

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
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" 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 NEEDED 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.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FIN INTO METAL STRUCTURE USE #8 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.
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 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 3/4" 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:
 - A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - C. MASONRY: GROUT/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
20. APPROVED CONFIGURATIONS: XOOX, XOX, XOO, OOX, OXO, OX AND XO.

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6	COMPONENTS
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KRESTMARK INDUSTRIES, L.P.

3950 BASTILLE RD., SUITE 100
DALLAS, TX 75212

800 SGD OXXO, REINFORCED
NON-IMPACT
NOTES

DRAWN:
R.L.

DWG NO.
08-04133

REV
-

SCALE NTS

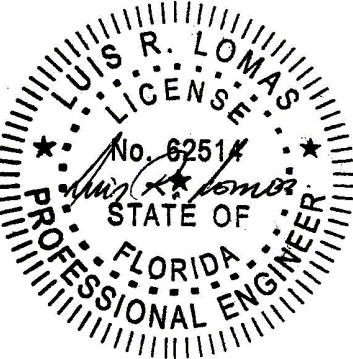
DATE 03/13/25

SHEET 1 OF 12

L. ROBERTO LOMAS P.E.

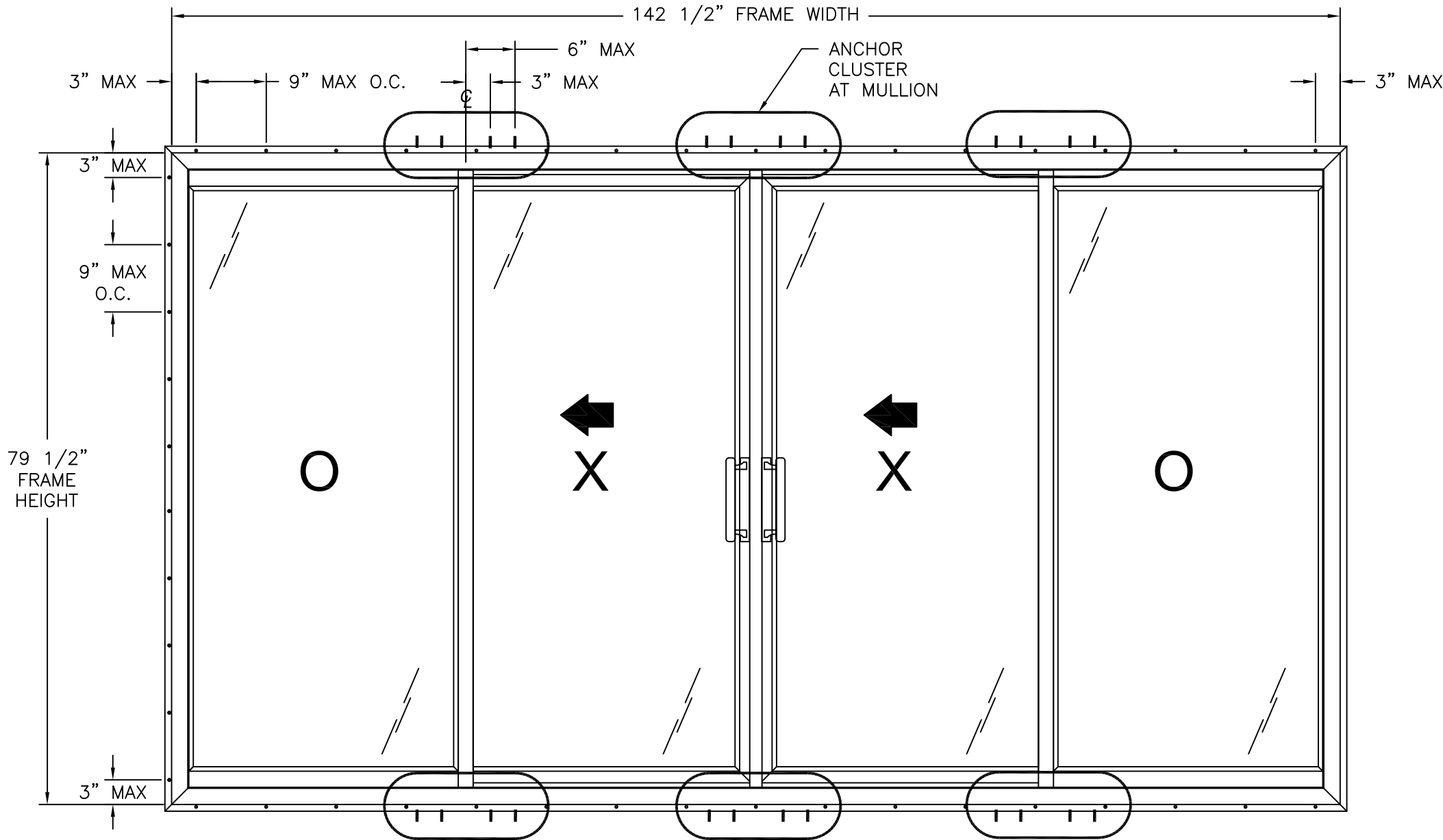
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 04/21/2025



Luis R. Lomas P.E.

FL No.: 62514



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

SASH SIZE: 33 3/8" X 76 1/2"
D.L.O.: 31 3/4" X 71 3/4"

800 SGD
EXTERIOR VIEW
REINFORCED

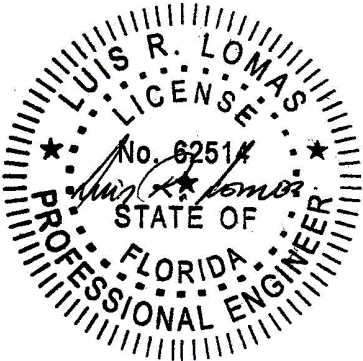
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+30.0/-40.0PSF	NONE

FOR ADDITIONAL SIZES SEE CHART #1 SHEET 5

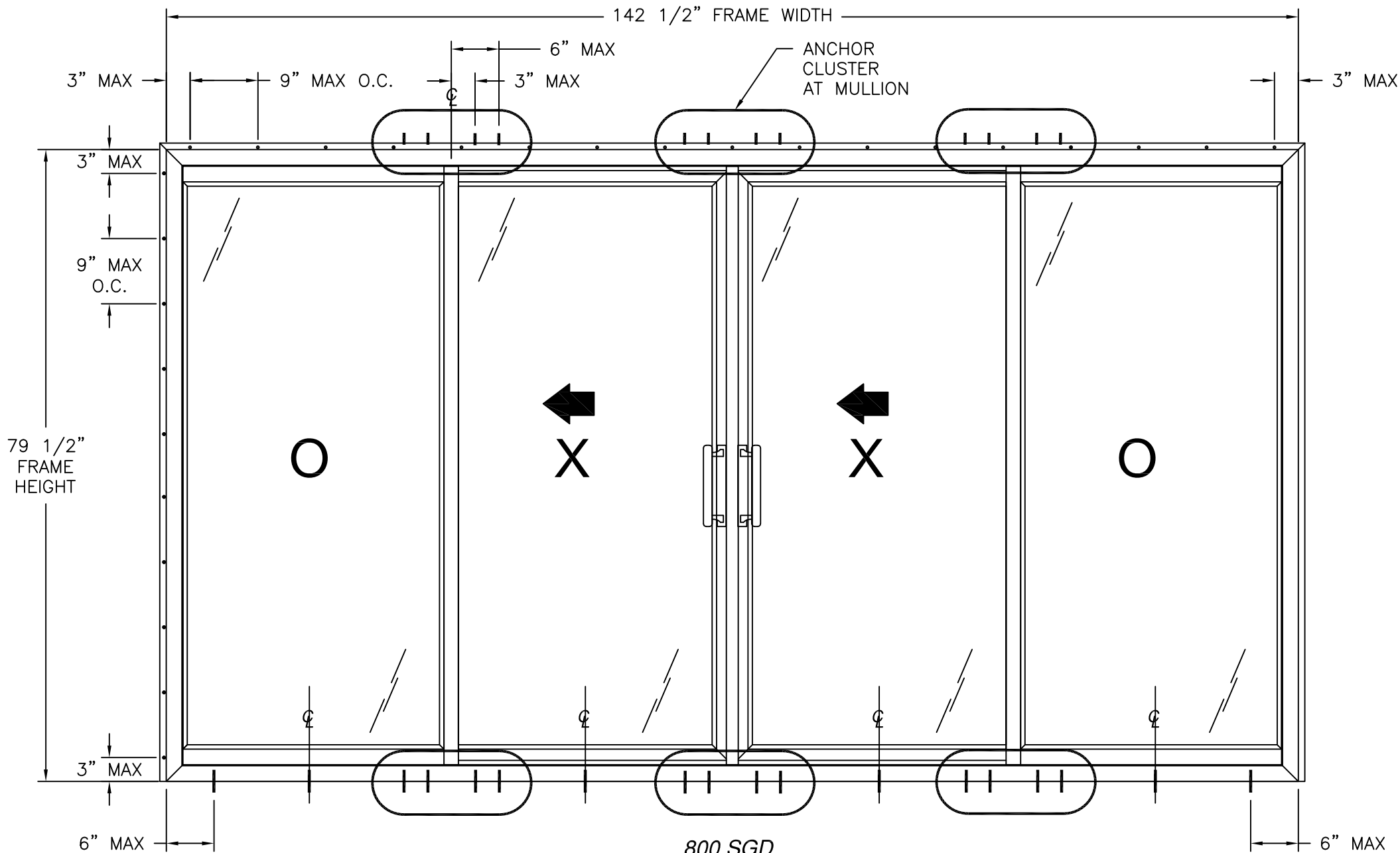
SIGNED: 04/21/2025

HARDWARE SCHEDULE	
A.	(1) HANDLE/LOCK ASSY WITH MORTISE LOCK AND KEEPER AT LOCK STILE
B.	(2) DUAL STEEL ROLLER ASSEMBLY AT EACH END OF BOTTOM RAIL
C.	STEEL REINFORCEMENT (RFPD34SOM) AT FIXED MEETING STILES
D.	STEEL REINFORCEMENT (RFPD03SOM) AT LOCK STILES
E.	STEEL REINFORCEMENT (RFPD24SOM) AT INTERLOCK STILES
F.	STEEL REINFORCEMENT (RFPD39SOM) AT ASTRAGAL

KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
800 SGD OXXO, REINFORCED NON-IMPACT ELEVATIONS		
DRAWN: R.L.	DWG NO. 08-04133	REV -
SCALE NTS	DATE 03/13/25	SHEET 2 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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DESIGN PRESSURE RATING	IMPACT RATING
+30.0/-40.0PSF	NONE

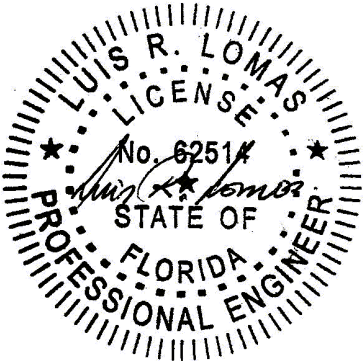
FOR ADDITIONAL SIZES SEE CHART #1 SHEET 5

HARDWARE SCHEDULE	
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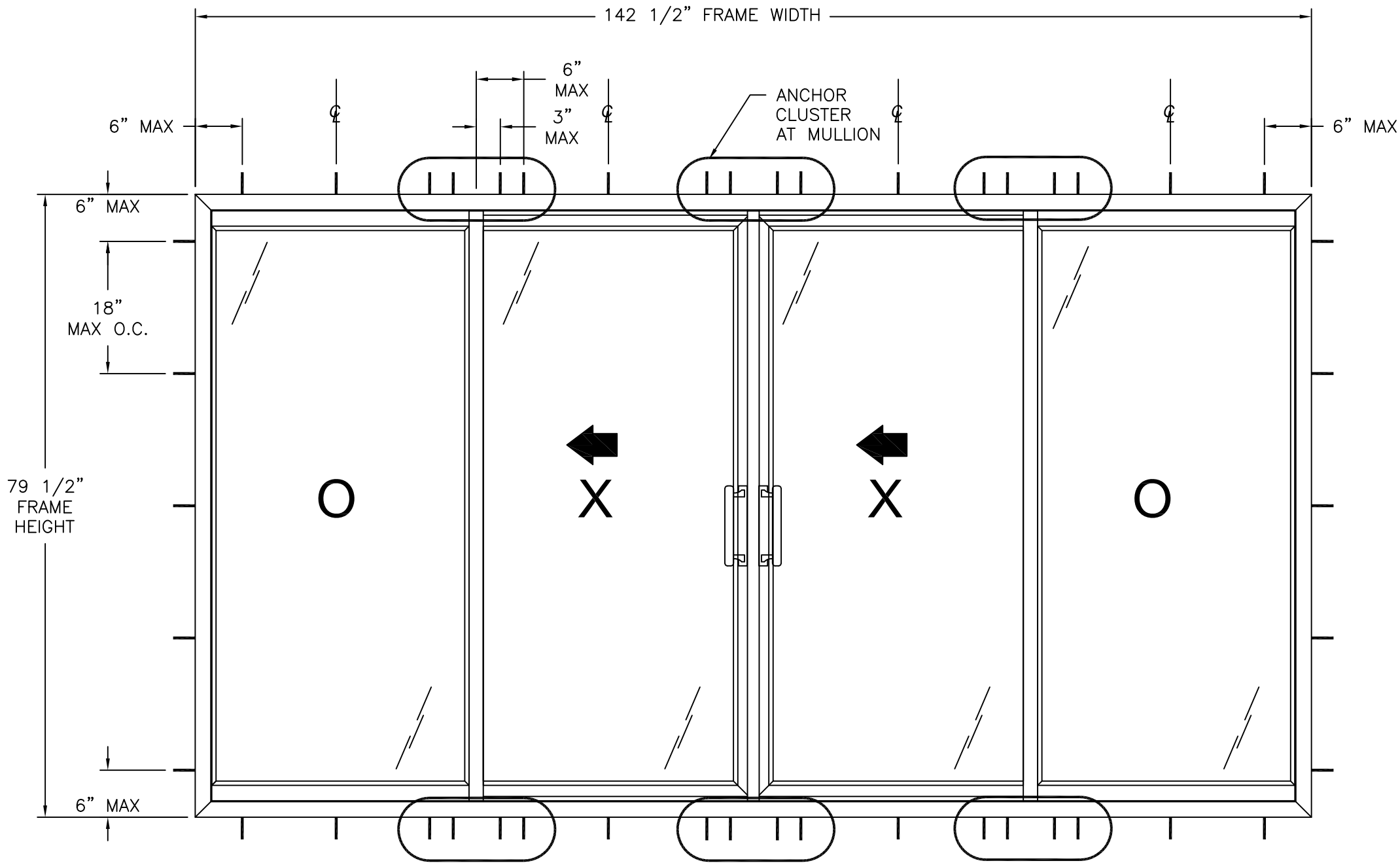
SASH SIZE: 33 3/8" X 76 1/2"
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KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
800 SGD OXXO, REINFORCED NON-IMPACT ELEVATIONS		
DRAWN: R.L.	DWG NO. 08-04133	REV -
SCALE NTS	DATE 03/13/25	SHEET 3 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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D.L.O.: 31 3/4" X 71 3/4"

800 SGD
EXTERIOR VIEW
REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
+30.0/-40.0PSF	NONE

FOR ADDITIONAL SIZES SEE CHART #1 SHEET 5

HARDWARE SCHEDULE	
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KRESTMARK INDUSTRIES, L.P.
3950 BASTILLE RD., SUITE 100
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ELEVATIONS

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SHEET
4 OF 12

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

SIGNED: 04/21/2025

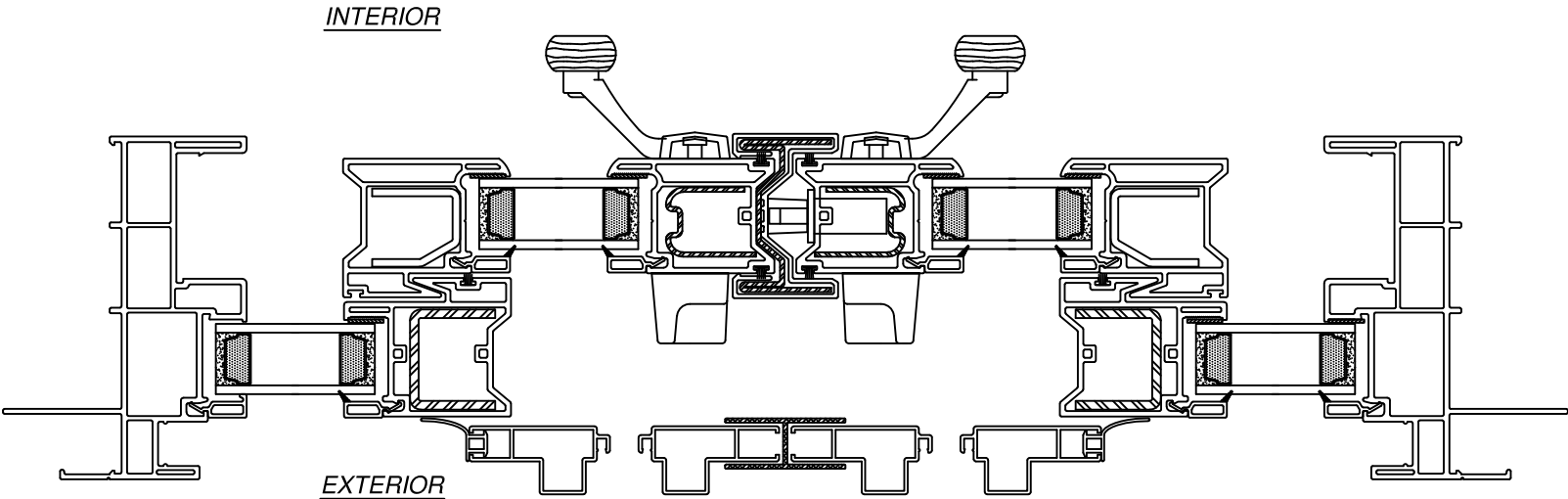
LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

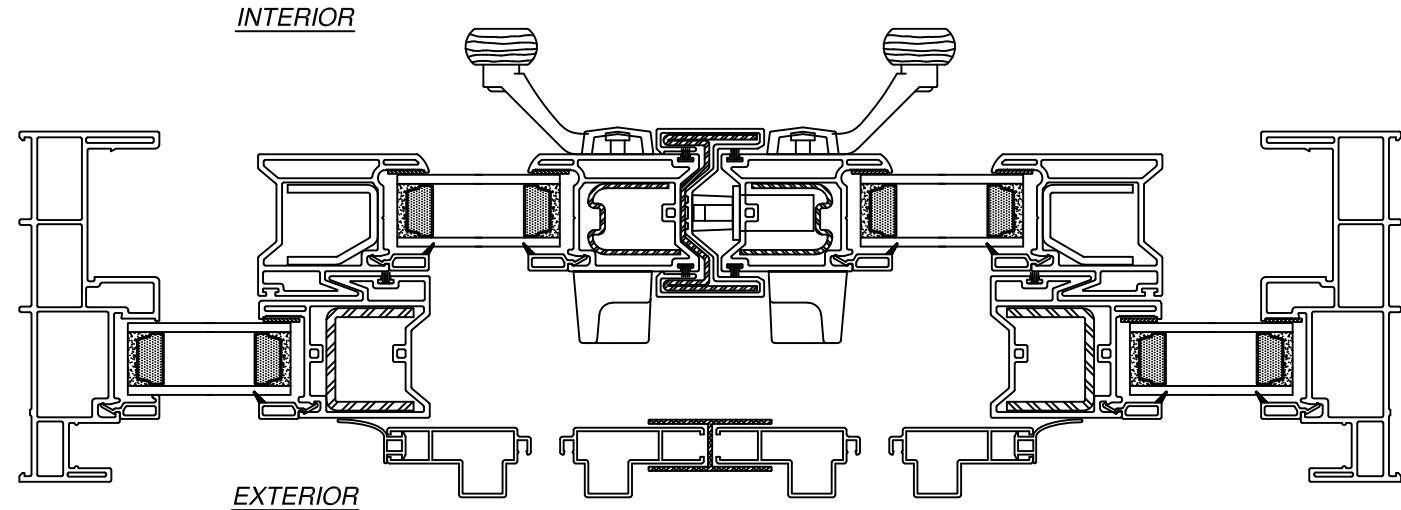
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Chart #1
Rating (psf)

Frame Height (in)	Frame Width (in)											
	84.00		96.00		108.00		120.00		132.00		142.50	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
36.00	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0
42.00	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0
48.00	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0
54.00	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0	30.0	58.9
60.00	30.0	60.0	30.0	60.0	30.0	60.0	30.0	60.0	30.0	57.2	30.0	53.0
66.00	30.0	60.0	30.0	60.0	30.0	60.0	30.0	57.2	30.0	52.0	30.0	48.2
72.00	30.0	60.0	30.0	60.0	30.0	55.7	30.0	51.4	30.0	47.7	30.0	44.2
78.00	30.0	60.0	30.0	55.5	30.0	50.5	30.0	46.5	30.0	43.3	30.0	40.8
79.50	30.0	60.0	30.0	54.3	30.0	49.3	30.0	45.4	30.0	42.3	30.0	40.0



PERIMETER HORIZONTAL CROSS SECTION



FRAME HORIZONTAL CROSS SECTION

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3950 BASTILLE RD., SUITE 100
DALLAS, TX 75212

800 SGD OXXO, REINFORCED
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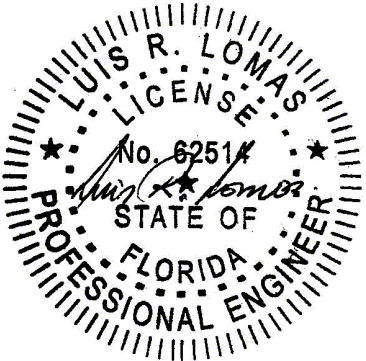
SCALE
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SHEET
5 OF 12

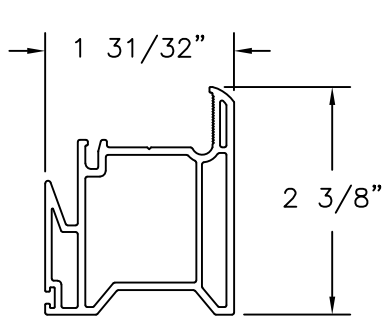
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434-688-0609 rllomas@lrlomaspe.com

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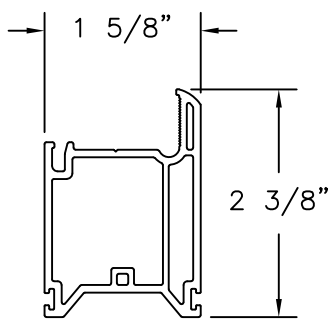


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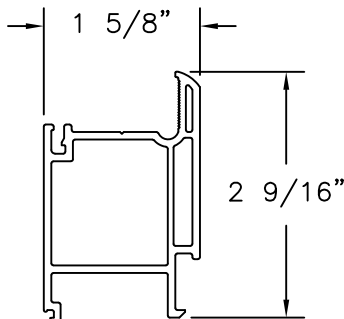
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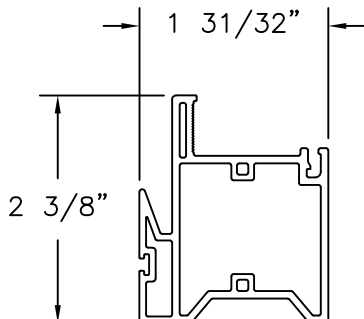
SASH INTERLOCK
RIGID PVC .079" THICK



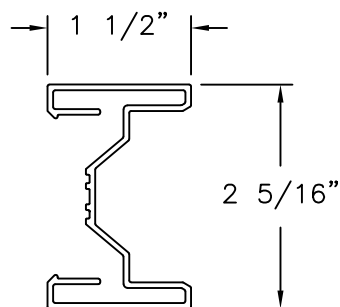
SASH STILE AND RAIL
RIGID PVC .079" THICK



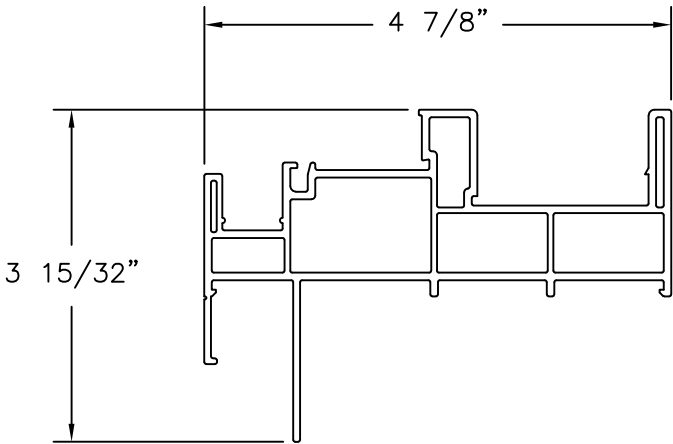
EQUAL GLASS ADAPTER
RIGID PVC .079" THICK



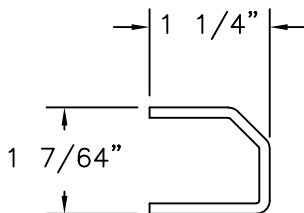
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RIGID PVC .071" THICK



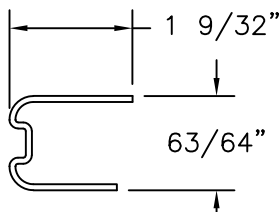
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RIGID PVC .06" THICK



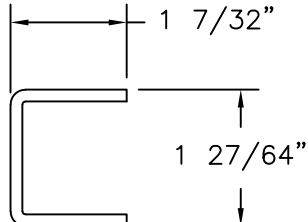
FRAME
RIGID PVC .079" THICK



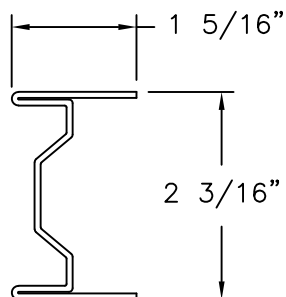
REINFORCEMENT
12GA. G90 GALVANIZED STEEL



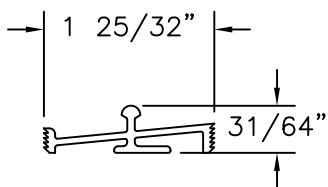
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16GA. G90 GALVANIZED STEEL



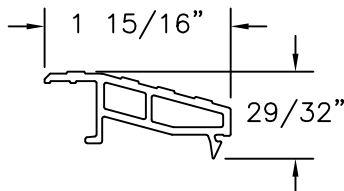
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11GA. G90 GALVANIZED STEEL



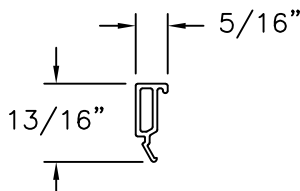
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G90 GALVANIZED STEEL .063" THICK



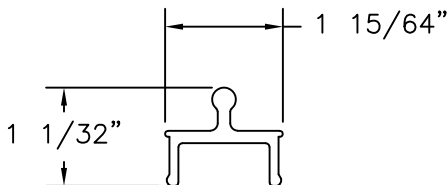
SILL TRACK
ALUMINUM 6005-T5, 6105-T5
.069" THICK



THRESHOLD
RIGID PVC .079" THICK



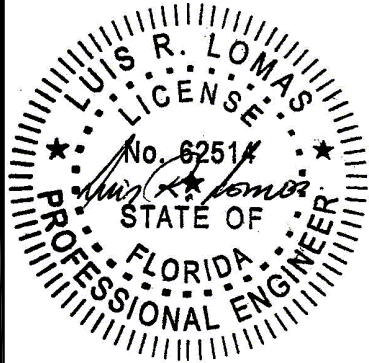
1" GLAZING BEAD
RIGID PVC .049" THICK



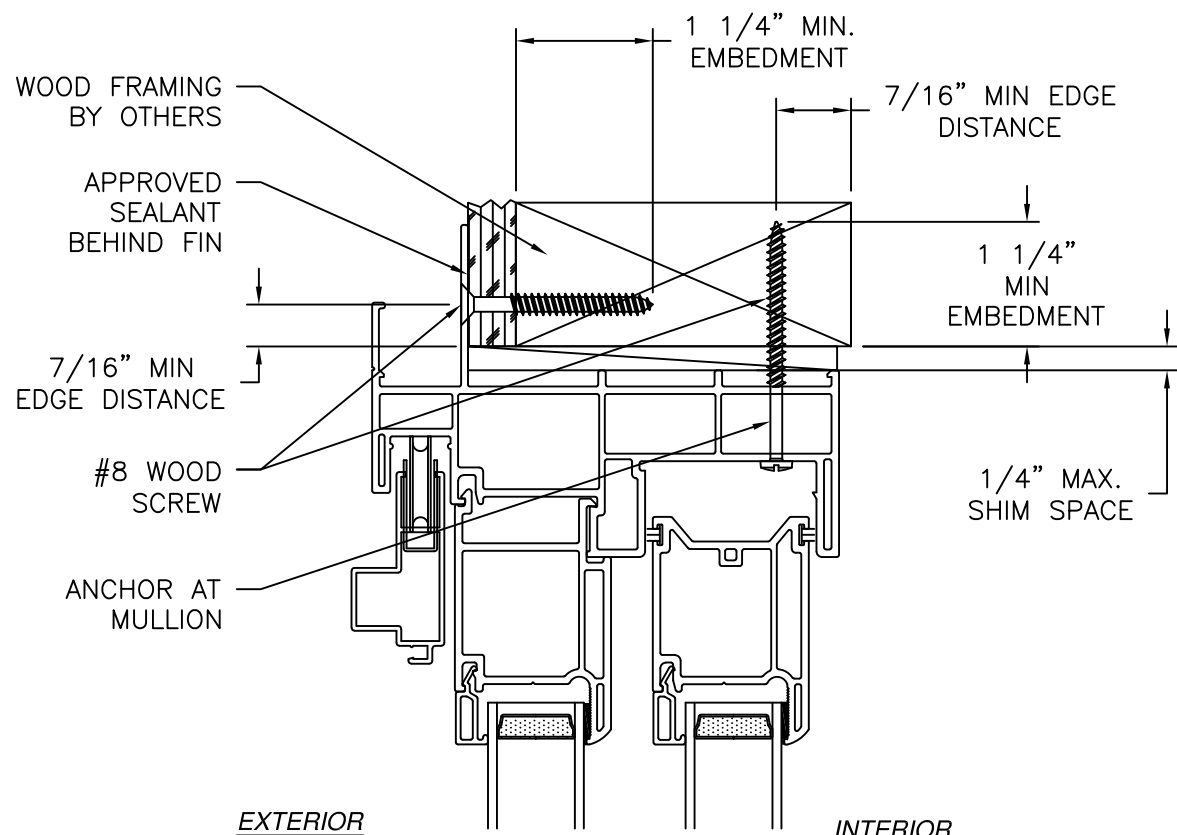
SCREEN TRACK
RIGID PVC .130" THICK

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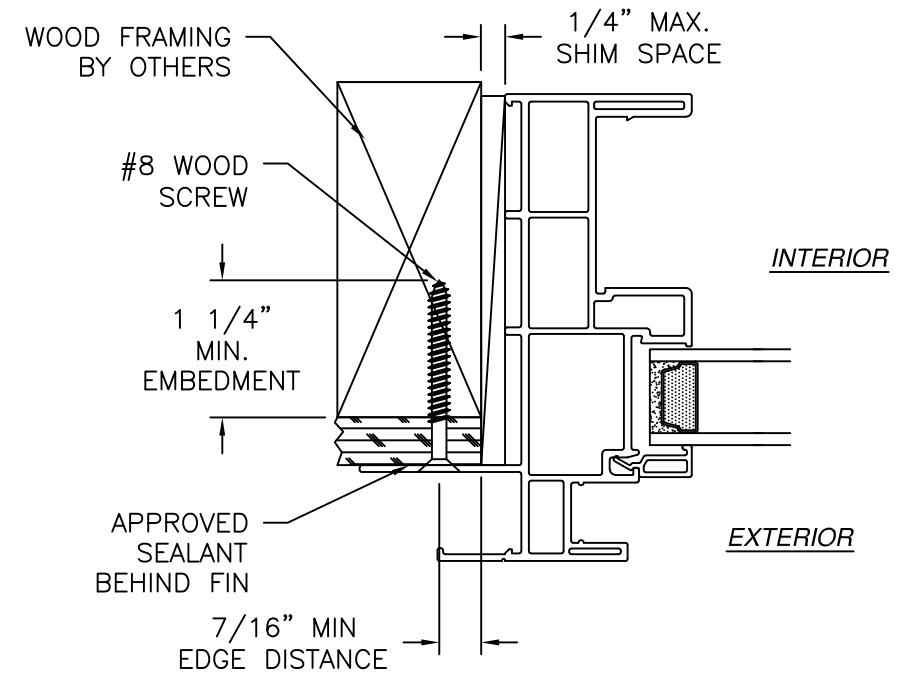
KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
800 SGD OXXO, REINFORCED NON-IMPACT COMPONENTS		
DRAWN: R.L.	DWG NO. 08-04133	REV -
SCALE NTS	DATE 03/13/25	SHEET 6 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

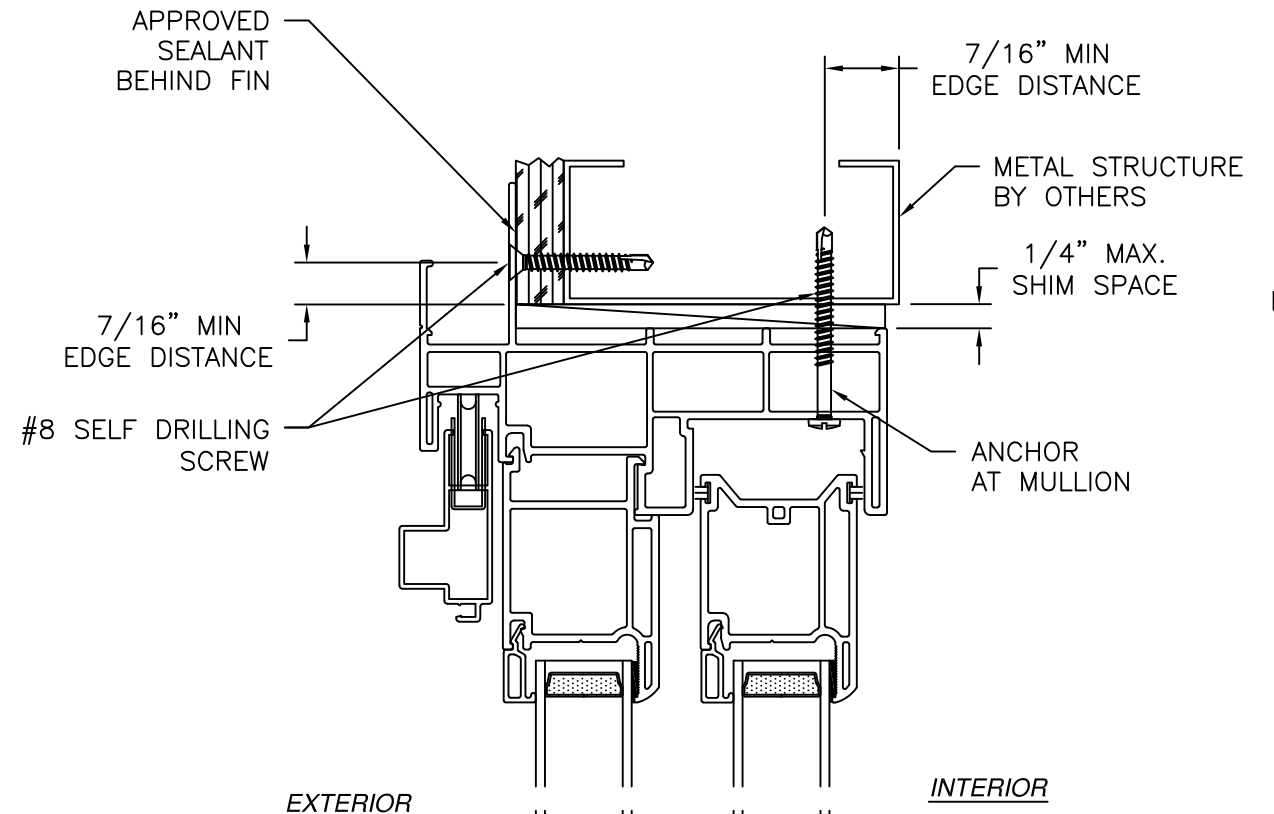
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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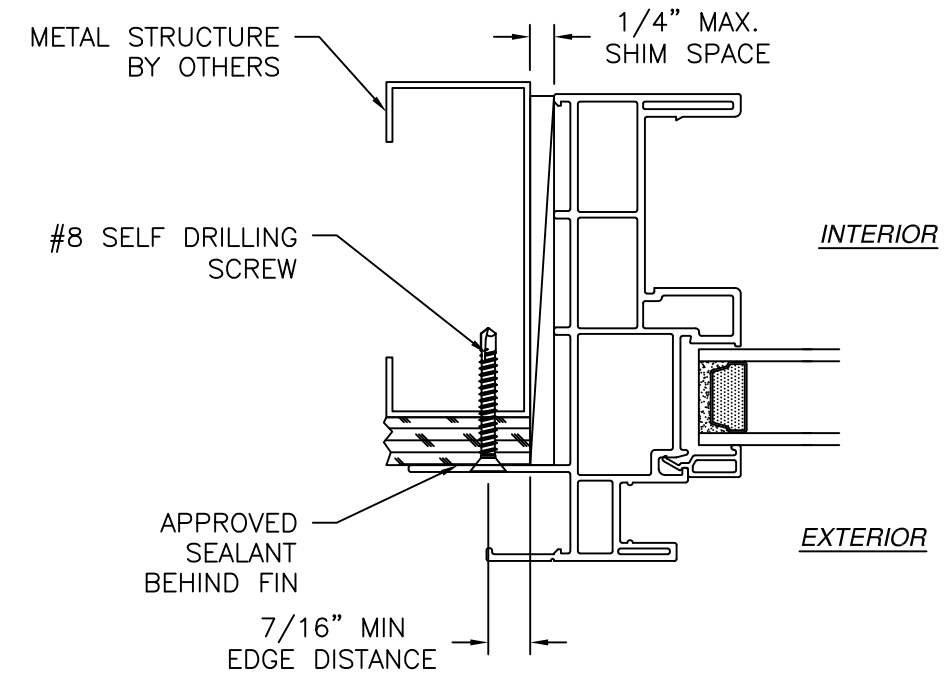
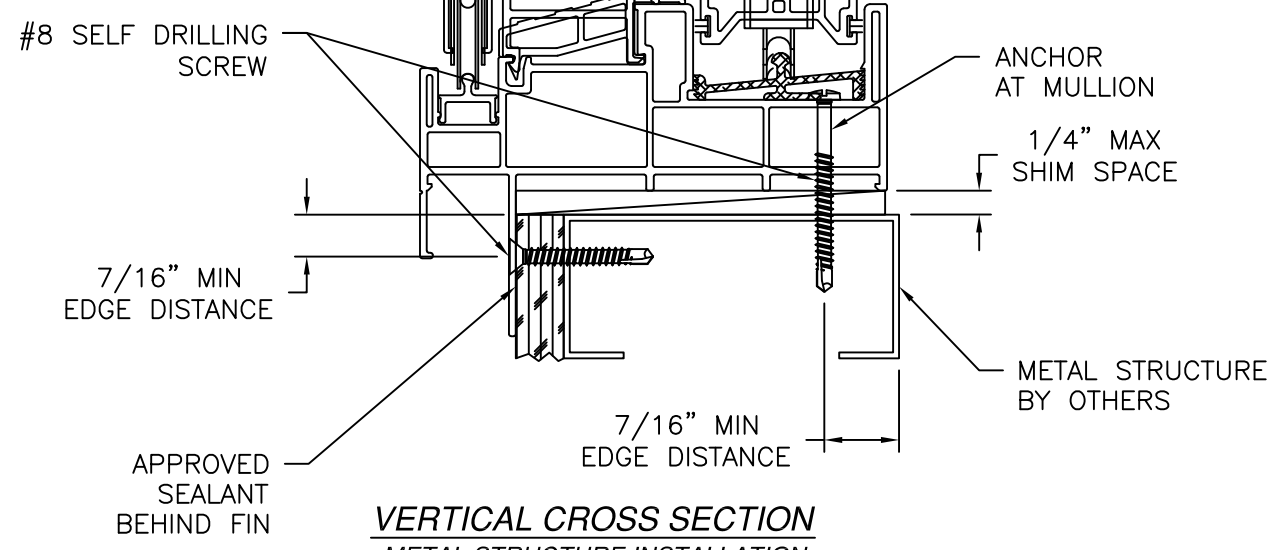
KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
800 SGD OXXO, REINFORCED NON-IMPACT PERIMETER INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-04133	REV -
SCALE NTS	DATE 03/13/25	SHEET 7 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



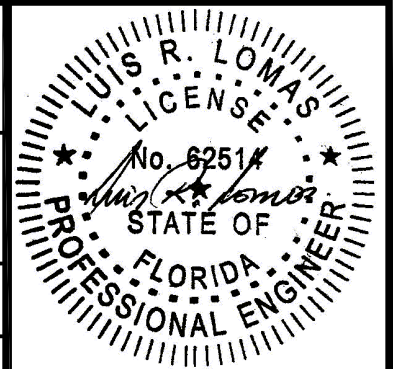
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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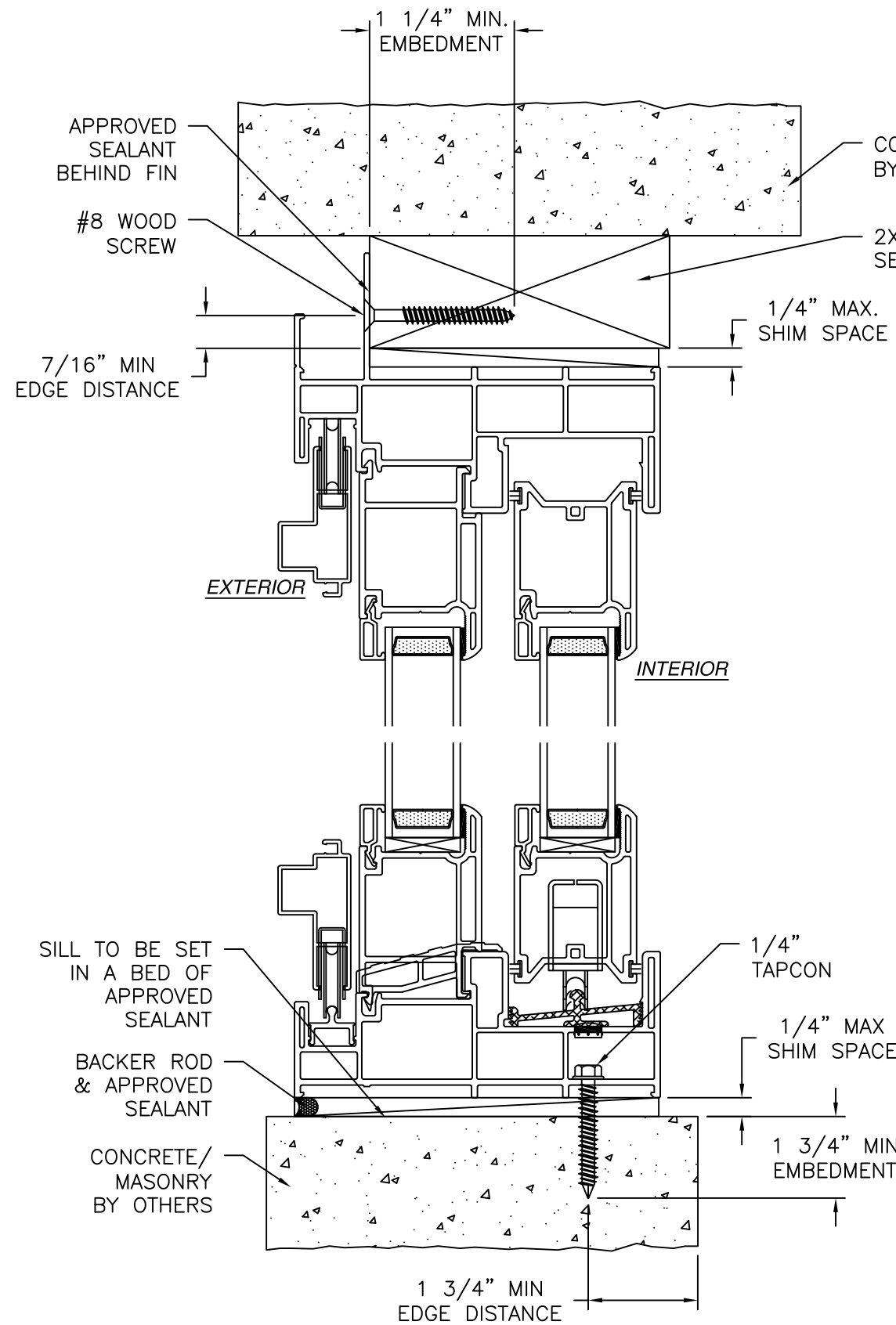
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KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
800 SGD OXXO, REINFORCED NON-IMPACT PERIMETER INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-04133	REV -
SCALE NTS	DATE 03/13/25	SHEET 8 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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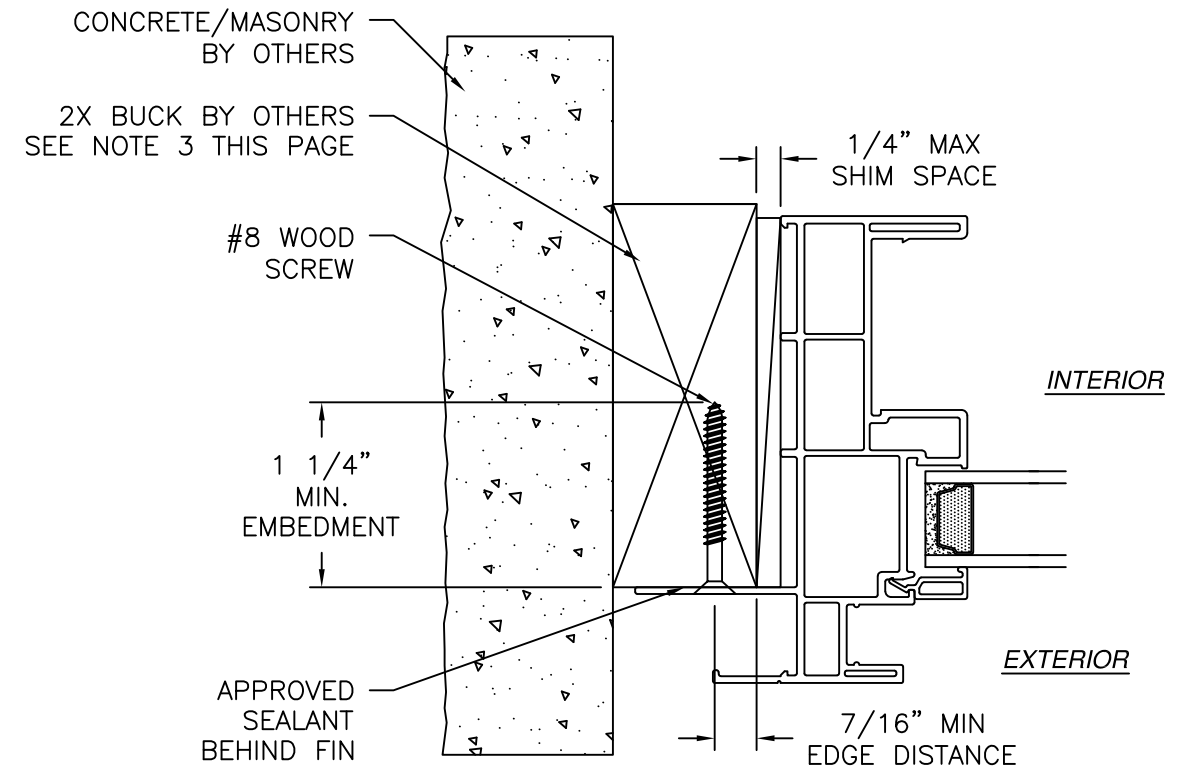


VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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
3. 2X BUCK MUST BE ANCHORED TO CONCRETE/MASONRY STRUCTURE PROPERLY IN ORDER TO TRANSFER LOADS CORRECTLY. ANCHORING SCHEME IS THE RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.

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JAMB INSTALLATION DETAIL
CONCRETE /MASONRY INSTALLATION

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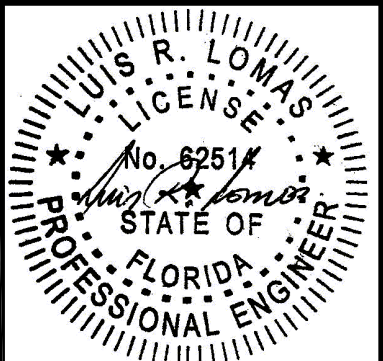
KRESTMARK INDUSTRIES, L.P.
3950 BASTILLE RD., SUITE 100
DALLAS, TX 75212

**800 SGD OXXO, REINFORCED
NON-IMPACT
PERIMETER & FRAME INSTALLATION DETAILS**

DRAWN: R.L.	DWG NO. 08-04133	REV -
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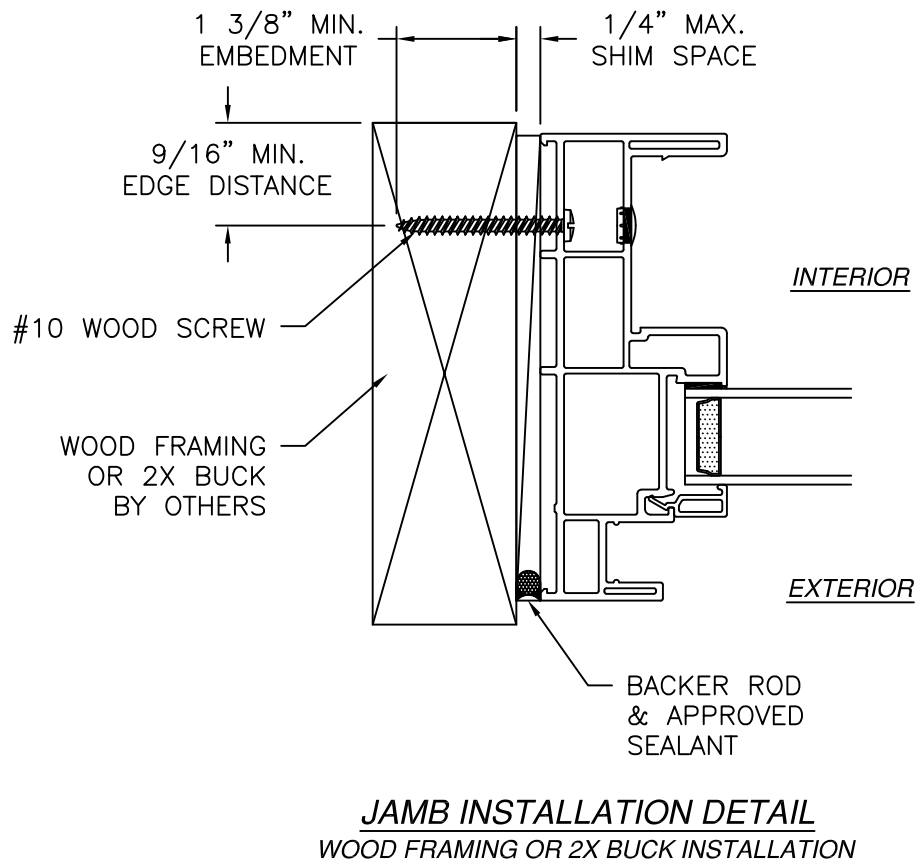
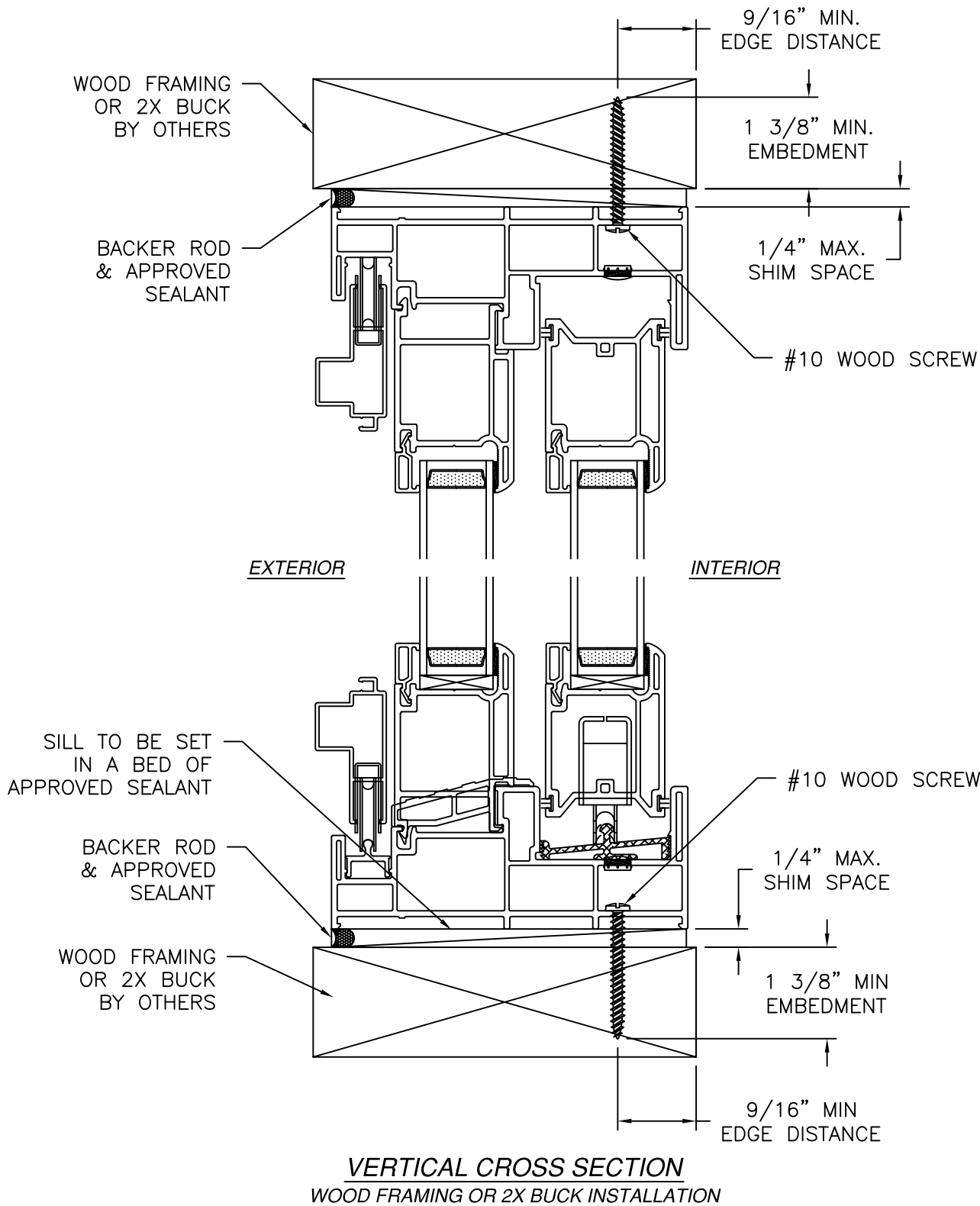
SCALE NTS	DATE 03/13/25	SHEET 9 OF 12
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L. ROBERTO LOMAS P.E.
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Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



- 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: 04/21/2025

KRESTMARK INDUSTRIES, L.P.

3950 BASTILLE RD., SUITE 100
DALLAS, TX 75212

800 SGD OXXO, REINFORCED
NON-IMPACT
FRAME INSTALLATION DETAILS

DRAWN:
R.L.

DWG NO.
08-04133

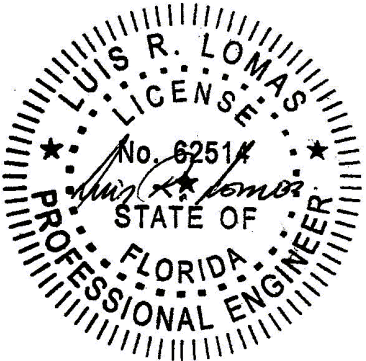
SCALE NTS

DATE 03/13/25

SHEET 10 OF 12

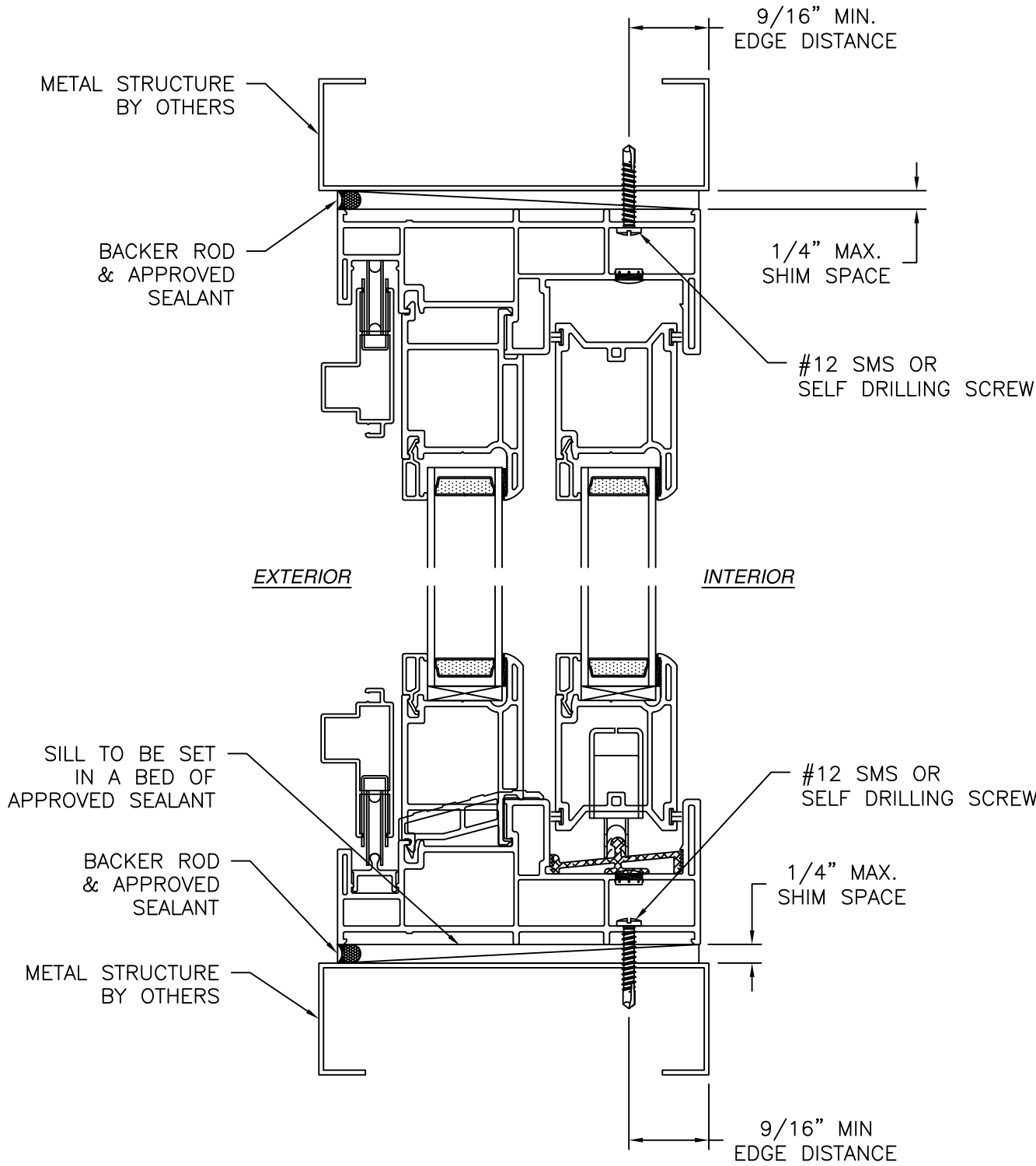
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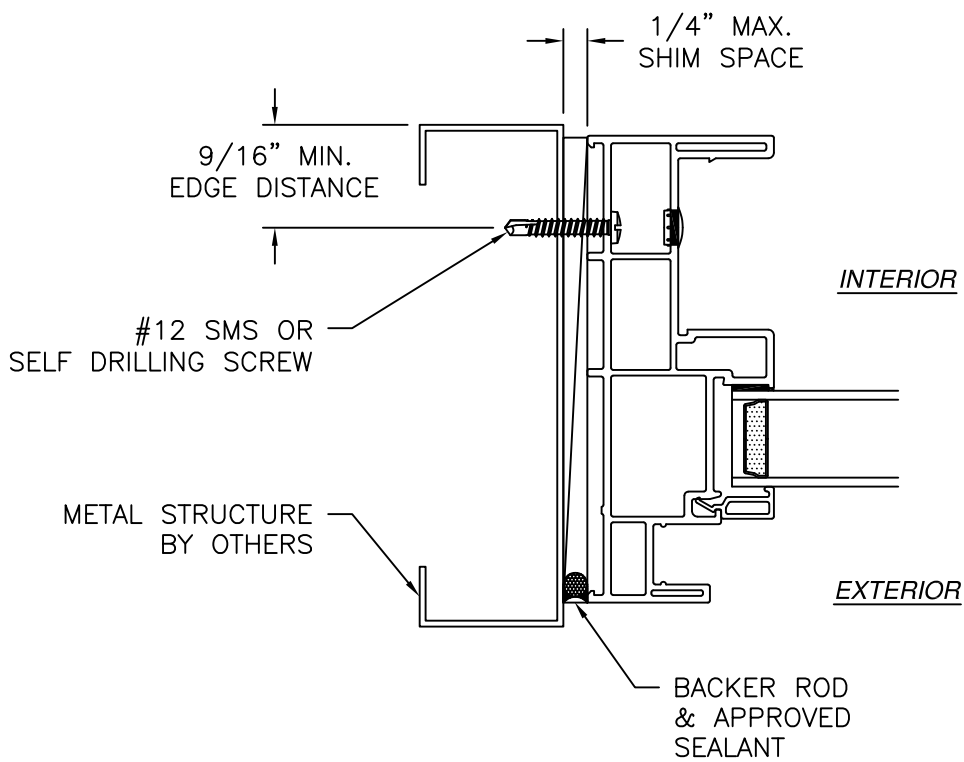


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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SIGNED: 04/21/2025

KRESTMARK INDUSTRIES, L.P.

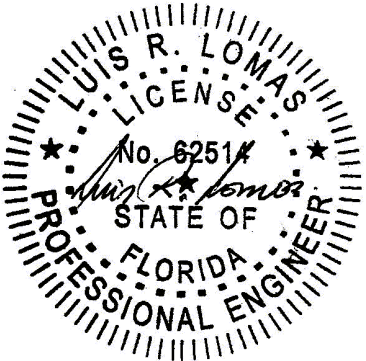
3950 BASTILLE RD., SUITE 100
DALLAS, TX 75212

800 SGD OXXO, REINFORCED
NON-IMPACT
FRAME INSTALLATION DETAILS

DRAWN: R.L.	DWG NO. 08-04133	REV -
SCALE NTS	DATE 03/13/25	SHEET 11 OF 12

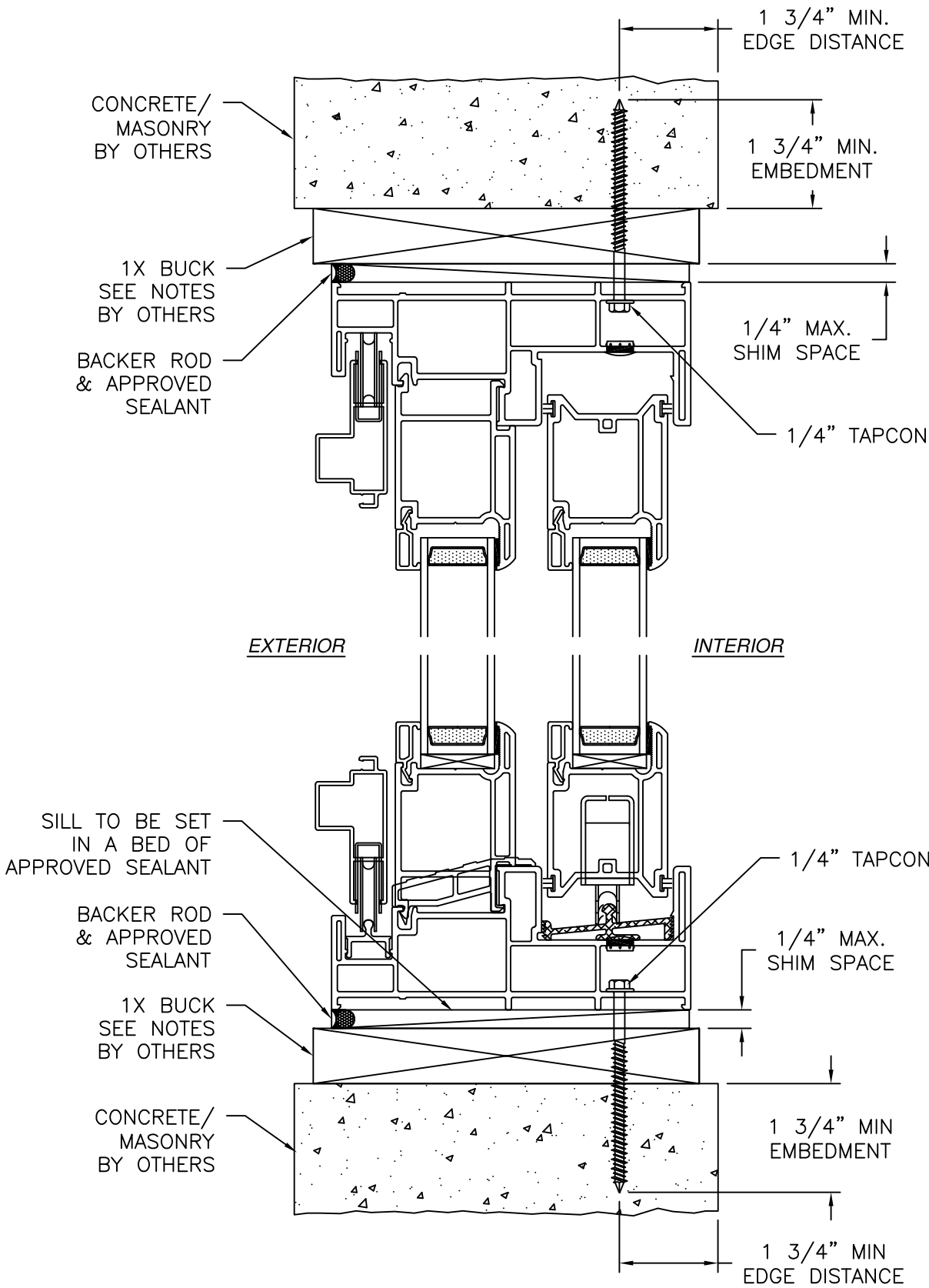
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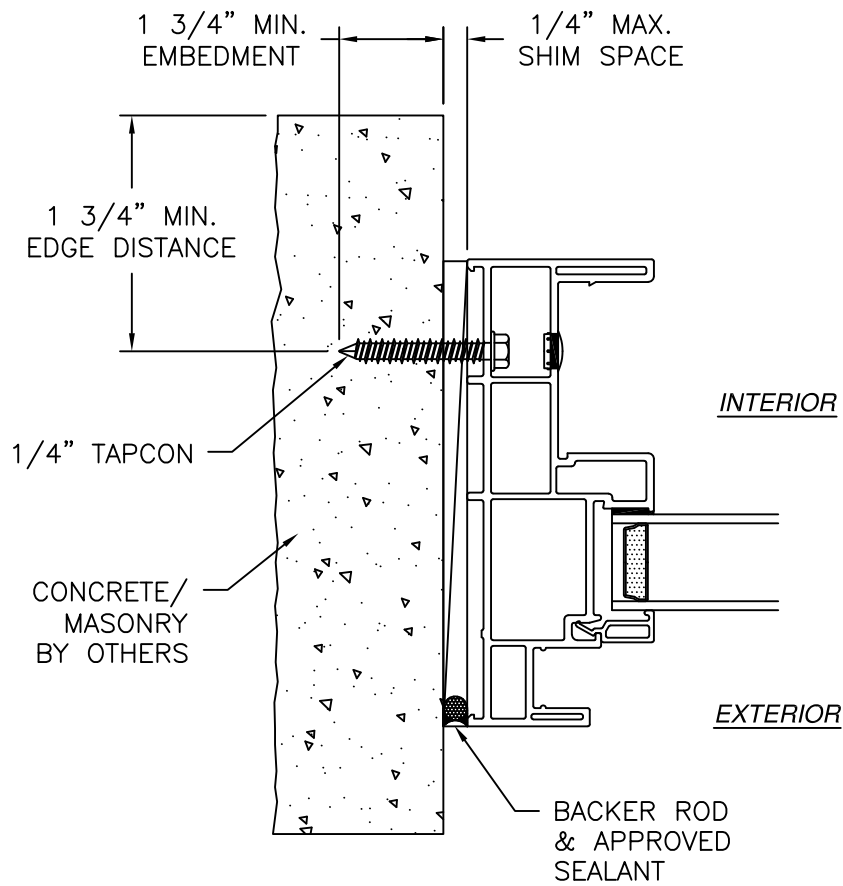


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FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



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

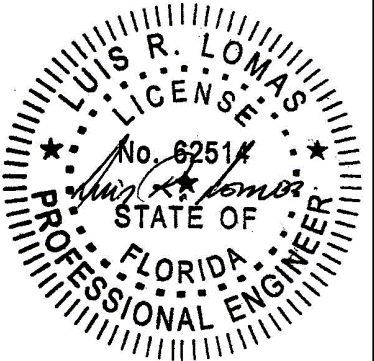


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

- NOTES:
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SIGNED: 04/21/2025

KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
800 SGD OXXO, REINFORCED NON-IMPACT FRAME INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-04133	REV -
SCALE NTS	DATE 03/13/25	SHEET 12 OF 12
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