REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IBC AND THE 2006 IRC WITH STATE OF TEXAS MODIFICATIONS AND WITH THE 2009 IBC, 2009 IRC, 2012 IBC AND 2012 IRC.
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: OX, XO, XX, OXO, OXXO.

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1	NOTES
2	ELEVATION, ANCHORING LAYOUTS AND CHARTS
3	PLAN VIEWS AND SILL RISER DETAILS
4 – 9	INSTALLATION DETAILS

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

SERIES 120 ALUMINUM SLIDING
GLASS DOOR – NON–IMPACT
NOTES

DRAWN:	DWG NO.	REV
A.R.	08–03137	–
SCALE NTS	DATE 06/27/17	SHEET 1 OF 9

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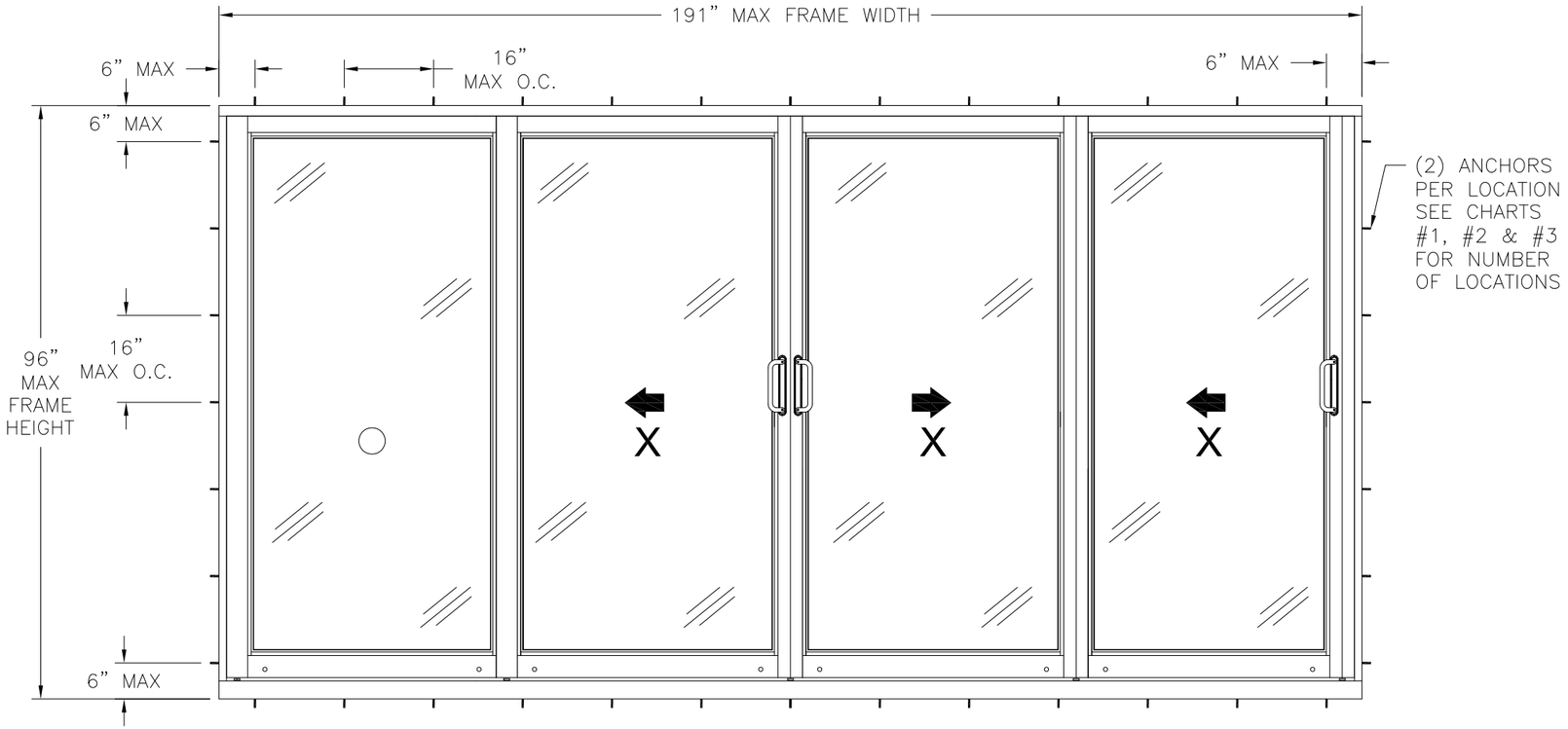

SERIES 120 ALUMINUM SLIDING GLASS DOOR NON-IMPACT

EXTERIOR VIEW

FINLESS & FLANGE INSTALLATION

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

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	NONE

Chart #1: Units with 2 panels

Number of anchor locations required (2 anchors per location)										
Frame Height (in)	Frame Width (in)									
	48.00		60.00		72.00		84.00		96.00	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
80.00	4	6	4	6	5	6	6	6	7	6
84.00	4	6	4	6	5	6	6	6	7	6
90.00	4	6	4	6	5	6	6	6	7	6
96.00	4	7	4	7	5	7	6	7	7	7

Chart #2: Units with 3 panels

Number of anchor locations required (2 anchors per location)										
Frame Height (in)	Frame Width (in)									
	72.00		90.00		108.00		126.00		144.00	
	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
84.00	5	6	6	6	7	6	9	6	10	6
90.00	5	6	6	6	7	6	9	6	10	6
96.00	5	7	6	7	7	7	9	7	10	7

Chart #3: Units with 4 panels

Number of anchor locations required (2 anchors per location)										
Frame Height (in)	Frame Width (in)									
	96.00		120.00		144.00		168.00		192.00	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
80.00	7	6	8	6	10	6	11	6	13	6
84.00	7	6	8	6	10	6	11	6	13	6
90.00	7	6	8	6	10	6	11	6	13	6
96.00	7	7	8	7	10	7	11	7	13	7

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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, 8" FROM EACH END OF BOTTOM RAIL,
B.	LOCK HANDLE, 1 PER OPERABLE PANEL AT LOCK STILE, 39" FROM THE BOTTOM RAIL

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SERIES 120 ALUMINUM SLIDING
GLASS DOOR – NON–IMPACT
ELEVATION

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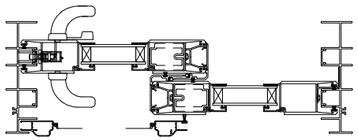
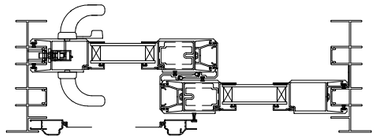
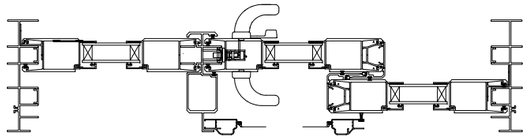


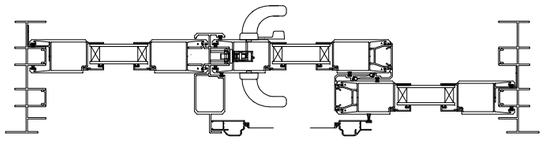
XO (OX OPPOSITE)
FINLESS FRAME



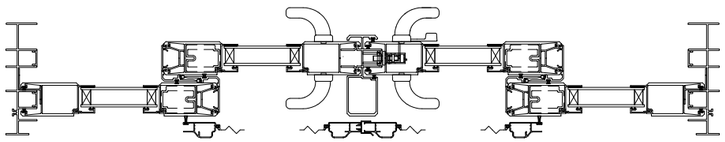
XO (OX OPPOSITE)
FLANGE FRAME



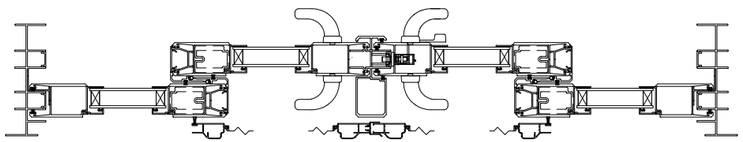
OXO
FINLESS FRAME



OXO
FLANGE FRAME



OXXO
FINLESS FRAME



OXXO
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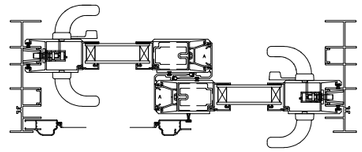

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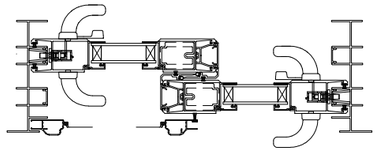
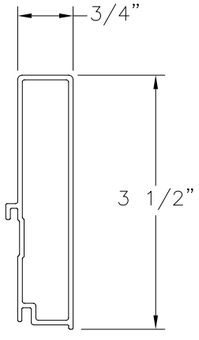
FINLESS FRAME

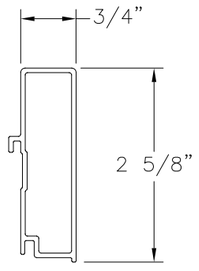


XX
FLANGE FRAME

APPROVED CONFIGURATIONS



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



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

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SERIES 120 ALUMINUM SLIDING
GLASS DOOR – NON–IMPACT
PLAN VIEWS & SILL RISER DETAILS

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NTS	06/27/17	3 OF 9

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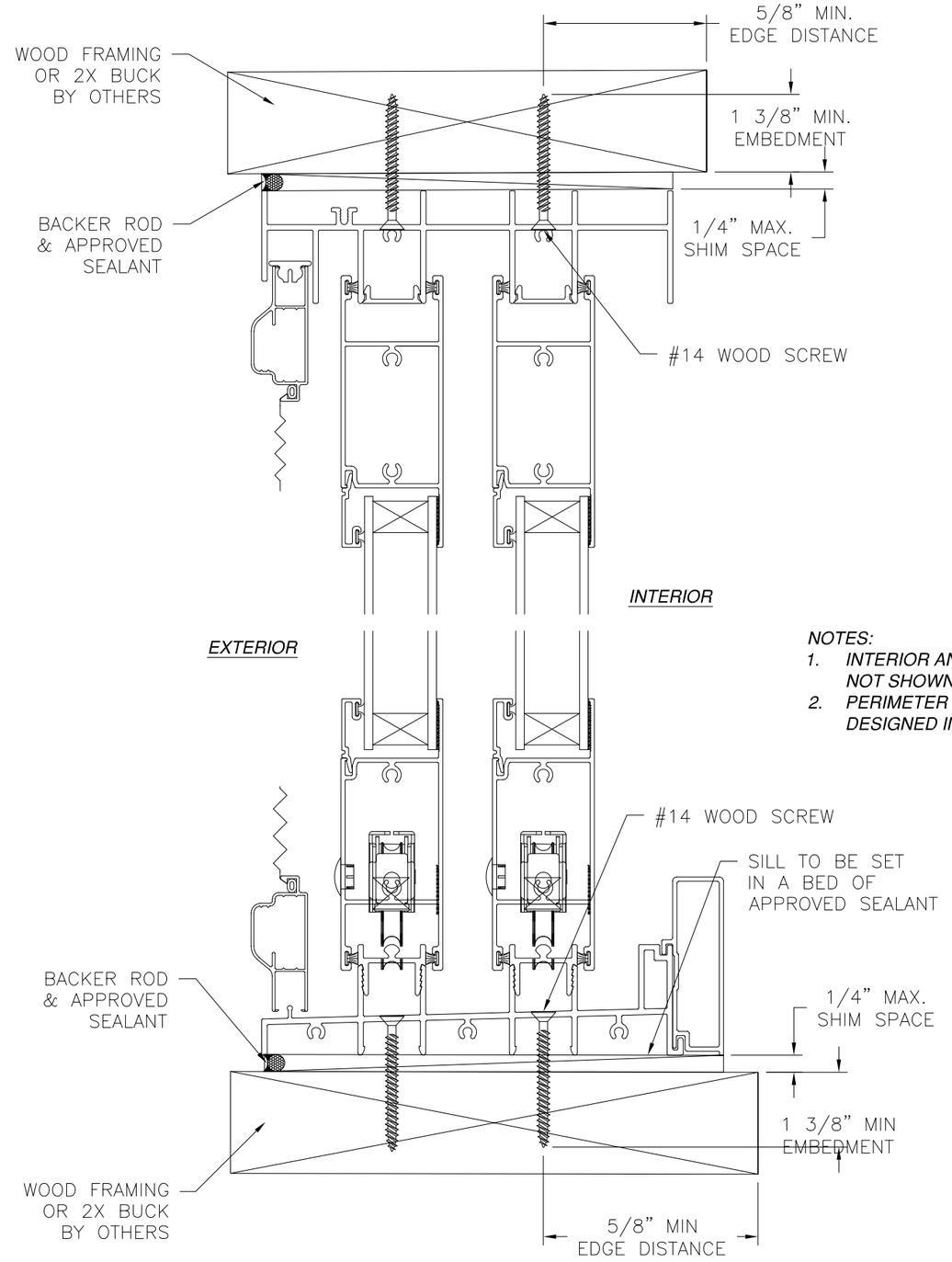

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:
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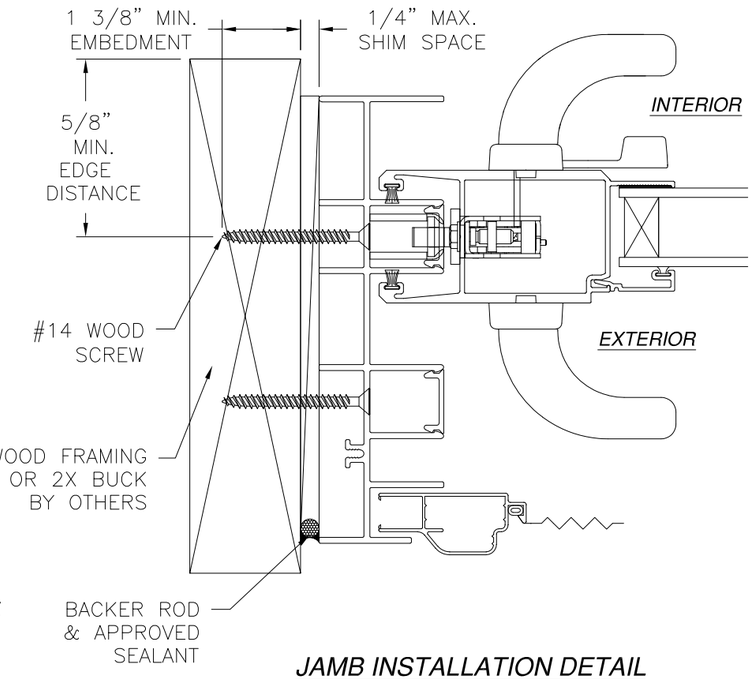
2. *PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112*



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

SIGNED: 05/17/2018

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650 WEST MARKET STREET
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SERIES 120 ALUMINUM SLIDING
GLASS DOOR – NON–IMPACT
2 TRACK FINLESS INSTALLATION DETAILS

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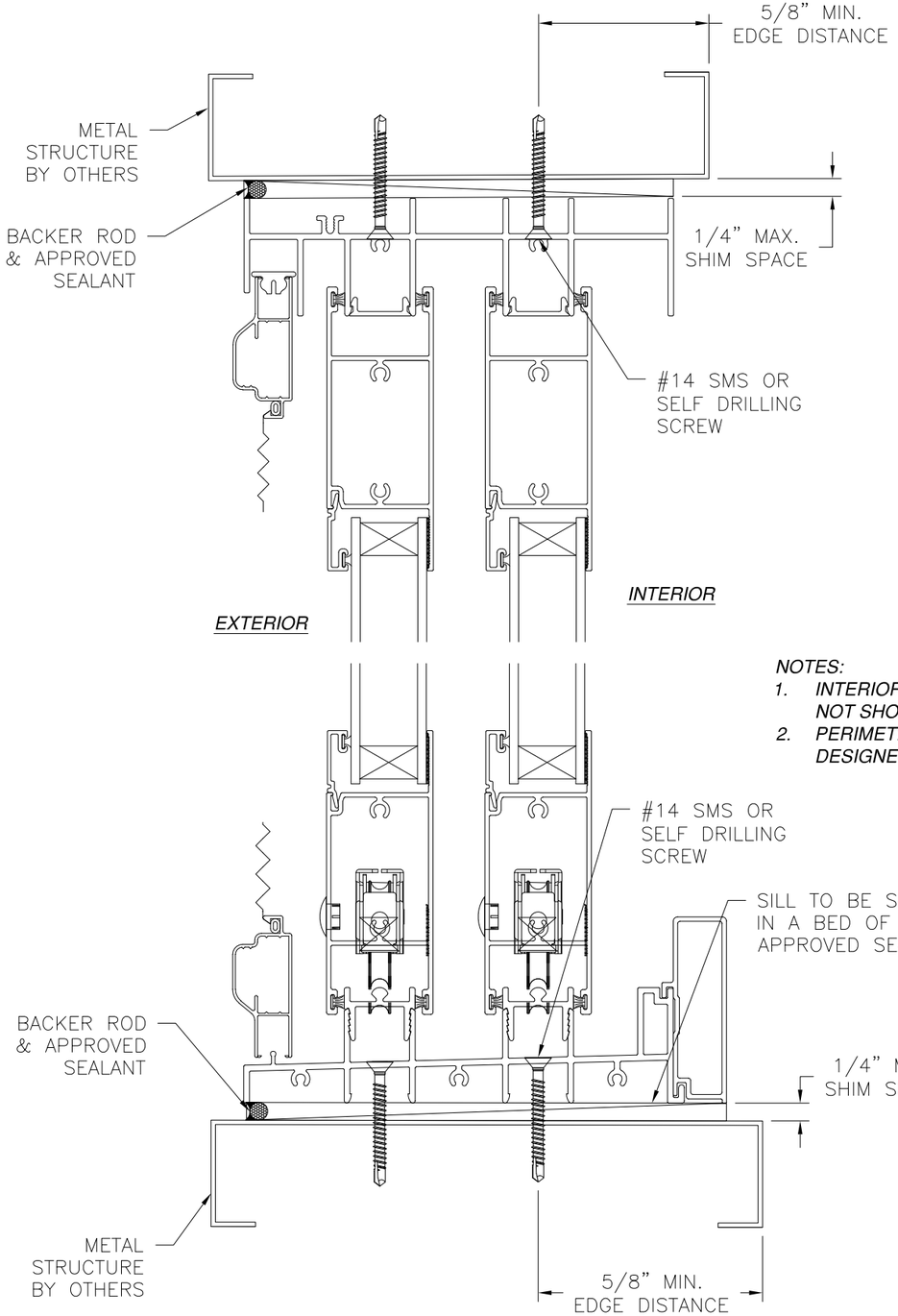

VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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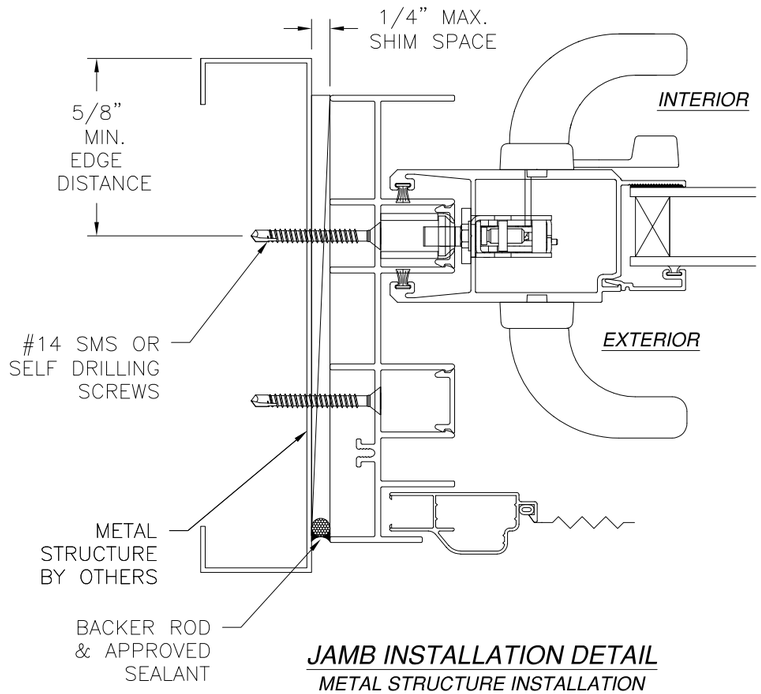

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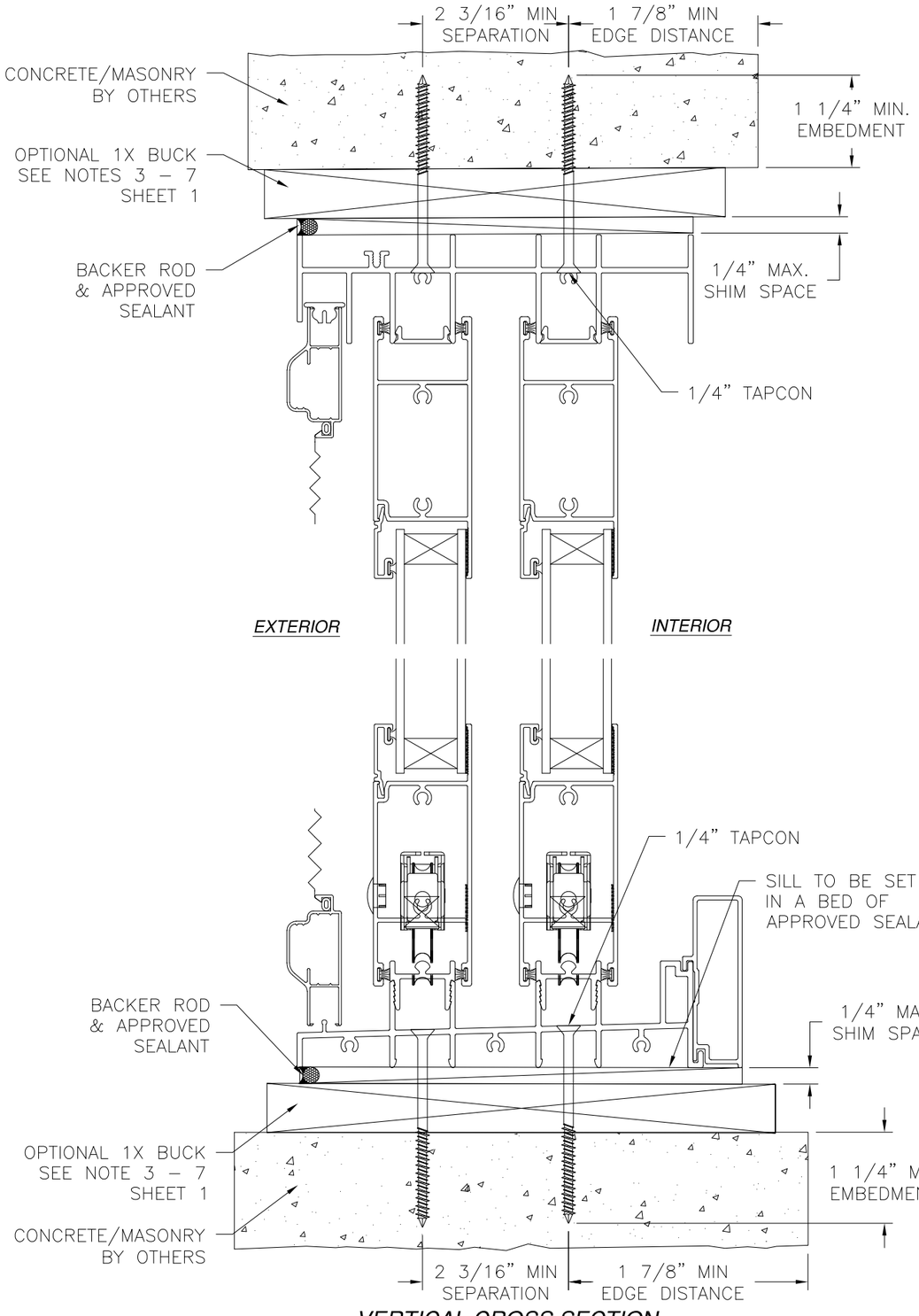
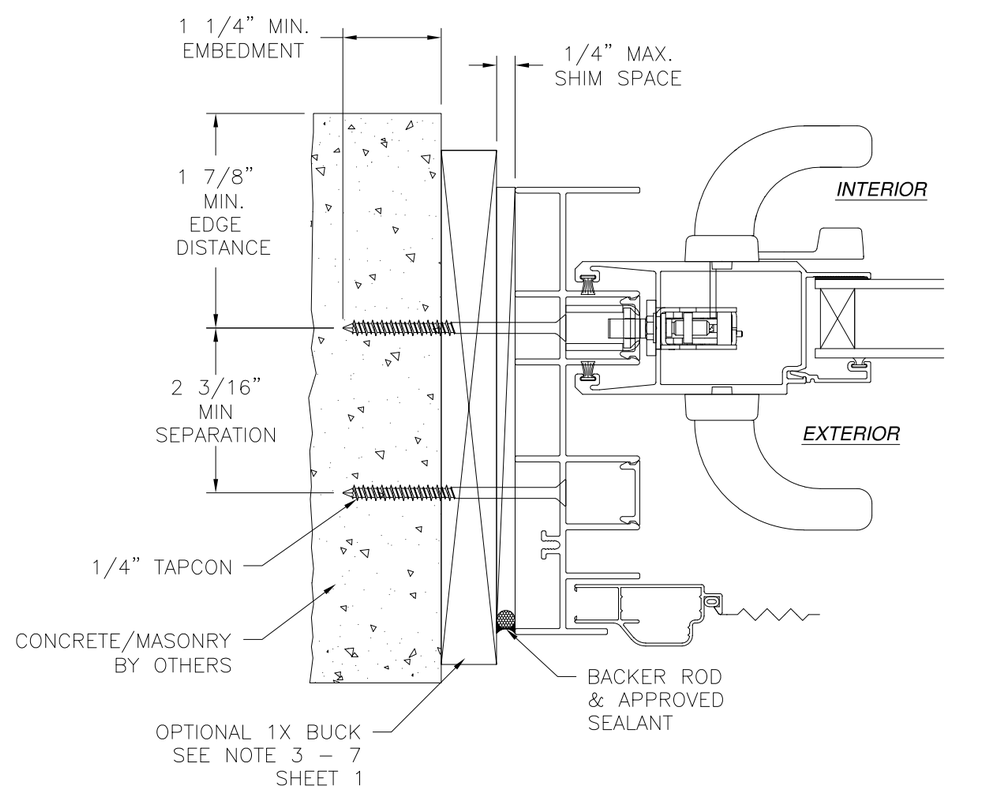


VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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SERIES 120 ALUMINUM SLIDING
GLASS DOOR – NON–IMPACT
2 TRACK FINLESS INSTALLATION DETAILS

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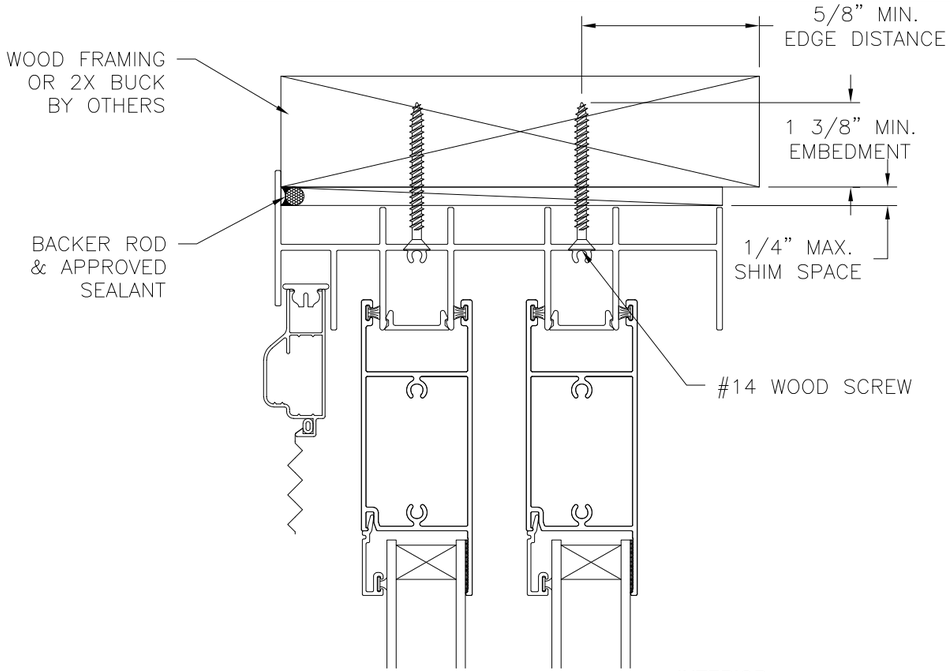

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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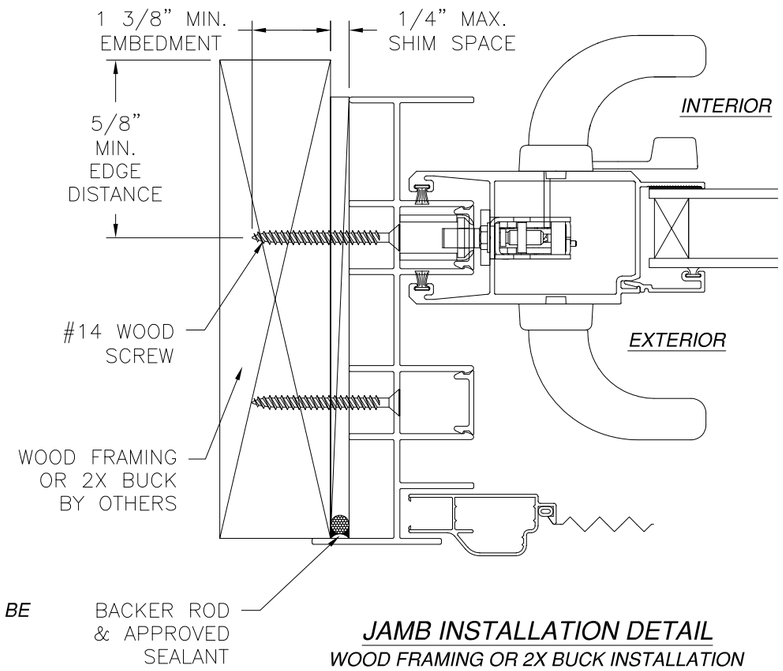

JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

SIGNED: 05/17/2018

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

SERIES 120 ALUMINUM SLIDING
GLASS DOOR – NON–IMPACT
2 TRACK FLANGE INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
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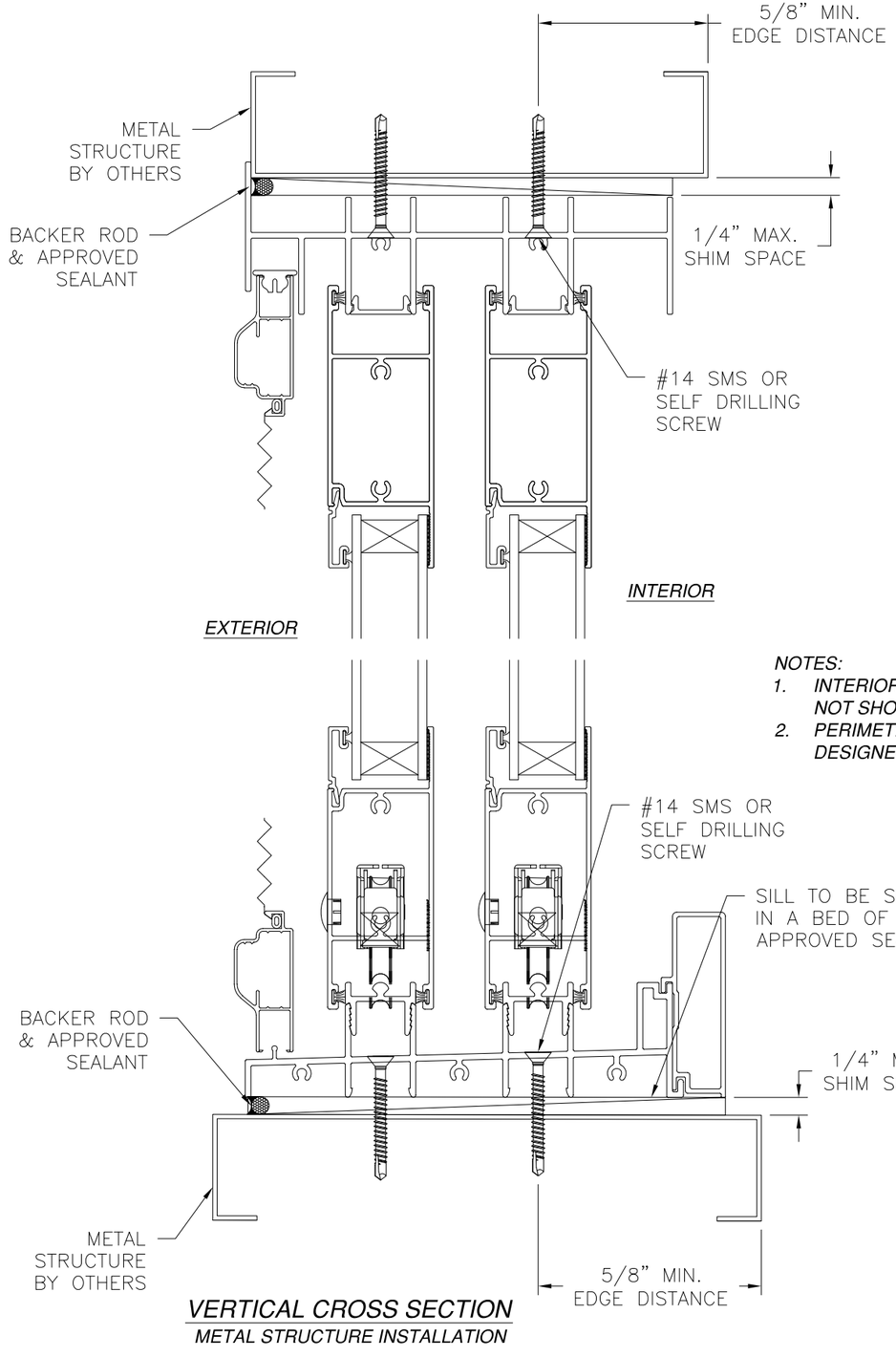

VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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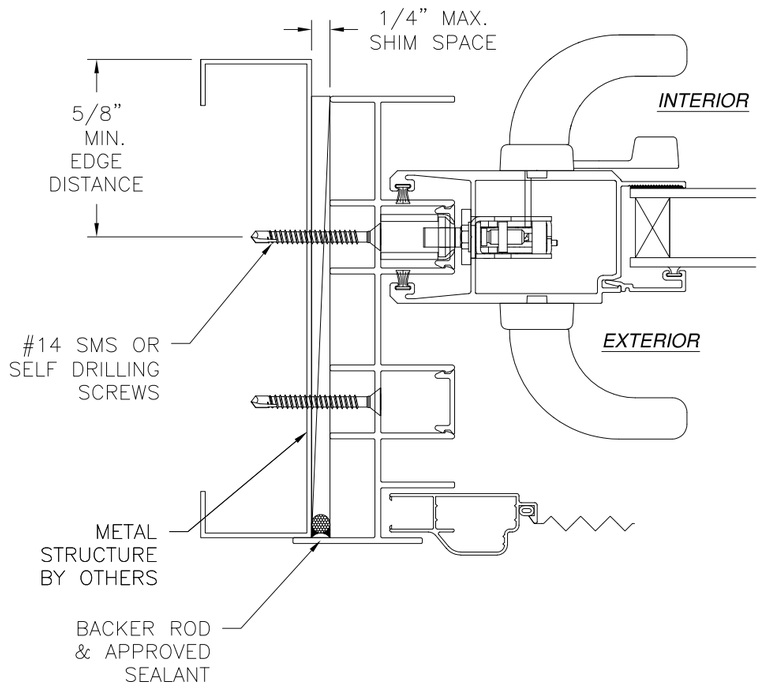

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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2 TRACK FLANGE INSTALLATION DETAILS

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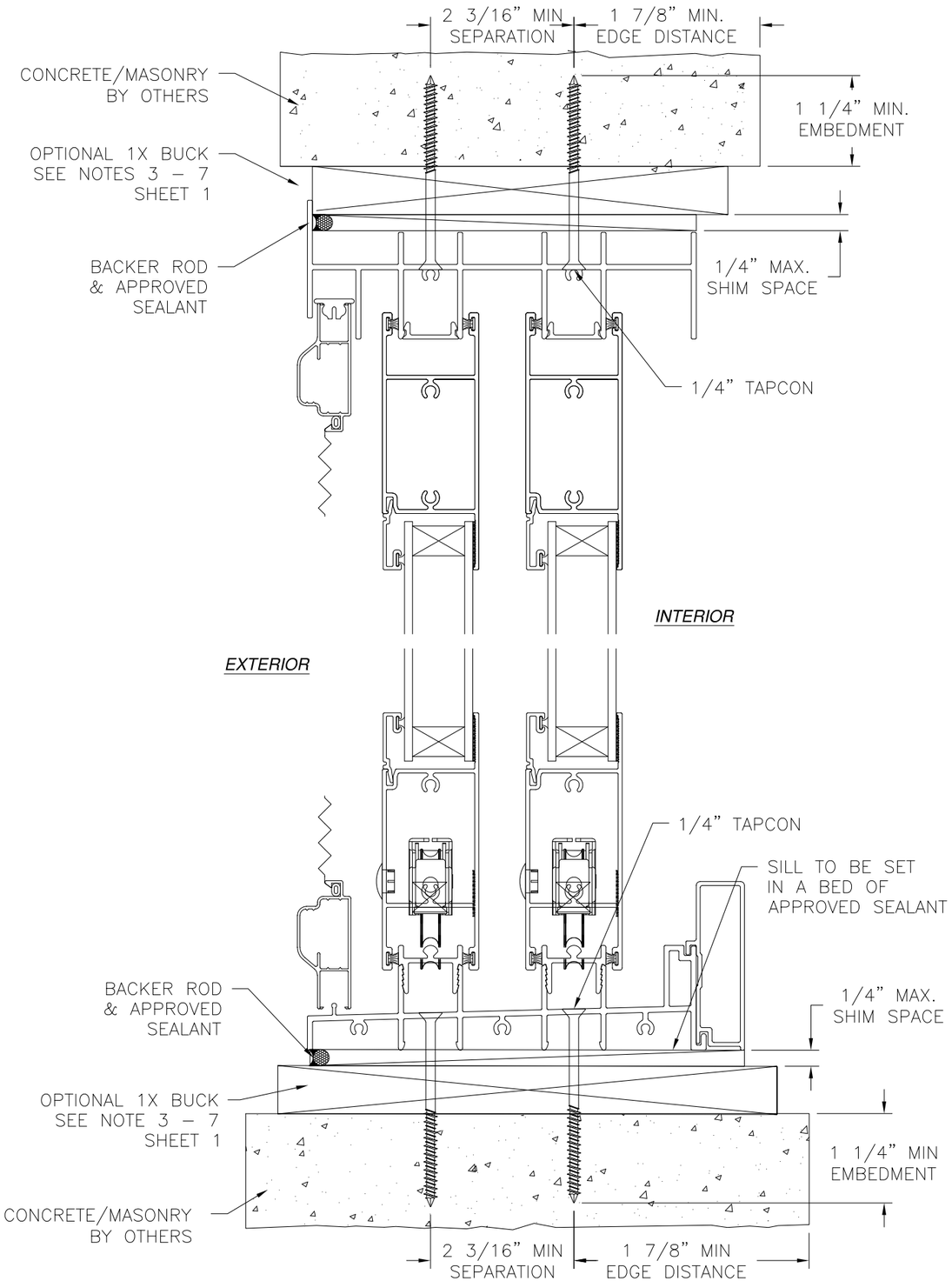
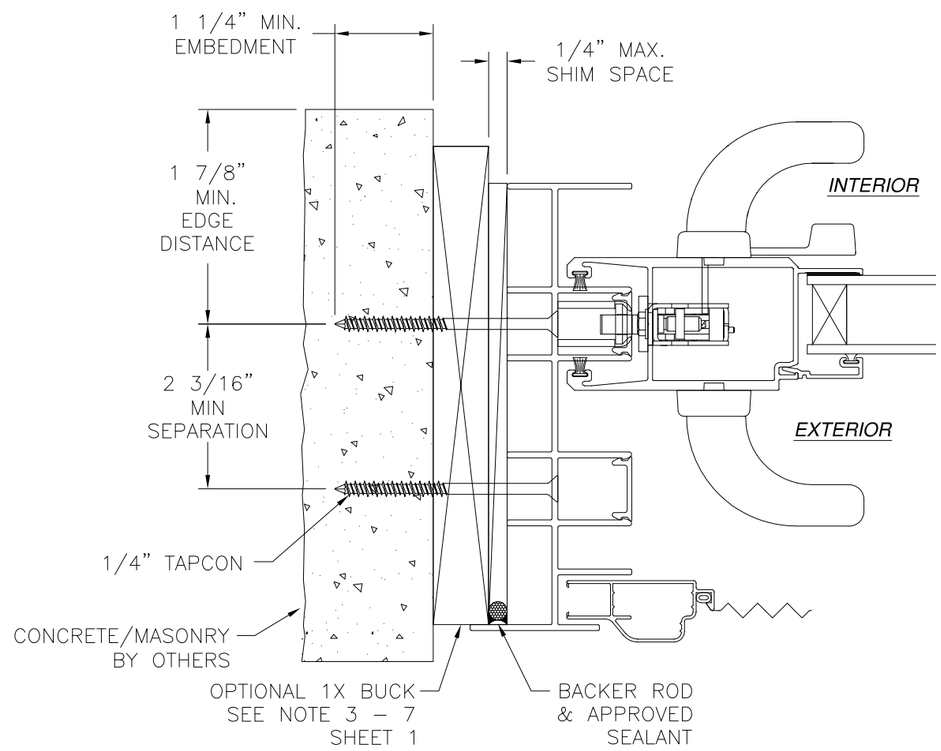


VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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2 TRACK FLANGE INSTALLATION DETAILS

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