

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	08/30/2023	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. 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 ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #10 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 THROUGH FIN 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.
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 3/16" 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.
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:
 - 19.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.46
 - 19.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - 19.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 19.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM
20. APPROVED CONFIGURATIONS: XO AND OX.
21. THIS PRODUCT COMPLIES WITH FORCE ENTRY LEVEL 5/GRADE 40.

SIGNED: 08/30/2023

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2	ELEVATIONS
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4 – 11	INSTALLATION DETAILS
12	COMPONENTS

SHWINCO ARCHITECTURAL PRODUCTS, LLC
171 JET SERVICES WAY
DOTHAN, AL 36303

SECURITY SERIES 6050 VINYL HORIZONTAL SLIDING WINDOW 74" X 63" NON-IMPACT NOTES

DRAWN:
A.R.

DWG NO.
08-03741

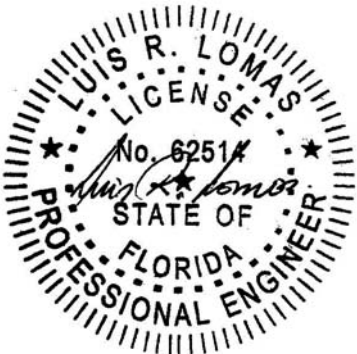
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SCALE NTS

DATE 06/14/2021

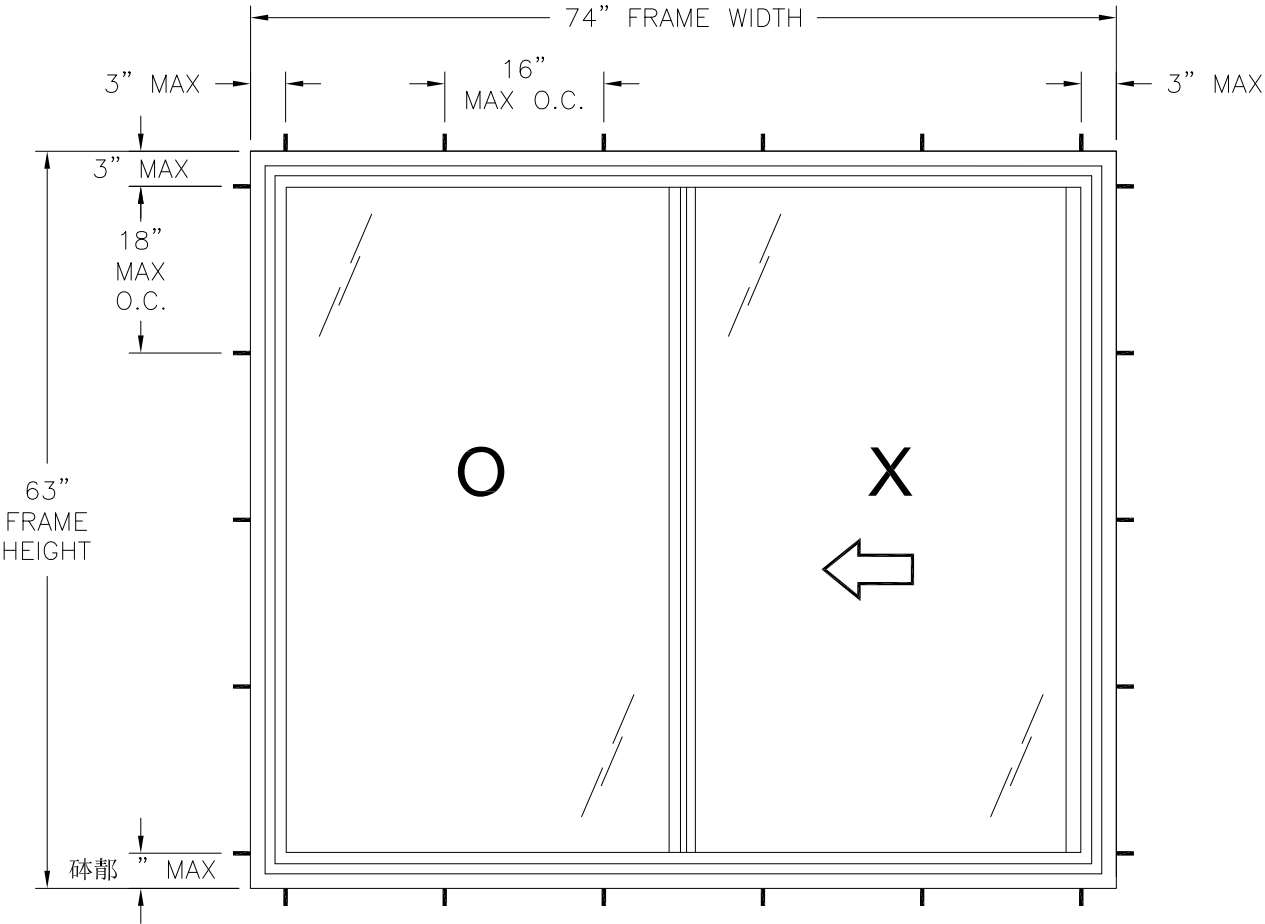
SHEET 1 OF 12

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

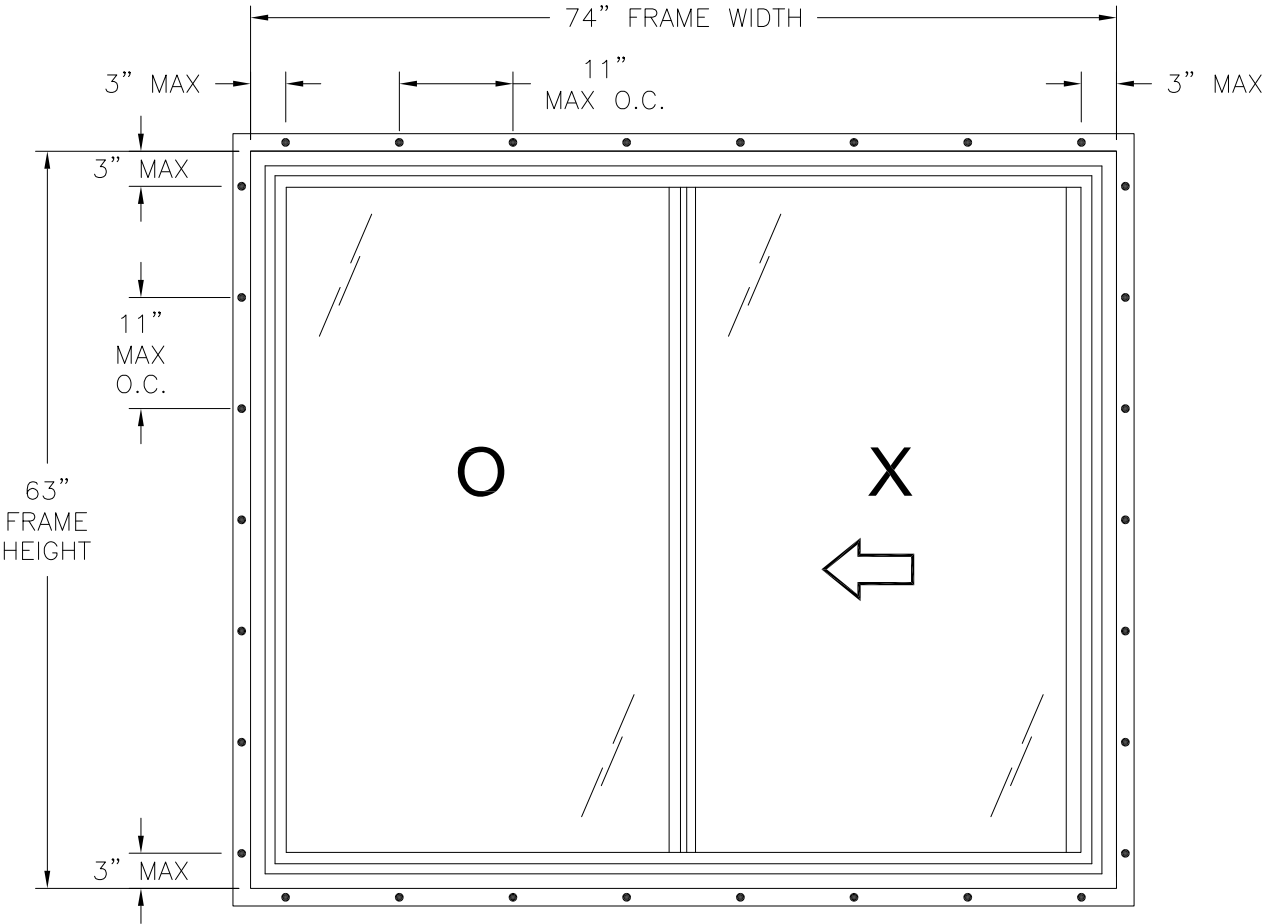


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SECURITY SERIES 6050 HS WINDOW
EXTERIOR VIEW
FINLESS AND FLANGE INSTALLATION



SECURITY SERIES 6050 HS WINDOW
EXTERIOR VIEW
FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	NONE

NOTES:
1. SASH SIZE: 33" X 60 7/8"
2. D.L.O.: 34" X 57 3/8"

HARDWARE SCHEDULE	
A.	LOCK (TRUTH A09200411) AT LOCK RAIL, 6 1/2" FROM HEAD AND SILL
B.	KEEPERS (TRUTH 32942) AT FIXED MEETING RAIL, 6" FROM HEAD AND SILL
C.	TILT LATCH (HTL-133-310 RH/LH DALWORTH) AT LOCK RAIL
D.	BOTTOM ROLLER (VISION 11552) AT EACH END OF BOTTOM RAIL OF EACH VENT
E.	ALUMINUM REINFORCEMENT (T-11211) AT SASH SIDE RAILS
F.	ALUMINUM REINFORCEMENT (T-11222) AT LOCK RAIL AND LIFT RAIL
G.	ALUMINUM REINFORCEMENT (T-11333) AT MEETING RAIL

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SECURITY SERIES 6050 VINYL HORIZONTAL SLIDING
WINDOW 74" X 63" NON-IMPACT
ELEVATIONS

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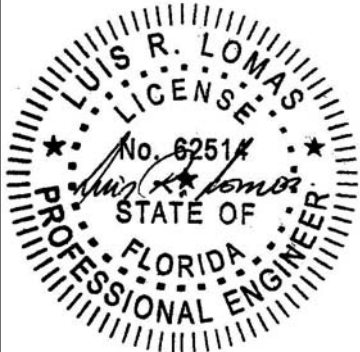
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DATE 06/14/2021

SHEET 2 OF 12

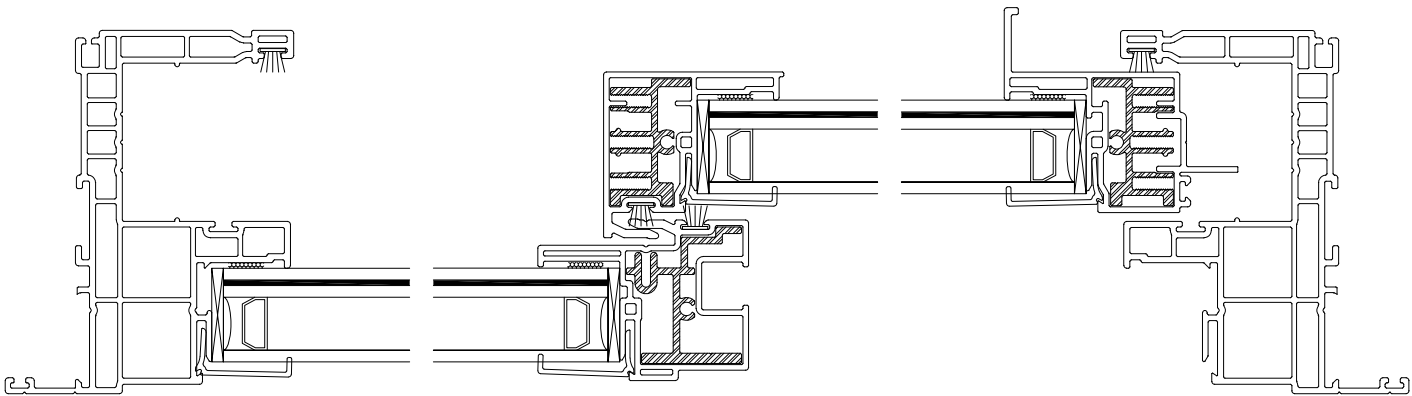
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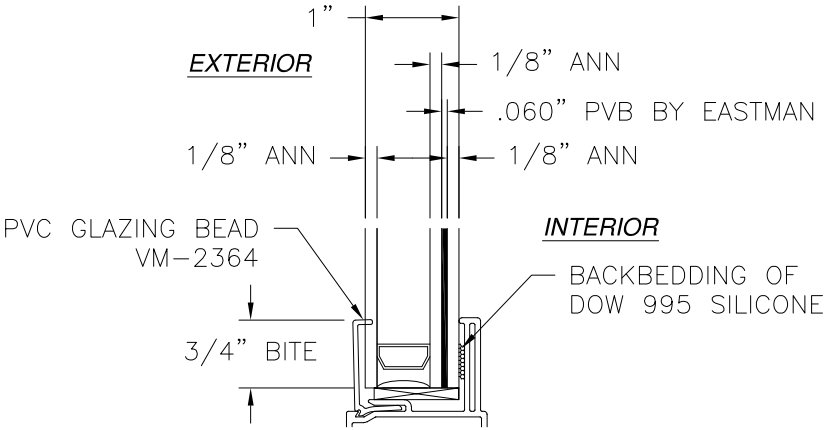


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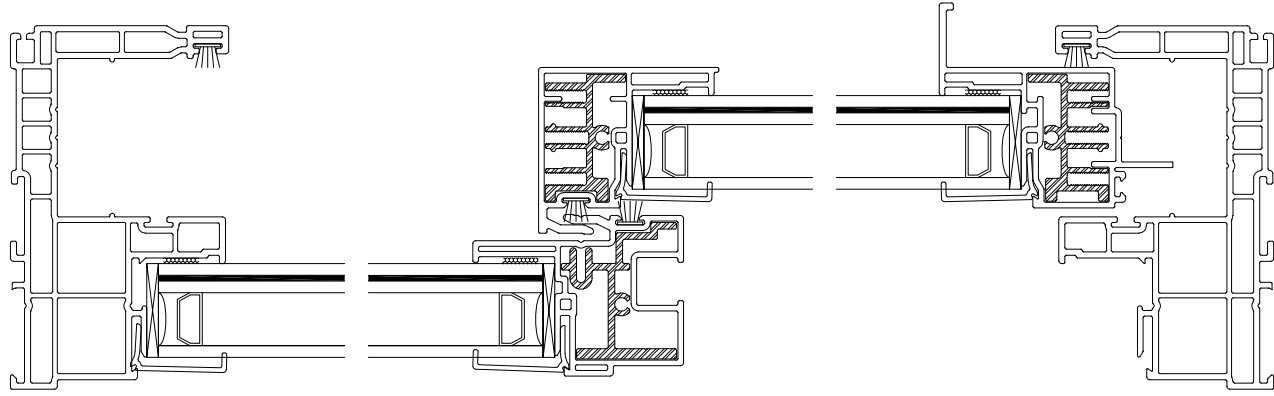
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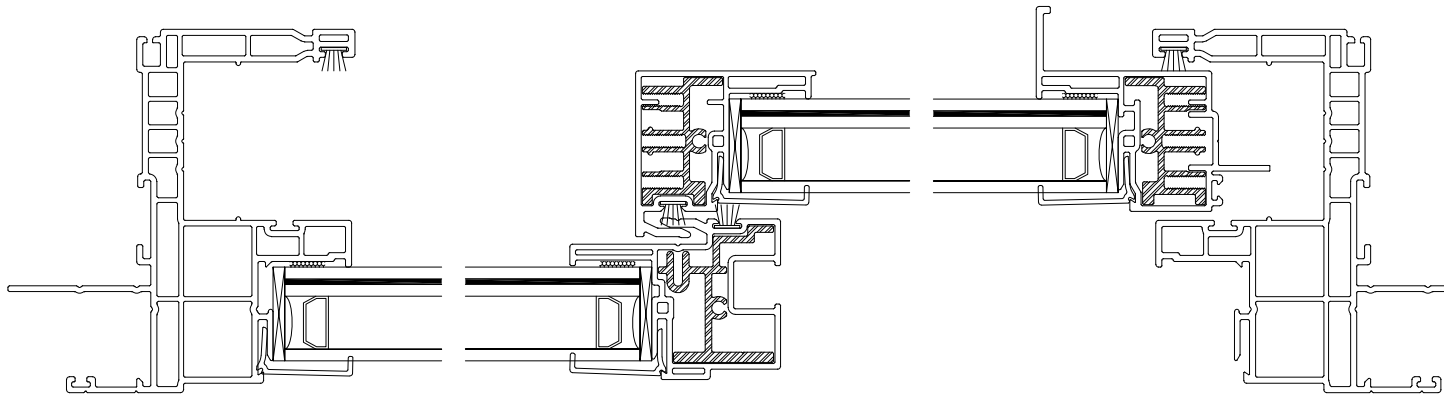
HORIZONTAL CROSS SECTION
FLANGE FRAME



GLAZING DETAIL



HORIZONTAL CROSS SECTION
FINLESS FRAME



HORIZONTAL CROSS SECTION
FIN FRAME

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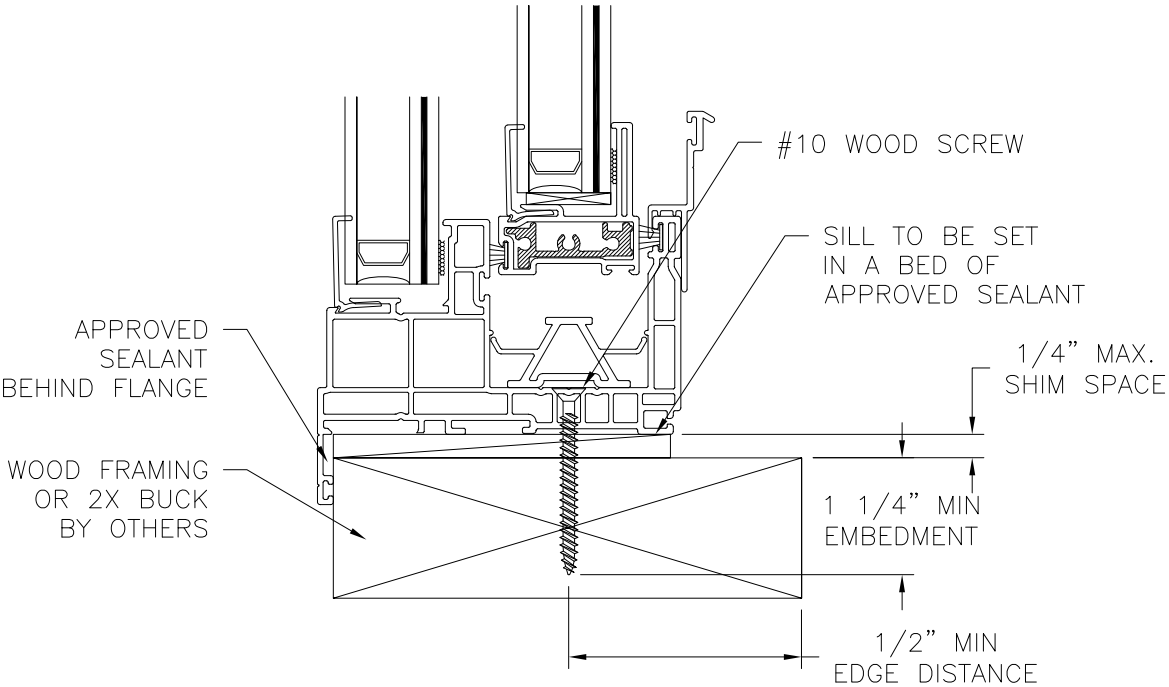
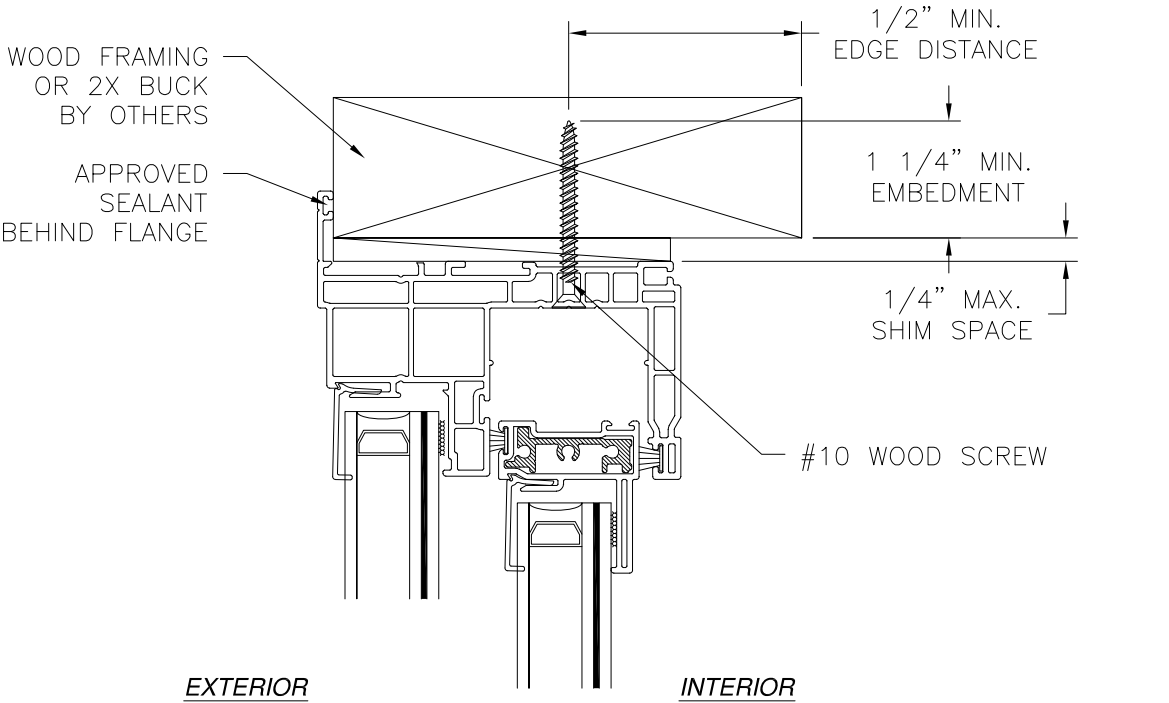
SECURITY SERIES 6050 VINYL HORIZONTAL SLIDING
WINDOW 74" X 63" NON-IMPACT
HORIZONTAL CROSS SECTIONS & GLAZING DETAIL

DRAWN: A.R.	DWG NO. 08-03741	REV A
SCALE NTS	DATE 06/14/2021	SHEET 3 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

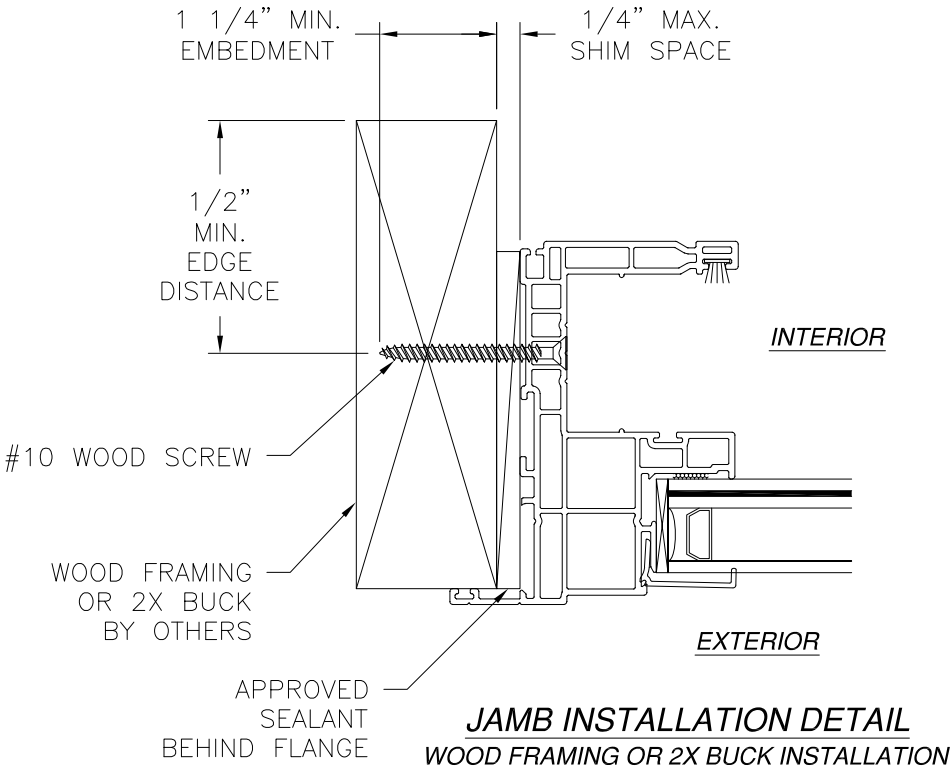


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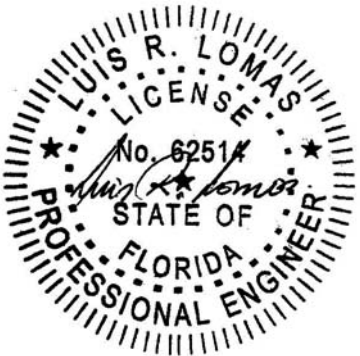
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



- 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**

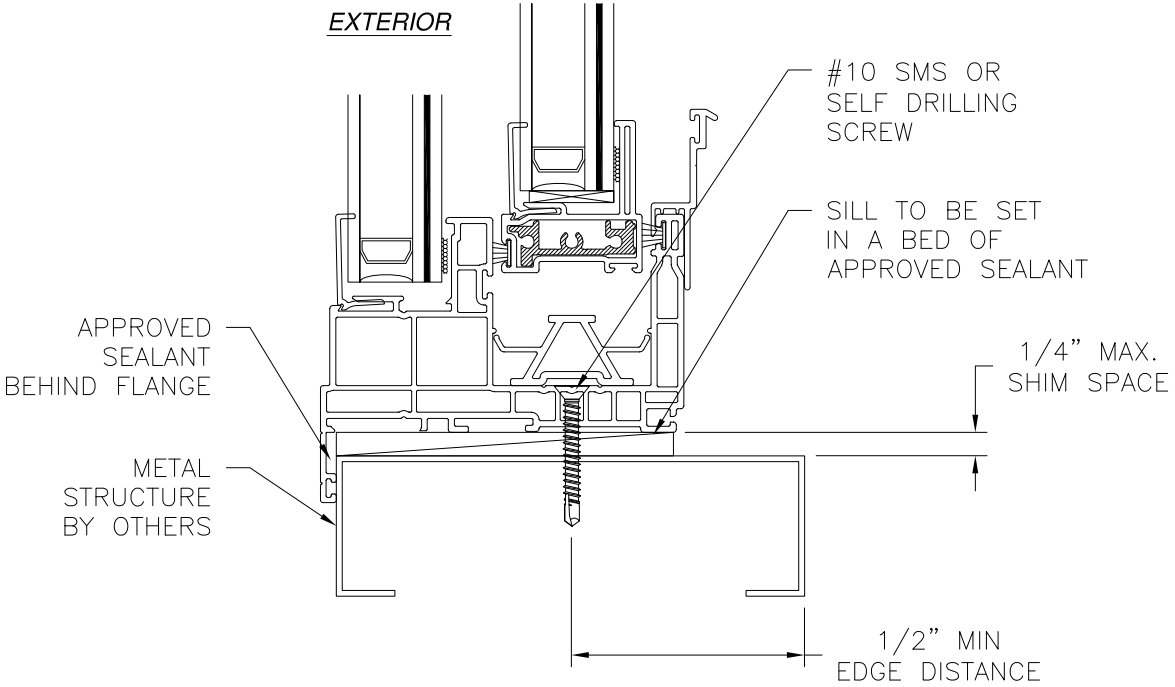
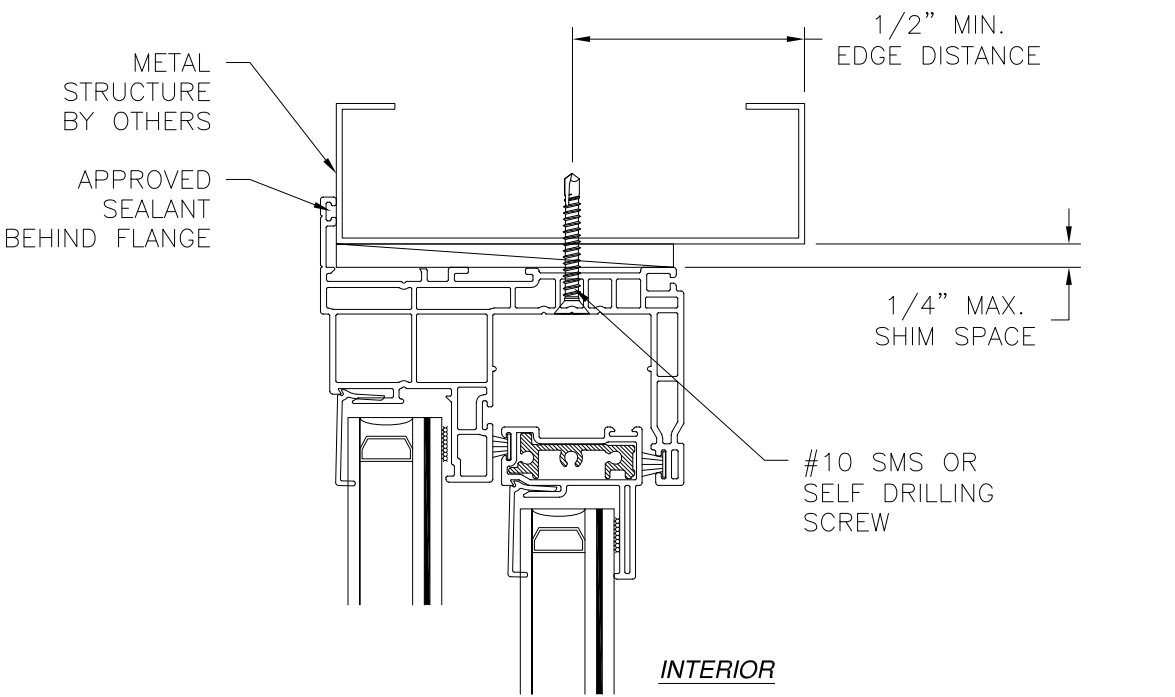
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SHWINCO ARCHITECTURAL PRODUCTS, LLC		
171 JET SERVICES WAY DOTHAN, AL 36303		
SECURITY SERIES 6050 VINYL HORIZONTAL SLIDING WINDOW 74" X 63" NON-IMPACT FLANGE INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03741	REV A
SCALE NTS	DATE 06/14/2021	SHEET 4 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

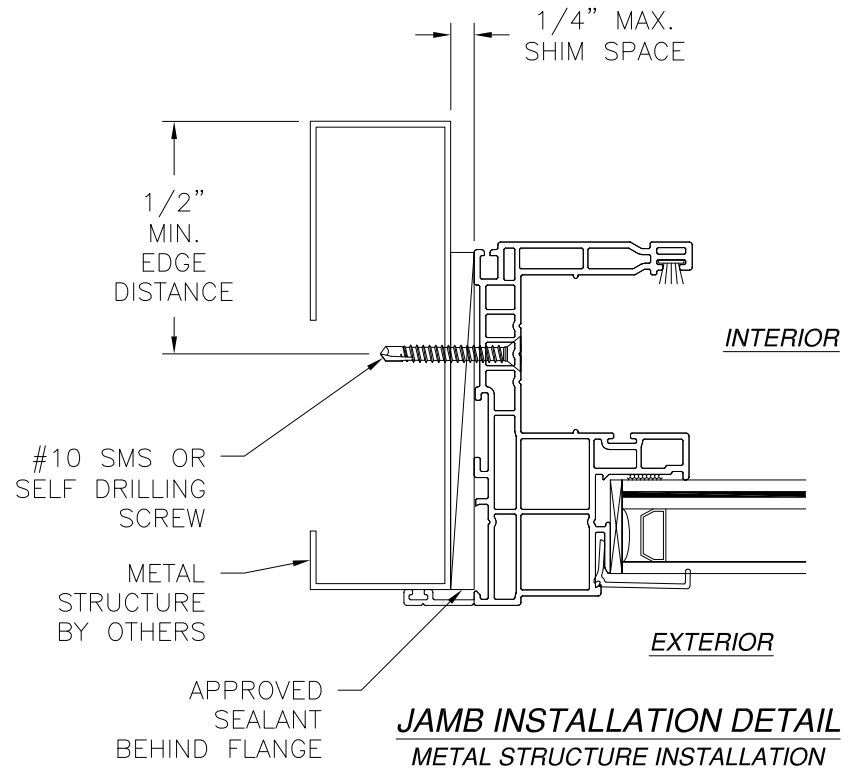


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:
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171 JET SERVICES WAY
DOTHAN, AL 36303

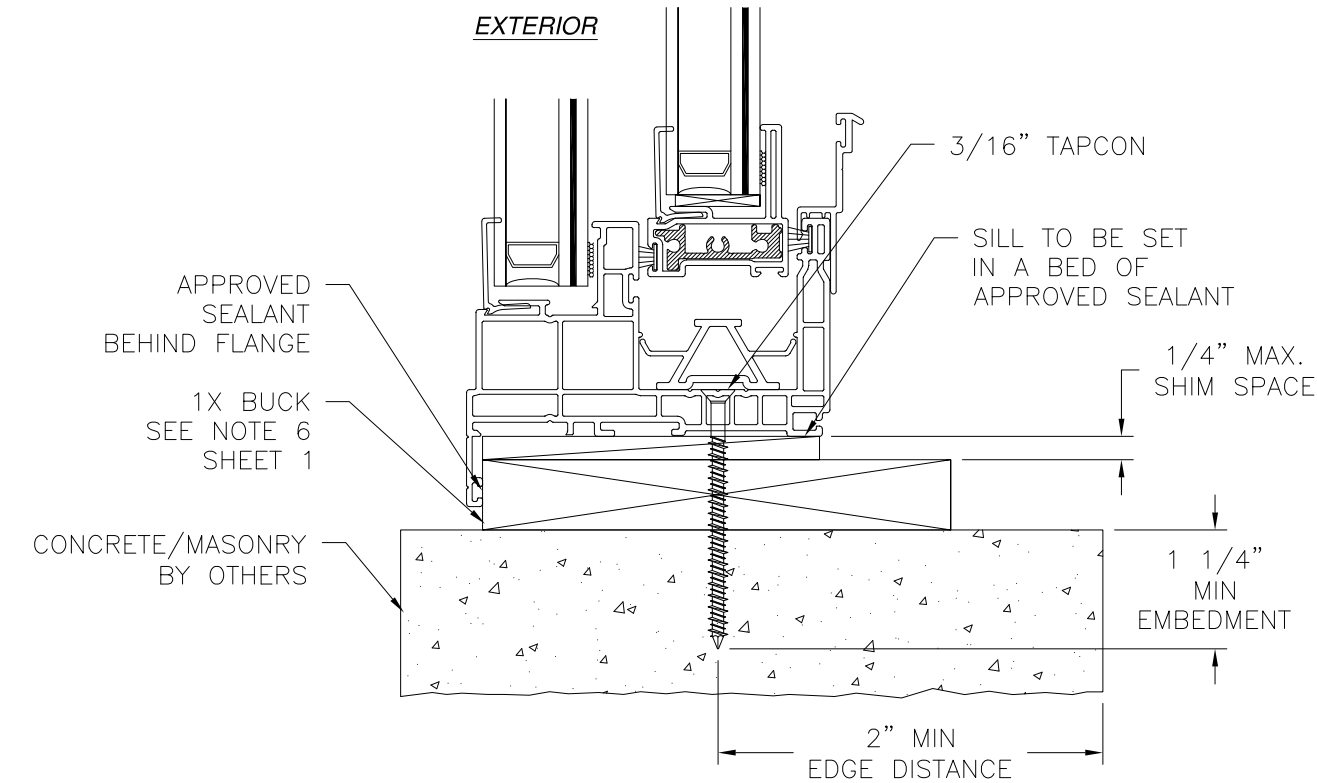
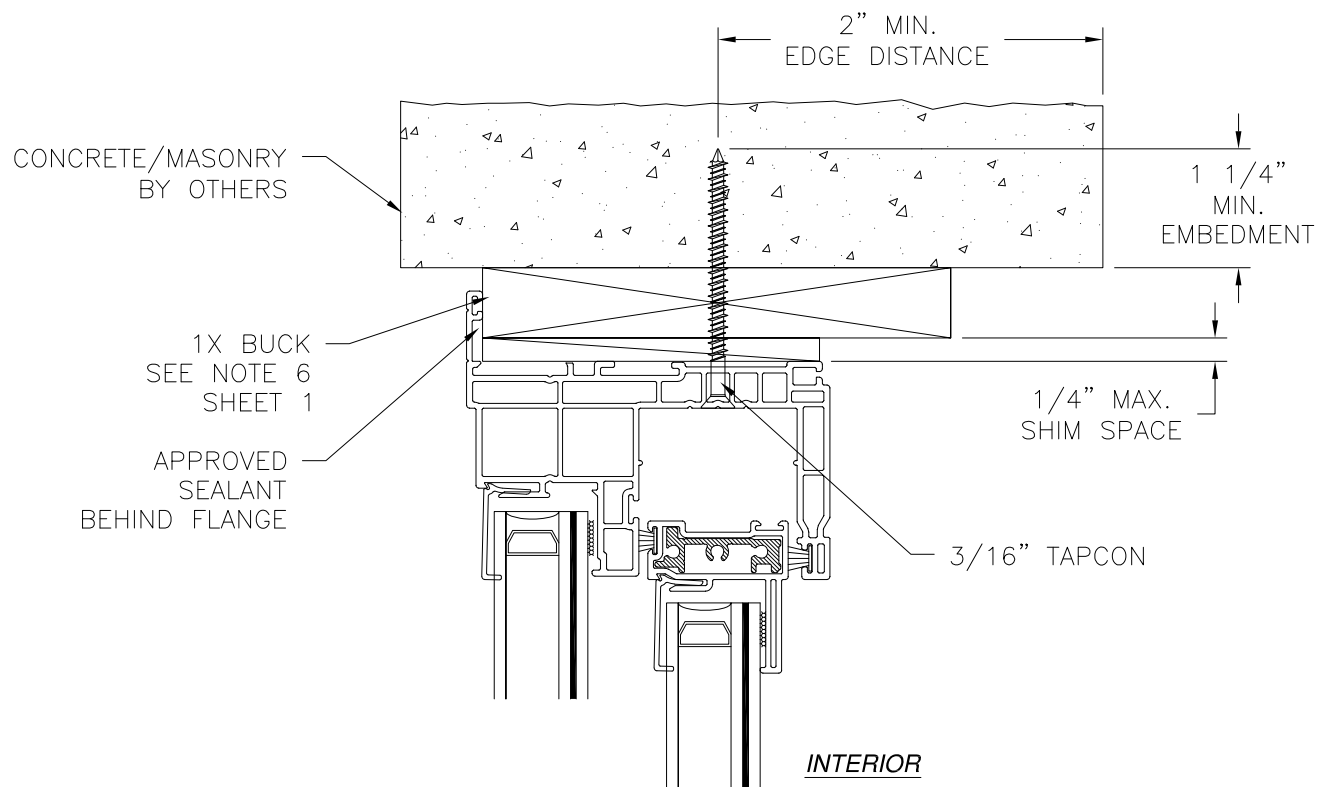
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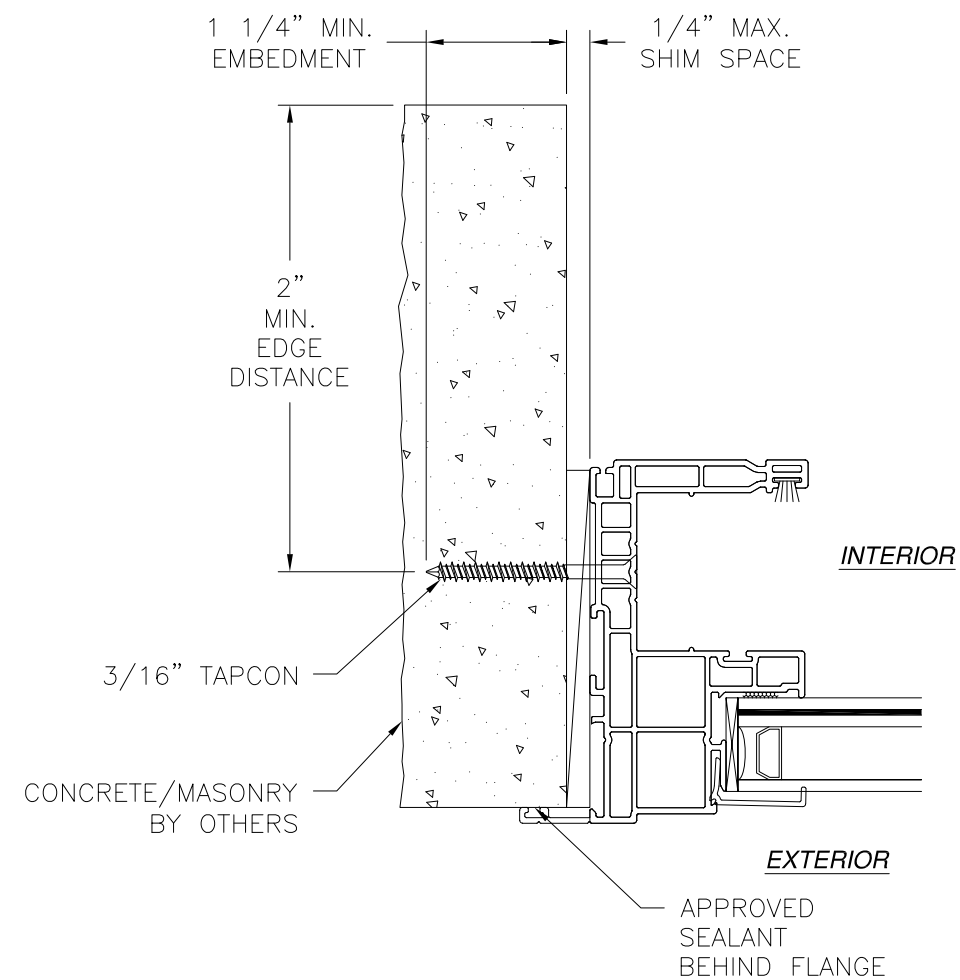
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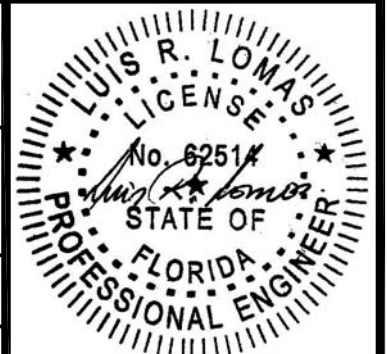
VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL



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

- NOTES:**
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 E212

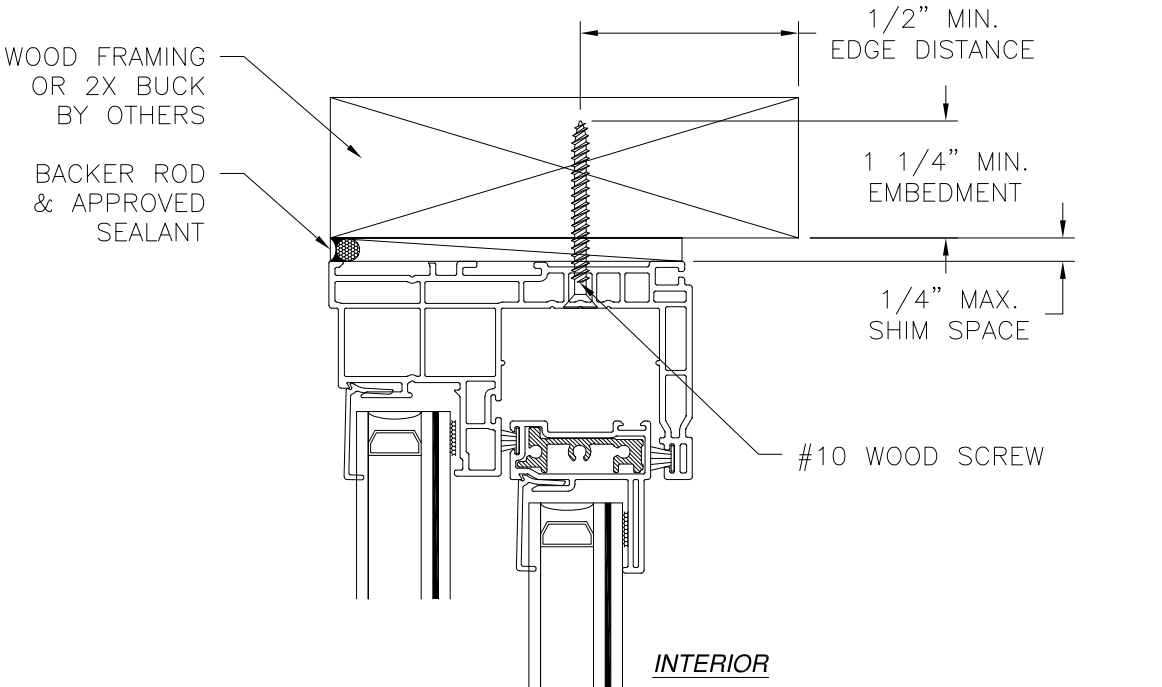
SHWINCO ARCHITECTURAL PRODUCTS, LLC 171 JET SERVICES WAY DOTHAN, AL 36303		
SECURITY SERIES 6050 VINYL HORIZONTAL SLIDING WINDOW 74" X 63" NON-IMPACT FLANGE INSTALLATION DETAILS		
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SCALE NTS	DATE 06/14/2021	SHEET 6 OF 12
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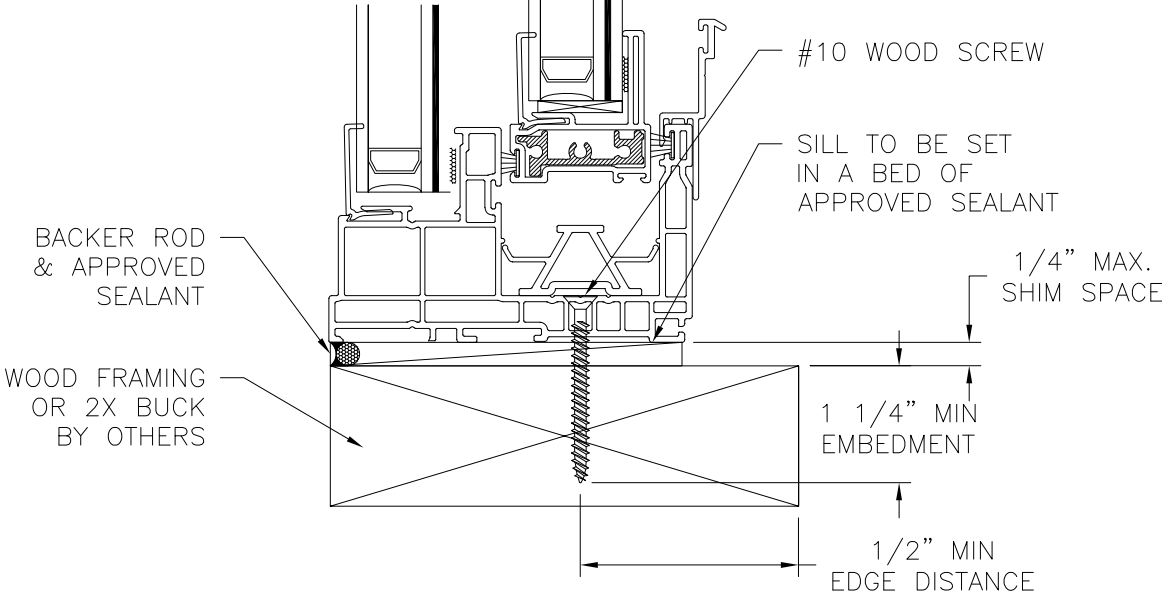
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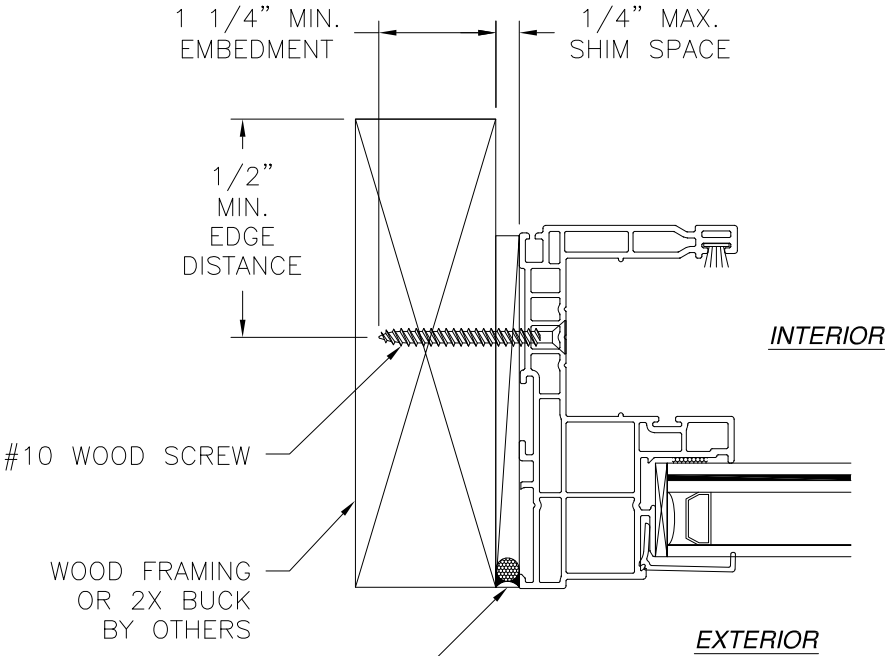
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EXTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:**
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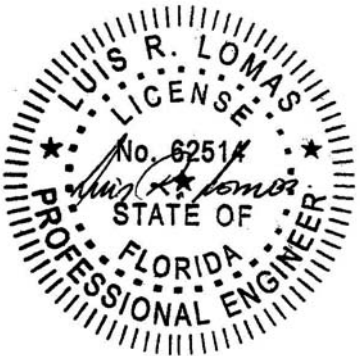
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171 JET SERVICES WAY
DOTHAN, AL 36303

SECURITY SERIES 6050 VINYL HORIZONTAL SLIDING
WINDOW 74" X 63" NON-IMPACT
FINLESS INSTALLATION DETAILS

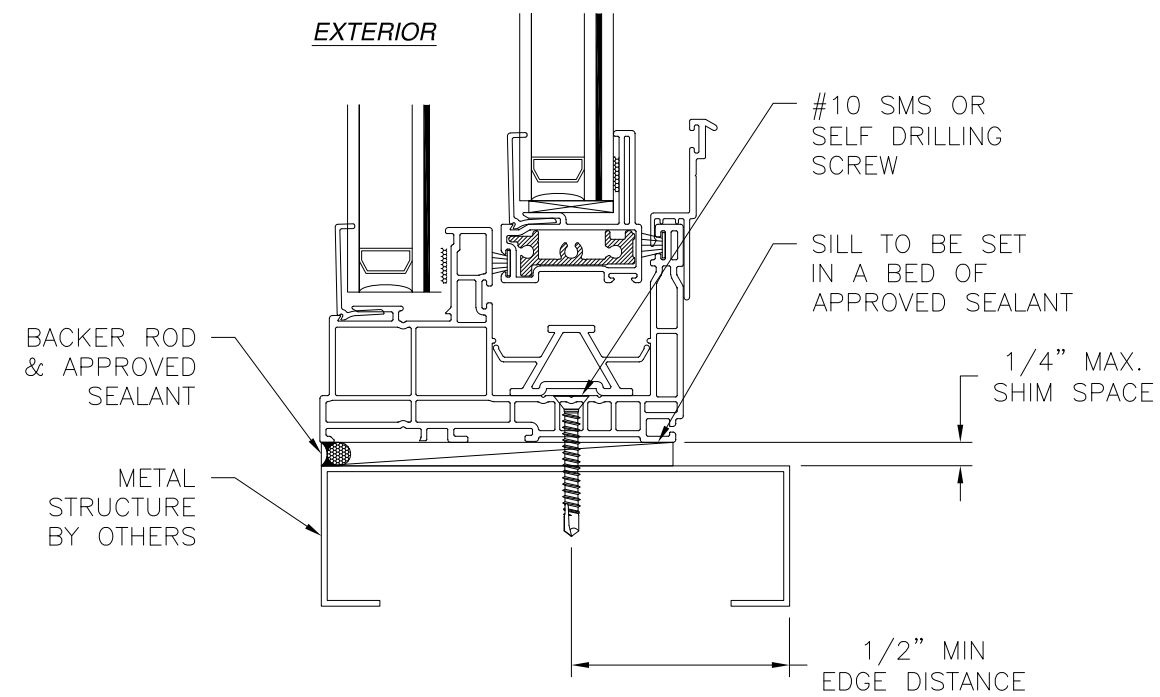
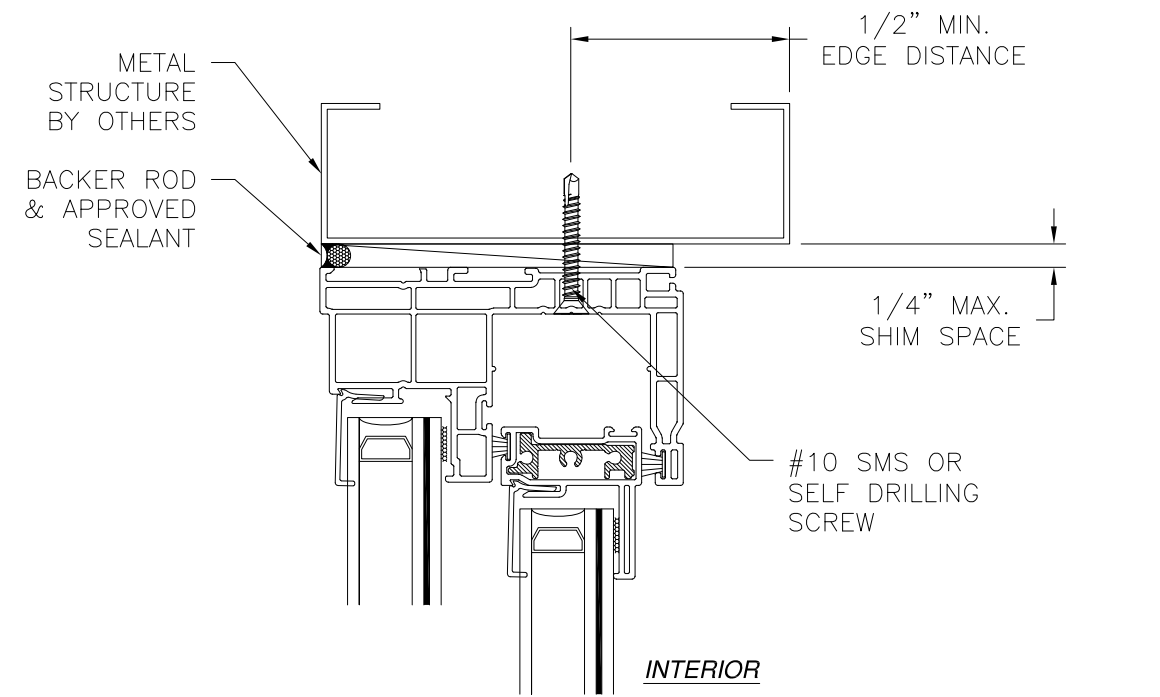
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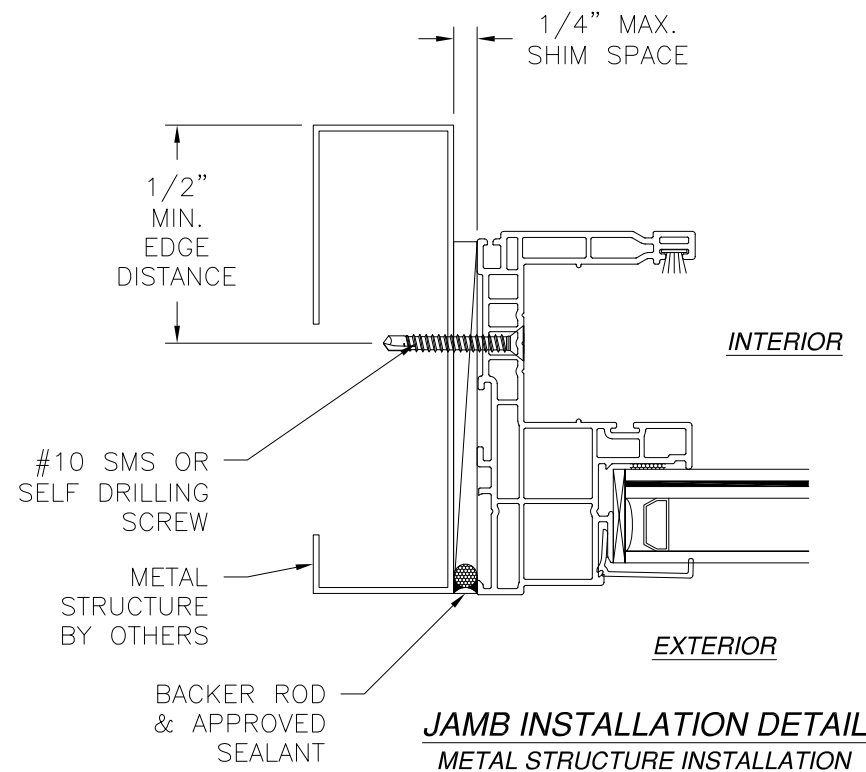


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



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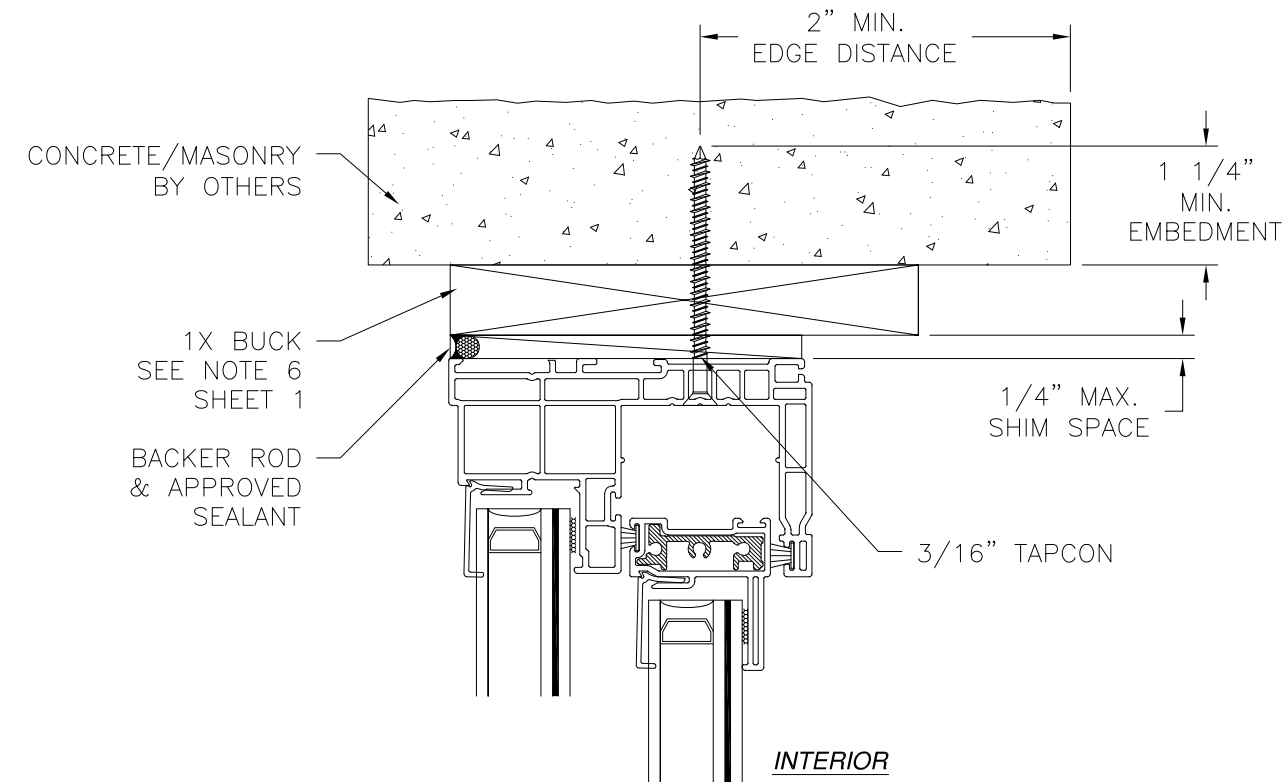
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SCALE NTS	DATE 06/14/2021	SHEET 8 OF 12

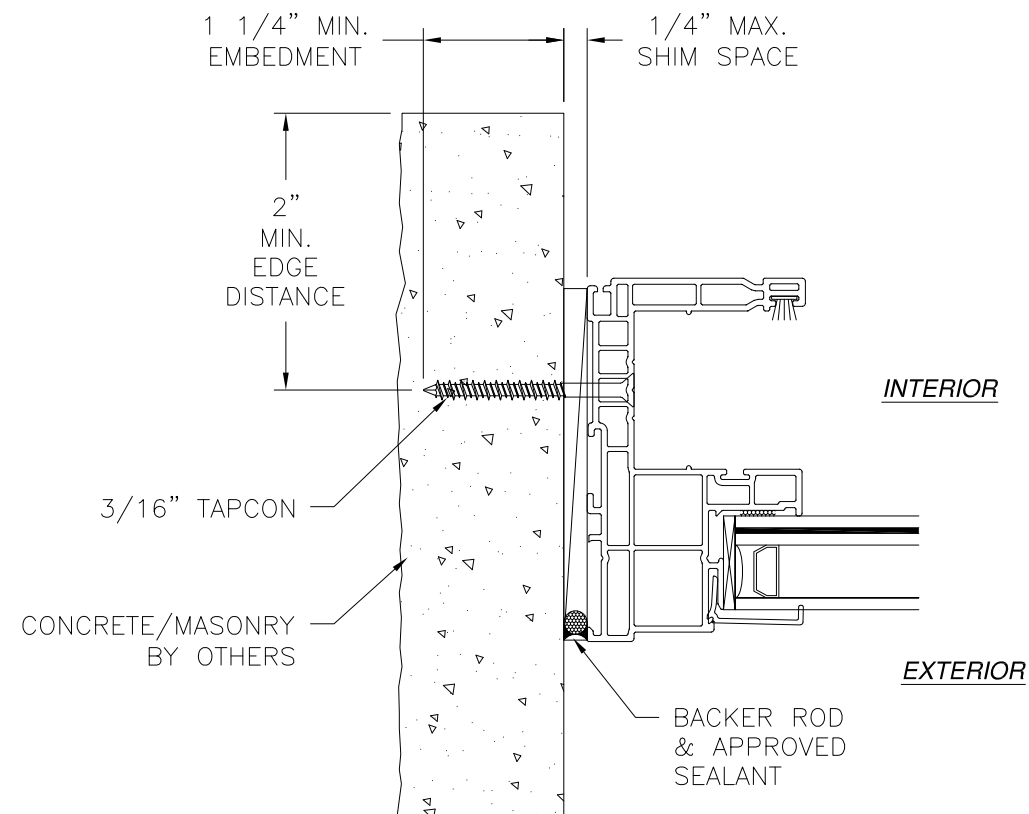
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VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



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

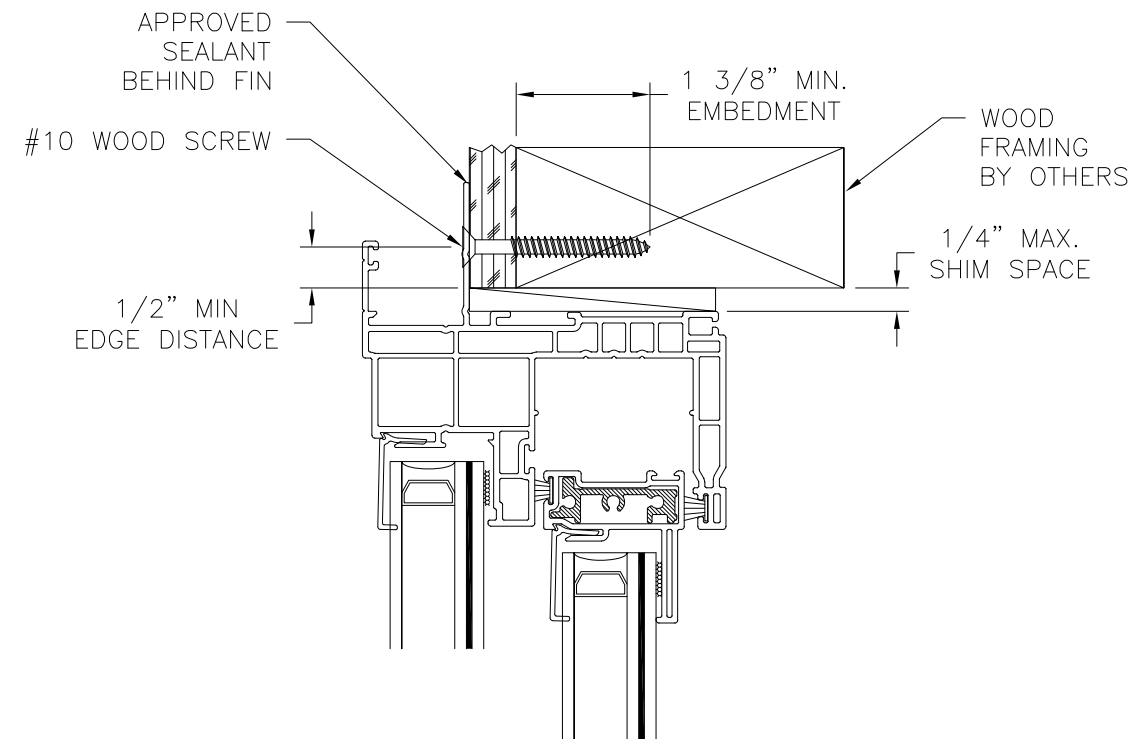
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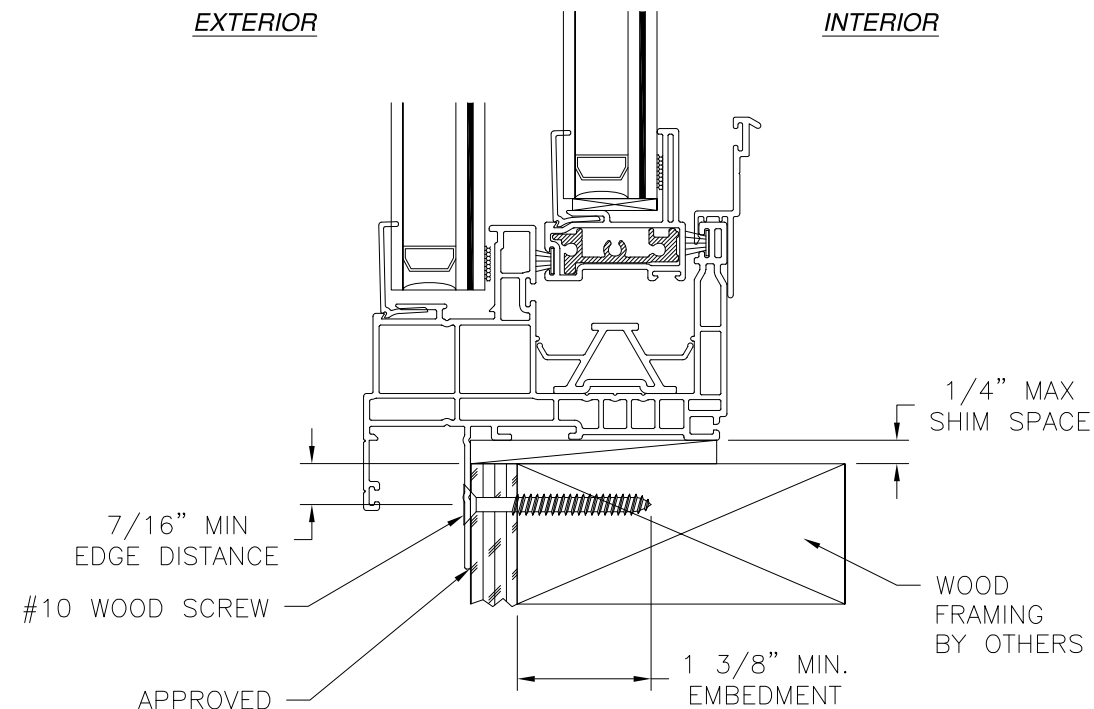
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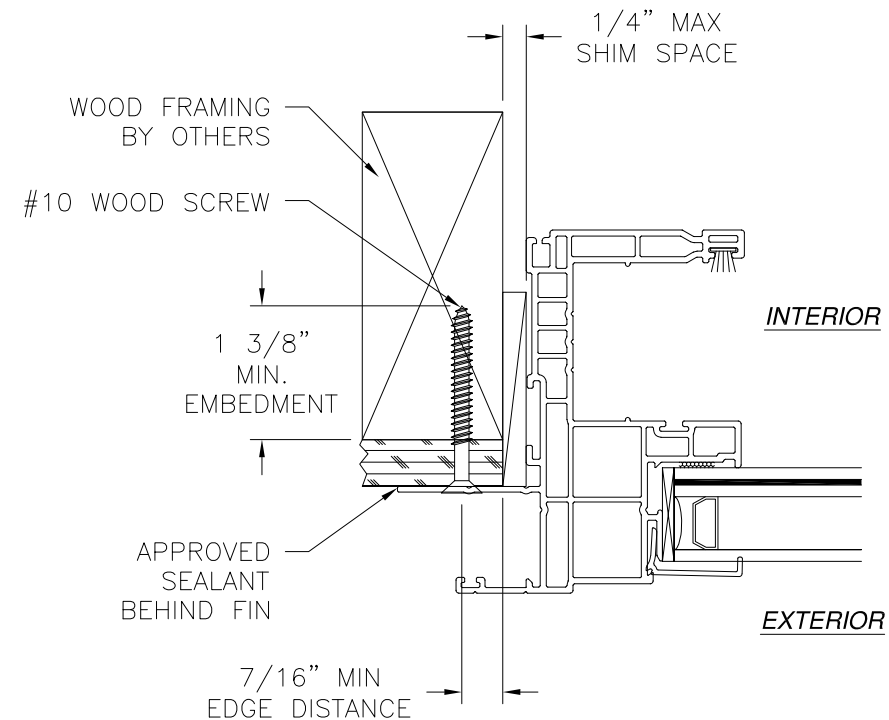


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:

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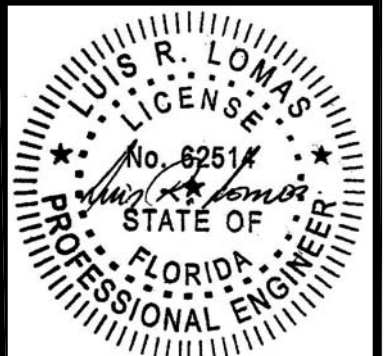
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FIN INSTALLATION DETAILS

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SCALE NTS DATE 06/14/2021 SHEET 10 OF 12

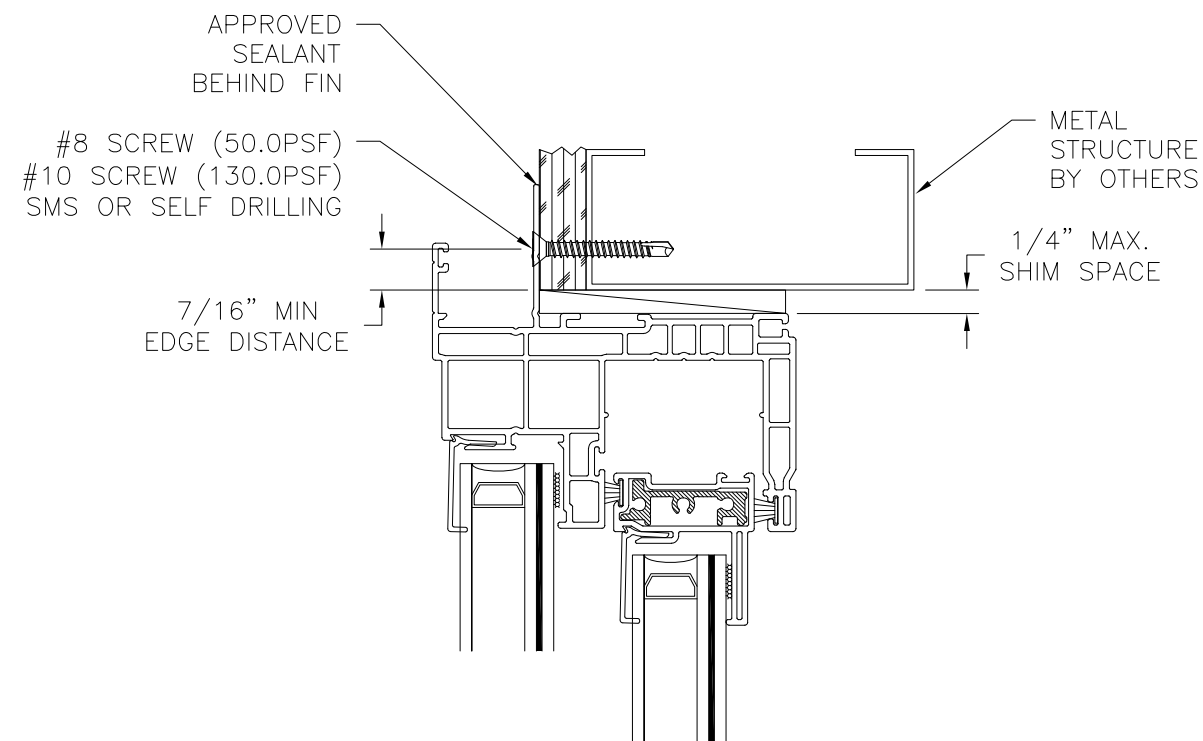
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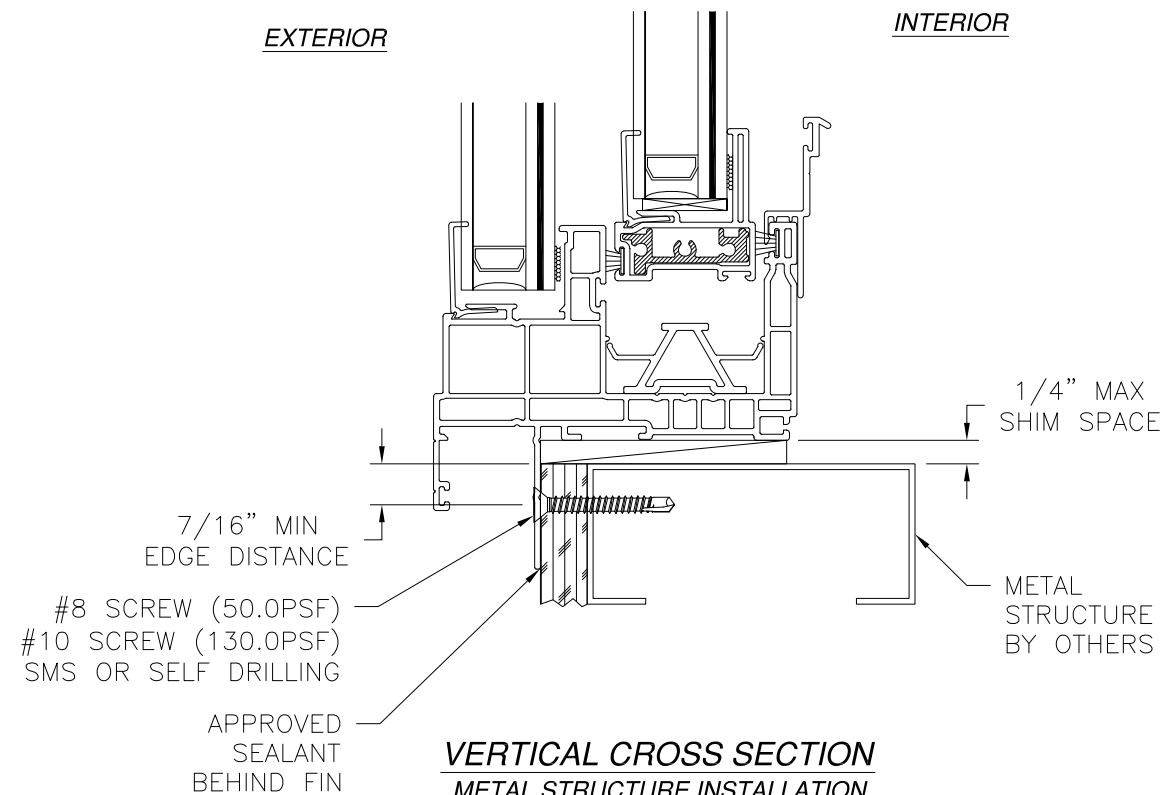
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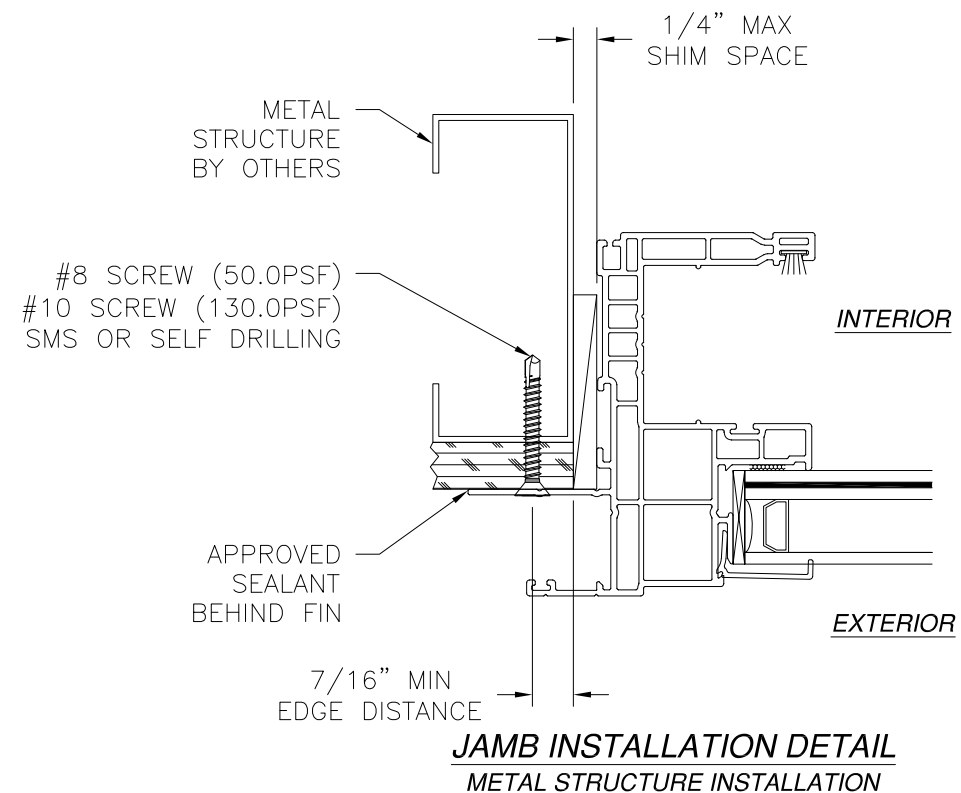


EXTERIOR

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: 08/30/2023

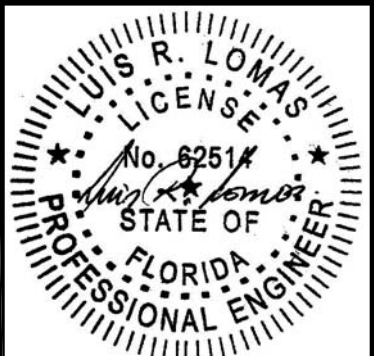
SHWINCO ARCHITECTURAL PRODUCTS, LLC
171 JET SERVICES WAY
DOTHAN, AL 36303

**SECURITY SERIES 6050 VINYL HORIZONTAL SLIDING
WINDOW 74" X 63" NON-IMPACT
FIN INSTALLATION DETAILS**

DRAWN: A.R.	DWG NO. 08-03741	REV A
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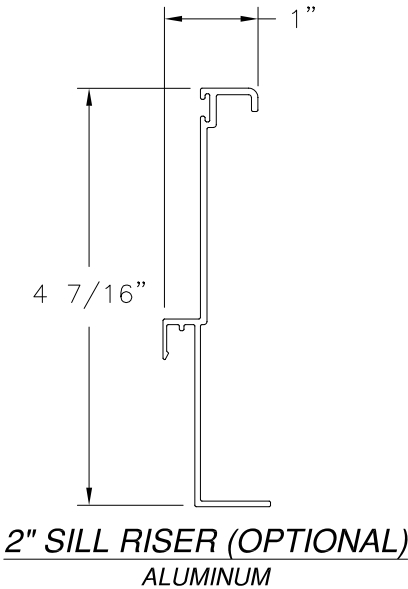
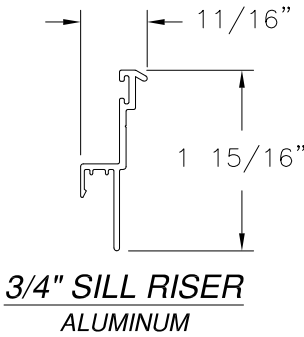
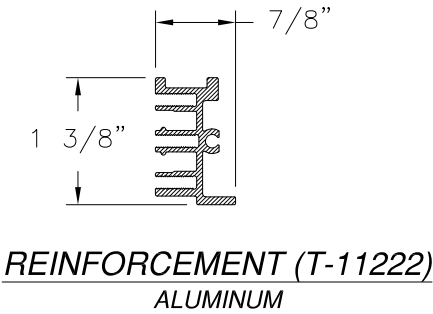
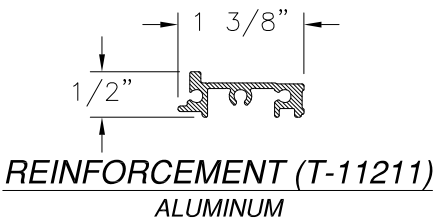
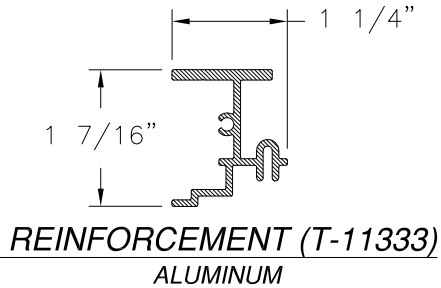
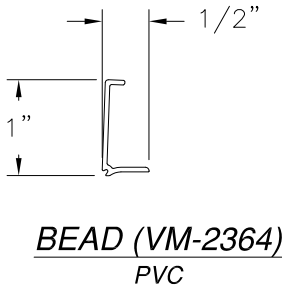
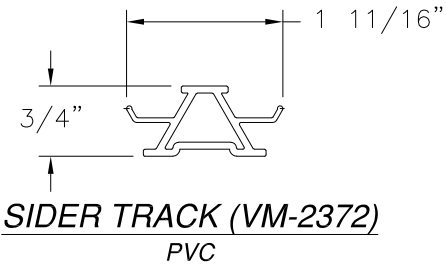
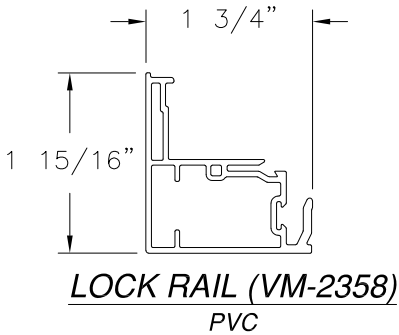
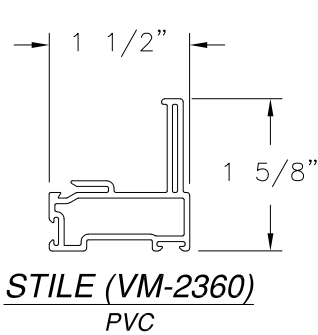
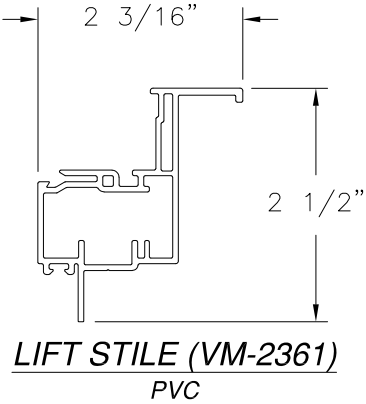
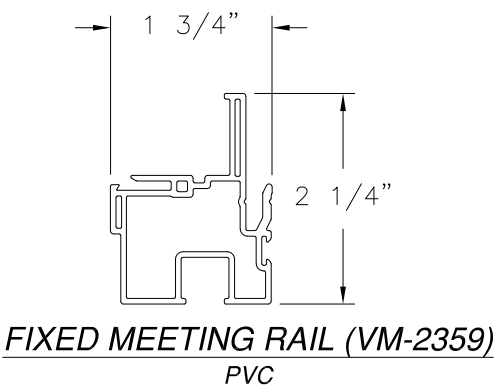
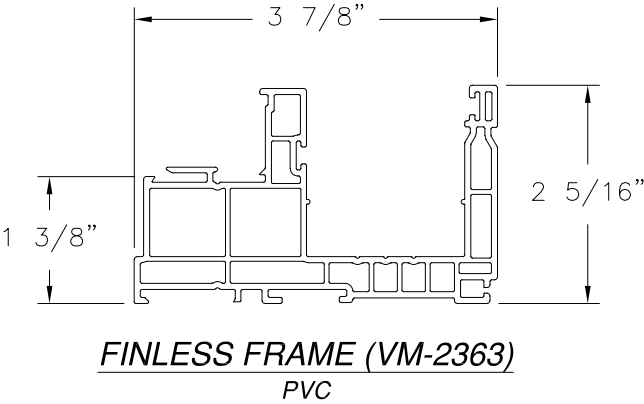
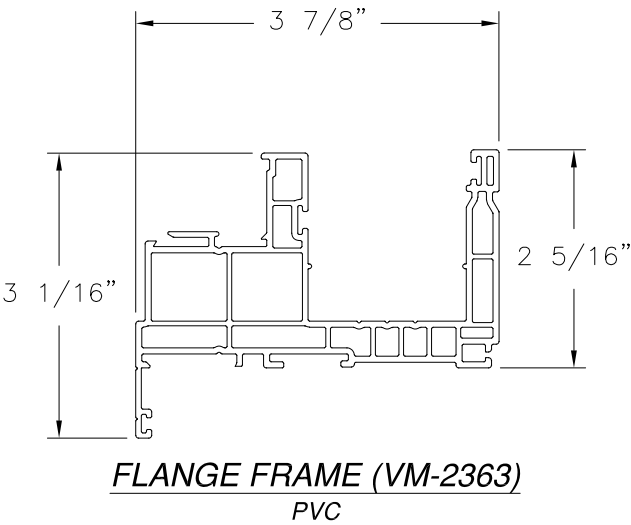
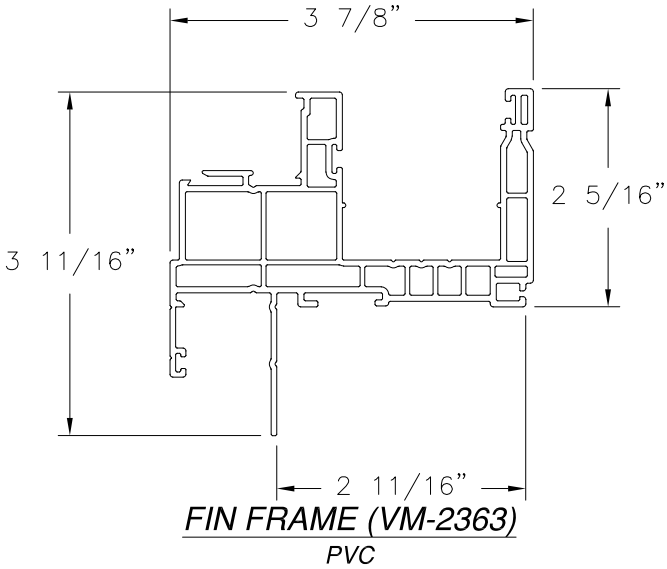
SCALE NTS	DATE 06/14/2021	SHEET 11 OF 12
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Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	08/30/2023	R.L.



SHWINCO ARCHITECTURAL PRODUCTS, LLC
171 JET SERVICES WAY
DOTHAN, AL 36303

SECURITY SERIES 6050 VINYL HORIZONTAL SLIDING WINDOW 74" X 63" NON-IMPACT COMPONENTS

DRAWN:
A.R.

DWG NO.
08-03741

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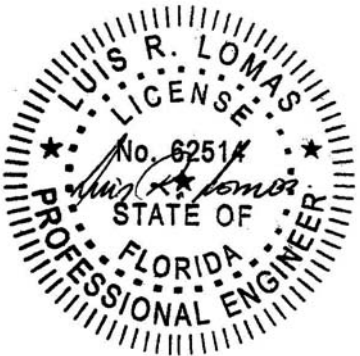
SCALE
NTS

DATE
06/14/2021

SHEET
12 OF 12

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SIGNED: 08/30/2023



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