

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 AND METAL 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. 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 3/8”.
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 ALUMINUM 6063–T5.
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 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.

14. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4” 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.
15. FOR ANCHORING 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.
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:

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 1/8” THICK MINIMUM WITH WOOD BACKING

SIGNED: 04/05/2022

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C.R. LAURENCE CO., INC.

2503 E. VERNON AVE.

LOS ANGELES, CA 90058

PALISADES S100 SLIDING GLASS DOOR OXXO
NON-IMPACT
NOTES

DRAWN:

A.R.

DWG NO.

08-03809

REV

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SCALE

NTS

DATE

02/15/2022

SHEET

1

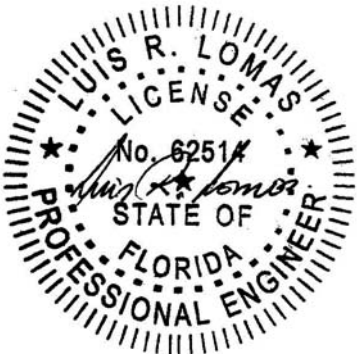
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L. ROBERTO LOMAS P.E.

400 S. PALM AVE, INDIALANTIC, FL 32903

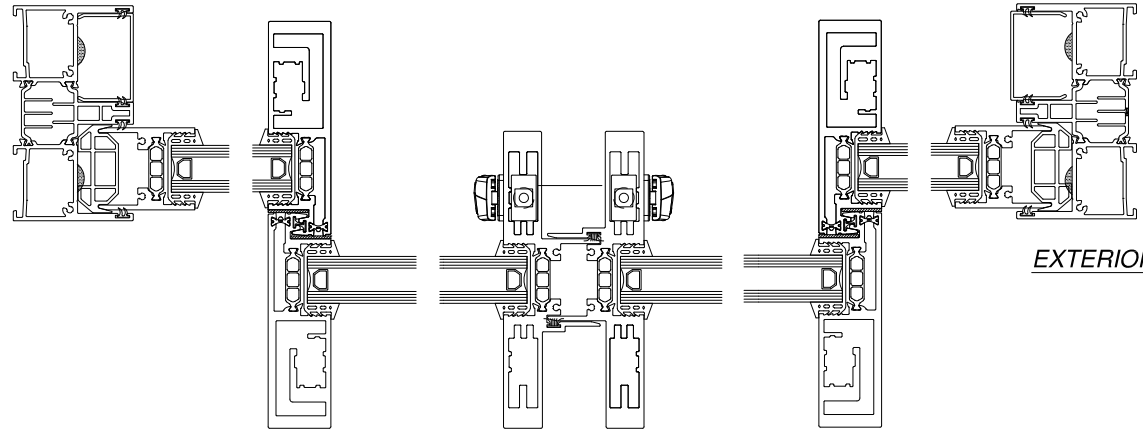
434-688-0609 rllomas@lrlomaspe.com



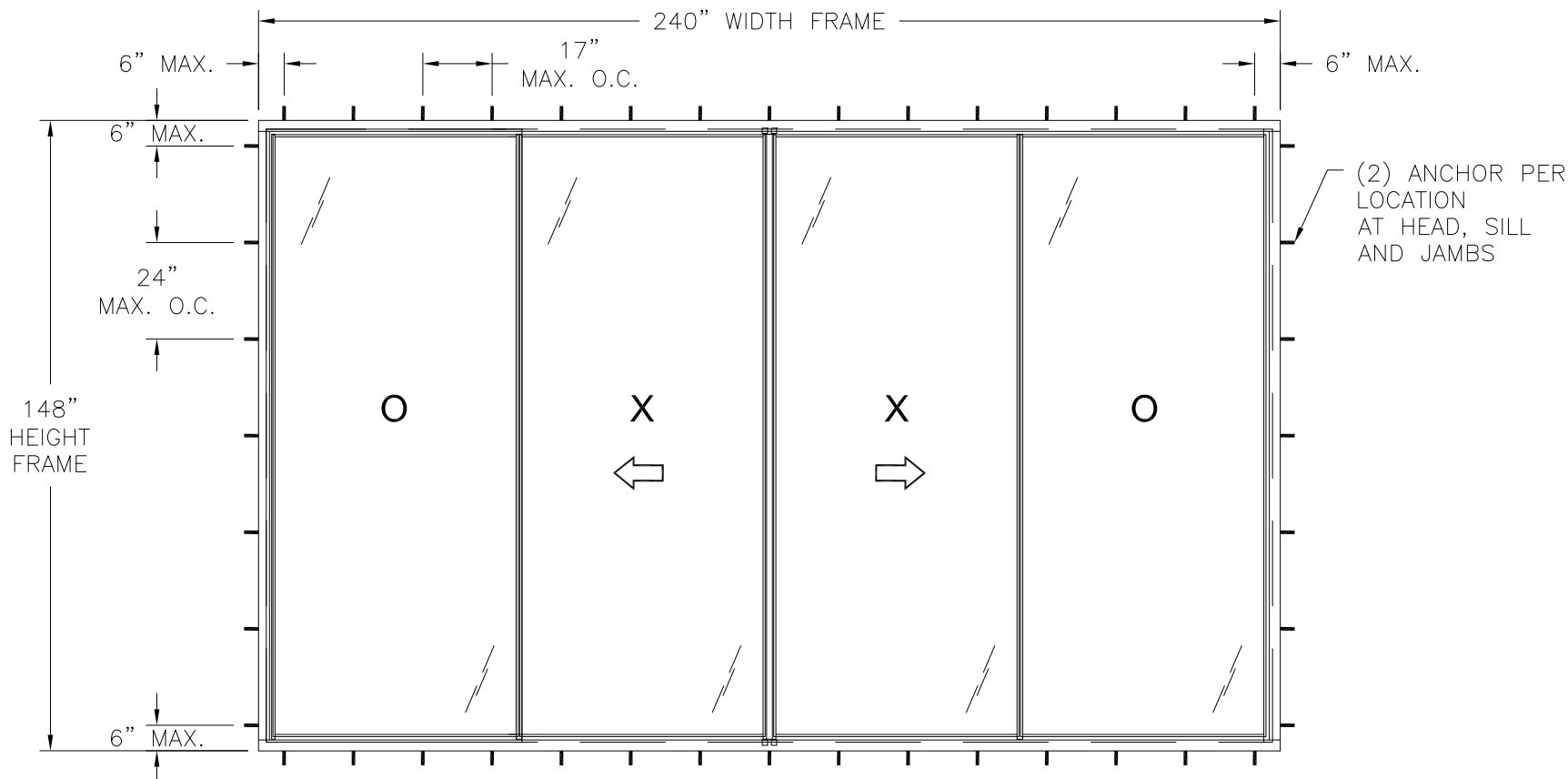
Luis R. Lomas P.E.

FL No.: 62514

INTERIOR



EXTERIOR



PALISADES S100 SLIDING GLASS DOOR OXXO

EXTERIOR VIEW

UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED
AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 53.76 FT²

NOTES:

- PANEL SIZE: 58 13/16" X 143 7/8"
- D.L.O. SIZE: 56 19/64" X 139 31/32"

DESIGN PRESSURE RATING	IMPACT RATING
±30.0PSF	NONE

HARDWARE SCHEDULE

A.	(2) INTERLOCK COVER (S100COVER1NTLB/S100RHB) AT TOP OF LOCK STILE
B.	(2) INTERLOCK COVER (S100COVER1NTLA/S100RHA) AT BOTTOM OF LOCK STILE
C.	(4) FLUSH CATCH RECEIVER AT INTERIOR FACE OF HEAD AND SILL
D.	(4) CATCH BOLT, 1/4"-20 THREADED ROD CAPPED W/CATCH BOLT INSERTED INTO EACH INTERLOCK
E.	(4) CATCH BODY AT TOP AND BOTTOM OF LOCK STILE
F.	(2) CATCH HANDLE AT INTERIOR FACE OF LOCK STILE
G.	(4) BOTTOM ROLLER, INTO BOTTOM RAIL OF EACH ACTIVE PANEL ADJACENT TO EACH BOTTOM RAIL CORNER
H.	(2) STILE SHEAR CLIP AT FIXED PANEL TOP/BOTTOM AT MEETING STILES

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Chart #1
Maximum Design pressure (psf)

Panel Height (in)	Single Panel Width (in)													
	24.00		30.00		36.00		42.00		48.00		58.81		66.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0
84.00	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0
90.00	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0
96.00	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0
102.00	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	44.3
108.00	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	43.7	40.0	40.8
114.00	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	40.6	37.8	37.8
120.00	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	43.8	37.9	37.9	35.2	35.2
126.00	40.0	45.0	40.0	45.0	40.0	45.0	40.0	45.0	40.0	41.3	35.6	35.6	32.9	32.9
132.00	40.0	45.0	40.0	45.0	40.0	45.0	40.0	43.3	39.0	39.0	33.5	33.5	-	-
138.00	40.0	45.0	40.0	45.0	40.0	45.0	40.0	41.1	36.9	36.9	31.6	31.6	-	-
143.88	40.0	45.0	40.0	45.0	40.0	44.6	39.1	39.1	35.1	35.1	30.0	30.0	-	-
150.00	40.0	45.0	40.0	45.0	40.0	41.4	35.7	35.7	31.6	31.6	-	-	-	-
156.00	40.0	45.0	40.0	43.7	36.7	36.7	31.7	31.7	28.0	28.0	-	-	-	-

WHERE WATER PENETRATION RESISTANCE IS REQUIRED

Chart #2
Maximum Design pressure (psf)

Panel Height (in)	Single Panel Width (in)													
	24.00		30.00		36.00		42.00		48.00		58.81		66.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
84.00	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
90.00	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
96.00	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
102.00	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	44.3	44.3
108.00	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	43.7	43.7	40.8	40.8
114.00	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	40.6	40.6	37.8	37.8
120.00	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	43.8	43.8	37.9	37.9	35.2	35.2
126.00	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	41.3	41.3	35.6	35.6	32.9	32.9
132.00	45.0	45.0	45.0	45.0	45.0	45.0	43.3	43.3	39.0	39.0	33.5	33.5	-	-
138.00	45.0	45.0	45.0	45.0	45.0	45.0	41.1	41.1	36.9	36.9	31.6	31.6	-	-
143.88	45.0	45.0	45.0	45.0	44.6	44.6	39.1	39.1	35.1	35.1	30.0	30.0	-	-
150.00	45.0	45.0	45.0	45.0	41.4	41.4	35.7	35.7	31.6	31.6	-	-	-	-
156.00	45.0	45.0	43.7	43.7	36.7	36.7	31.7	31.7	28.0	28.0	-	-	-	-

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED

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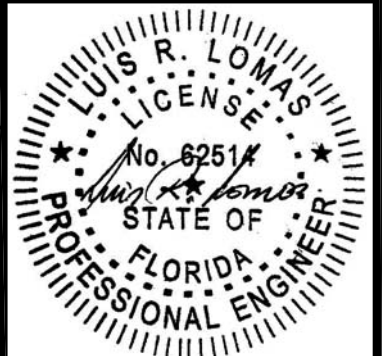
C.R. LAURENCE CO., INC.

2503 E. VERNON AVE.
LOS ANGELES, CA 90058

PALISADES S100 SLIDING GLASS DOOR OXXO
NON-IMPACT
ELEVATION AND DP CHART

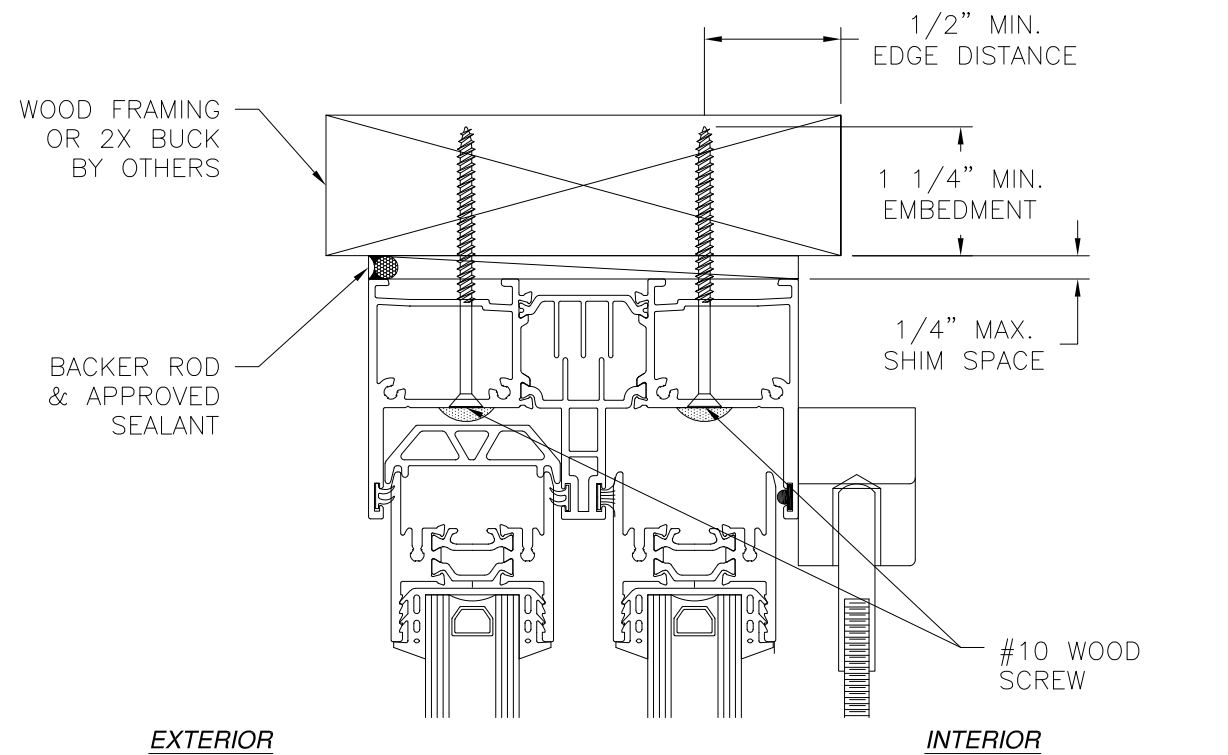
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A.R.	08-03809	-
SCALE NTS	DATE 02/15/2022	SHEET 2 OF 6

L. ROBERTO LOMAS P.E.
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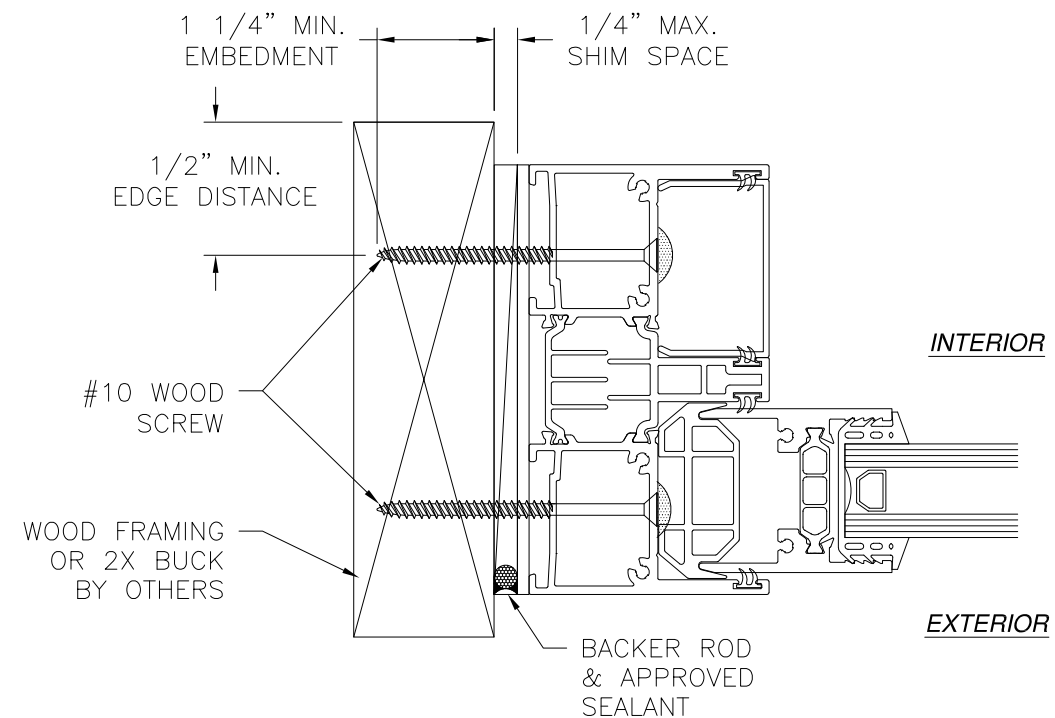


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



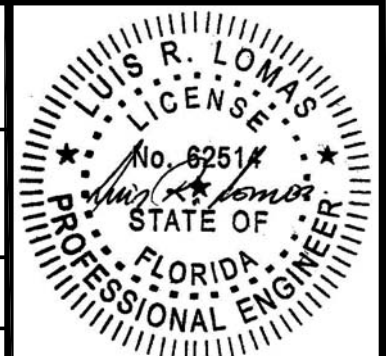
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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
3. WEEP HOLES IN SADDLE SILL ARE FIELD INSTALLED

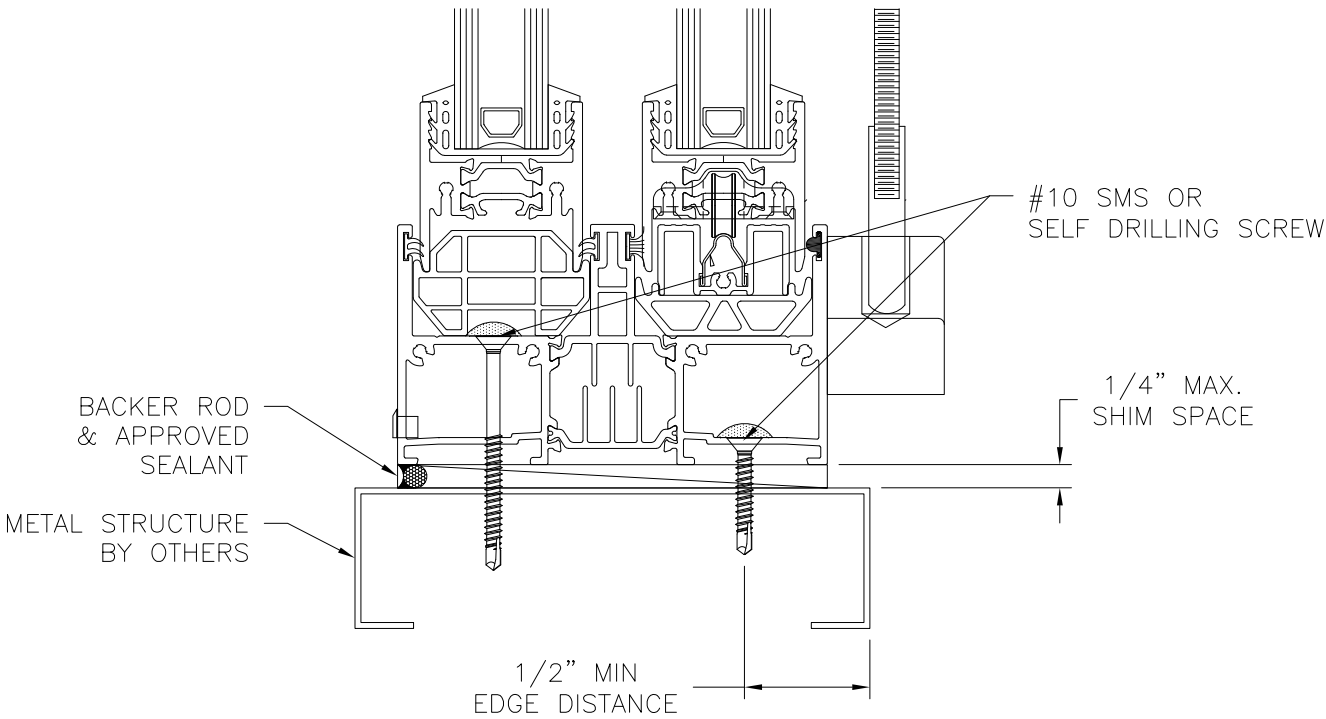
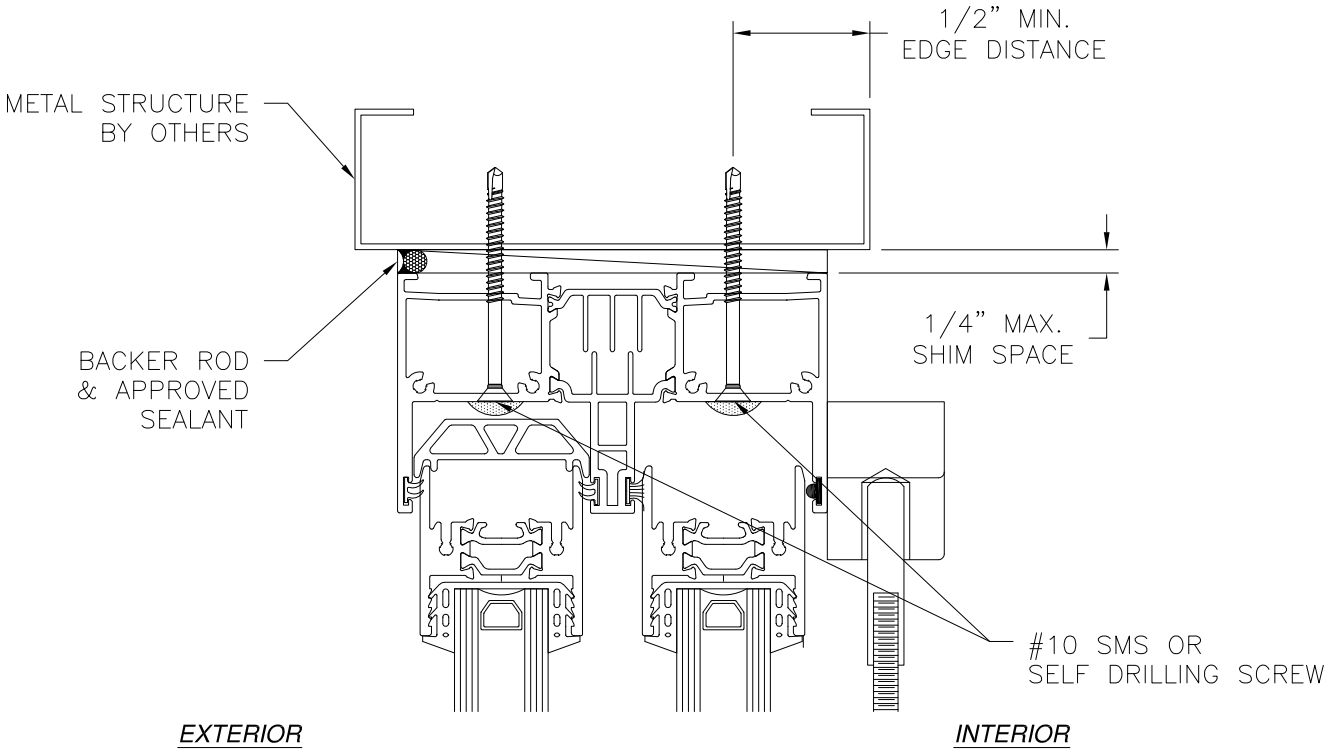
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C.R. LAURENCE CO., INC. 2503 E. VERNON AVE. LOS ANGELES, CA 90058		
PALISADES S100 SLIDING GLASS DOOR OXXO NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03809	REV -
SCALE NTS	DATE 02/15/2022	SHEET 3 OF 6
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

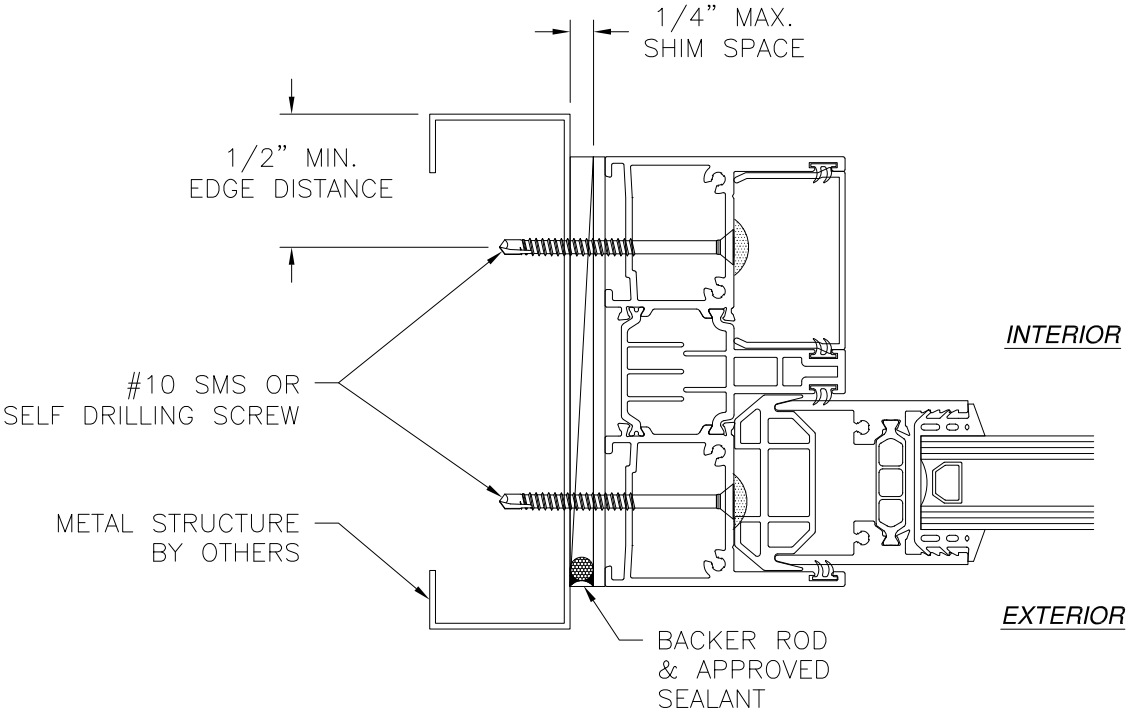


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:**
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
 3. WEEP HOLES IN SADDLE SILL ARE FIELD INSTALLED

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LOS ANGELES, CA 90058

PALISADES S100 SLIDING GLASS DOOR OXXO
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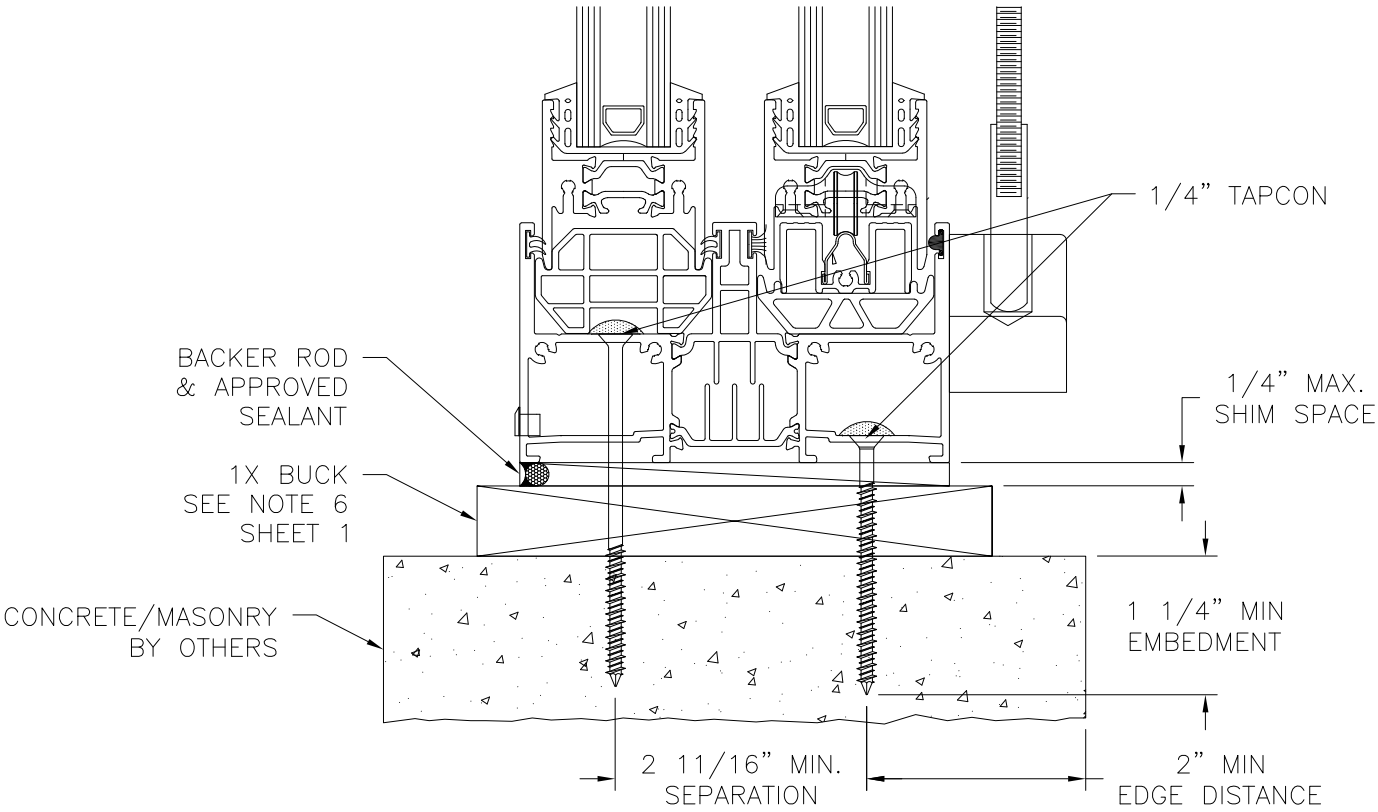
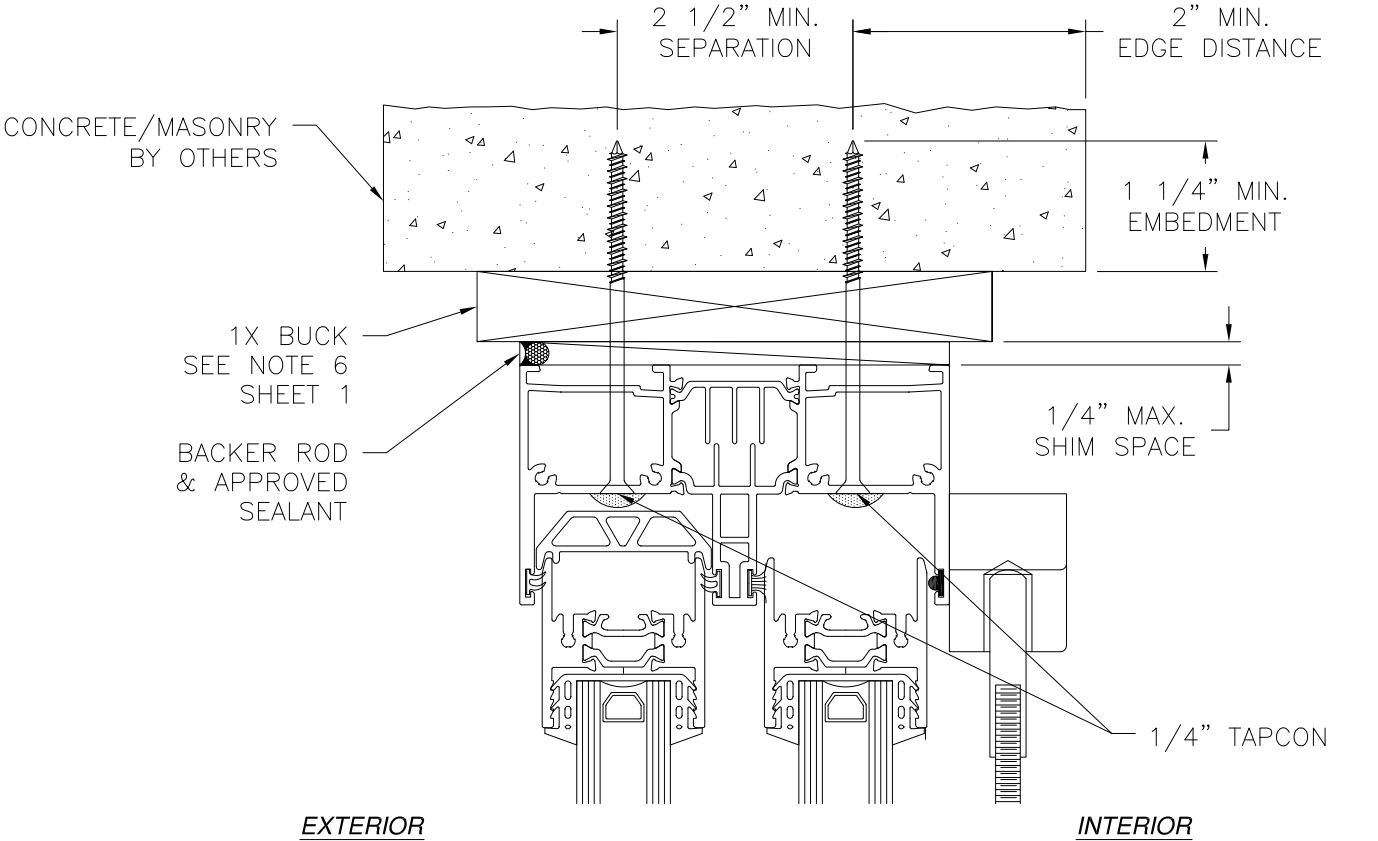
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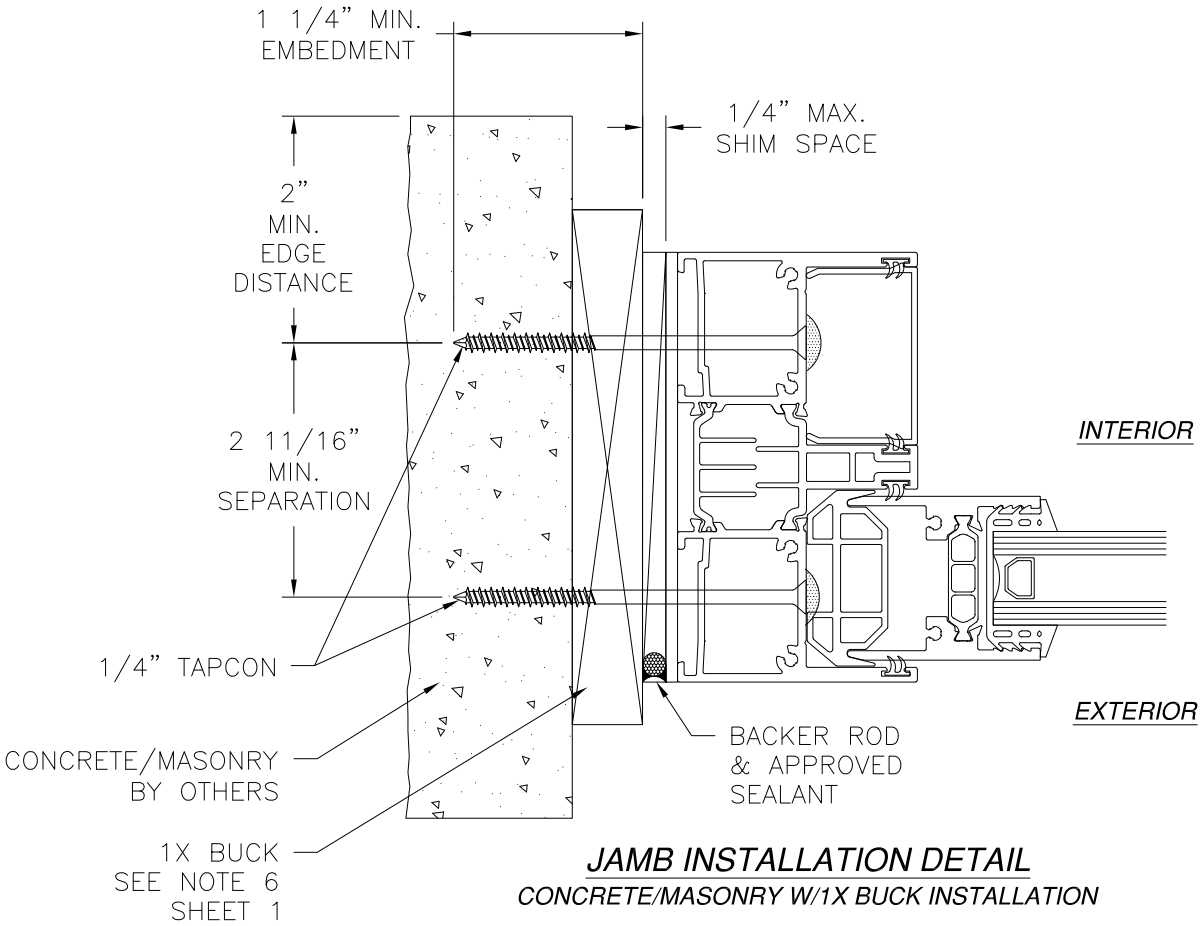


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VERTICAL CROSS SECTION
CONCRETE/MASONRY W/1X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY W/1X 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
 3. WEEP HOLES IN SADDLE SILL ARE FIELD INSTALLED

SIGNED: 04/05/2022

C.R. LAURENCE CO., INC.

2503 E. VERNON AVE.
LOS ANGELES, CA 90058

PALISADES S100 SLIDING GLASS DOOR OXXO
NON-IMPACT
INSTALLATION DETAILS

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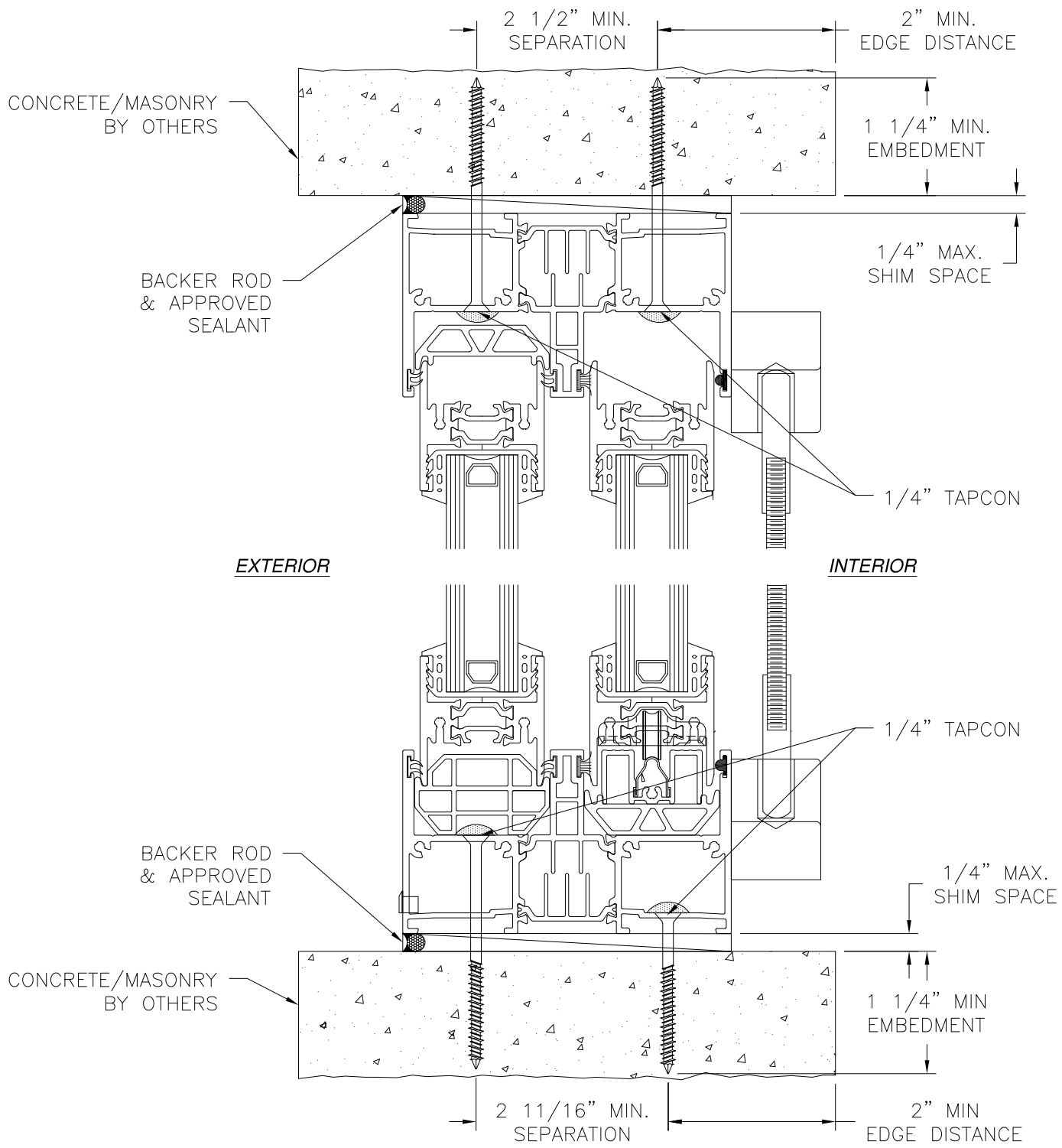
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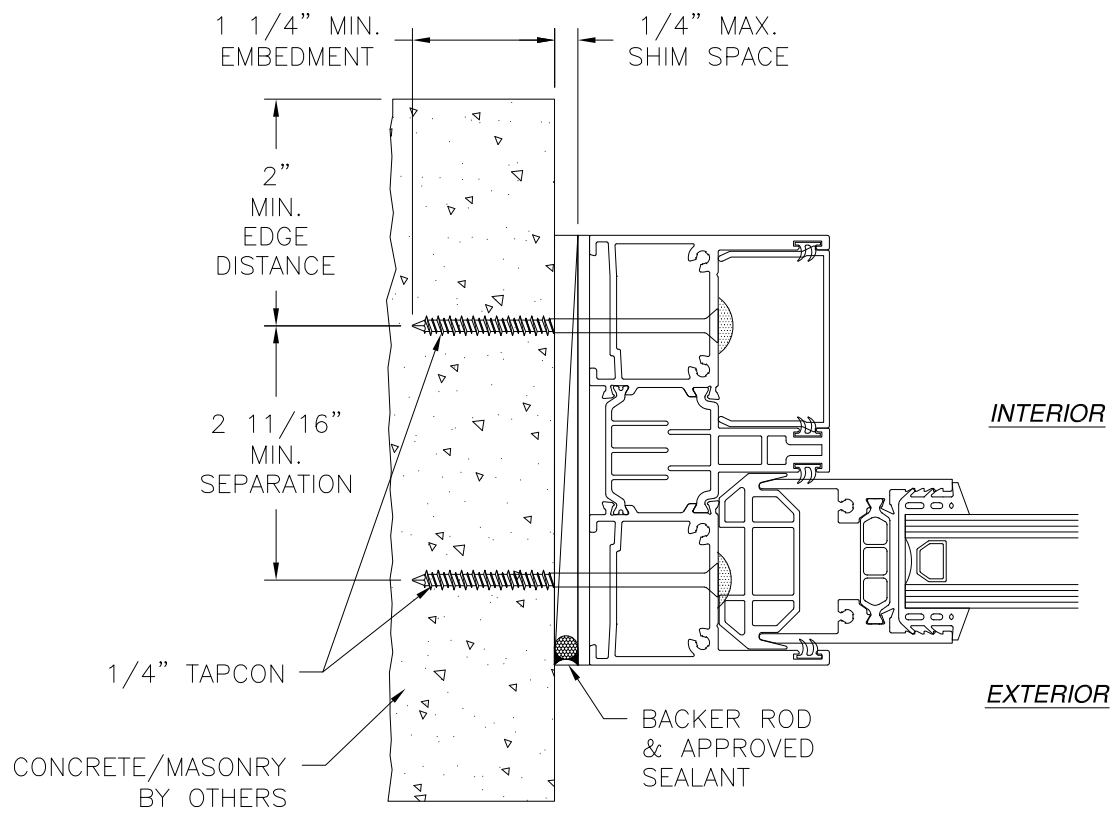


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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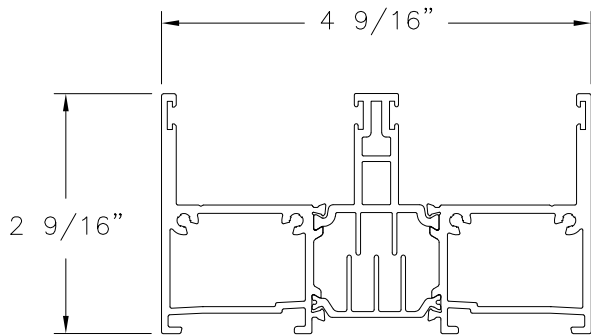
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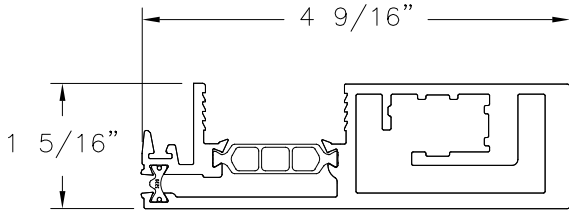


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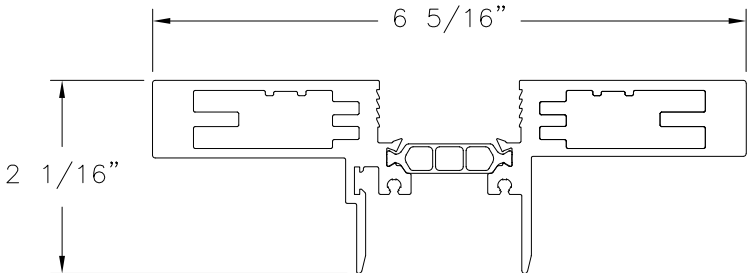
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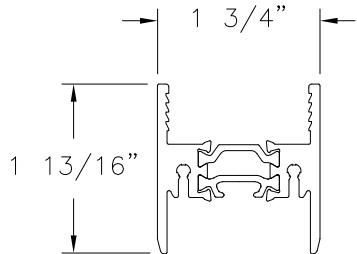
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ALUMINUM 6063-T5



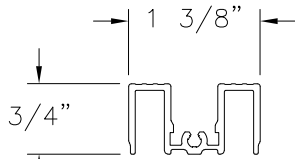
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ALUMINUM 6063-T5



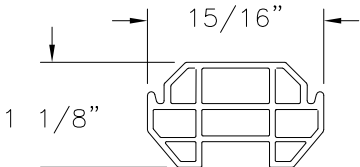
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ALUMINUM 6063-T5



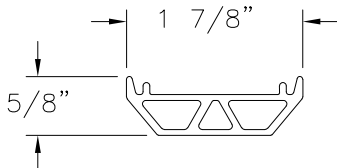
TOP RAIL / FIXED BOTTOM RAIL (S100RA1L)
ALUMINUM 6063-T5



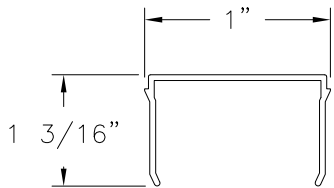
SILL TRACK GUIDE (S100GU1DE)
ALUMINUM 6063-T5



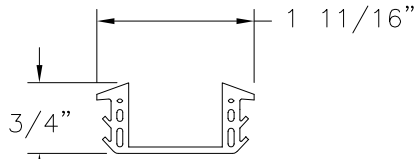
LARGE SPACER (S100SPACERL)
PVC



SMALL SPACER (S100SPACERS)
PVC



RAISED DOUBLE TRACK (S100DAMR2)
ALUMINUM 6063-T5



GLAZING GASKET (S100GD)
ALUMINUM 6063-T5

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PALISADES S100 SLIDING GLASS DOOR OXXO
NON-IMPACT
COMPONENTS

DRAWN: A.R.

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SCALE NTS

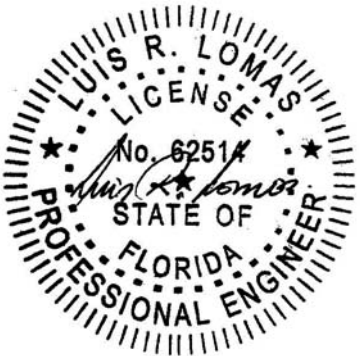
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SHEET 7 OF 6

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