

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.

- 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. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1–1/2” 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. 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 UNIT FRAME 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 3/8”.
 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: THERMALLY BROKEN STEEL.
 11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 15 FOR GLASS DETAILS.
 12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FRAME OR THROUGH STEEL STRAP INTO WOOD FRAMING OR 2X BUCK USE 1/4” WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FRAME OR THROUGH STEEL STRAP 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 THROUGH FRAME OR THROUGH STEEL STRAP INTO METAL STRUCTURE USE 1/4” 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:
A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI .125” THICK MINIMUM
18. GEOMETRIC SHAPES ARE ALSO APPROVED. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED INSCRIBED DIMENSIONS OF APPROVED RECTANGULAR ASSEMBLY SHOWN IN SHEET 2.
19. UNITS MAY BE INSTALLED VERTICALLY OR HORIZONTALLY.
20. GEOMETRIC SHAPES ARE ALSO APPROVED. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED INSCRIBED DIMENSIONS OF APPROVED RECTANGULAR ASSEMBLY SHOWN IN SHEET 2.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION & RATINGS
3 – 14	INSTALLATION DETAILS
15	COMPONENTS & GLAZING DETAILS

FENESTAR USA LLC
110 JABEZ ST., SUITE 309
NEWARK, NJ 07105

FS-1000I FIXED WINDOW
HVHZ
NOTES

DRAWN:
A.R.

DWG NO.
08-03936

REV
A

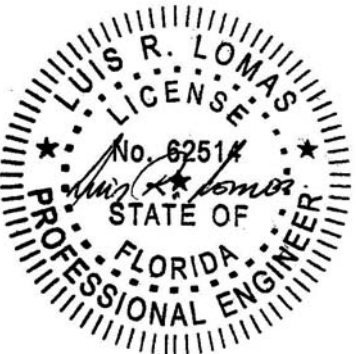
SCALE NTS

DATE 03/27/2023

SHEET 1 OF 15

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

SIGNED: 01/22/2024



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.

Chart #1
Ratings with glass A or B

Frame Height (in)	Frame width (in)																
	54.00	60.00	66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00	124.00	126.00	132.00	138.00	144.00
54.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
60.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
66.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
72.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
78.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
84.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-
90.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-
92.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-
96.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-
102.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-
108.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-	-
114.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-	-	-
120.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-
126.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-
132.00	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-
138.00	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-
144.00	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-

Design pressures are positive and negative

Chart #2
Ratings with glass C

Frame Height (in)	Frame width (in)																
	24.00	30.00	36.00	42.00	48.00	54.00	60.00	66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00
24.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
30.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-
42.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.1	57.7	56.4	-	-	-	-	-
48.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.1	56.1	54.3	-	-	-	-	-	-	-
54.00	60.0	60.0	60.0	60.0	60.0	59.8	56.8	54.4	-	-	-	-	-	-	-	-	-
60.00	60.0	60.0	60.0	60.0	60.0	56.8	53.8	-	-	-	-	-	-	-	-	-	-
66.00	60.0	60.0	60.0	60.0	58.1	54.4	-	-	-	-	-	-	-	-	-	-	-
72.00	60.0	60.0	60.0	60.0	56.1	-	-	-	-	-	-	-	-	-	-	-	-
78.00	60.0	60.0	60.0	59.1	54.3	-	-	-	-	-	-	-	-	-	-	-	-
84.00	60.0	60.0	60.0	57.7	-	-	-	-	-	-	-	-	-	-	-	-	-
90.00	60.0	60.0	60.0	56.4	-	-	-	-	-	-	-	-	-	-	-	-	-
96.00	60.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
102.00	60.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
106.50	60.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108.00	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114.00	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Design pressures are positive and negative

SIGNED: 01/22/2024

FS-1000I FIXED WINDOW
EXTERIOR VIEW

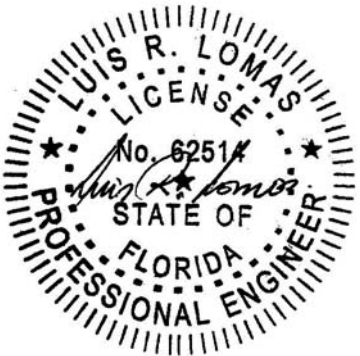
WITH GLASS A OR GLASS B

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE & SMALL MISSILE IMPACT

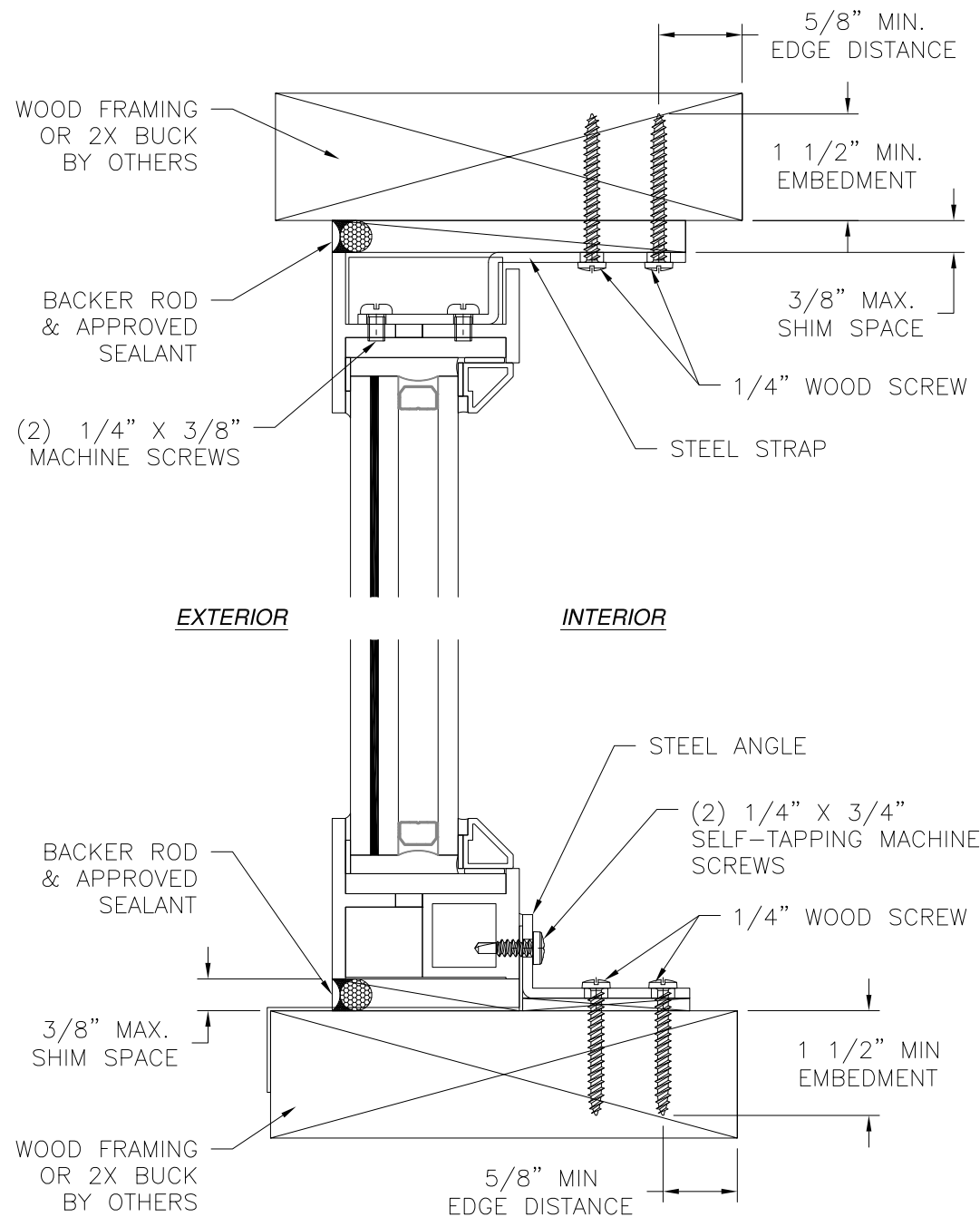
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
FOR ADDITIONAL SIZES SEE CHARTS #1 & #2

NOTES:
1. D.L.O.: 88 1/4" X 120 1/4"

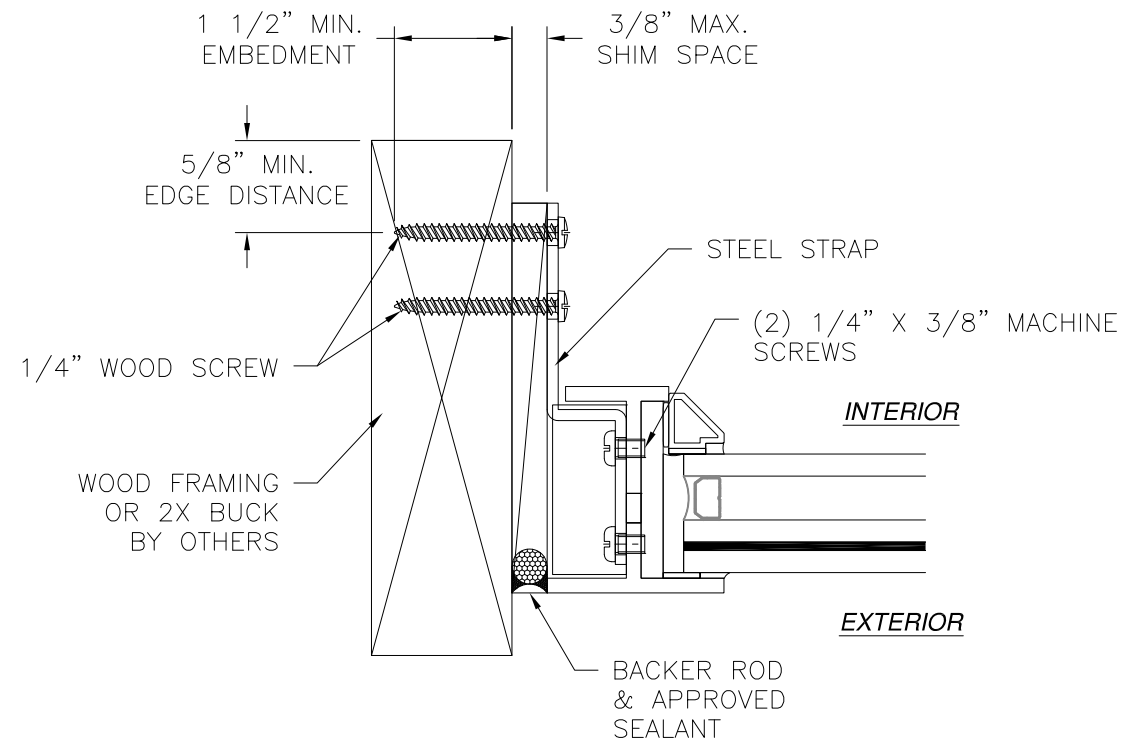
FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ ELEVATION & RATINGS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 2 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



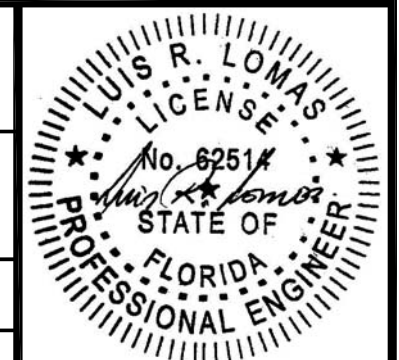
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



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

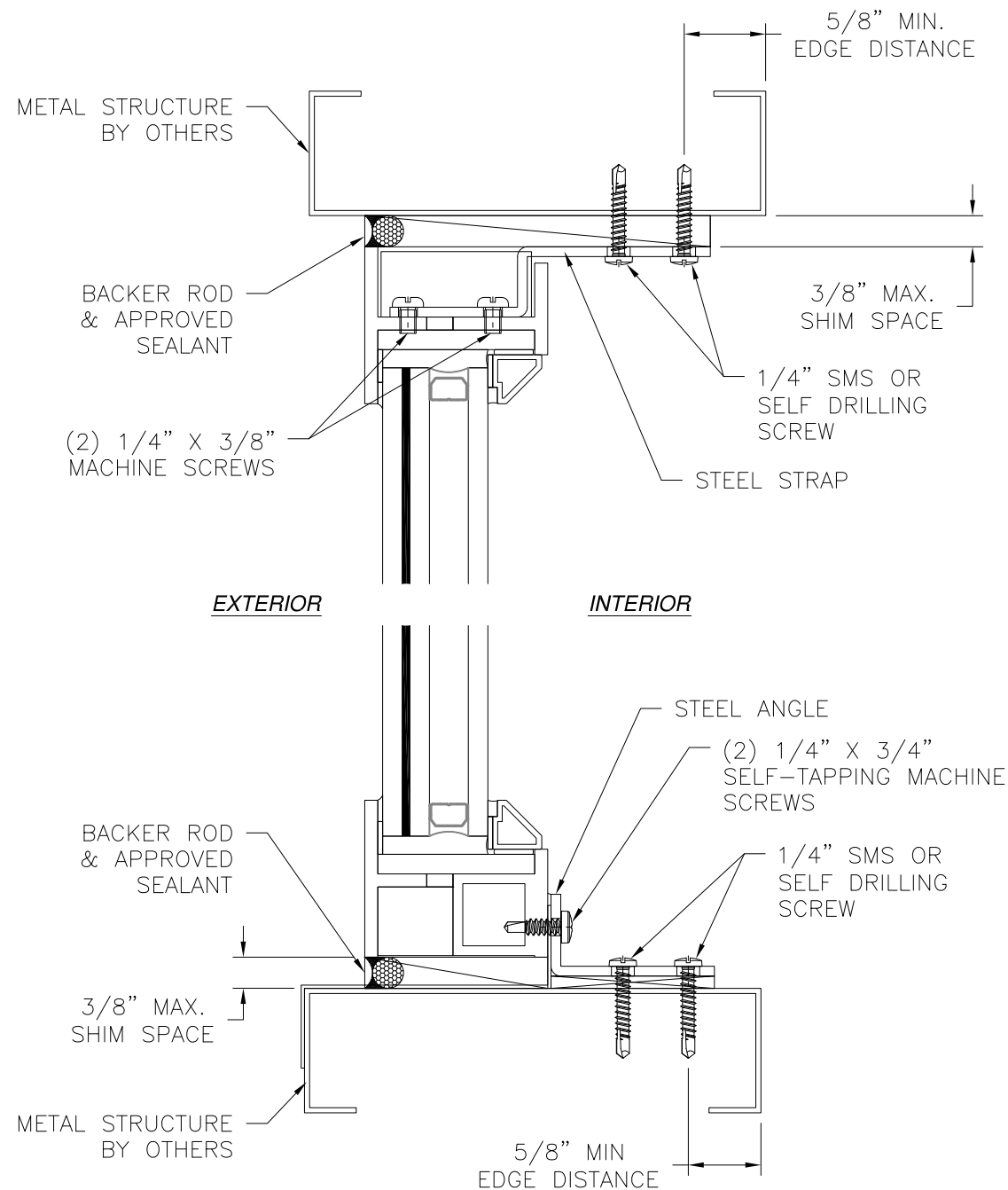
FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 3 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



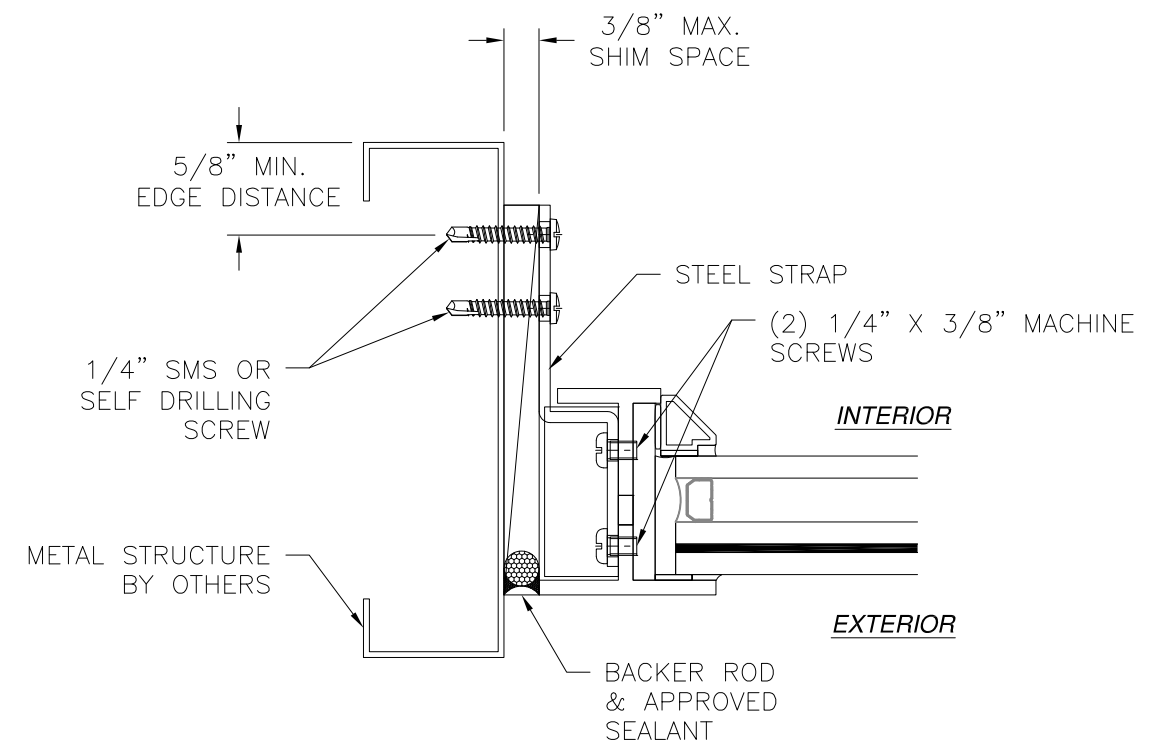
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



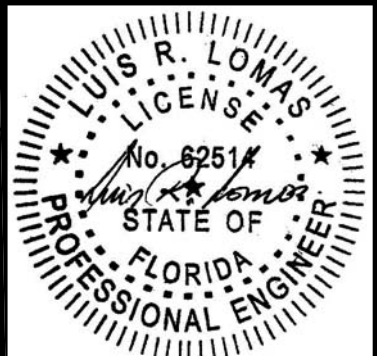
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:

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

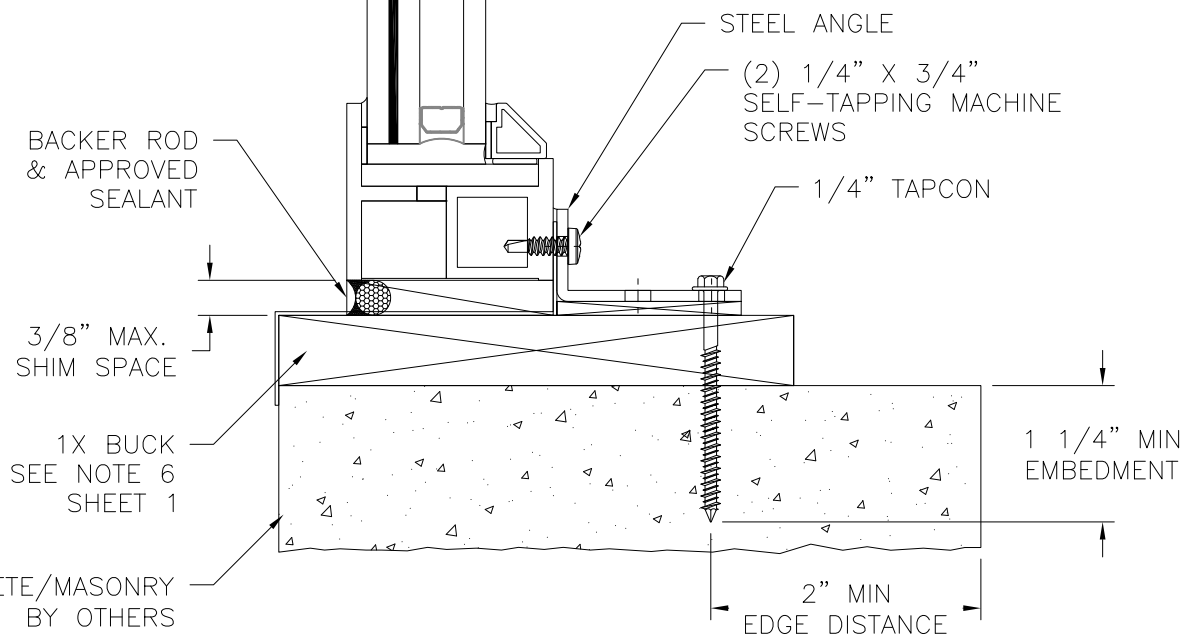
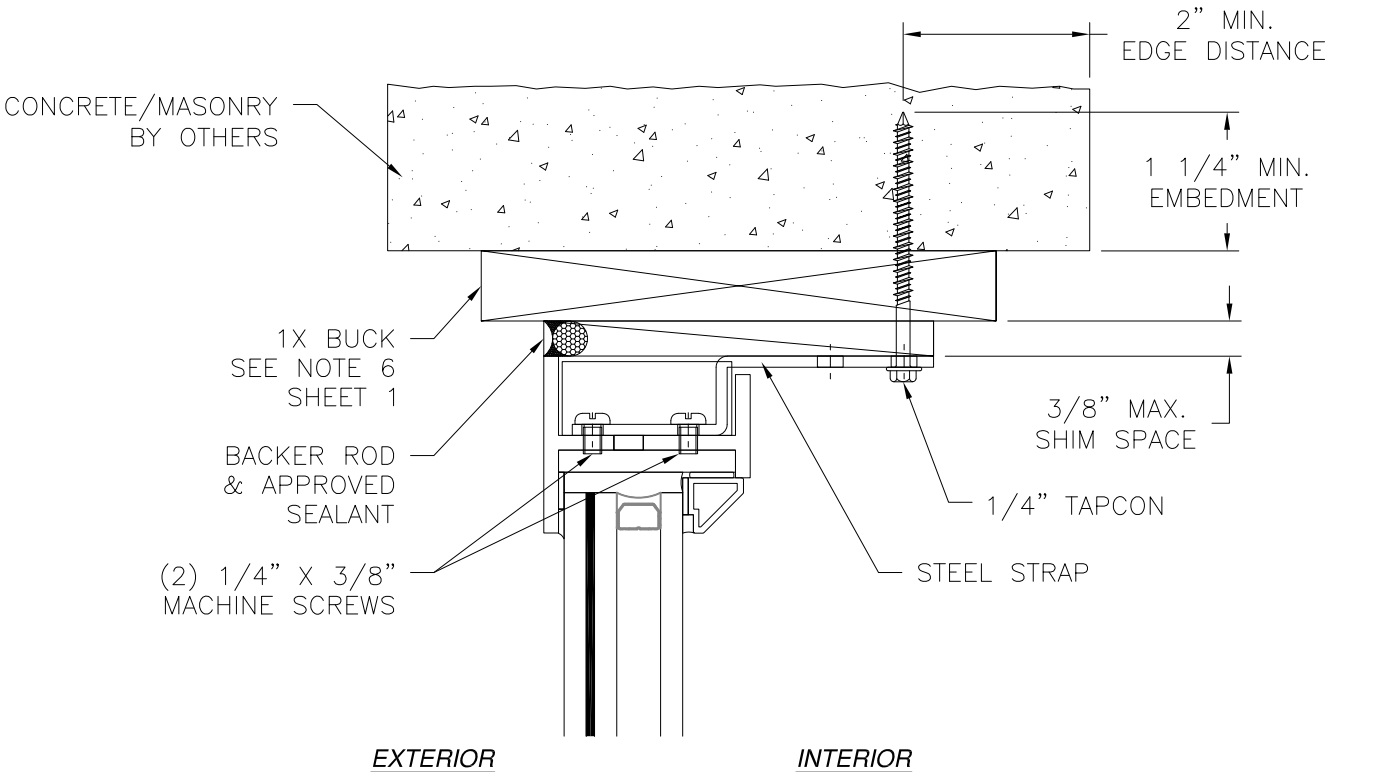
SIGNED: 01/22/2024

FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 4 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

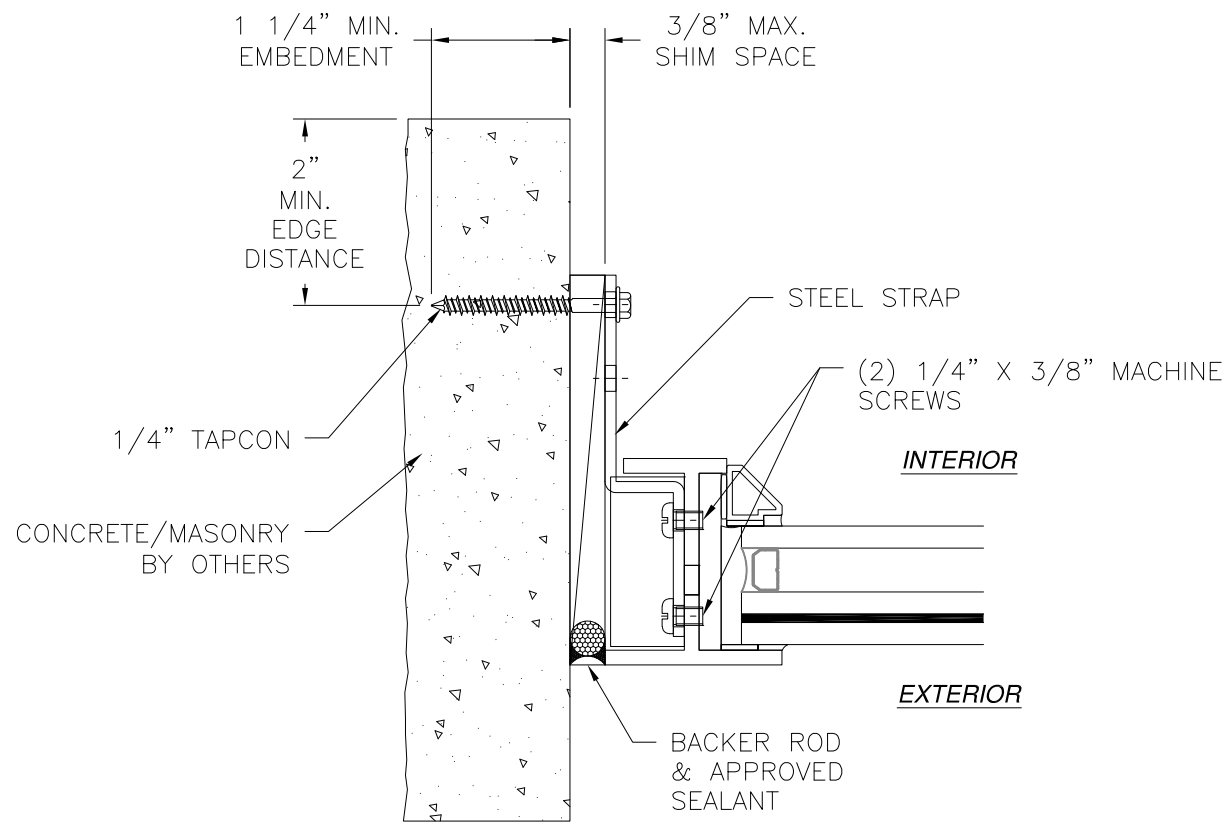


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.



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



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

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

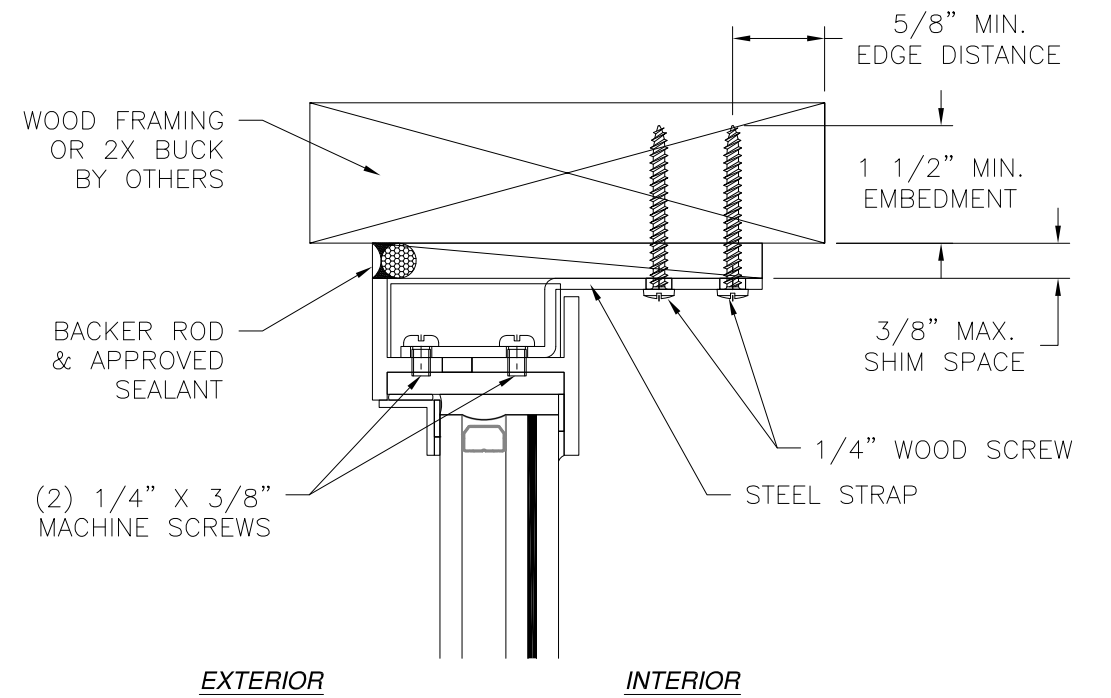
SIGNED: 01/22/2024

FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 5 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

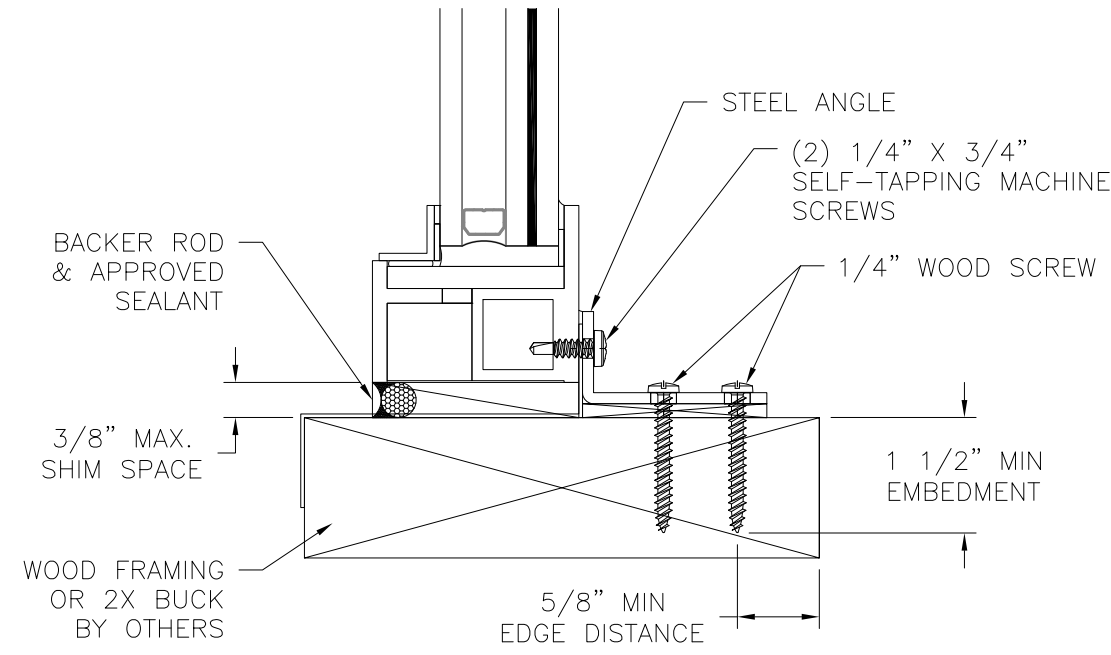
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.

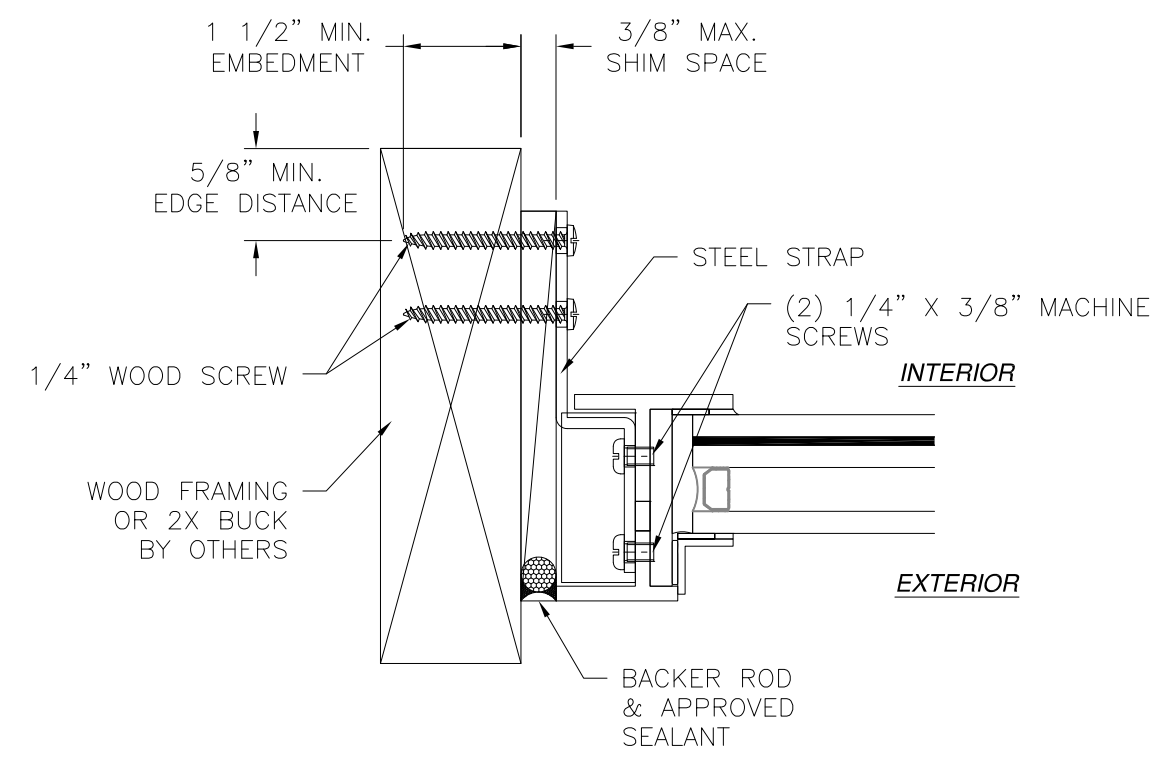


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

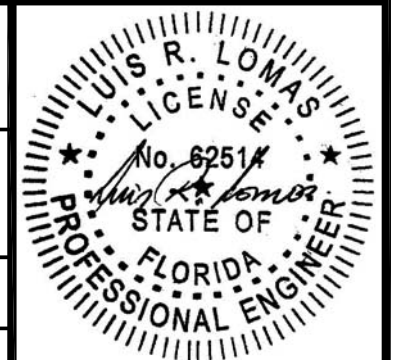


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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

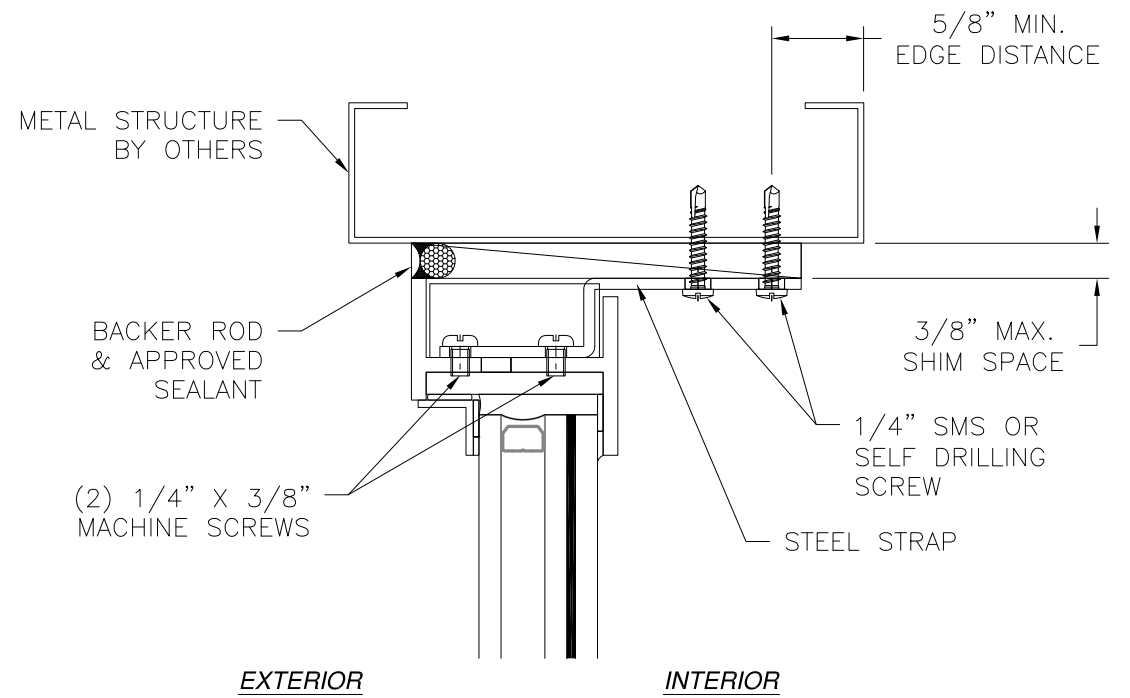
SIGNED: 01/22/2024

FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 6 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

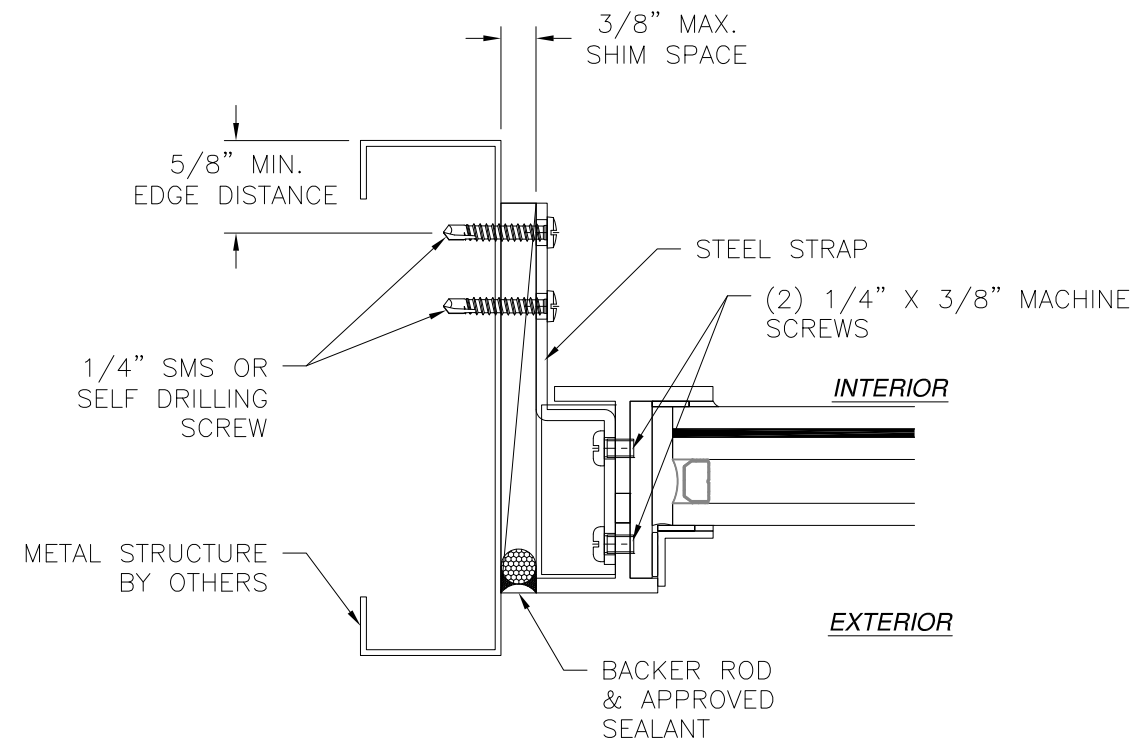


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



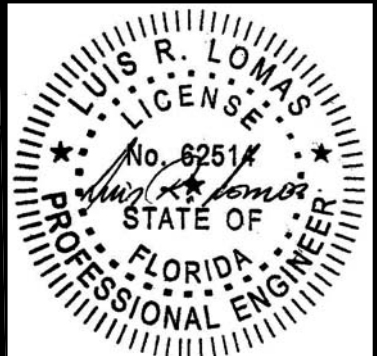
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:

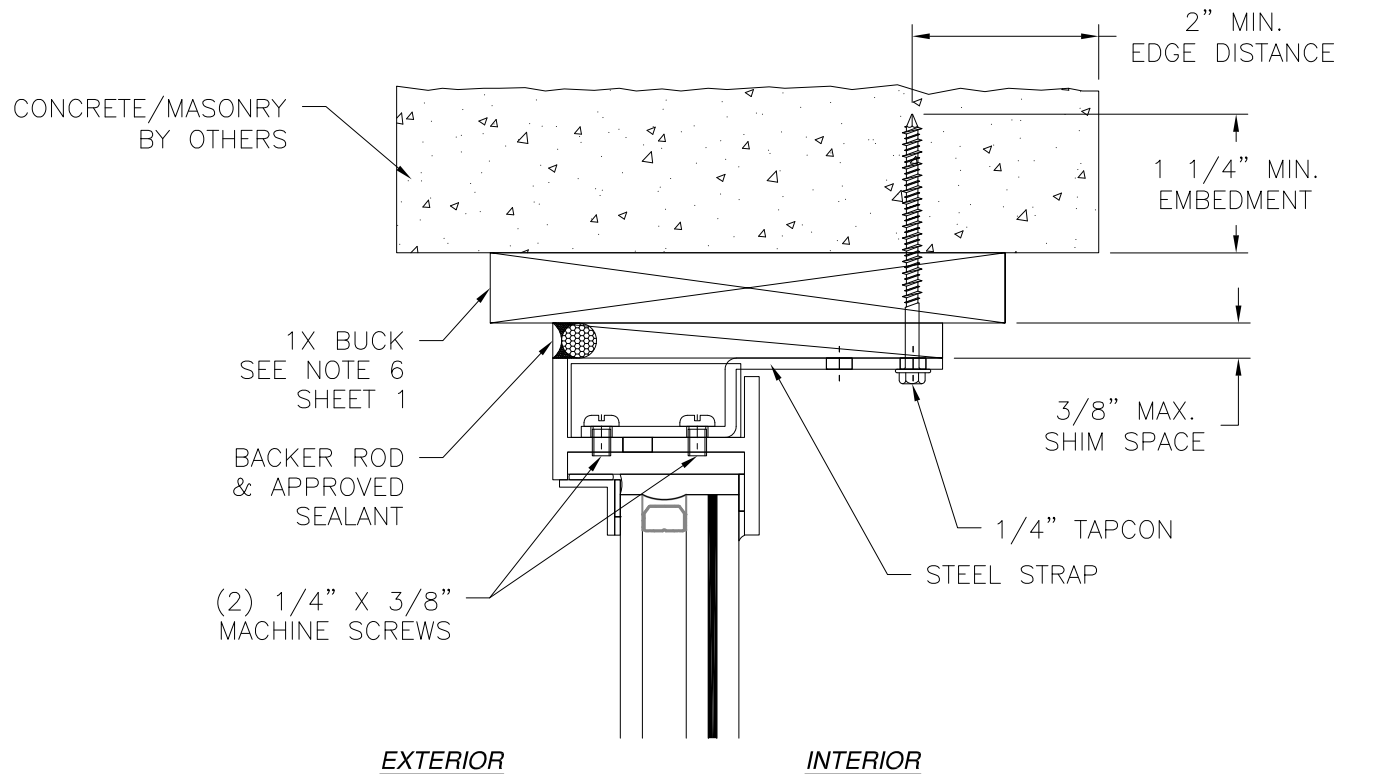
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
- PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 01/22/2024

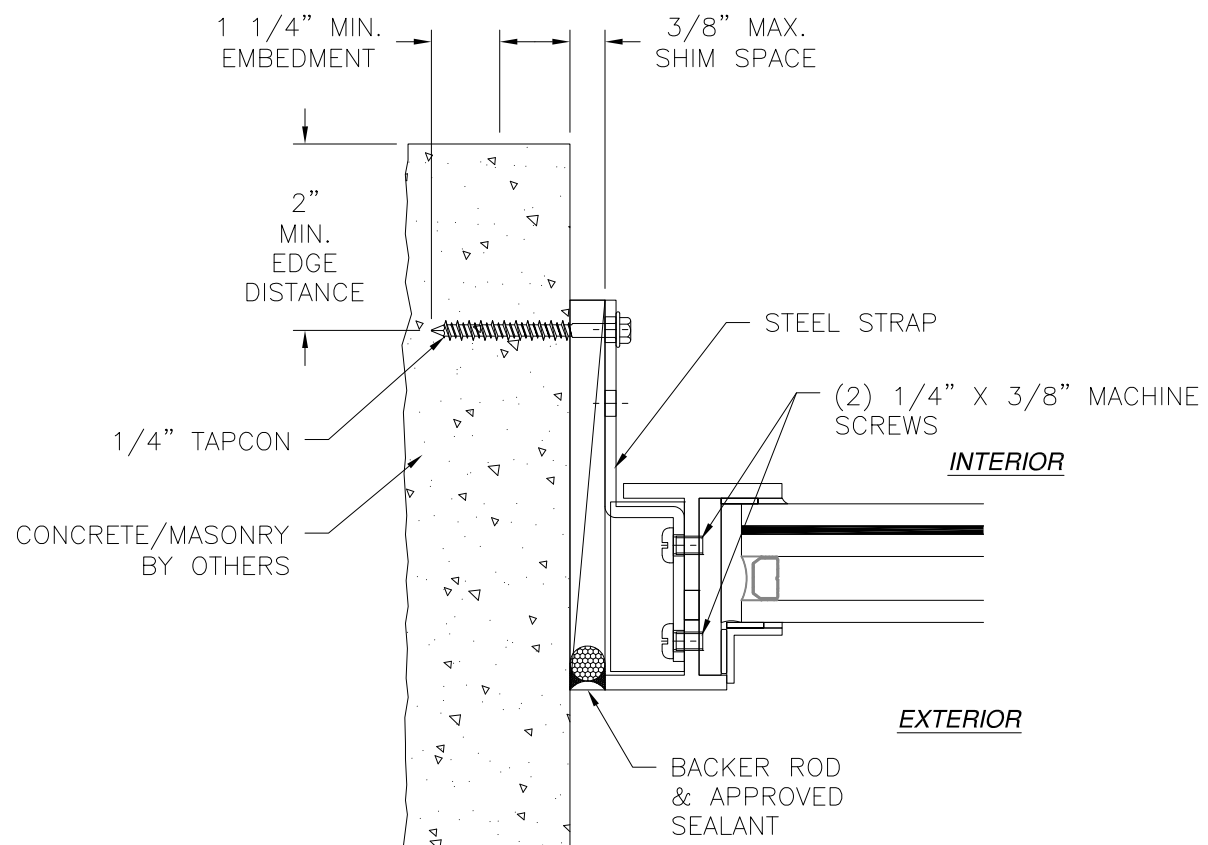
FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 7 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



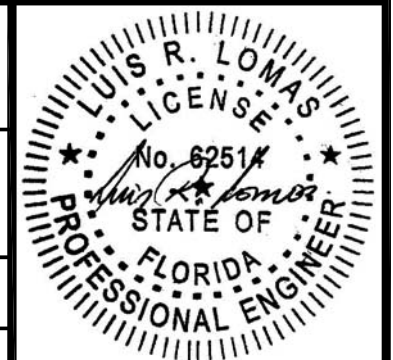
VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO JAMB
INSTALLATION DETAILS



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

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

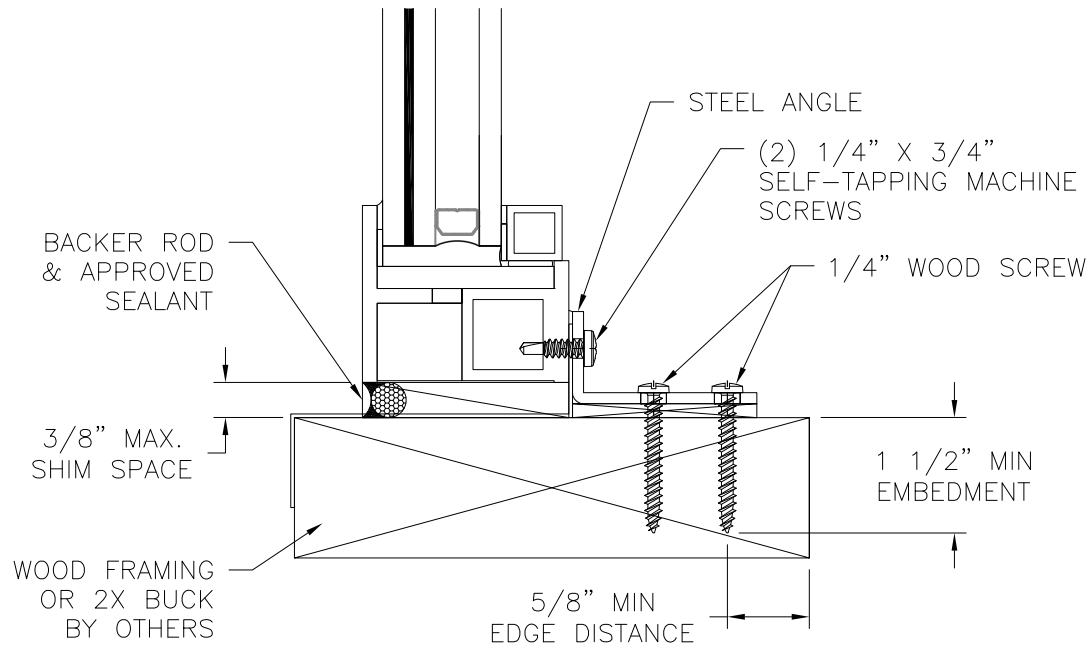
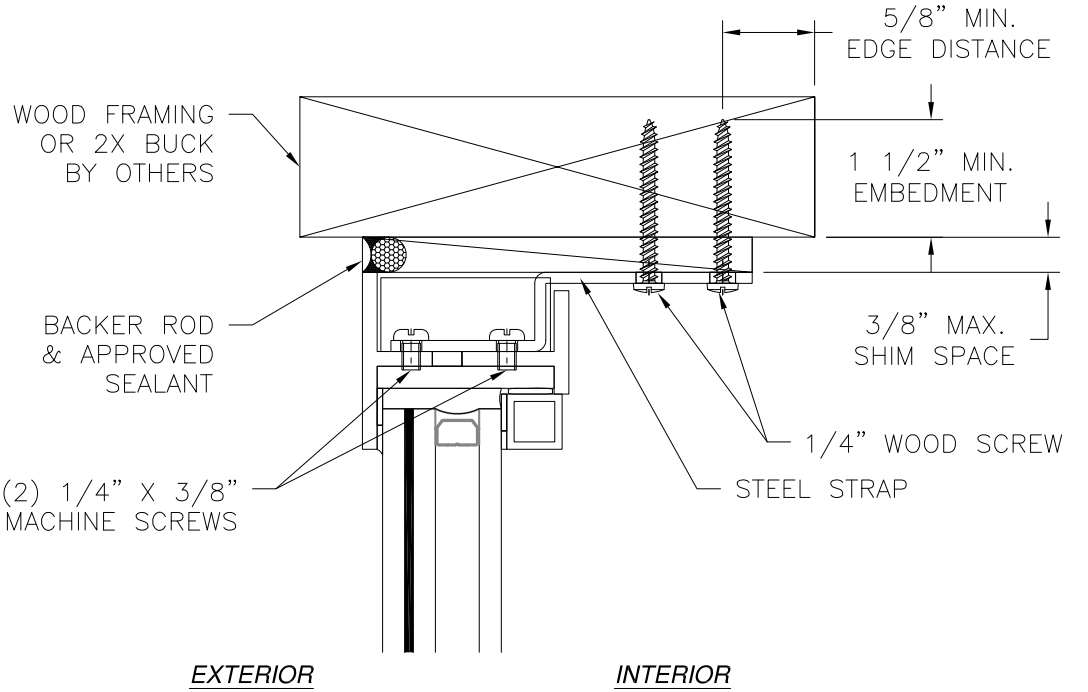
FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 8 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



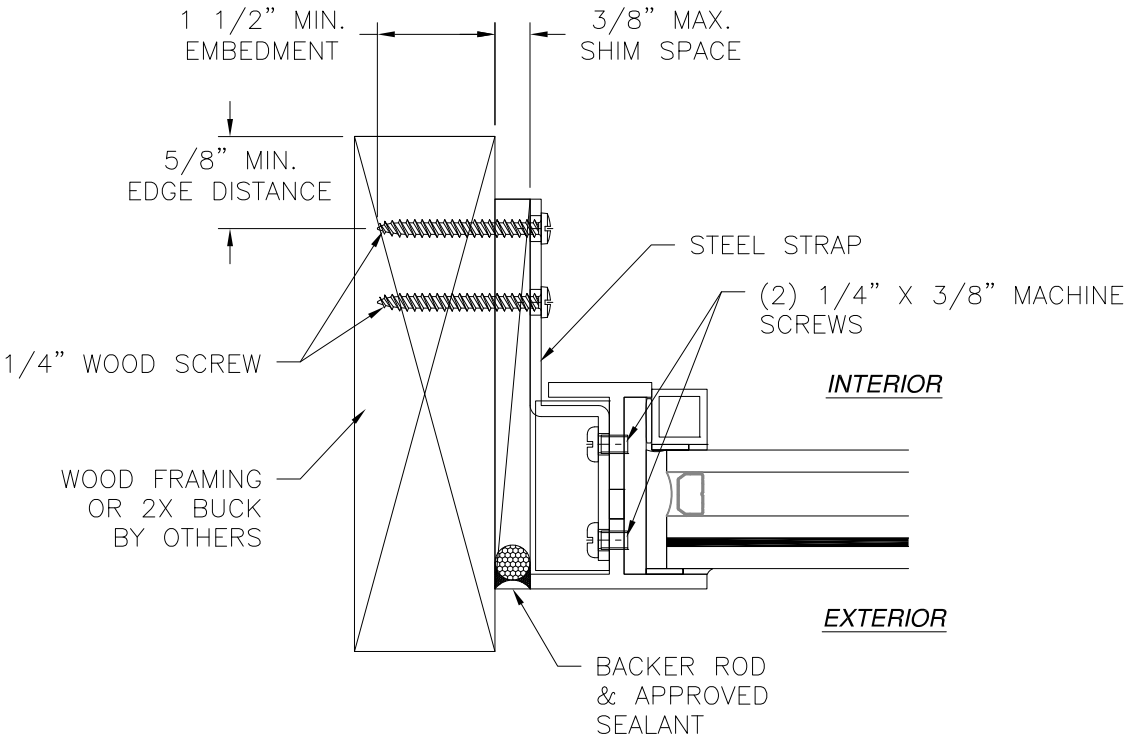
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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

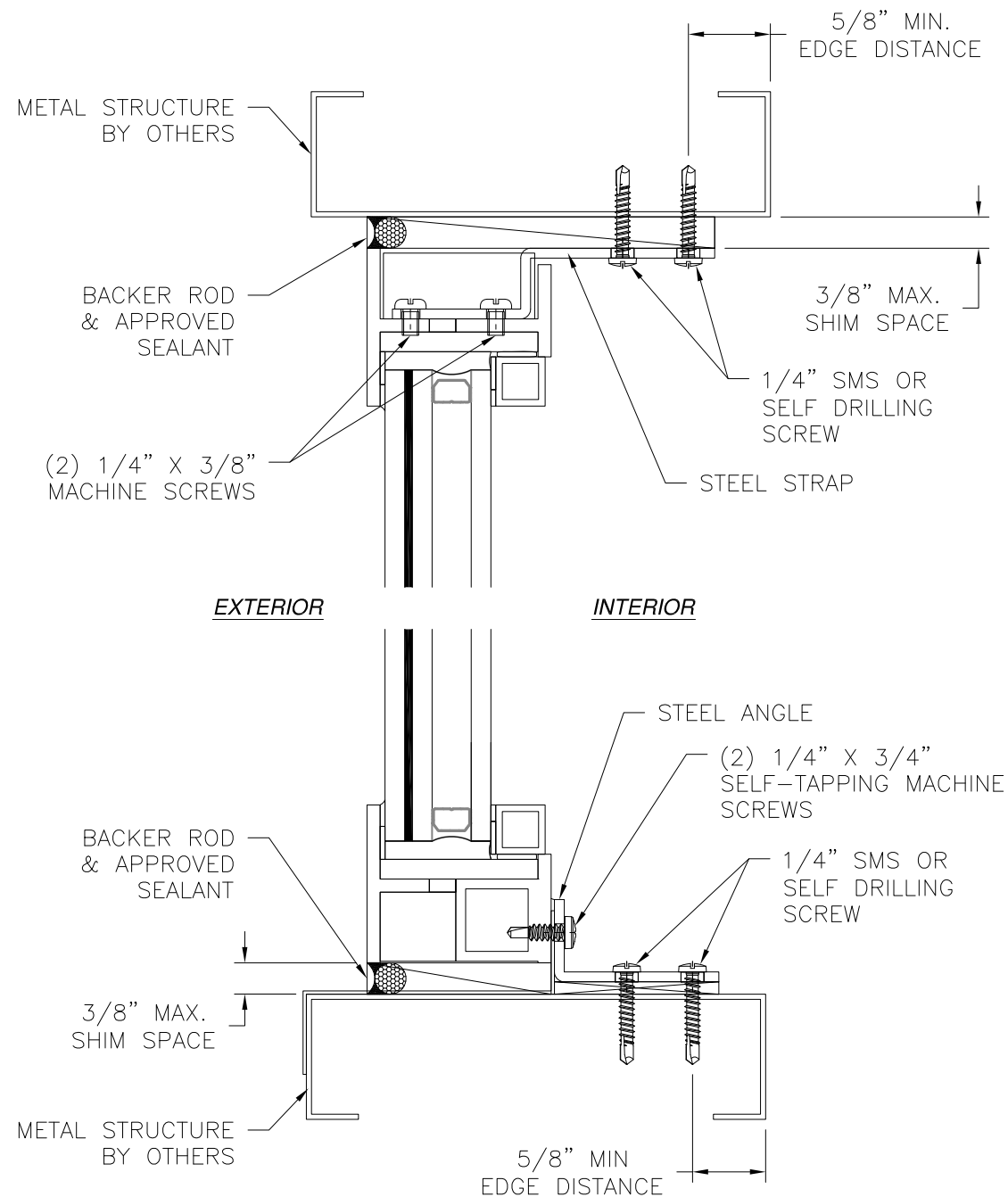
SIGNED: 01/22/2024

FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 9 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

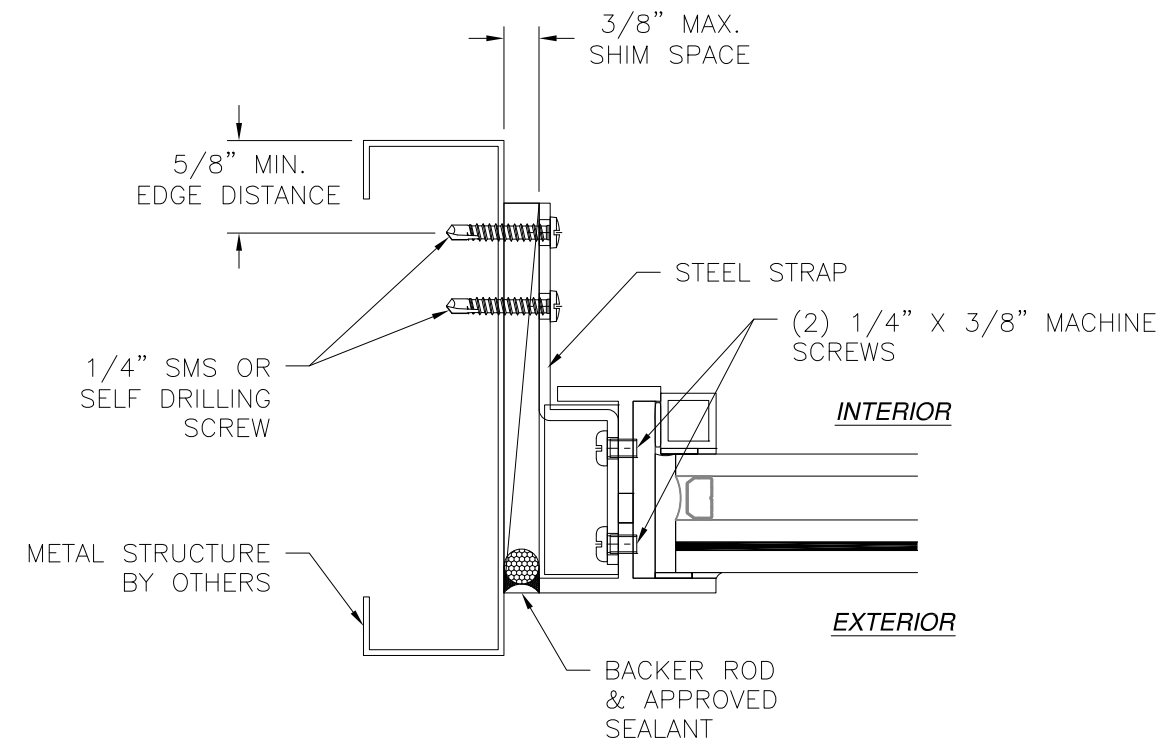


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



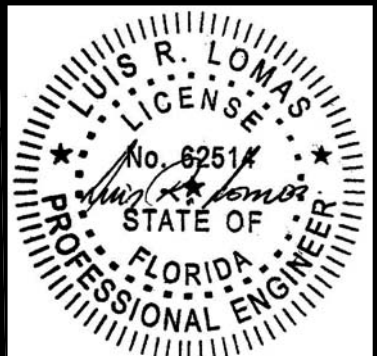
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:

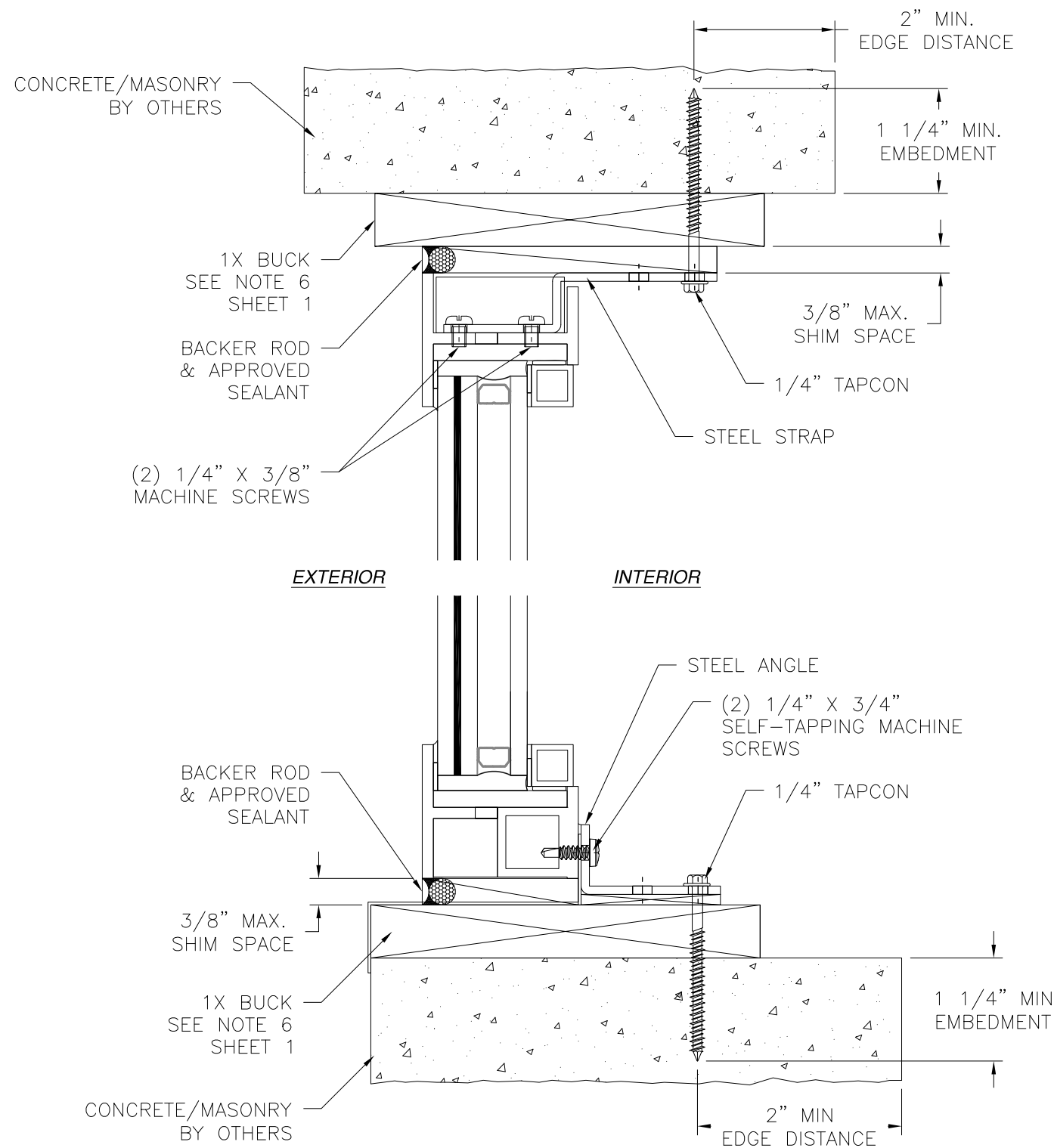
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
- PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 01/22/2024

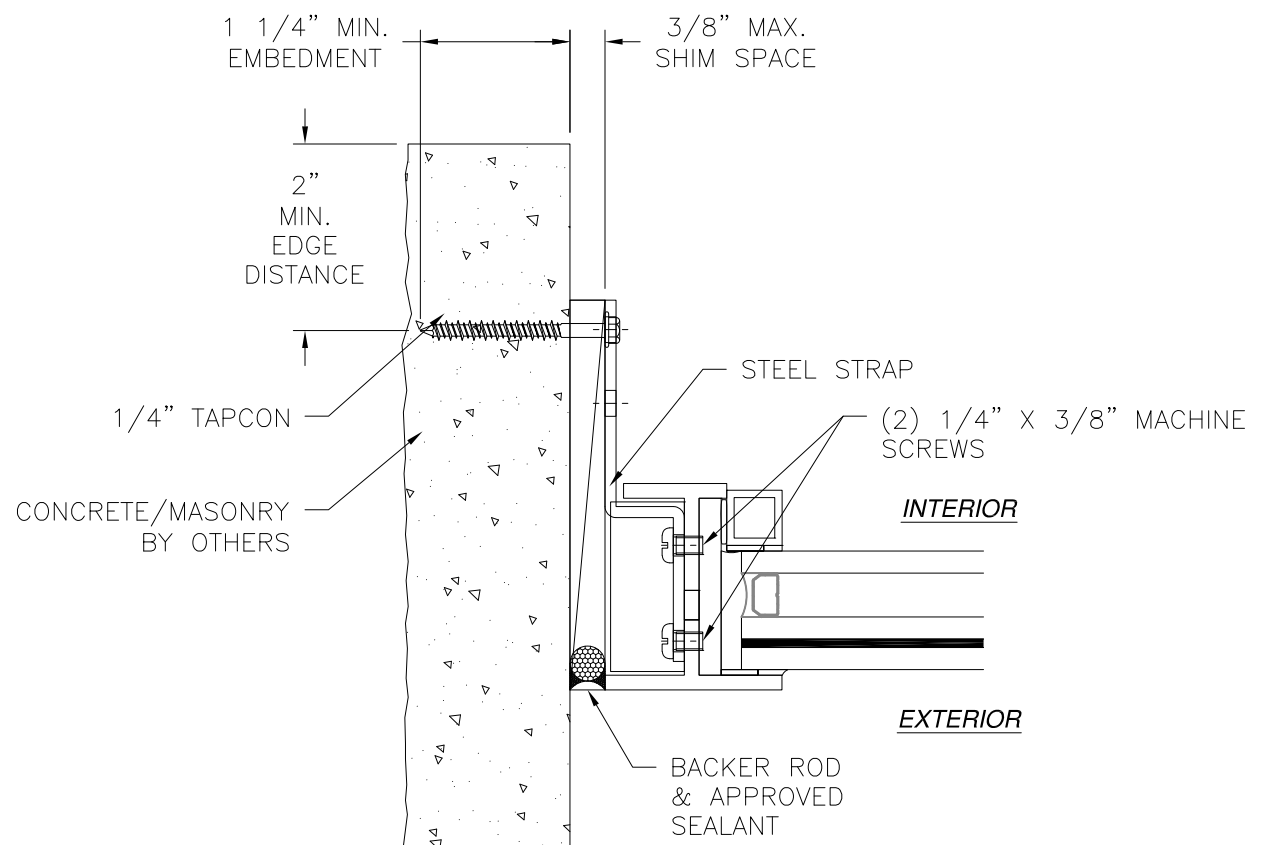
FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 10 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



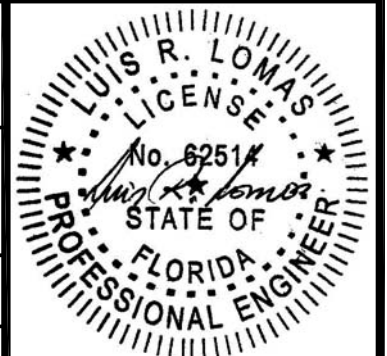
VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO JAMB
INSTALLATION DETAILS



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

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

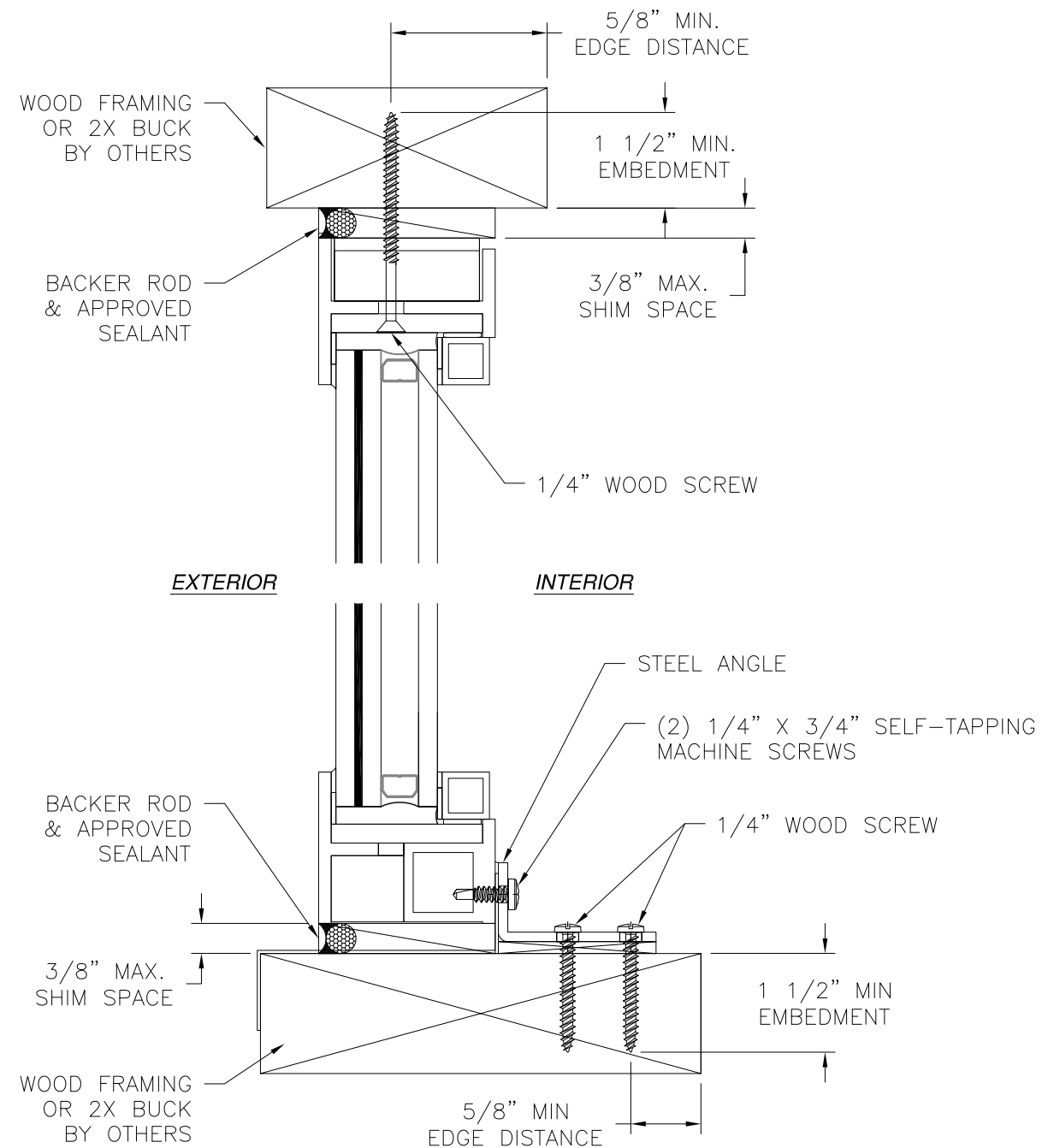
FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 11 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



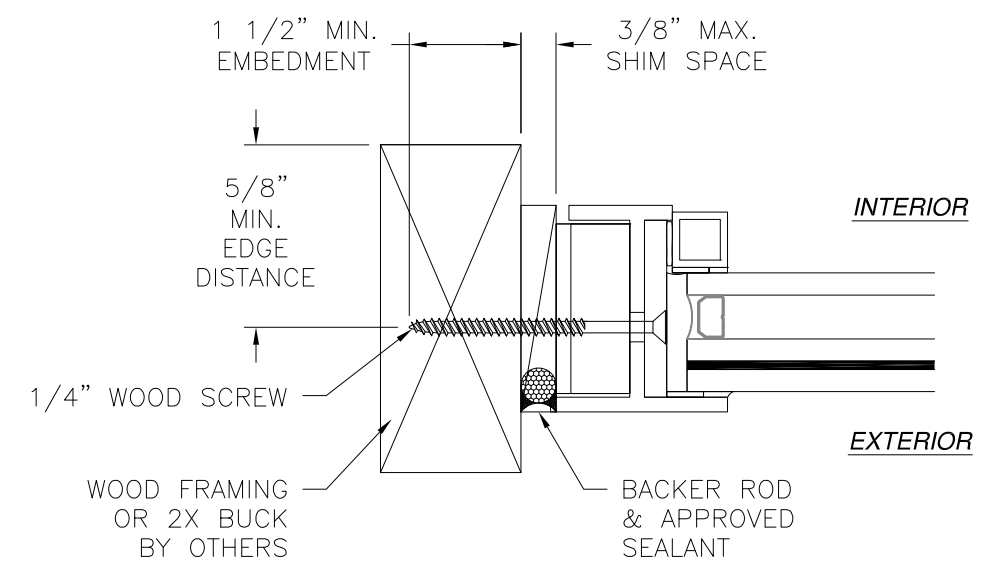
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.



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

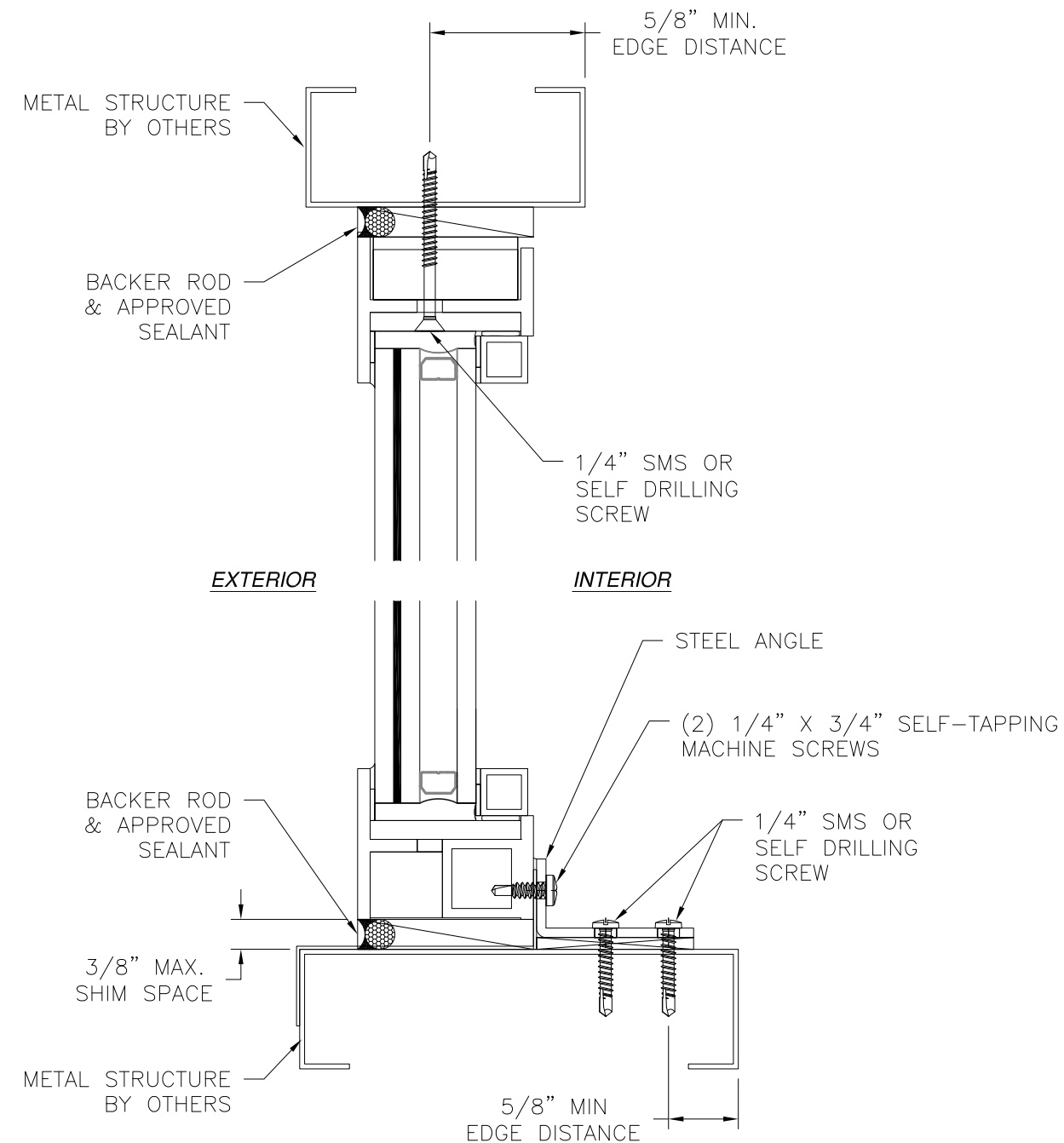
SIGNED: 01/22/2024

FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 12 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

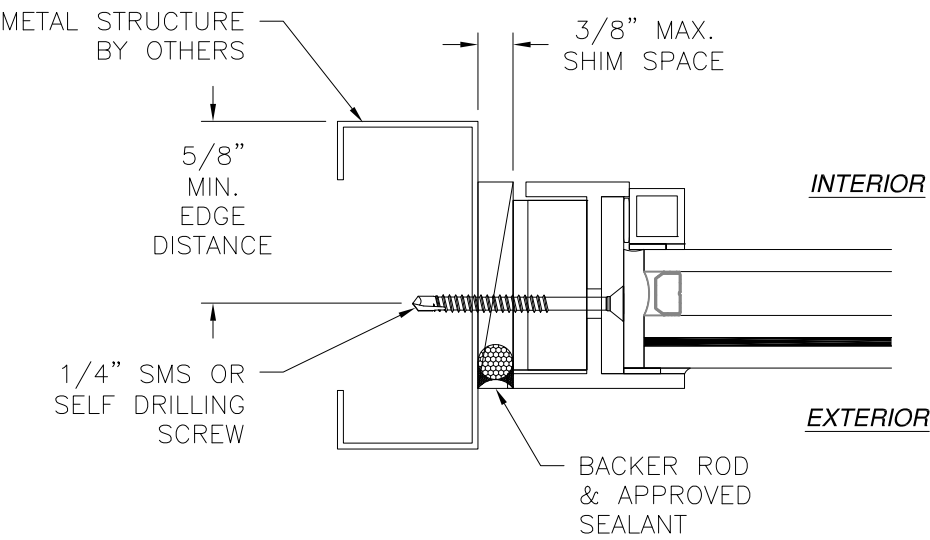
LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

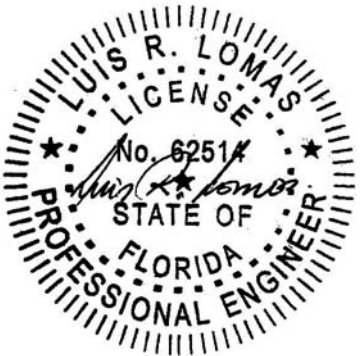


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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

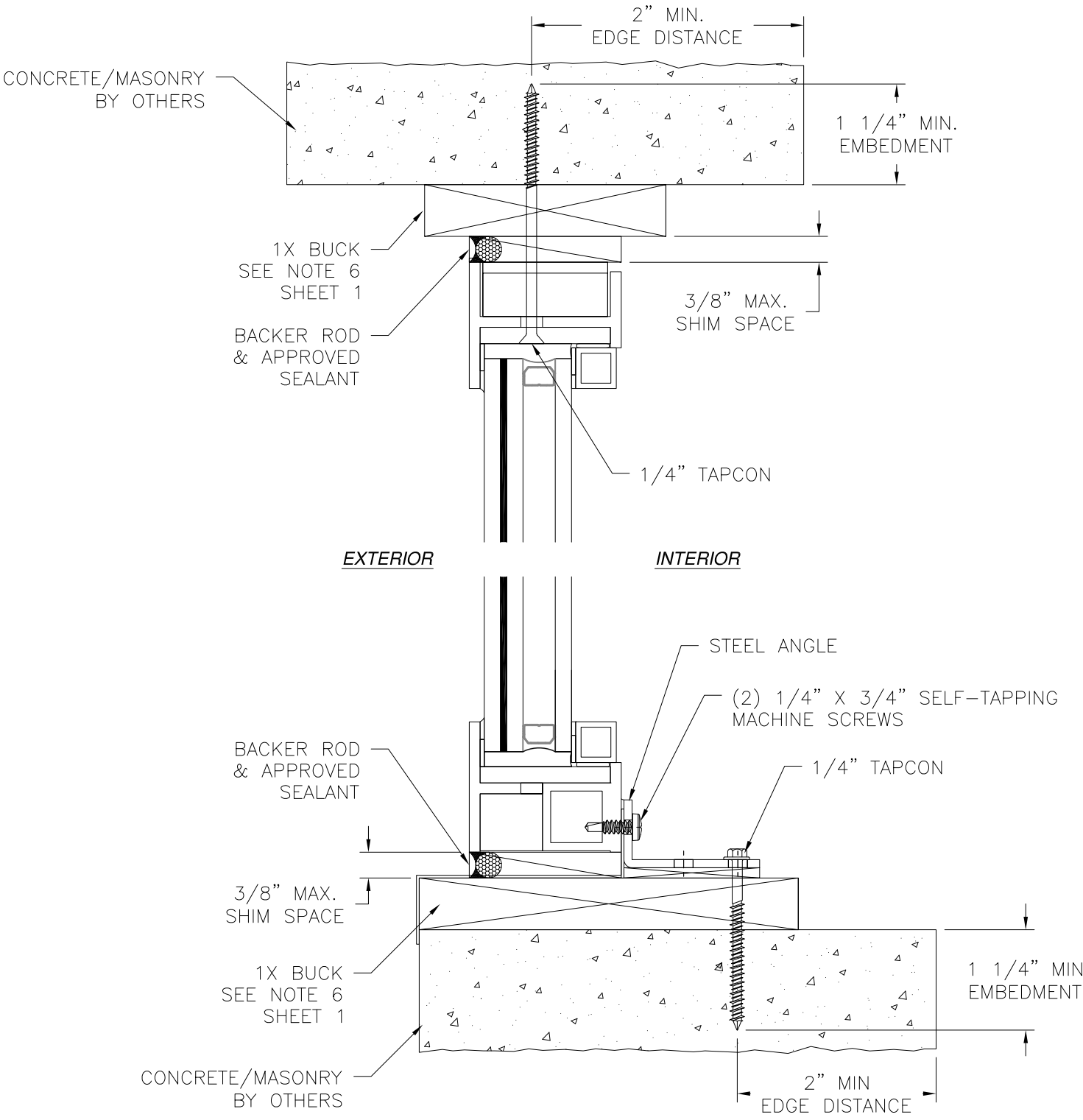
SIGNED: 01/22/2024

FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 13 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

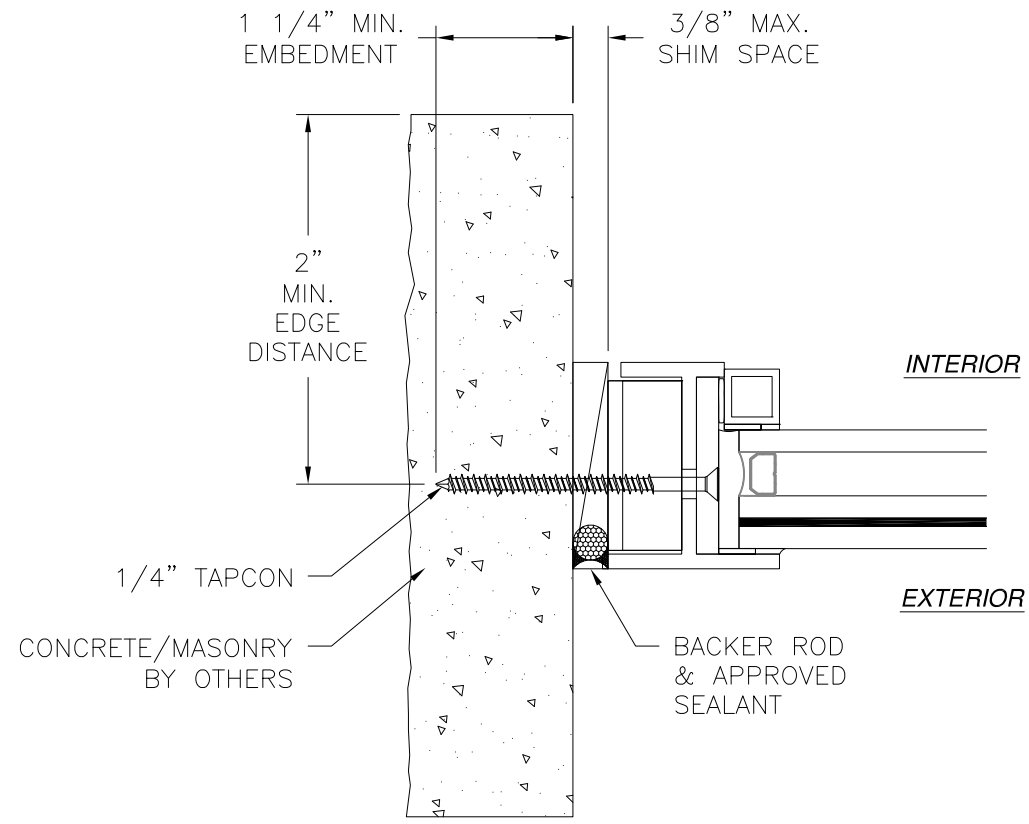


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.



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



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

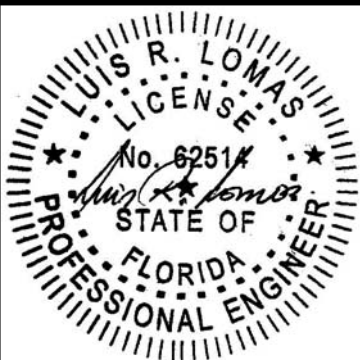
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

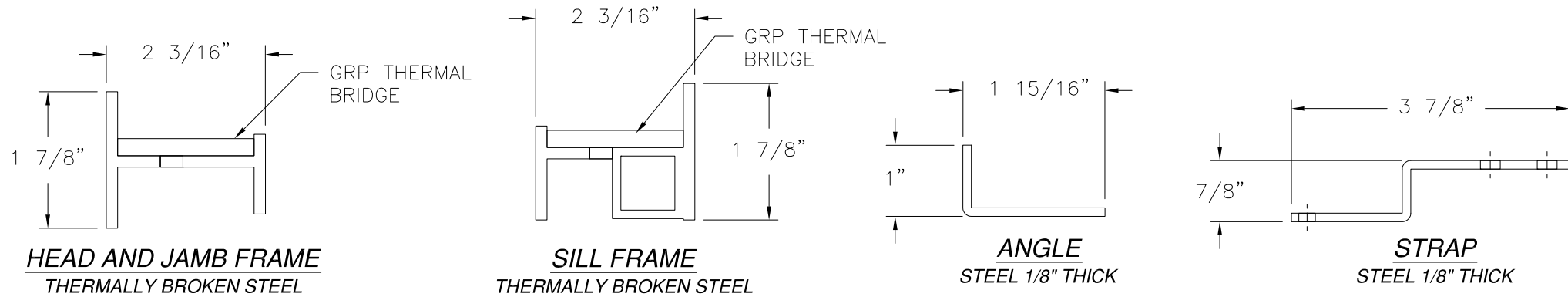
SIGNED: 01/22/2024

FENESTAR USA LLC 110 JABEZ ST., SUITE 309 NEWARK, NJ 07105		
FS-1000I FIXED WINDOW HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03936	REV A
SCALE NTS	DATE 03/27/2023	SHEET 14 OF 15
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

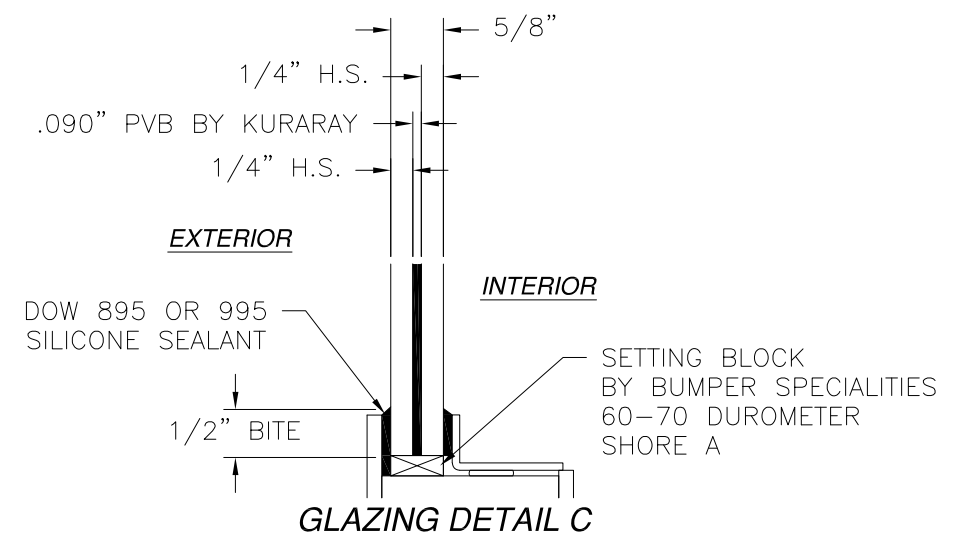
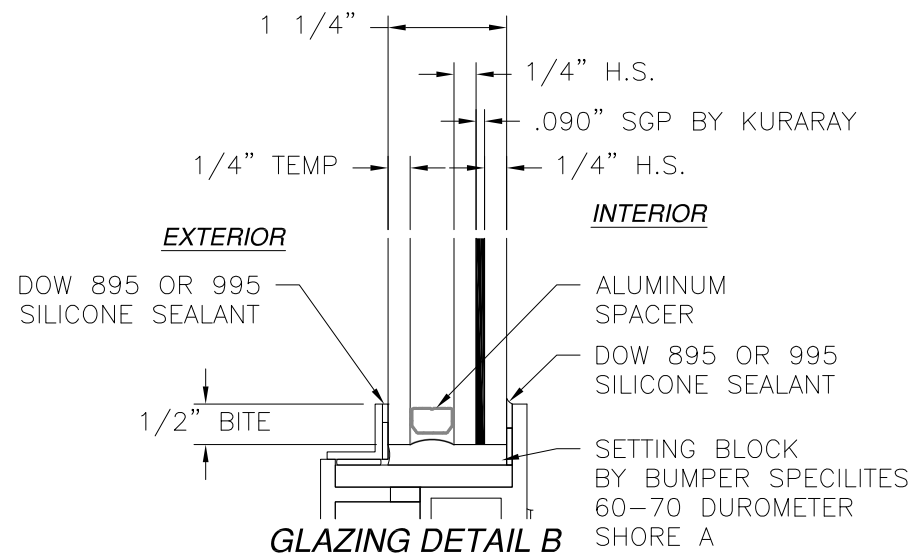
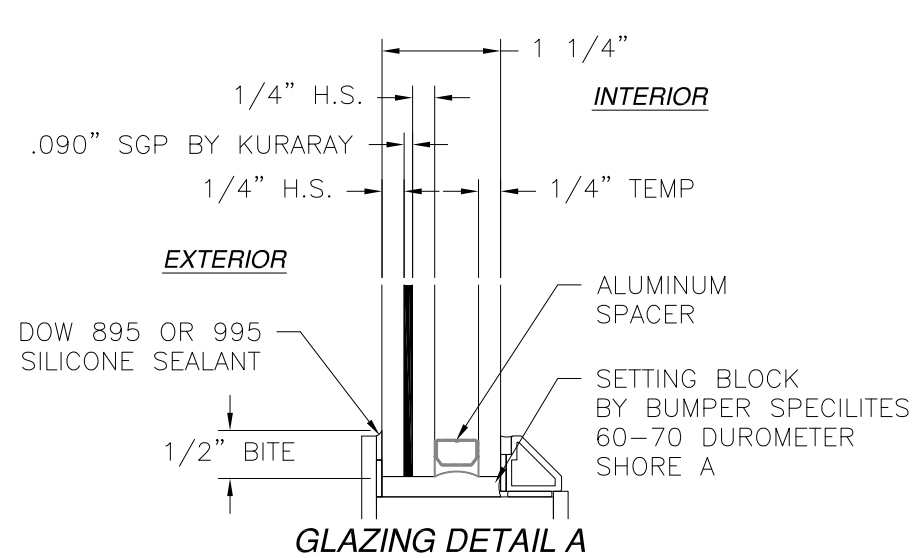
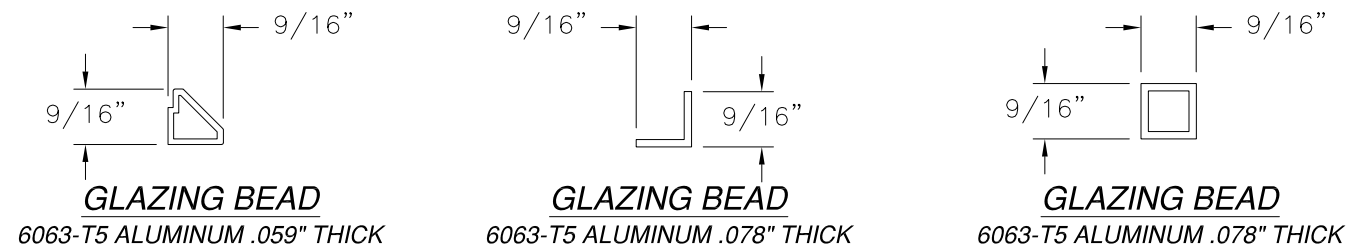
LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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





REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED GLASS C	10/23/23	R.L.



SIGNED: 01/22/2024

FENESTAR USA LLC
110 JABEZ ST., SUITE 309
NEWARK, NJ 07105

FS-1000I FIXED WINDOW
HVHZ
COMPONENTS

DRAWN: A.R.

DWG NO. 08-03936

REV A

SCALE NTS

DATE 03/27/2023

SHEET 15 OF 15

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@rlomaspe.com

LUIS R. LOMAS

LICENS. M.C.

No. 62514

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514