

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

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION AND DP CHART
3 – 6	INSTALLATION DETAILS
7	COMPONENTS

C.R. LAURENCE CO., INC.

2503 E. VERNON AVE.
LOS ANGELES, CA 90058

PALISADES S100 SLIDING GLASS DOOR XO
NON-IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03810

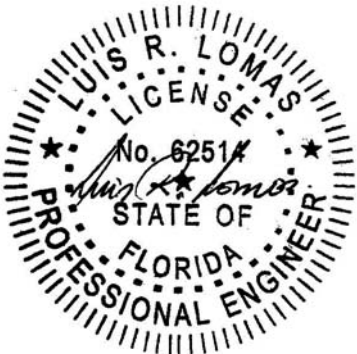
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DATE 02/15/2022

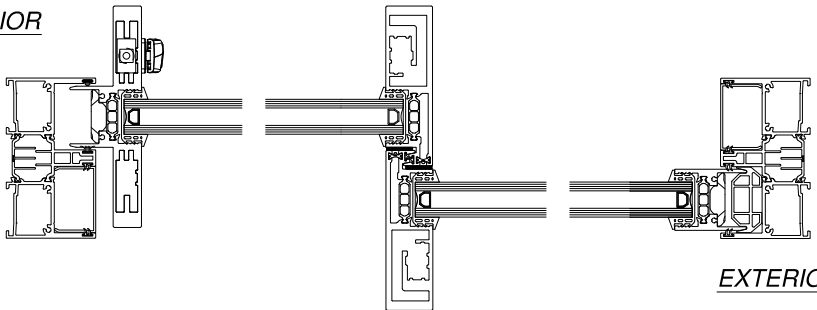
SHEET 1 OF 7

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434-688-0609 rllomas@lrlomaspe.com

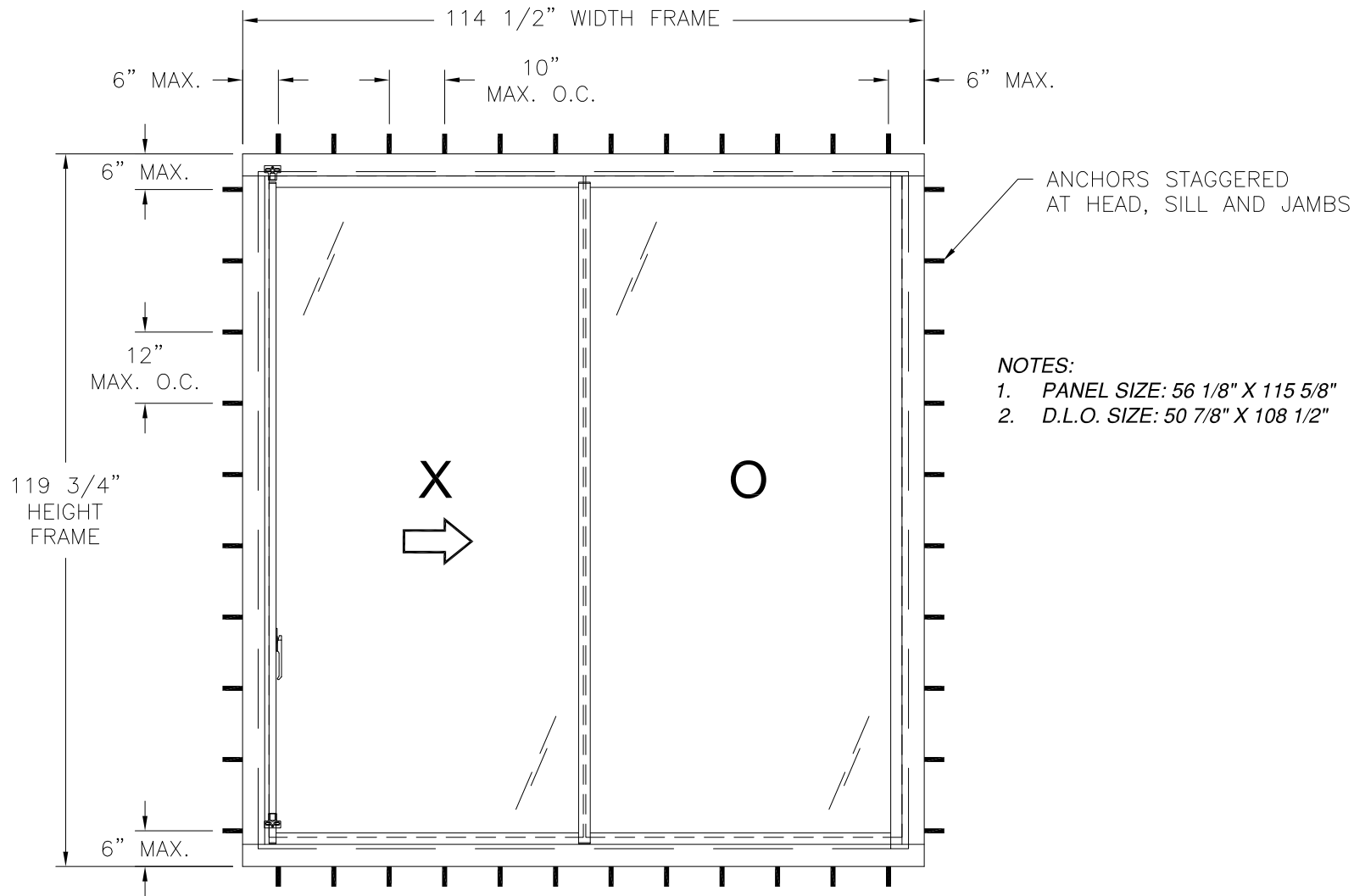


Luis R. Lomas P.E.
FL No.: 62514

INTERIOR



EXTERIOR



PALISADES S100 SLIDING GLASS DOOR XO

EXTERIOR VIEW

APPROVED CONFIGURATIONS: OX, XO. 56 1/8" X 115 5/8" PANEL SHOWN OTHER PANEL SIZES ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 45.06 FT²

DESIGN PRESSURE RATING	IMPACT RATING
±40.0PSF	NONE

HARDWARE SCHEDULE

A.	(1) SHOOT BOLT SYSTEM AT ACTIVE LOCK STILE, 37 1/4" FROM BOTTOM OF STILE
B.	(1) PVC ANTI-LIFT, 5/8" HIGH BY 52 1/4" LONG INSERTED INTO HEAD ACTIVE CHANNEL ABOVE ACTIVE PANEL
C.	(4) TANDEM STEEL ROLLERS IN ACETAL PLASTIC (POM) HOUSING AT ACTIVE PANEL BOTTOM RAIL, 6" FROM EACH END AND 14 3/4" ON CENTER
D.	(2) ALUMINUM REINFORCEMENT (S100 INTERLOCK) AT FIXED AND ACTIVE INTERLOCK

REVISIONS

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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		56.13		66.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	40.0	60.0	40.0	60.0	40.0	60.0	40.0	60.0	40.0	60.0	40.0	60.0	40.0	60.0
84.00	40.0	60.0	40.0	60.0	40.0	60.0	40.0	60.0	40.0	60.0	40.0	60.0	40.0	58.4
90.00	40.0	60.0	40.0	60.0	40.0	60.0	40.0	60.0	40.0	60.0	40.0	56.5	40.0	52.3
96.00	40.0	60.0	40.0	60.0	40.0	60.0	40.0	60.0	40.0	56.9	40.0	51.6	40.0	47.3
102.00	40.0	60.0	40.0	60.0	40.0	60.0	40.0	57.8	40.0	52.5	40.0	47.4	-	-
108.00	40.0	60.0	40.0	60.0	40.0	60.0	40.0	53.8	40.0	48.8	40.0	43.8	-	-
114.00	40.0	60.0	40.0	60.0	40.0	56.9	40.0	50.3	40.0	45.5	40.0	40.8	-	-
115.63	40.0	60.0	40.0	60.0	40.0	55.9	40.0	49.5	40.0	44.7	40.0	40.0	-	-
120.00	40.0	60.0	40.0	60.0	40.0	52.5	40.0	45.6	40.0	40.5	-	-	-	-
126.00	40.0	60.0	40.0	53.7	40.0	45.2	39.2	39.2	34.8	34.8	-	-	-	-
132.00	40.0	57.8	40.0	46.6	39.2	39.2	34.0	34.0	30.1	30.1	-	-	-	-
138.00	40.0	50.6	40.0	40.7	34.2	34.2	29.6	29.6	-	-	-	-	-	-
144.00	40.0	44.5	35.8	35.8	30.1	30.1	26.0	26.0	-	-	-	-	-	-

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		56.13		66.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
84.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.4	58.4
90.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.5	56.5	52.3	52.3
96.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.9	56.9	51.6	51.6	47.3	47.3
102.00	60.0	60.0	60.0	60.0	60.0	60.0	57.8	57.8	52.5	52.5	47.4	47.4	-	-
108.00	60.0	60.0	60.0	60.0	60.0	60.0	53.8	53.8	48.8	48.8	43.8	43.8	-	-
114.00	60.0	60.0	60.0	60.0	56.9	56.9	50.3	50.3	45.5	45.5	40.8	40.8	-	-
115.63	60.0	60.0	60.0	60.0	55.9	55.9	49.5	49.5	44.7	44.7	40.0	40.0	-	-
120.00	60.0	60.0	60.0	60.0	52.5	52.5	45.6	45.6	40.5	40.5	-	-	-	-
126.00	60.0	60.0	53.7	53.7	45.2	45.2	39.2	39.2	34.8	34.8	-	-	-	-
132.00	57.8	57.8	46.6	46.6	39.2	39.2	34.0	34.0	30.1	30.1	-	-	-	-
138.00	50.6	50.6	40.7	40.7	34.2	34.2	29.6	29.6	-	-	-	-	-	-
144.00	44.5	44.5	35.8	35.8	30.1	30.1	26.0	26.0	-	-	-	-	-	-

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED

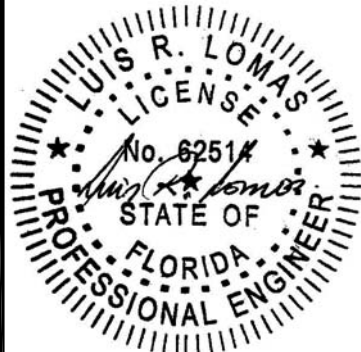
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C.R. LAURENCE CO., INC.

2503 E. VERNON AVE.
LOS ANGELES, CA 90058

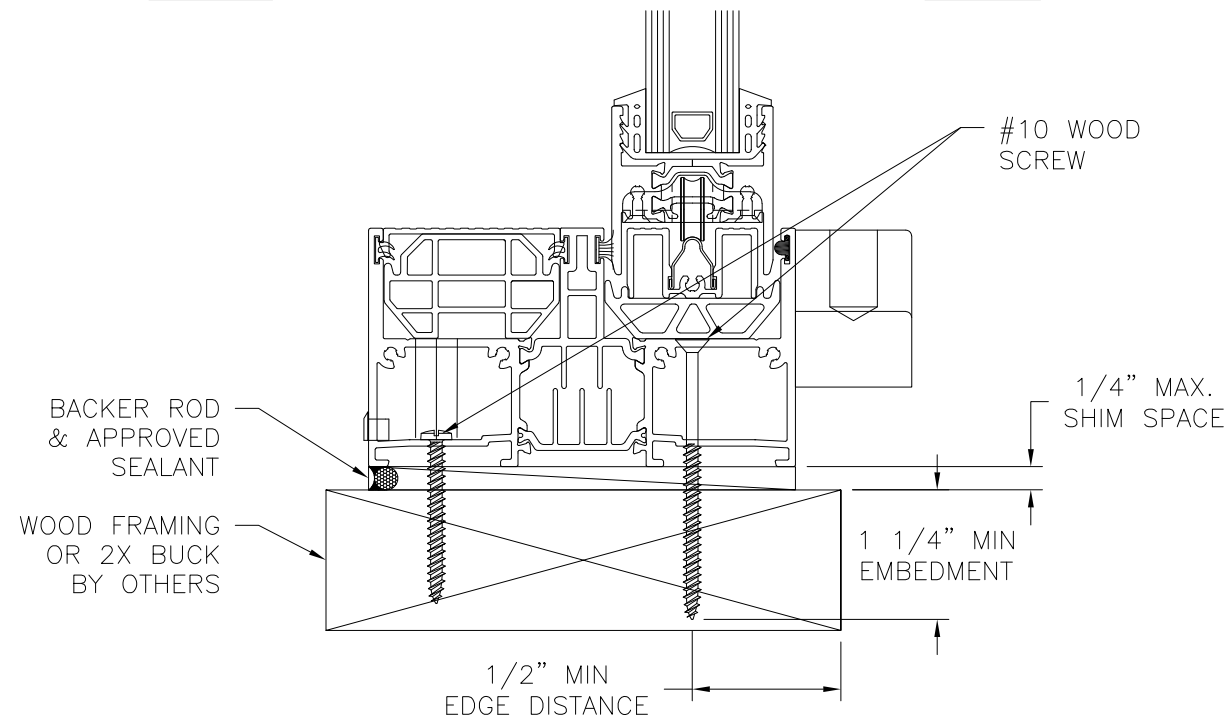
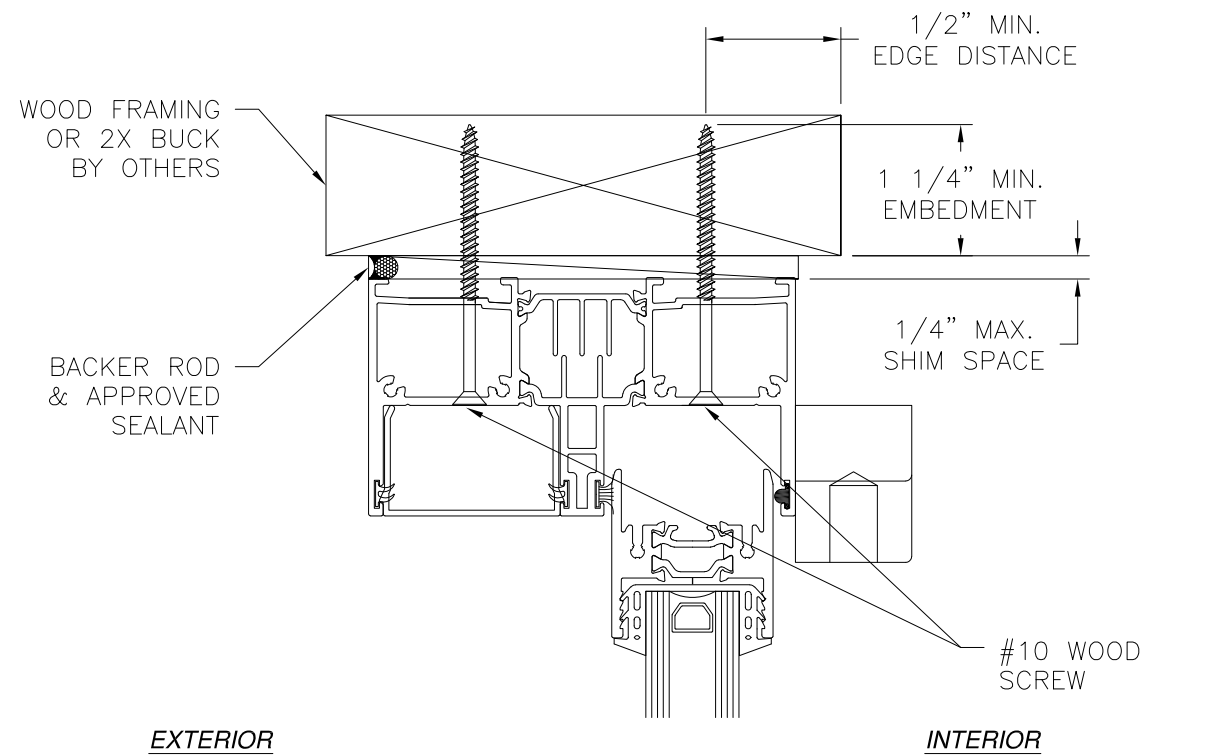
PALISADES S100 SLIDING GLASS DOOR XO
NON-IMPACT
ELEVATION AND DP CHART

DRAWN: A.R.	DWG NO. 08-03810	REV -
SCALE NTS	DATE 02/15/2022	SHEET 2 OF 7
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

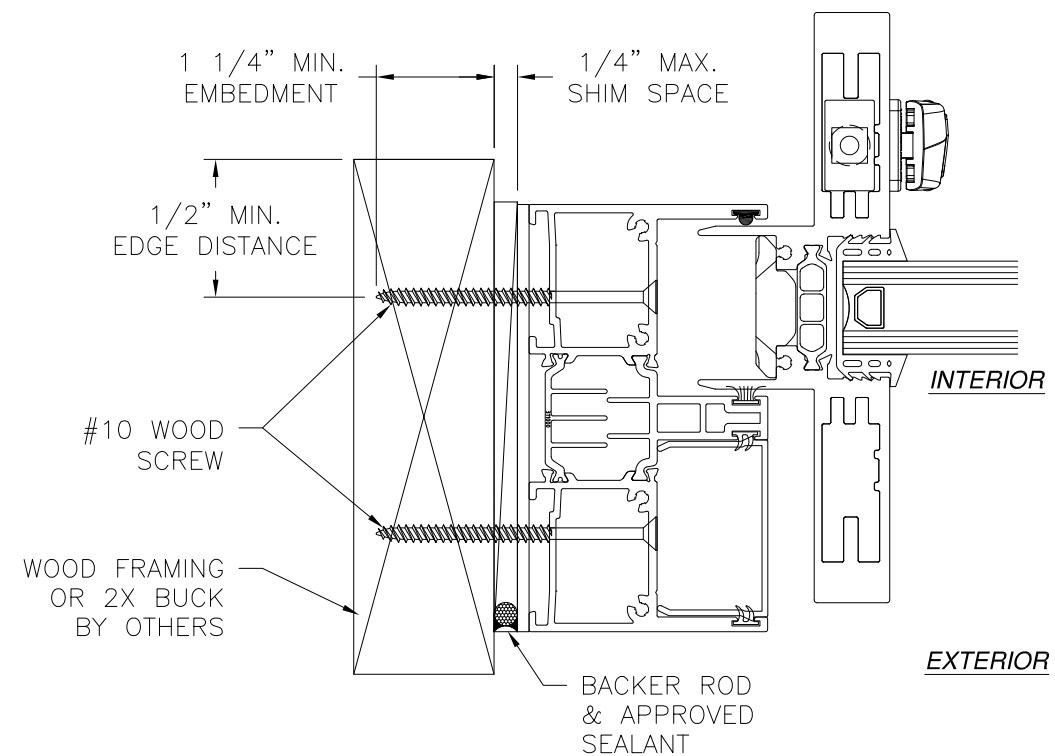


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FL No.: 62514

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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:

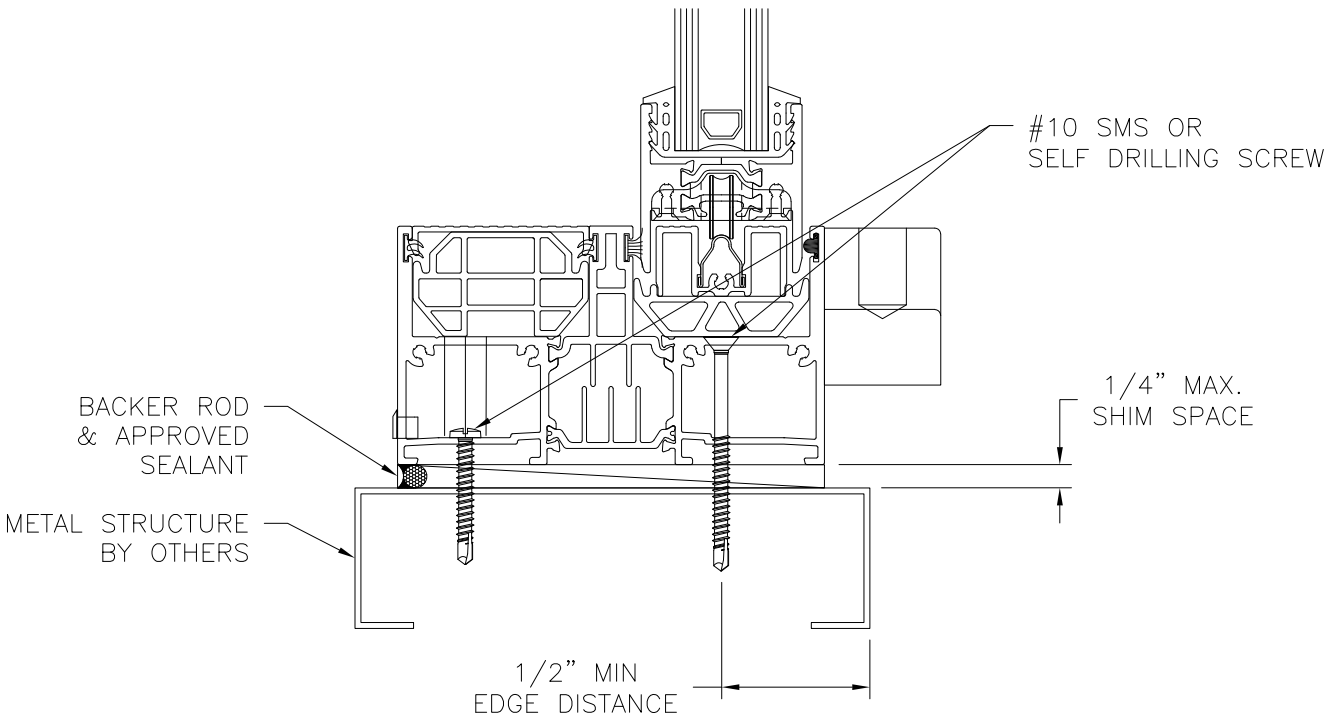
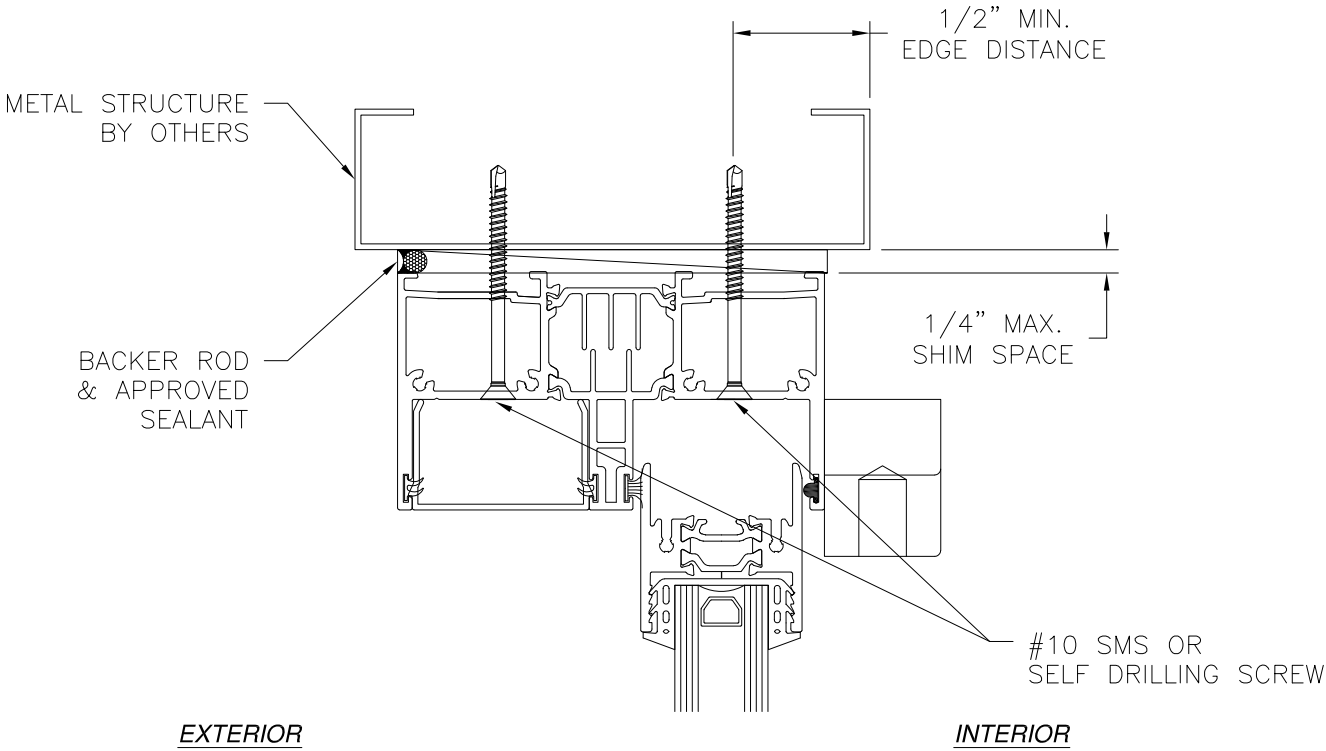
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112
3. WEEP HOLES IN SADDLE SILL ARE FIELD INSTALLED

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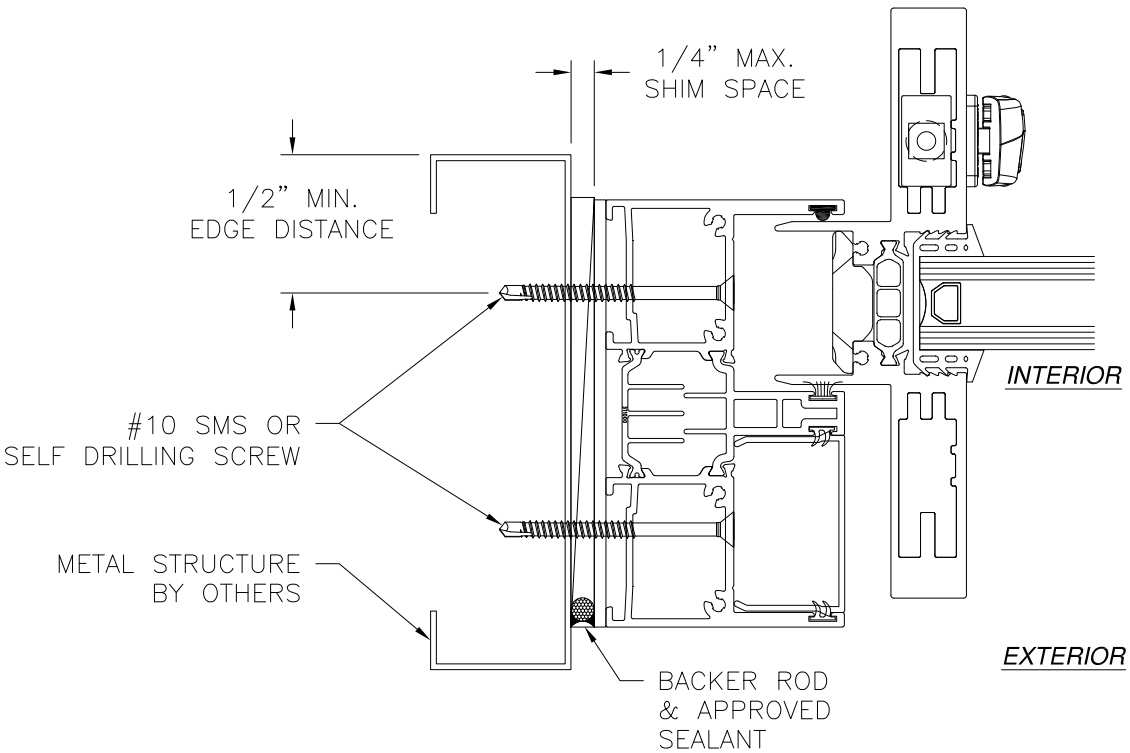
C.R. LAURENCE CO., INC. 2503 E. VERNON AVE. LOS ANGELES, CA 90058			
PALISADES S100 SLIDING GLASS DOOR XO NON-IMPACT INSTALLATION DETAILS			
DRAWN: A.R.	DWG NO. 08-03810	REV -	
SCALE NTS	DATE 02/15/2022	SHEET 3 OF 7	
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			

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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

SIGNED: 04/05/2022

C.R. LAURENCE CO., INC.

2503 E. VERNON AVE.
LOS ANGELES, CA 90058

PALISADES S100 SLIDING GLASS DOOR XO
NON-IMPACT
INSTALLATION DETAILS

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A.R.

DWG NO.

08-03810

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DATE

02/15/2022

SHEET

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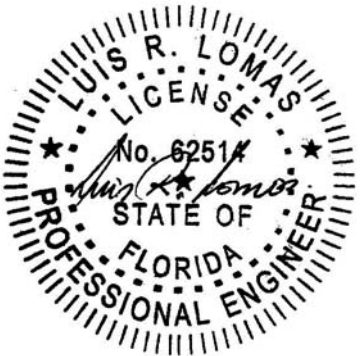
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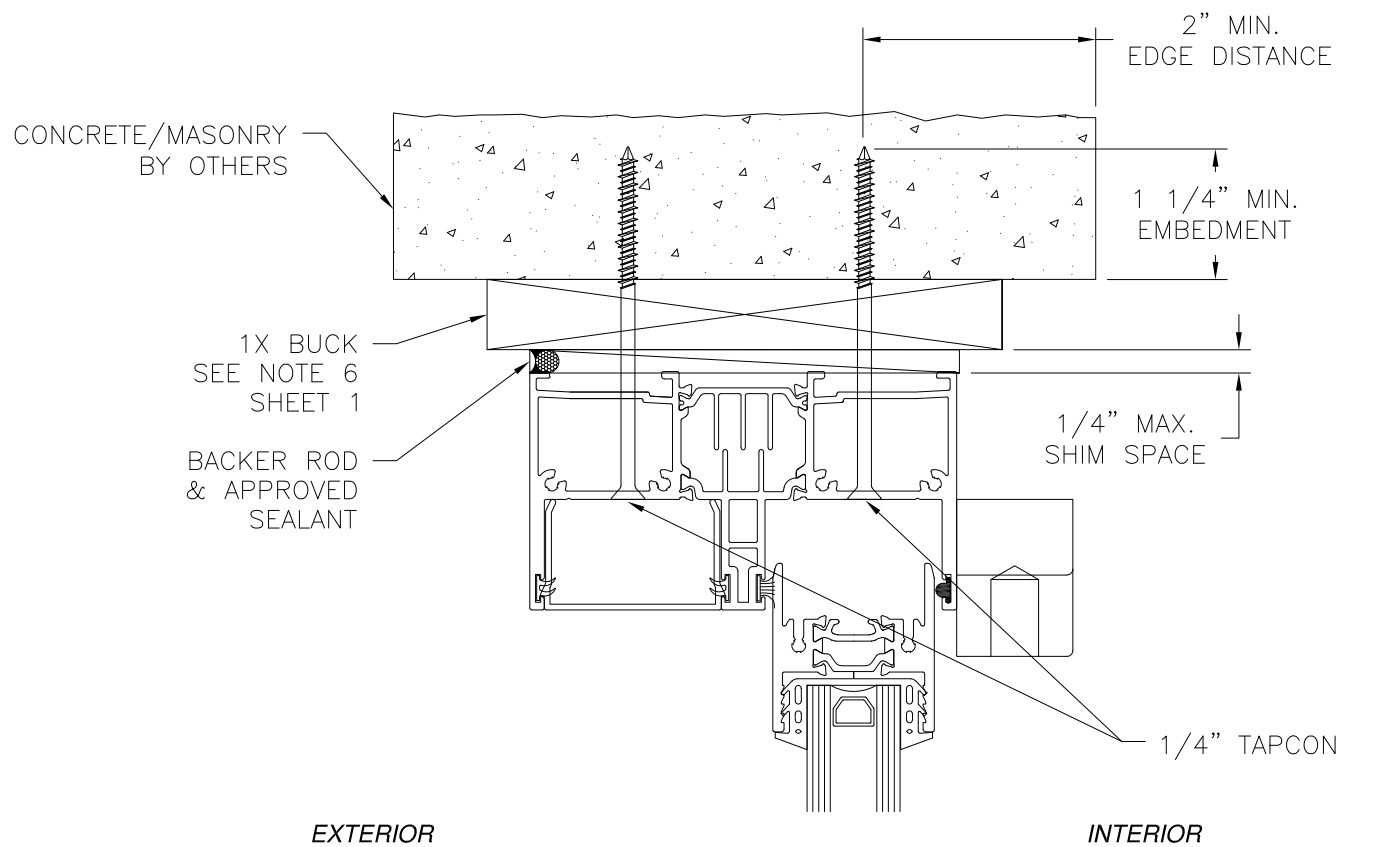
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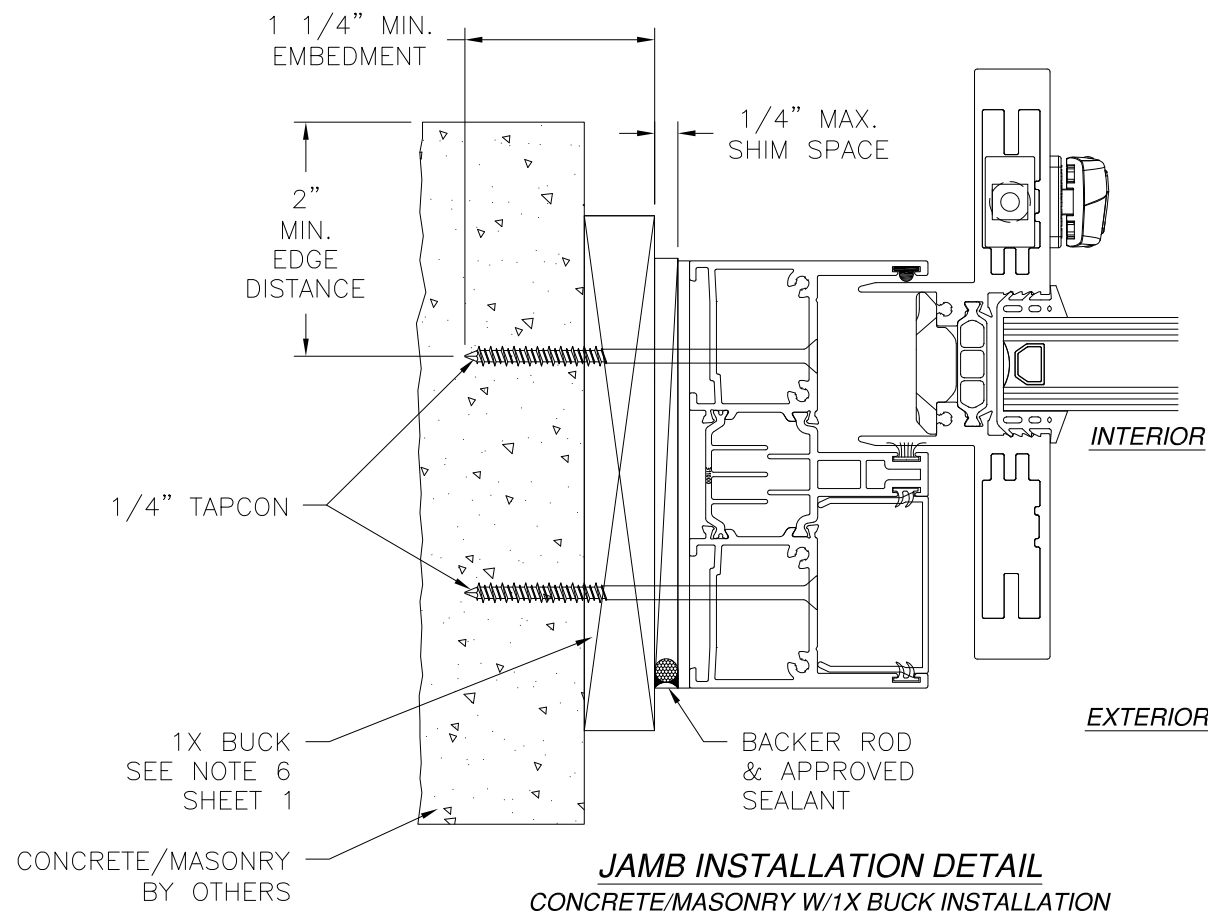
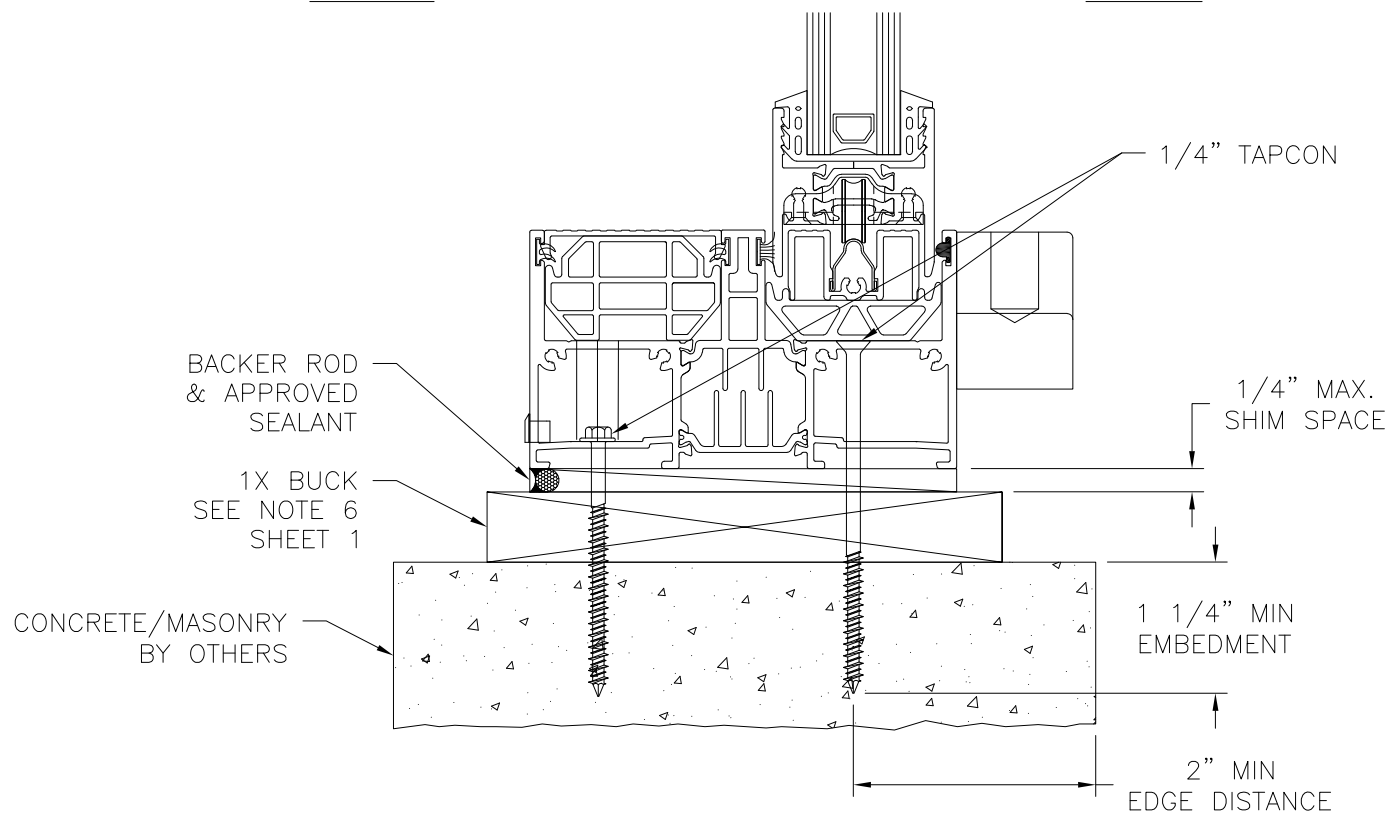
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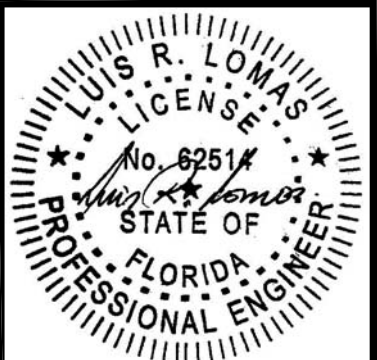
VERTICAL CROSS SECTION
CONCRETE/MASONRY W/1X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY W/1X BUCK INSTALLATION

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

C.R. LAURENCE CO., INC. 2503 E. VERNON AVE. LOS ANGELES, CA 90058		
PALISADES S100 SLIDING GLASS DOOR XO NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03810	REV -
SCALE NTS	DATE 02/15/2022	SHEET 5 OF 7
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

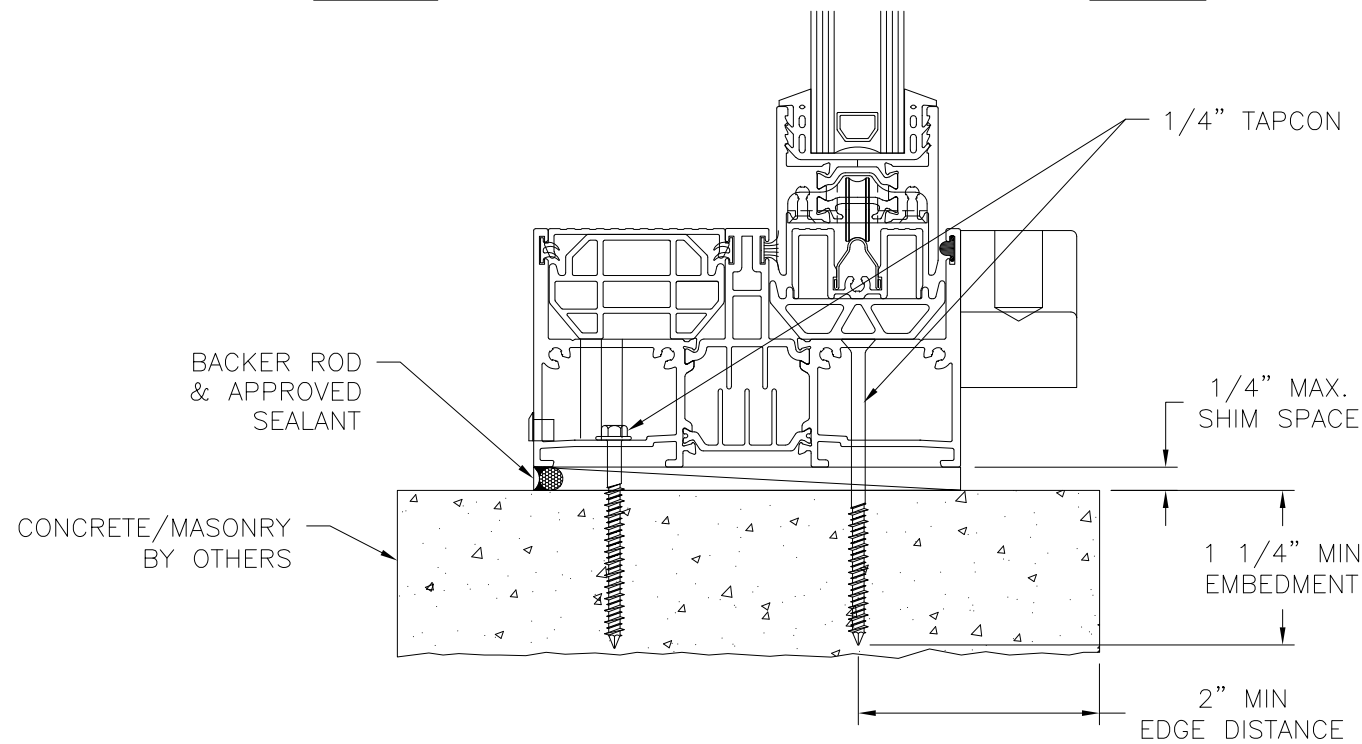
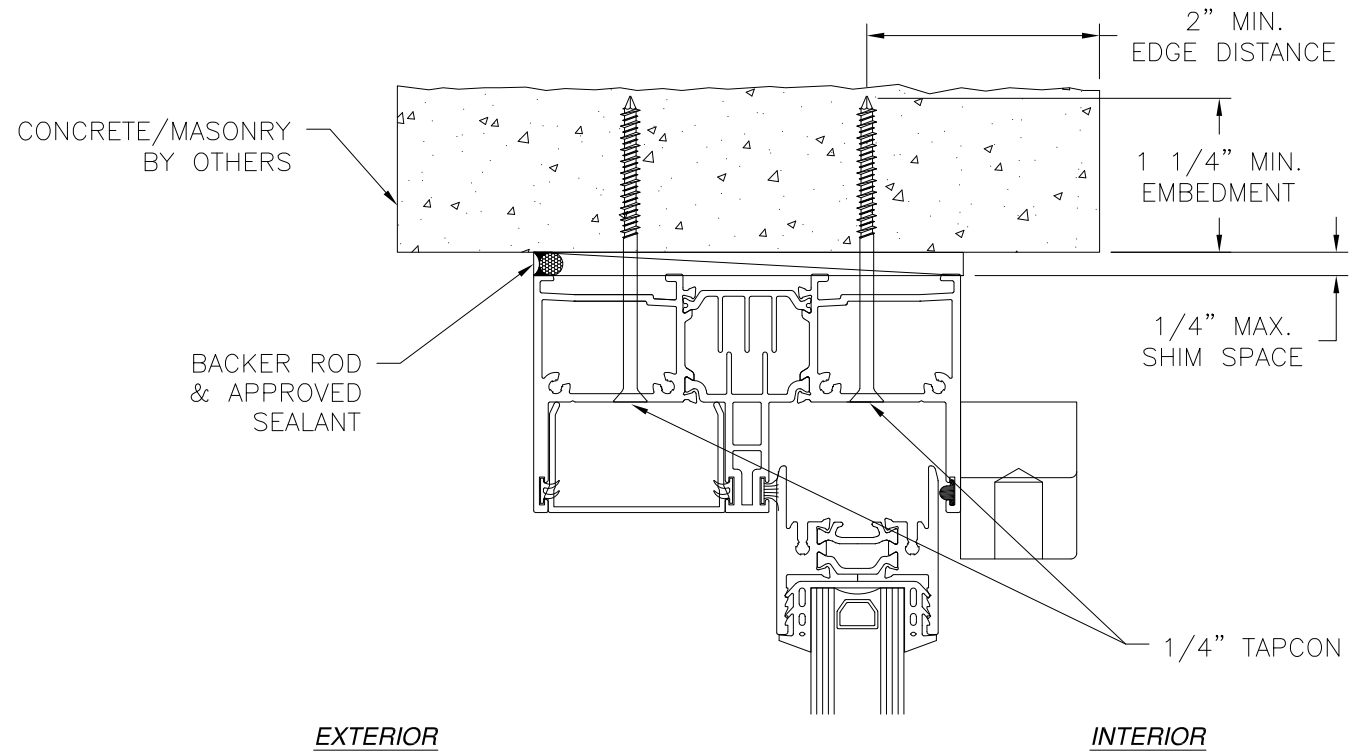


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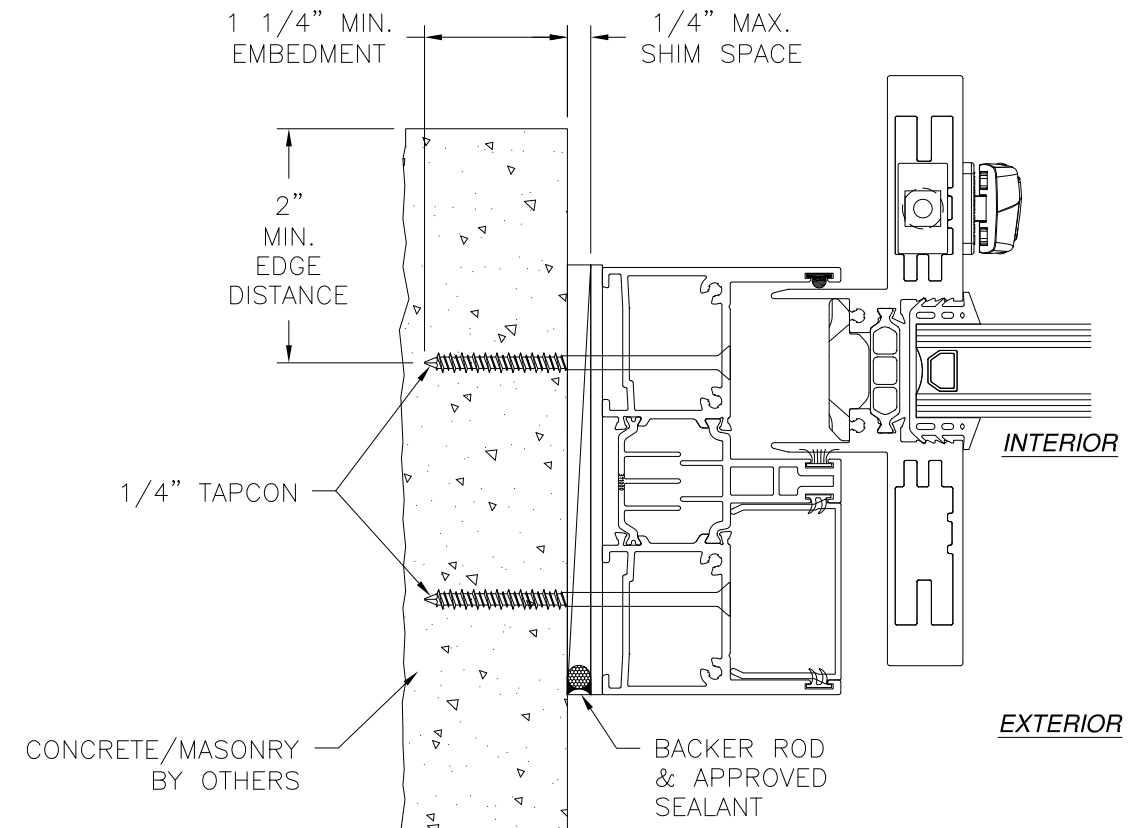
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

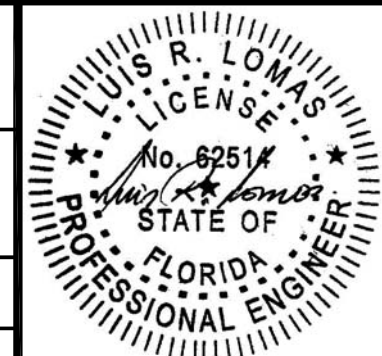


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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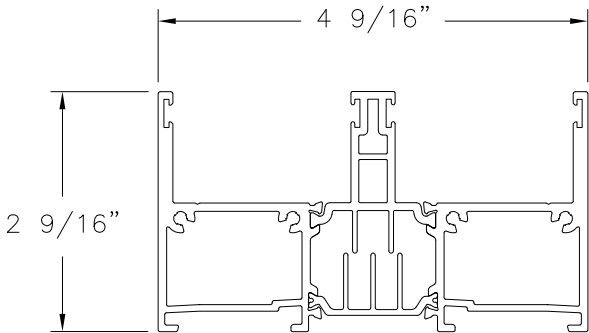
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L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

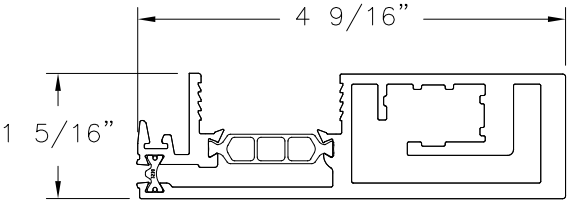


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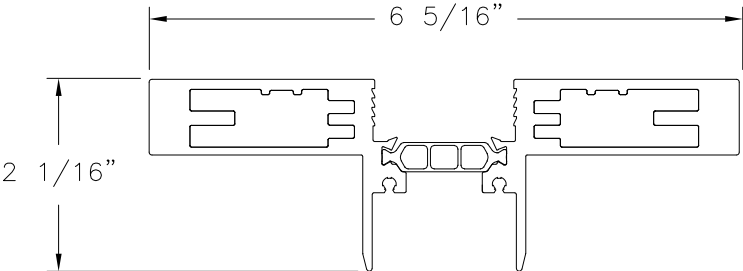
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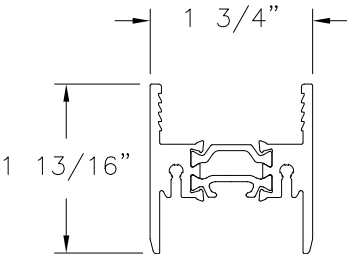
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ALUMINUM 6063-T5



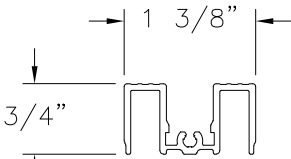
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ALUMINUM 6063-T5



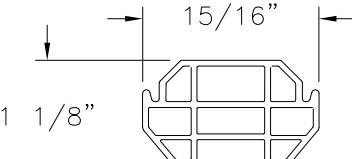
HANDLE COVER / BOLT GUIDE (S100COVERHB)
ALUMINUM 6063-T5



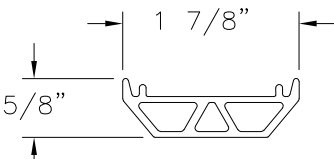
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ALUMINUM 6063-T5



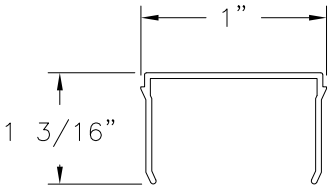
SILL TRACK GUIDE (S100GU1DE)
ALUMINUM 6063-T5



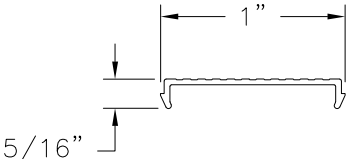
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PVC



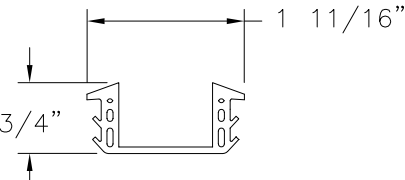
SMALL SPACER (S100SPACERS)
PVC



FINGER GASKET (S100G1F)
ALUMINUM 6063-T5



SILL SNAP FILLER (S100SNAP)
ALUMINUM 6063-T5



GLAZING GASKET (S100GD)
ALUMINUM 6063-T5

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PALISADES S100 SLIDING GLASS DOOR XO
NON-IMPACT
COMPONENTS

DRAWN: A.R.

DWG NO. 08-03810

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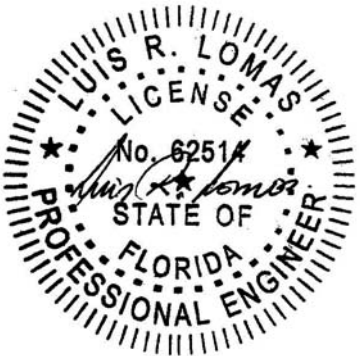
DATE 02/15/2022

SHEET 7 OF 7

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