

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 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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. 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.
5. 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.
6. 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.
7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. 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”.
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: EXTRUDED RIGID PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300–04/09, WITH SAFETY GLAZING.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR 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 ANCHORING 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.
16. FOR 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. FOR ANCHORING THROUGH CLIP 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.
18. FOR ANCHORING THROUGH CLIP 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.
19. FOR ANCHORING THROUGH CLIP 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.
20. ALL FASTENERS TO BE CORROSION RESISTANT.
21. 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: HOLLOW/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 .048” THICK MINIMUM

SIGNED: 01/09/2019

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1	NOTES
2	ELEVATION
3 – 6	INSTALLATION DETAILS
7	COMPONENTS

MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 1615/1617 PVC SLIDING GLASS DOOR
NON – IMPACT OXXO 187” X 96”
NOTES

DRAWN:
A.R.

DWG NO.
08–03289

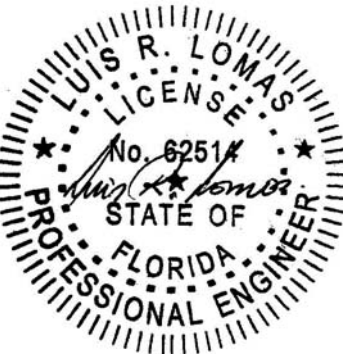
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SCALE NTS

DATE 07/26/18

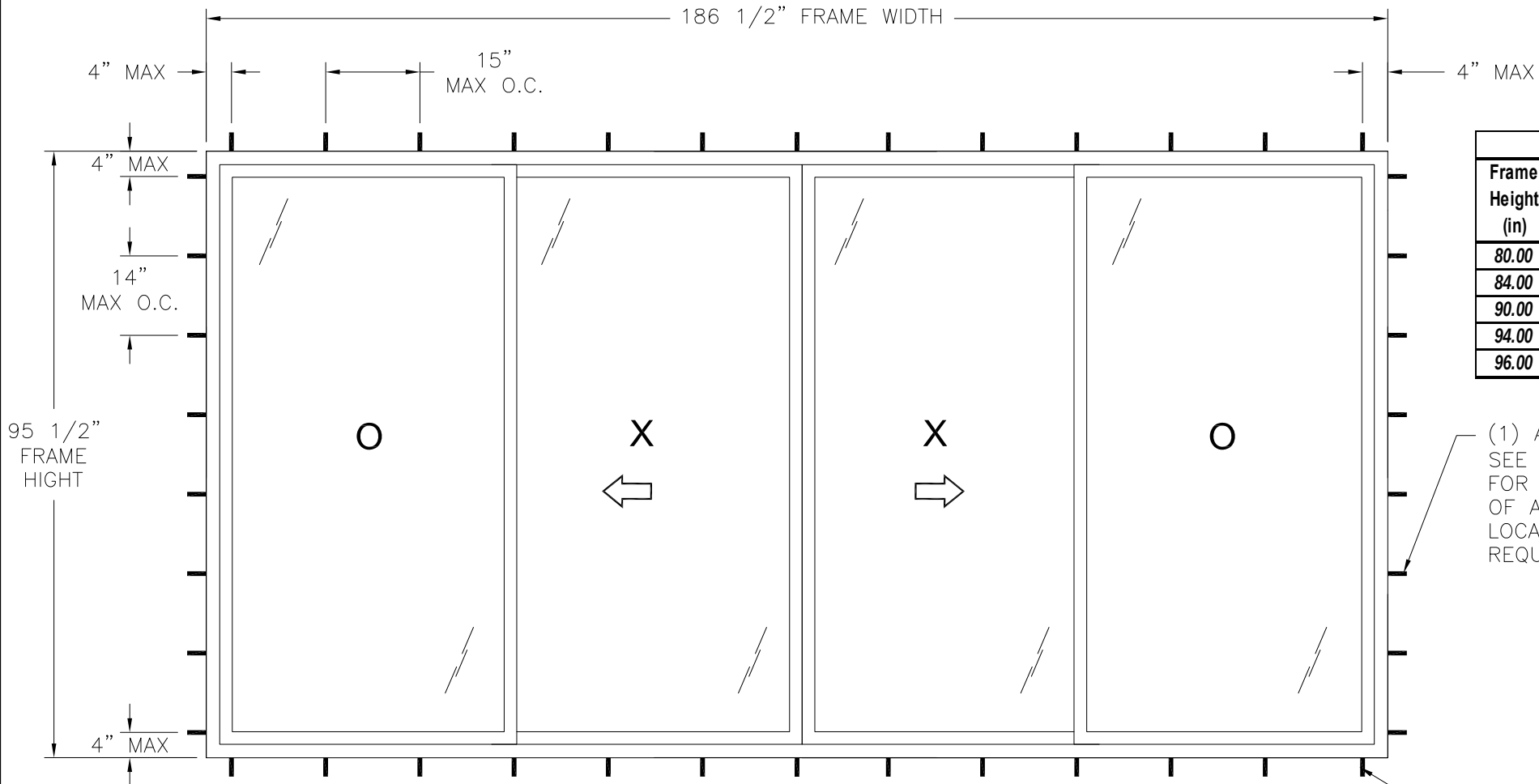
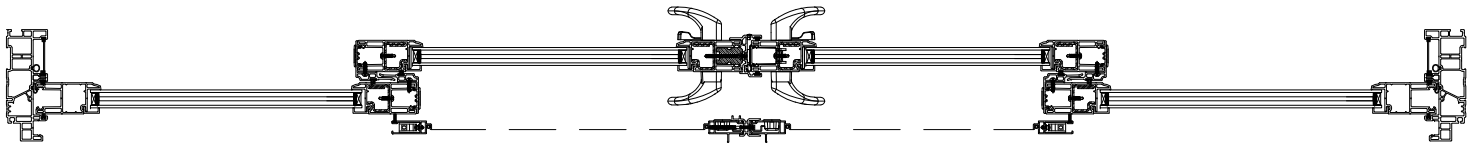
SHEET 1 OF 7

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1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com



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

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- NOTES:
- PANEL SIZE: 47 1/4" X 91 1/8"
 - D.L.O.: 40 5/8" X 84 3/4"

CHART #1

Number of anchor locations required												
Frame Height (in)	Frame Width (in)											
	72.00		96.00		120.00		144.00		168.00		187.00	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
80.00	6	7	7	7	9	7	11	7	12	7	13	7
84.00	6	7	7	7	9	7	11	7	12	7	13	7
90.00	6	7	7	7	9	7	11	7	12	7	13	7
94.00	6	8	7	8	9	8	11	8	12	8	13	8
96.00	6	8	7	8	9	8	11	8	12	8	13	8

(1) ANCHOR PER LOCATION
SEE CHART #1
FOR NUMBER
OF ANCHOR
LOCATIONS
REQUIRED

ANCHORS AT SILL
TO BE INSTALLED THROUGH
ANCHOR CLIP

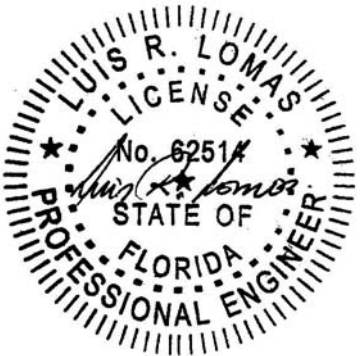
SERIES 1615/1617 PVC SLIDING GLASS DOOR NON - IMPACT
EXTERIOR VIEW
4 PANEL SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS
INDIVIDUAL PANEL AREA DOES NOT EXCEED 29.9 FT² AND USES VERTICAL CONDITIONS AS SHOWN HEREIN.

DESIGN PRESSURE RATING	IMPACT RATING
±15.0PSF	NONE

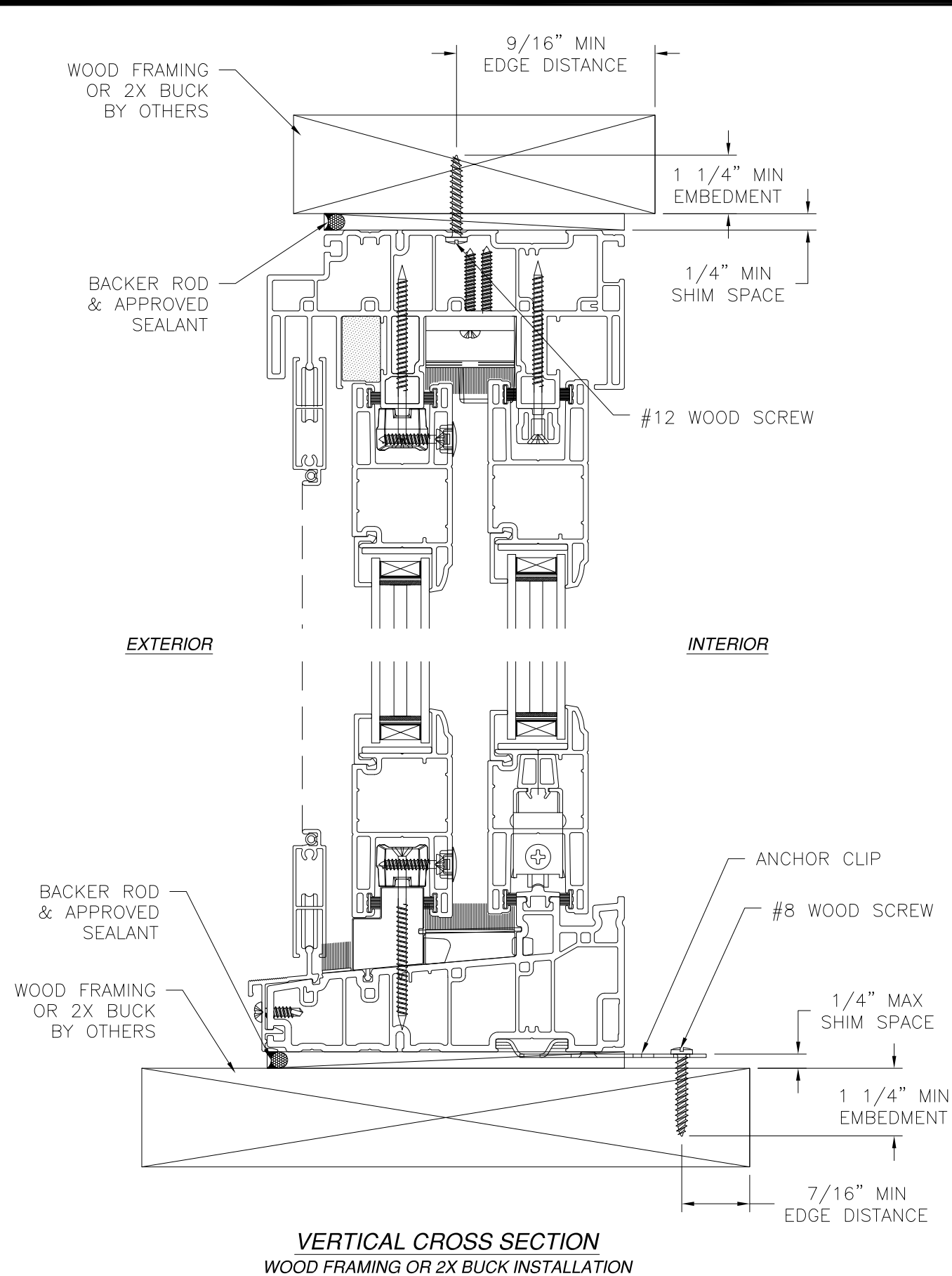
HARDWARE SCHEDULE	
A.	(1) ONE POINT LOCK WITH HANDLE AND KEEPER AT 52 1/2" FROM BOTTOM RAIL ON EACH OPERABLE PANEL
B.	(4) NYLON ROLLERS AT OPERABLE PANEL BOTTOM RAIL, 4" FROM EACH STILE
C.	(4) ROLLERS WITH SPRINGS AT BOTTOM OF SCREEN STILES
D.	(1) SCREEN LOCK WITH KEEPER AT SCREEN LOCK STILE, 38" FROM BOTTOM RAIL ON EACH SCREEN PANEL
E.	(1) SASH STOPPER AT MIDSPAN ALONG THE HEAD
F.	(1) PANEL HEAD SCREEN STOPPER AT MIDSPAN ALONG THE HEAD
G.	STEEL REINFORCEMENT (9598) AT OPERABLE PANEL KEEPER STILE
H.	STEEL REINFORCEMENT (9599) AT MEETING STILES

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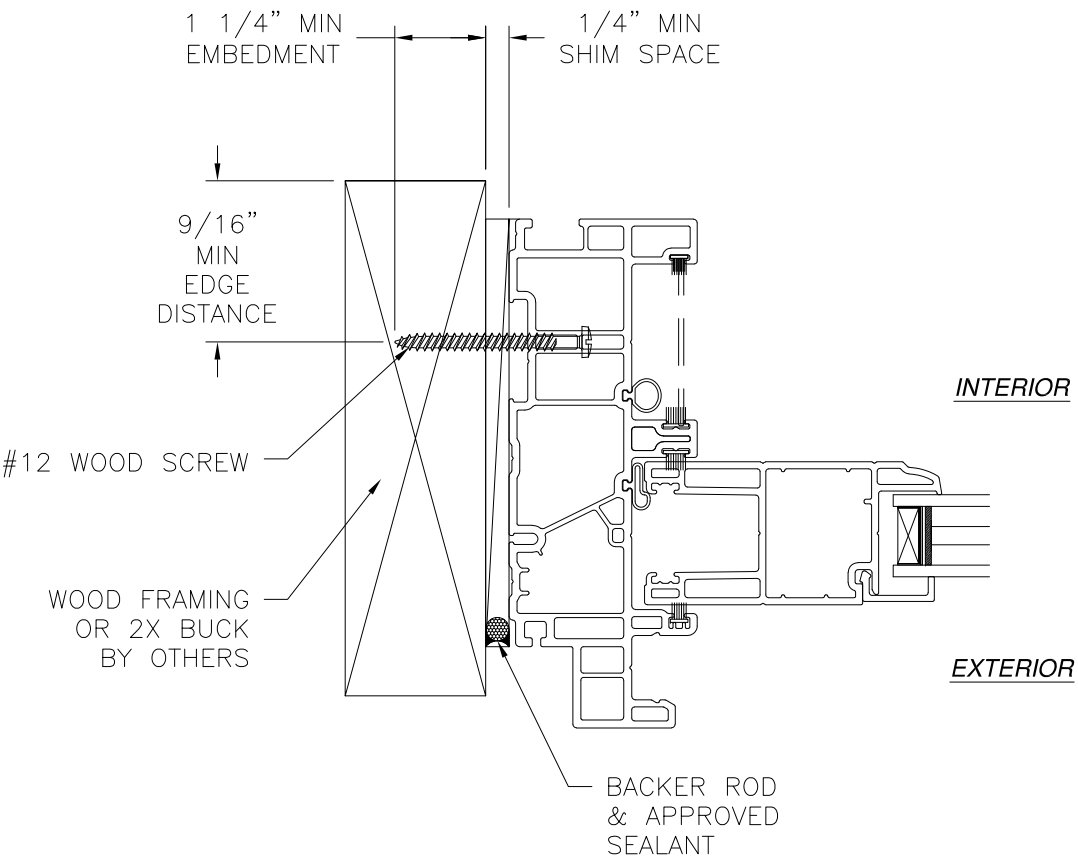
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 1615/1617 PVC SLIDING GLASS DOOR NON - IMPACT OXXO 187" X 96" ELEVATION		
DRAWN: A.R.	DWG NO. 08-03289	REV -
SCALE NTS	DATE 07/26/18	SHEET 2 OF 7
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

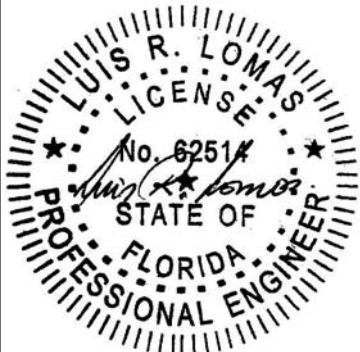


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

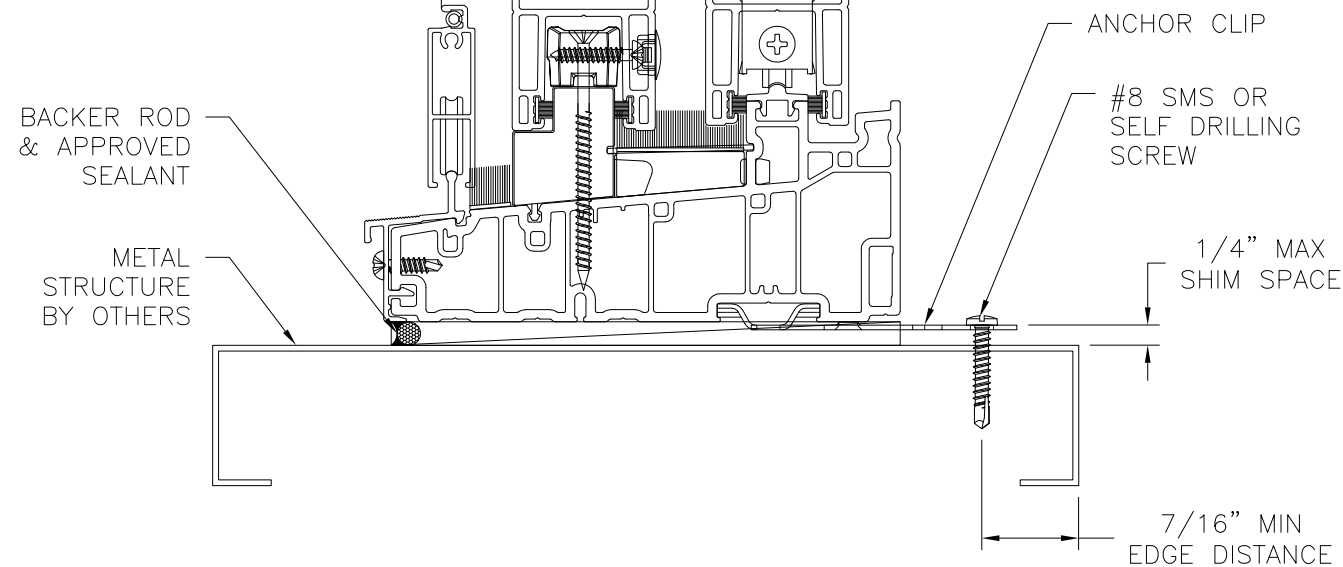
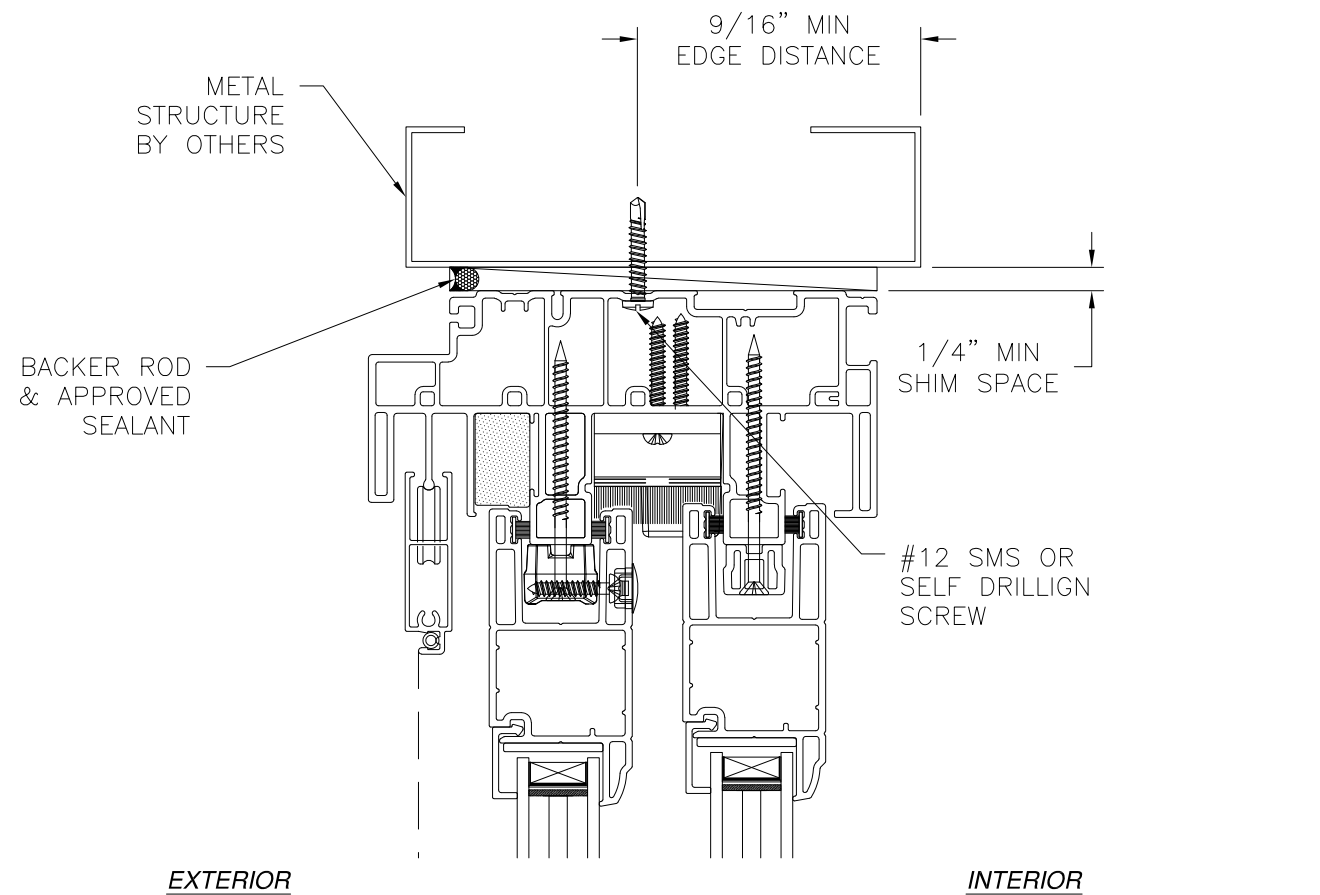
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030		
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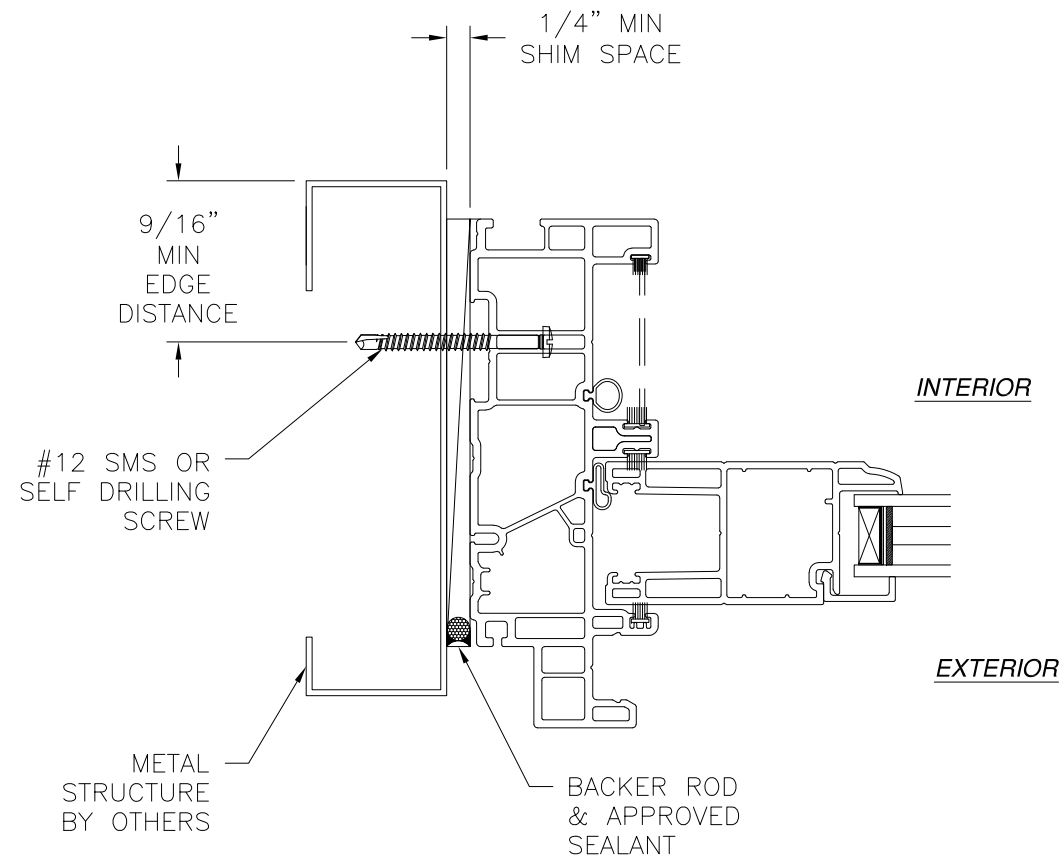


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

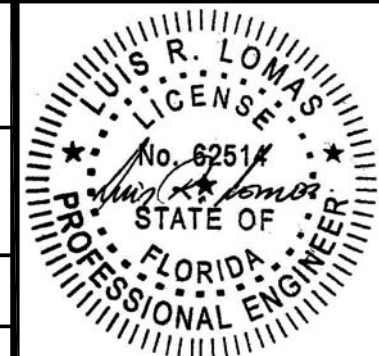


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

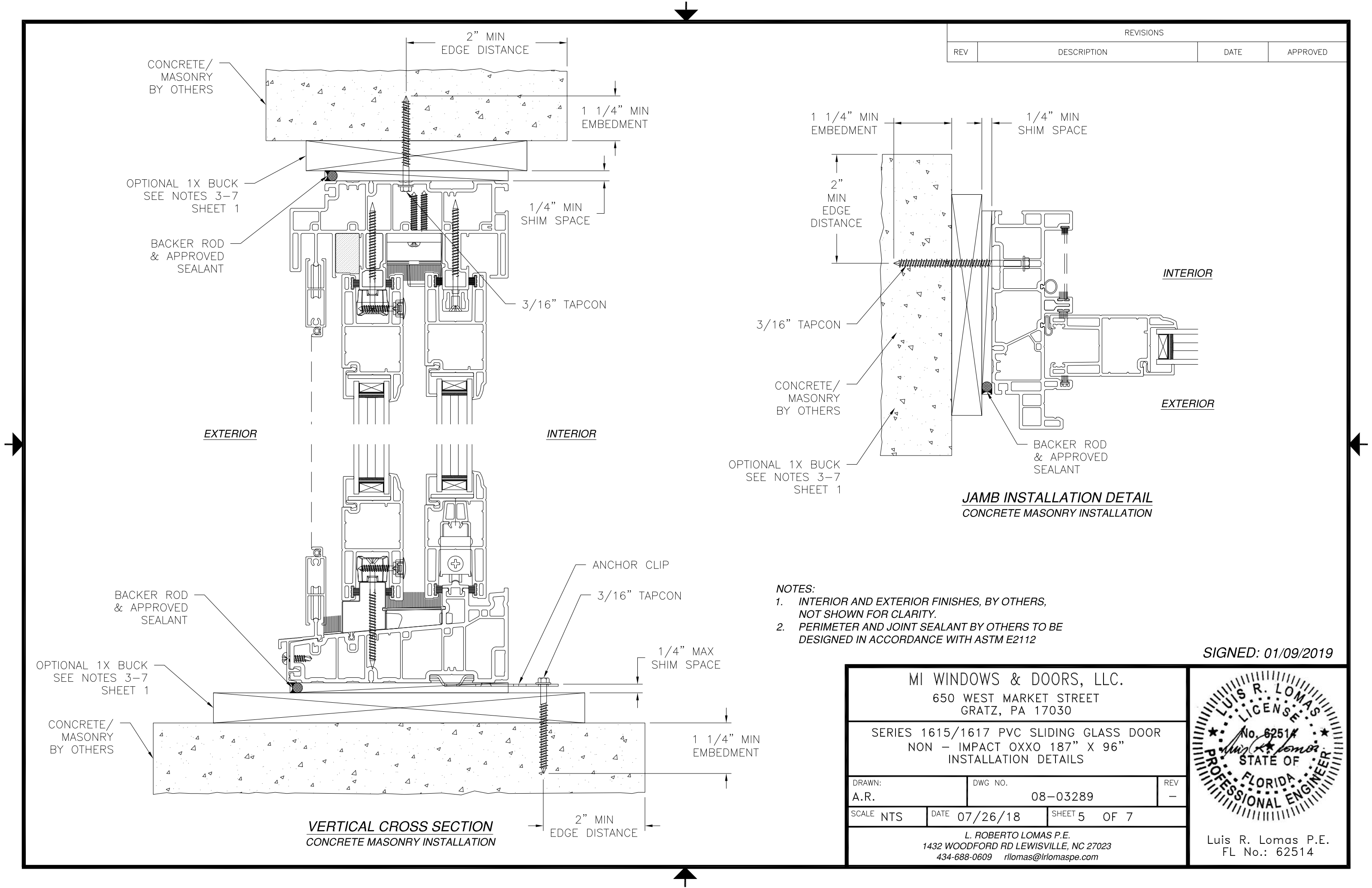
- NOTES:**
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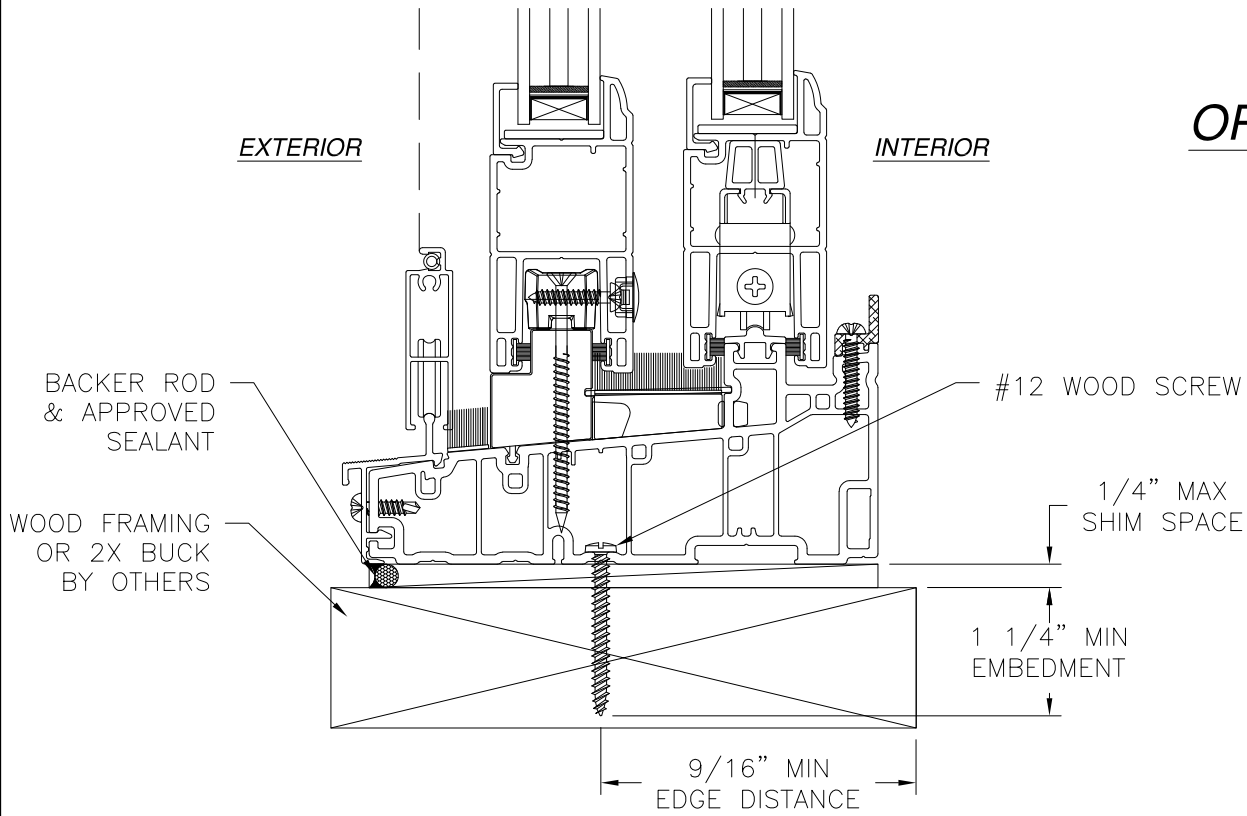
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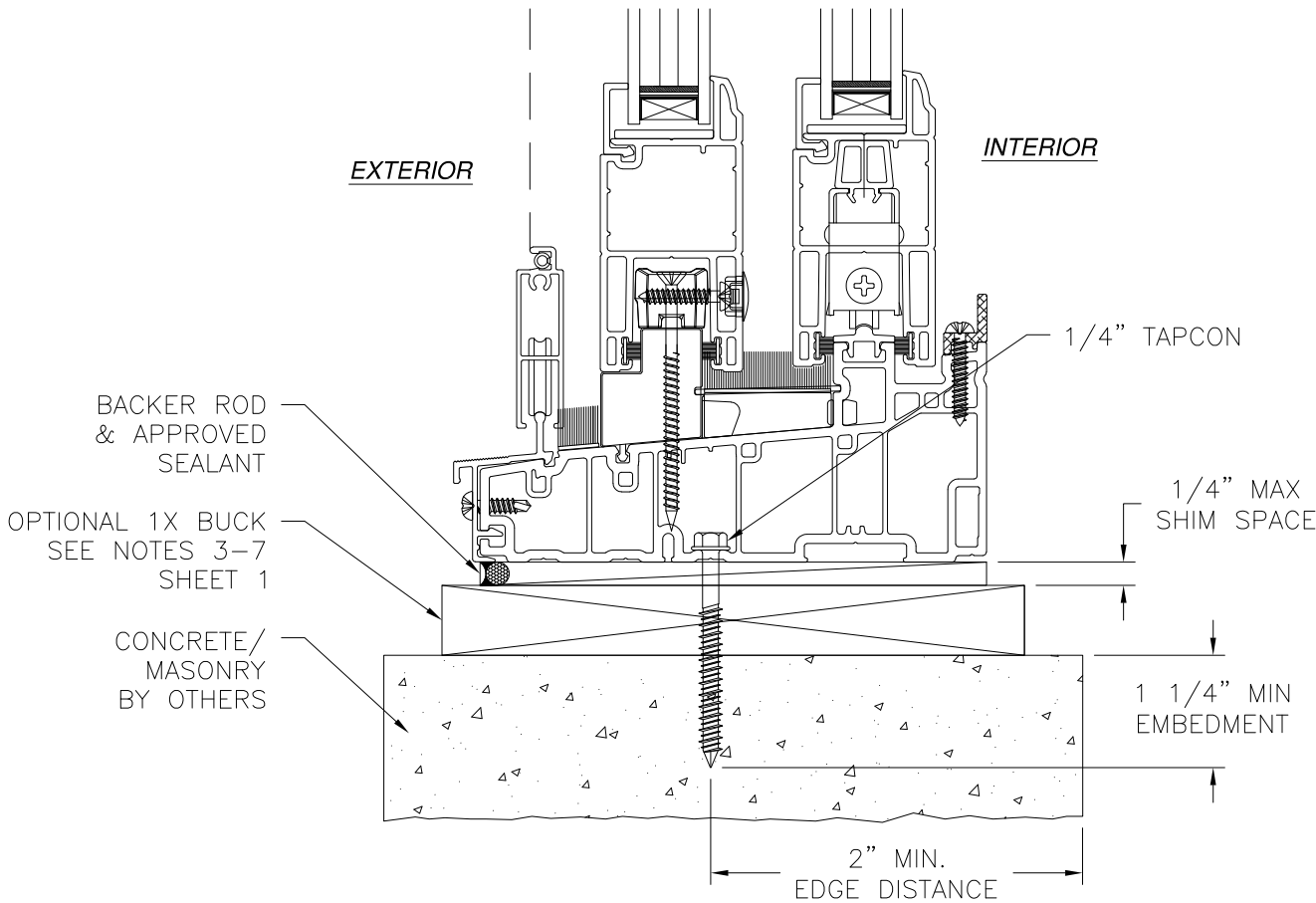
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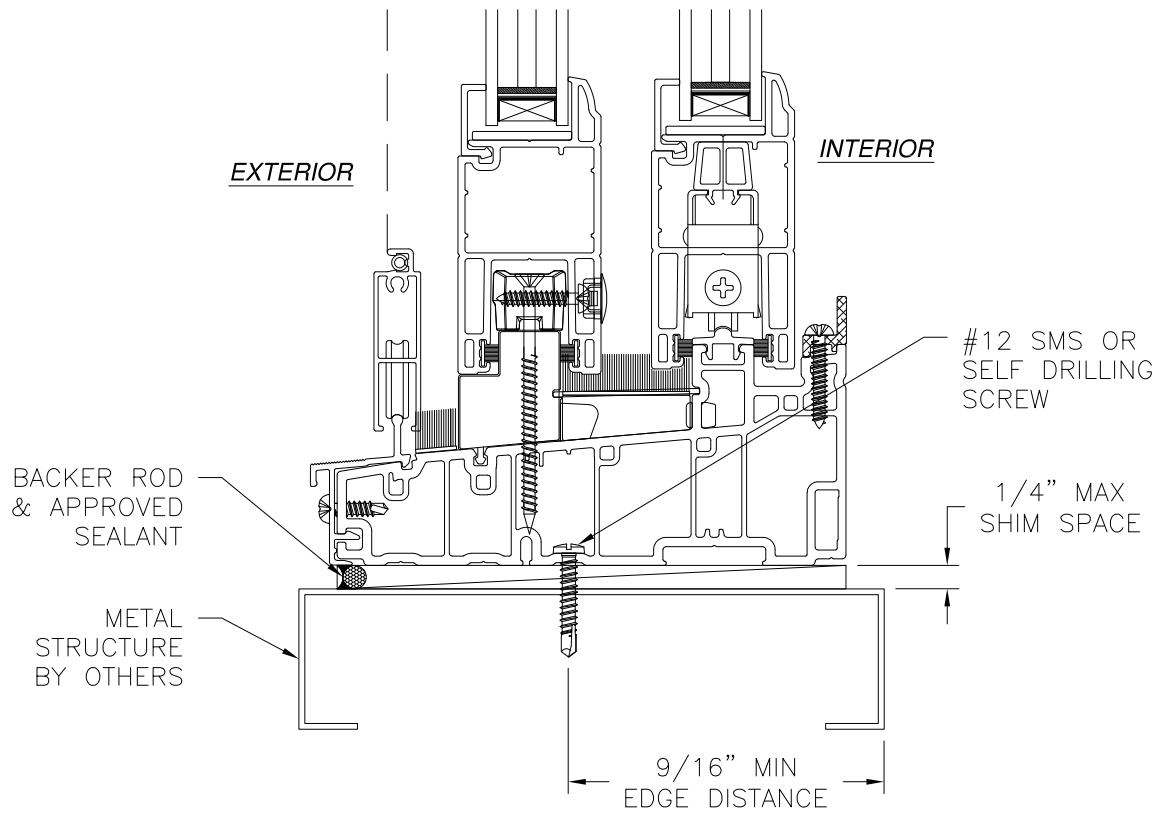
OPTIONAL SILL INSTALLATIONS



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
CONCRETE MASONRY INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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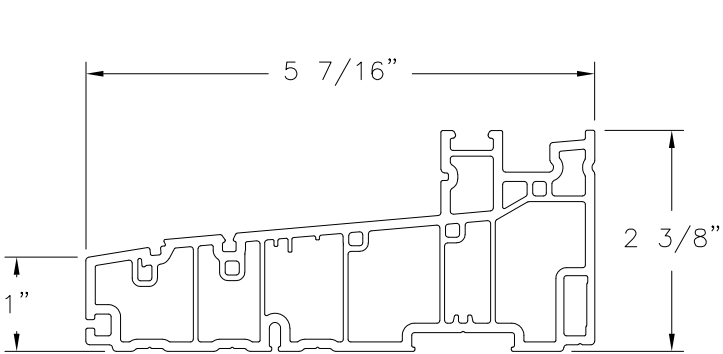
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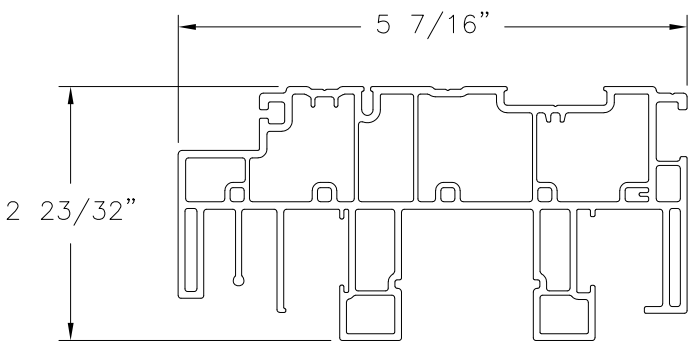


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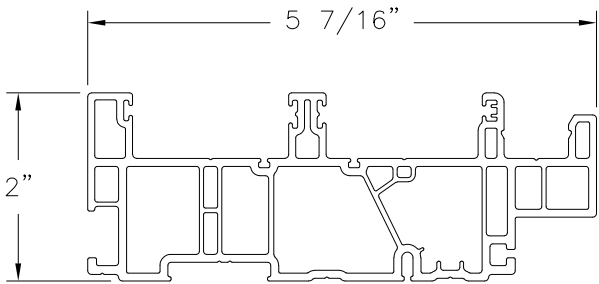
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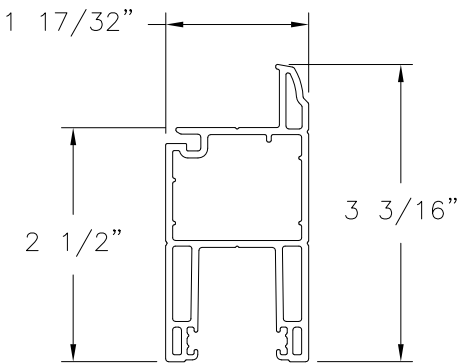
SILL FRAME
PVC (7000)



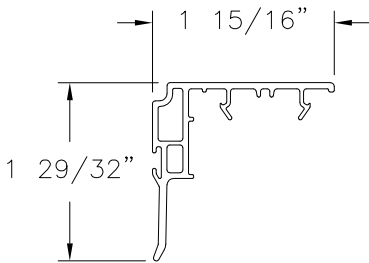
HEAD FRAME
PVC (7002)



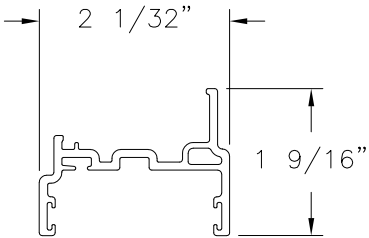
JAMB FRAME
PVC (7004)



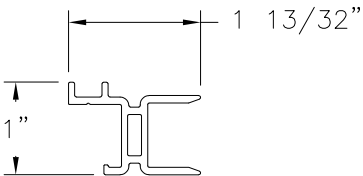
RAIL AND STILE
PVC (7506, 7507, 7508)



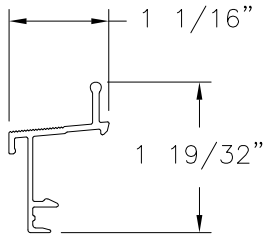
INTERLOCK
PVC (7026)



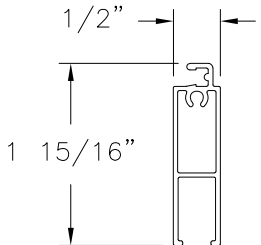
MULLION
PVC (7005)



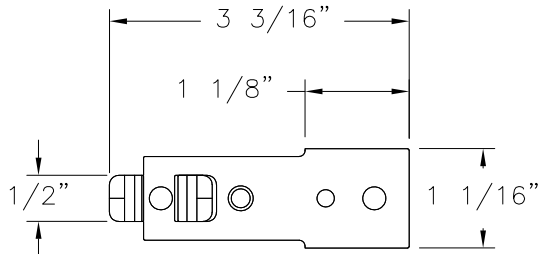
SCREEN MULLION
(715)



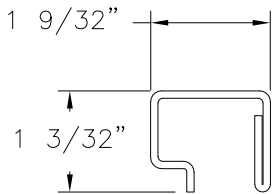
OUTSIDE SILL CLADDING
ALUMINUM (9991)



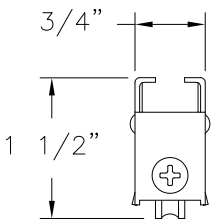
JAMB PLUG
(8926)



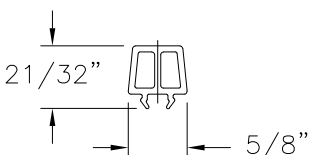
CLIP
GALVANIZED STEEL (.051" THICK)



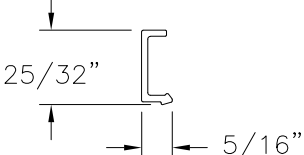
STILE REINFORCEMENT
STEEL (9599)



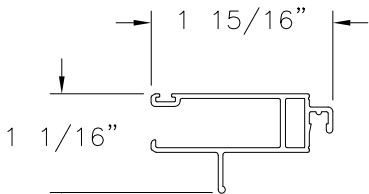
TANDEM WHEEL
(9732)



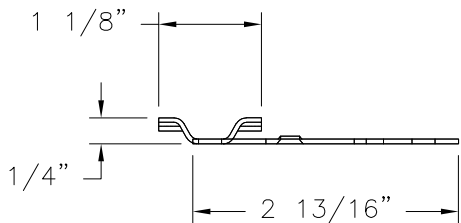
**OUT. BEAD WELDED SASH
TANDEM WHEEL SHIM**
PVC (7541)



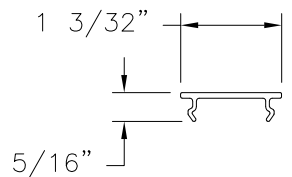
GLAZING BEAD
PVC (5775, 5770, 5771,
5772, 5793, 5794, 5796)



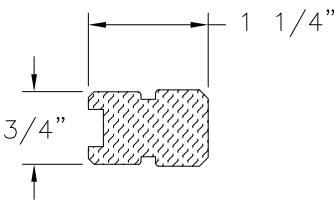
SCREEN KEEPER
(8960.GACHE)



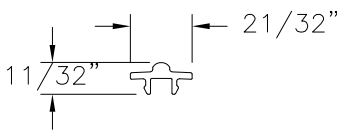
CLIP
GALVANIZED STEEL (.051" THICK)



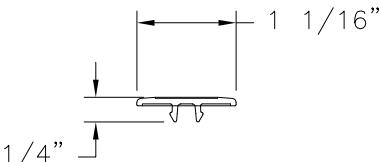
SASH COVERING CAP
PVC (7523)



MULLION BLOCK
(9882)



SLIDING PANEL RAIL
ALUMINUM (9790)



SLIDING CAP
PVC (8842)

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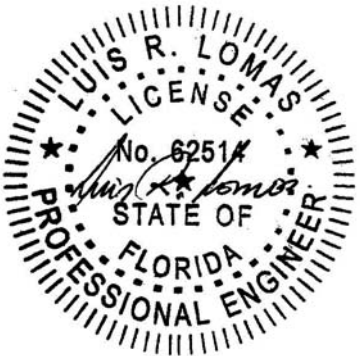
DATE 07/26/18

SHEET 7 OF 7

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