

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	01/18/18	R.L.
B	EC25-069 & Ops-0061	10/09/25	LMH

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
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, SEE SHEET 2 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

14. FOR ANCHORING THROUGH FIN 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.
15. 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.
16. 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 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. 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.
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 2,000 PSI.
 - 19.C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH f'm=2,000PSI MINIMUM.
 - 19.D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM
20. APPROVED CONFIGURATIONS: OX AND XO.

FL 22034

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EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE
FORT MYERS, FLORIDA 33912
800-432-2204

623/620 SLIDING GLASS DOOR
96" X 96" IMPACT - HVHZ
NOTES

DRAWN:
G.R.

DWG NO.
08-03043B

REV
B

SCALE NTS

DATE 02/21/17

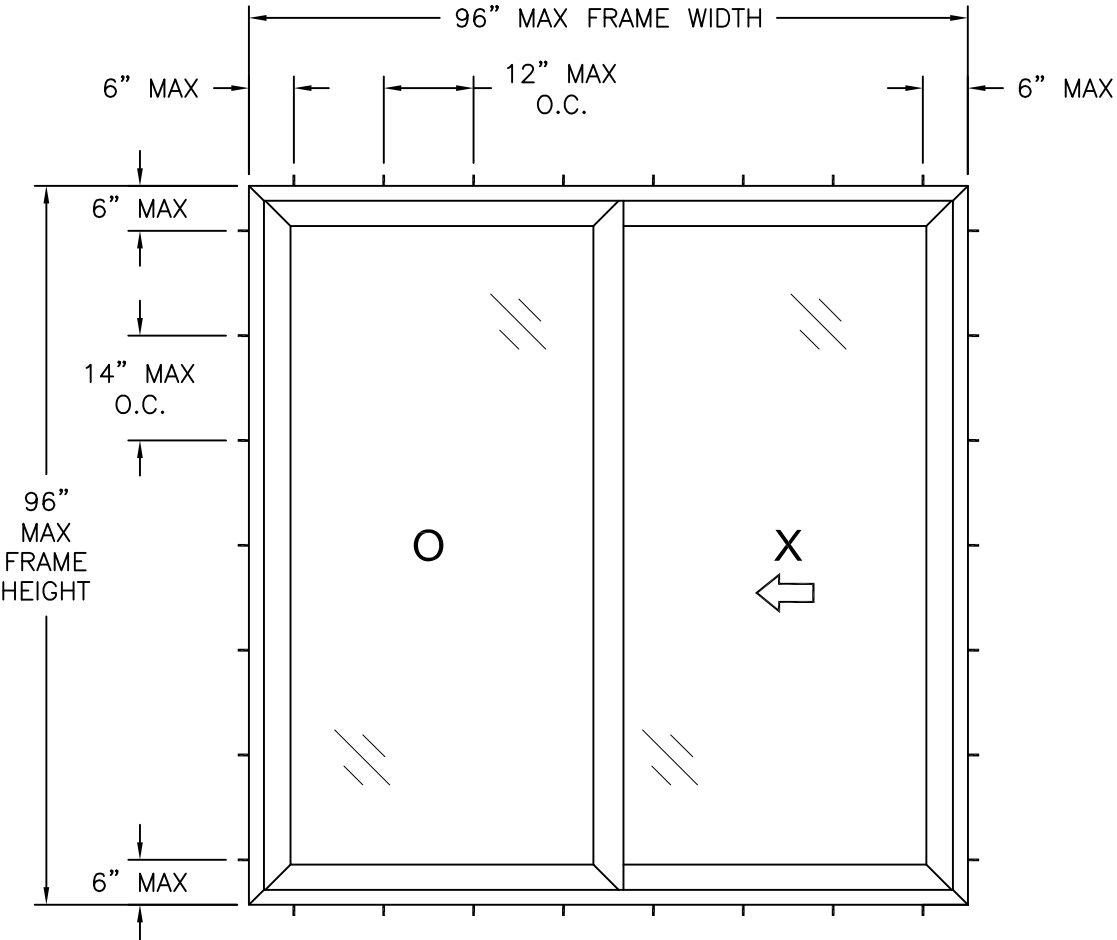
SHEET 1 OF 7

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SIGNED: 11/07/2025

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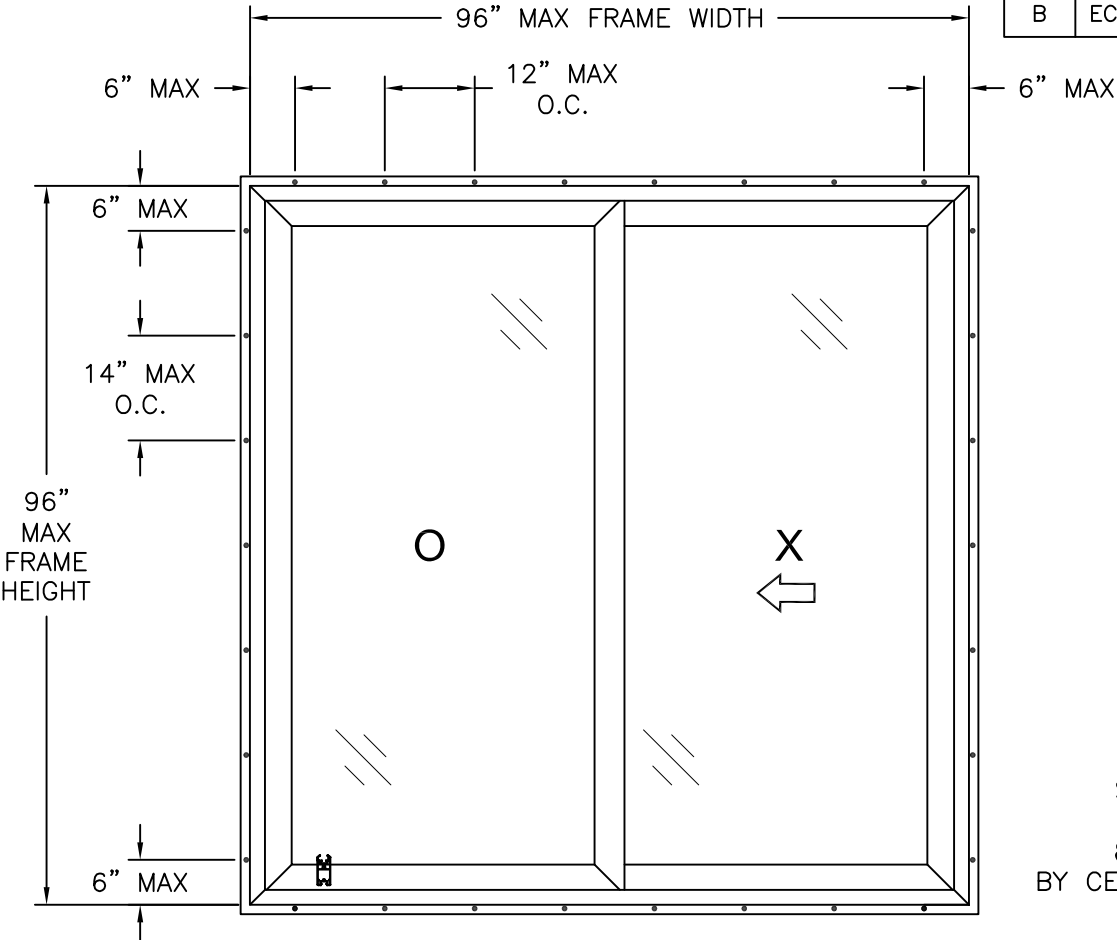
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623/620 IMPACT PATIO DOOR
EXTERIOR VIEW
FRAME INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
± 65.0 PSF	LARGE AND SMALL MISSILE IMPACT

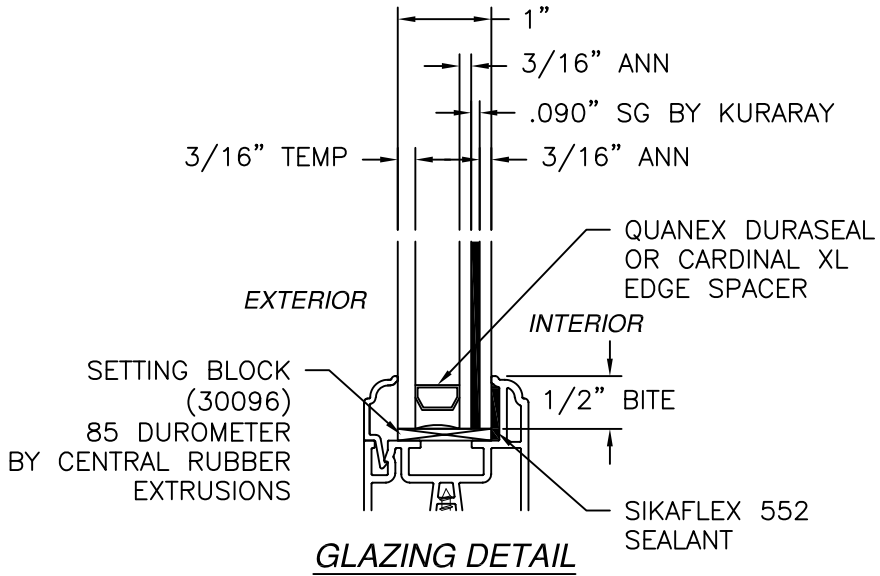
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
WITH SILL EXTENDER



623/620 IMPACT PATIO DOOR
EXTERIOR VIEW
FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
$+60.0/-65.0$ PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
WITH STANDARD SILL



GLAZING DETAIL

- NOTES
1. MAXIMUM PANEL SIZE: 48-1/2" X 93-1/2"
 2. MAXIMUM D.L.O.: 40-3/4" X 85"

HARDWARE SCHEDULE	
A.	GEMINI II LOCK W/2450 TRIMPLATE AT ACTIVE PANEL LOCK RAIL
B.	GEMINI 1" TALL KEEPER AT MAIN FRAME INTERIOR JAMB TRACK
C.	ADJUSTABLE ROLLER AT EACH END OF ACTIVE PANEL
D.	ALUMINIUM REINFORCEMENT (10300151) AT PANEL INTERLOCK STILES AND RAILS
E.	ALUMINIUM REINFORCEMENT (10300150) AT PANEL STILES
F.	ALUMINIUM TUBE REINFORCEMENT AT INTERLOCK STILES



EASTERN ARCHITECTURAL SYSTEMS
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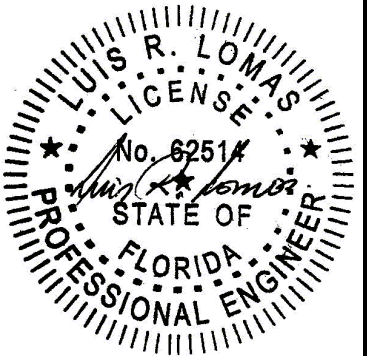
16341 DOMESTIC AVE
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623/620 SLIDING GLASS DOOR
96" X 96" IMPACT - HVHZ
ELEVATIONS

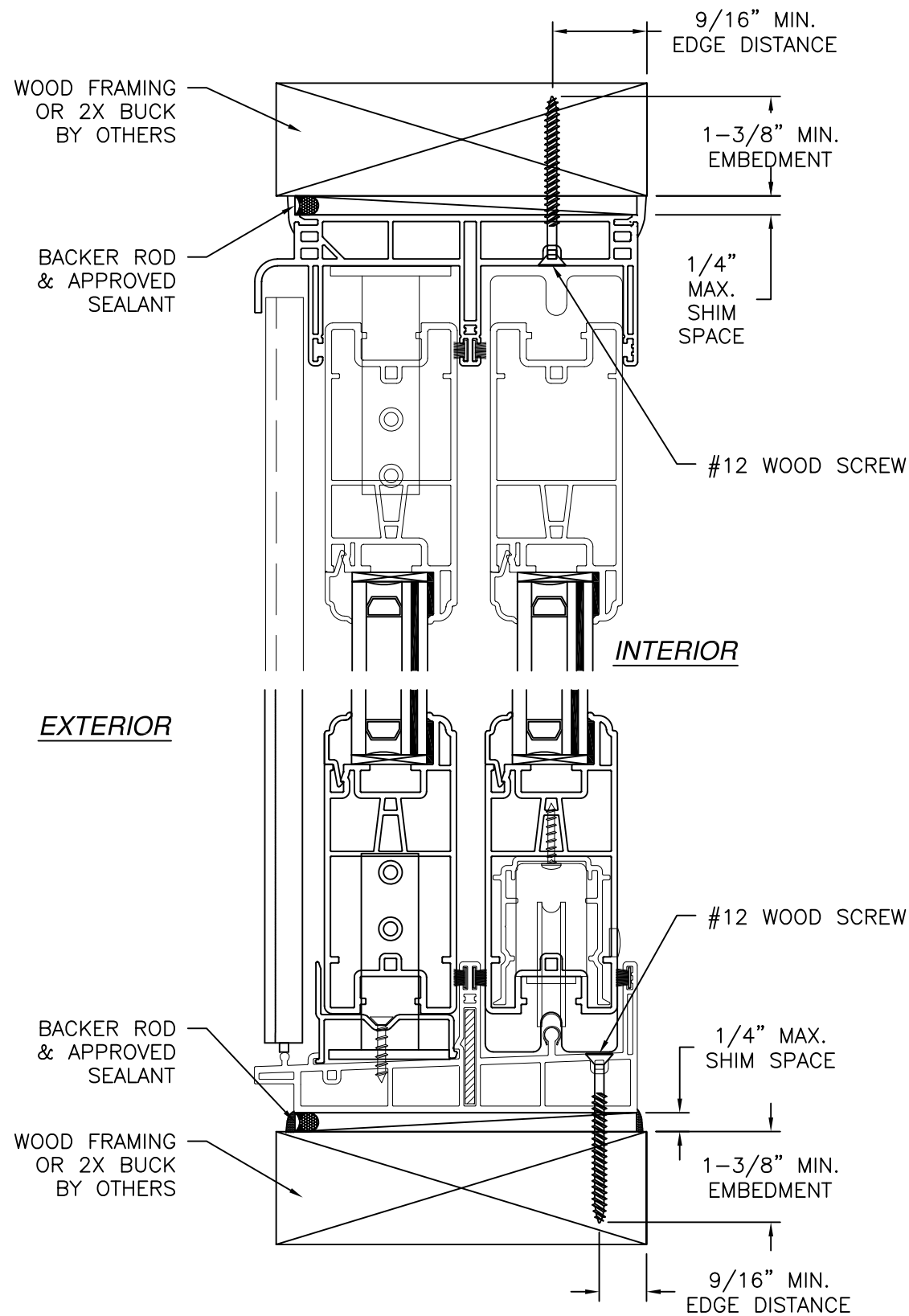
DRAWN: G.R.	DWG NO. 08-03043B	REV B
SCALE NTS	DATE 02/21/17	SHEET 2 OF 7

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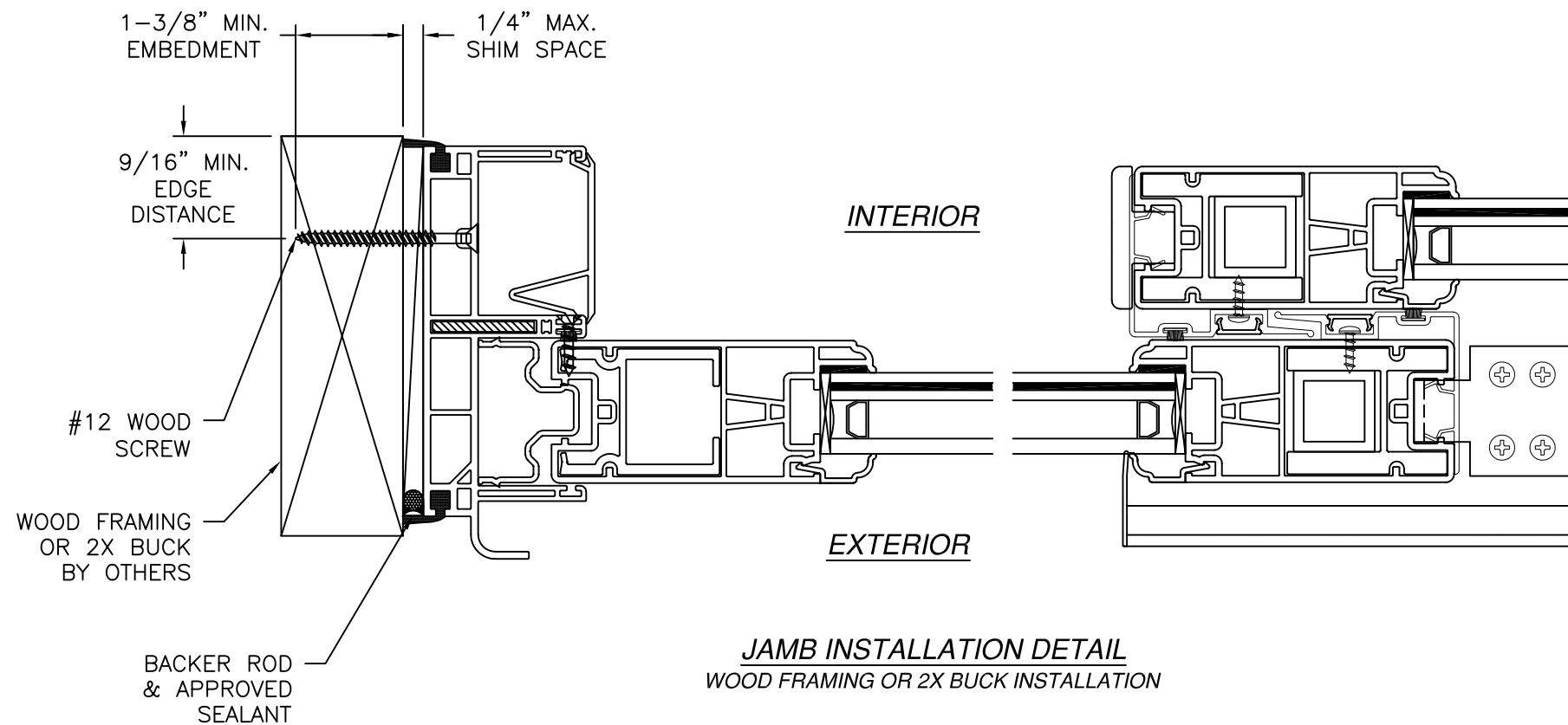
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

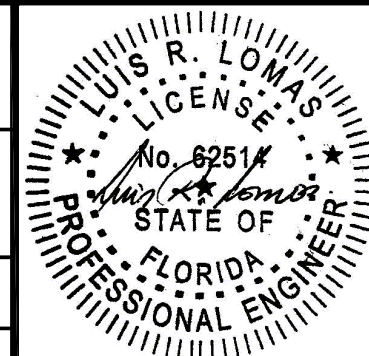
NOTES:

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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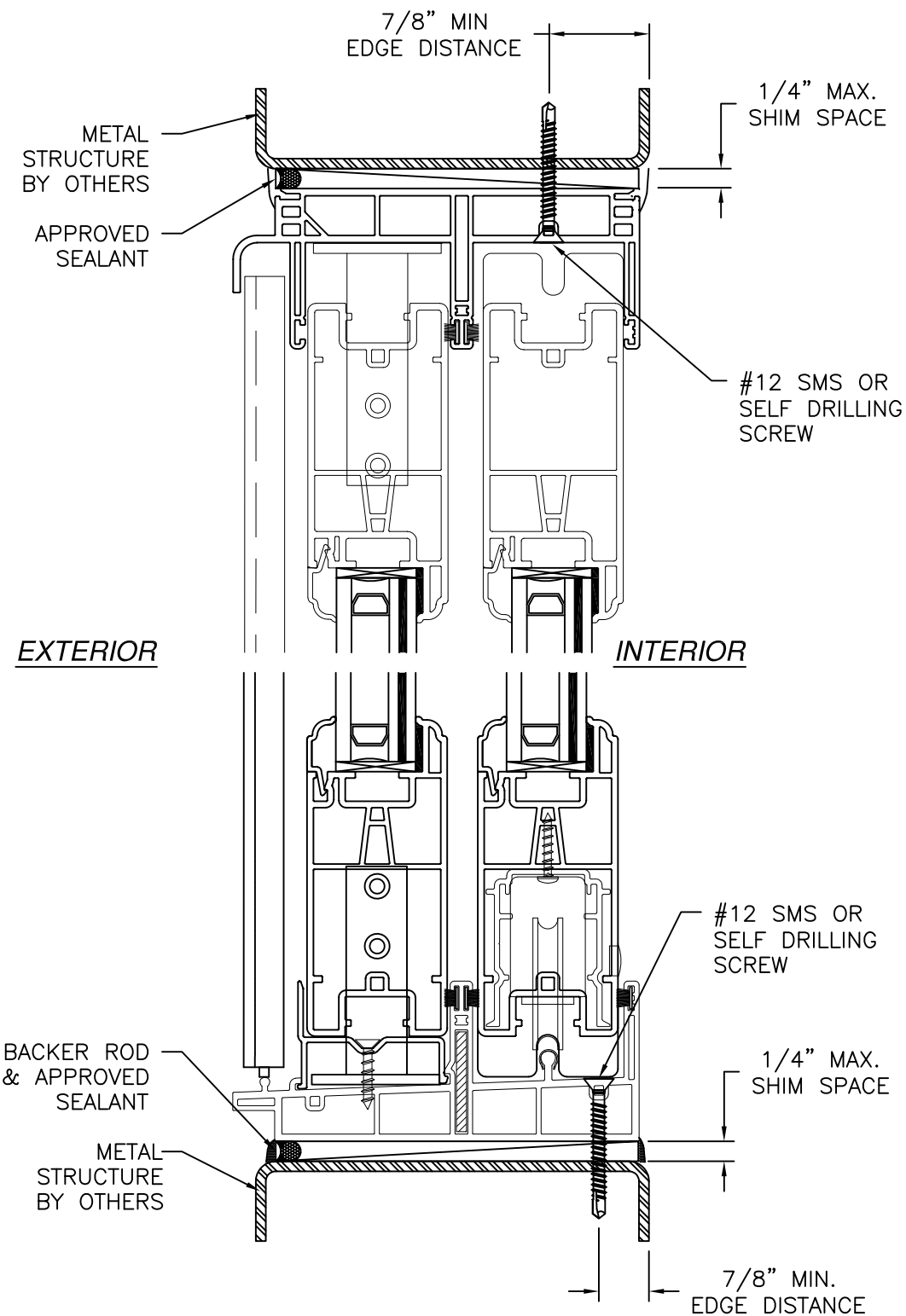
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623/620 SLIDING GLASS DOOR 96" X 96" IMPACT - HVHZ INSTALLATION DETAILS		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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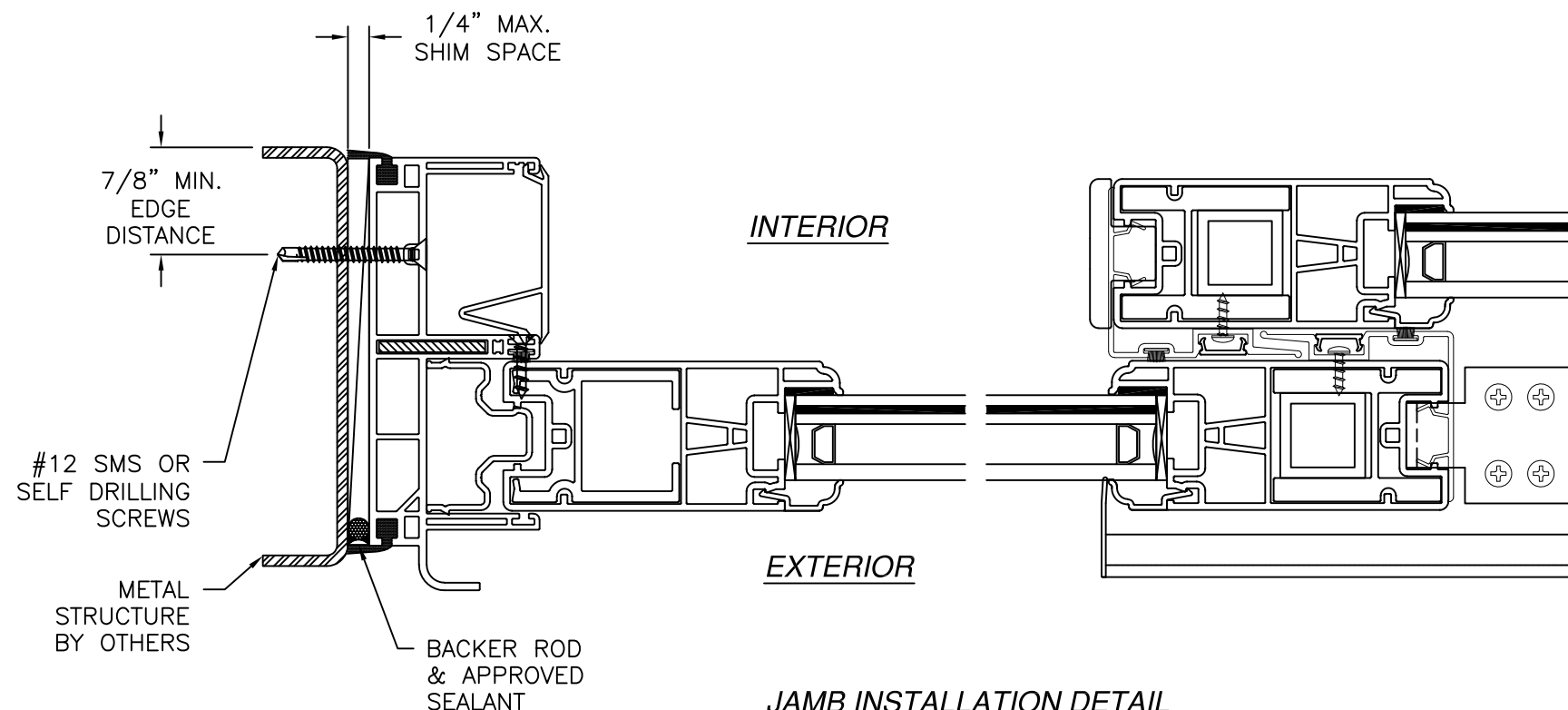


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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EASTERN ARCHITECTURAL SYSTEMS

A DIVISION OF CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE
FORT MYERS, FLORIDA 33912
800-432-2204

623/620 SLIDING GLASS DOOR

96" X 96" IMPACT – HVHZ

INSTALLATION DETAILS

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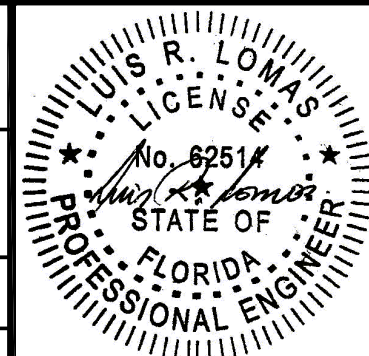
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SHEET 4 OF 7

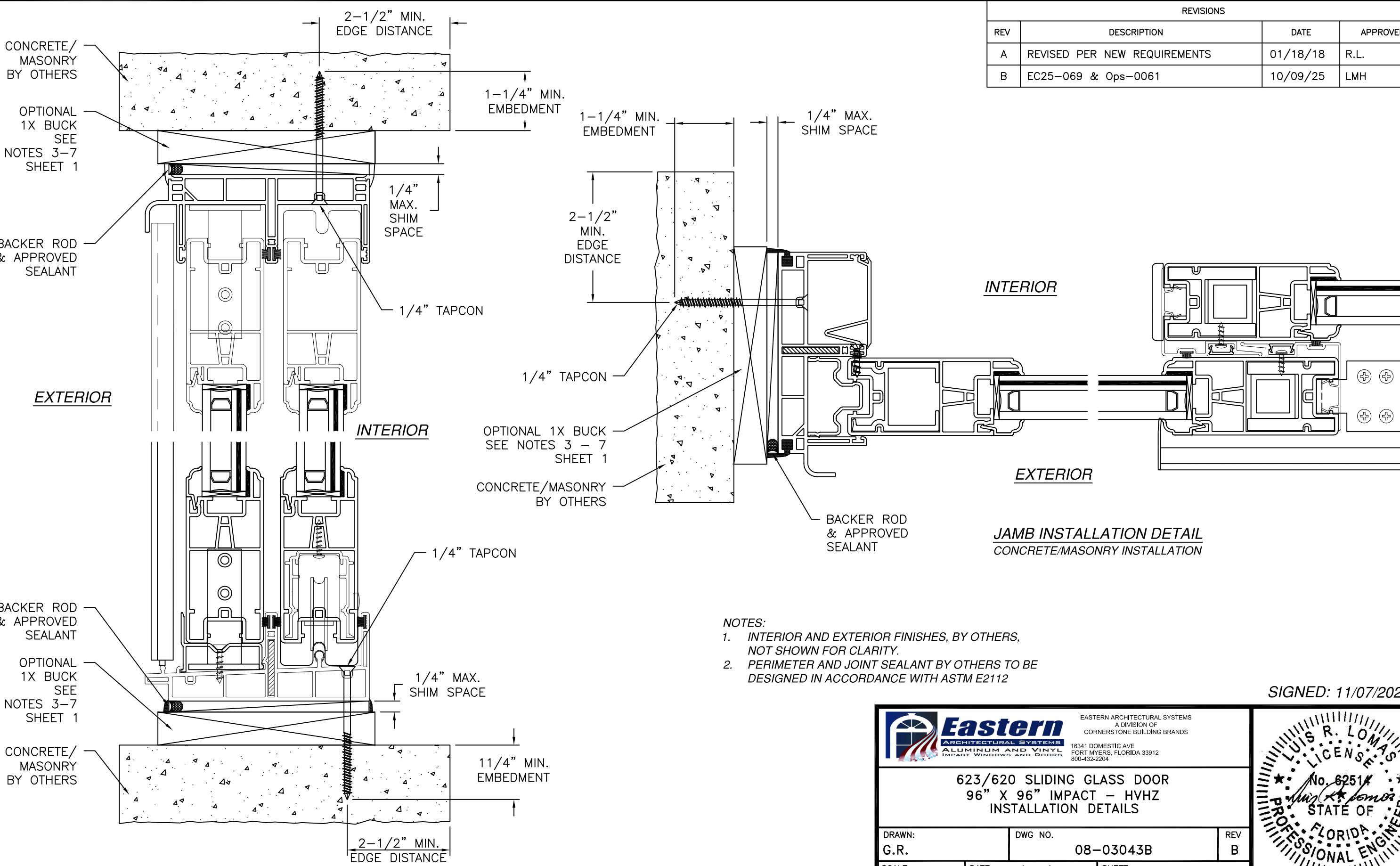
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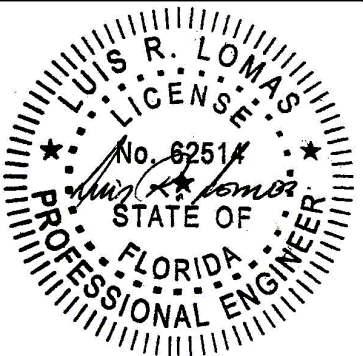
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APPROVED SEALANT BEHIND FIN

#10 WOOD SCREW

7/16" MIN EDGE DISTANCE

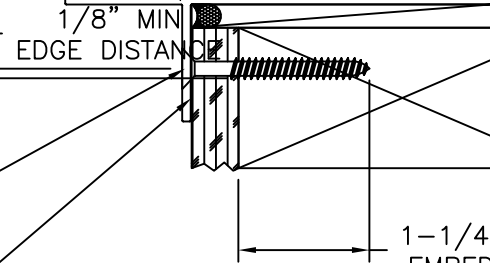
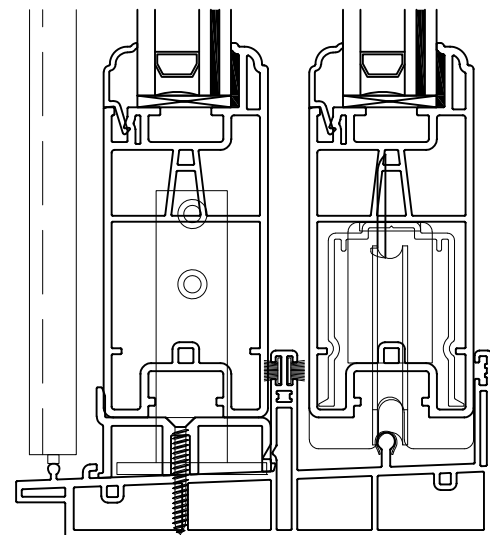
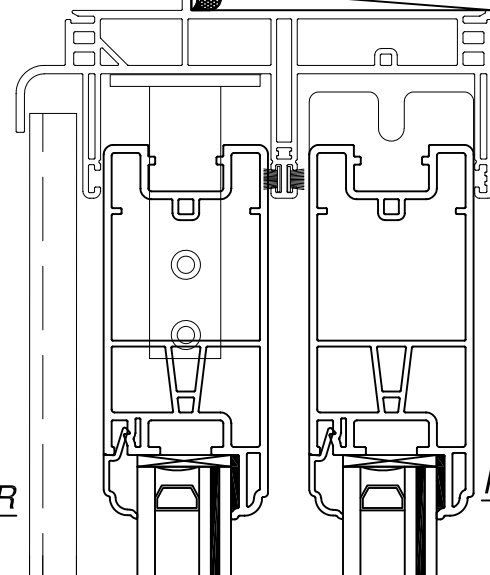
1-1/4" MIN. EMBEDMENT

WOOD FRAMING BY OTHERS

1/4" MAX. SHIM SPACE

EXTERIOR

INTERIOR



#10 WOOD SCREW

APPROVED SEALANT BEHIND FIN

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

WOOD FRAMING BY OTHERS

#10 WOOD SCREW

1-1/4" MIN. EMBEDMENT

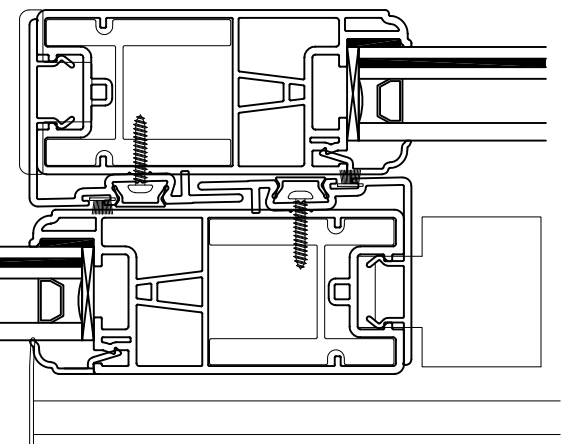
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1/4" MAX SHIM SPACE

1/8" MIN EDGE DISTANCE

INTERIOR

EXTERIOR



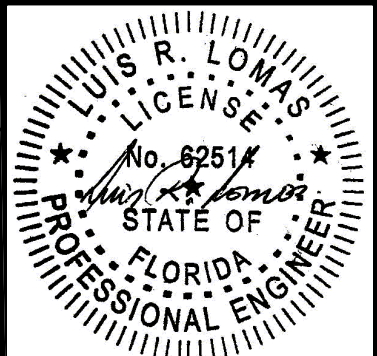
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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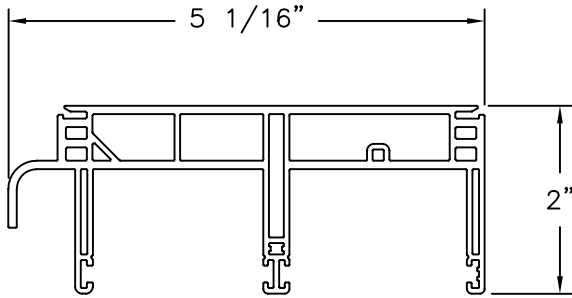
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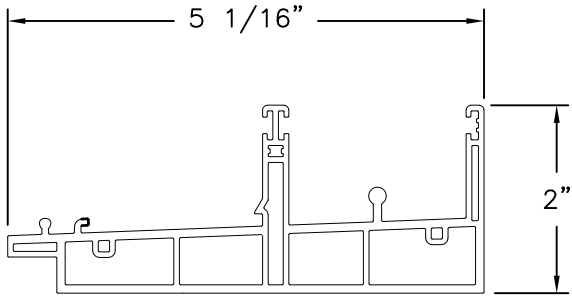


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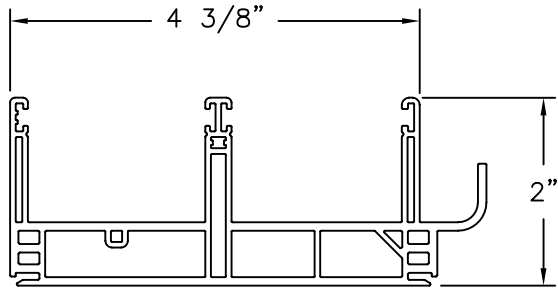
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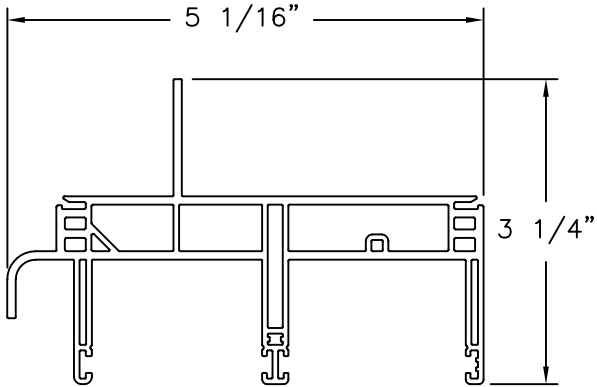
Frame Head
PVC .090" Thick



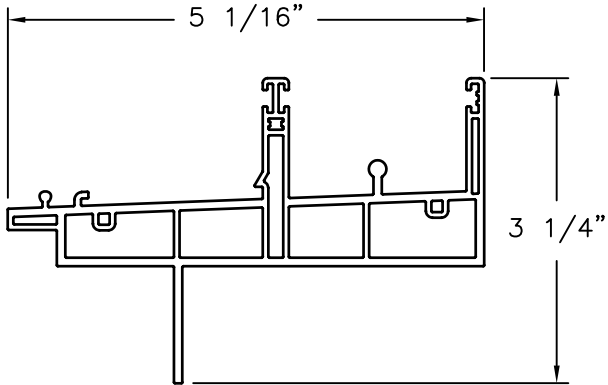
Frame Sill
PVC .090" Thick



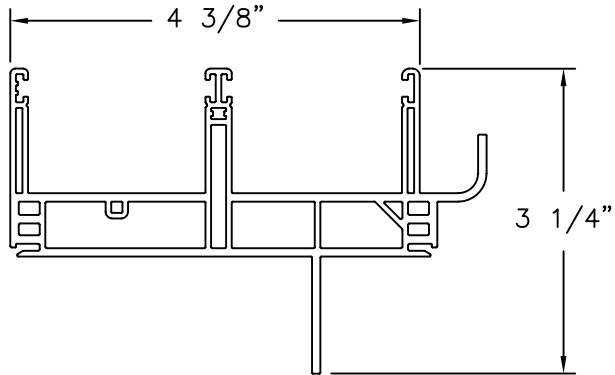
Frame Jambs
PVC .090" Thick



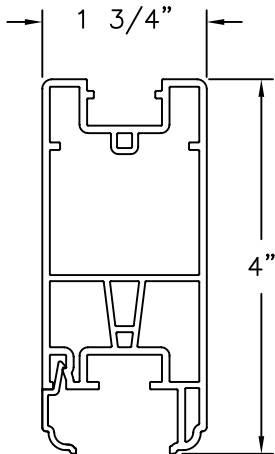
Frame Head (Fin)
PVC .090" Thick



Frame Sill (Fin)
PVC .090" Thick



Frame Jambs (Fin)
PVC .090" Thick



Sash Frame
PVC .085" Thick



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96" X 96" IMPACT – HVHZ

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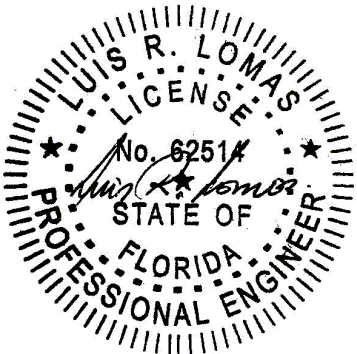
SHEET 7 OF 7

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