

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

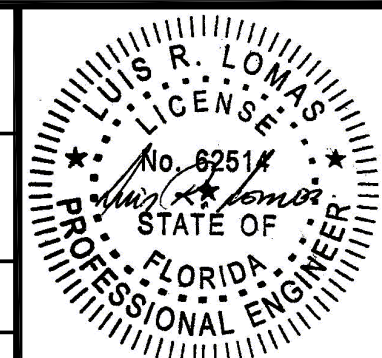
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING, METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY 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, SEE SHEET 2 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING 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 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.
15. 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.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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:
 - 17.1. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - 17.3. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 17.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .125" THICK MINIMUM
18. APPROVED CONFIGURATIONS: XX AND X

SIGNED: 04/15/2024

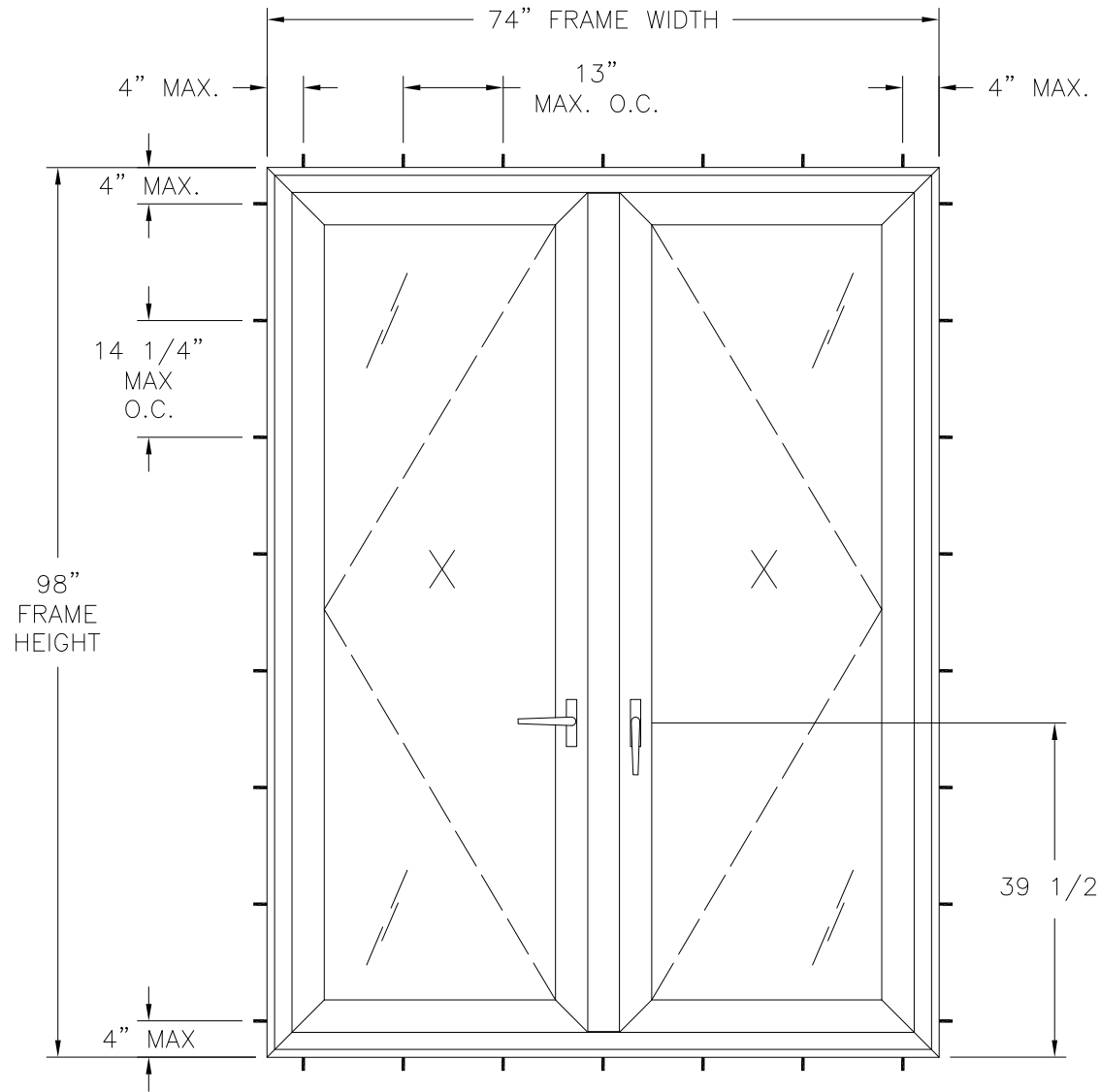
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3	HORIZONTAL CROSS SECTIONS & HINGES LOCATION
4 - 6	INSTALLATION DETAILS
7	COMPONENTS

STERGIS WINDOWS AND DOORS 79 WALTON STREET ATTLEBORO, MA 02703		
SERIES 4500 OUTSWING FRENCH DOOR IMPACT - HVHZ NOTES		
DRAWN: A.R.	DWG NO. 08-04048	REV -
SCALE NTS	DATE 04/04/2024	SHEET 1 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

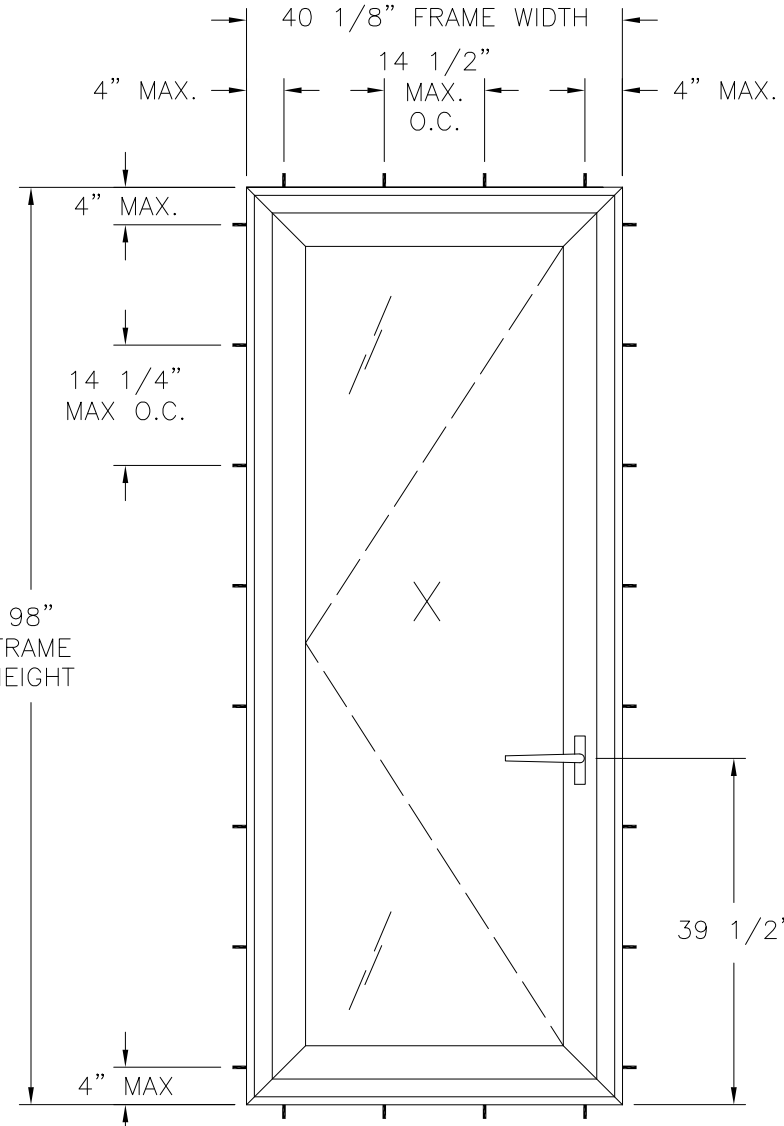


Luis R. Lomas P.E.
FL No.: 62514

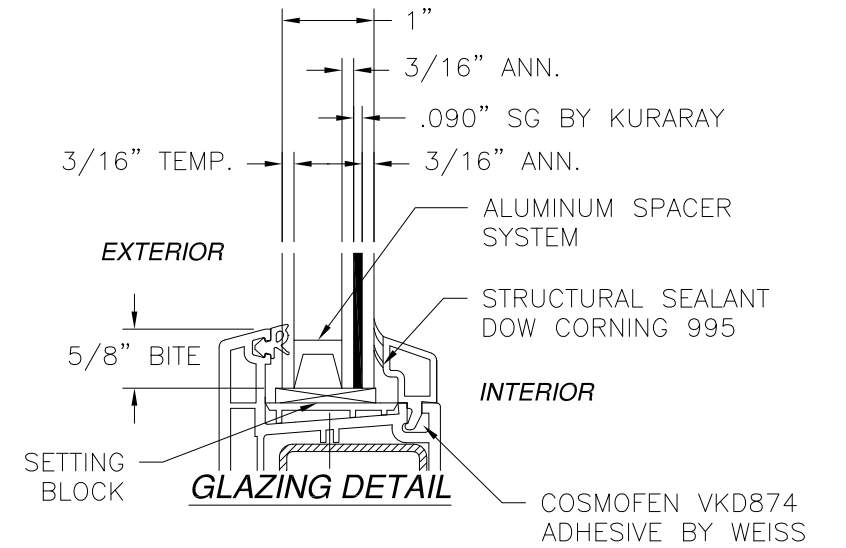
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SERIES 4500 OS DOUBLE DOOR IMPACT - HVHZ
EXTERIOR VIEW



SERIES 4500 OS SINGLE DOOR IMPACT - HVHZ
EXTERIOR VIEW



- NOTES:**
1. PANEL SIZE: 37" X 95"
2. 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

SIGNED: 04/15/2024

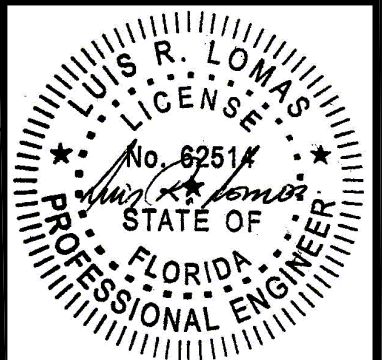
HARDWARE SCHEDULE	
A.	(4) HINGES ON EACH PANEL, 7 1/8" FROM HEAD AND 19" ON CENTER THEREAFTER
B.	(1) MULTI POINT LOCKING SYSTEM WITH KEEPERS
C.	(2) DOOR LOCK HANDLE AT 58 1/2" FROM HEAD
D.	STEEL REINFORCEMENT (244536) AT T-MULLION FRAME, HEAD, SILL AND JAMBS
E.	STEEL REINFORCEMENT (251886) AT PANEL TOP,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

STERGIS WINDOWS AND DOORS
79 WALTON STREET
ATTLEBORO, MA 02703

SERIES 4500 OUTSWING FRENCH DOOR
IMPACT – HVHZ
ELEVATION

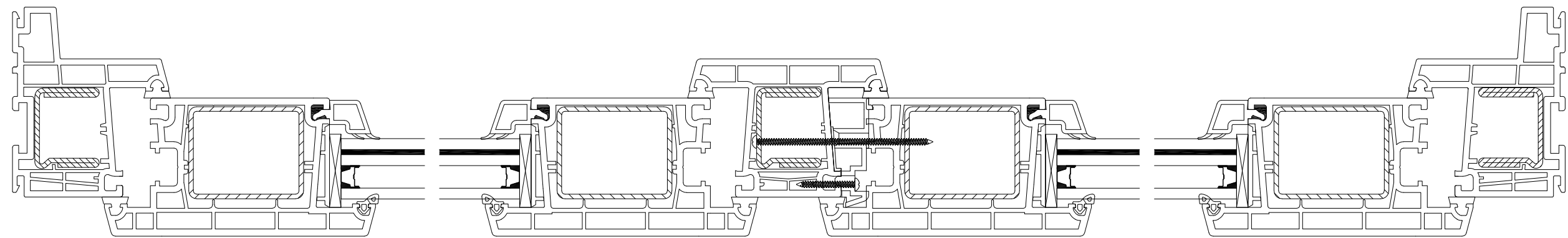
DRAWN: A.R.	DWG NO. 08-04048	REV -
SCALE NTS	DATE 04/04/2024	SHEET 2 OF 7

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

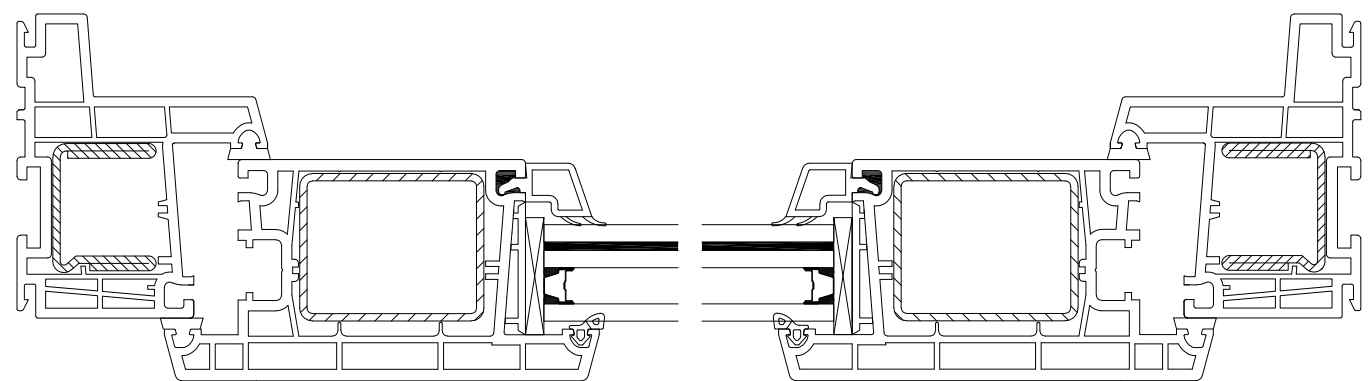


Luis R. Lomas P.E.
FL No.: 62514

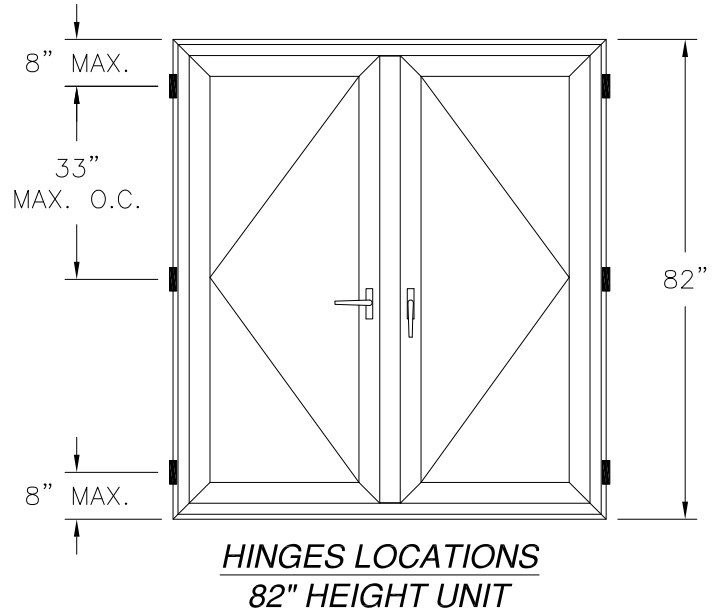
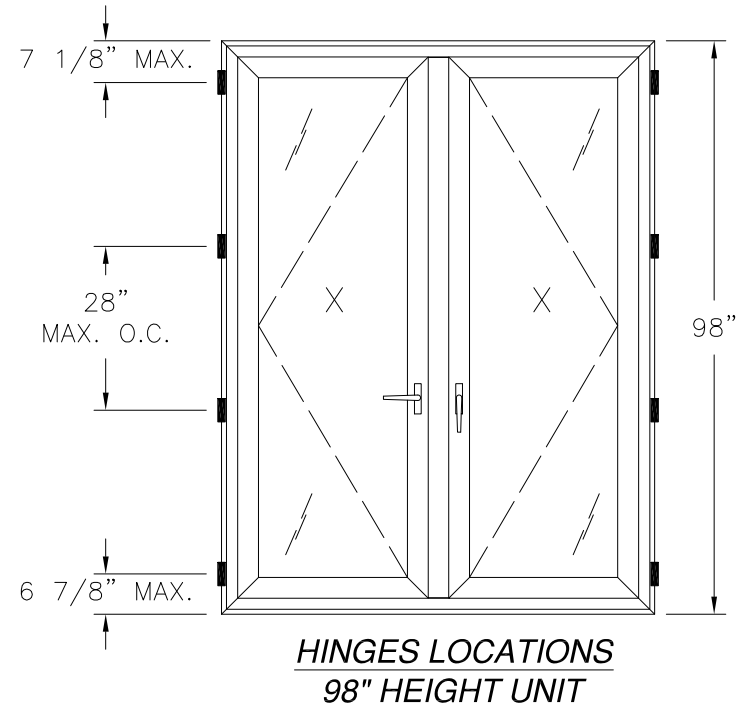
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



DOUBLE DOOR HORIZONTAL CROSS SECTION



SINGLE DOOR HORIZONTAL CROSS SECTION



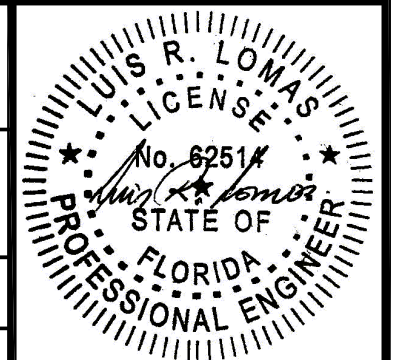
STERGIS WINDOWS AND DOORS
79 WALTON STREET
ATTLEBORO, MA 02703

SERIES 4500 OUTSWING FRENCH DOOR
IMPACT - HVHZ
HORIZONTAL CROSS SECTIONS & HINGES LOCATION

DRAWN: A.R.	DWG NO. 08-04048	REV -
SCALE NTS	DATE 04/04/2024	SHEET 3 OF 7

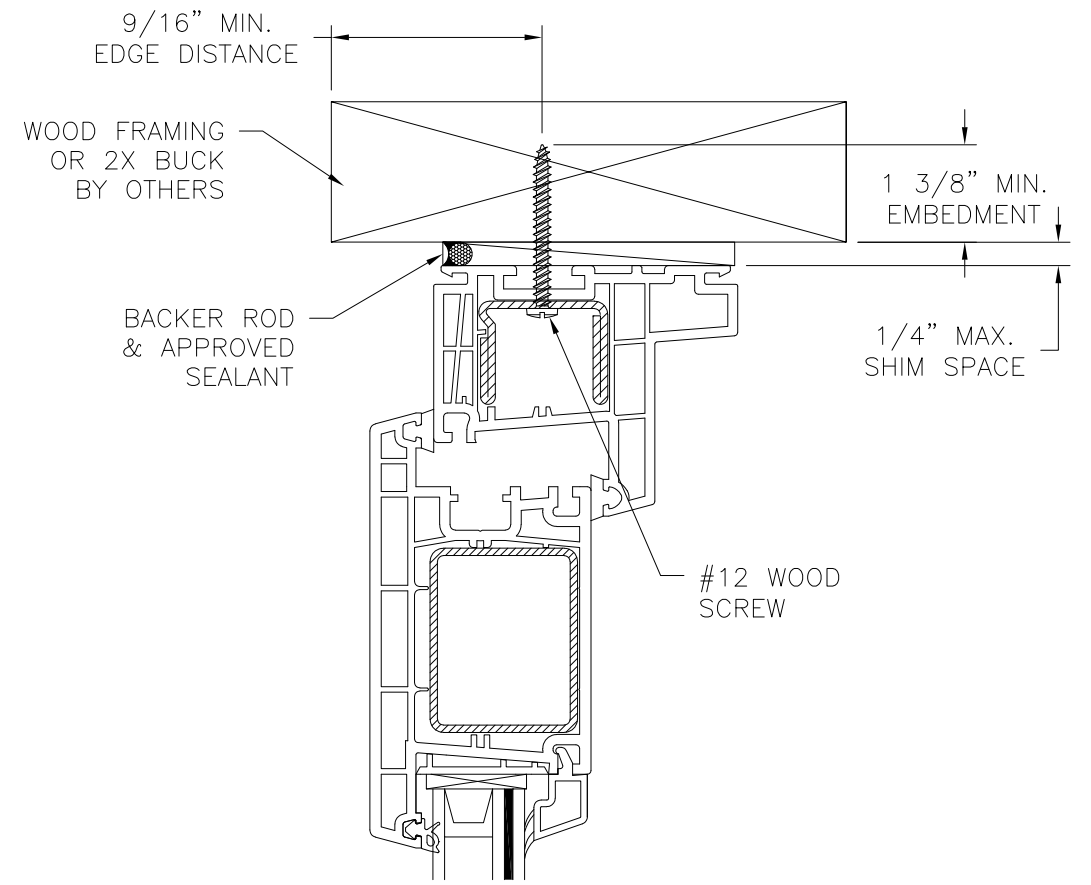
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 04/15/2024

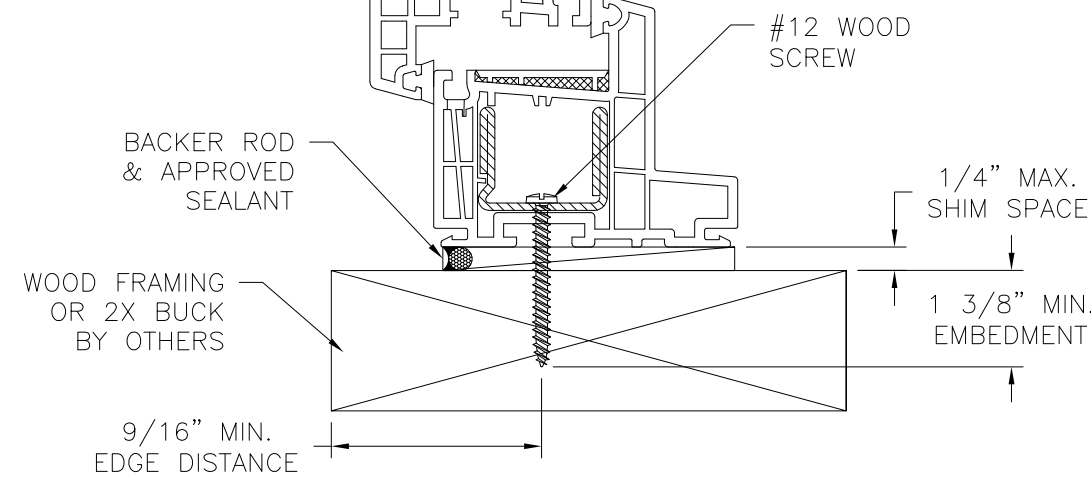


Luis R. Lomas P.E.
FL No.: 62514

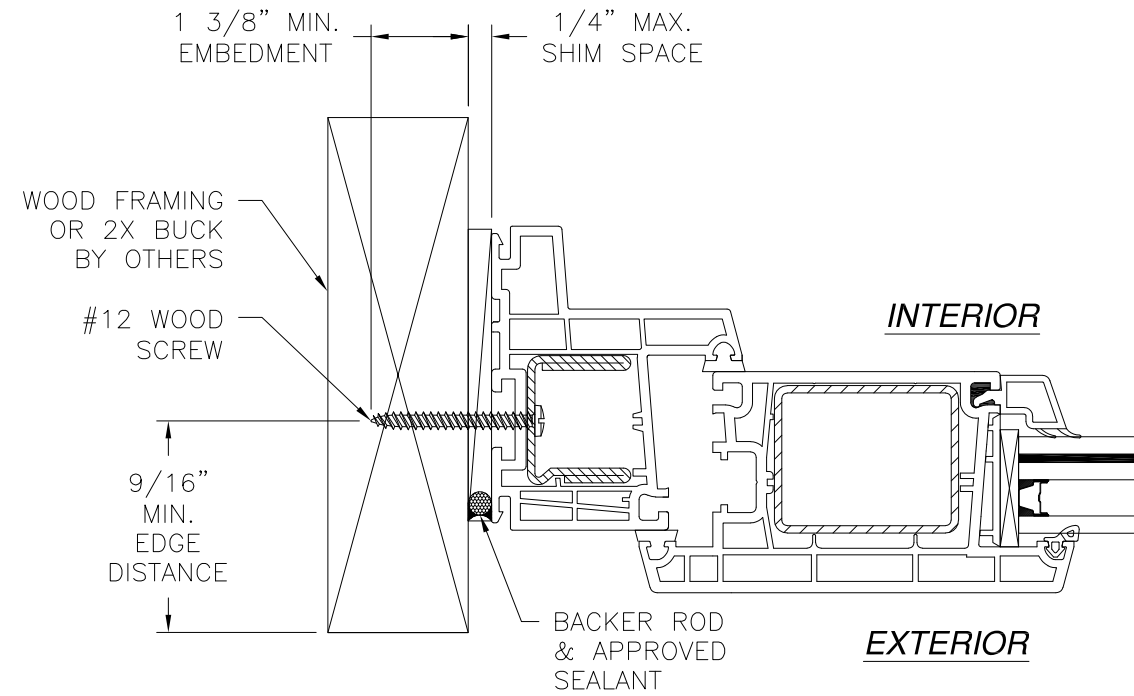
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



EXTERIOR **INTERIOR**



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

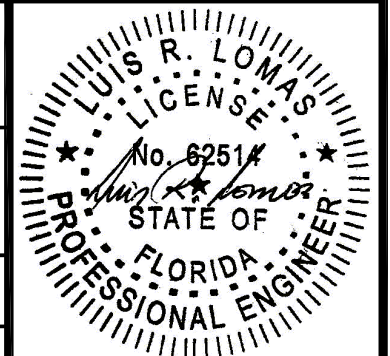


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

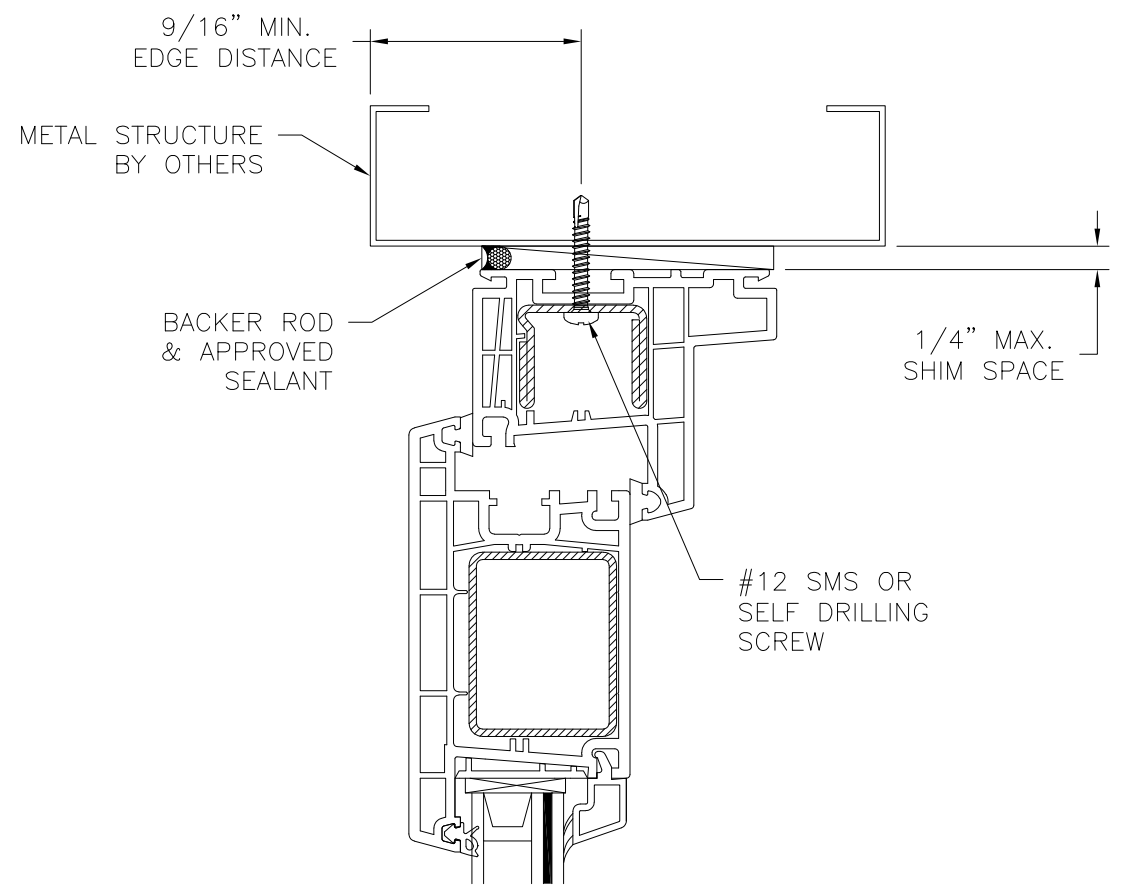
SIGNED: 04/15/2024

STERGIS WINDOWS AND DOORS 79 WALTON STREET ATTLEBORO, MA 02703		
SERIES 4500 OUTSWING FRENCH DOOR IMPACT - HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-04048	REV -
SCALE NTS	DATE 04/04/2024	SHEET 4 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

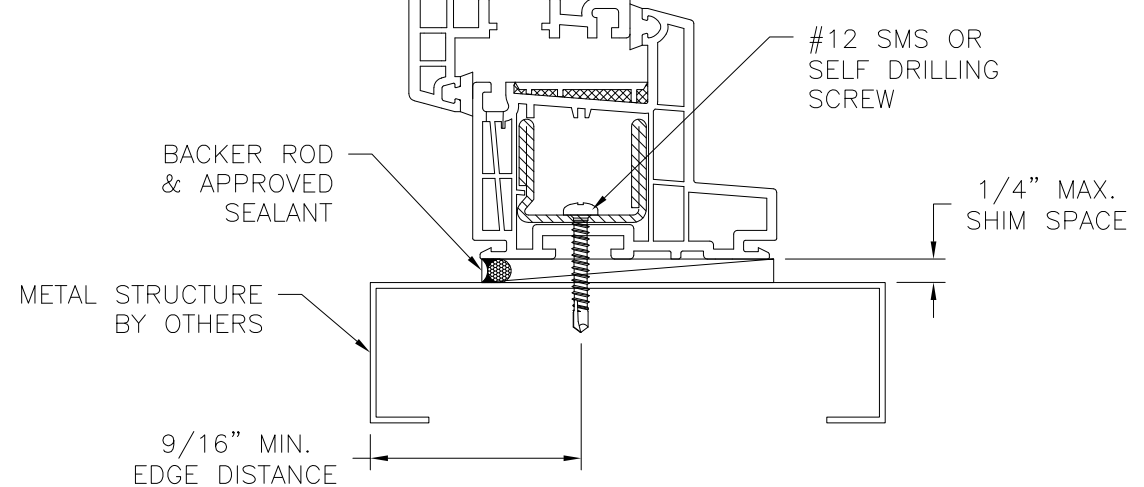


Luis R. Lomas P.E.
FL No.: 62514

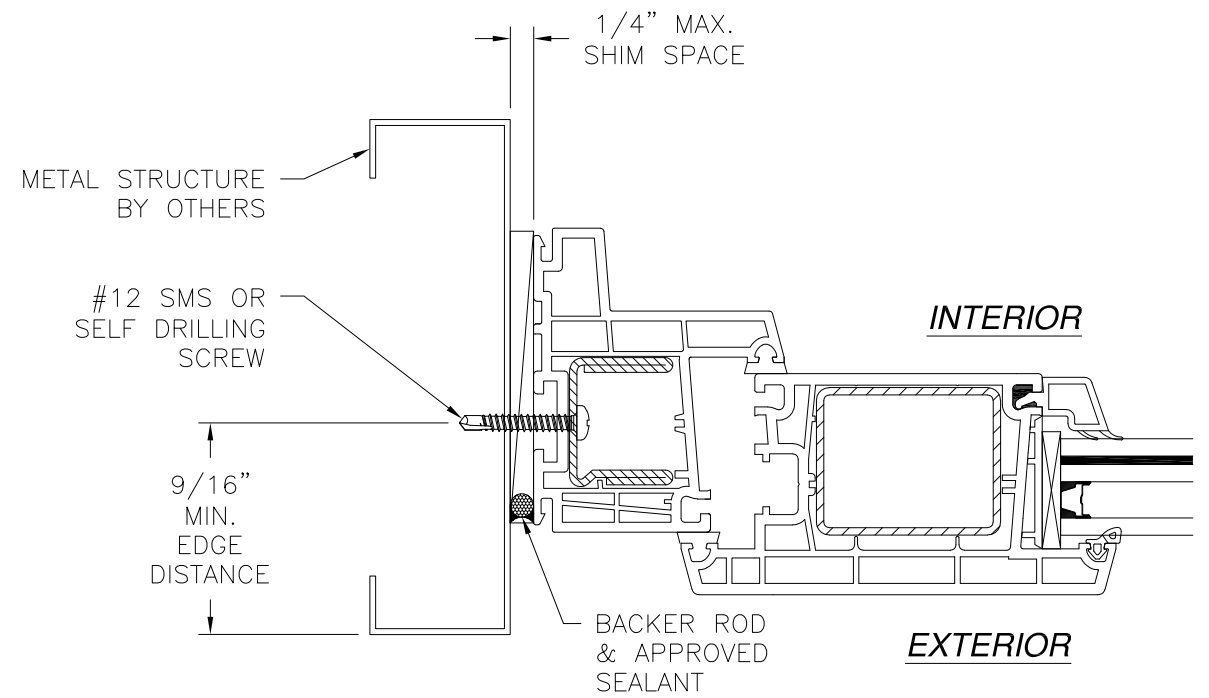
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



EXTERIOR **INTERIOR**



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

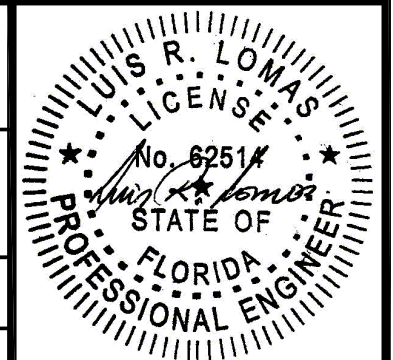


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- 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

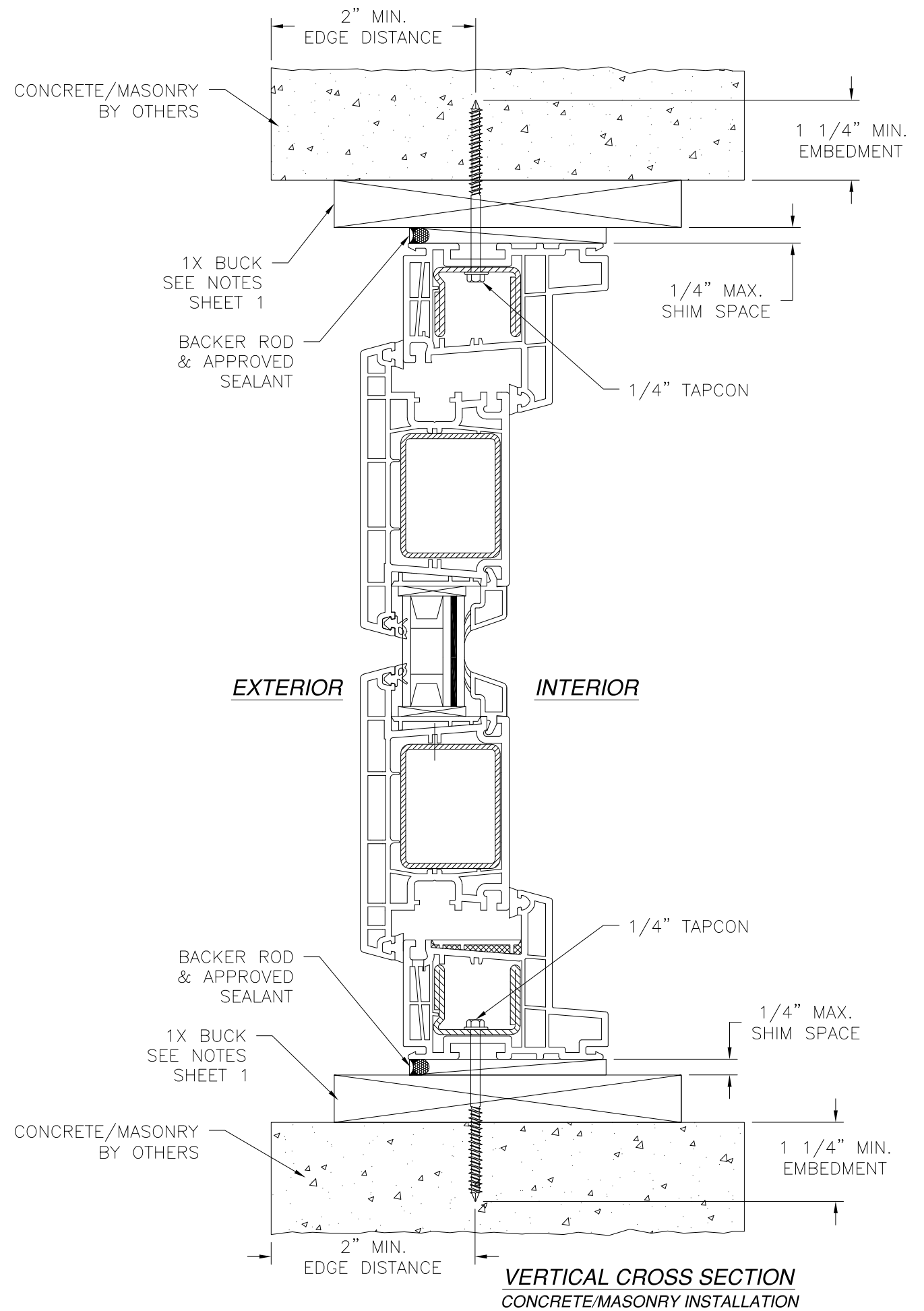
SIGNED: 04/15/2024

STERGIS WINDOWS AND DOORS 79 WALTON STREET ATTLEBORO, MA 02703		
SERIES 4500 OUTSWING FRENCH DOOR IMPACT - HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-04048	REV -
SCALE NTS	DATE 04/04/2024	SHEET 5 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

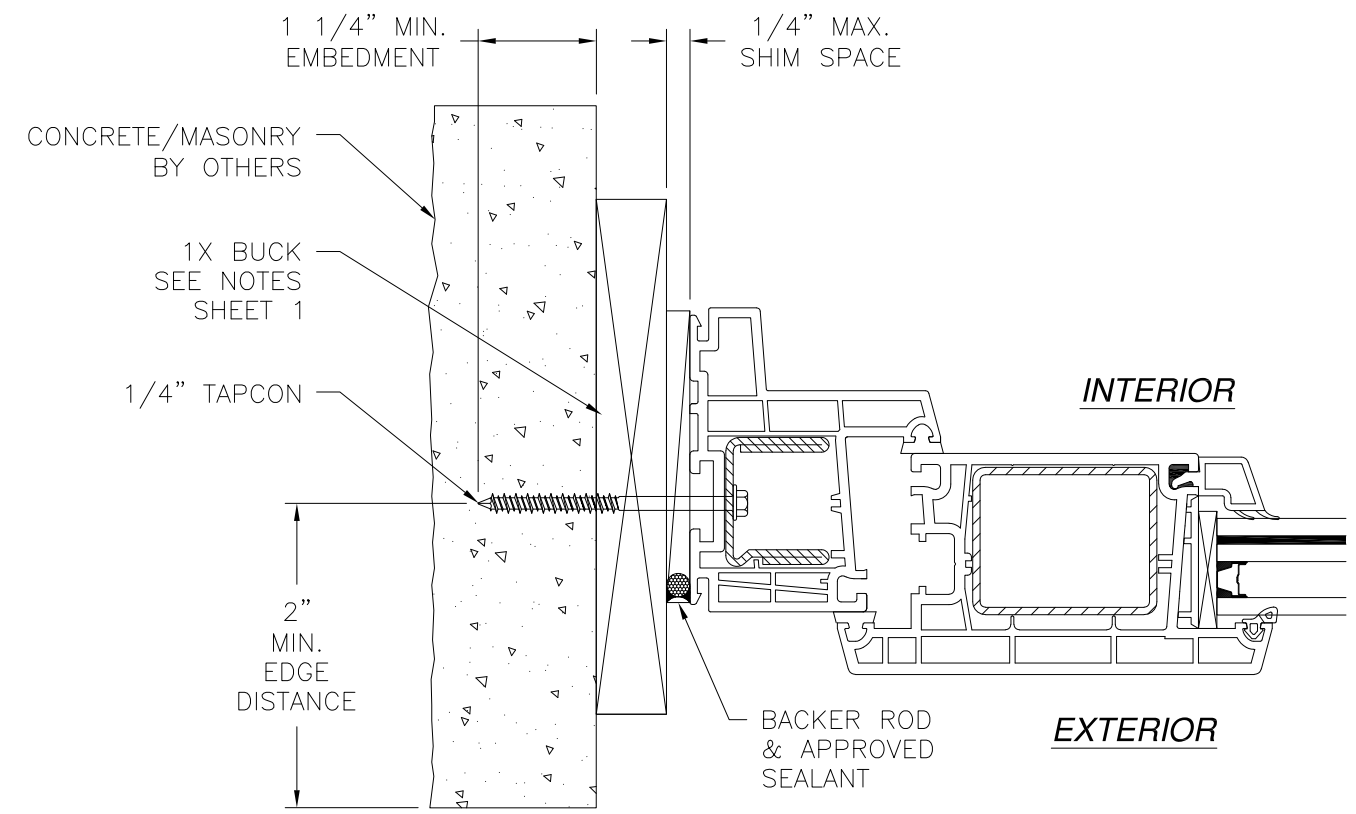


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



**VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION**



**JAMB INSTALLATION DETAIL
CONCRETE/MASONRY 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

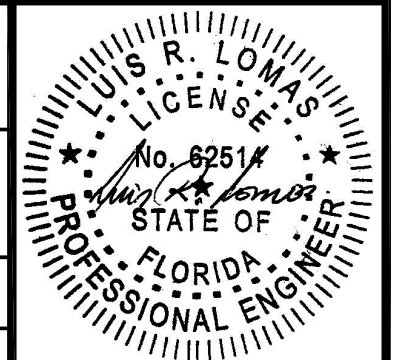
SIGNED: 04/15/2024

STERGIS WINDOWS AND DOORS
79 WALTON STREET
ATTLEBORO, MA 02703

SERIES 4500 OUTSWING FRENCH DOOR
IMPACT - HVHZ
INSTALLATION DETAILS

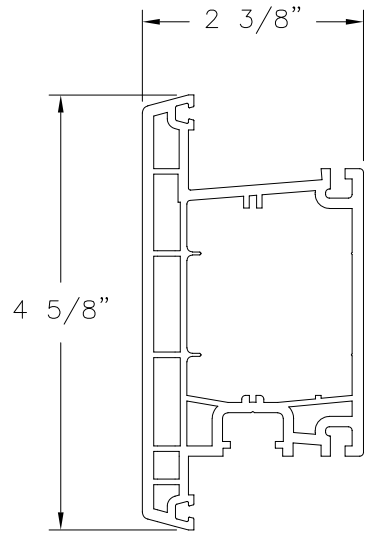
DRAWN: A.R.	DWG NO. 08-04048	REV -
SCALE NTS	DATE 04/04/2024	SHEET 6 OF 7

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

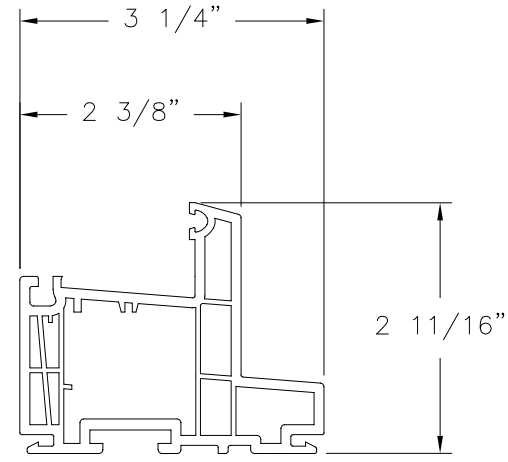


Luis R. Lomas P.E.
FL No.: 62514

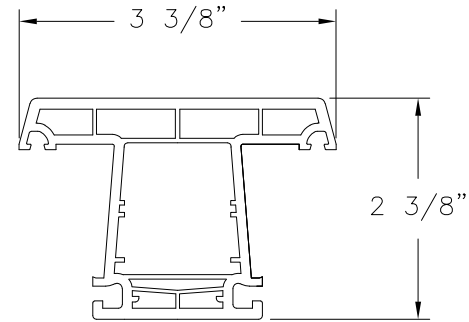
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



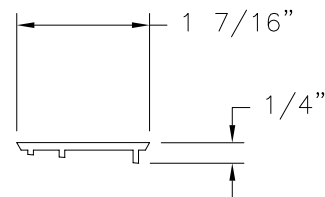
T-SASH (541150)
VINYL PVC .118" THICK



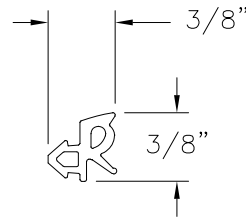
FRAME (601205)
VINYL PVC .118" THICK



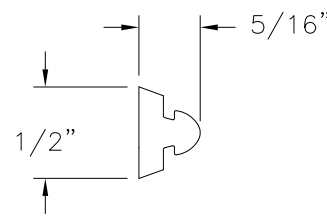
T-MULLION (554091)
VINYL PVC .118" THICK



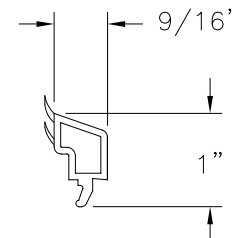
GLAZING SHIM (541220)
VINYL PVC .079" THICK



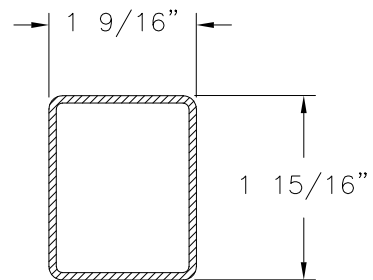
GLAZING SPLINE (864992)



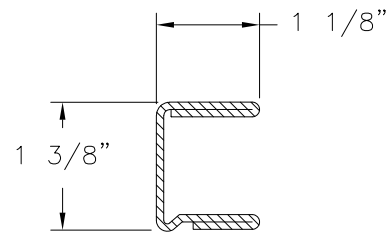
GLAZING SPLINE (864952)



GLAZING STOP (560600)
VINYL PVC .071" THICK



REINFORCEMENT (251886)
STEEL .078" THICK



REINFORCEMENT (244536)
STEEL .078" THICK

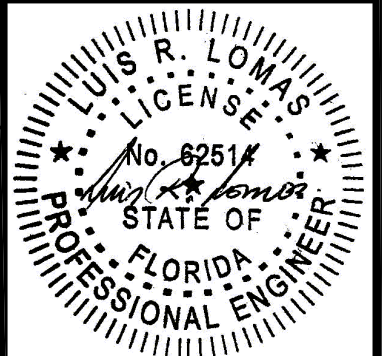
SIGNED: 04/15/2024

STERGIS WINDOWS AND DOORS
79 WALTON STREET
ATTLEBORO, MA 02703

SERIES 4500 OUTSWING FRENCH DOOR
IMPACT - HVHZ
COMPONENTS

DRAWN: A.R.	DWG NO. 08-04048	REV -
SCALE NTS	DATE 04/04/2024	SHEET 7 OF 7

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



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