

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

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 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 INTO WOOD FRAMING OR 2X BUCK USE #12 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 INTO MASONRY/CONCRETE USE 1/4” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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 3,192 PSI.

C. MASONRY – STRENGTH CONFORMANCE TO ASTM C–90, GRADE N, TYPE 1 (OR GREATER).

D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063–T5 .125” THICK MINIMUM

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EASTERN ARCHITECTURAL SYSTEMS

16341 DOMESTIC AVE.
FT. MYERS, FL 33912

SERIES 4500 OUTSWING FRENCH DOOR

IMPACT – HVHZ

NOTES

DRAWN:
A.R.

DWG NO.
08–03696

REV
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SCALE NTS

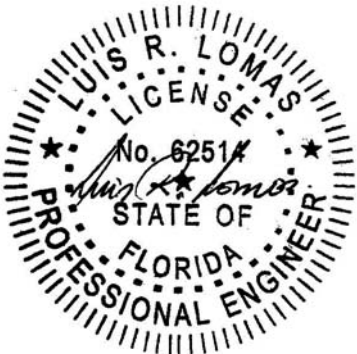
DATE 03/16/2021

SHEET 1 OF 7

L. ROBERTO LOMAS P.E.

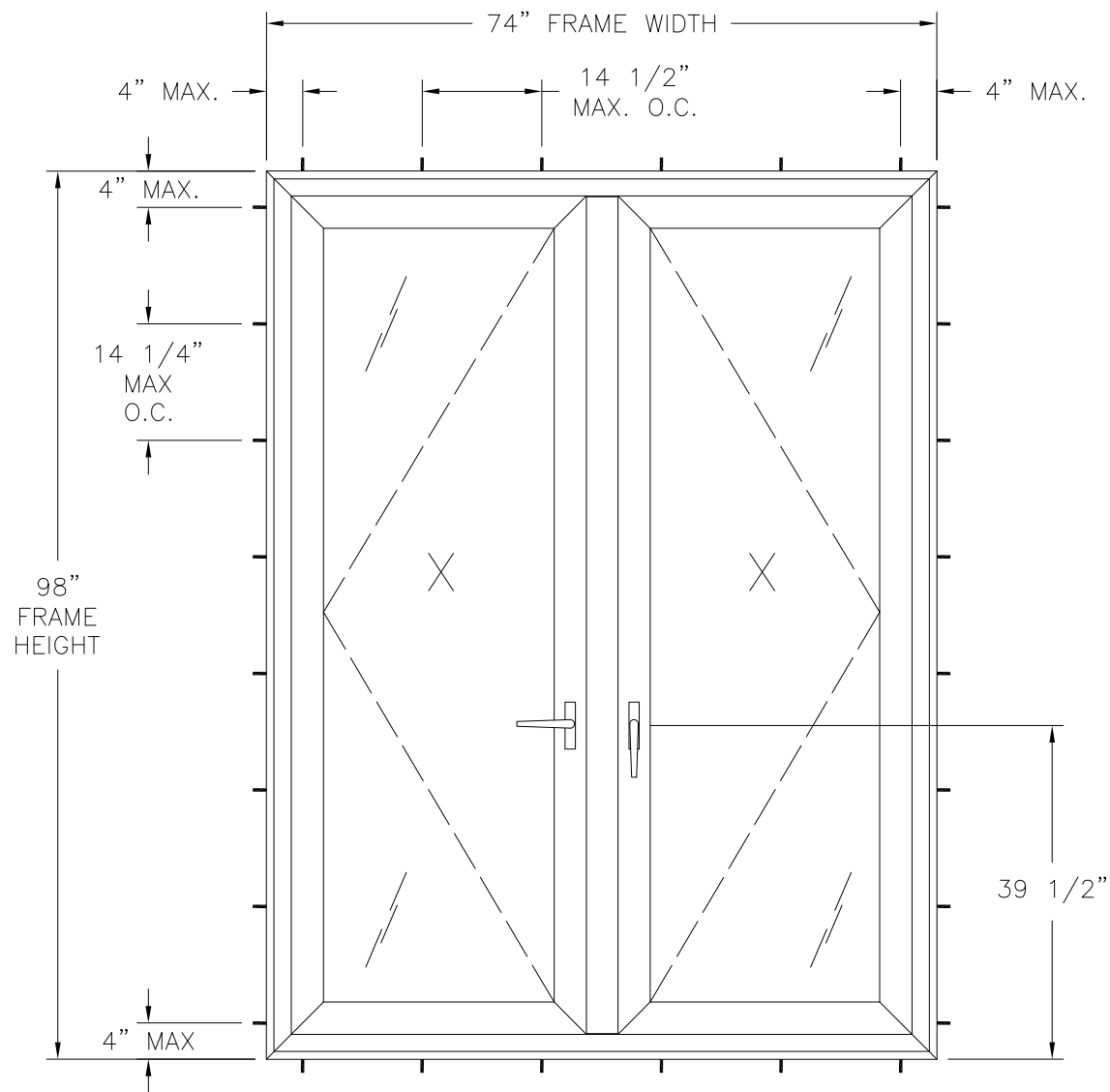
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434-688-0609 rllomas@lrlomaspe.com

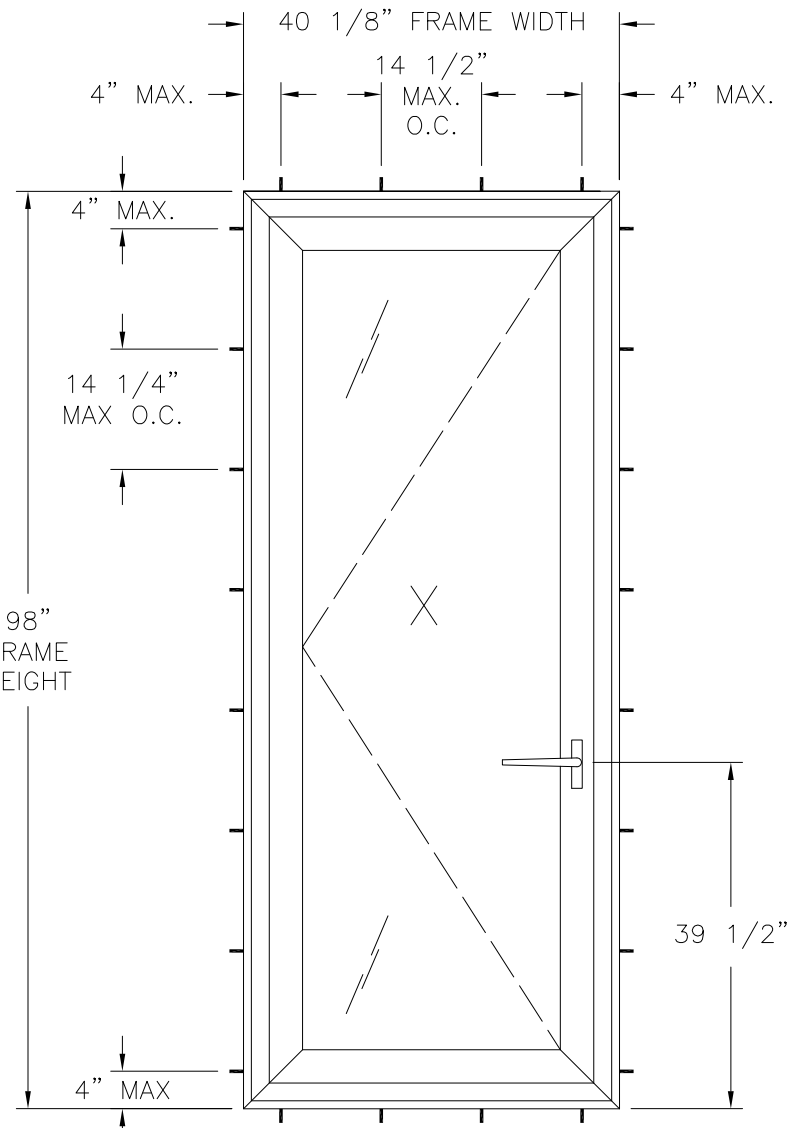


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FL No.: 62514

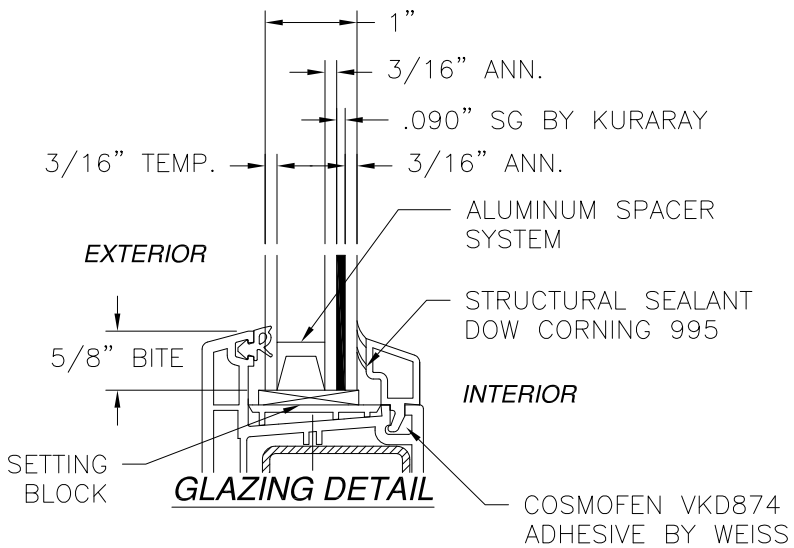
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SERIES 4500 OS DOUBLE DOOR IMPACT - HVHZ
EXTERIOR VIEW



SERIES 4500 OS SINGLE DOOR IMPACT - HVHZ
EXTERIOR VIEW



- NOTES:
- PANEL SIZE: 37" X 95"
 - D.L.O. SIZE: 25 1/2" X 85 1/2"

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

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ

HARDWARE SCHEDULE	
A.	(4) HINGES ON EACH PANEL, 7 1/8" FROM HEAD AND 19" ON CENTER THEREAFTER
B.	(1) MULTI POINT LOCKING SYSTEM WITH KEEPERS
C.	(2) DOOR LOCK HANDLE AT 58 1/2" FROM HEAD
D.	STEEL REINFORCEMENT (244536) AT T-MULLION FRAME, HEAD, SILL AND JAMBS
E.	STEEL REINFORCEMENT (251886) AT PANEL TOP, BOTTOM RAILS AND DOOR STILES

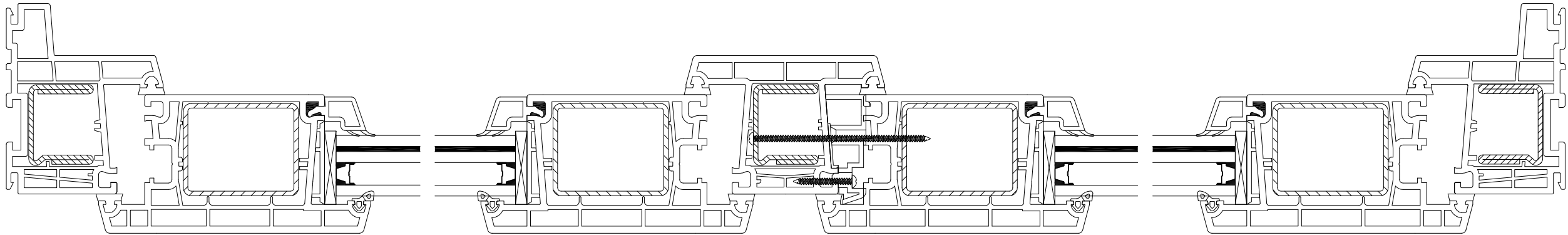
EASTERN ARCHITECTURAL SYSTEMS 16341 DOMESTIC AVE. FT. MYERS, FL 33912		
SERIES 4500 OUTSWING FRENCH DOOR IMPACT – HVHZ ELEVATION		
DRAWN: A.R.	DWG NO. 08-03696	REV —
SCALE NTS	DATE 03/16/2021	SHEET 2 OF 7
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

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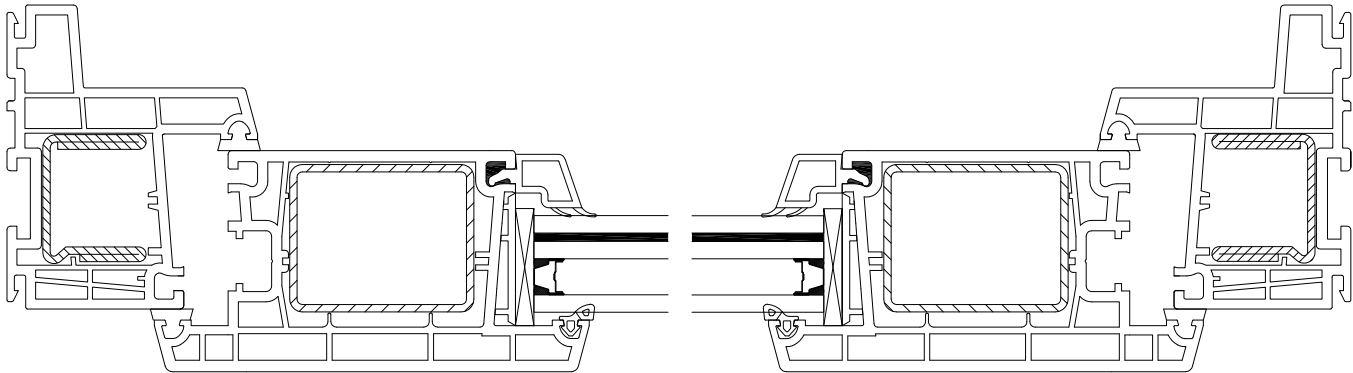


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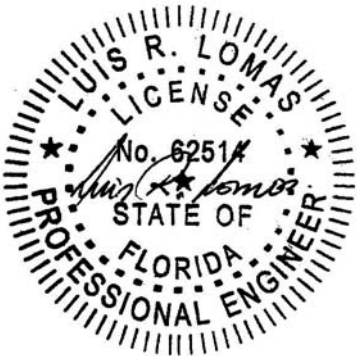
DOUBLE DOOR HORIZONTAL CROSS SECTION



SINGLE DOOR HORIZONTAL CROSS SECTION

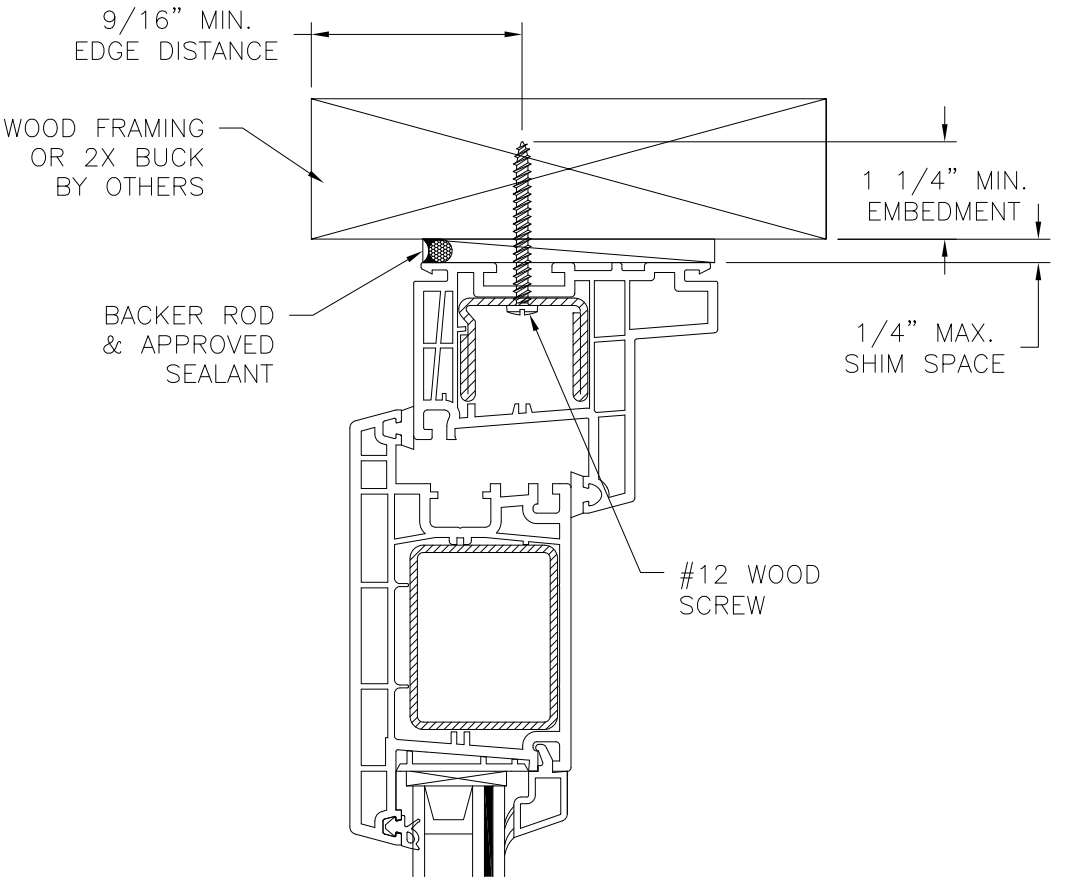
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EASTERN ARCHITECTURAL SYSTEMS 16341 DOMESTIC AVE. FT. MYERS, FL 33912		
SERIES 4500 OUTSWING FRENCH DOOR IMPACT – HVHZ HORIZONTAL CROSS SECTIONS		
DRAWN: A.R.	DWG NO. 08-03696	REV -
SCALE NTS	DATE 03/16/2021	SHEET 3 OF 7
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

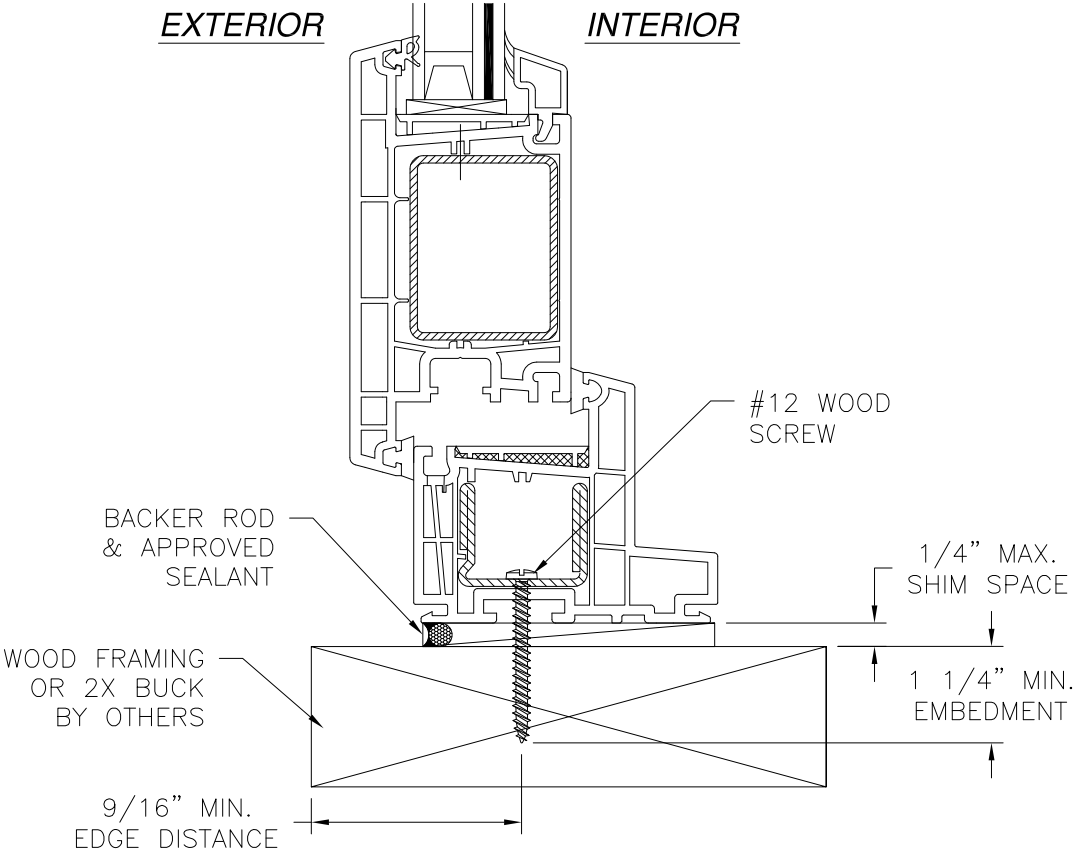


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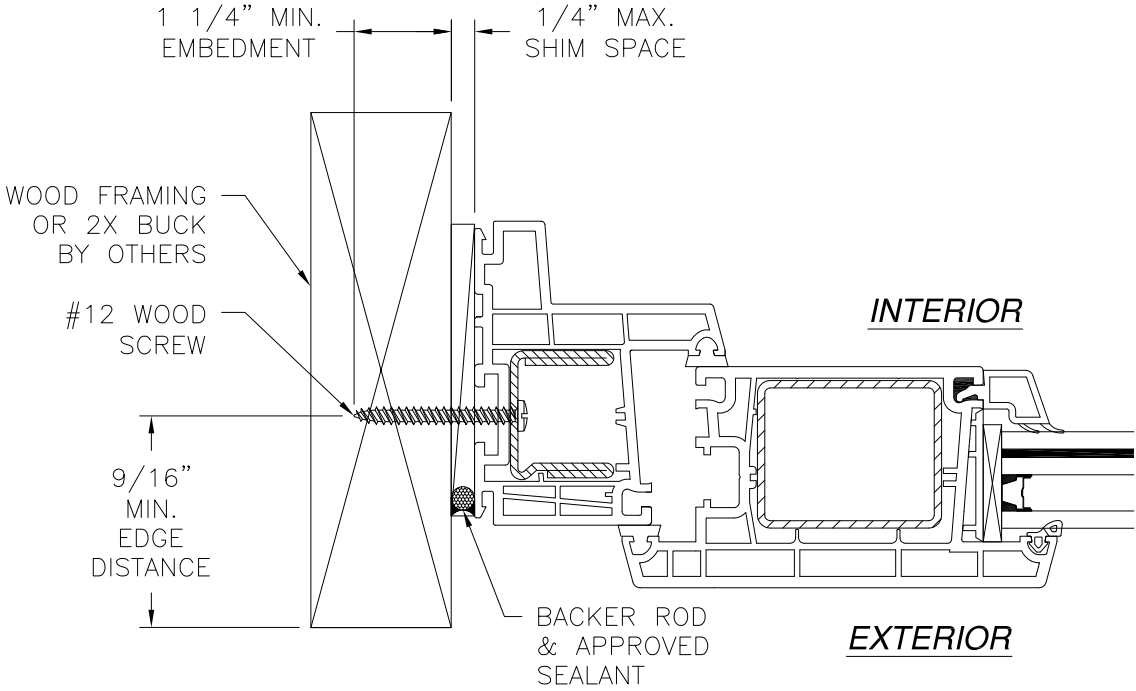
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EXTERIOR INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

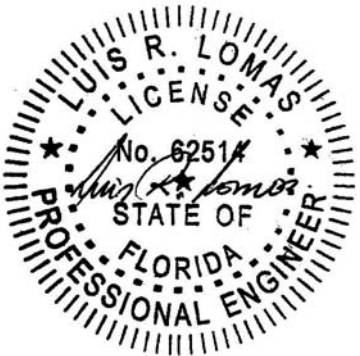


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

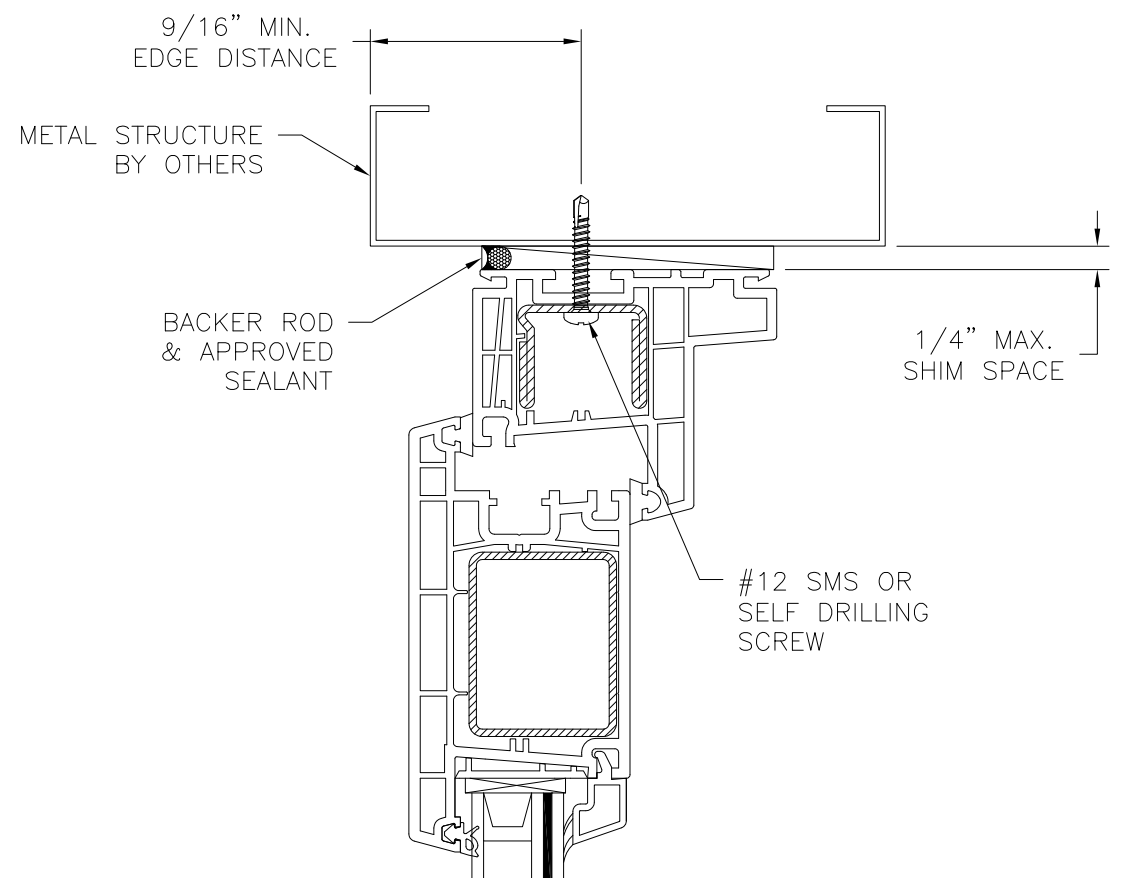
- NOTES:**
 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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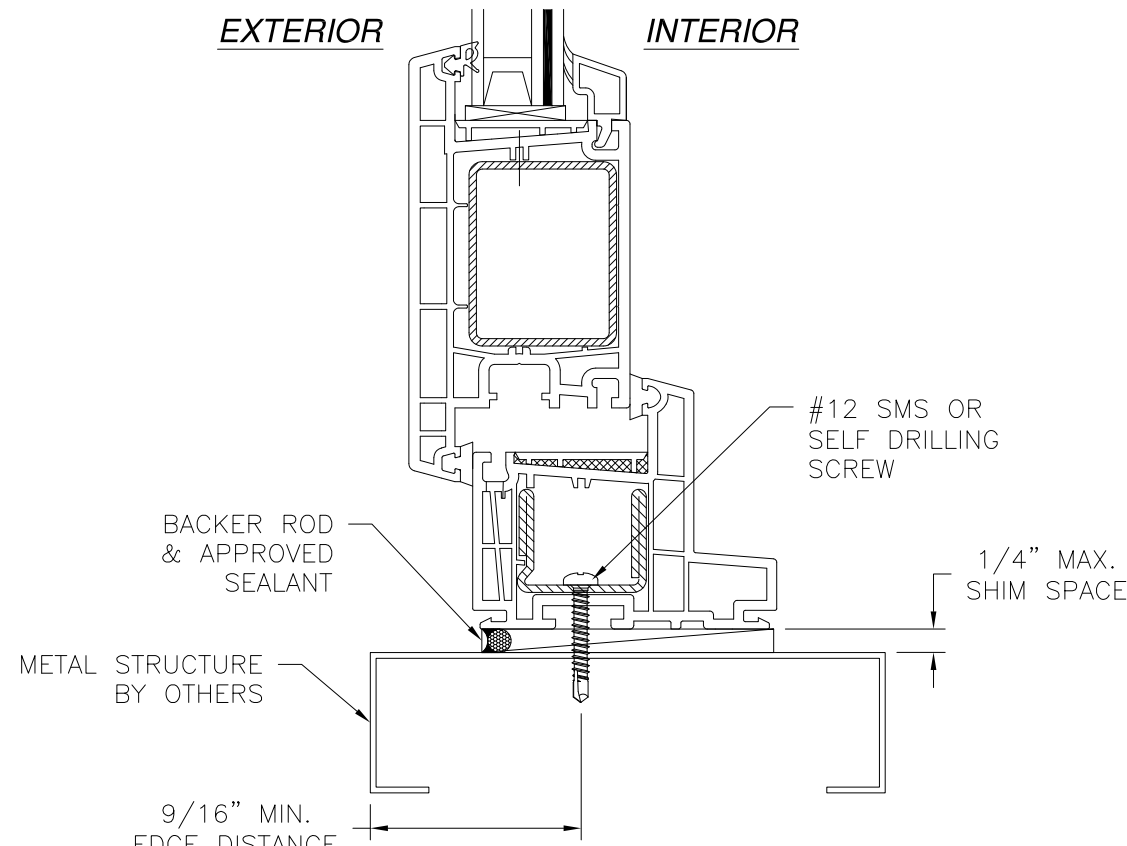
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SERIES 4500 OUTSWING FRENCH DOOR IMPACT – HVHZ INSTALLATION DETAILS		
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SCALE NTS	DATE 03/16/2021	SHEET 4 OF 7
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Luis R. Lomas P.E.
 FL No.: 62514

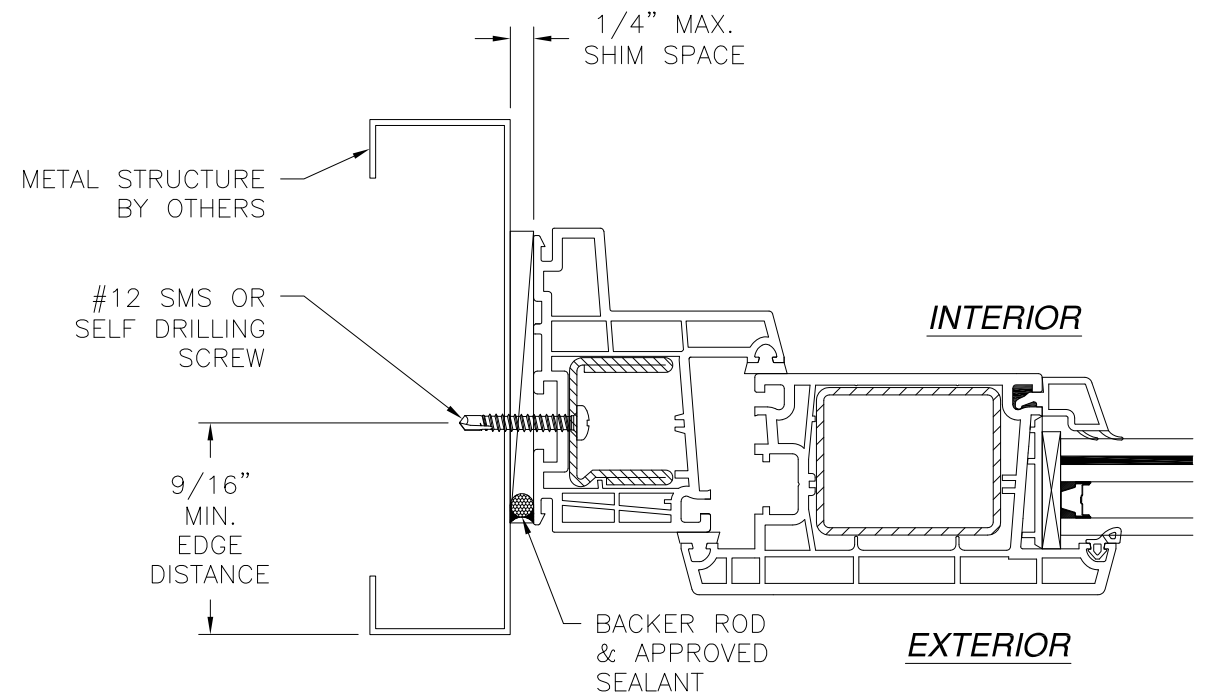


EXTERIOR INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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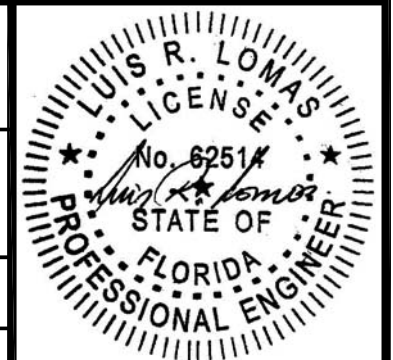


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METAL STRUCTURE INSTALLATION

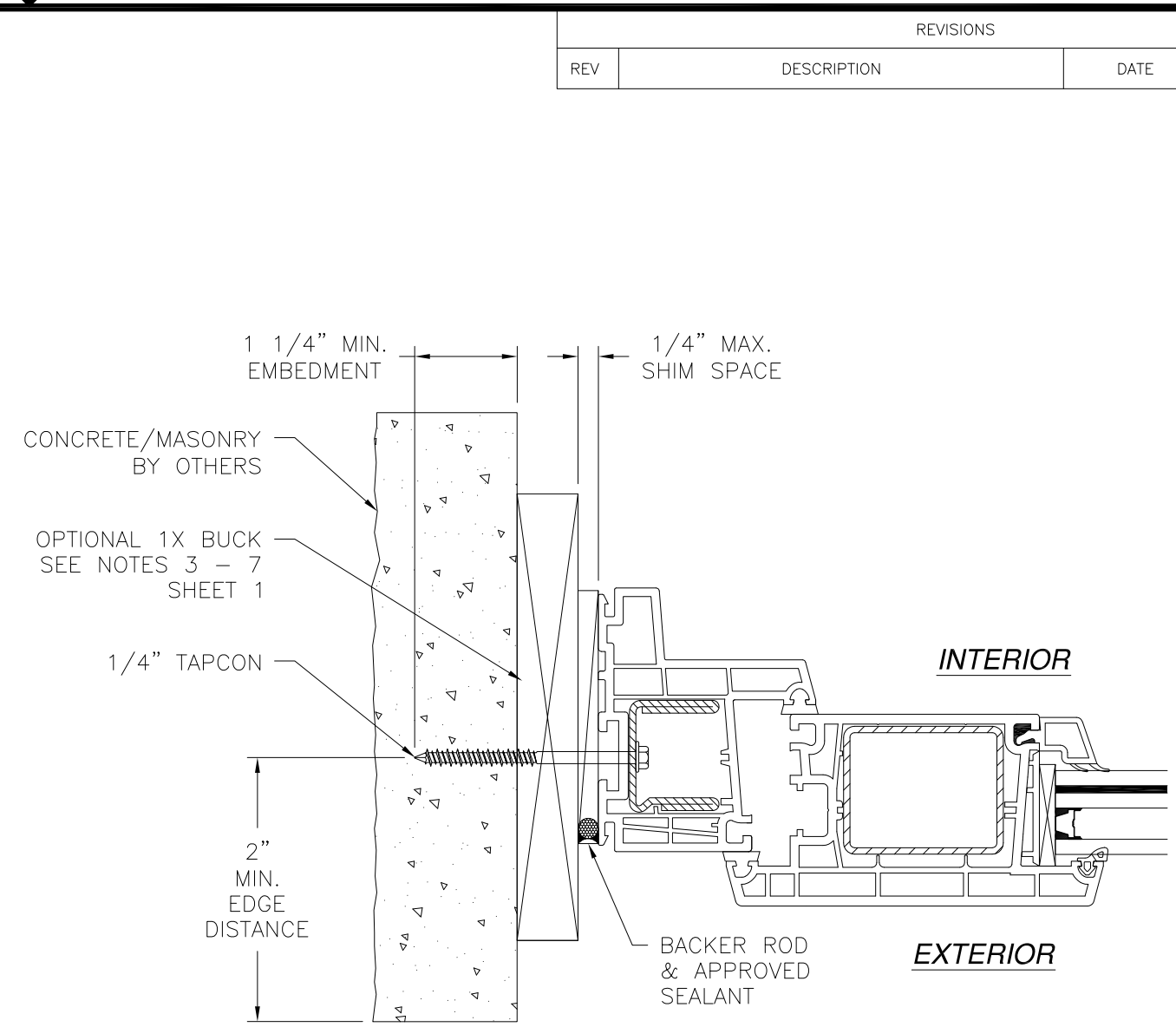
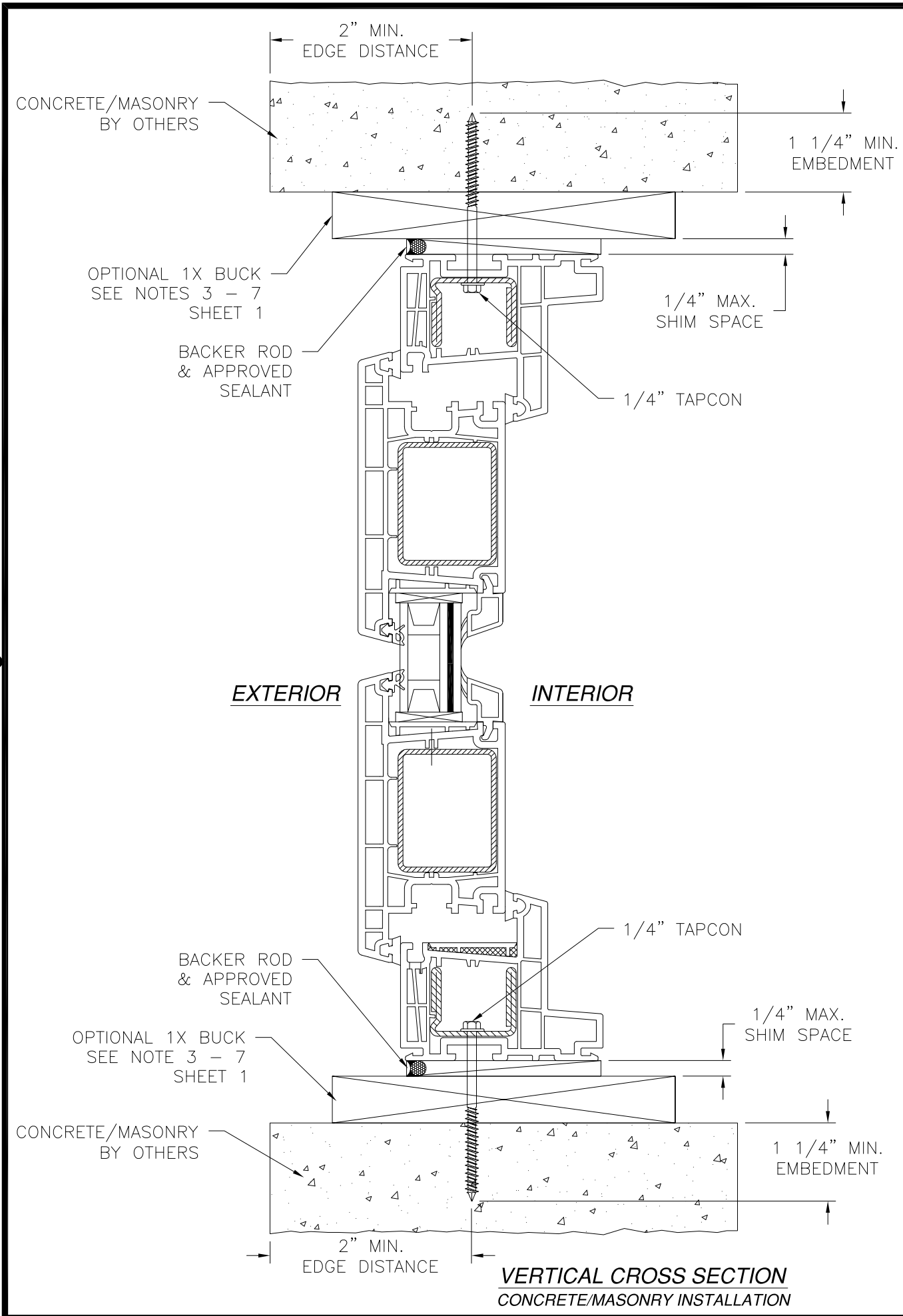
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L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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



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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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

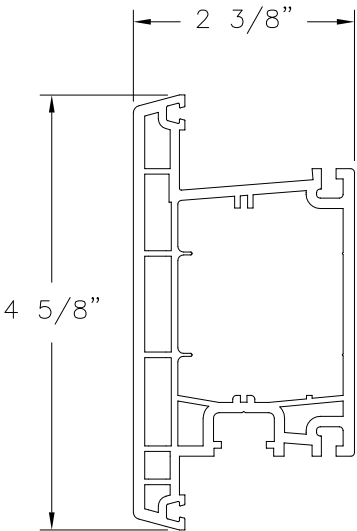
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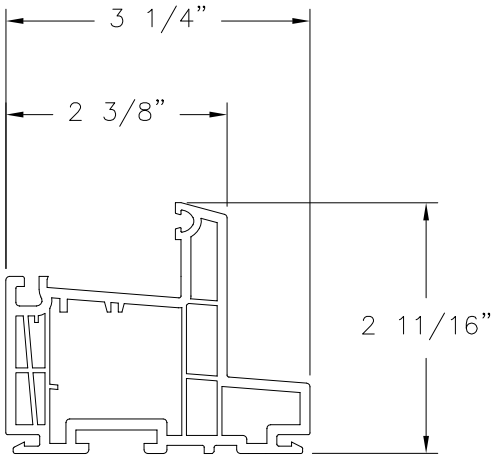
LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

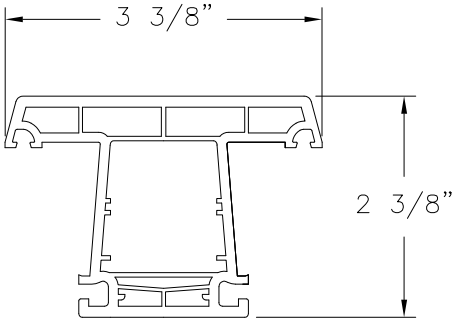
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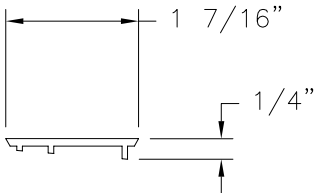
T-SASH (541150)
VINYL PVC .118" THICK



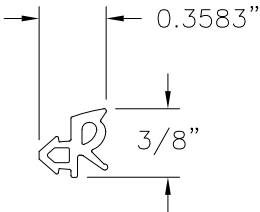
FRAME (601205)
VINYL PVC .118" THICK



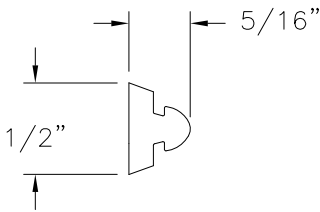
T-MULLION (554091)
VINYL PVC .118" THICK



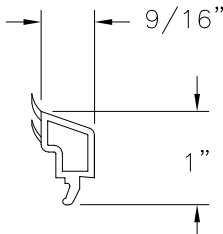
GLAZING SHIM (541220)
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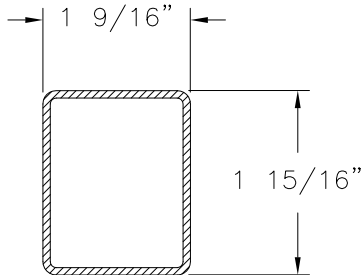
GLAZING SPLINE (864992)



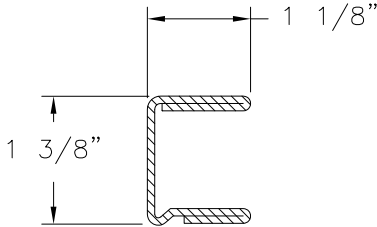
GLAZING SPLINE (864952)



GLAZING STOP (560600)
VINYL PVC .071" THICK



REINFORCEMENT (251886)
STEEL .078" THICK



REINFORCEMENT (244536)
STEEL .078" THICK

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