

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/13/23	R.L.

NOTES:

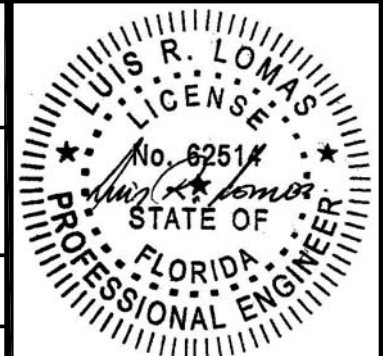
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT 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 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 WITH SAFETY GLAZING.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FRAME 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.
14. 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 1-1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. 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.
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
  - 17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
  - 17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
  - 17.3. MASONRY: HOLLOW/GROUT FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
  - 17.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM

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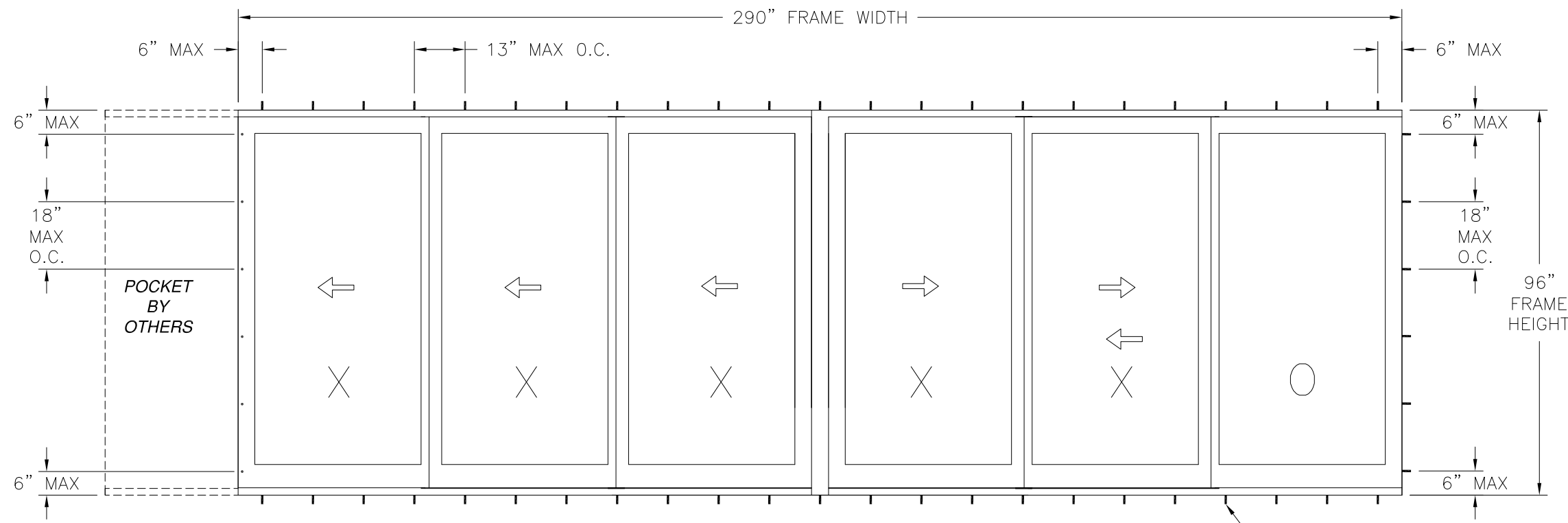
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1	NOTES
2	ELEVATION
3	HORIZONTAL CROSS SECTIONS
4 - 10	INSTALLATION DETAILS
11	COMPONENTS

<b>EASTERN ARCHITECTURAL SYSTEMS</b> 16341 DOMESTIC AVENUE FORT MYERS, FL 33192		
SERIES 650 VINYL SGD W/ & W/O POCKET LC-PG80 NON-IMPACT NOTES		
DRAWN: R.L.	DWG NO. 08-03546	REV A
SCALE NTS	DATE 04/29/2020	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

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NOTES:  
 1. PANEL SIZE: 50 1/4" x 92 3/4"  
 2. MAXIMUM D.L.O.: 41 1/2" x 84 1/4"

**650 VINYL SGD XXXXXO**  
 EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±80.0 PSF	NONE

WITH 1.44" AND 1.94" SILL RISER

REFER TO INSTALLATION DETAILS FOR NUMBER OF ANCHORS AT EACH LOCATION

Configuration	Frame width	Frame height	Rating (PSF)
OXXXXX	290"	96"	80.0
OXO	150 9/16"	96"	80.0

**HARDWARE SCHEDULE**

A.	2 POINT MORTISE LOCK W/HANDLE 52 1/2" FROM TOP OF LOCK STILES
B.	METAL ASTRAGAL STILE AT LOCK JAMB
C.	1983 TANDEM AXLE & PR05 ROLLER BY AMESBURY AT BOTTOM RAILS
D.	ALUMINUM ASTRAGAL 10300233 AT ACTIVE PANEL
E.	ALUMINUM REINFORCEMENT AT PANEL TOP, BOTTOM AND LOCK STILE

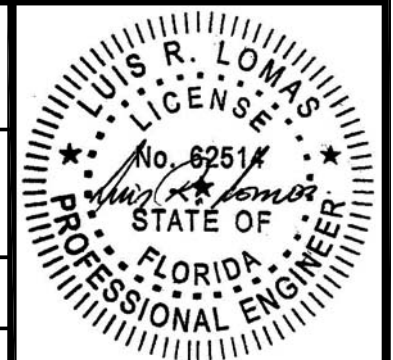
**EASTERN ARCHITECTURAL SYSTEMS**  
 16341 DOMESTIC AVENUE  
 FORT MYERS, FL 33192

SERIES 650 VINYL SGD  
 W/ & W/O POCKET LC-PG80 NON-IMPACT  
 ELEVATION

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

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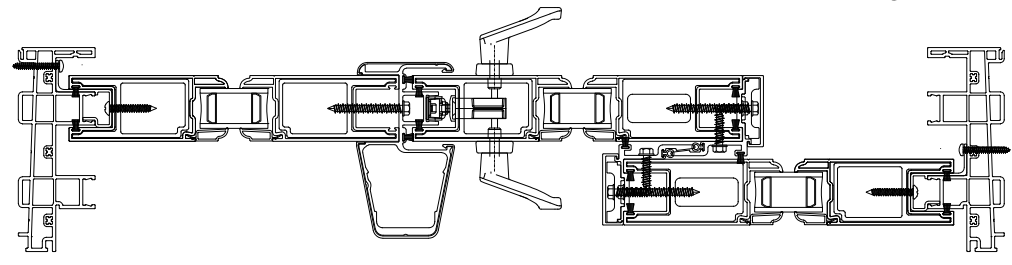


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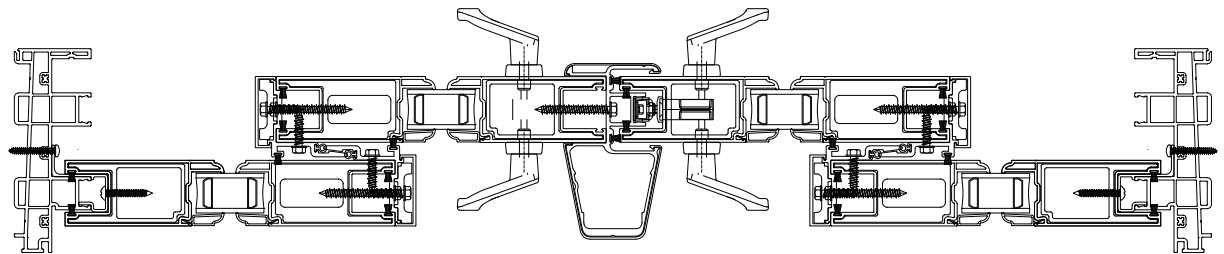
# HORIZONTAL CROSS SECTIONS

FOR REFERENCE ONLY, MULTIPLE CONFIGURATIONS WITH OR WITHOUT POCKET ARE APPROVED  
AND ARE NOT LIMITED TO SECTIONS SHOWN HEREIN.  
SEE SHEET 10 FOR POCKET DETAILS  
FOR INSTALLATION DETAILS SEE SHEETS 4 - 9

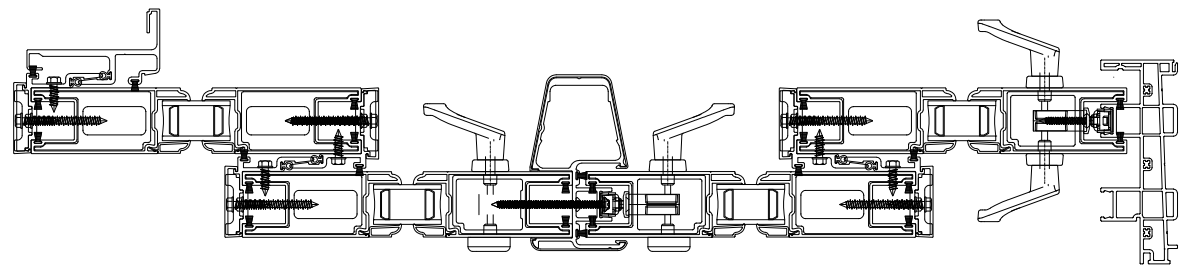
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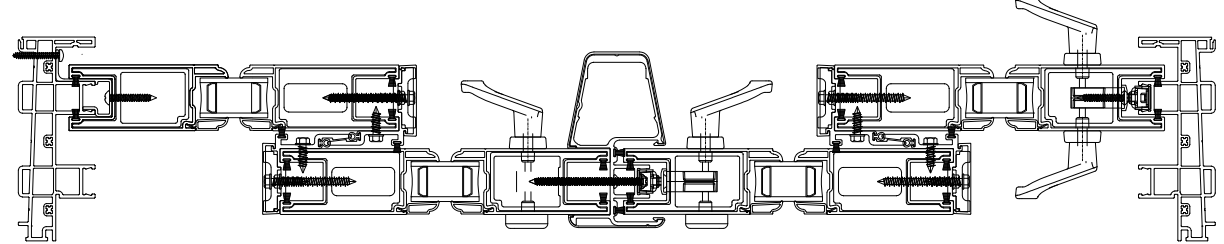
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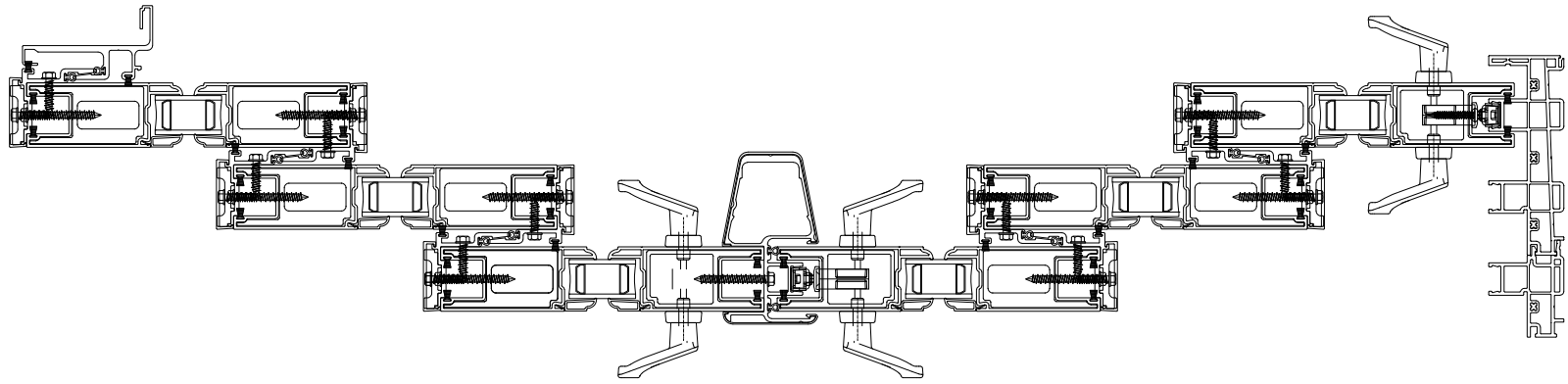
OXXO



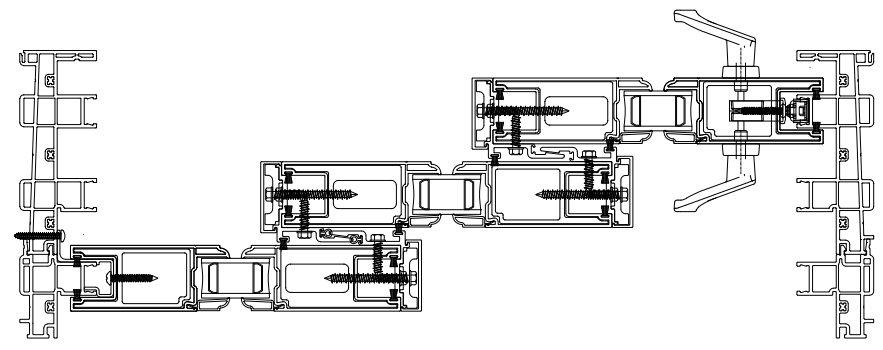
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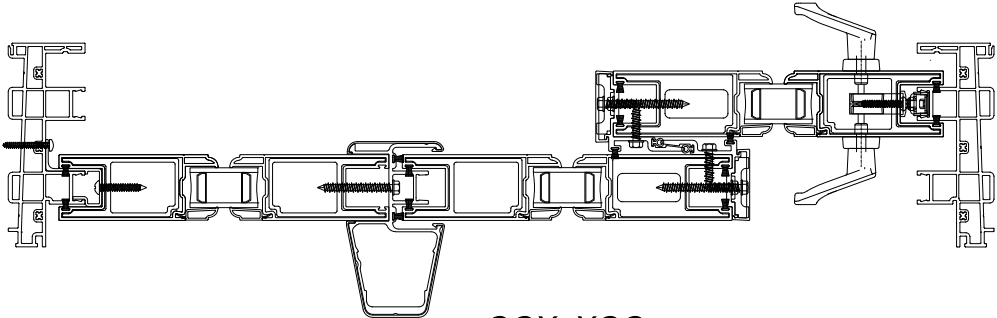
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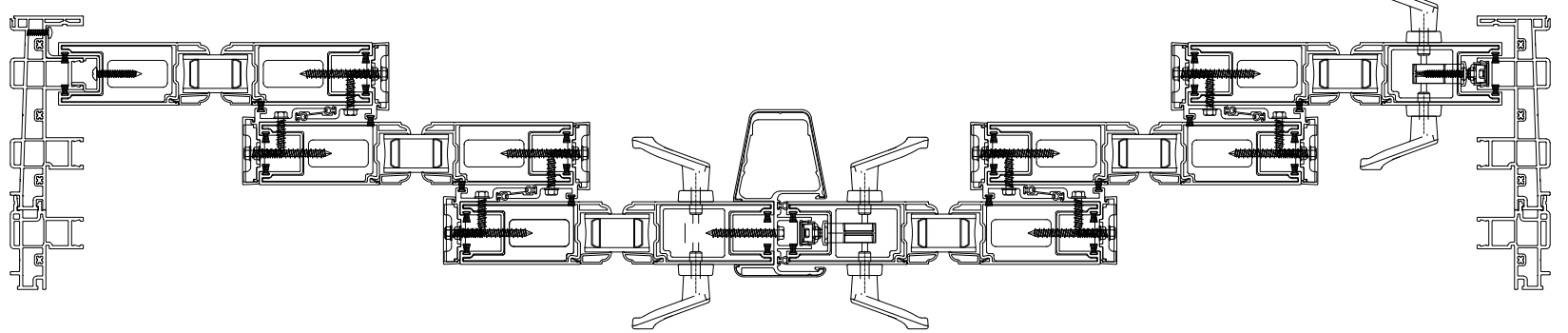
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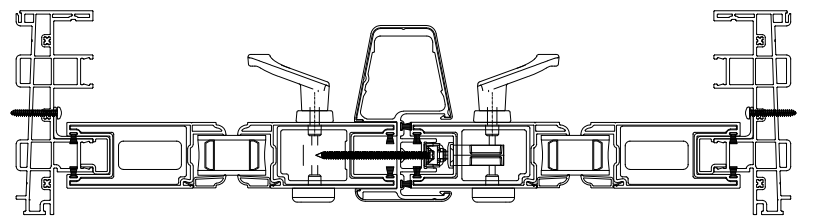
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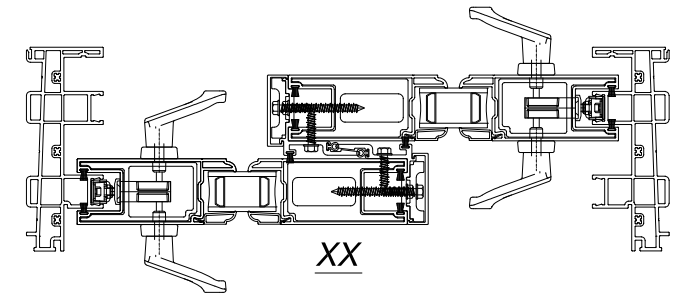
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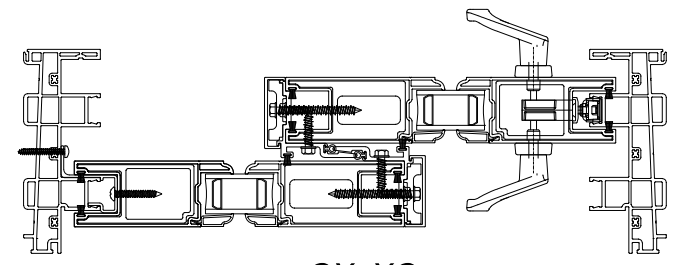
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OO



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OX, XO

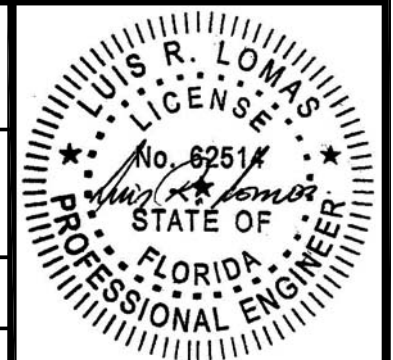
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EASTERN ARCHITECTURAL SYSTEMS  
16341 DOMESTIC AVENUE  
FORT MYERS, FL 33192

SERIES 650 VINYL SGD  
W/ & W/O POCKET LC-PG80 NON-IMPACT  
HORIZONTAL CROSS SECTIONS

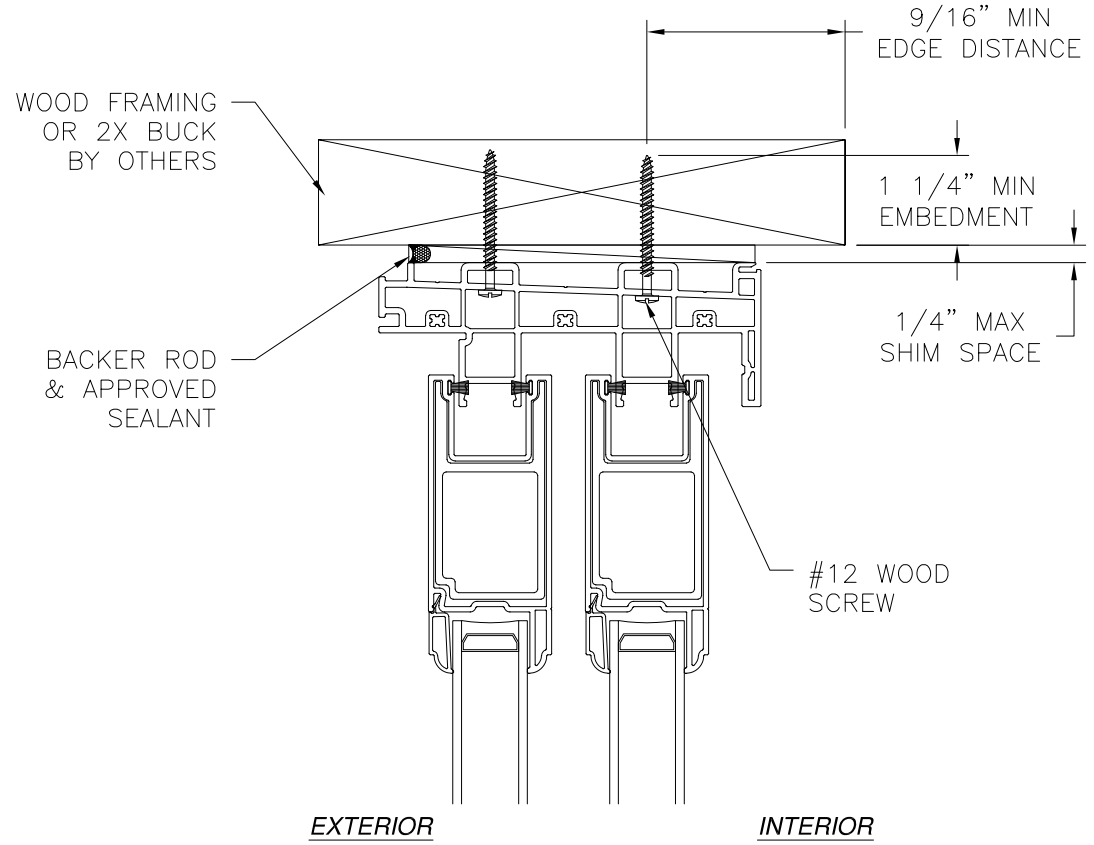
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SCALE NTS	DATE 04/29/2020	SHEET 3 OF 11

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

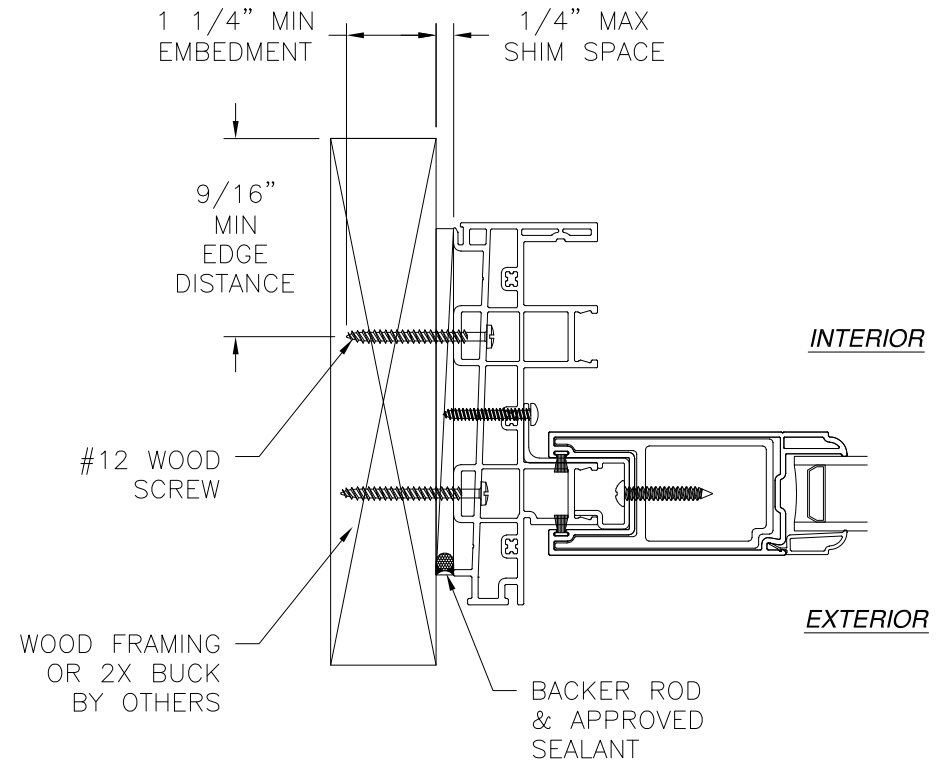


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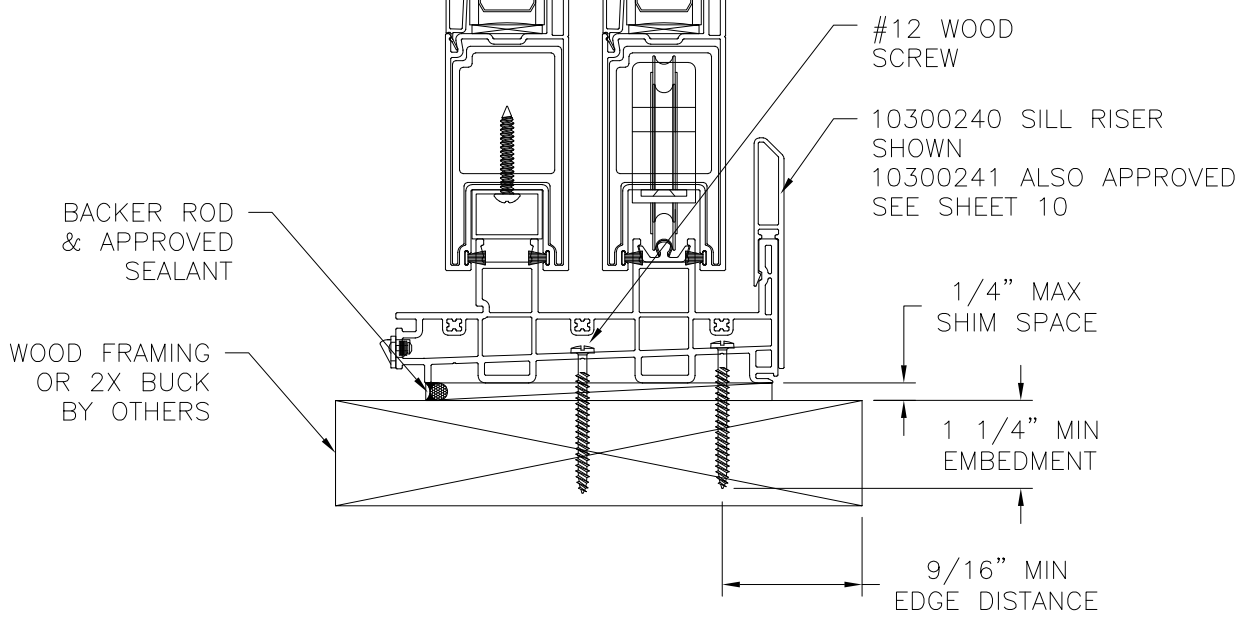
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EXTERIOR INTERIOR



**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

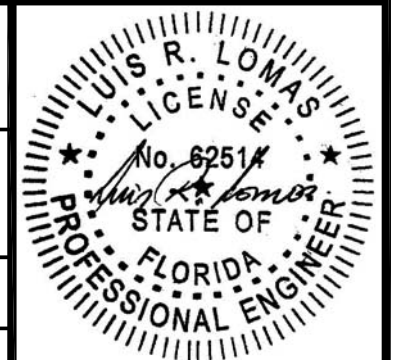


**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

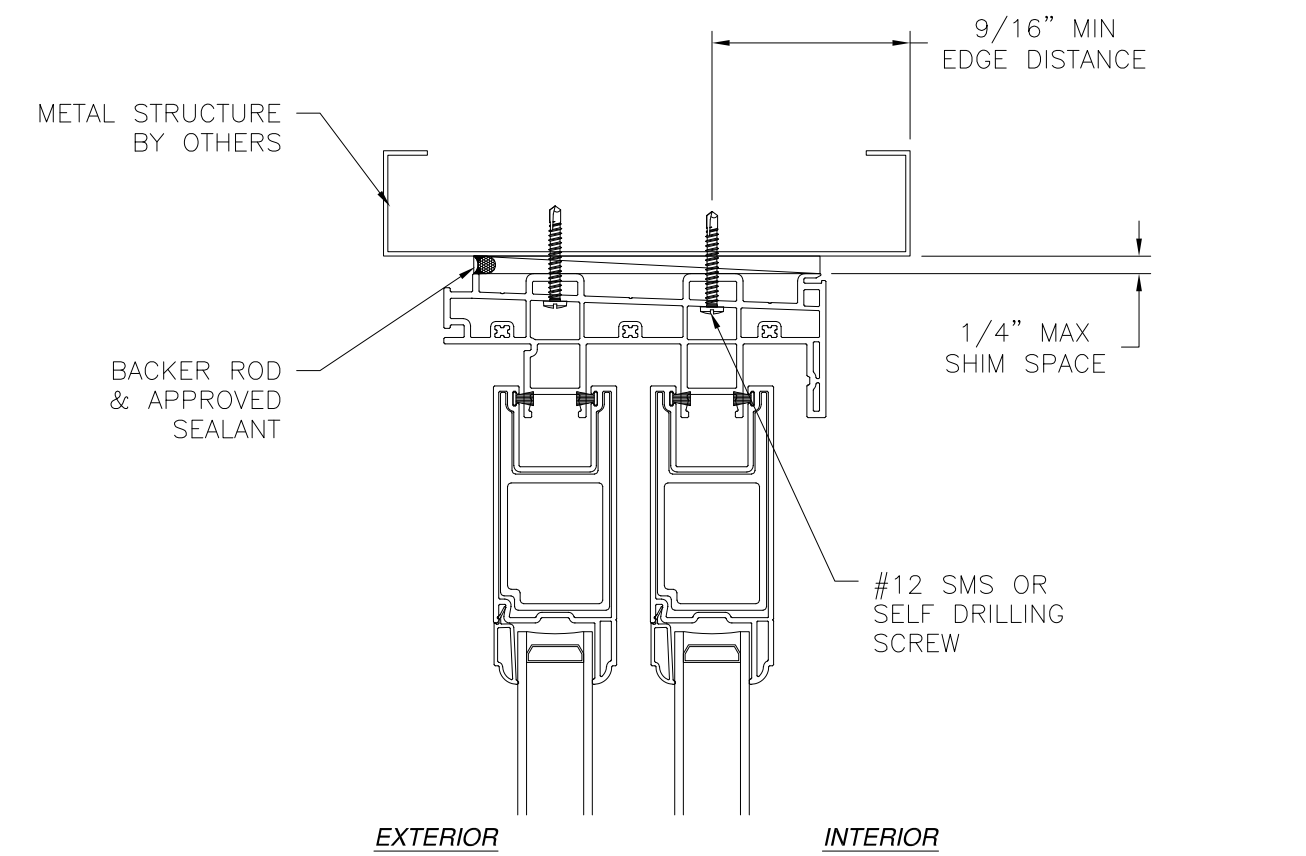
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EASTERN ARCHITECTURAL SYSTEMS 16341 DOMESTIC AVENUE FORT MYERS, FL 33192		
SERIES 650 VINYL SGD W/ & W/O POCKET LC-PG80 NON-IMPACT 2TRACK INSTALLATION DETAILS		
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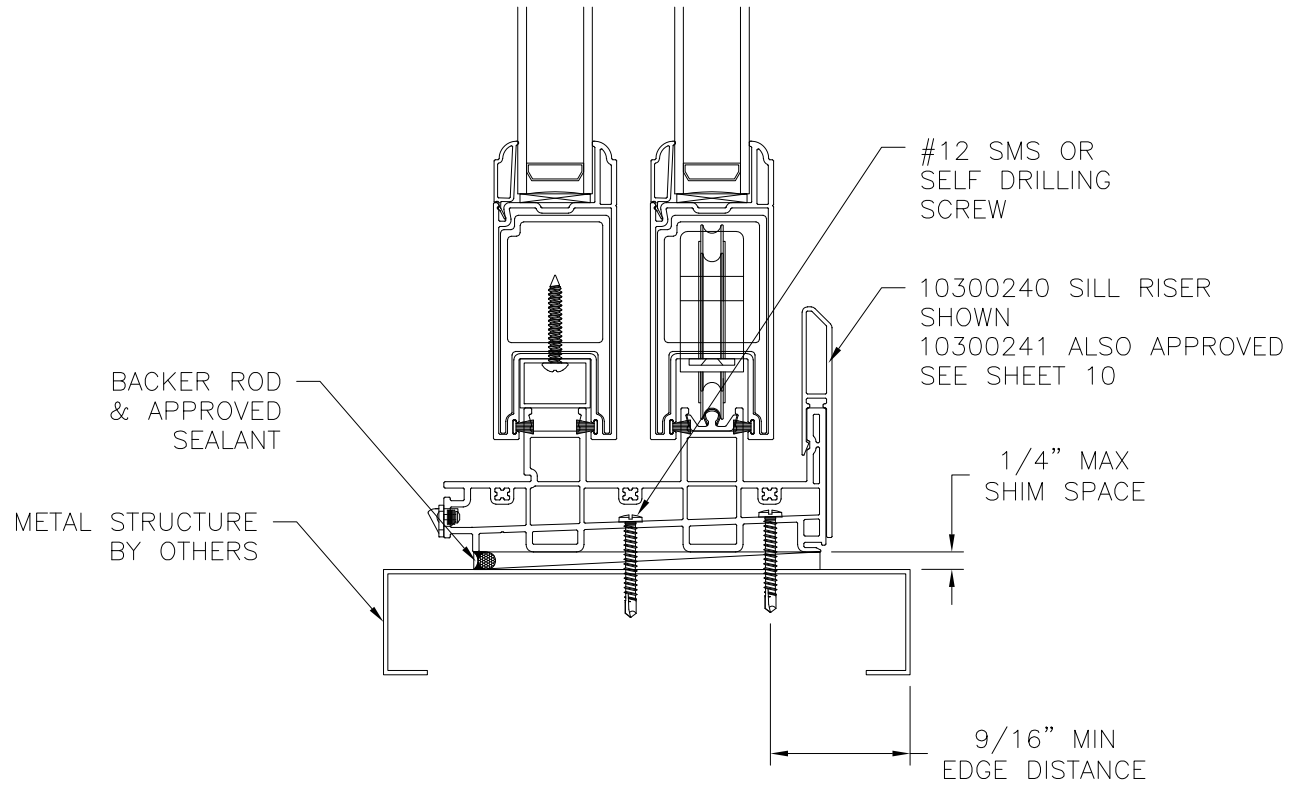


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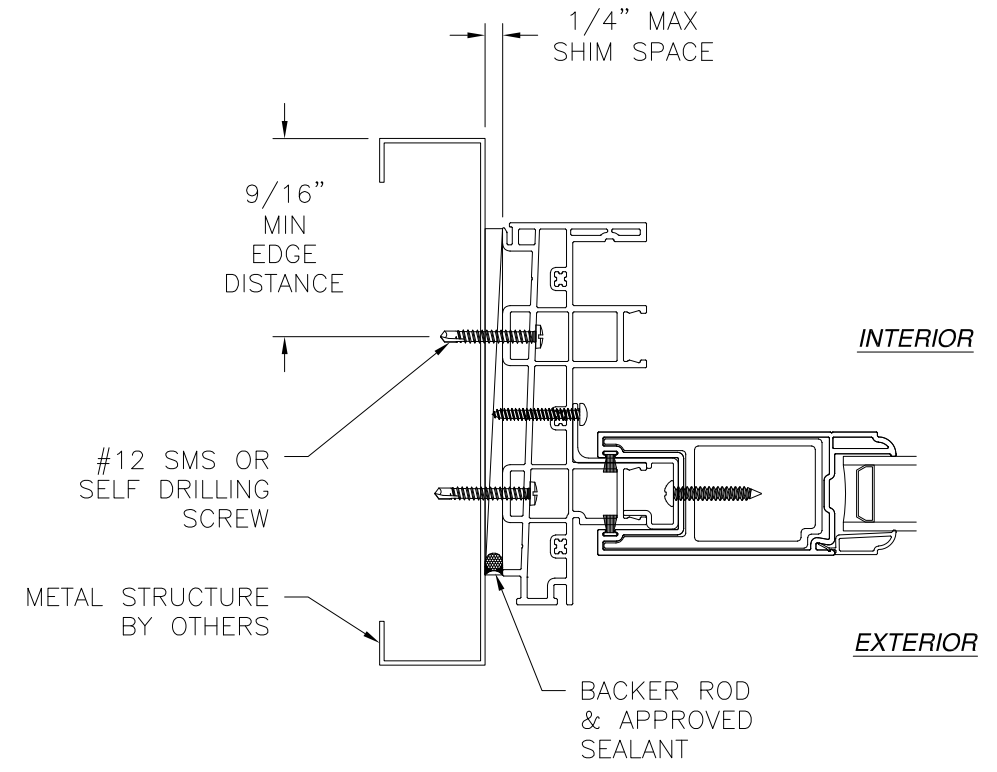
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EXTERIOR INTERIOR



**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

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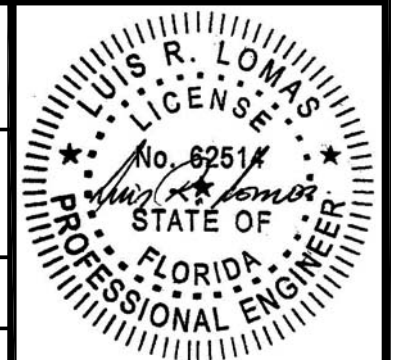
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16341 DOMESTIC AVENUE  
FORT MYERS, FL 33192

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2TRACK INSTALLATION DETAILS

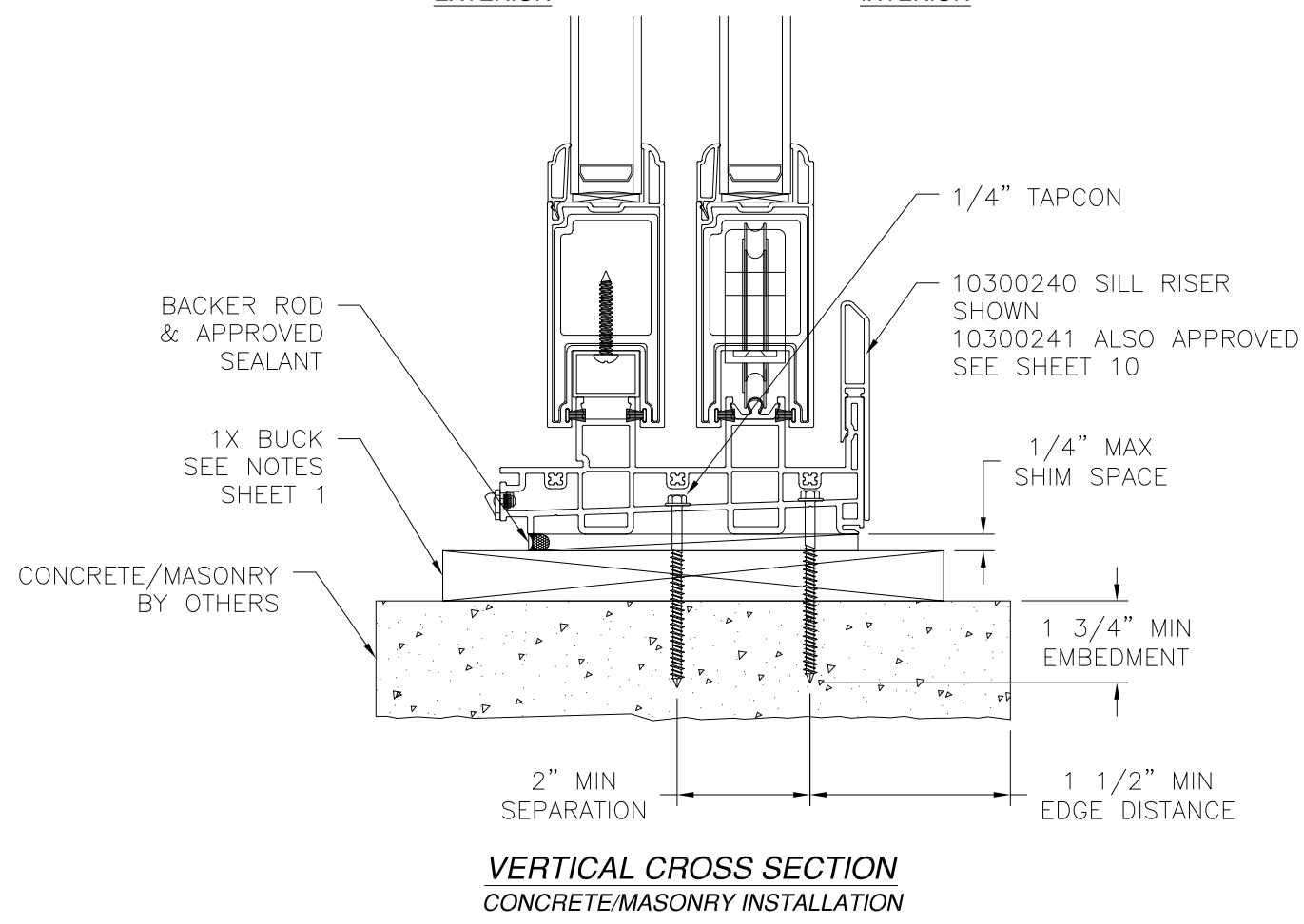
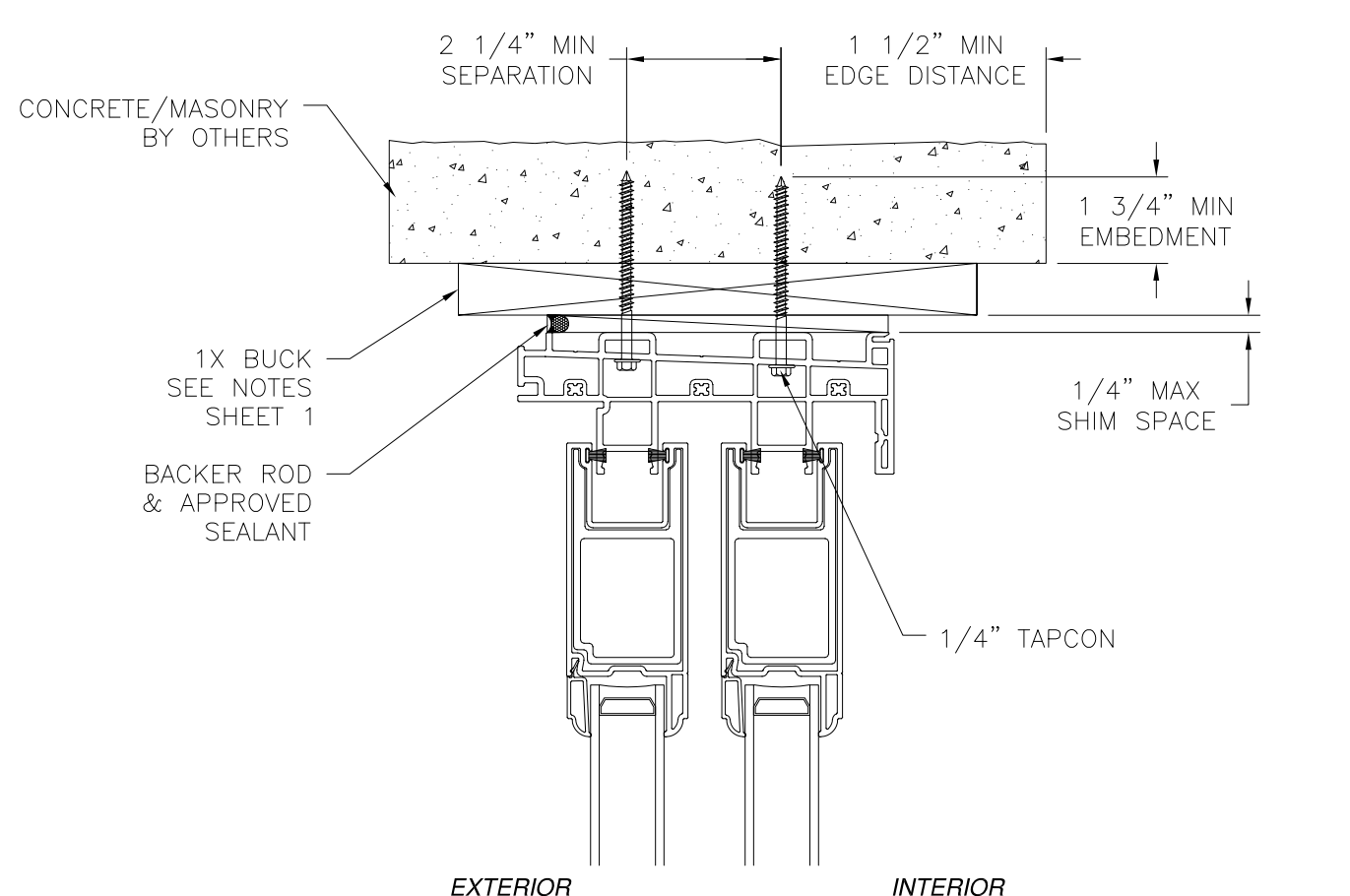
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208 7th Ave, INDIALANTIC, FL 32903  
434-688-0609 rllomas@rlomaspe.com

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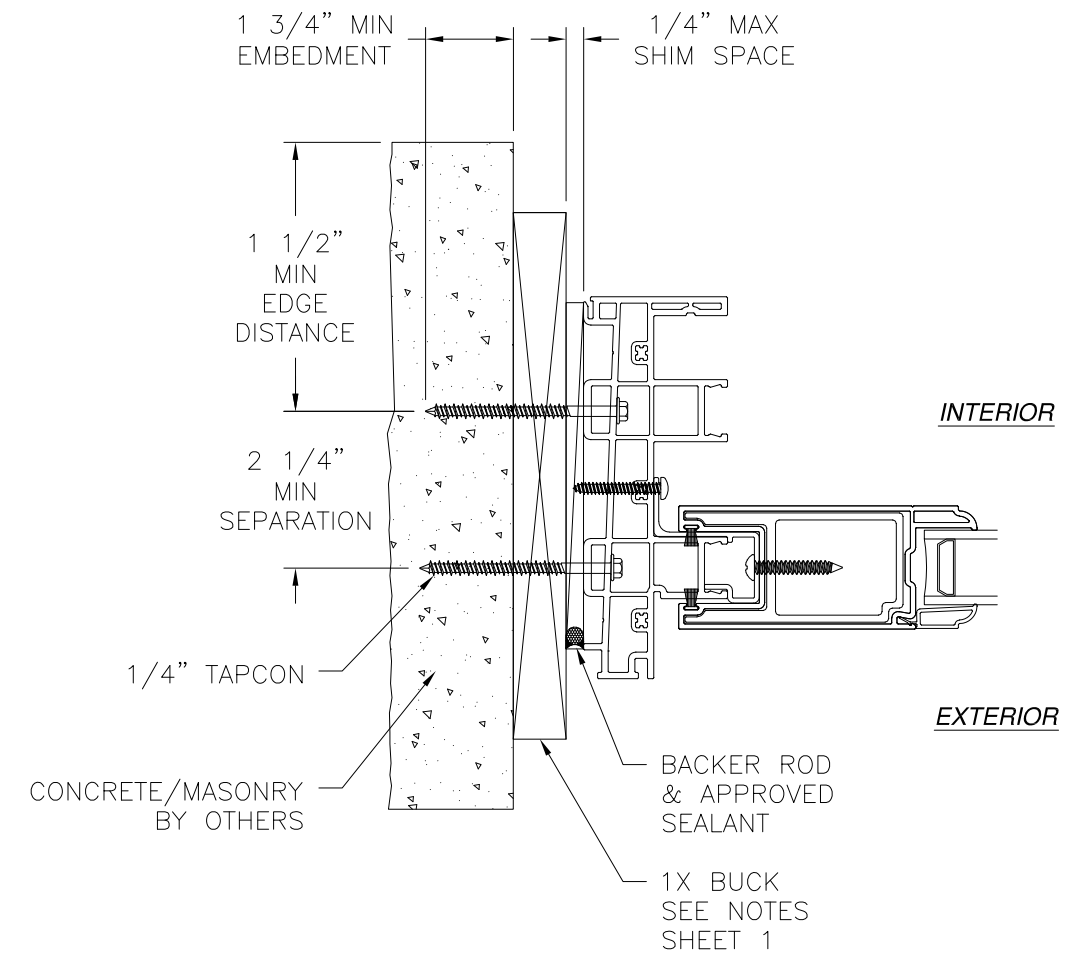


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**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION

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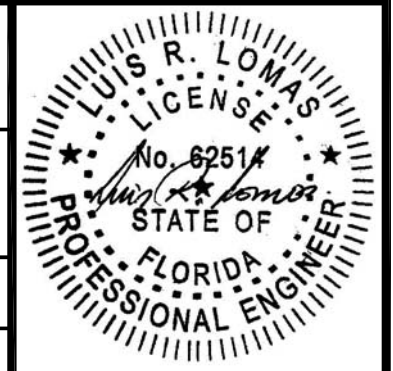
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FORT MYERS, FL 33192

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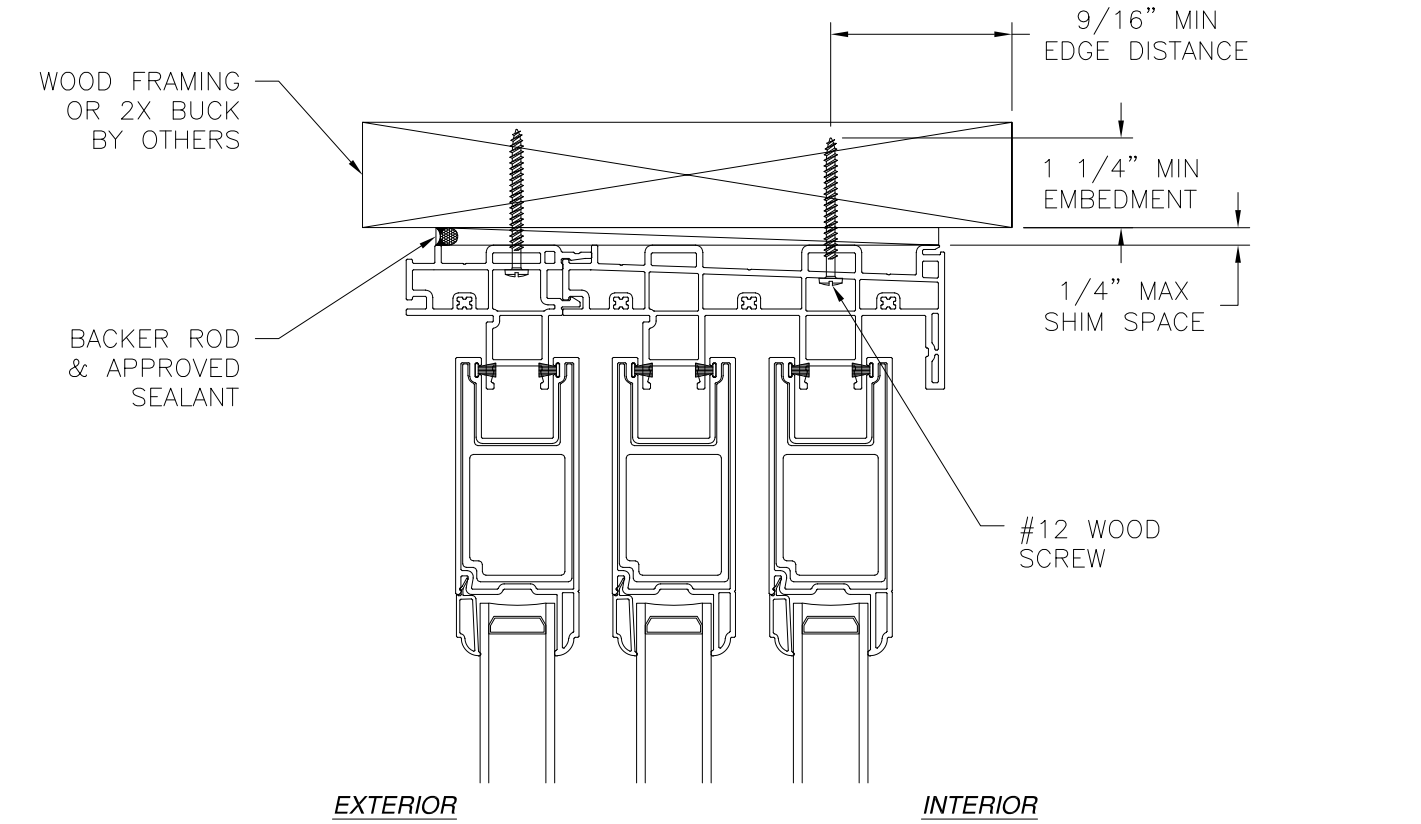
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434-688-0609 rllomas@rlomaspe.com

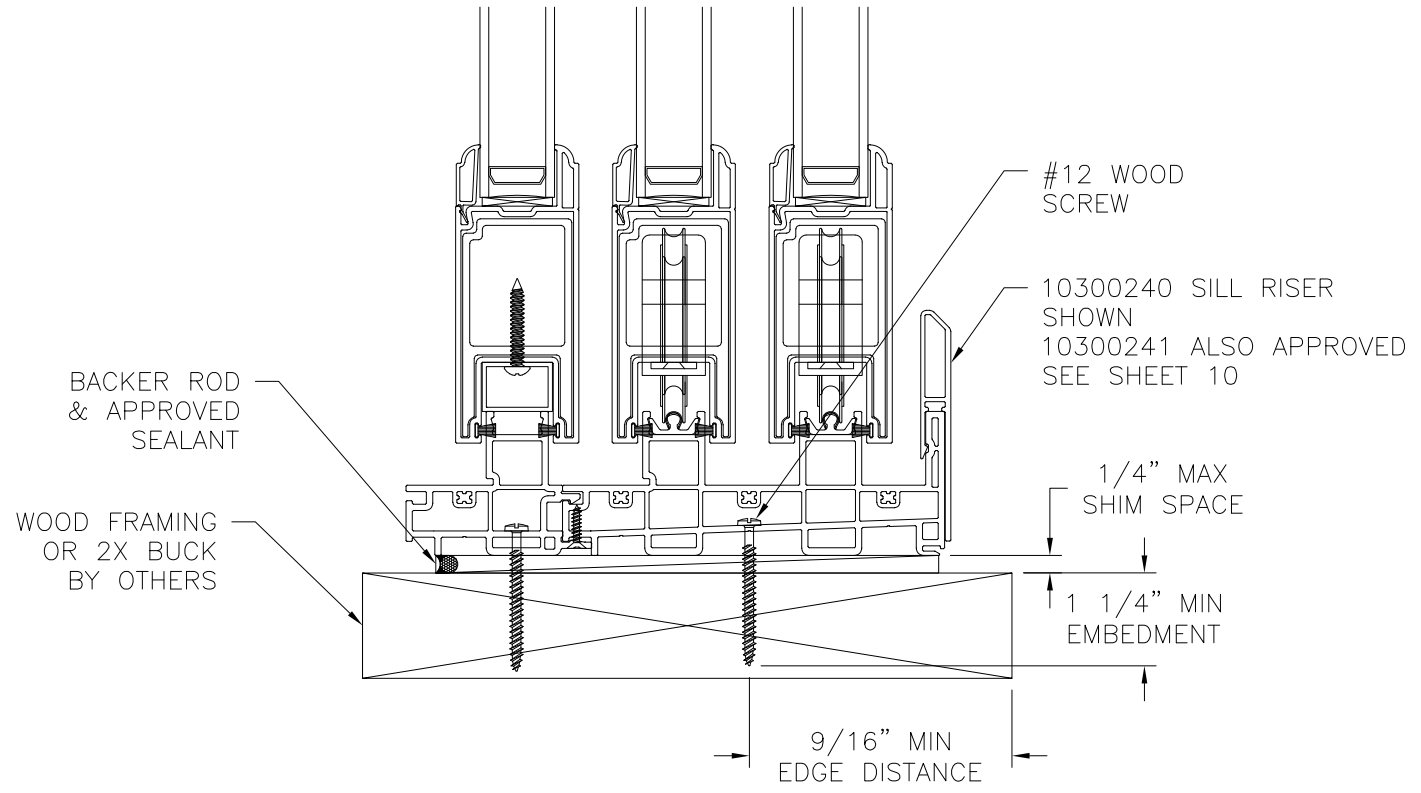


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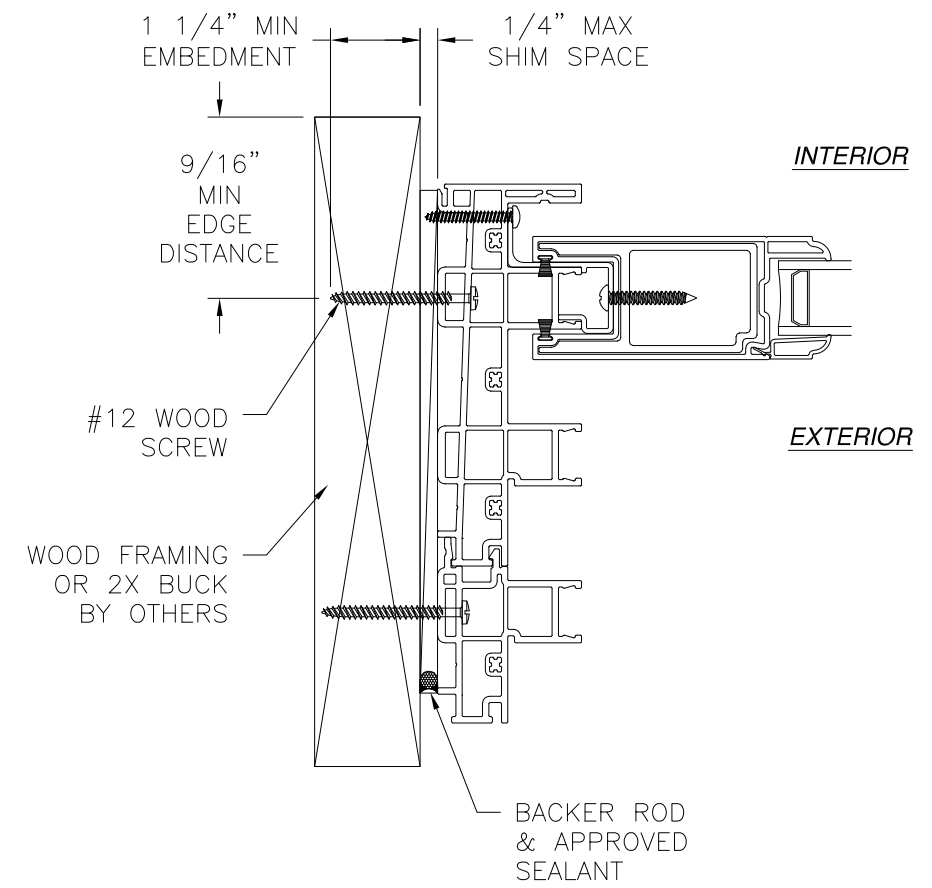
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EXTERIOR INTERIOR



**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION

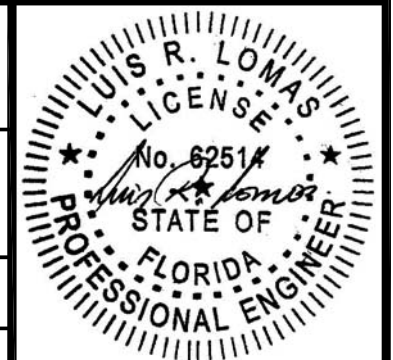


**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

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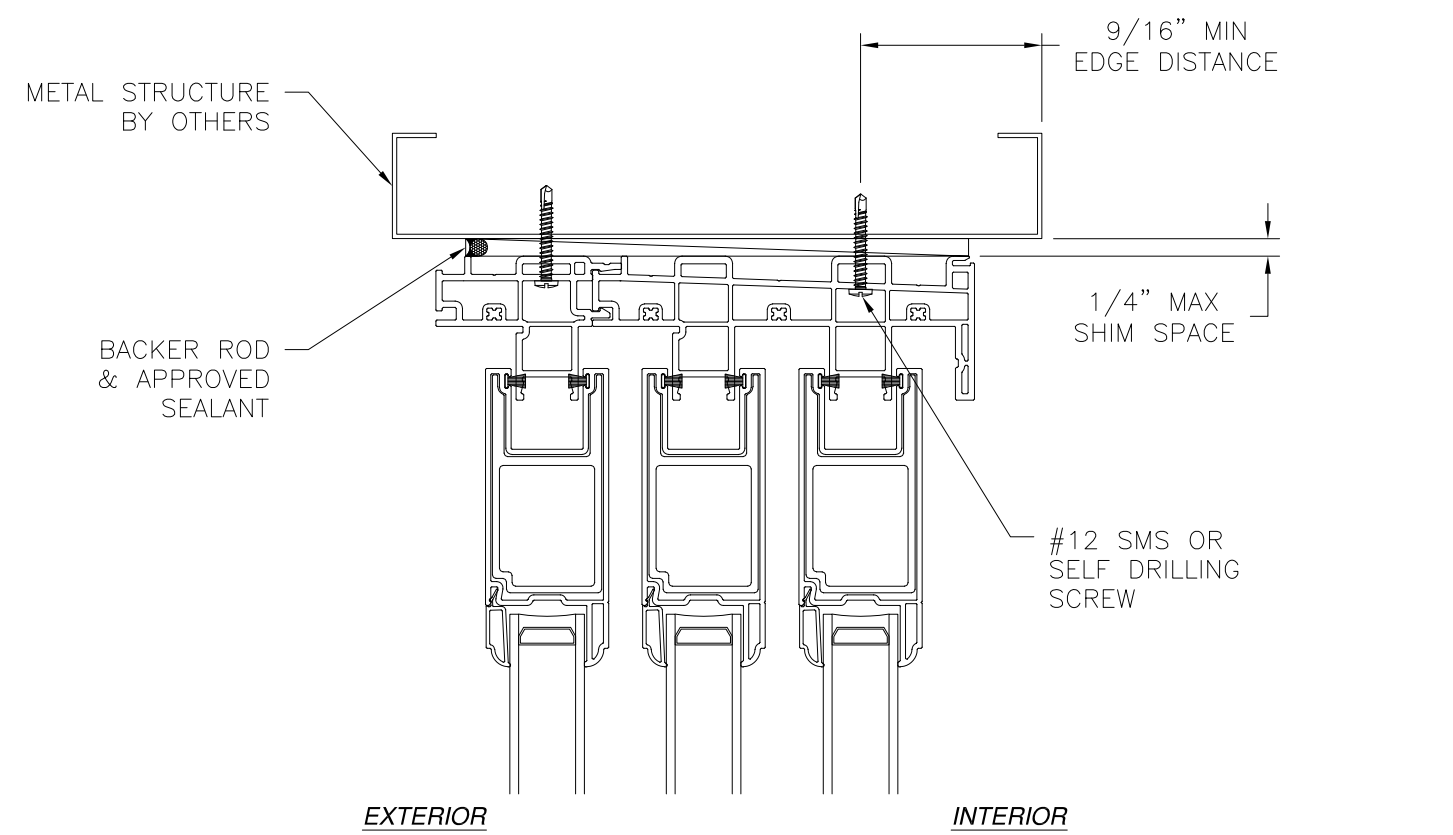
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EASTERN ARCHITECTURAL SYSTEMS 16341 DOMESTIC AVENUE FORT MYERS, FL 33192		
SERIES 650 VINYL SGD W/ & W/O POCKET LC-PG80 NON-IMPACT 3TRACK INSTALLATION DETAILS		
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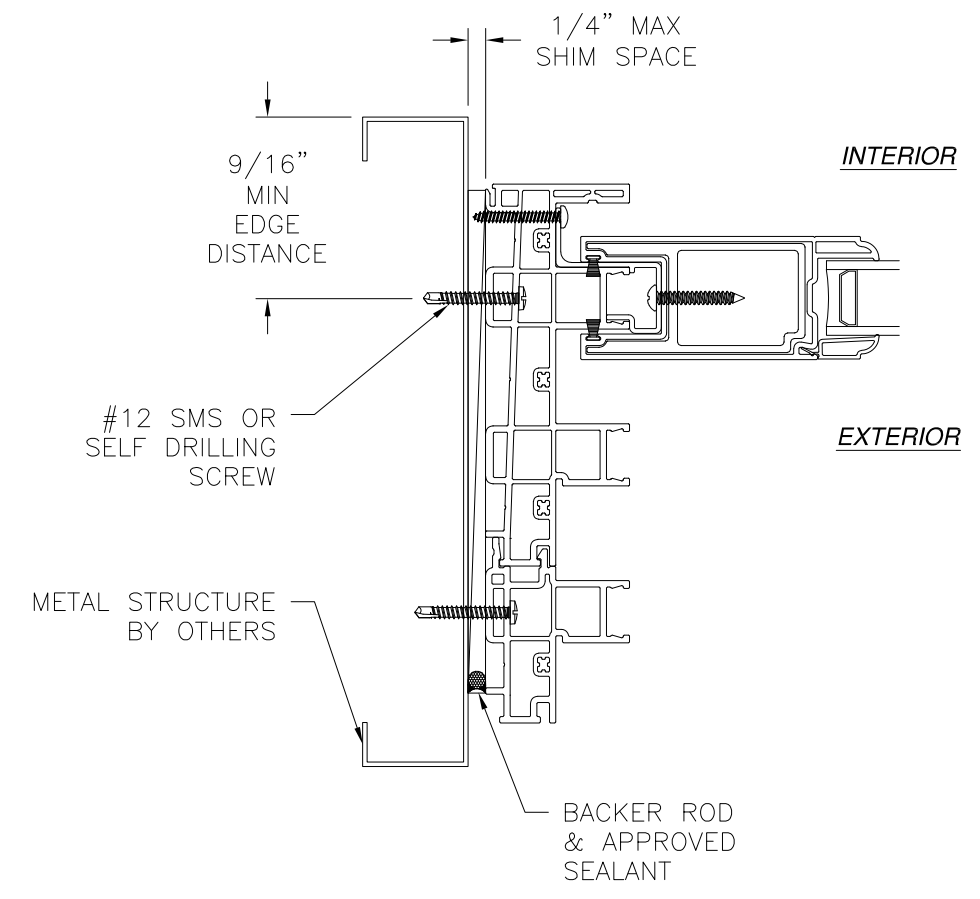


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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION

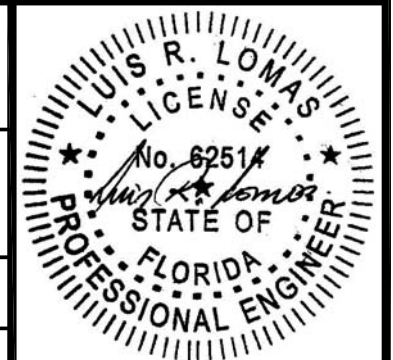


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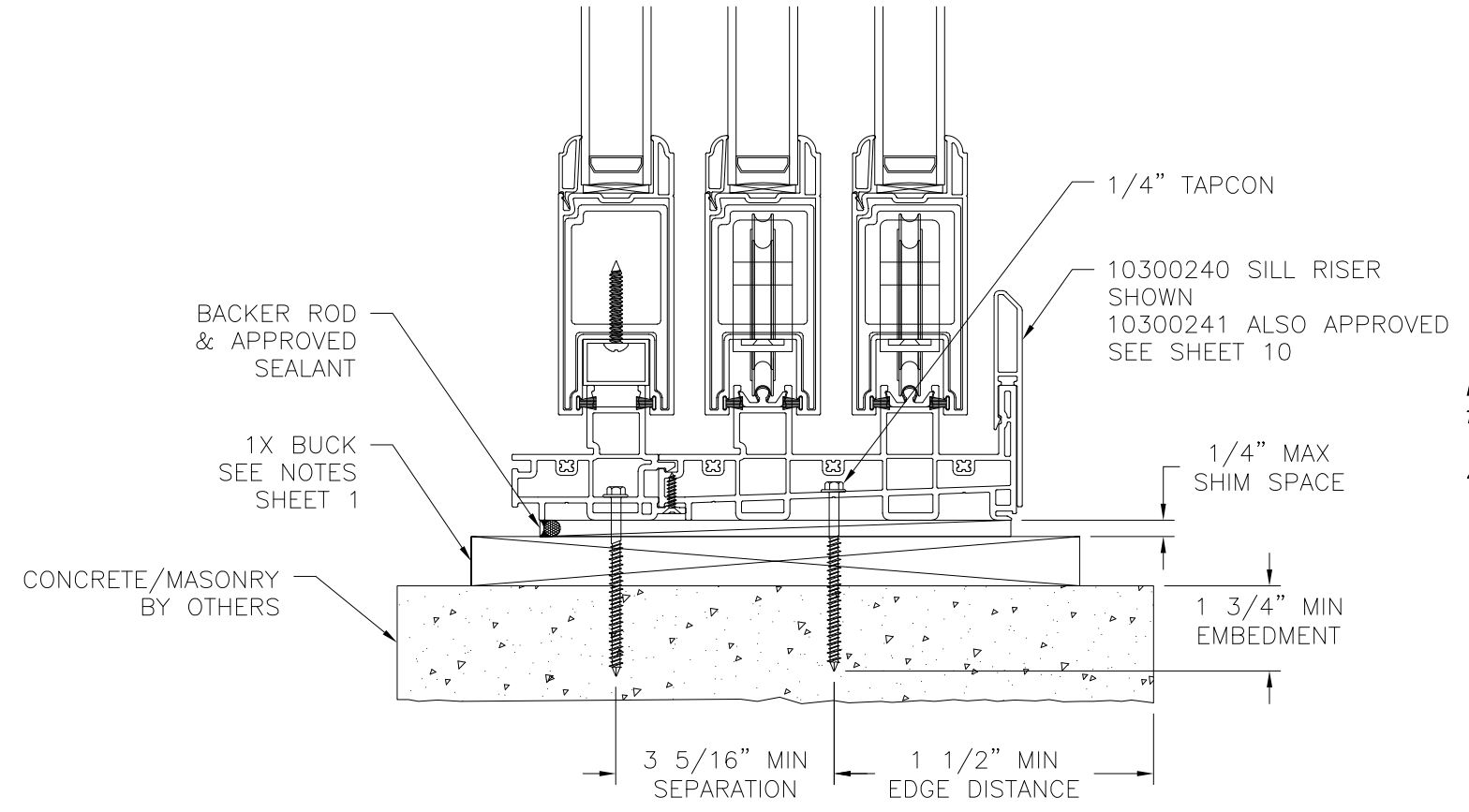
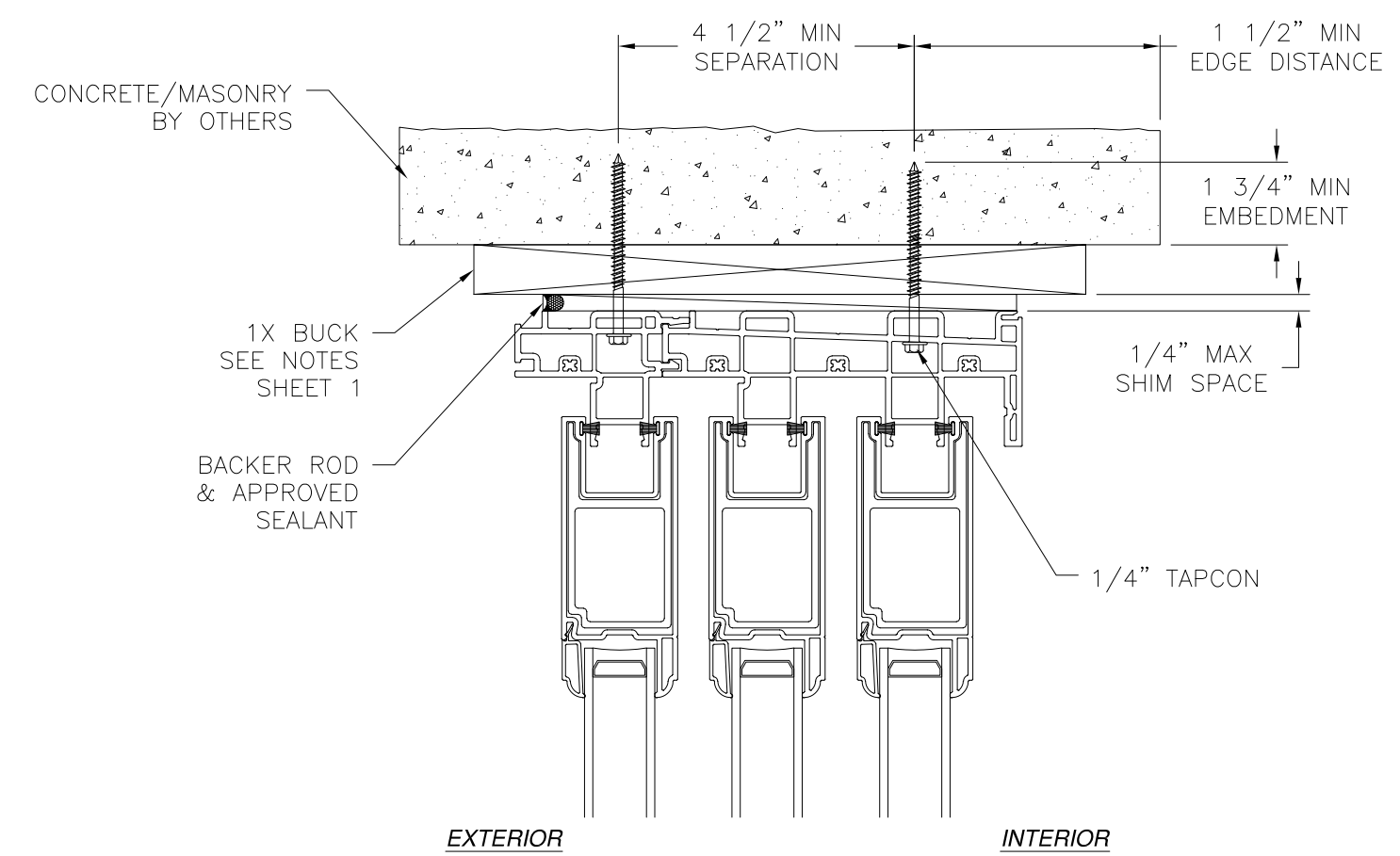
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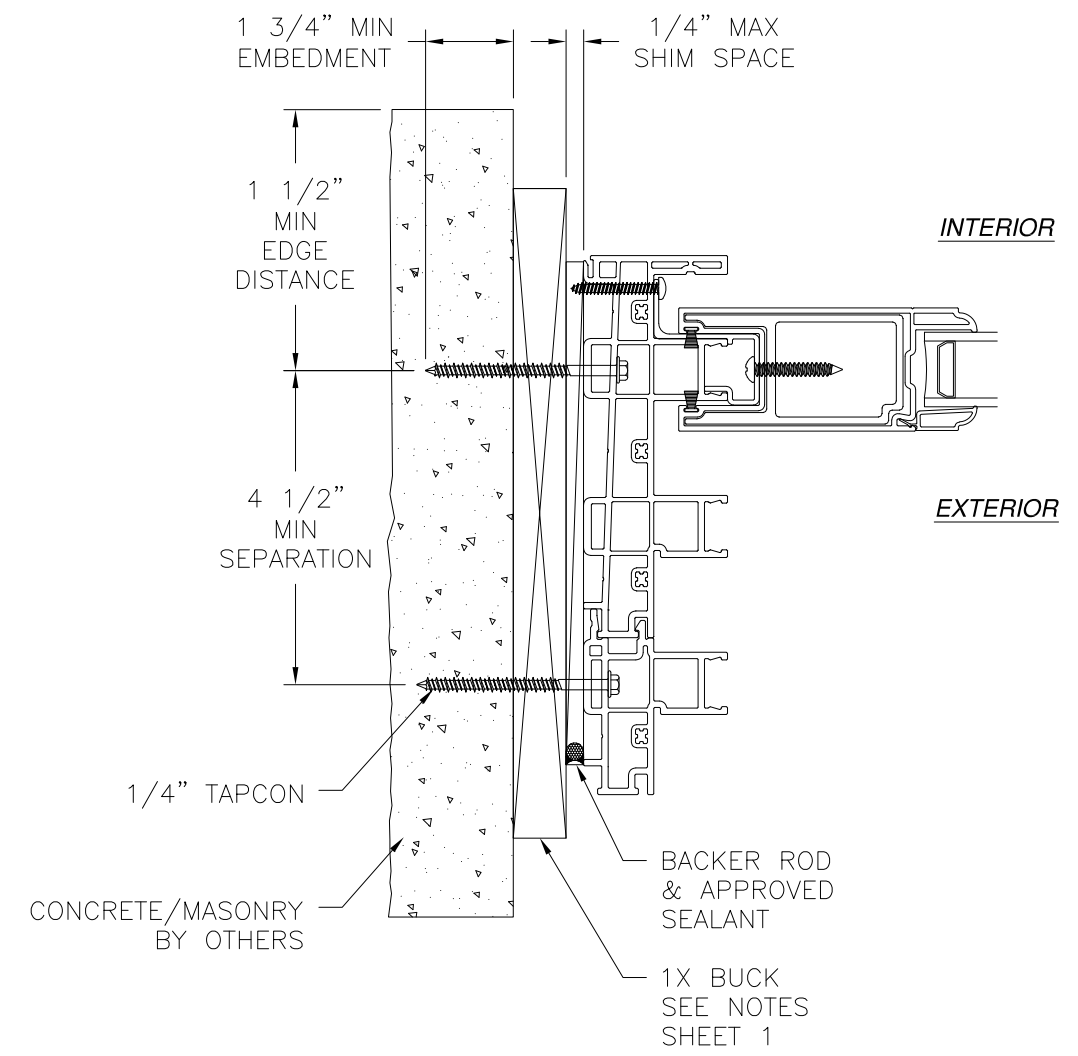
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**VERTICAL CROSS SECTION  
CONCRETE/MASONRY INSTALLATION**



**JAMB INSTALLATION DETAIL  
CONCRETE/MASONRY INSTALLATION**

- NOTES:**
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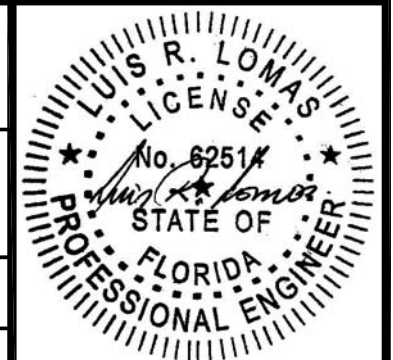
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16341 DOMESTIC AVENUE  
FORT MYERS, FL 33192

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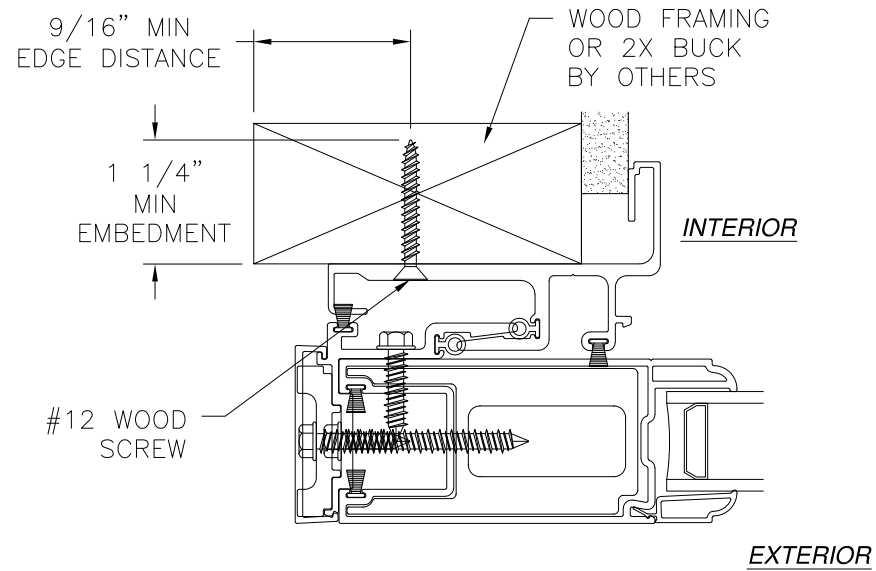
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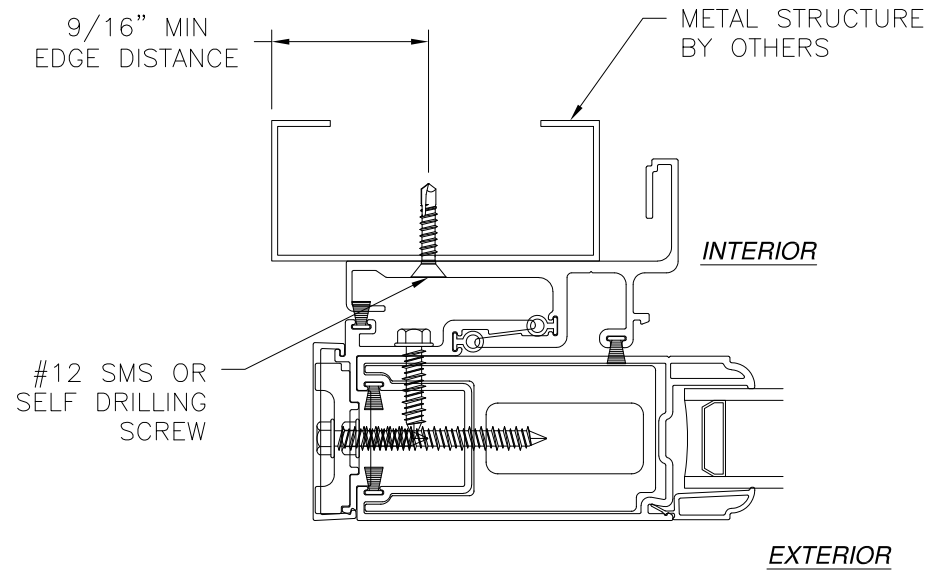


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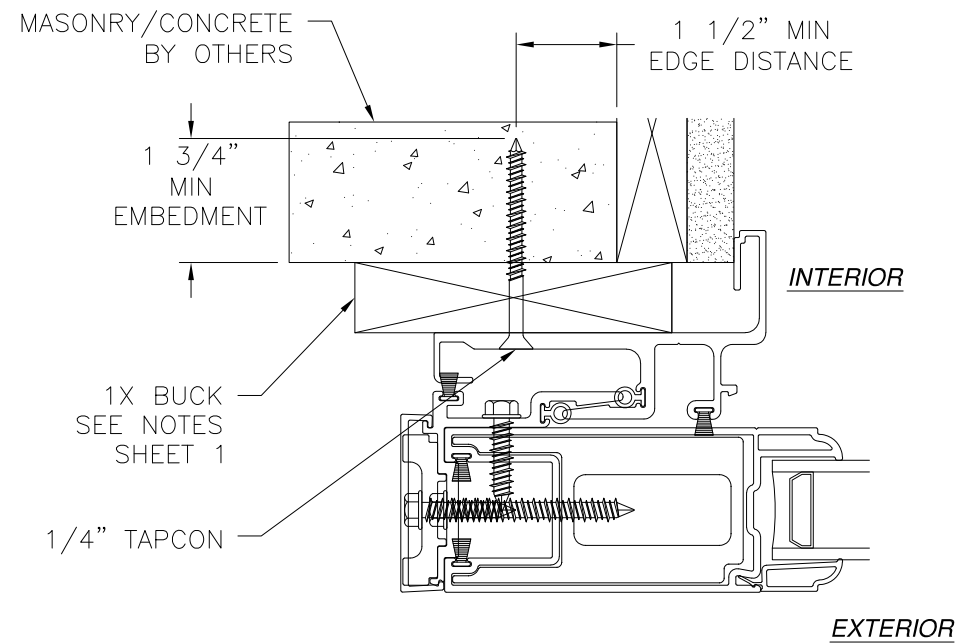
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**P-HOOK CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



**P-HOOK CROSS SECTION**  
METAL STRUCTURE INSTALLATION



**P-HOOK CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION

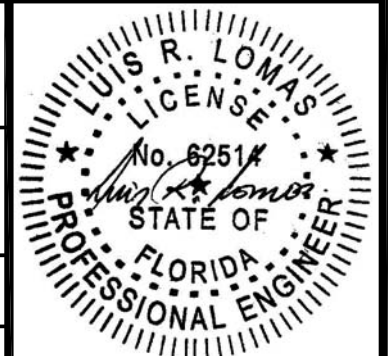
**EASTERN ARCHITECTURAL SYSTEMS**  
16341 DOMESTIC AVENUE  
FORT MYERS, FL 33192

SERIES 650 VINYL SGD  
W/ & W/O POCKET LC-PG80 NON-IMPACT  
P-HOOK INSTALLATION DETAILS

DRAWN: R.L.	DWG NO. 08-03546	REV A
SCALE NTS	DATE 04/29/2020	SHEET 10 OF 11

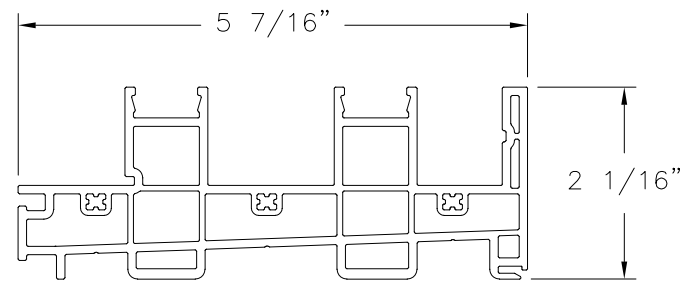
L. ROBERTO LOMAS P.E.  
208 7th Ave, INDIALANTIC, FL 32903  
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 01/04/2024

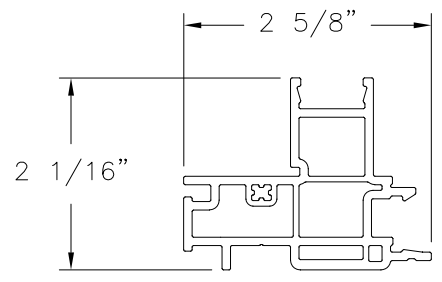


Luis R. Lomas P.E.  
FL No.: 62514

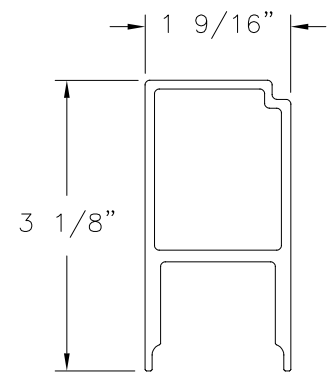
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/13/23	R.L.



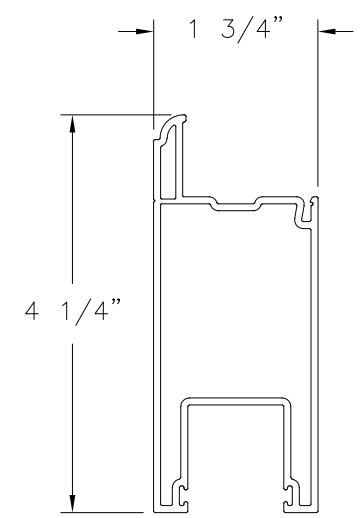
**FRAME (10001160)**  
PVC (.110" THICK)



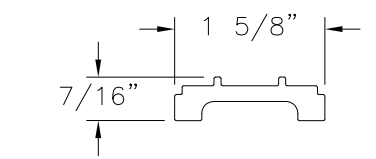
**FRAME ADPT. (10001165)**  
PVC (.110" THICK)



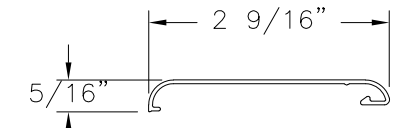
**TOP/BOTTOM AND LOCK RAIL STILE REINFORCEMENT (10300231)**  
ALUMINUM 6063-T5 (.165" THICK)



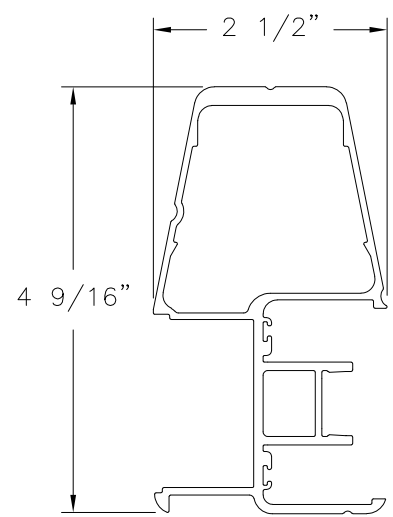
**SASH FRAME (10001170)**  
PVC (.075" THICK)



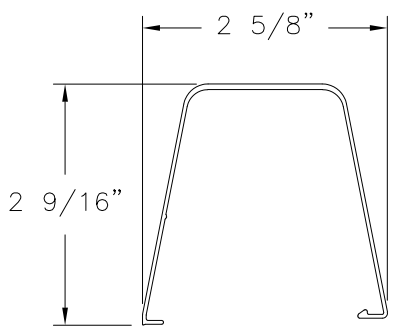
**CLIP (10300264)**  
ALUMINUM 6005-T5 (.1675" THICK)



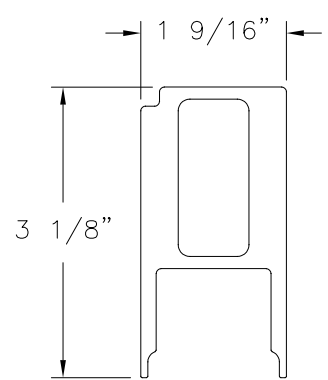
**ASTRAGAL COVER (10001100)**  
PVC (.040" THICK)



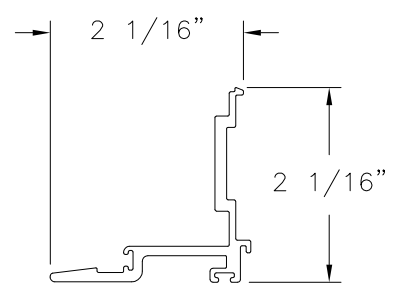
**ASTRAGAL (10300233)**  
ALUMINUM 6063-T5 (.100" THICK)



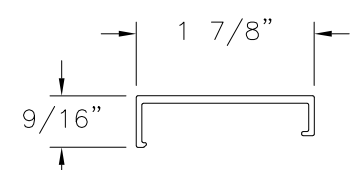
**ASTRAGAL COVER (10001101)**  
PVC (.060" THICK)



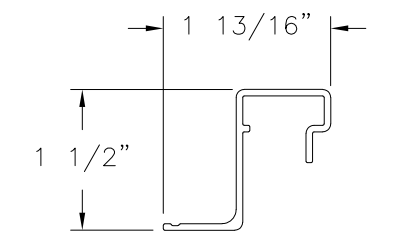
**REINFORCEMENT (10300309)**  
ALUMINUM 6005-T5 (.165" THICK)



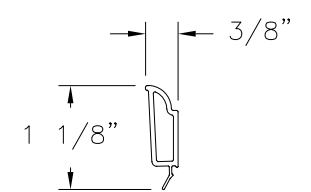
**INTERLOCK (10300237)**  
ALUMINUM 6005-T5 (.100" THICK)



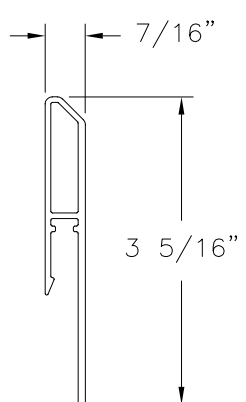
**INTERLOCK COVER (10300237)**  
PVC (.080" THICK)



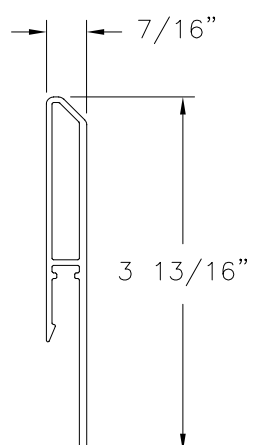
**JAMB SPACER (10300300)**  
ALUMINUM 6063-T5 (.070" THICK)



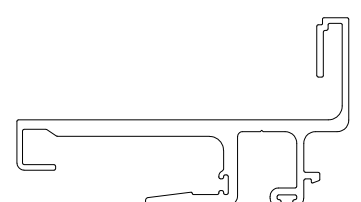
**GLAZING BEAD (10001175)**  
PVC (.075" THICK)



**SILL RISER (10300240)**  
ALUMINUM 6063-T5 (.078" THICK)



**SILL RISER (10300241)**  
ALUMINUM 6063-T5 (.078" THICK)



**HOOK (10300236)**  
ALUMINUM 6063-T5 (.1755" THICK)

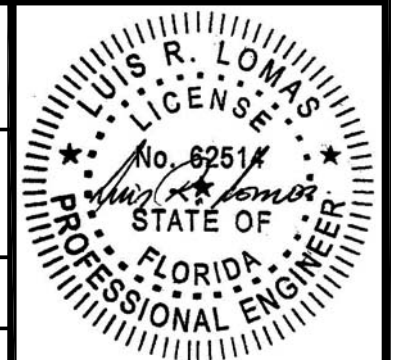
**EASTERN ARCHITECTURAL SYSTEMS**  
16341 DOMESTIC AVENUE  
FORT MYERS, FL 33192

SERIES 650 VINYL SGD  
W/ & W/O POCKET LC-PG80 NON-IMPACT  
COMPONENTS

DRAWN: R.L.	DWG NO. 08-03546	REV A
SCALE NTS	DATE 04/29/2020	SHEET 11 OF 11

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

SIGNED: 01/04/2024



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