

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. 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".
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 ALUMINUM 6005-T5.
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 THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME 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 ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #14 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. 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
19. APPROVED CONFIGURATIONS: OXO
20. DOOR ASSEMBLIES INSTALLED WHERE OVERHANG RATIO IS EQUAL OR GREATER THAN 1.0 DO NOT REQUIRE WATER INFILTRATION RESISTANCE.

OVERHANG RATIO = OVERHANG LENGTH/OVERHANG HEIGHT.

SIGNED: 06/14/2017

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MI WINDOWS AND DOORS LLC

650 WEST MARKET STREET

GRATZ, PA 17030

SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR OXO NON-IMPACT 145" X 96"

NOTES

DRAWN:

A.R.

DWG NO.

08-03089

REV

-

SCALE

NTS

DATE

04/20/17

SHEET

1

 OF

9

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LUIS R. LOMAS

LICENS. M. S.

No. 62514

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514

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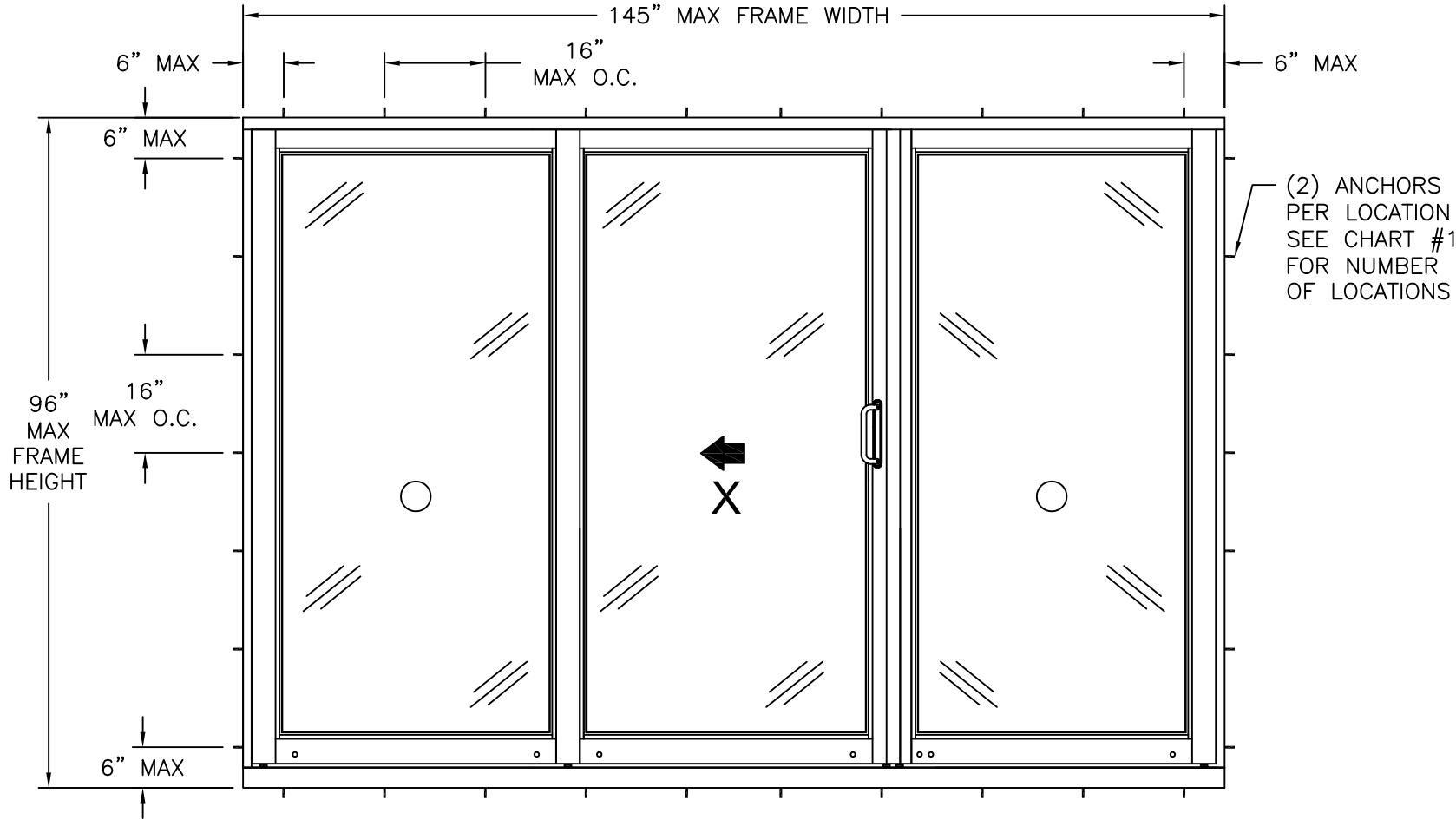


CHART #1												
Number of anchor locations required												
Frame Height (in)	Frame Width (in)											
	72.00		90.00		108.00		126.00		144.00		145.00	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
80.00	5	6	6	6	7	6	9	6	10	6	10	6
84.00	5	6	6	6	7	6	9	6	10	6	10	6
90.00	5	6	6	6	7	6	9	6	10	6	10	6
96.00	5	7	6	7	7	7	9	7	10	7	10	7

SERIES 120 ALUMINUM SLIDING GLASS DOOR NON-IMPACT (OXO)

EXTERIOR VIEW
FINLESS & FLANGE INSTALLATION

WITH STANDARD SILL

DESIGN PRESSURE RATING	IMPACT RATING
+15.0/-55.0PSF	NONE

WHERE WATER PENETRATION IS REQUIRED

WITH 2 5/8" & 3 1/2" SILL EXTENDERS

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	NONE

WHERE WATER PENETRATION IS REQUIRED

WITH STANDARD SILL AND 2 5/8" & 3 1/2" SILL EXTENDERS

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	NONE

WHERE WATER PENETRATION IS NOT REQUIRED

NOTES:

1. MAXIMUM PANEL SIZE: 48 5/8" X 93 1/2"
2. MAXIMUM D.L.O.: 40 5/8" X 85 1/2"

HARDWARE SCHEDULE

A.	TANDEM ROLLER ASSEMBLY, 2 PER PANEL, AT BOTTOM RAIL, 8" FROM EACH END
B.	LOCK HANDLE, 1 PER OPERABLE PANEL, AT LOCK STILE, 39" FROM BOTTOM RAIL

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GLASS DOOR OXO NON-IMPACT 145" X 96"
ELEVATION

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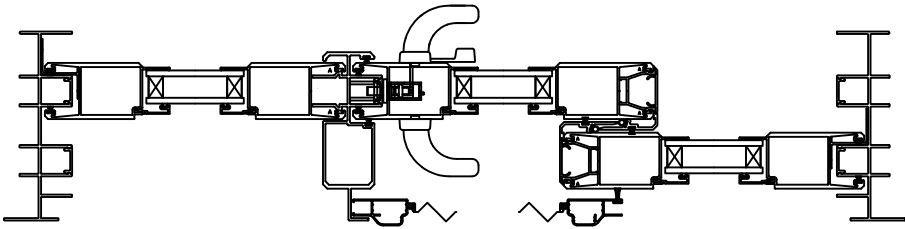
SHEET
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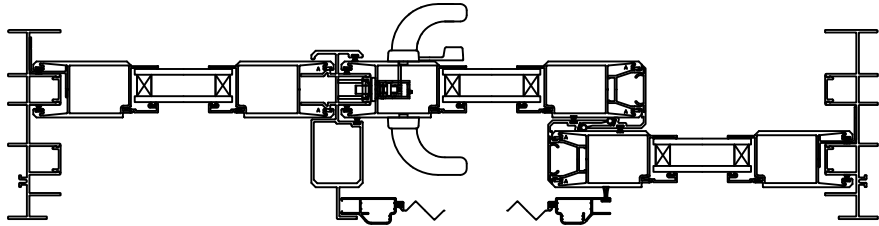


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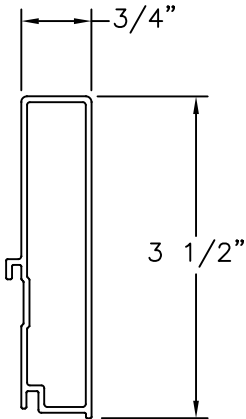
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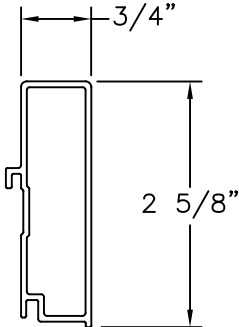
OXO (FLANGE)



OXO (FINLESS)



3 1/2" SILL EXTENDER
ALUMINUM 6063-T5 .062" THICK



2 5/8" SILL EXTENDER
ALUMINUM 6063-T5 .062" THICK

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PLAN VIEWS AND COMPONENTS

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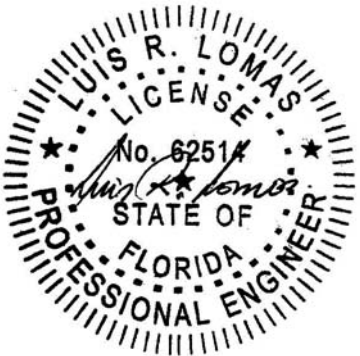
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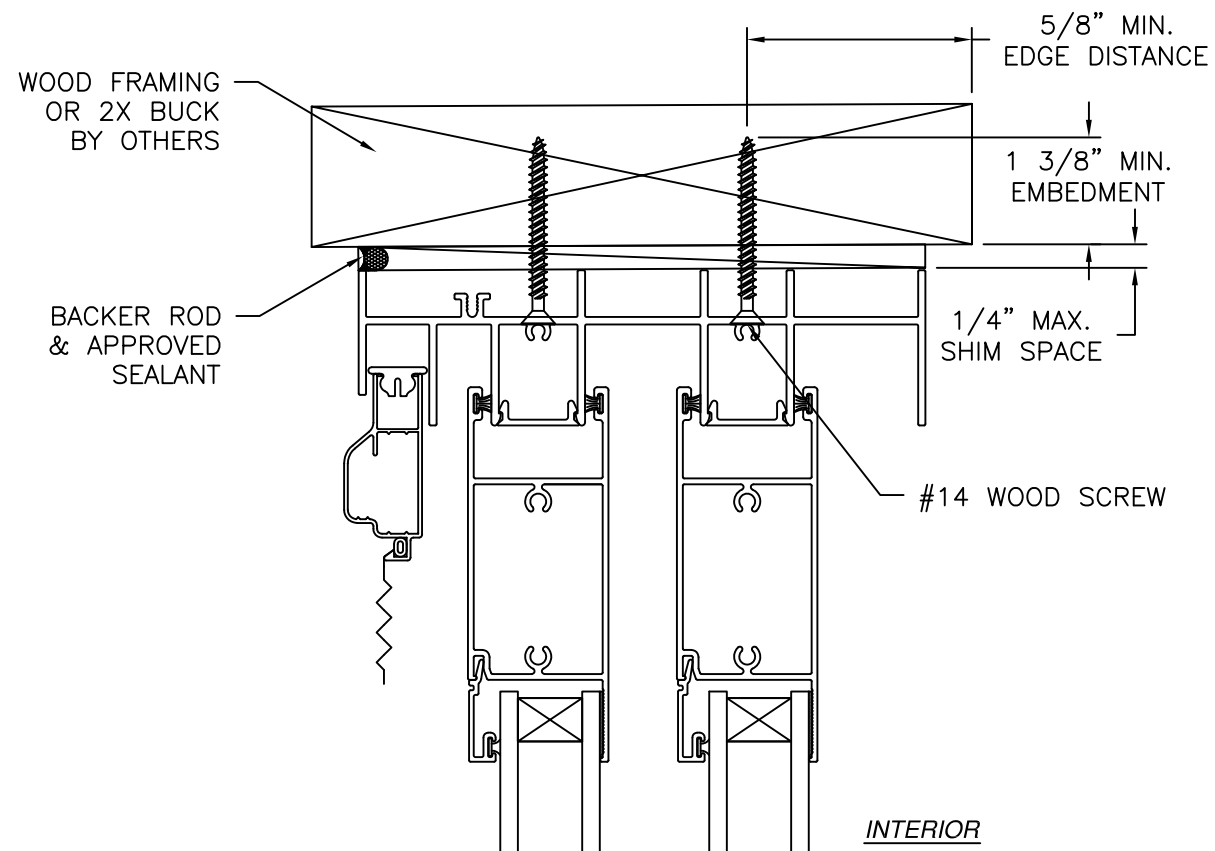
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3 OF 9

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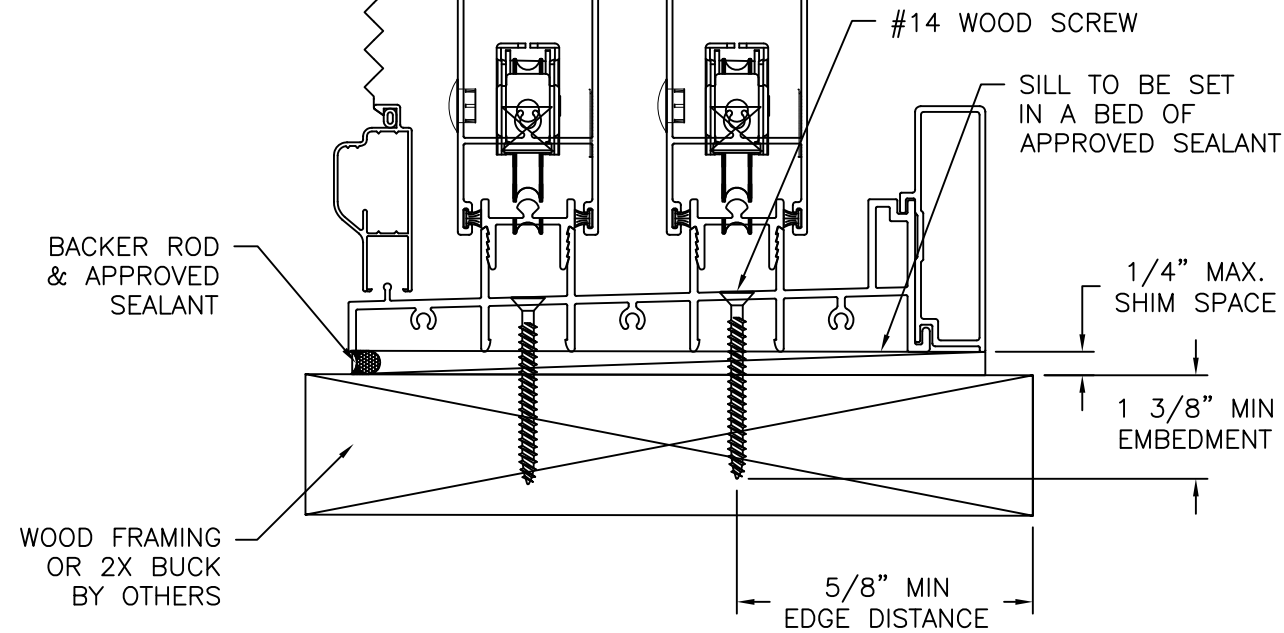


EXTERIOR

INTERIOR

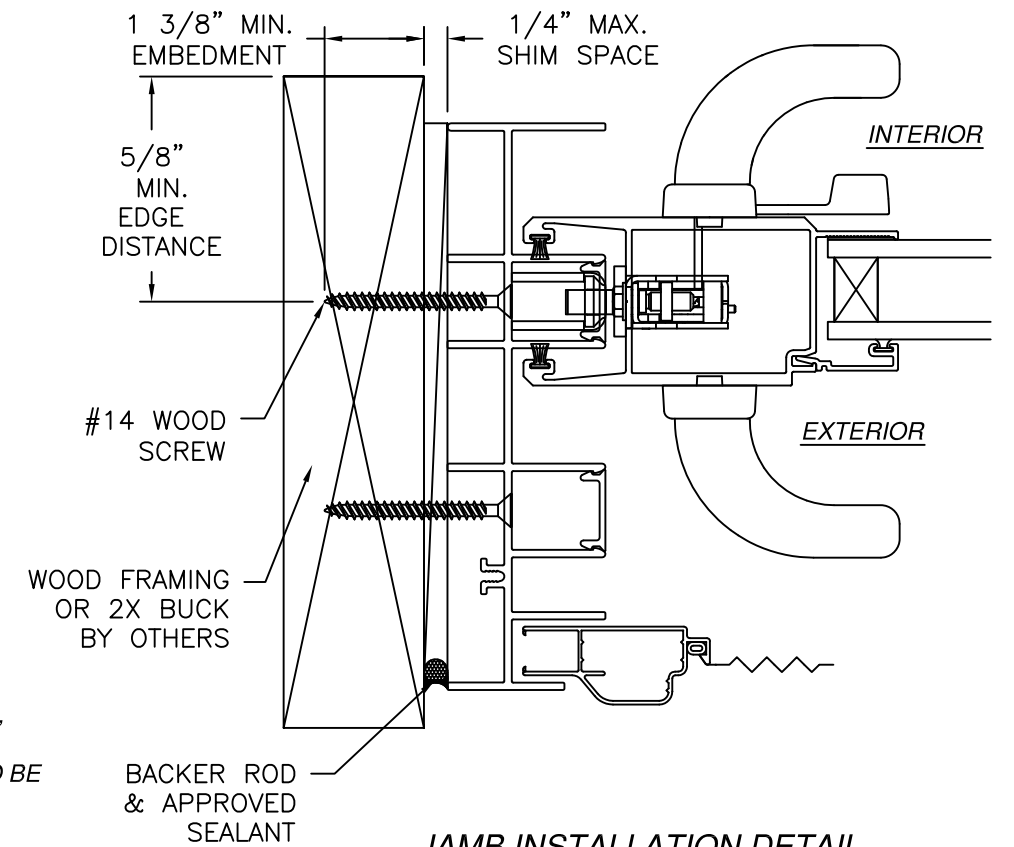
NOTES:

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



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

REVISIONS			
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

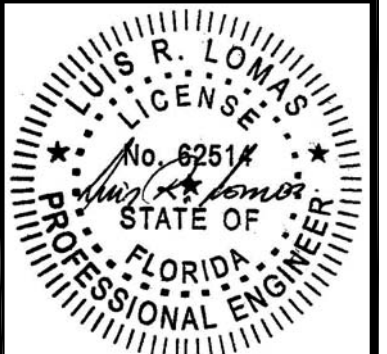
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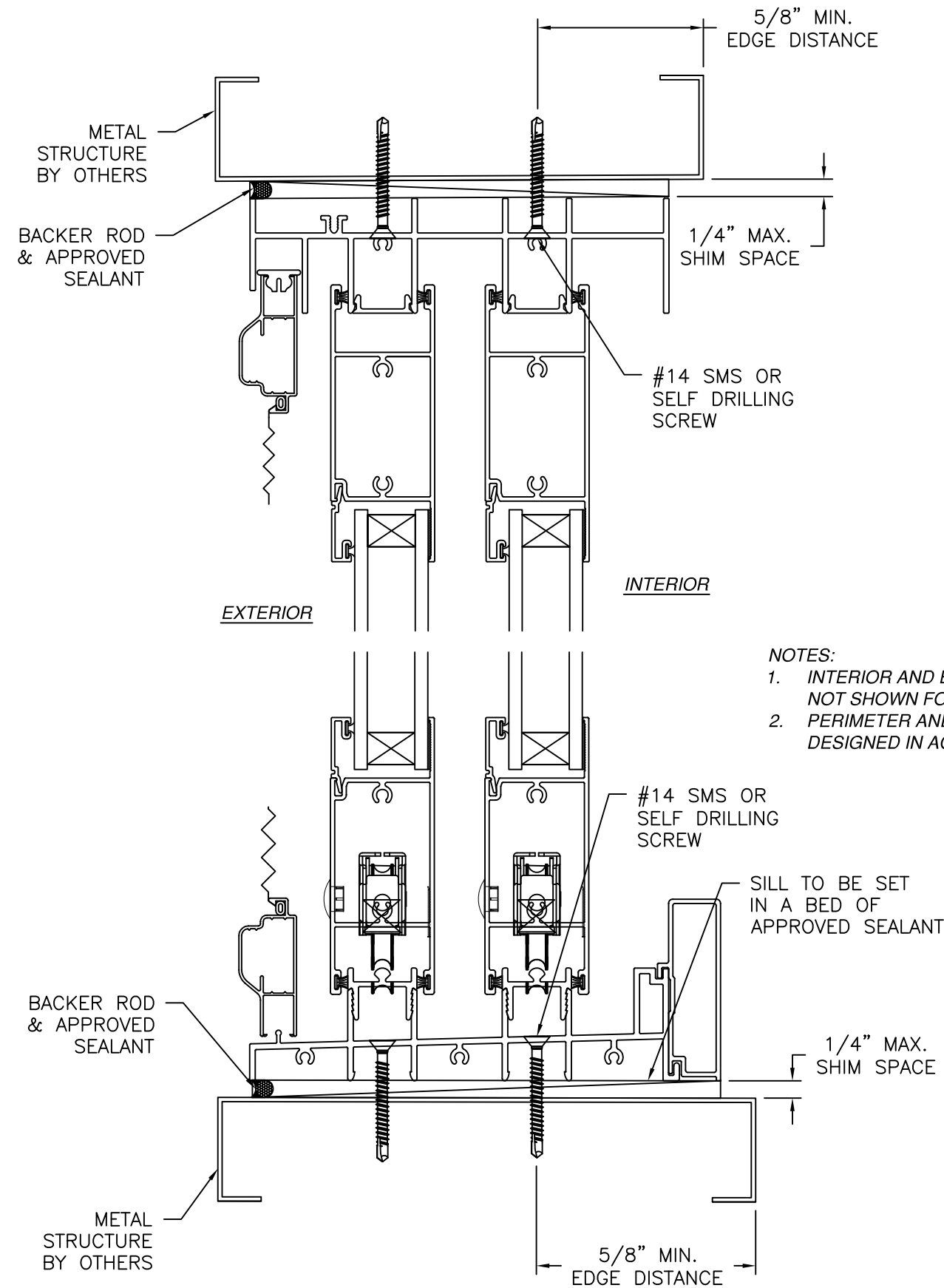
SERIES 120/130/140 ALUMINUM SLIDING
GLASS DOOR OXO NON-IMPACT 145" X 96"
FINLESS INSTALLATION DETAILS

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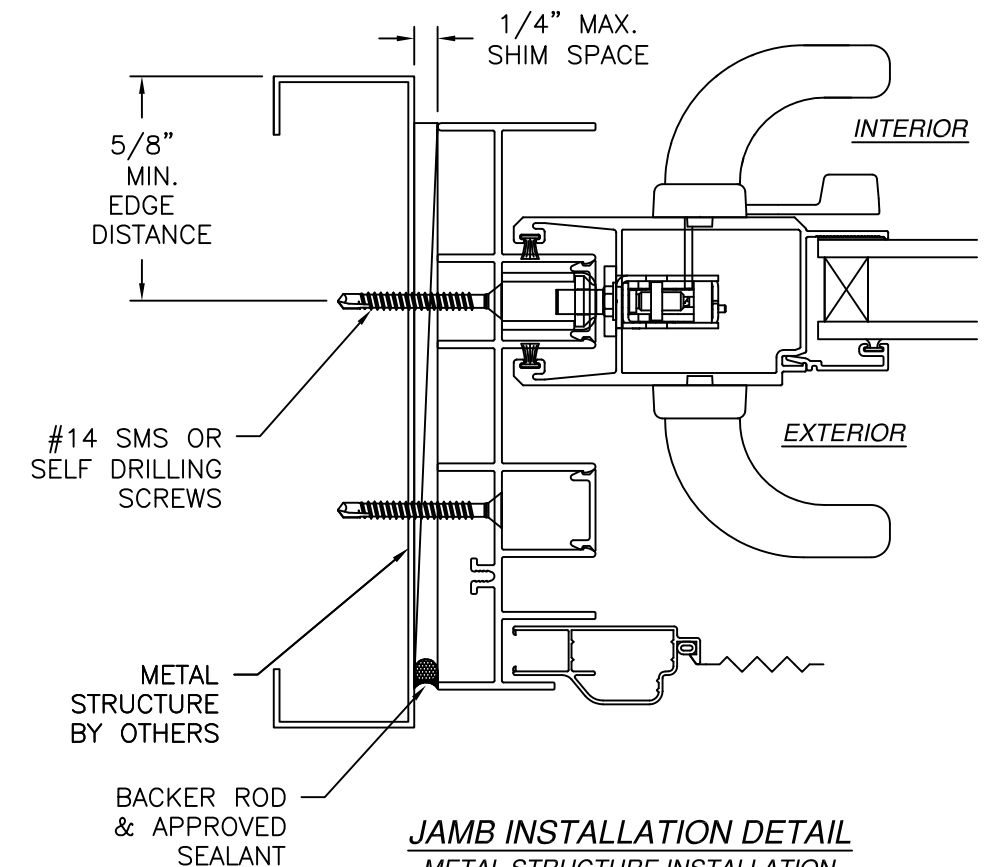
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

- NOTES:
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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

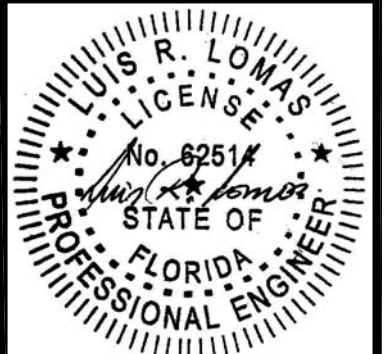
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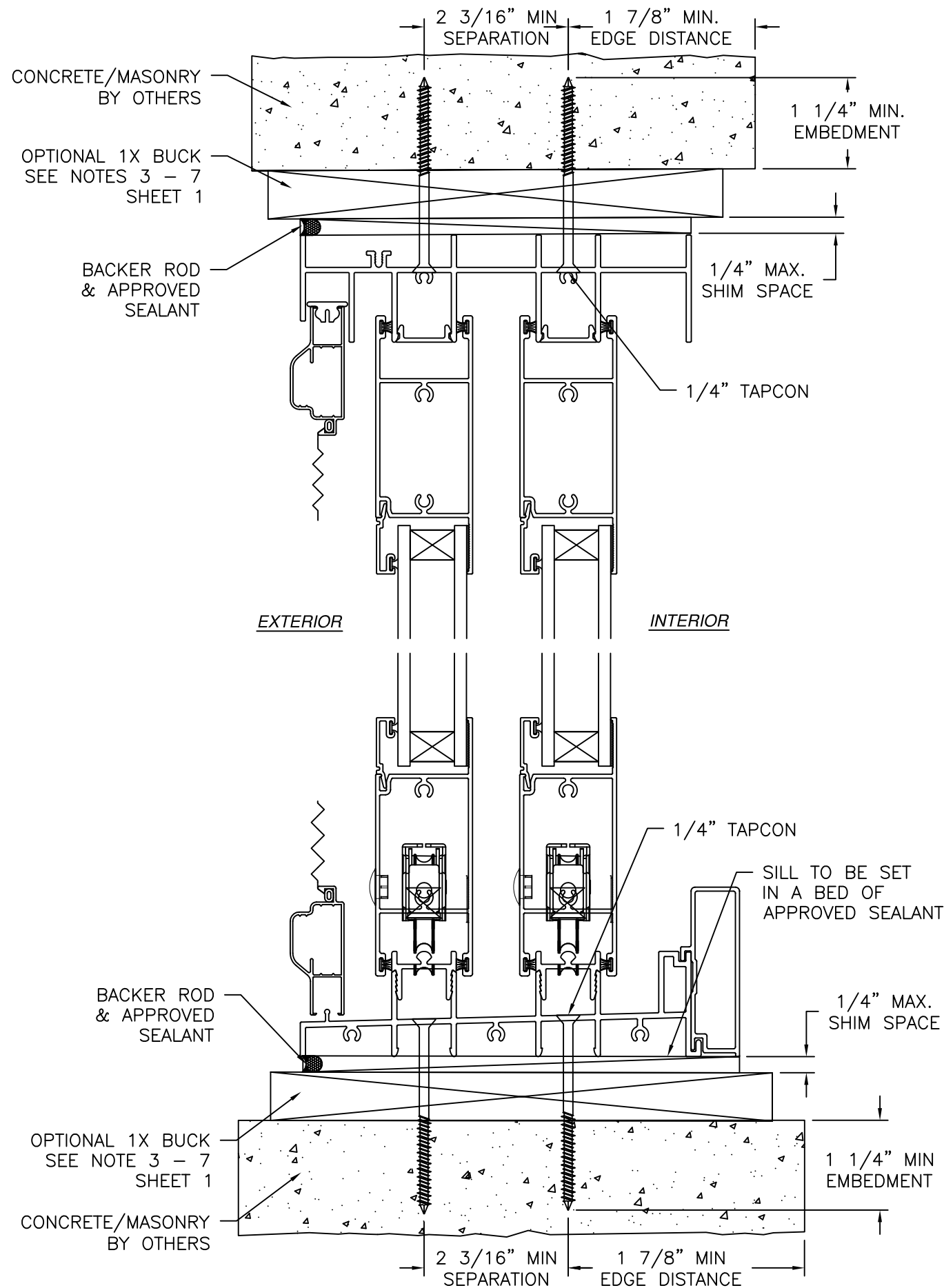
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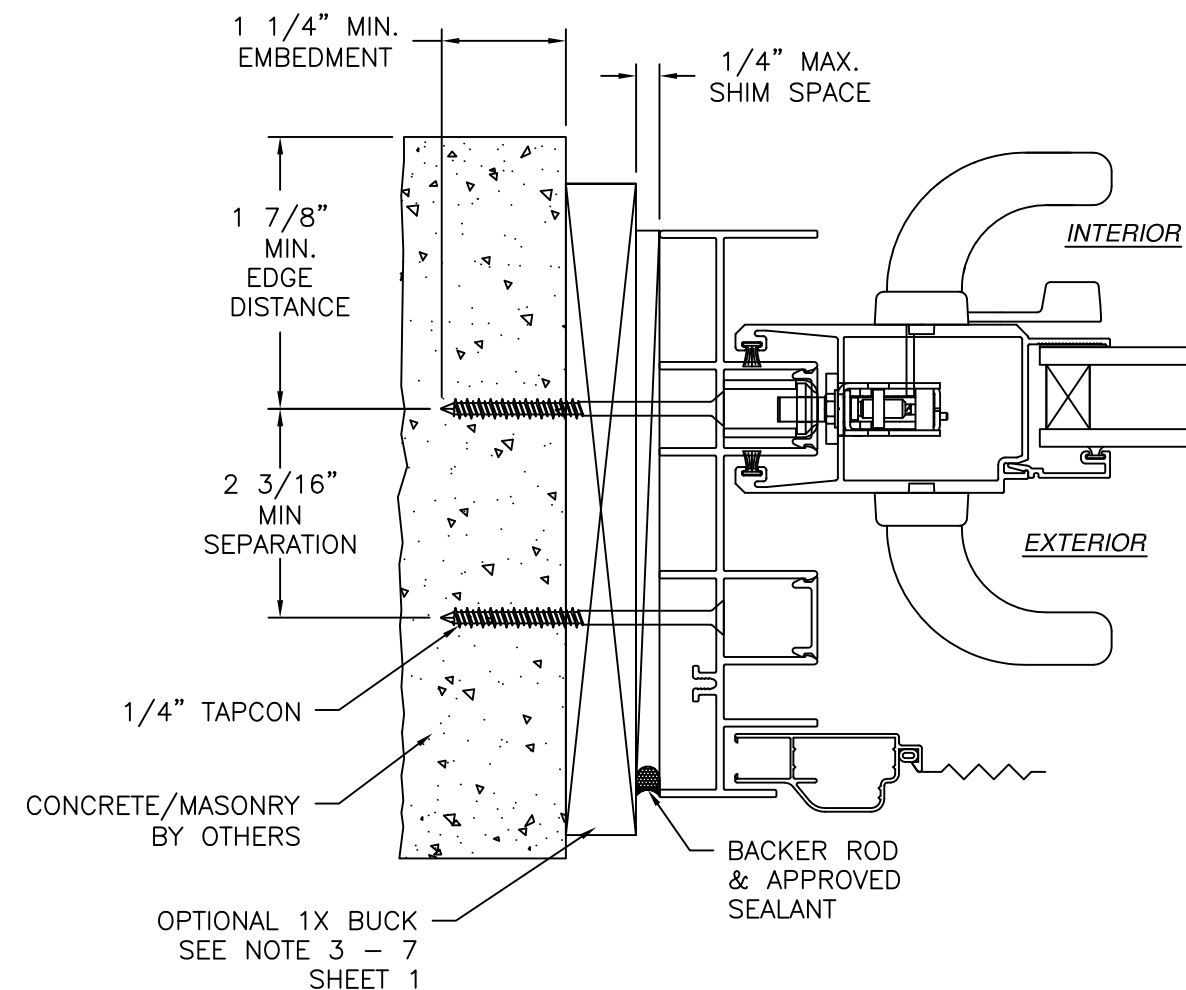


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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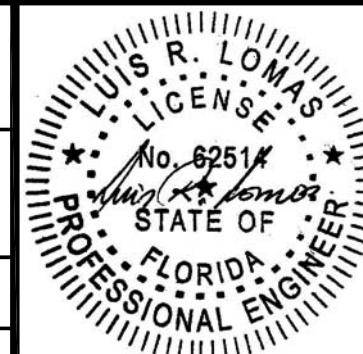
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CONCRETE/MASONRY INSTALLATION

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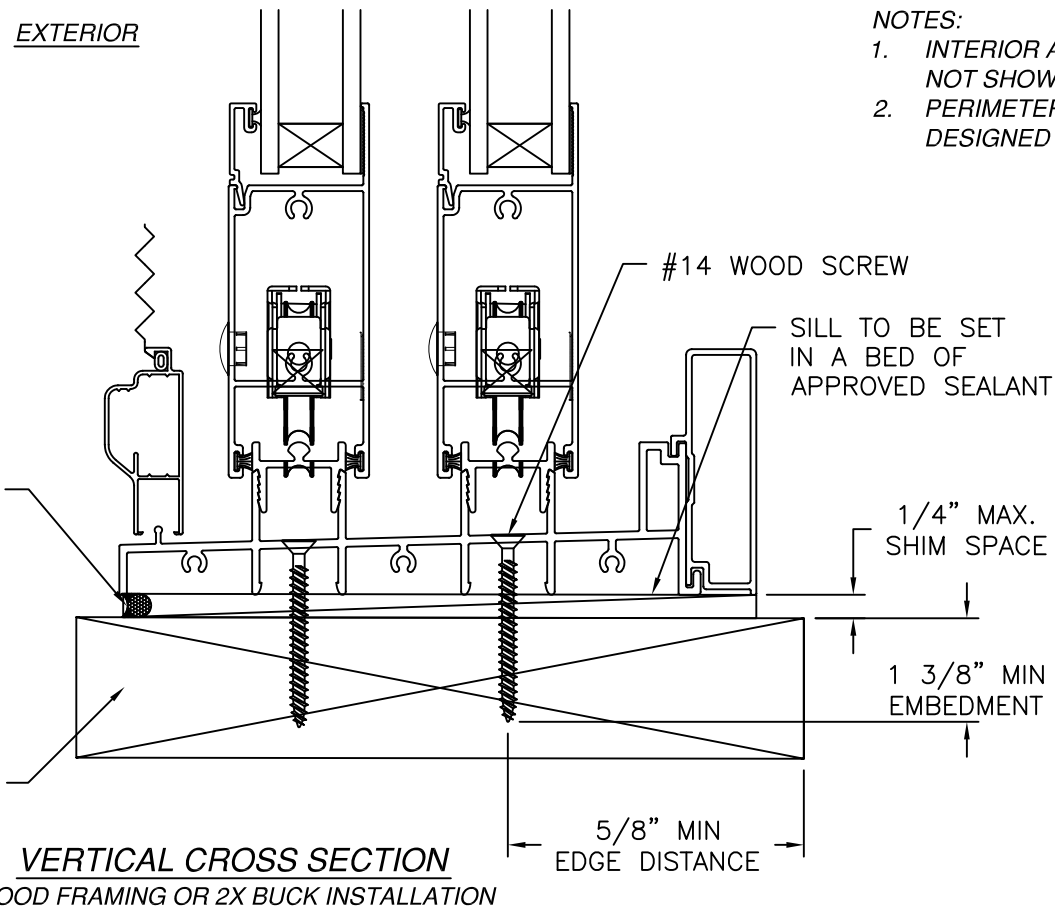
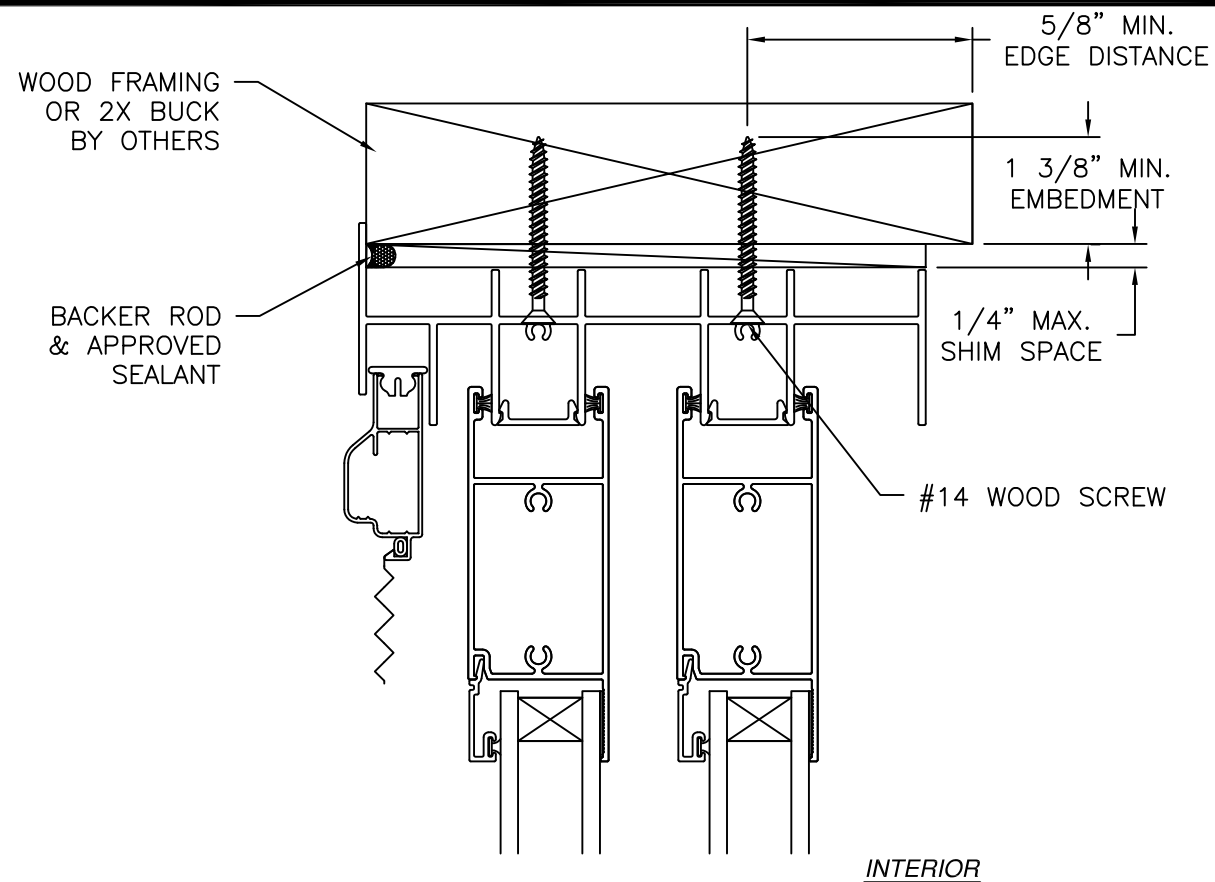
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MI WINDOWS AND DOORS LLC 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 120/130/140 ALUMINUM SLIDING GLASS DOOR OXO NON-IMPACT 145" X 96" FINLESS INSTALLATION DETAILS		
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SCALE NTS	DATE 04/20/17	SHEET 6 OF 9
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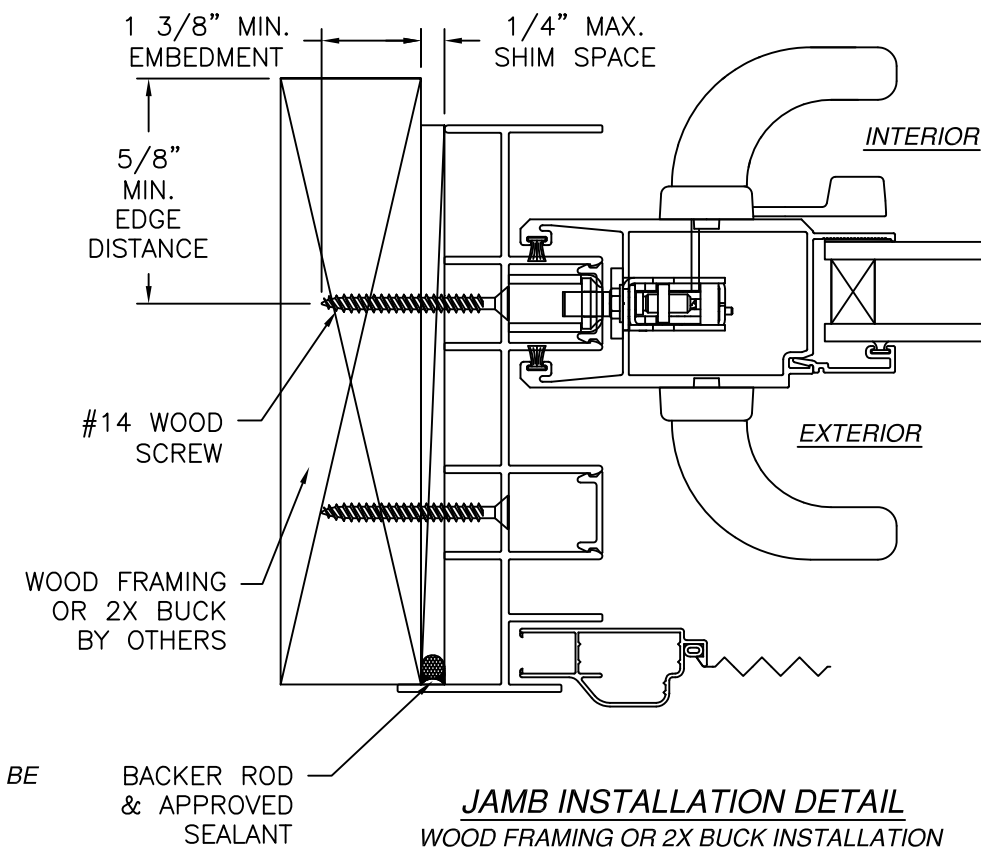


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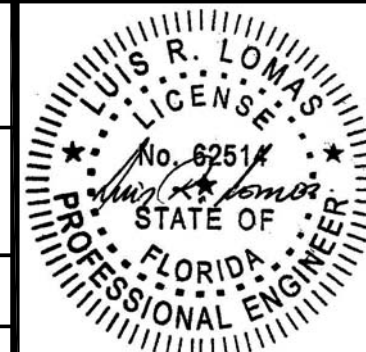
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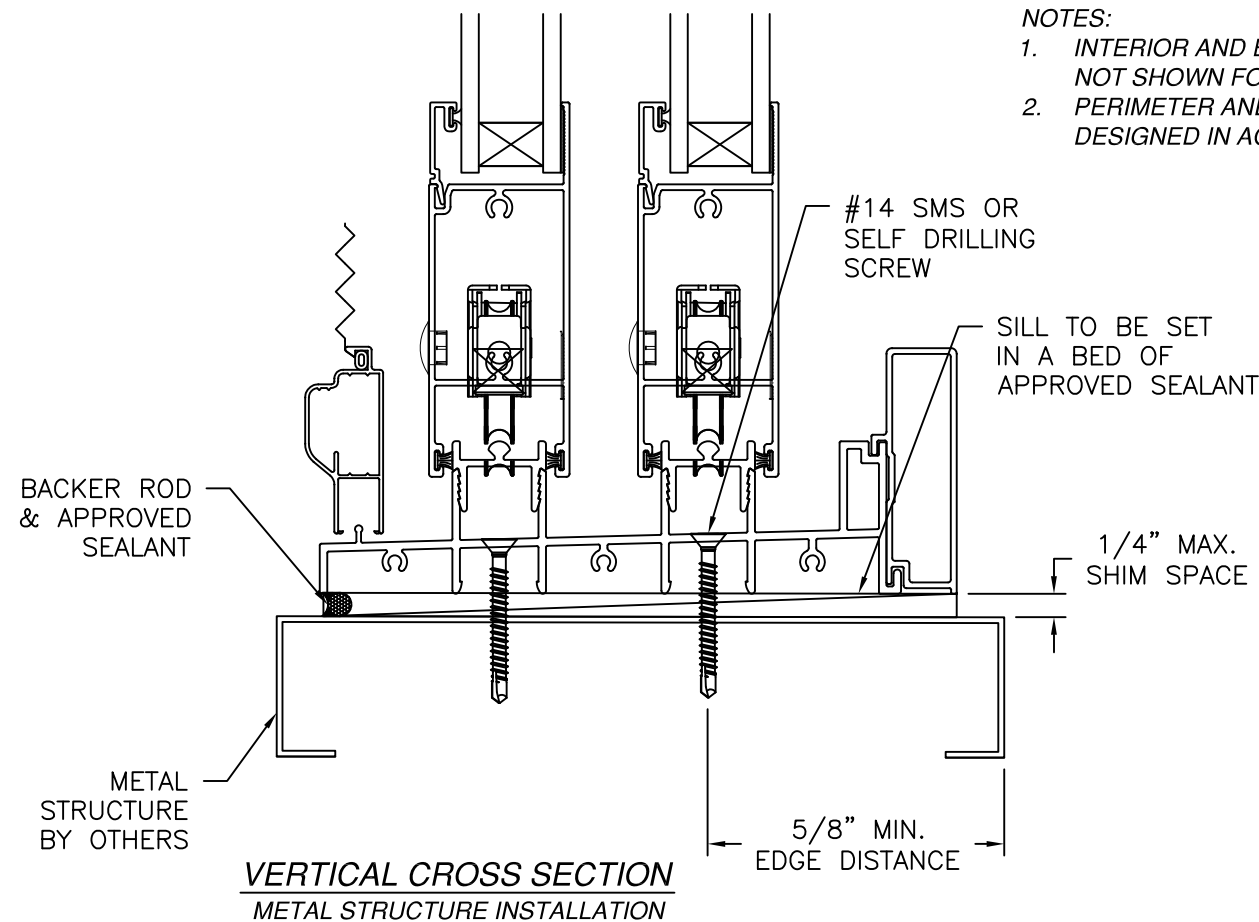
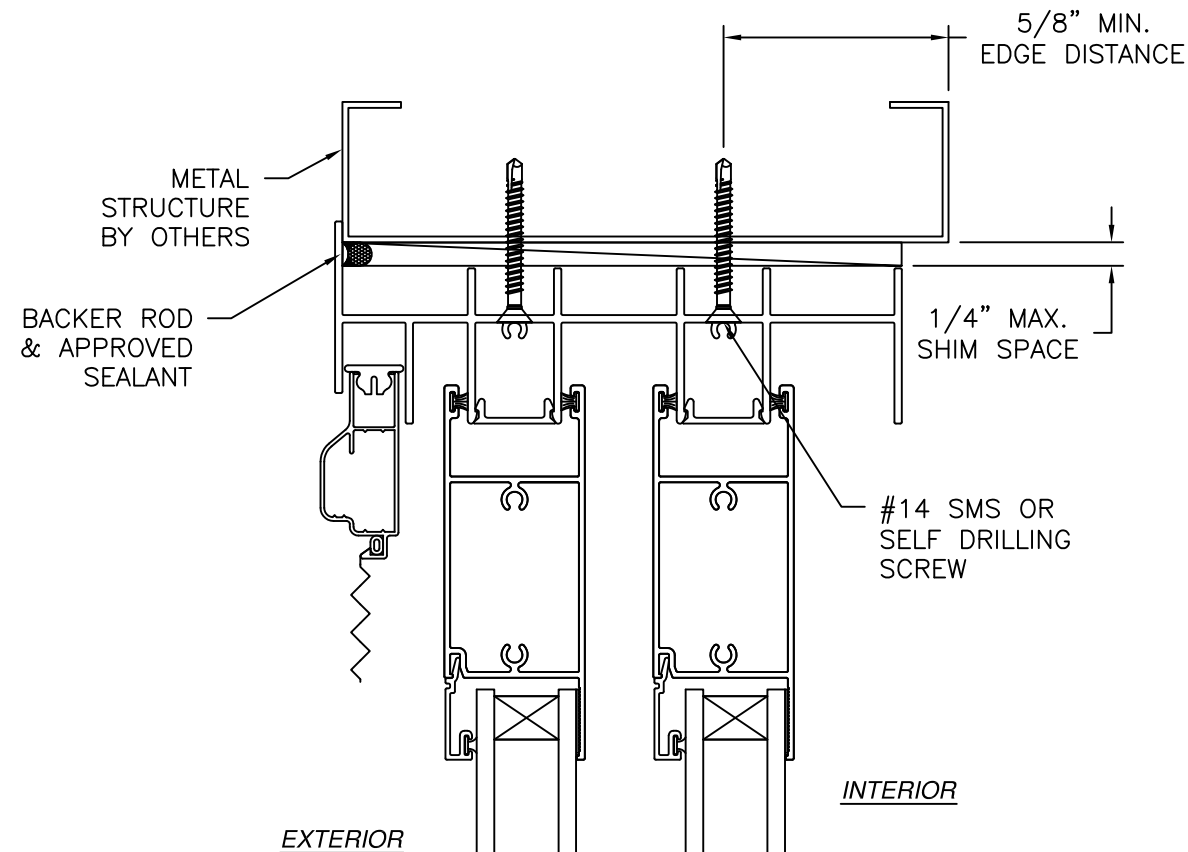
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FLANGE INSTALLATION DETAILS

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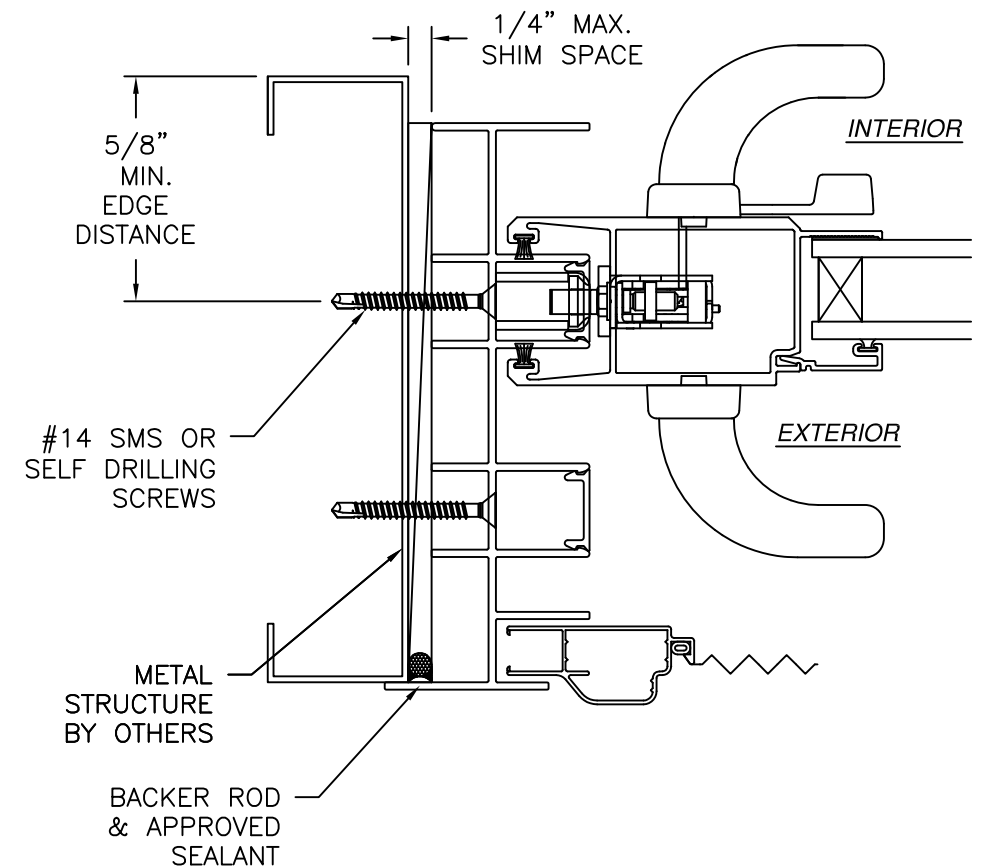


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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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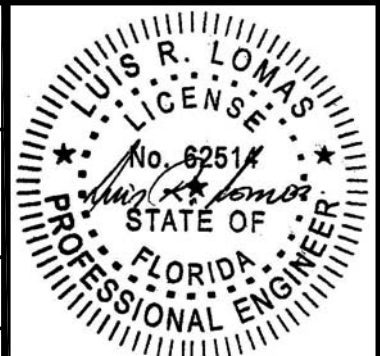
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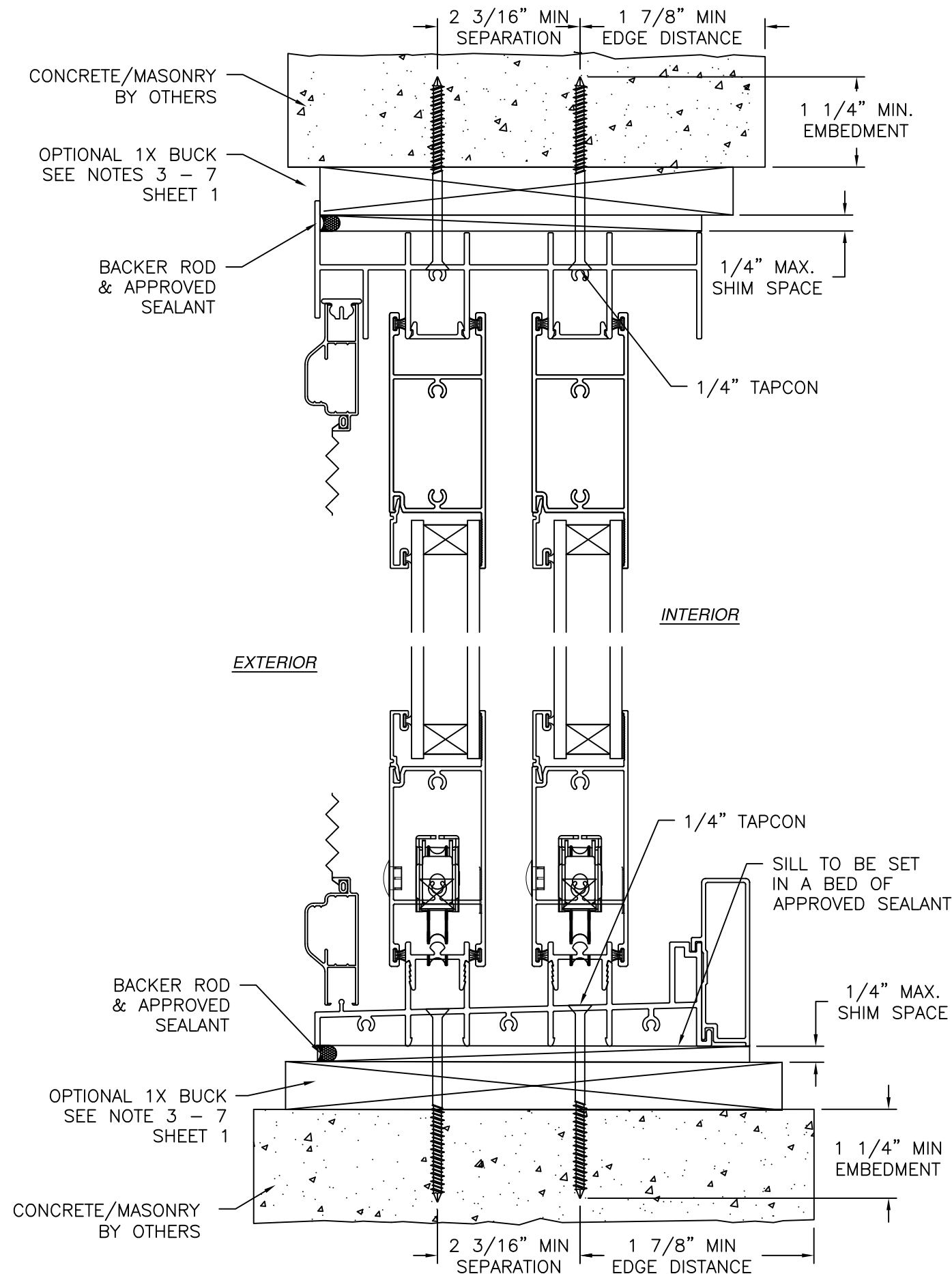
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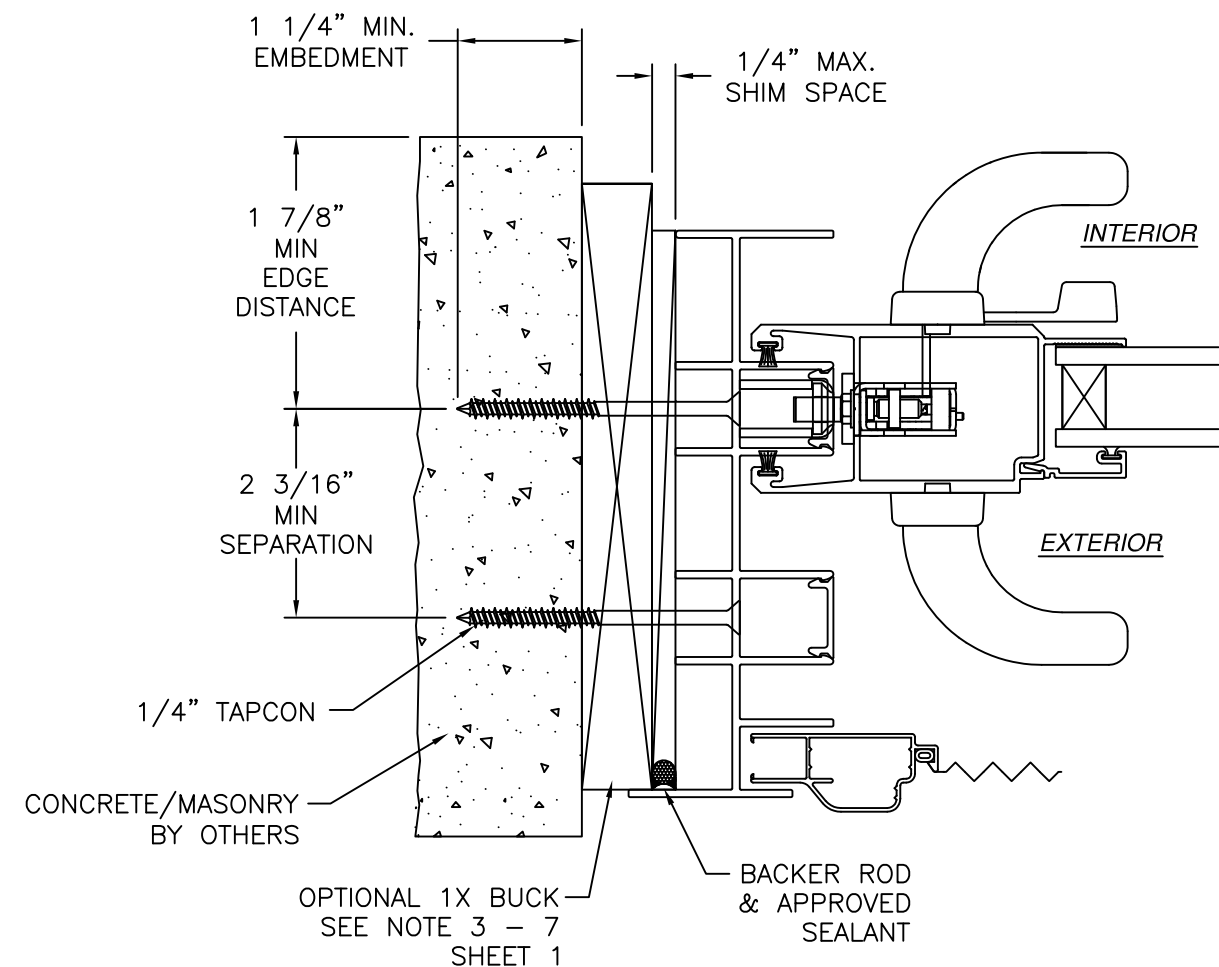
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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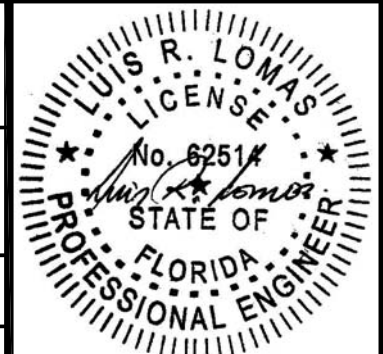
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