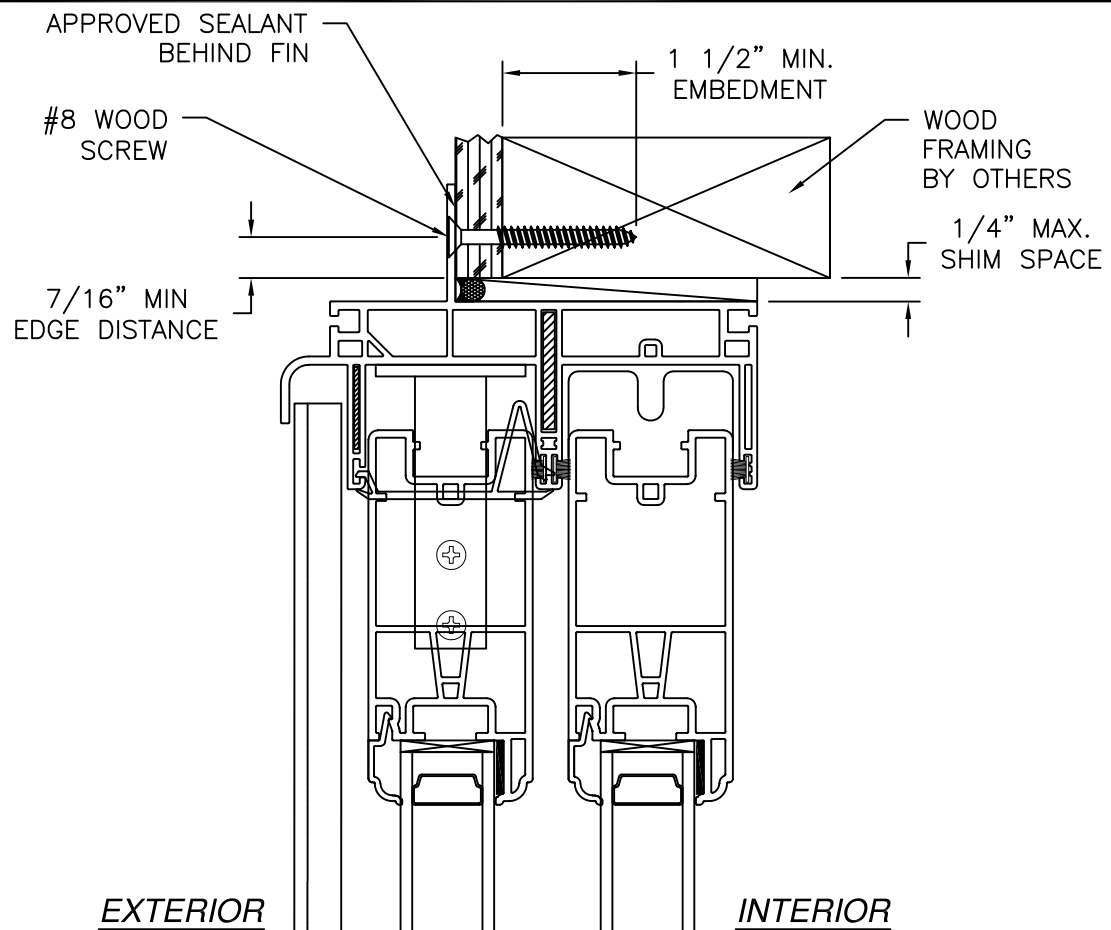
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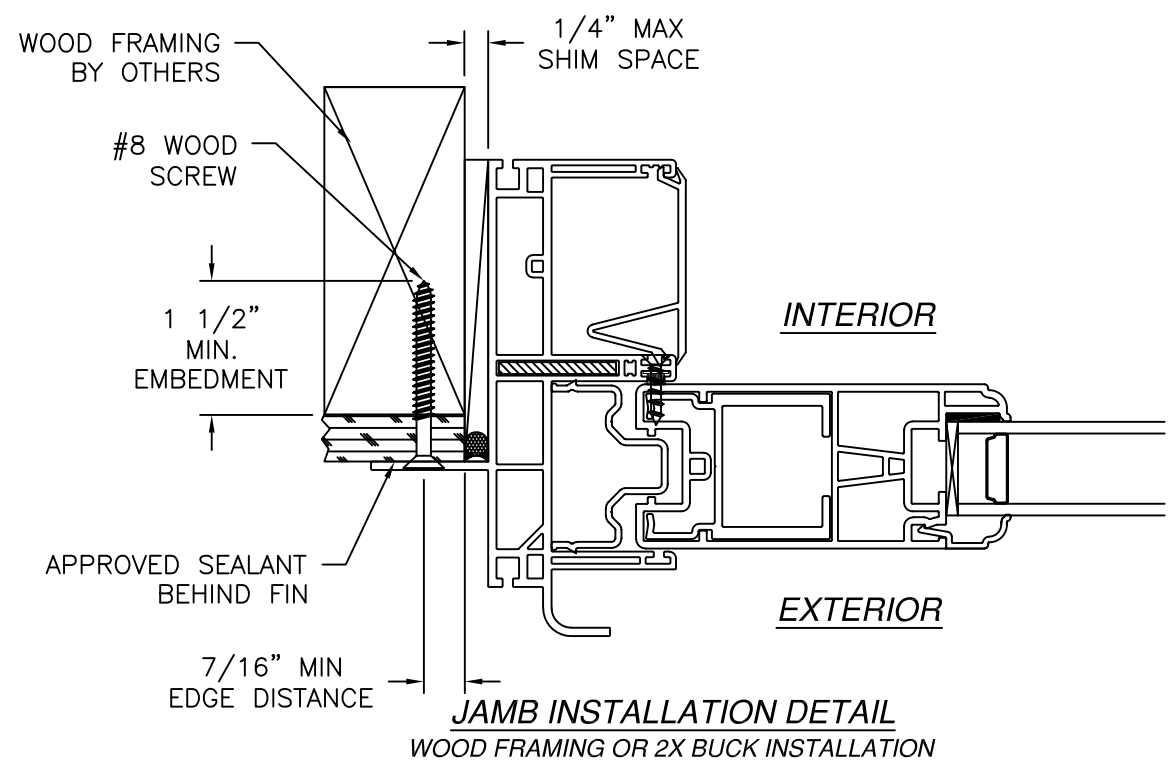
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No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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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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