

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 #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.

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 #10 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.

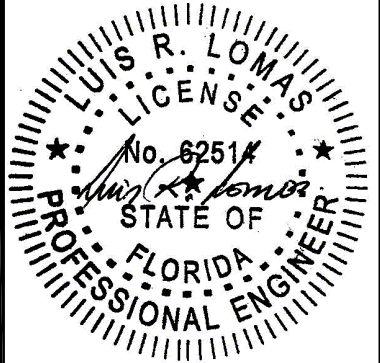
D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM

20. APPROVED CONFIGURATIONS: OX AND XO.

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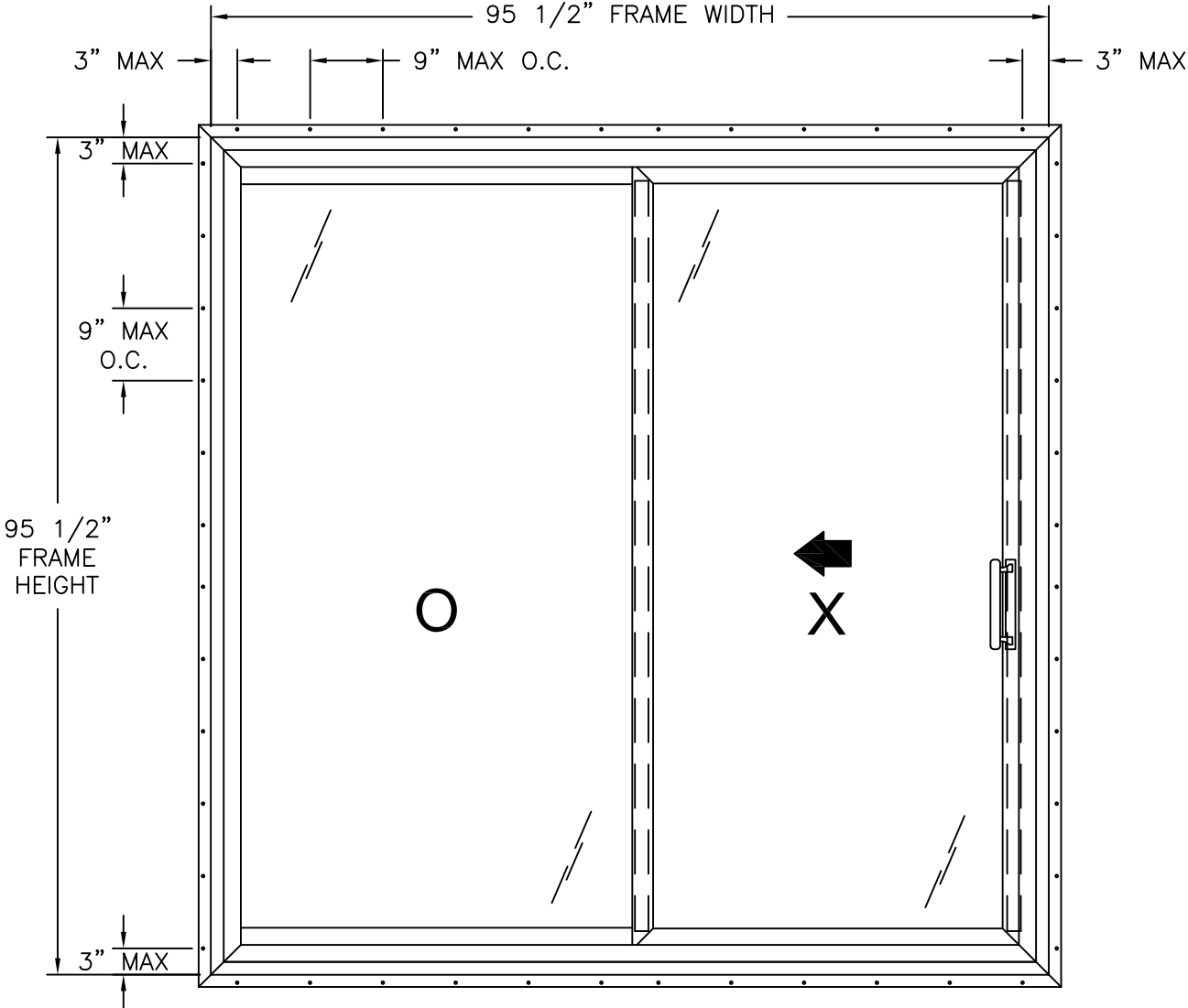
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 - 4	ELEVATIONS
5	CHART, CROSS SECTION & COMPONENTS
6 - 11	INSTALLATION DETAILS

KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
800 SGD REINFORCED NON-IMPACT NOTES		
DRAWN: R.L.	DWG NO. 08-04130	REV -
SCALE NTS	DATE 03/10/25	SHEET 1 OF 11
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

SASH SIZE: 48 3/8" X 92 3/8"
D.L.O.: 43 3/4" X 87 3/4"



800 SGD
EXTERIOR VIEW

REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±25.0PSF	NONE

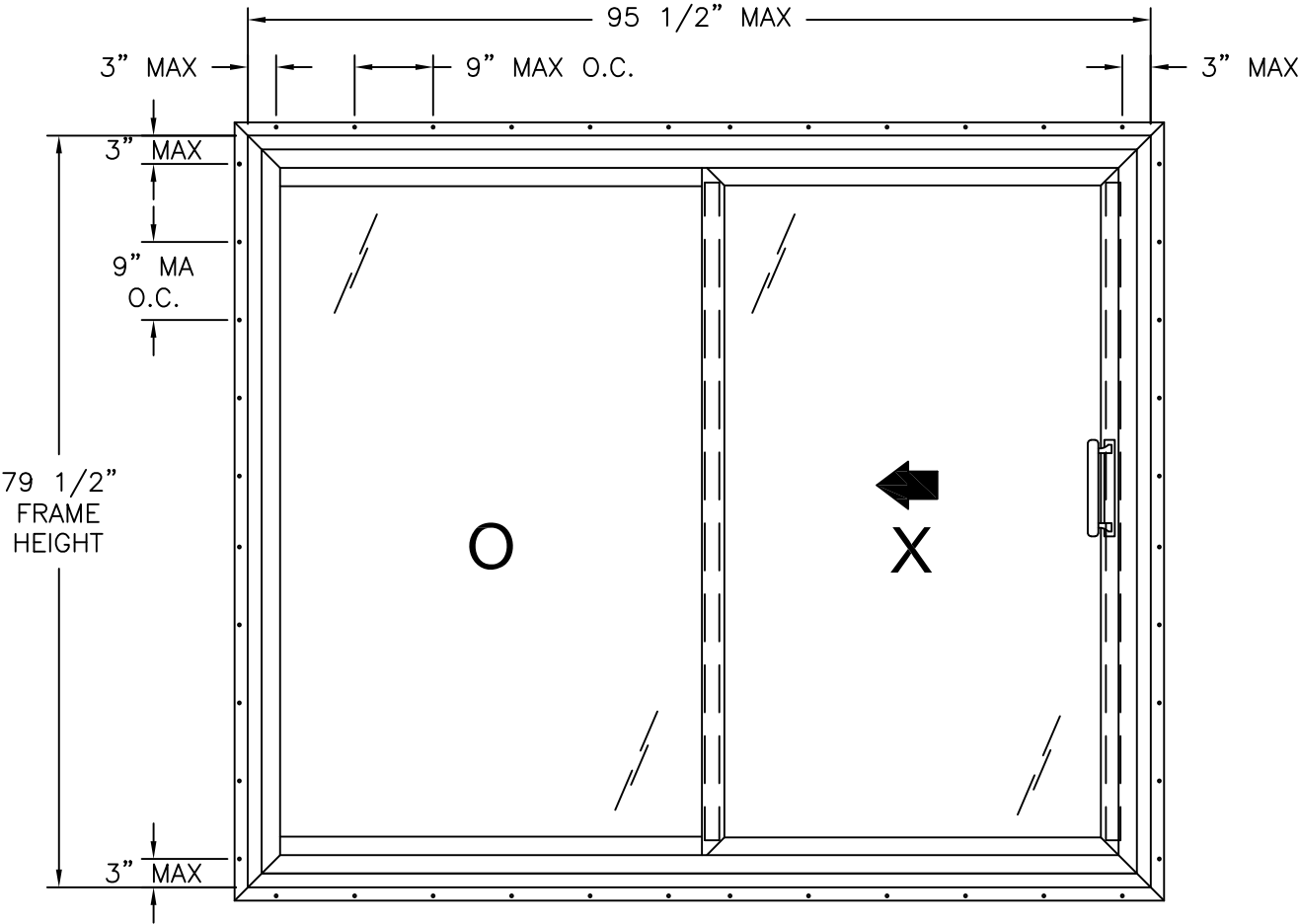
FOR ADDITIONAL SIZES SEE CHART #1 SHEET 4

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.	(1) 3" LONG MOLDED RUBBER STOP AT SILL TRACK
D.	STEEL REINFORCEMENT (RFPD34SOM) AT FIXED MEETING STILE
E.	STEEL REINFORCEMENT (RFPD03SOM) AT LOCK STILE
F.	STEEL REINFORCEMENT (RFPD24SOM) AT INTERLOCK STILE

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
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SASH SIZE: 48 3/8" X 76 3/8"
D.L.O.: 43 3/4" X 71 3/4"



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EXTERIOR VIEW

REINFORCED

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FOR ADDITIONAL SIZES SEE CHART #1 SHEET 4

SIGNED: 04/21/2025

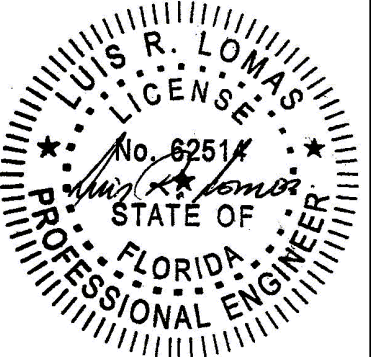
KRESTMARK INDUSTRIES, L.P.
3950 BASTILLE RD., SUITE 100
DALLAS, TX 75212

800 SGD REINFORCED
NON-IMPACT
ELEVATIONS

DRAWN: R.L.	DWG NO. 08-04130	REV -
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SCALE NTS	DATE 03/10/25	SHEET 2 OF 11
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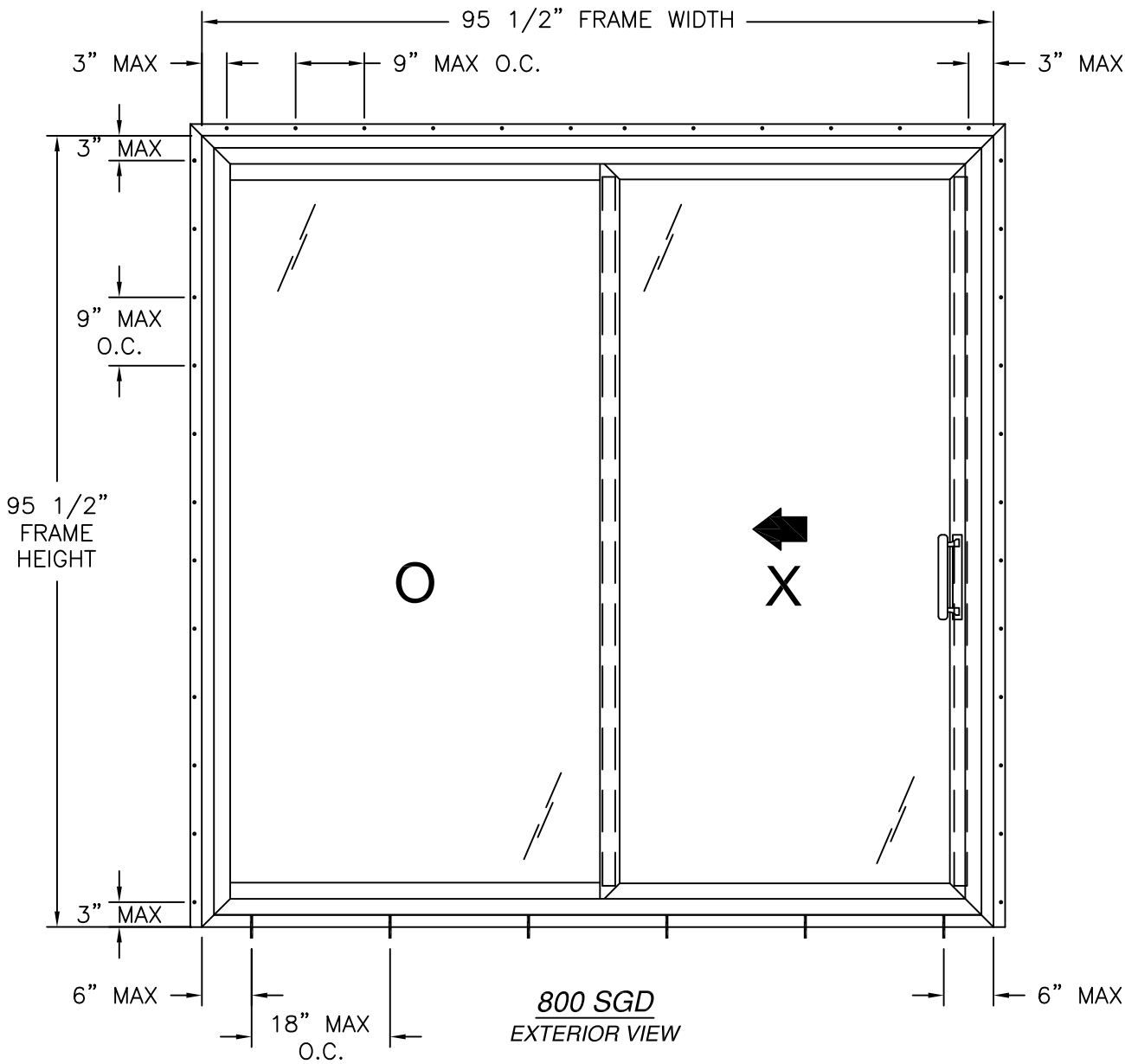
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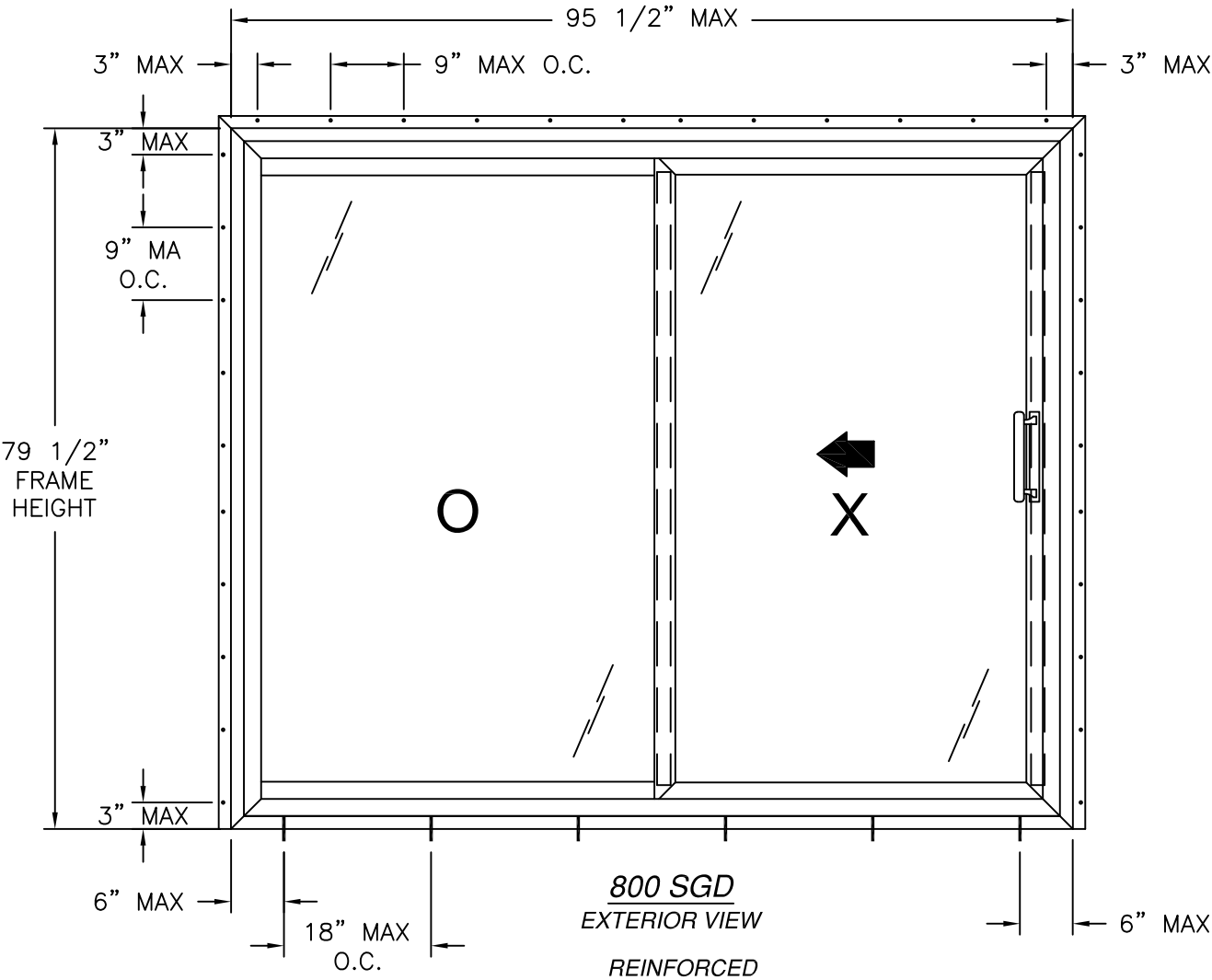


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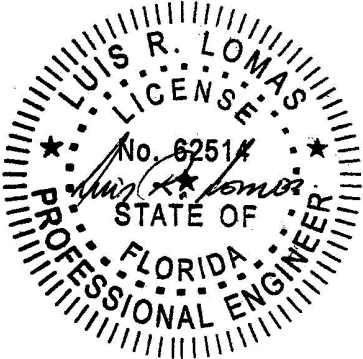


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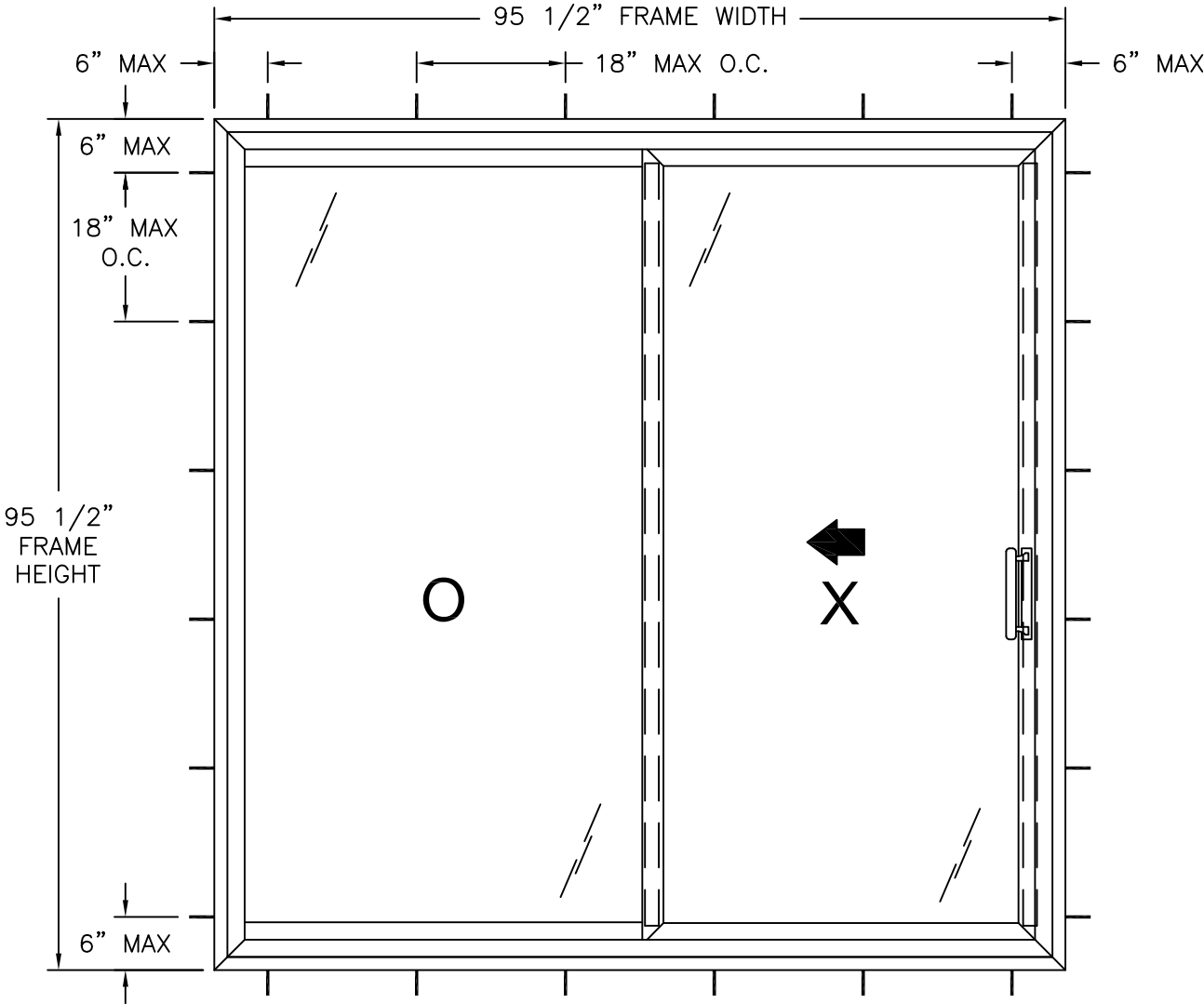
KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
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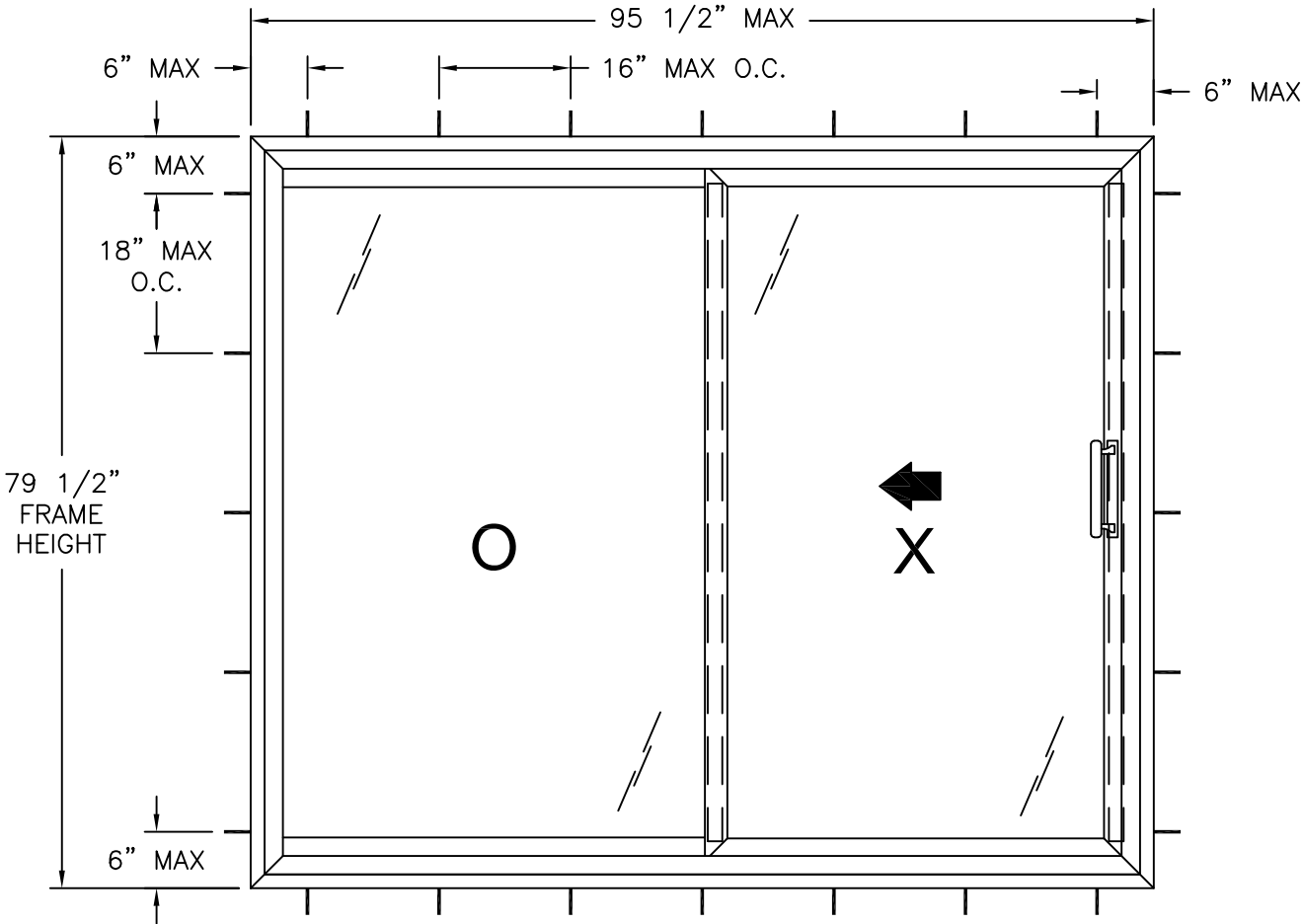
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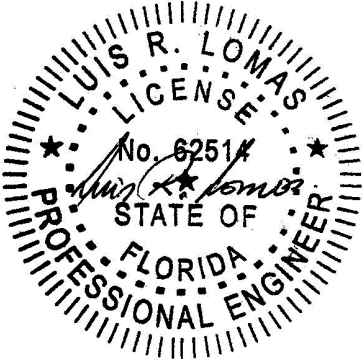
KRESTMARK INDUSTRIES, L.P.
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DALLAS, TX 75212

800 SGD REINFORCED
NON-IMPACT
ELEVATIONS

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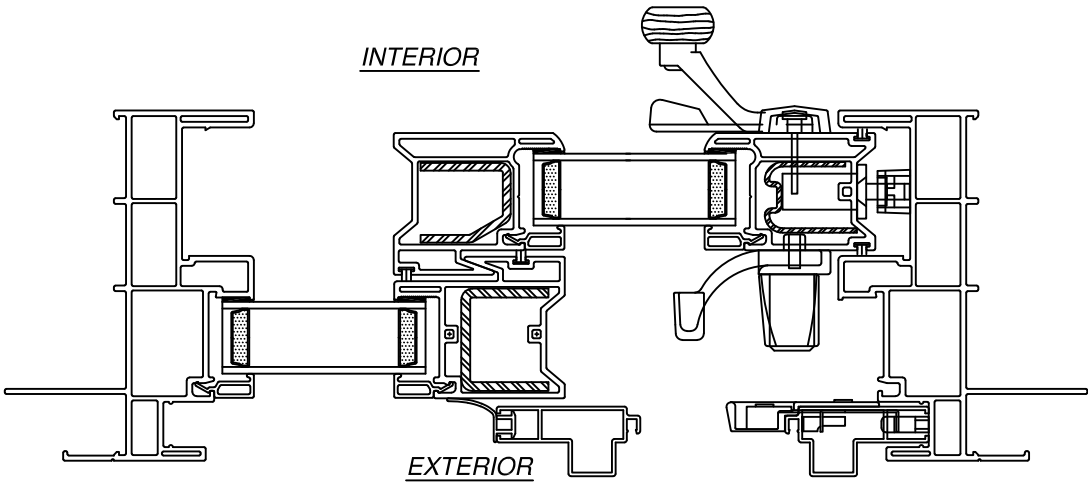
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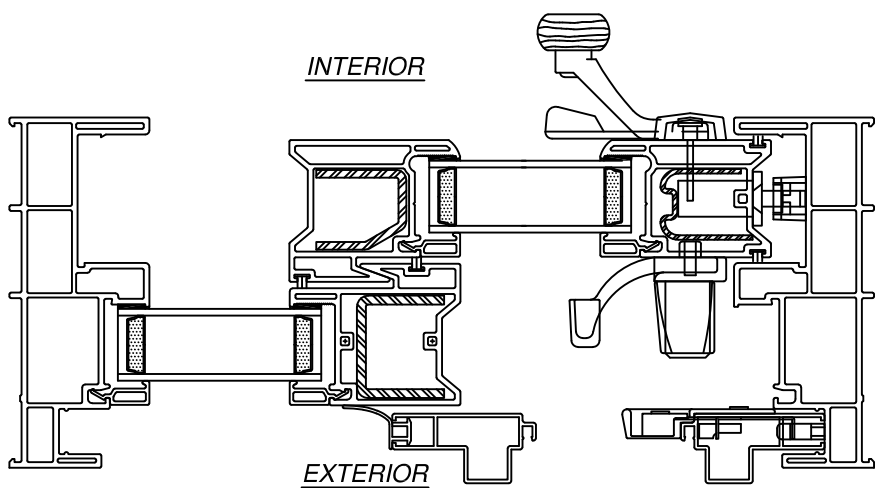
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Chart #1
Rating (psf)

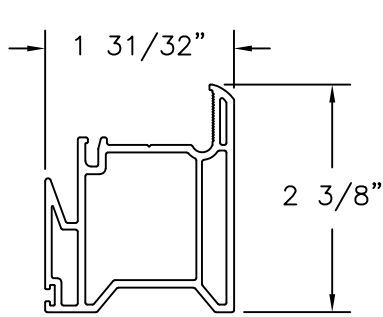
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36.00	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0
42.00	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0
48.00	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0
54.00	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0
60.00	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0	50.0	60.0	50.0	58.3
66.00	50.0	60.0	50.0	60.0	50.0	60.0	50.0	58.2	50.0	55.0	50.0	52.7
72.00	50.0	60.0	50.0	60.0	50.0	58.6	50.0	54.0	50.0	50.1	47.0	47.0
79.50	50.0	60.0	50.0	60.0	50.0	54.2	48.7	48.7	43.9	43.9	40.0	40.0
84.00	50.0	60.0	50.0	58.2	50.0	51.5	45.5	45.5	40.2	40.2	35.8	35.8
90.00	50.0	60.0	50.0	55.4	48.0	48.0	41.3	41.3	35.3	35.3	30.2	30.2
95.50	50.0	60.0	50.0	52.8	44.7	44.7	37.4	37.4	30.7	30.7	25.0	25.0



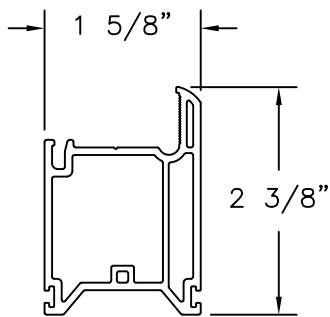
PERIMETER HORIZONTAL CROSS SECTION



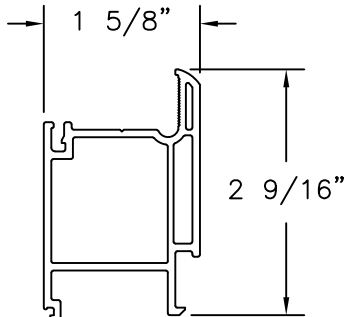
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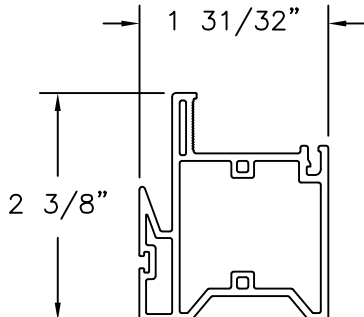
SASH INTERLOCK
RIGID PVC .079" THICK



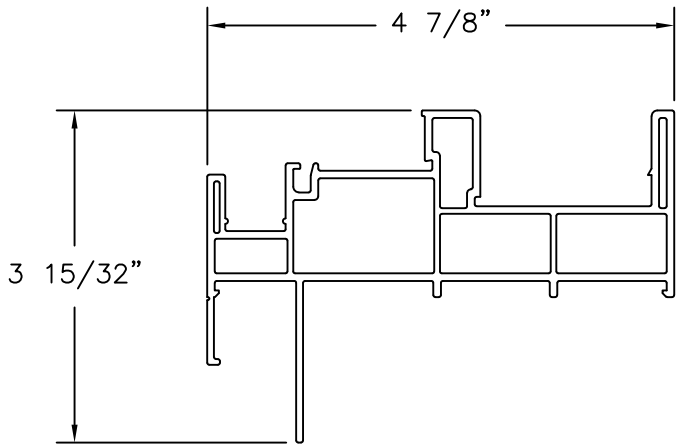
SASH STILE AND RAIL
RIGID PVC .079" THICK



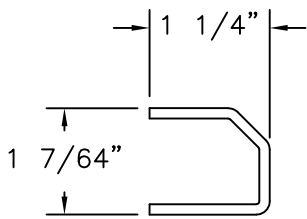
EQUAL GLASS ADAPTER
RIGID PVC .079" THICK



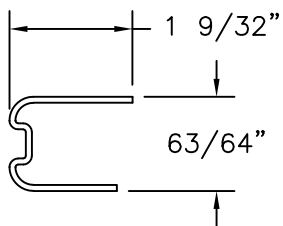
FIXED INTERLOCK
RIGID PVC .071" THICK



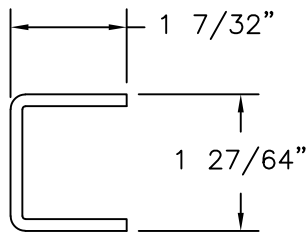
FRAME
RIGID PVC .079" THICK



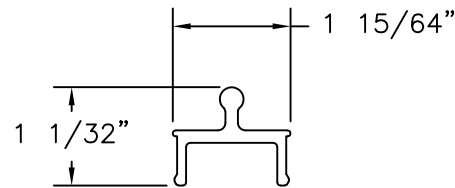
REINFORCEMENT
12GA. G90 GALVANIZED STEEL



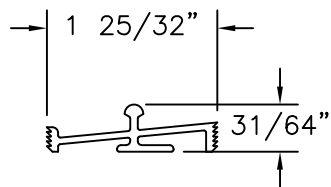
REINFORCEMENT
16GA. G90 GALVANIZED STEEL



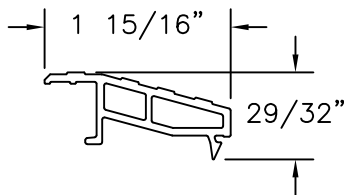
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11GA. G90 GALVANIZED STEEL



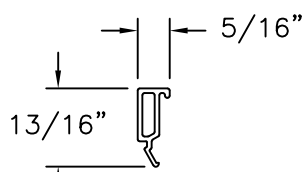
SCREEN TRACK
RIGID PVC .130" THICK



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



THRESHOLD
RIGID PVC .079" THICK



1" GLAZING BEAD
RIGID PVC .049" THICK

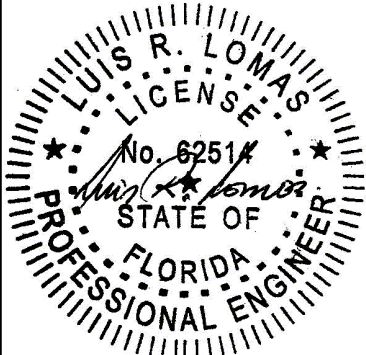
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800 SGD REINFORCED
NON-IMPACT
CHART, CROSS SECTION & COMPONENTS

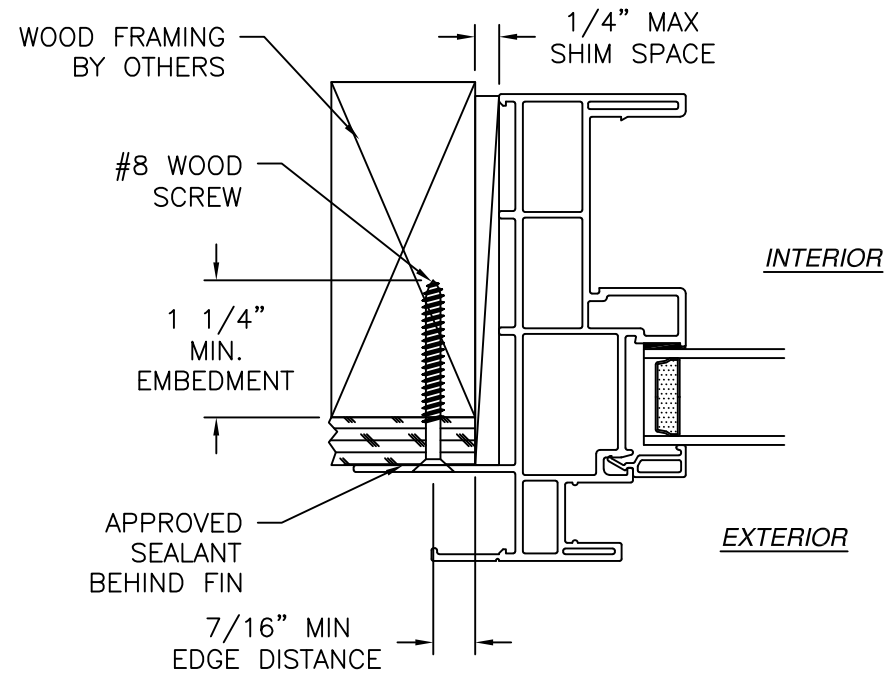
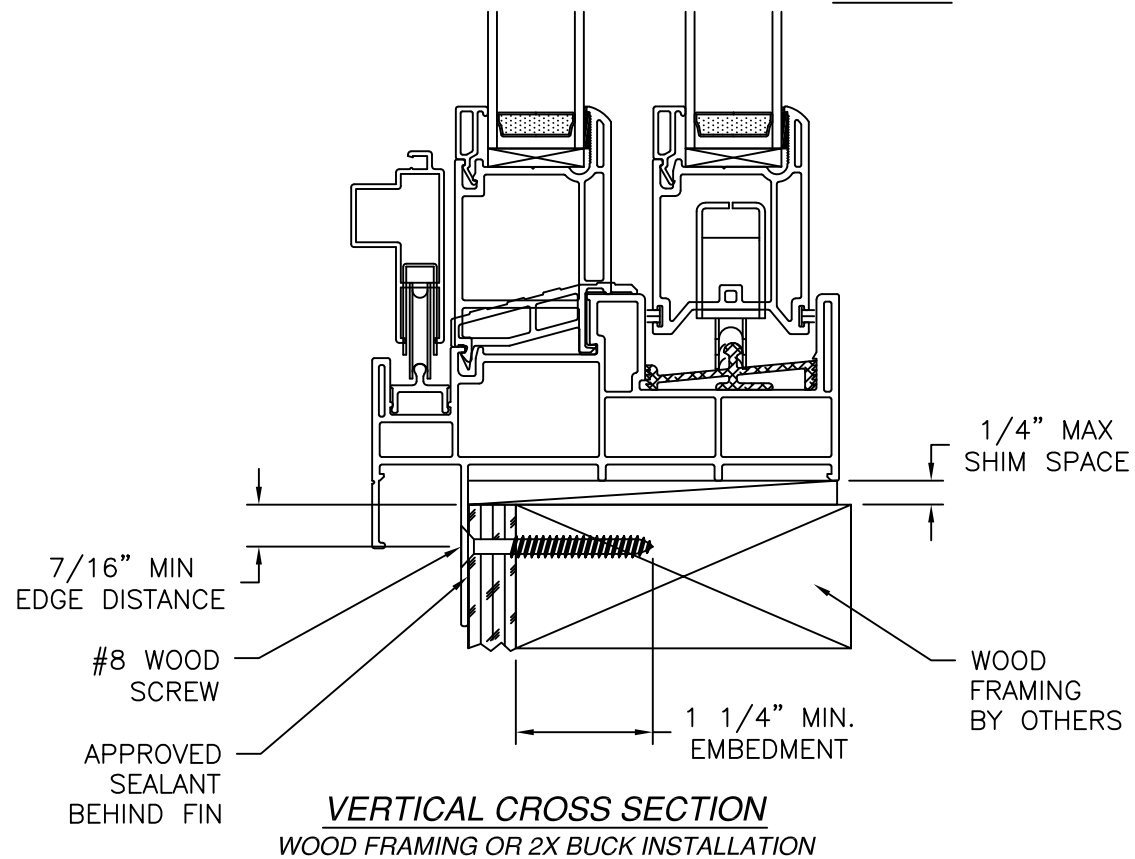
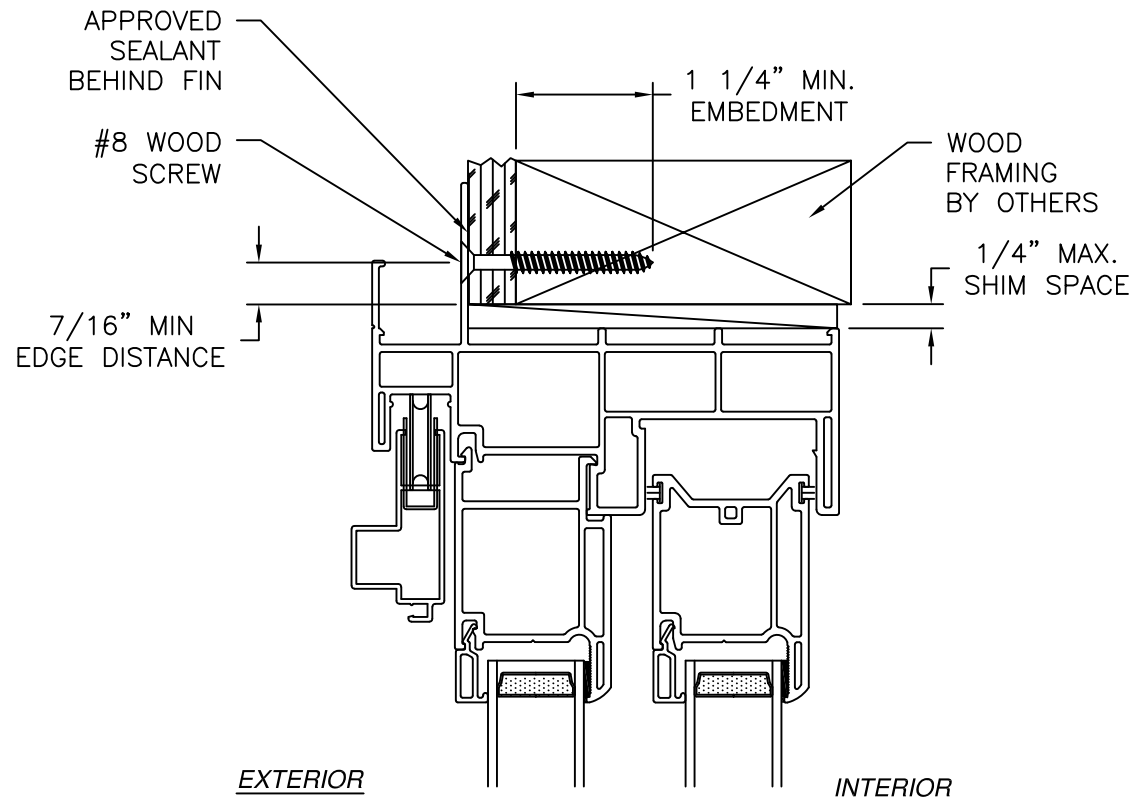
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SCALE NTS	DATE 03/10/25	SHEET 5 OF 11

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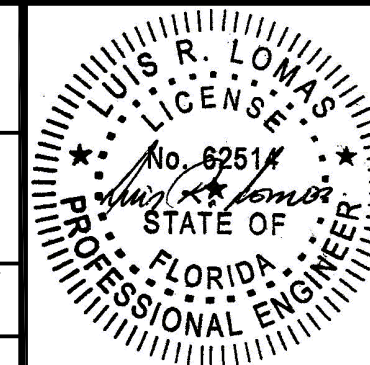
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

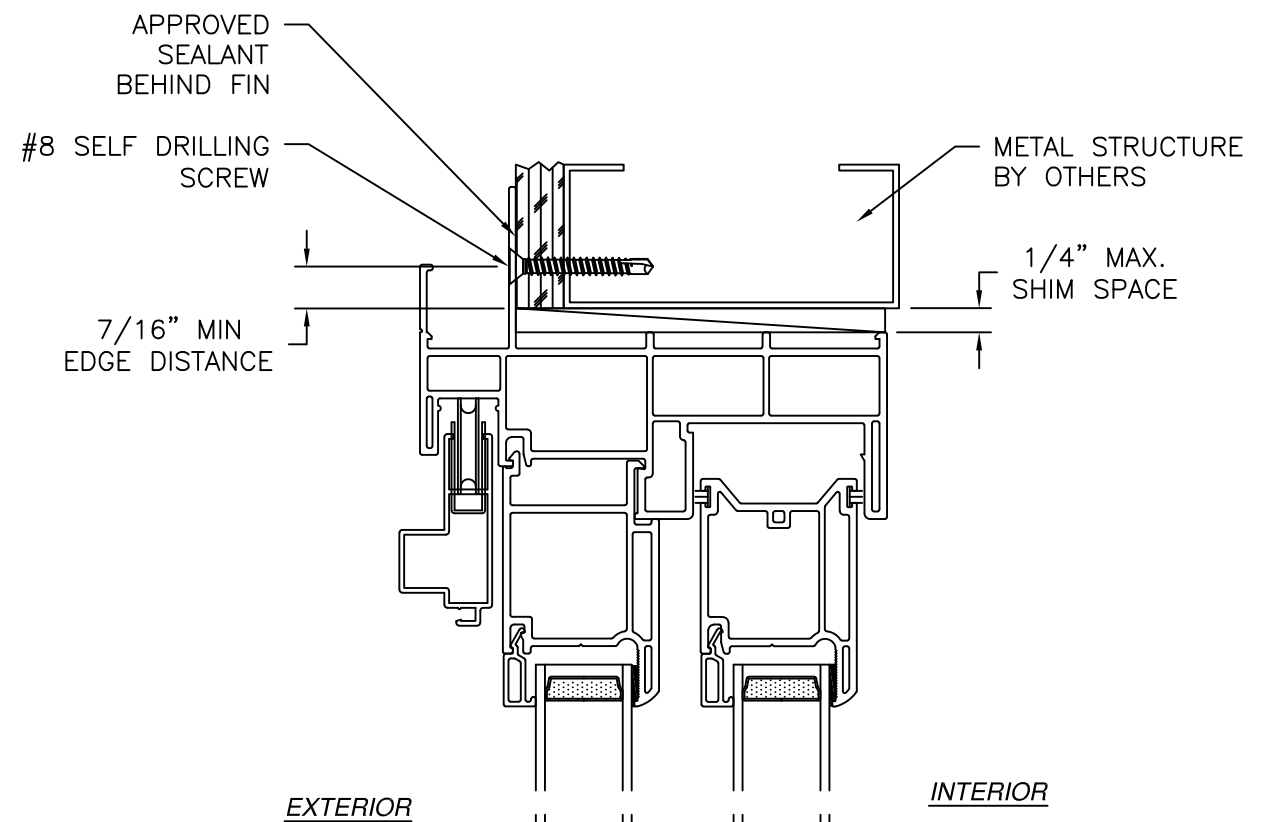
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800 SGD REINFORCED NON-IMPACT PERIMETER INSTALLATION DETAILS		
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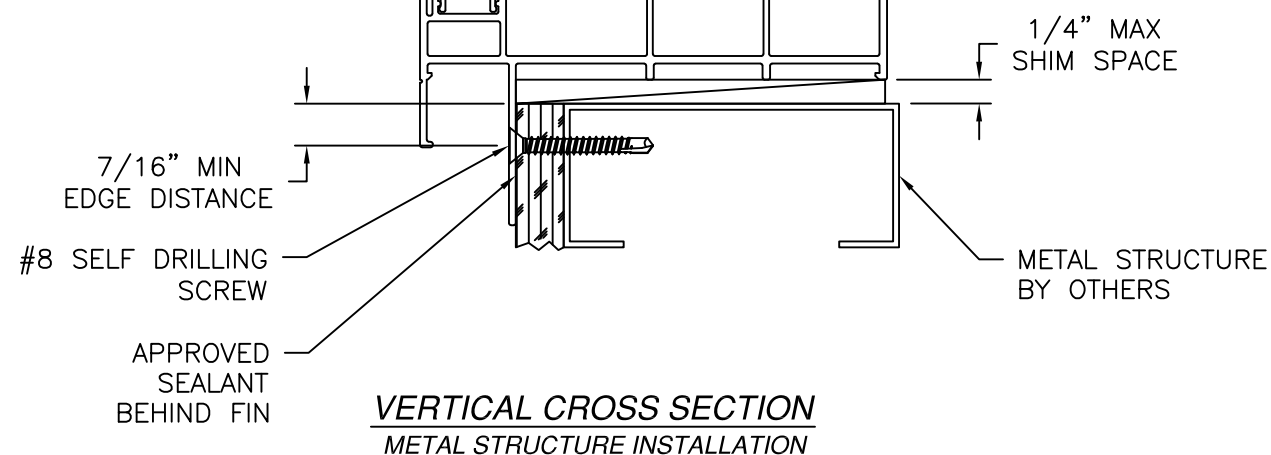


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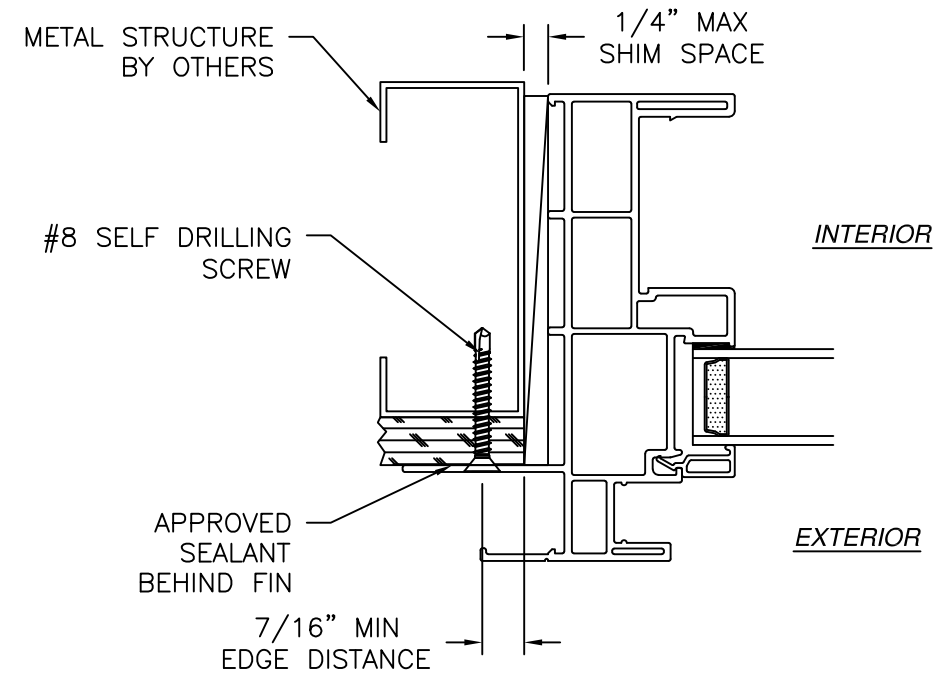


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:

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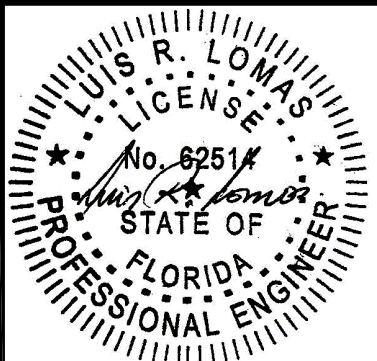
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PERIMETER INSTALLATION DETAILS

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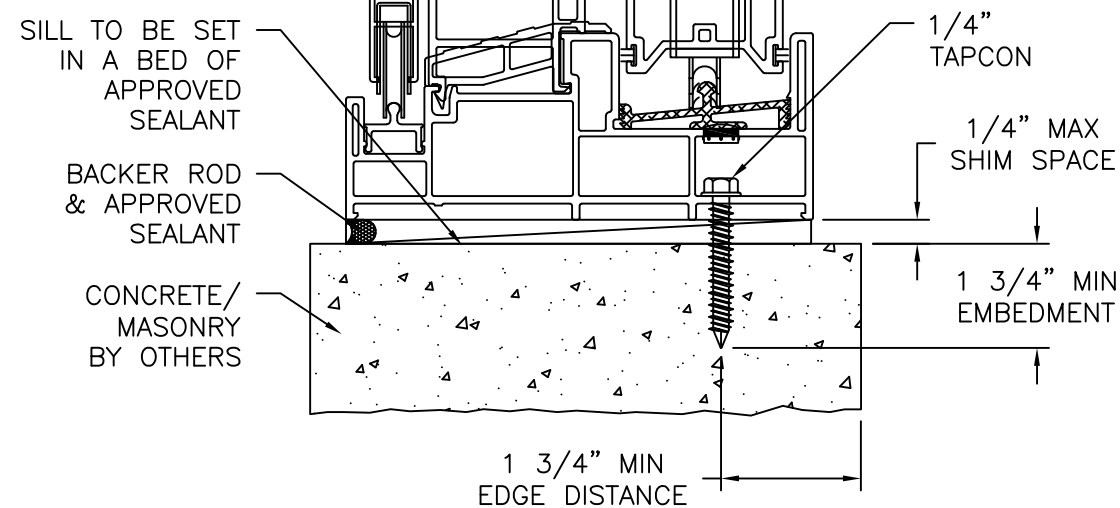
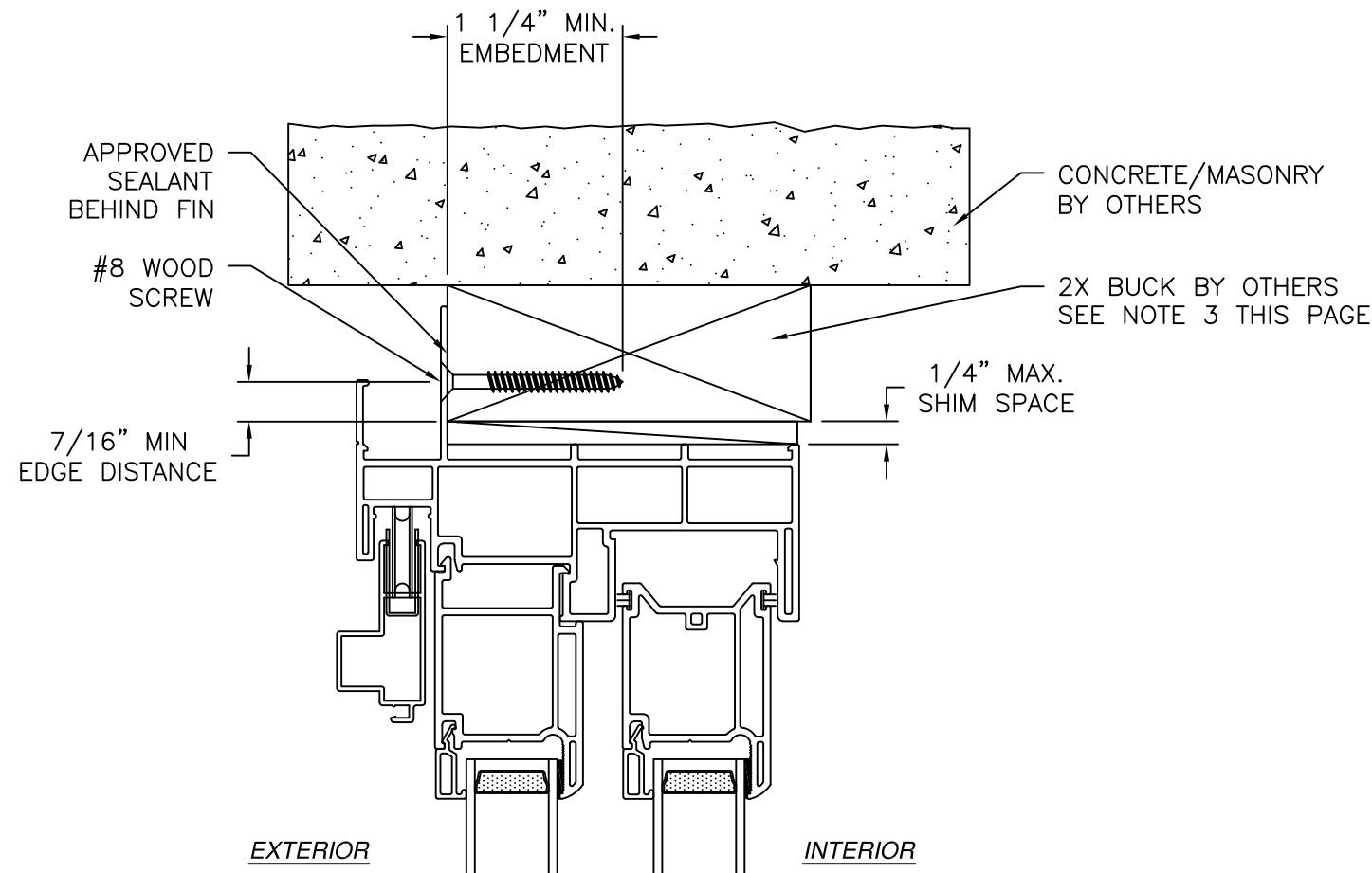
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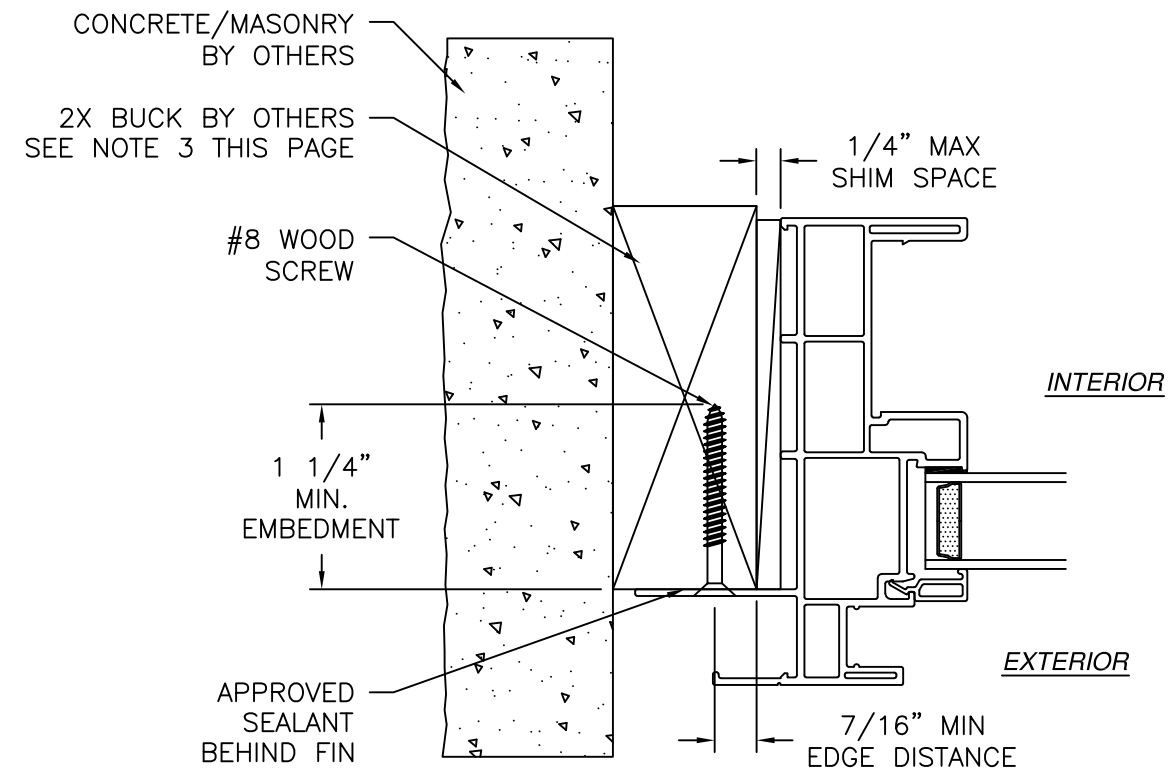


VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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JAMB INSTALLATION DETAIL
CONCRETE /MASONRY INSTALLATION

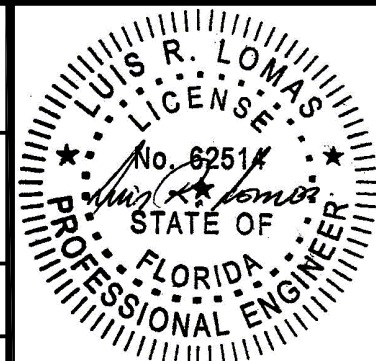
SIGNED: 04/21/2025

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

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

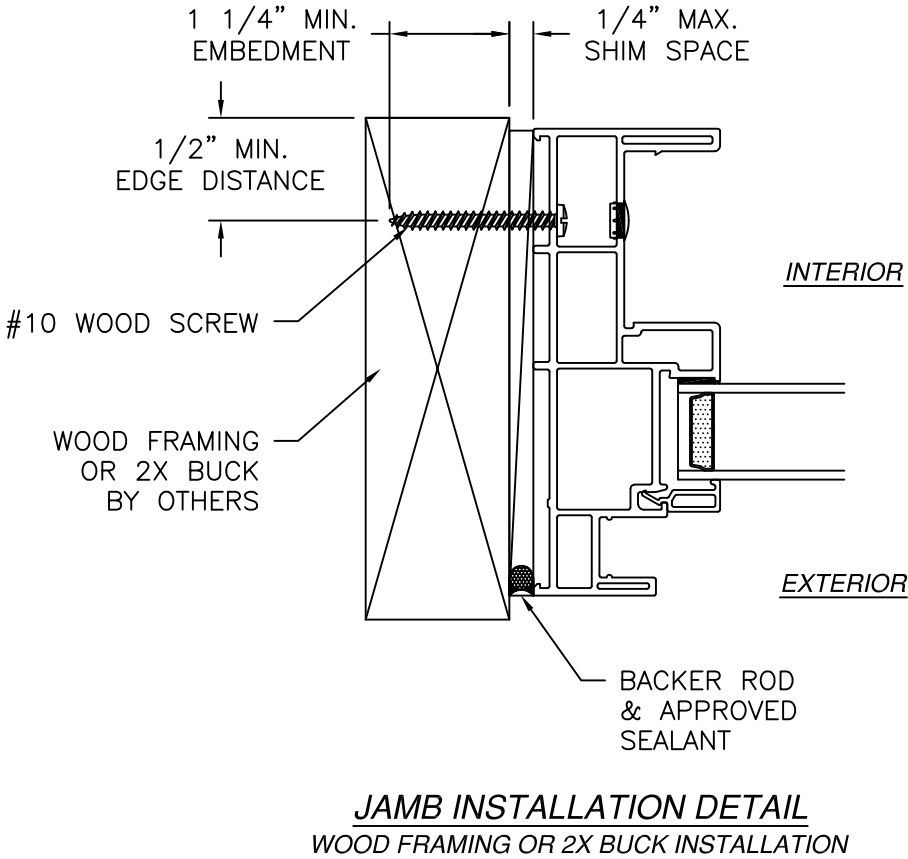
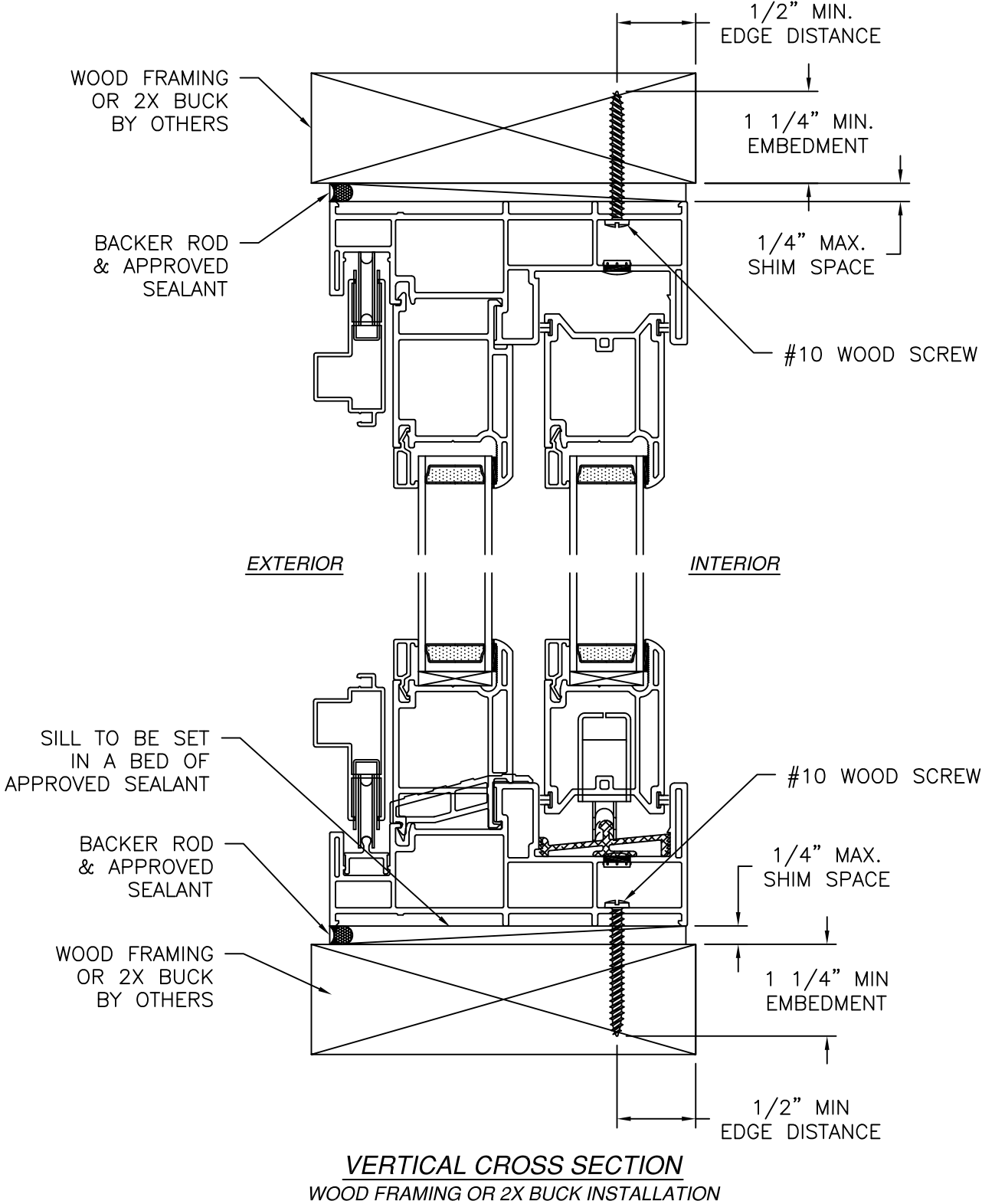
DRAWN: R.L.	DWG NO. 08-04130	REV -
SCALE NTS	DATE 03/10/25	SHEET 8 OF 11

L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com



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

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REV
-

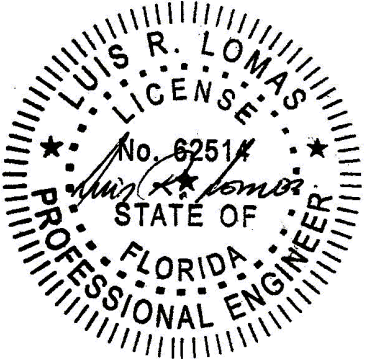
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NTS

DATE
03/10/25

SHEET
9 OF 11

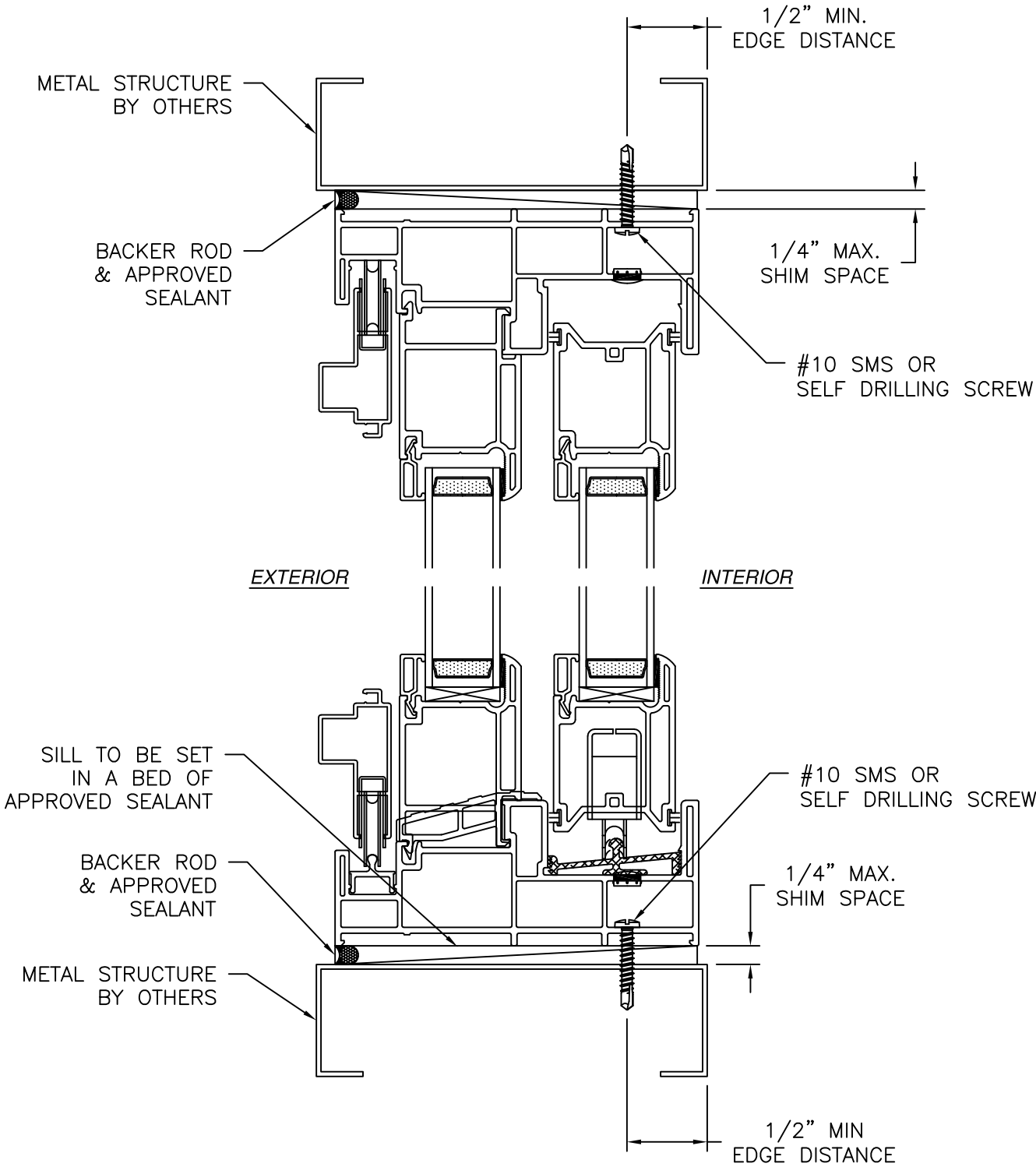
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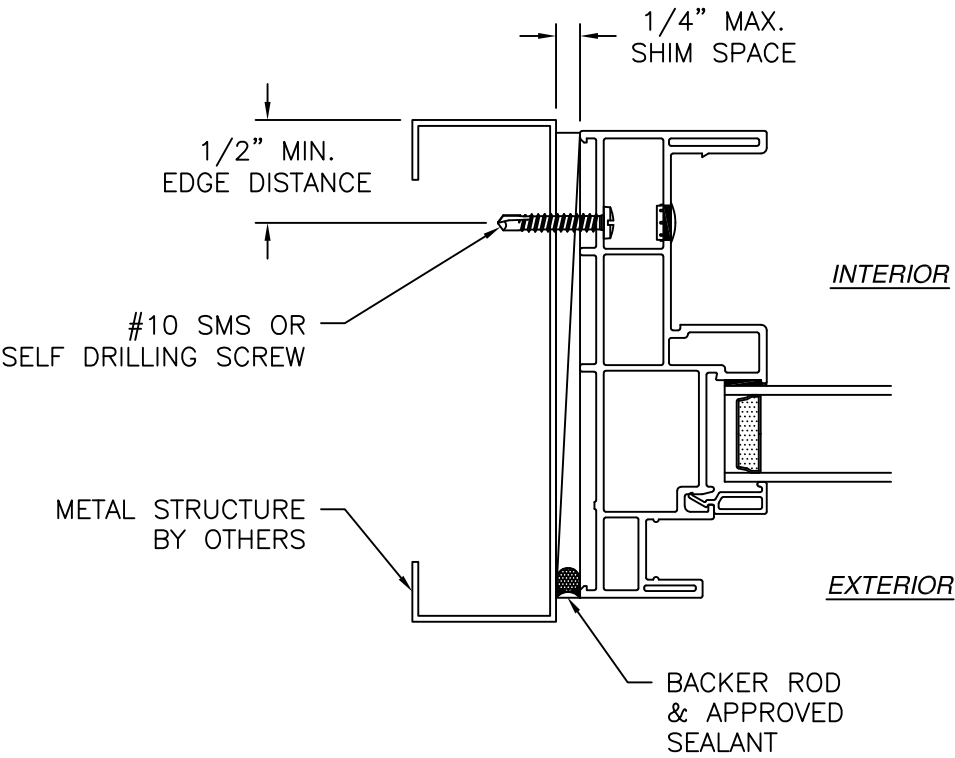


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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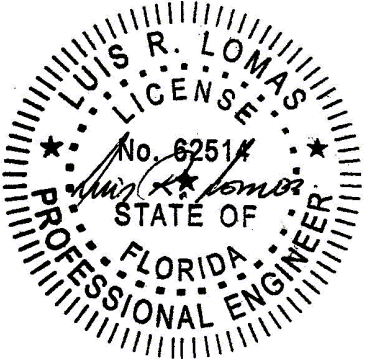
SCALE
NTS

DATE
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SHEET
10 OF 11

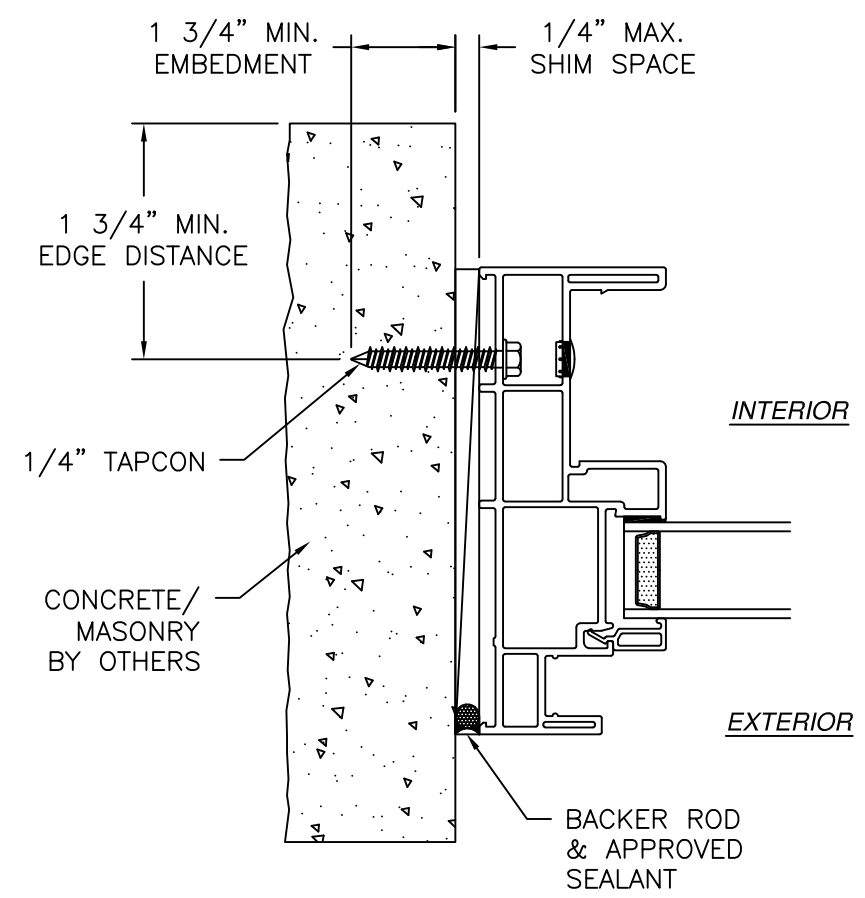
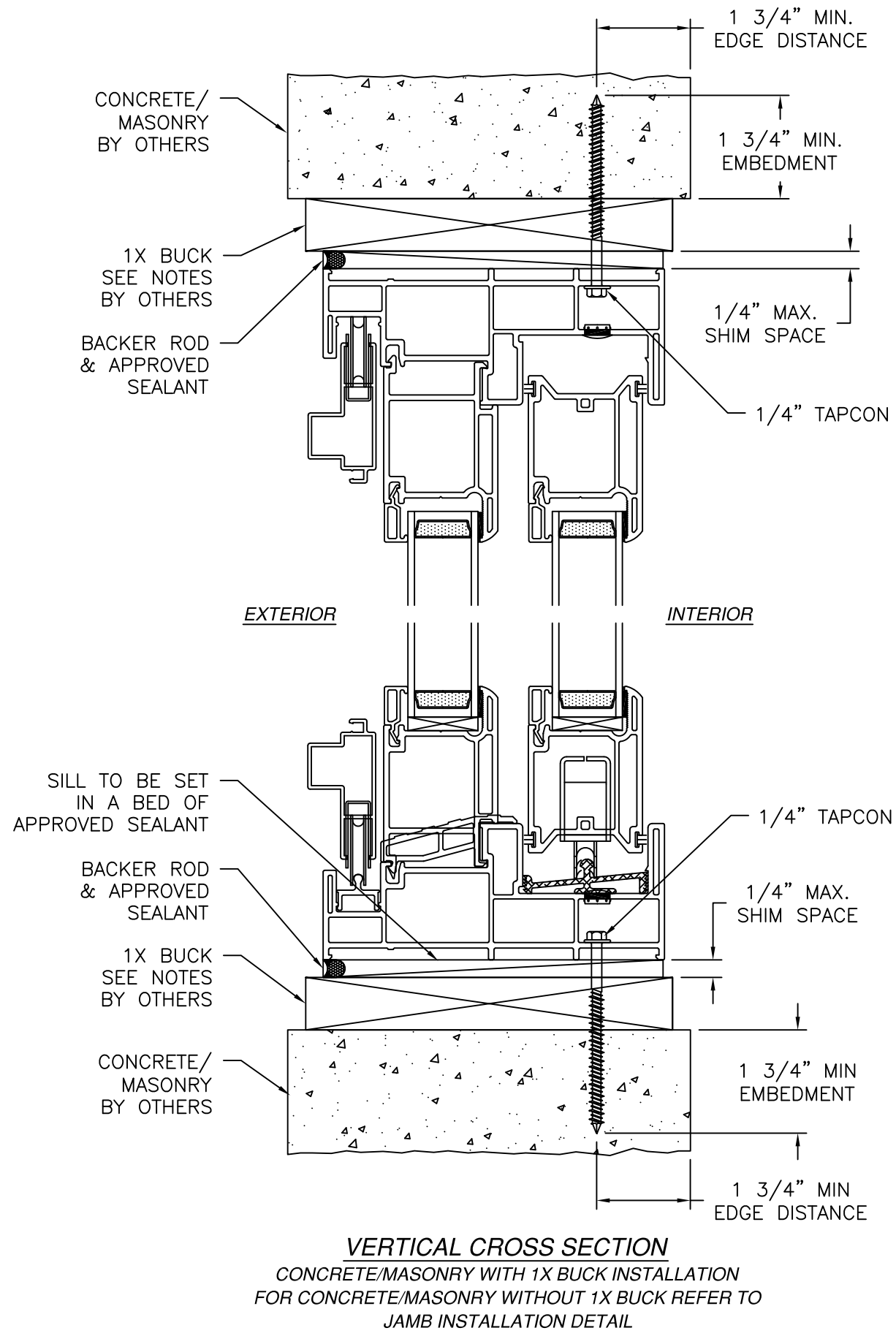
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SHEET 11 OF 11

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LUIS R. LOMAS

LICENSE

No. 62514

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514