

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	CURRENT FBC & Ops-0061	08/24/26	LMH

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" 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. FOR FIN INSTALLATION SHIM AS NEEDED. 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".
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 3 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
13. FOR FIN INSTALLATION INTO WOOD FRAMING OR 2X BUCK USE #10 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 FRAME 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 FRAME ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1-1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1-7/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR FRAME 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. WHEN THE PRODUCT SPECIFIED HEREIN IS INSTALLED WITHIN 3000 FEET OF A SALTWATER COASTLINE, ALL ANCHORS AND CLIPS MUST COMPLY WITH SALTWATER ENVIRONMENT CORROSION RESISTANCE REQUIREMENTS OF FBC CHAPTER 17.
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 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
20. APPROVED CONFIGURATION: XOX.

FL 16804

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EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS
16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

SERIES 176 HRP 424 SGP VINYL
HORIZONTAL SLIDING WINDOW IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03890

REV
A

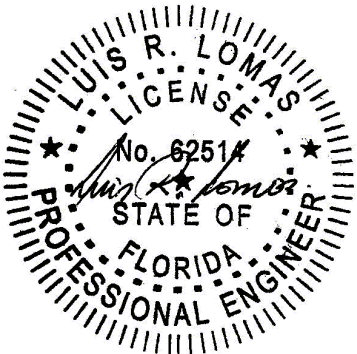
SCALE NTS

DATE 03/01/23

SHEET 1 OF 8

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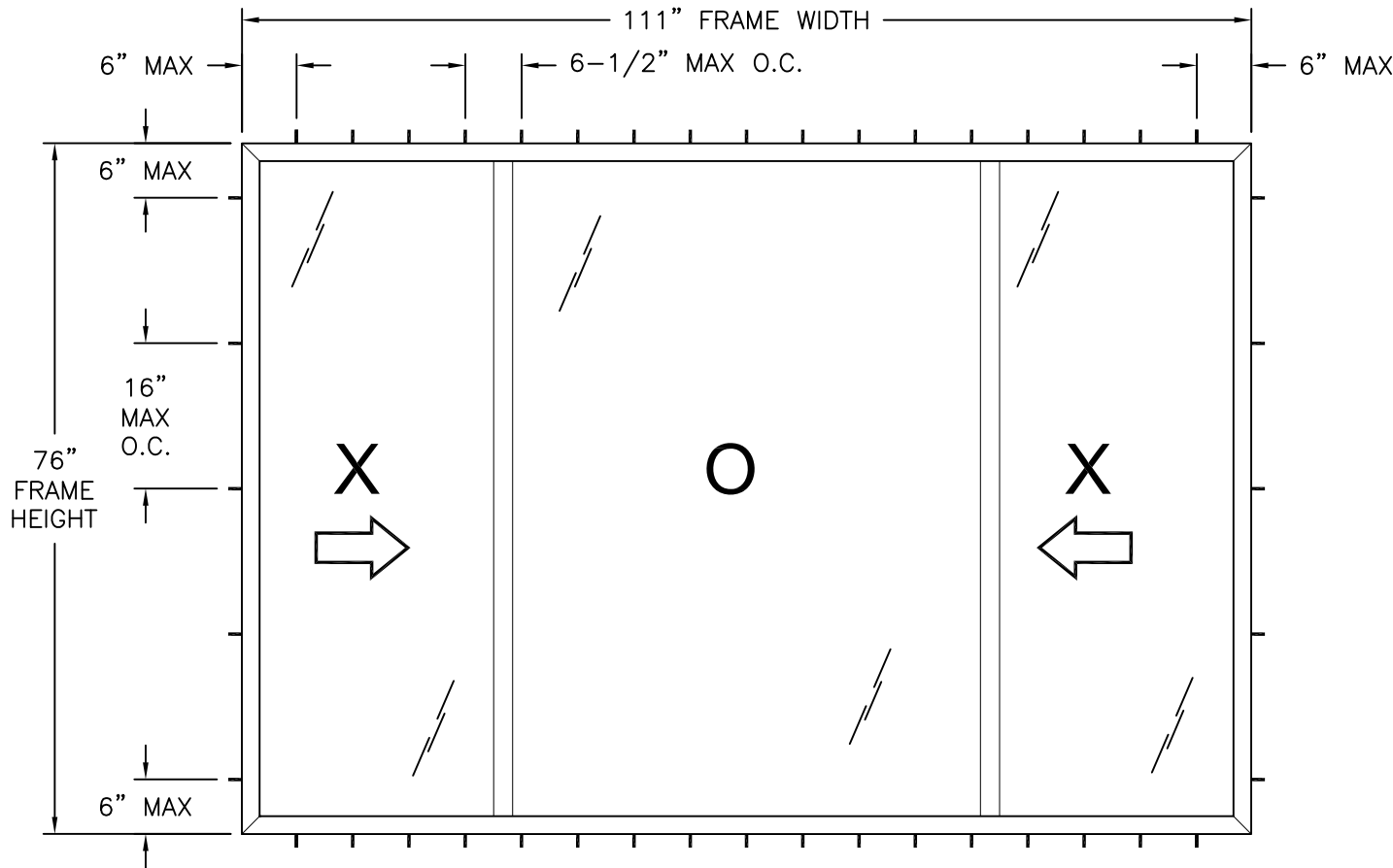
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FL No.: 62514

- NOTES:
- 1. SASH SIZE: 28-5/16" X 73-3/8".
 - 2. SASH D.L.O.: 24-15/16" X 69-7/8".
 - 3. FIXED D.L.O.: 51" X 72-3/16"

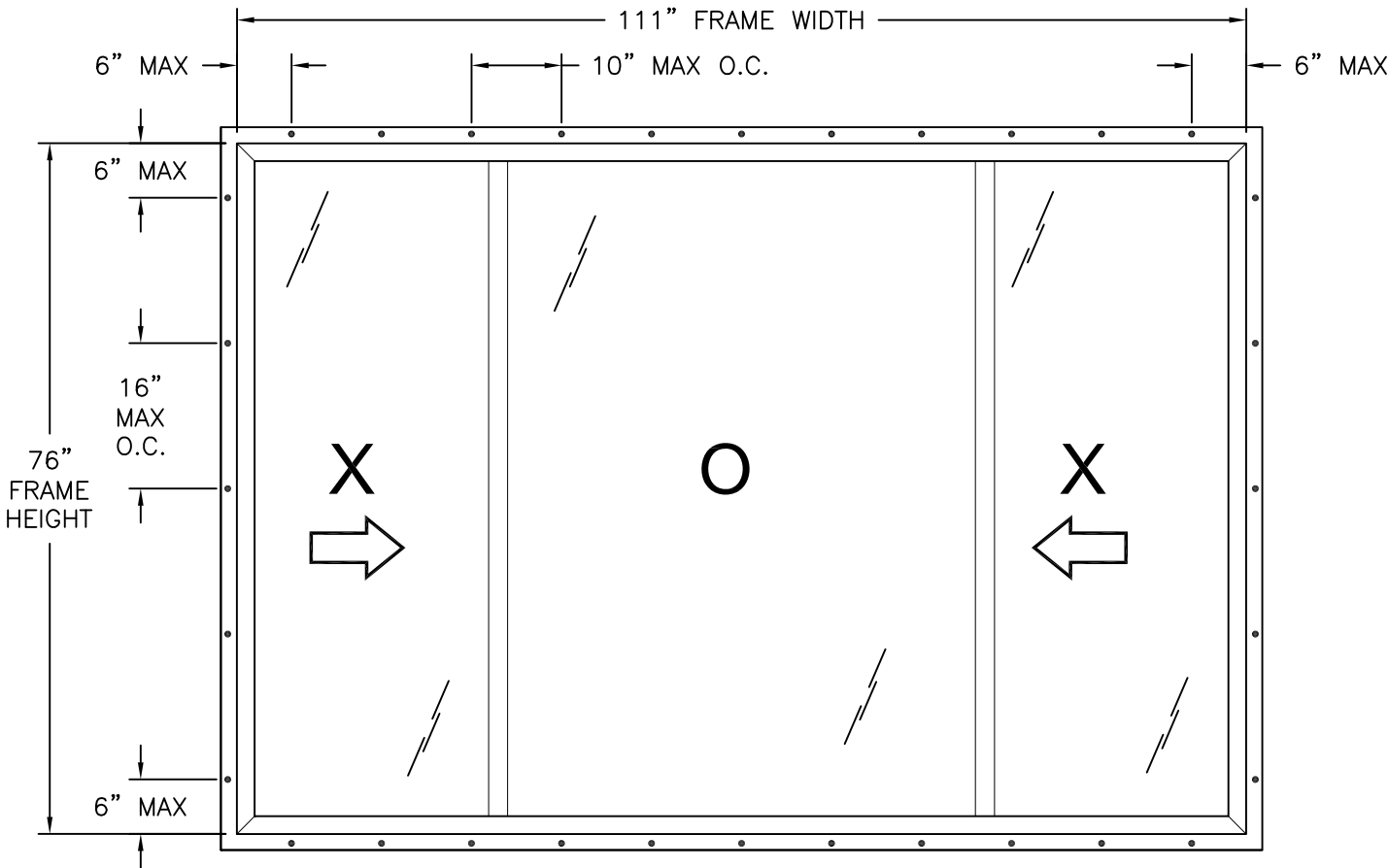
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SERIES 176 HRP 424 SGP
EXTERIOR VIEW
FINLESS INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±65.0 PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ



SERIES 176 HRP 424 SGP
EXTERIOR VIEW
FIN INSTALLATION

HARDWARE SCHEDULE	
A.	(4) ASHLAND DUAL KEEPERS (13999) AT FIXED MEETING STILE 8" FROM HEAD & SILL
B.	(4) ASHLAND DUAL LOCKS (D2100AL/R) AT SASH LOCK STILE 8" FROM SASH CORNERS
C.	(4) ROLLER HOUSINGS AT EACH CORNER OF SASH BOTTOM RAILS.
D.	(3) TRACKS AT OPERABLE SASH HEAD & SILL
E.	(1) ALUMINUM REINFORCEMENT (10300265) IN FIXED MEETING RAIL
F.	(5) ALUMINUM REINFORCEMENT (10300266) IN SASH TOP AND BOTTOM RAILS, JAMB STILES AND SASH LOCK RAIL

FL 16804



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRANDS

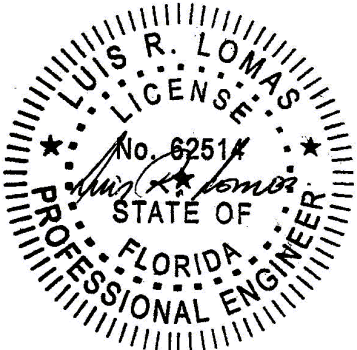
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**SERIES 176 HRP 424 SGP VINYL
HORIZONTAL SLIDING WINDOW IMPACT
ELEVATIONS**

DRAWN: A.R.	DWG NO. 08-03890	REV A
SCALE NTS	DATE 03/01/23	SHEET 2 OF 8

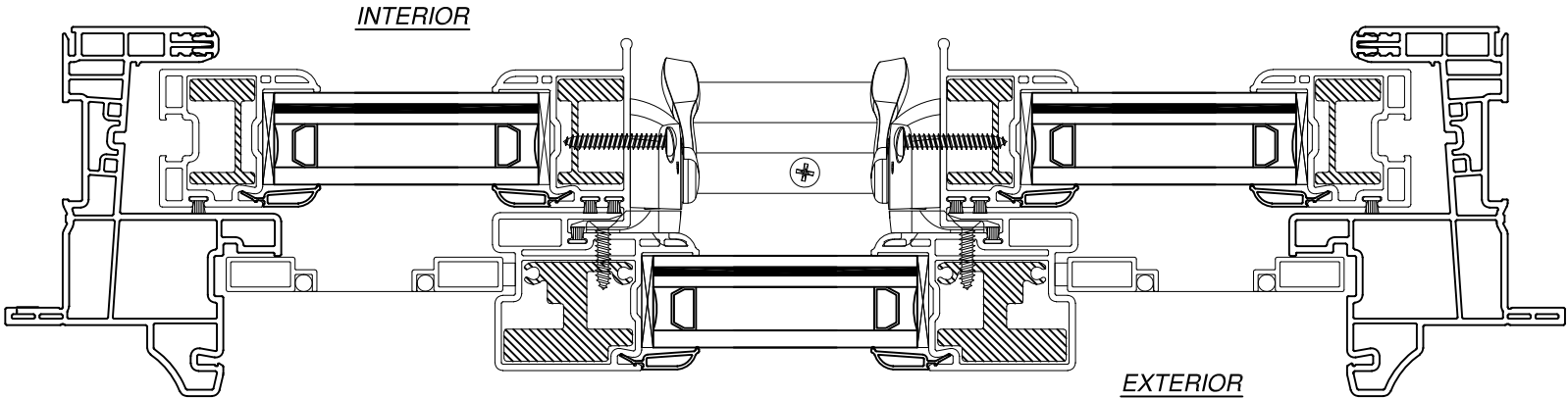
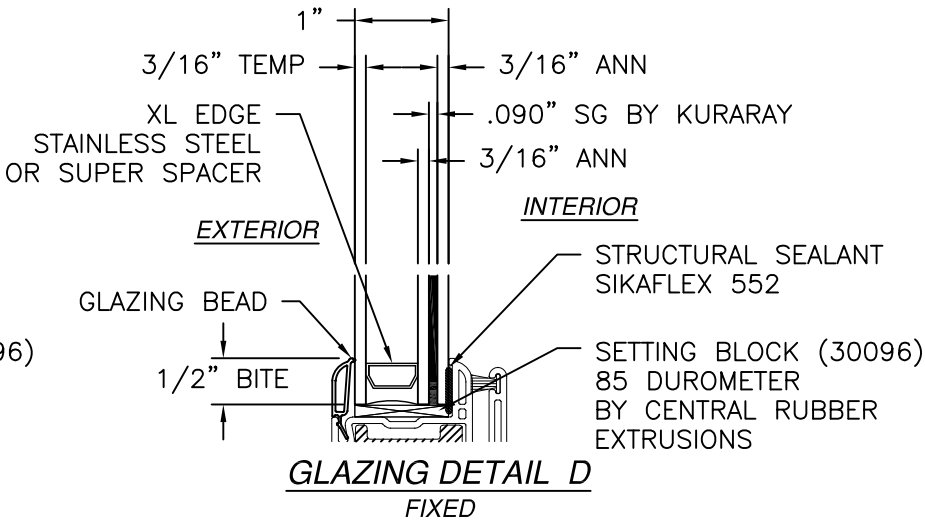
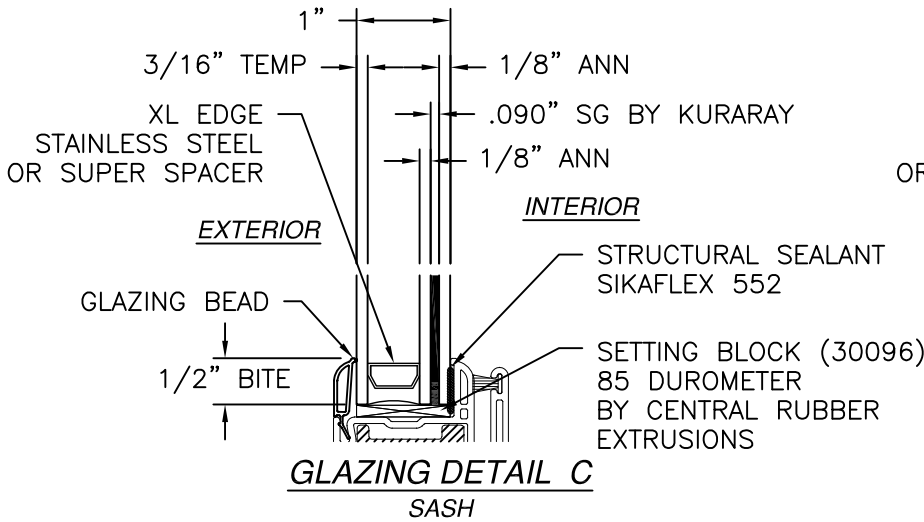
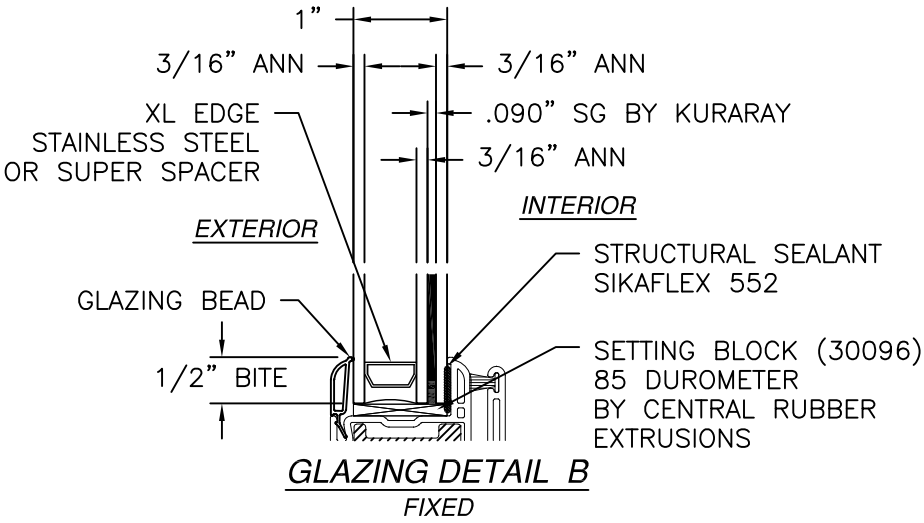
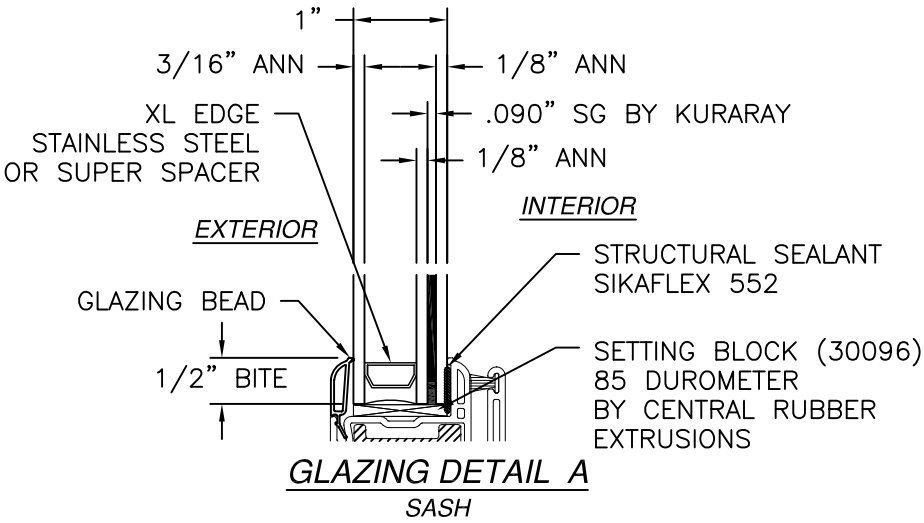
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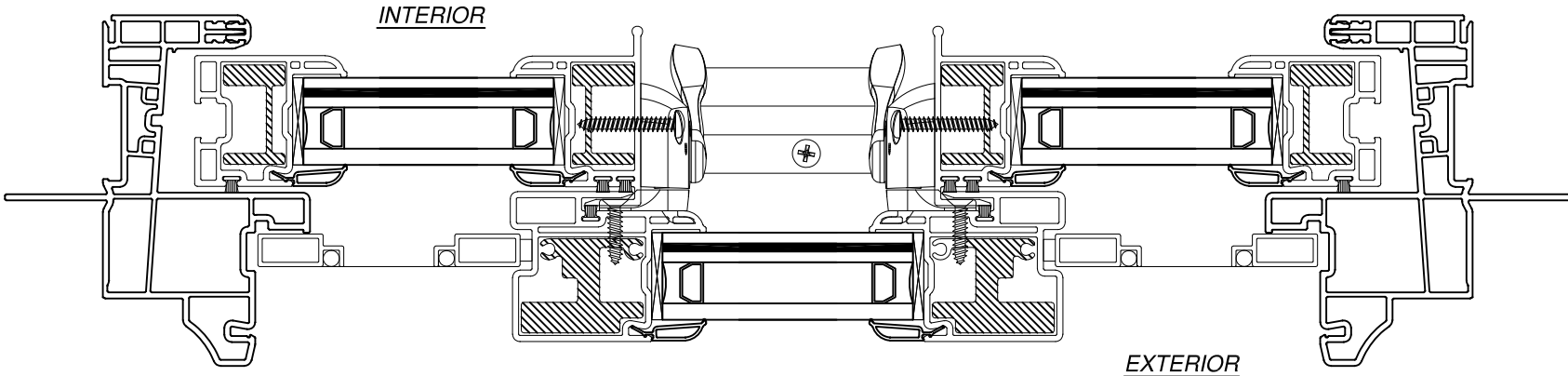


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HORIZONTAL CROSS SECTIONS
FINLESS INSTALLATION



HORIZONTAL CROSS SECTIONS
FIN INSTALLATION

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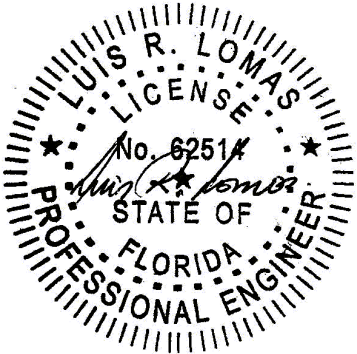


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SERIES 176 HRP 424 SGP VINYL
HORIZONTAL SLIDING WINDOW IMPACT
HORIZONTAL CROSS SECTIONS & GLASS DETAILS

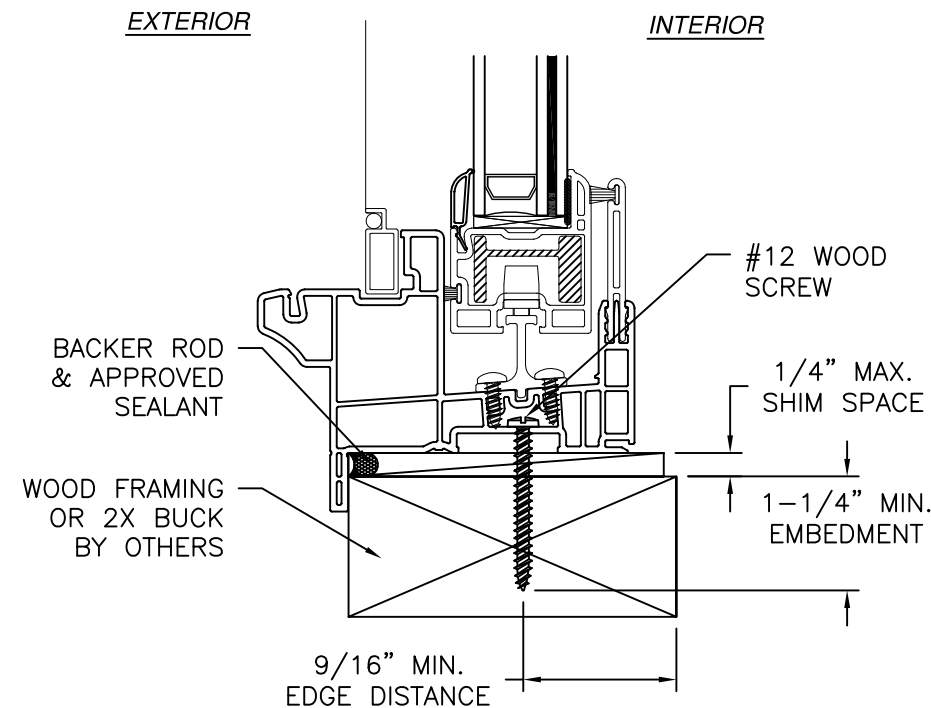
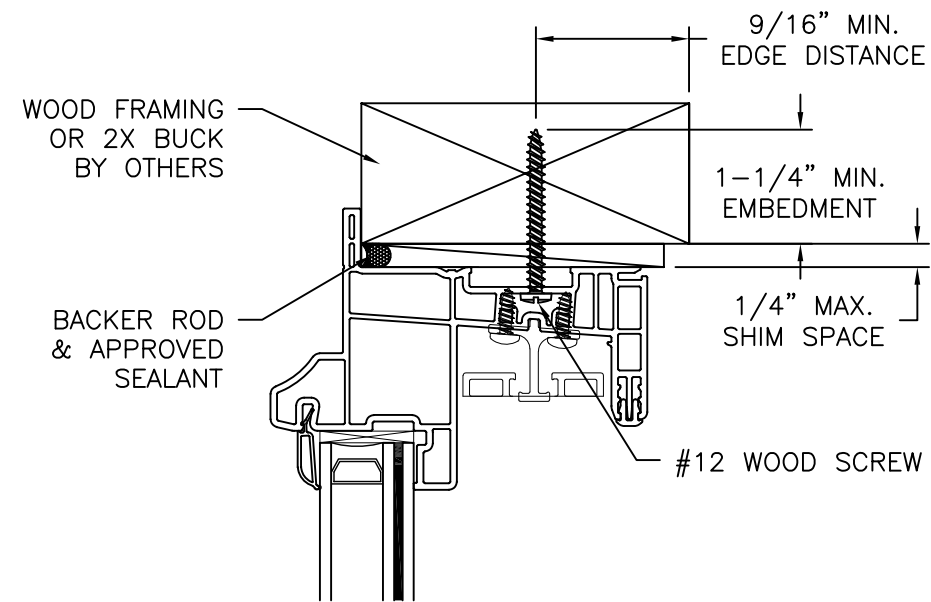
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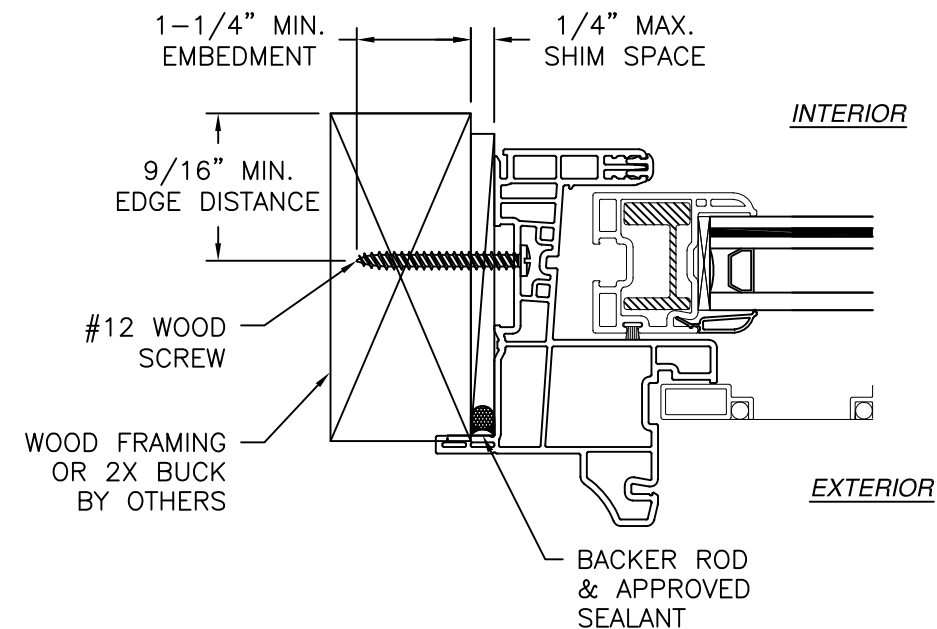
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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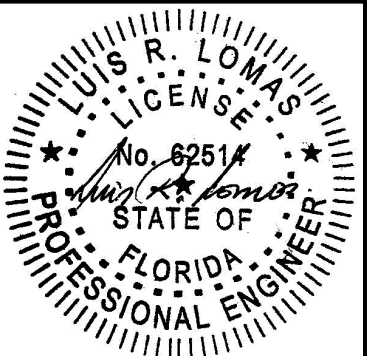


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HORIZONTAL SLIDING WINDOW IMPACT
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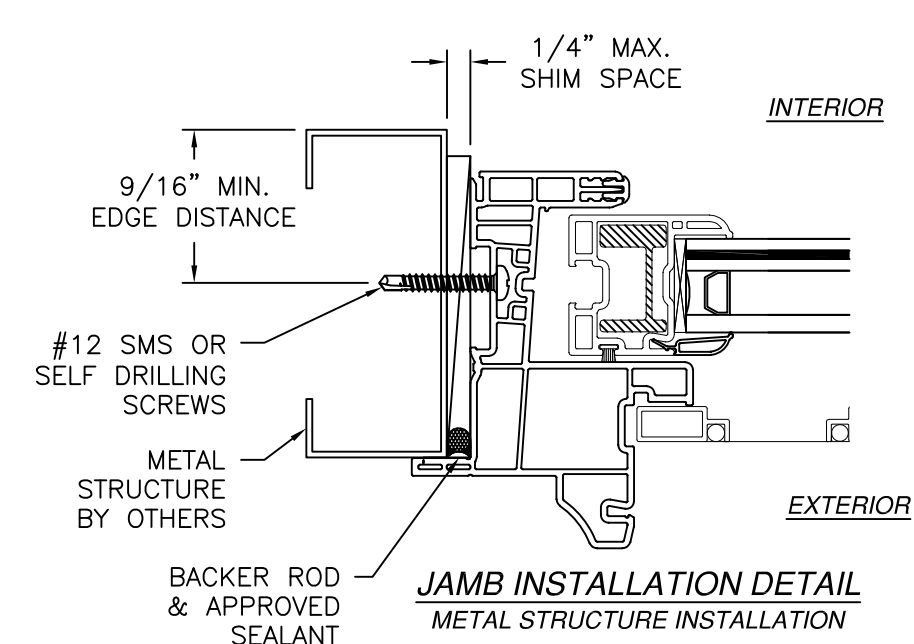
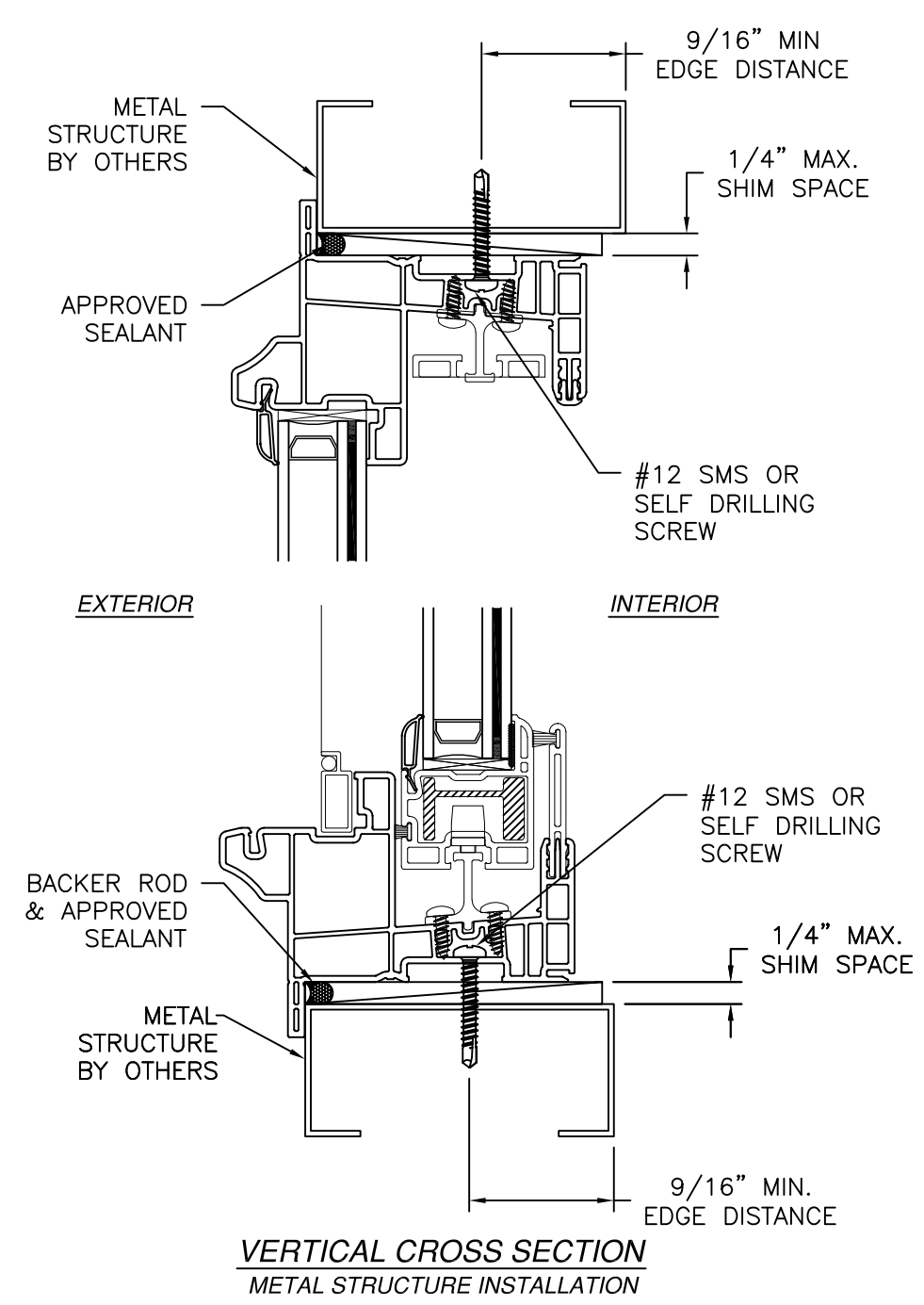
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Eastern
ARCHITECTURAL SYSTEMS
ALUMINUM AND VINYL
IMPACT WINDOWS AND DOORS

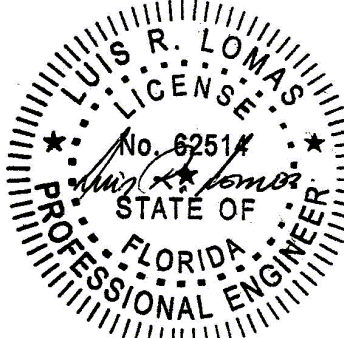
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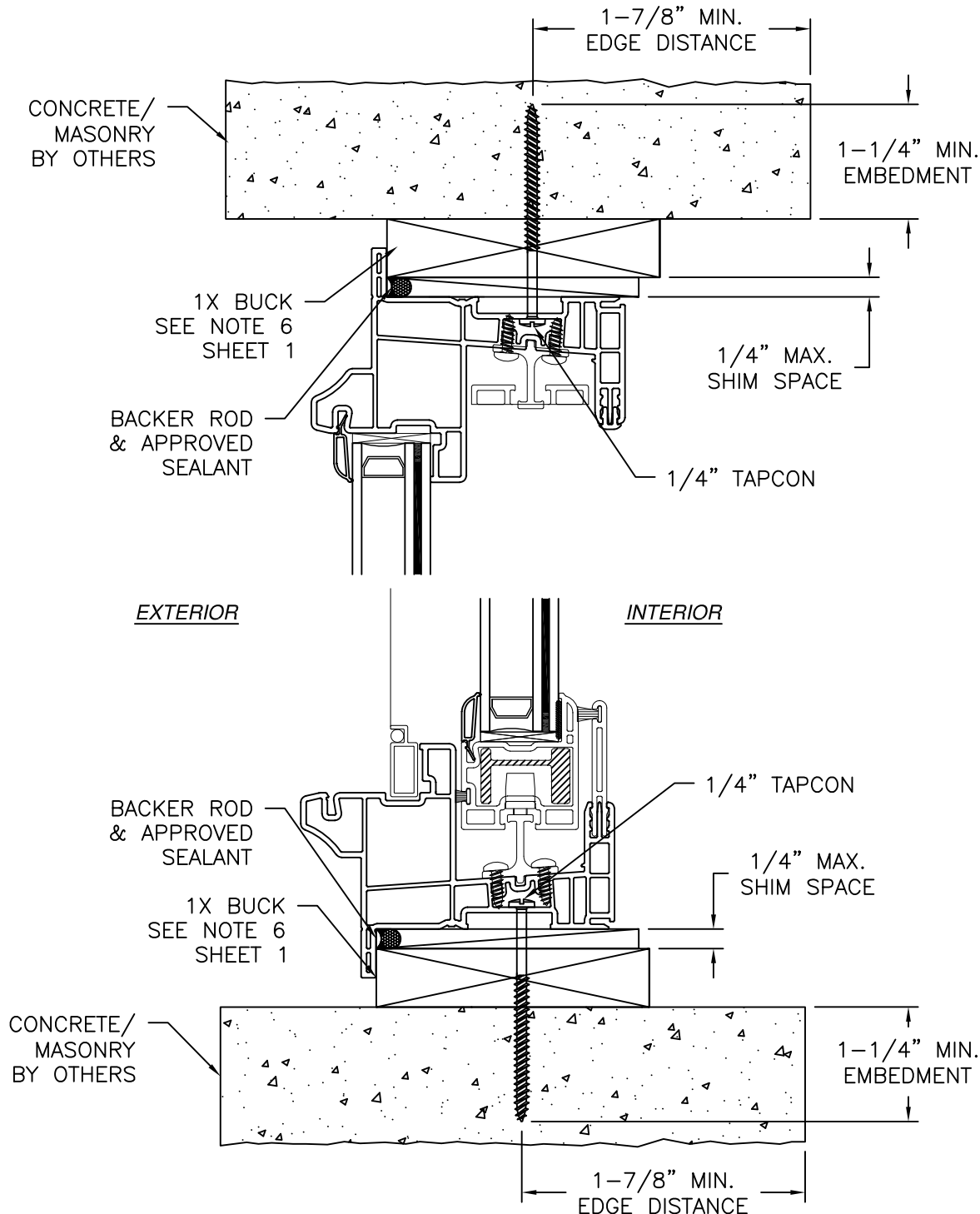
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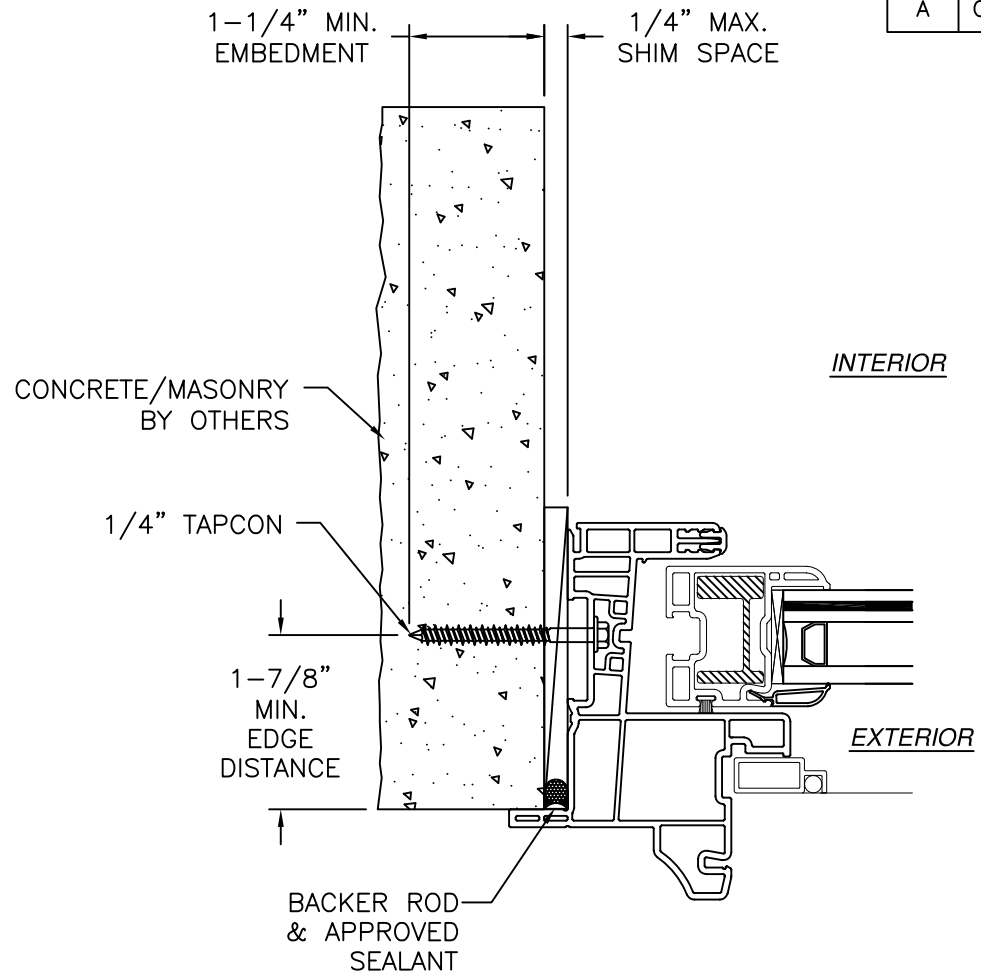
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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL



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

NOTES:
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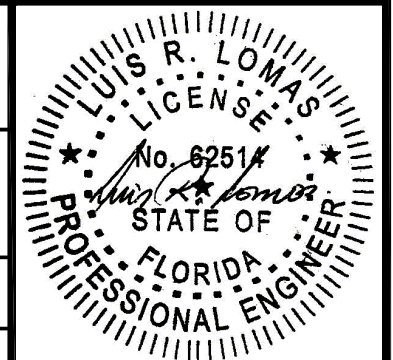
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 INSTALLATION DETAILS**

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SCALE NTS	DATE 03/01/23	SHEET 6 OF 8

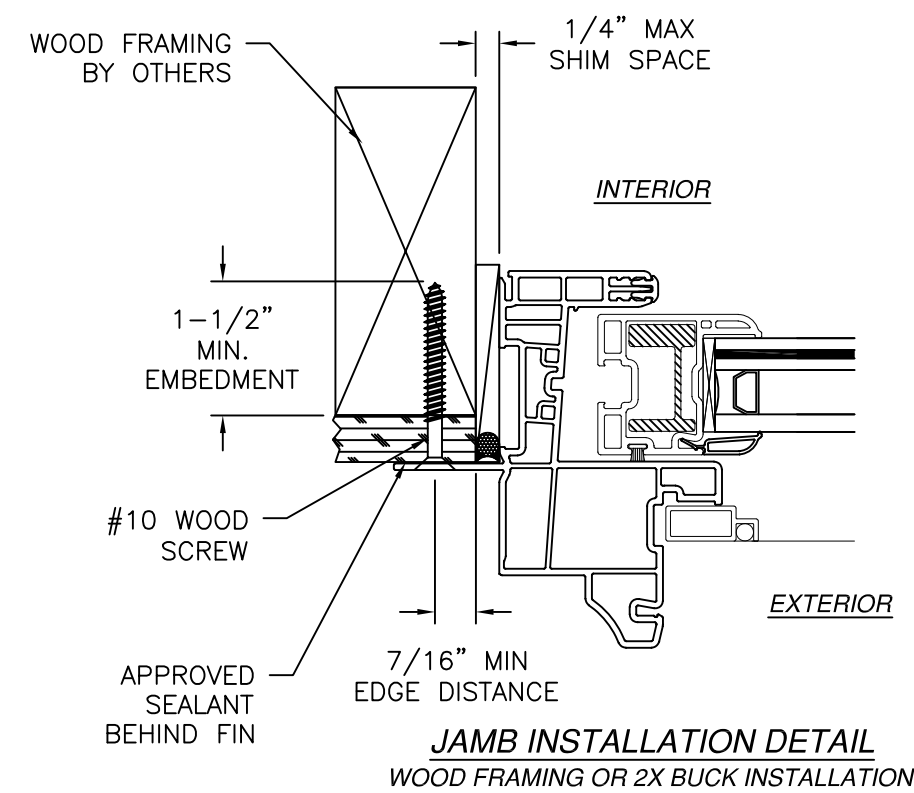
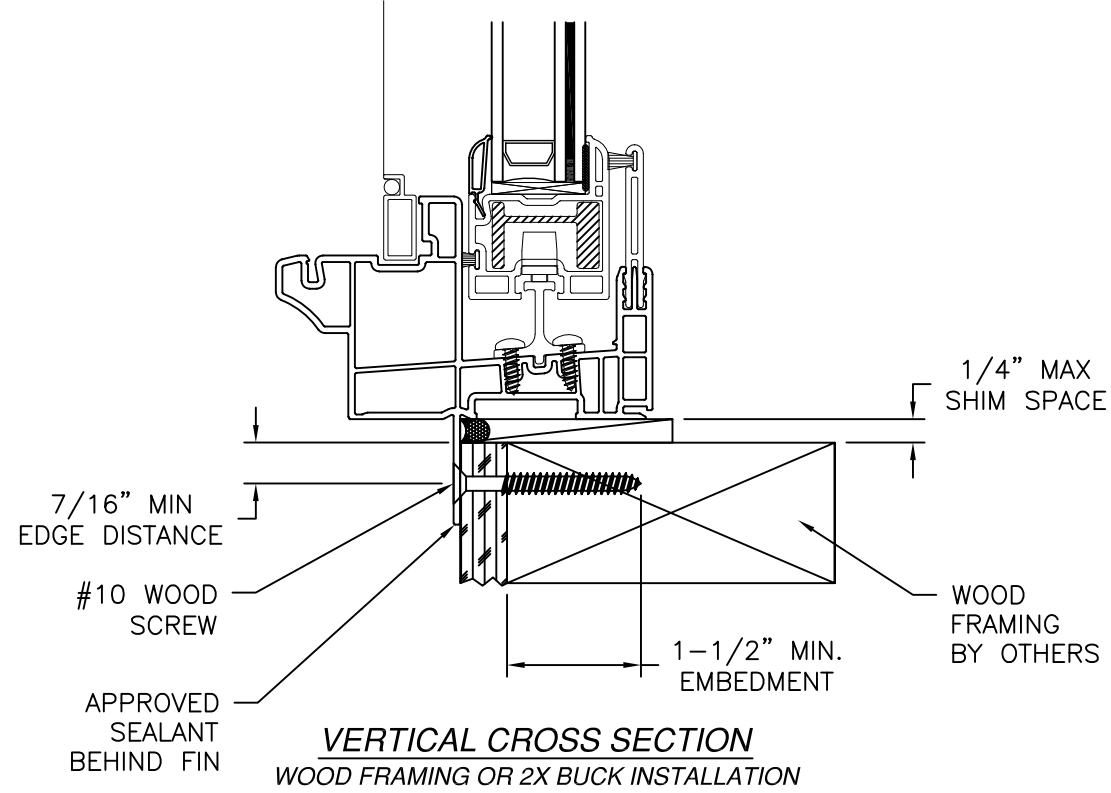
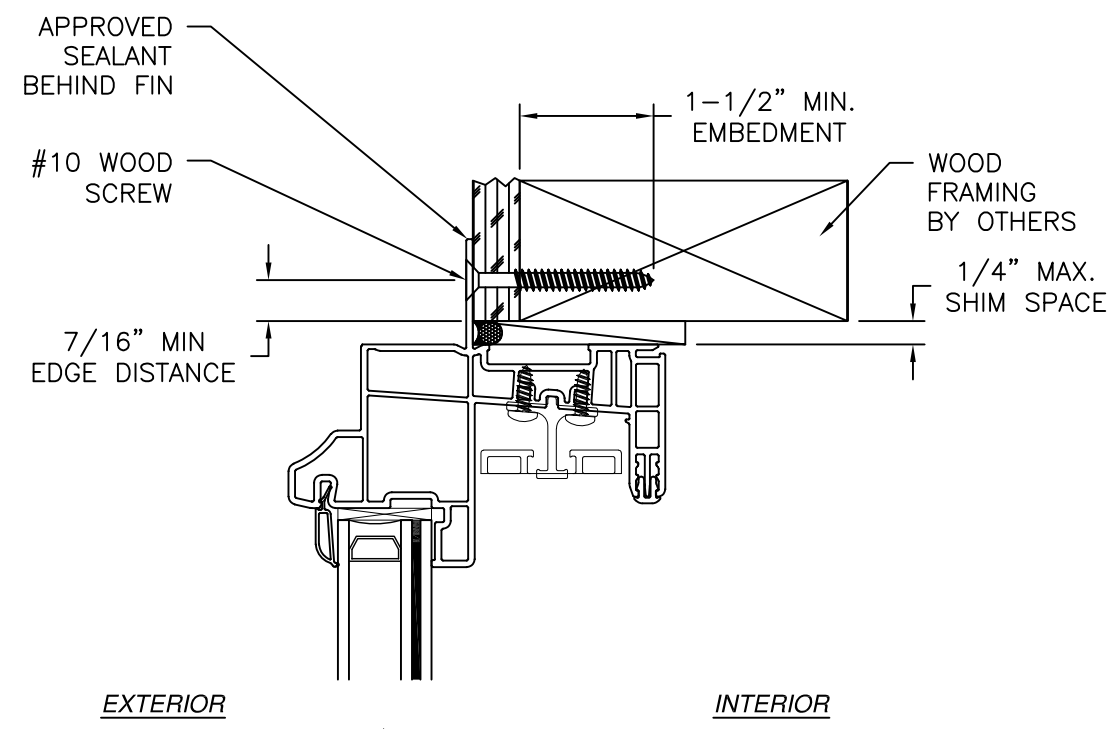
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Eastern
ARCHITECTURAL SYSTEMS
ALUMINUM AND VINYL
IMPACT WINDOWS AND DOORS

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A DIVISION OF
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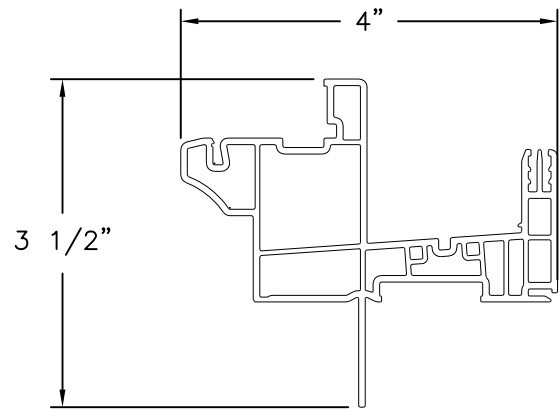
SERIES 176 HRP 424 SGP VINYL
HORIZONTAL SLIDING WINDOW IMPACT
INSTALLATION DETAILS

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SCALE NTS	DATE 03/01/23	SHEET 7 OF 8

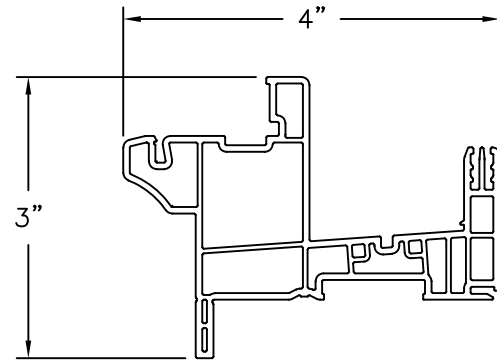
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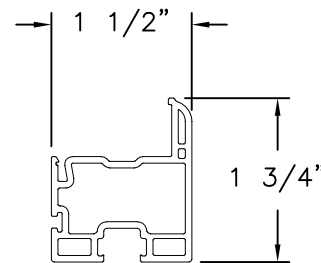
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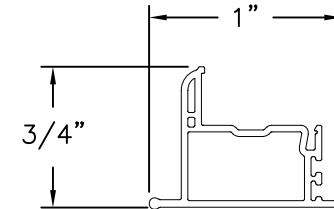
**MAIN FRAME
FIN INSTALLATION (4761)**
EXTRUDED RIGID PVC



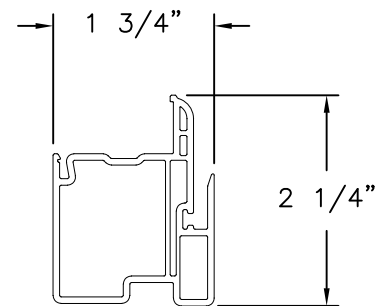
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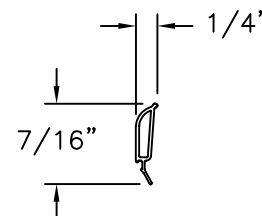
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EXTRUDED RIGID PVC



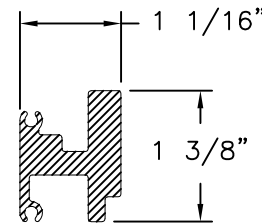
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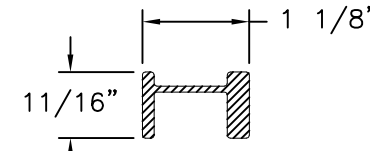
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EXTRUDED RIGID PVC



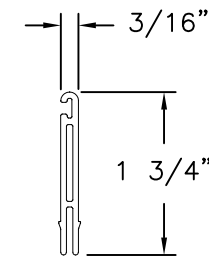
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REINFORCEMENT (55556)
6005-T5 ALUMINUM



REINFORCEMENT (55557)
6005-T5 ALUMINUM



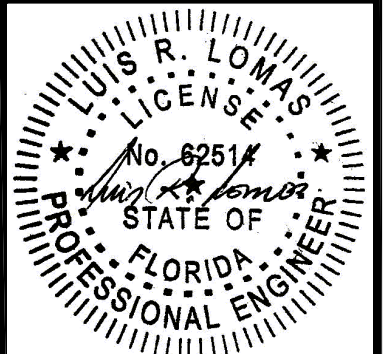
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 EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF CORNERSTONE BUILDING BRANDS 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204		
SERIES 176 HRP 424 SGP VINYL HORIZONTAL SLIDING WINDOW IMPACT COMPONENTS		
DRAWN: A.R.	DWG NO. 08-03890	REV A
SCALE NTS	DATE 03/01/23	SHEET 9 OF 8
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