

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED TO ADD INSTALLATION DETAILS	03/08/2021	R.L.

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 FIN INSTALLATION SHIM AS NEEDED. 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: MAHOGANY.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 12 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/8” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

15. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4” ELCO CRETE–FLEX TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. 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.
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: GROUT 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 .125” THICK MINIMUM.

SIGNED: 03/25/2021

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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 SGD LIFT AND SLIDE DOOR
LMI, NON–HVHZ
NOTES

DRAWN:
N.G.

DWG NO.
08–02967

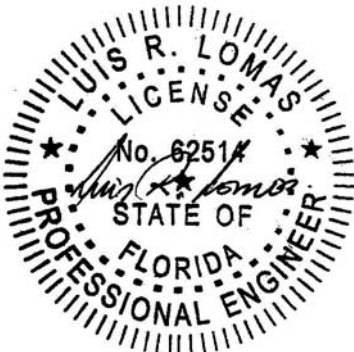
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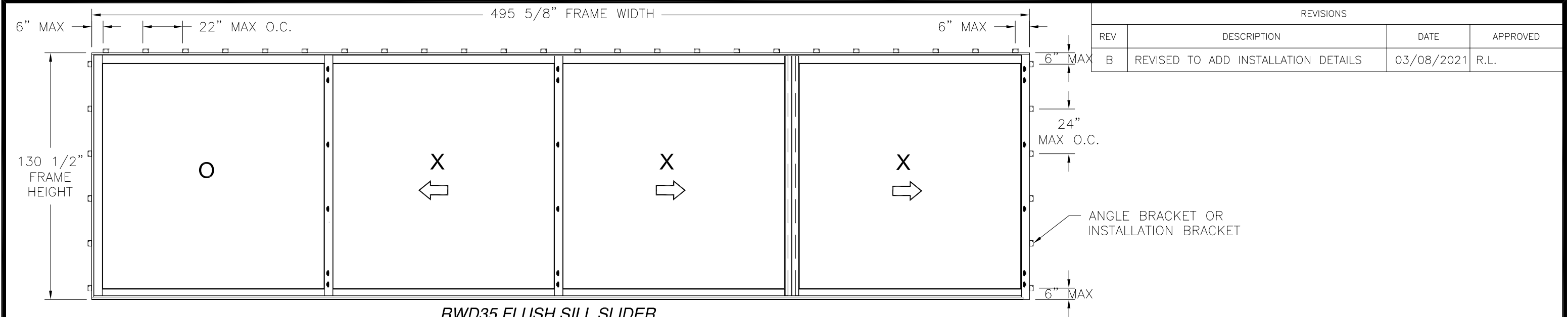
DATE 12/10/15

SHEET 1 OF 12

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
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Luis R. Lomas P.E.
FL No.: 62514



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DESIGN PRESSURE RATING	IMPACT RATING
±40.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4
(4) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL WIDTH & HEIGHT AND USE VERTICAL CONDITIONS AS SHOWN. SEE CHART BELOW FOR OTHER SIZES RATINGS.

- NOTES:
- 1. OPERABLE PANEL SIZE: 126 1/4" x 127"
 - 2. FIXED PANEL SIZE: 126 1/4" X 127 3/8"
 - 3. D.L.O.: 117" x 119"

CHART #1

Design pressure capacity chart (psf)

Panel Height (in)	Panel Width (in)																																						
	24.00		30.00		36.00		42.00		48.00		54.00		60.00		66.00		72.00		78.00		84.00		90.00		96.00		102.00		108.00		114.00		120.00		126.25				
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg			
80.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0		
84.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
90.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
96.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	52.9	52.9	
102.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	52.4	52.4	49.8	49.8
108.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	52.1	52.1	49.5	49.5	47.0	47.0	
114.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
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HARDWARE SCHEDULE	
A.	(6) CARRIAGE ROLLER KIT (LAR2500012) AT THE BOTTOM OF EACH STILE
B.	(15) INTERLOCKS BY GU AT 6" FROM HEAD AND SILL AND 34" MAX. O.C. AT EACH STILE
C.	(2) STEEL CHANNEL REINFORCEMENT (C 3X4.1) AT MEETING STILE
D.	(2) ALUMINUM CHANNEL REINFORCEMENT AT MEETING STILE
E.	(4) STEEL CHANNEL REINFORCEMENT AT INTERLOCK STILES
F.	(3) BOTTOM RAIL CARRIAGE AT BOTTOM OF EACH OPERABLE SASH
G.	(9) ALUMINUM U CHANNEL 3 PER SASH SPACED BETWEEN ROLLERS
H.	(6) TOP GEAR GUIDE ON TOP CORNER OF SASHES

REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 SGD LIFT AND SLIDE DOOR
LMI, NON-HVHZ
ELEVATION

DRAWN:
N.G.

DWG NO.
08-02967

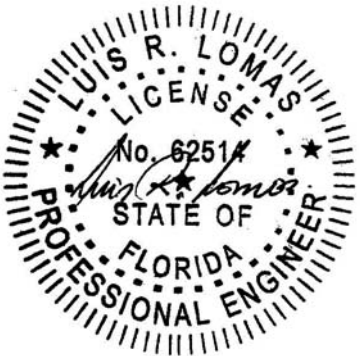
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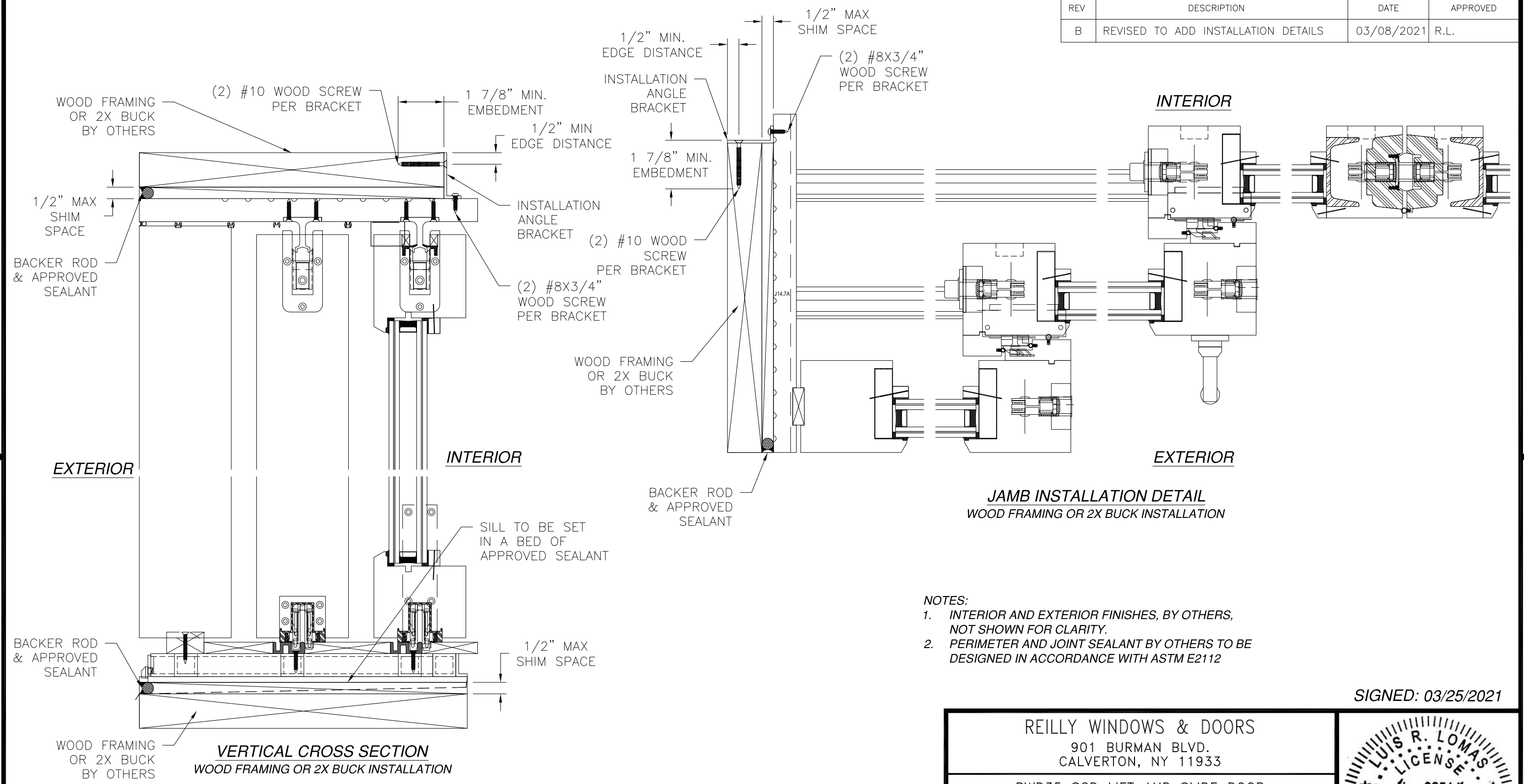
SHEET
2 OF 12

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- 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

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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 SGD LIFT AND SLIDE DOOR
LMI, NON-HVHZ
INSTALLATION DETAILS W/INSTALLATION ANGLE

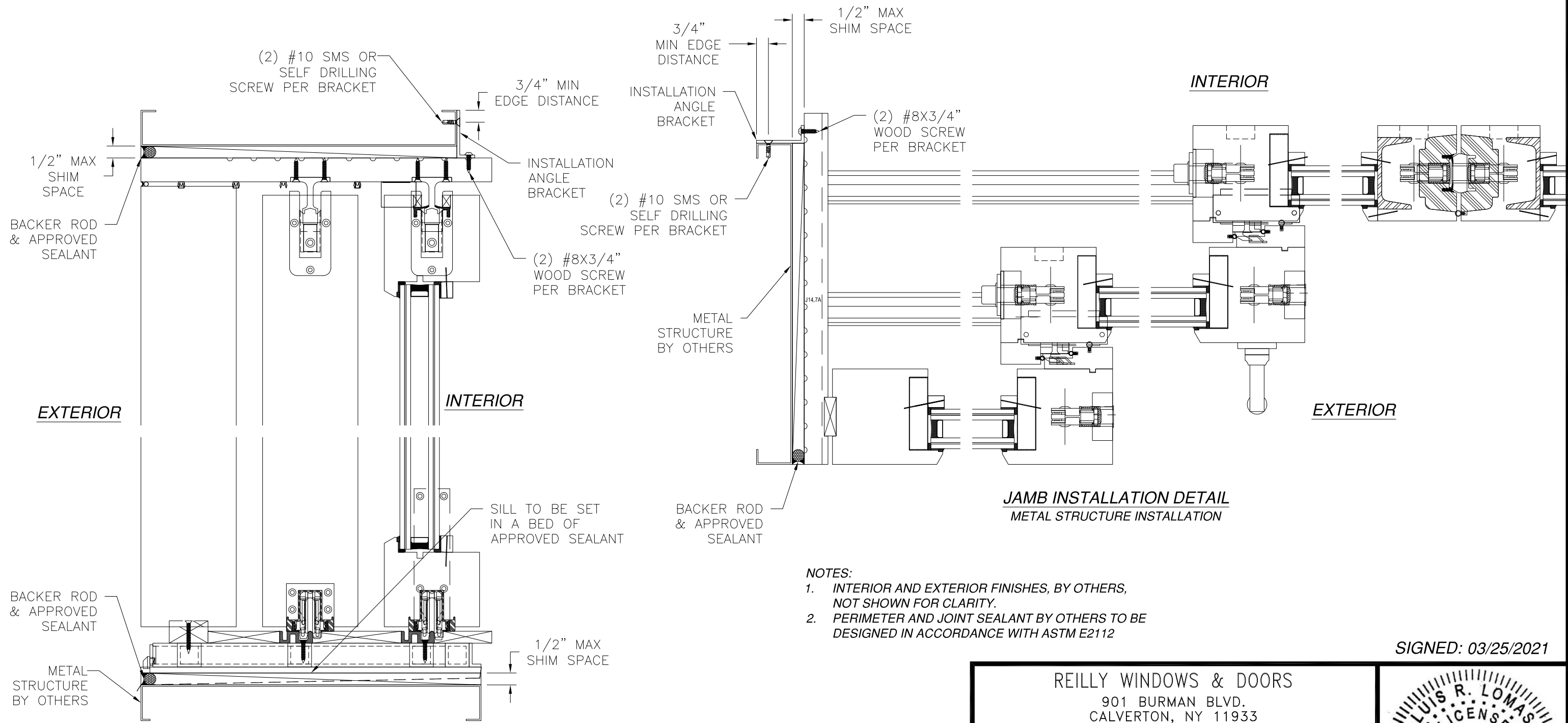
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SCALE NTS	DATE 12/10/15	SHEET 3 OF 12

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LICENSED PROFESSIONAL ENGINEER
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STATE OF FLORIDA

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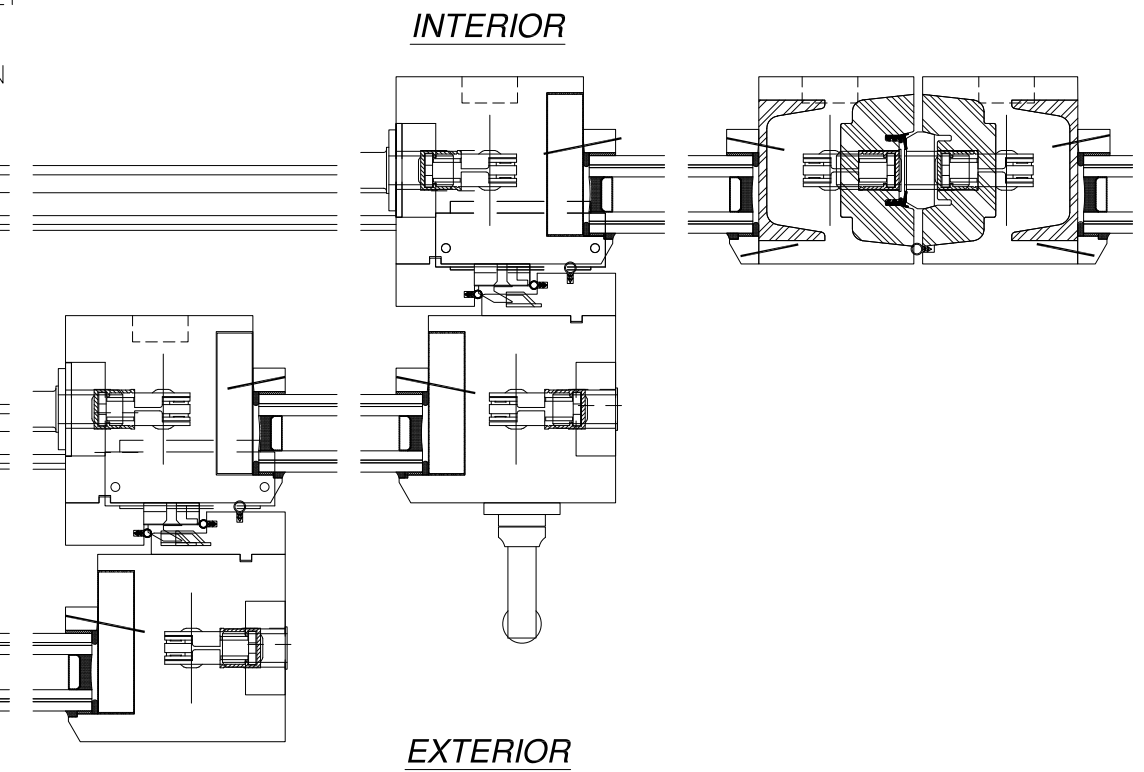
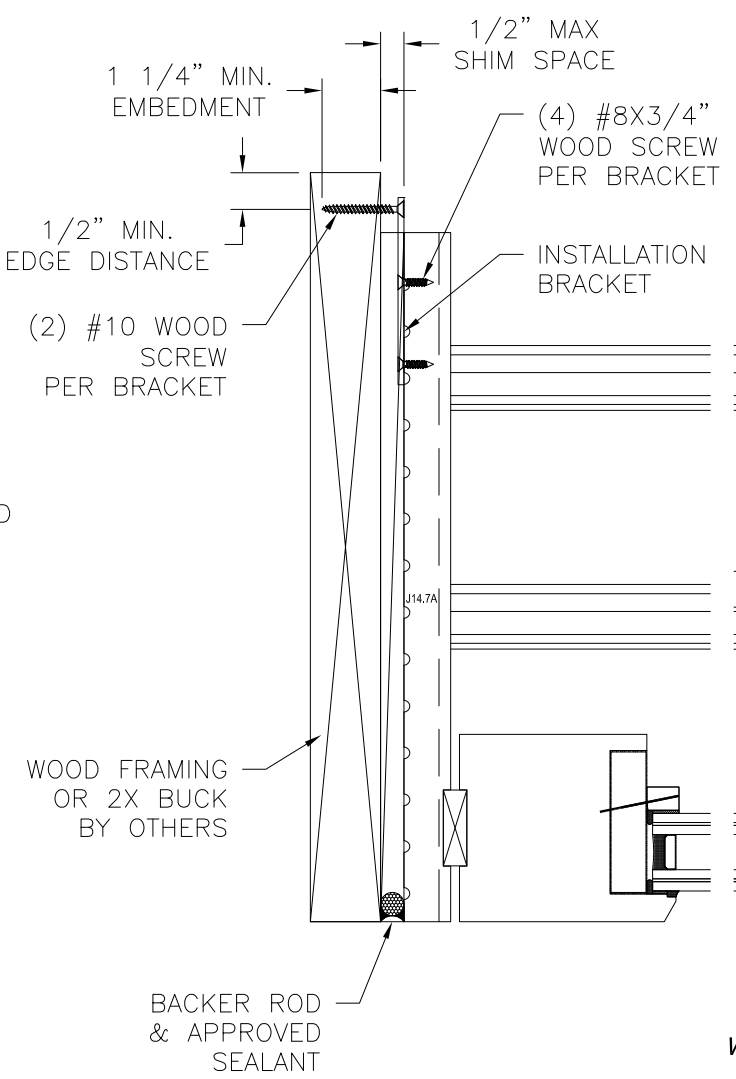
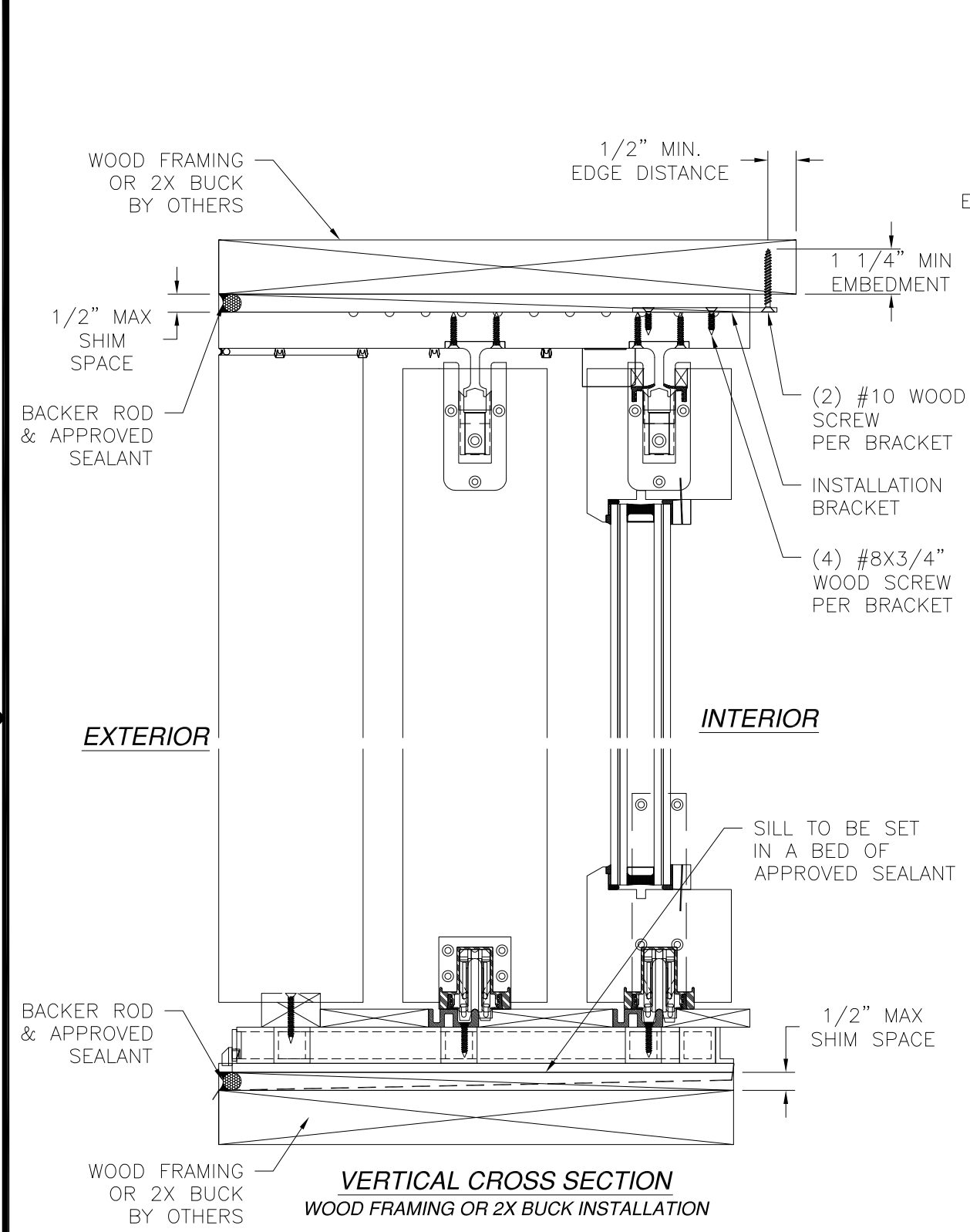
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

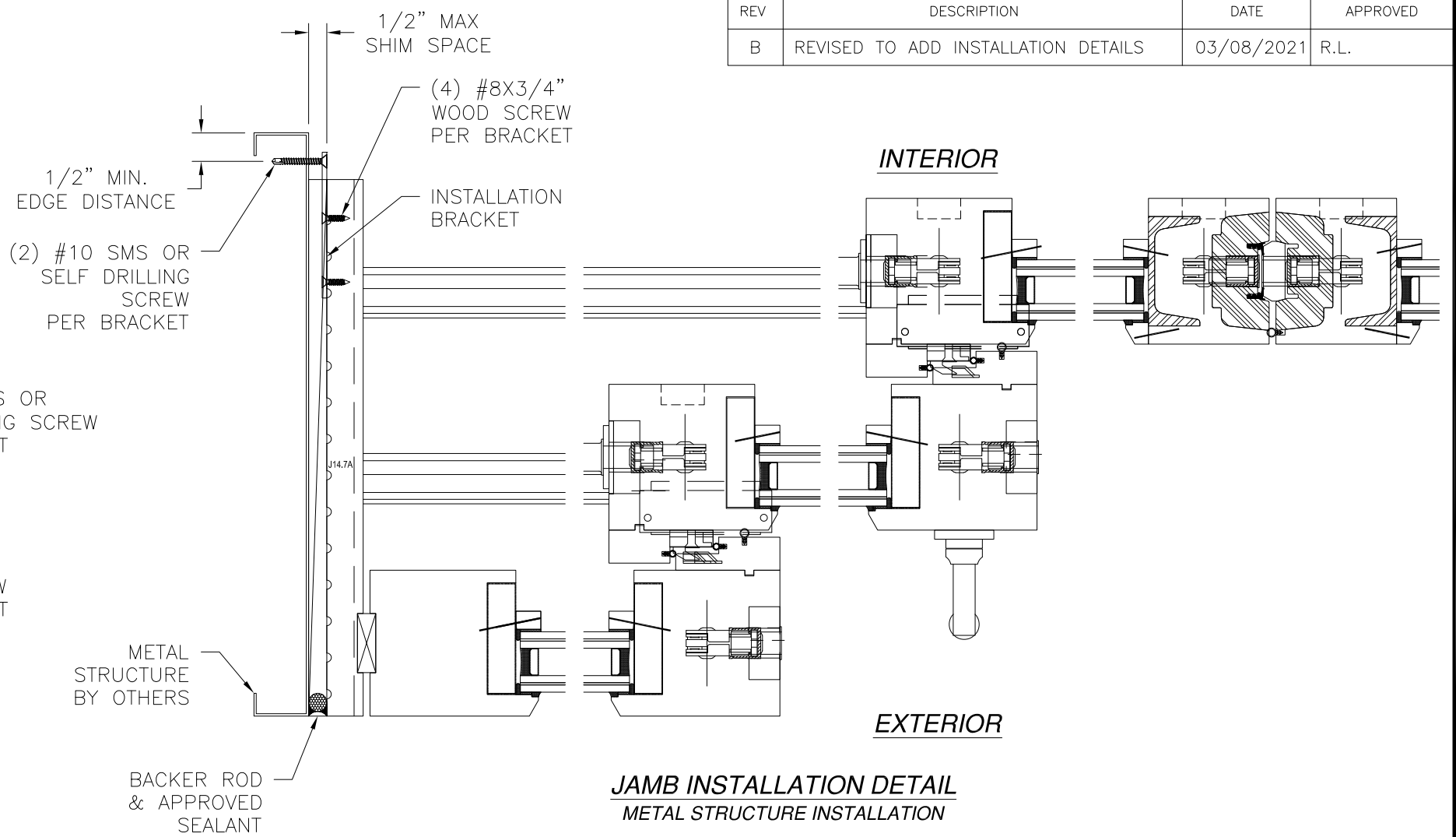
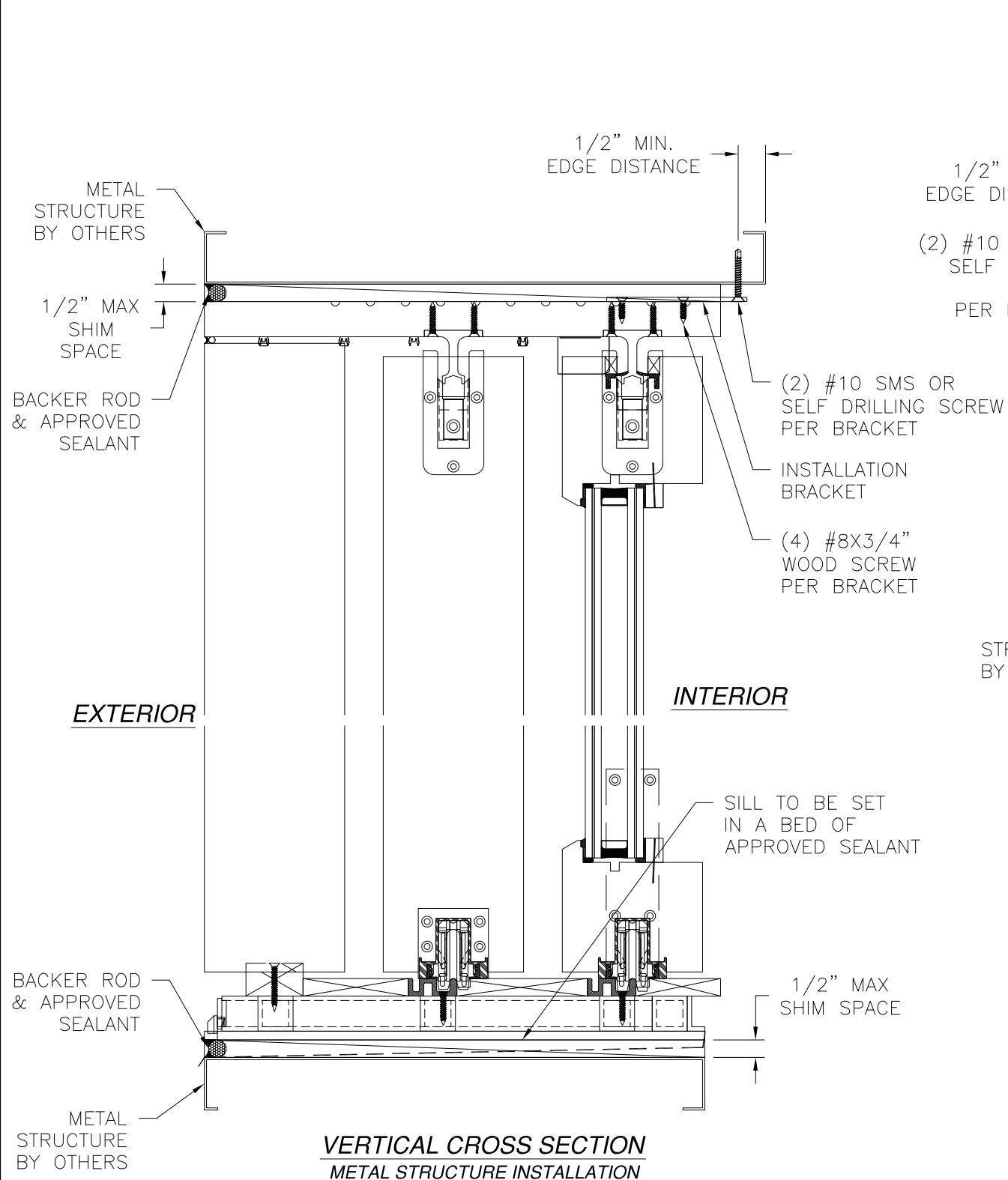
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REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD35 SGD LIFT AND SLIDE DOOR LMI, NON-HVHZ INSTALLATION DETAILS W/ INSTALLATION BRACKET		
DRAWN: N.G.	DWG NO. 08-02967	REV B
SCALE NTS	DATE 12/10/15	SHEET 5 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

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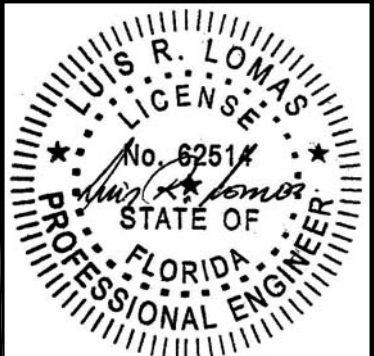
REILLY WINDOWS & DOORS

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CALVERTON, NY 11933

RWD35 SGD LIFT AND SLIDE DOOR
LMI, NON-HVHZ
INSTALLATION DETAILS W/ INSTALLATION BRACKET

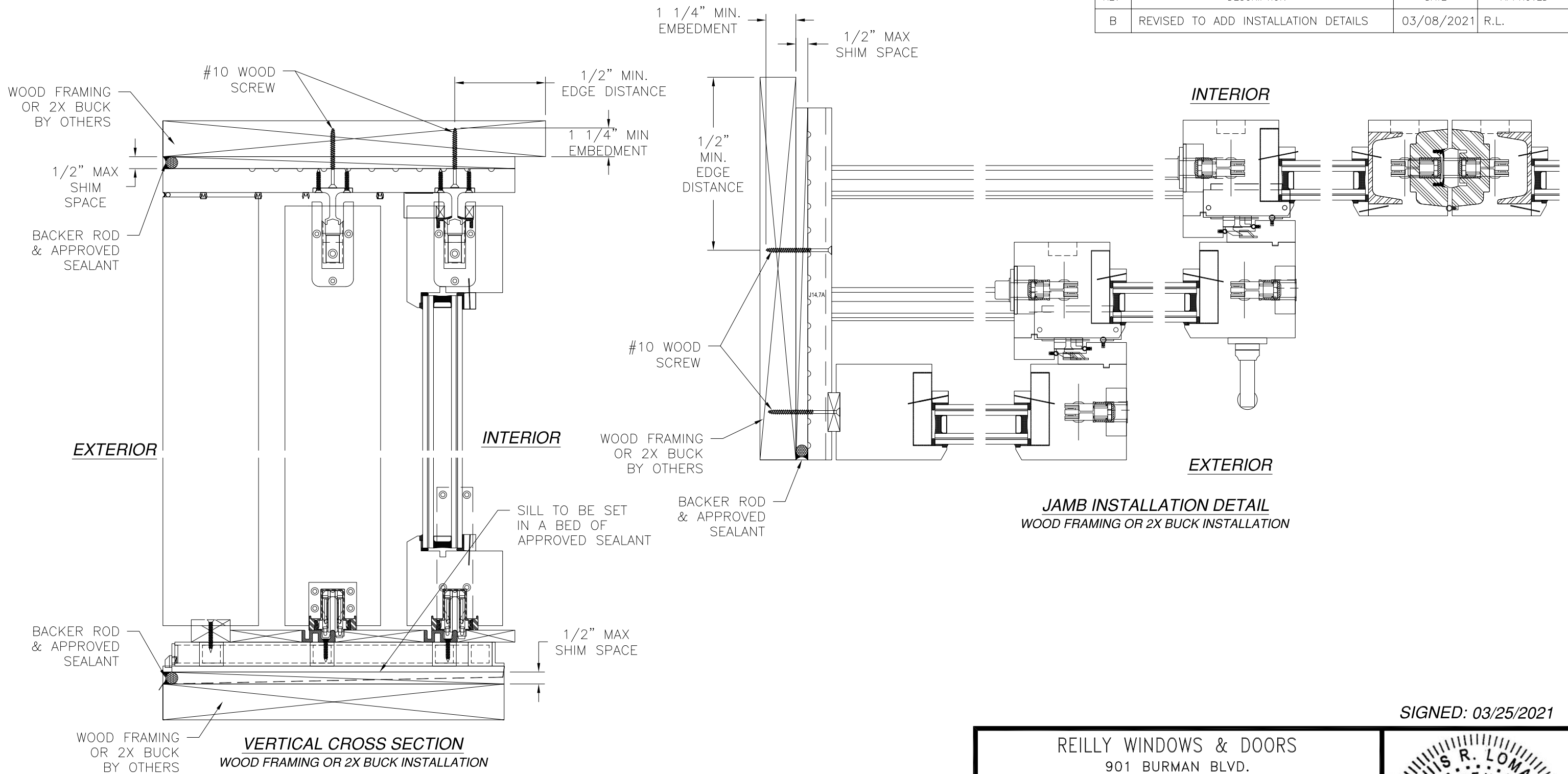
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RWD35 SGD LIFT AND SLIDE DOOR
LMI, NON-HVHZ
FRAME INSTALLATION DETAILS

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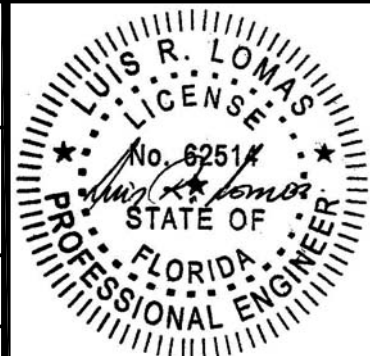
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SHEET
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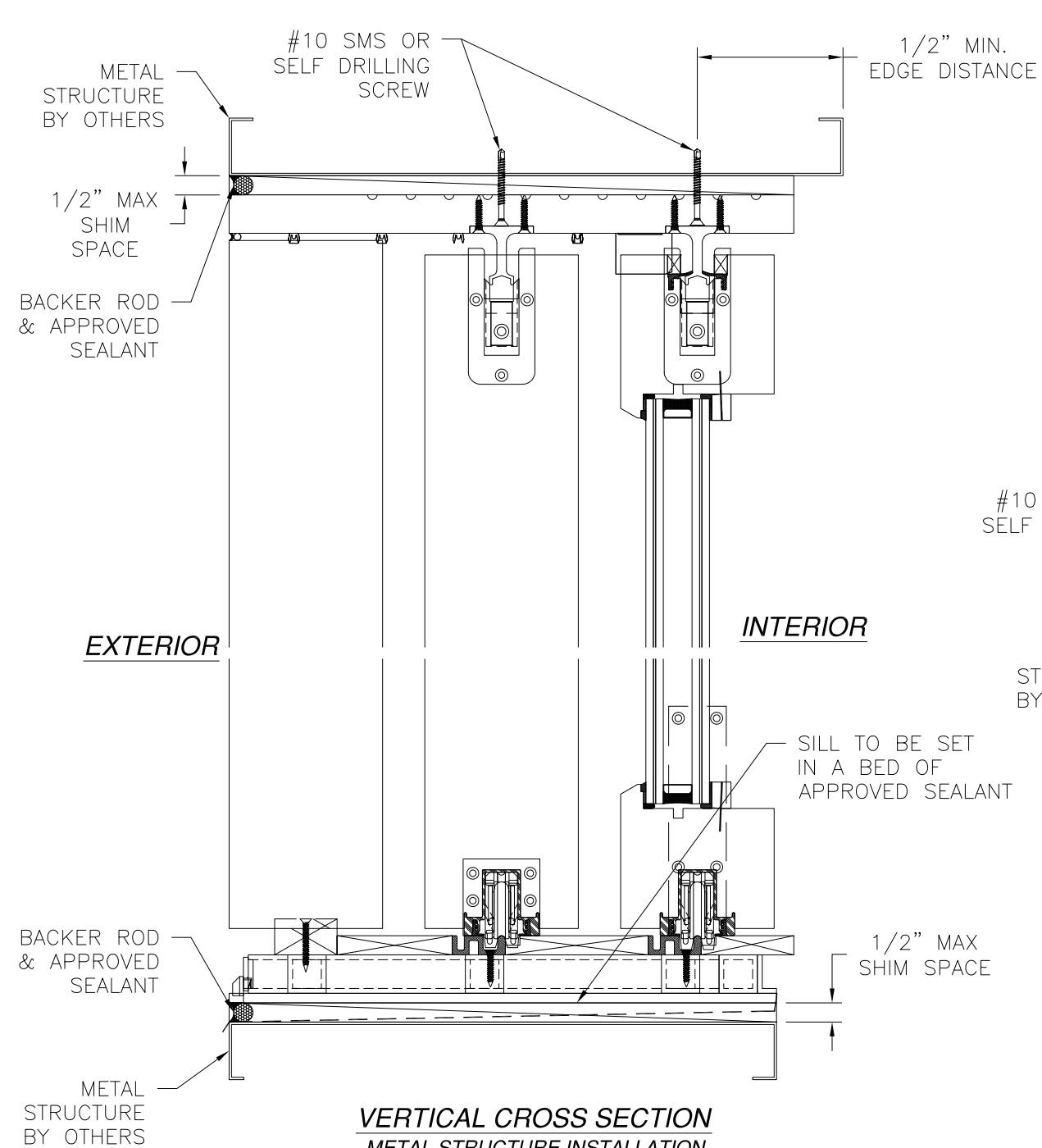
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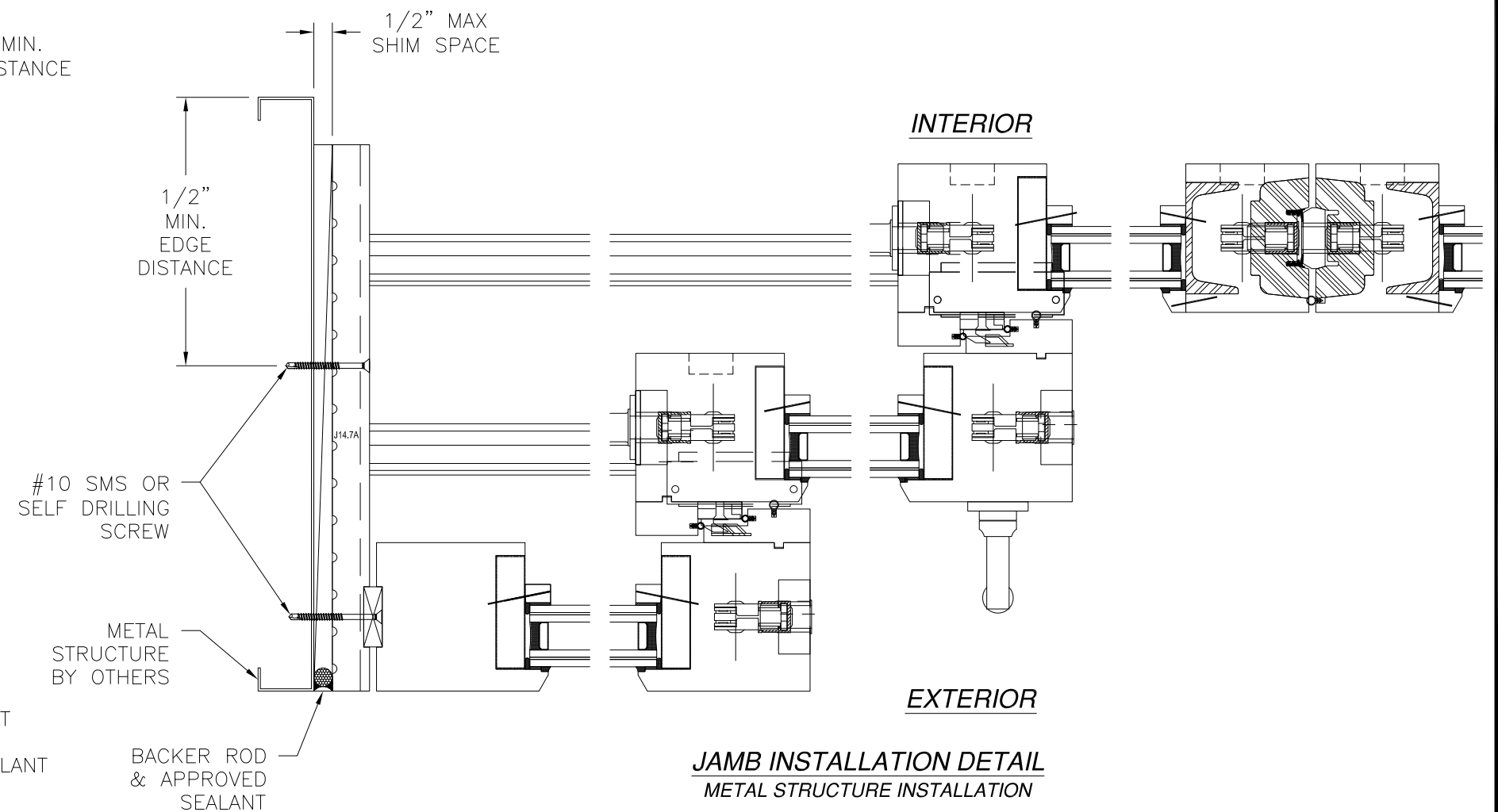
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REILLY WINDOWS & DOORS

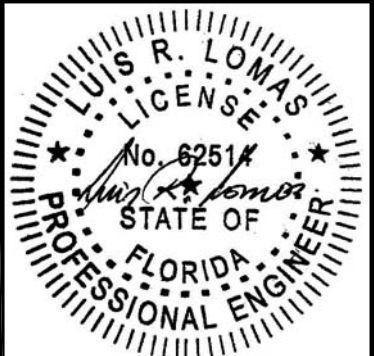
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RWD35 SGD LIFT AND SLIDE DOOR
LMI, NON-HVHZ
FRAME INSTALLATION DETAILS

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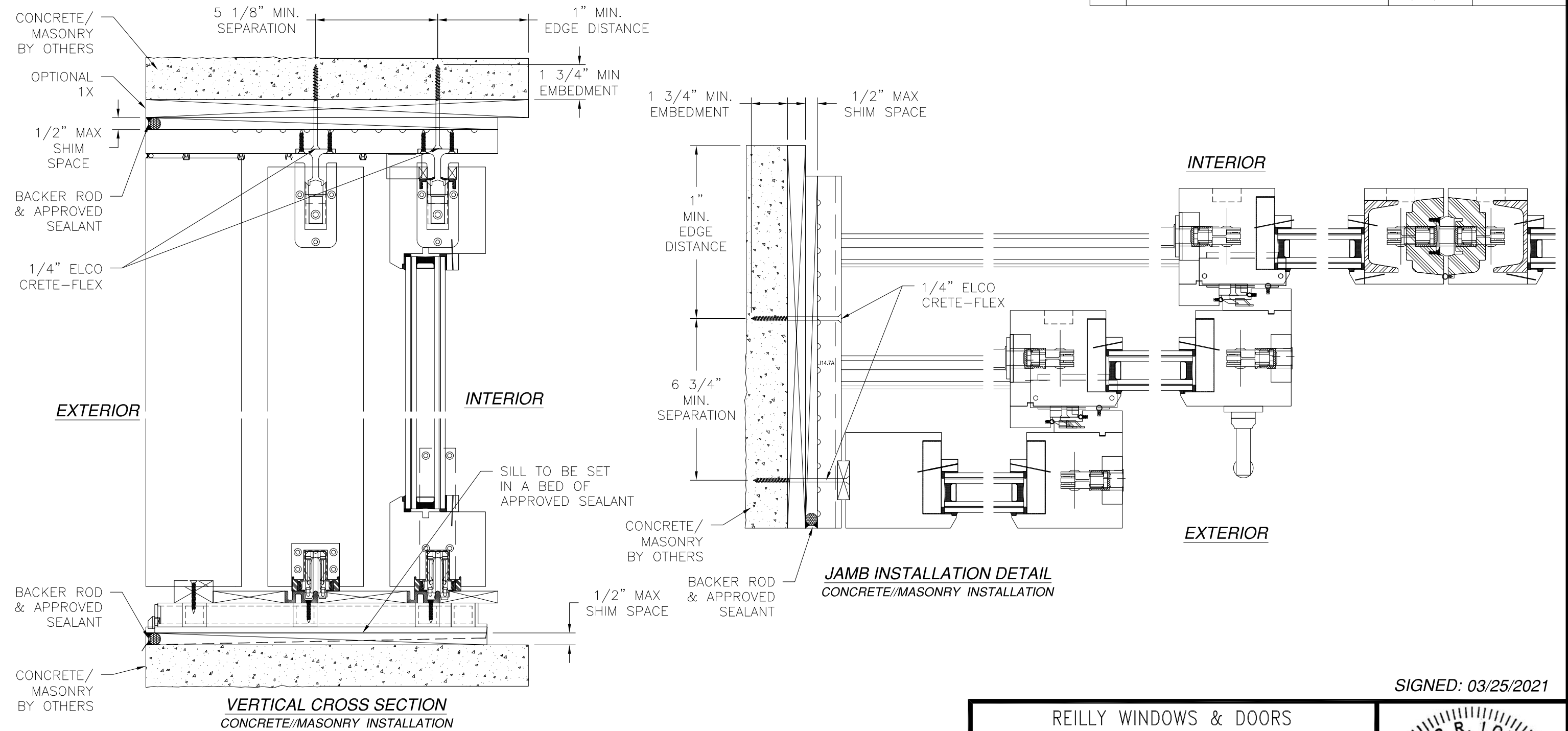
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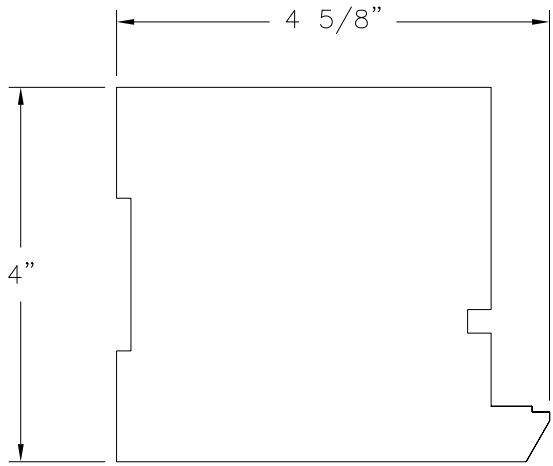
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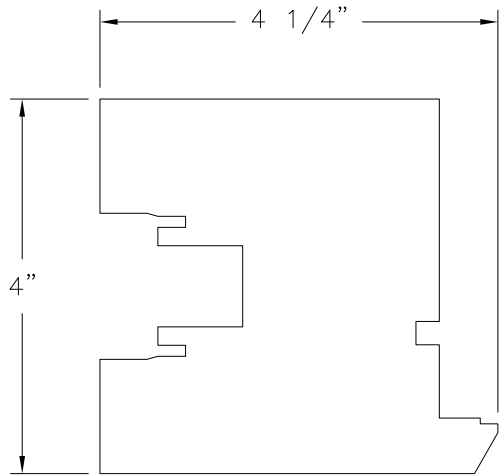
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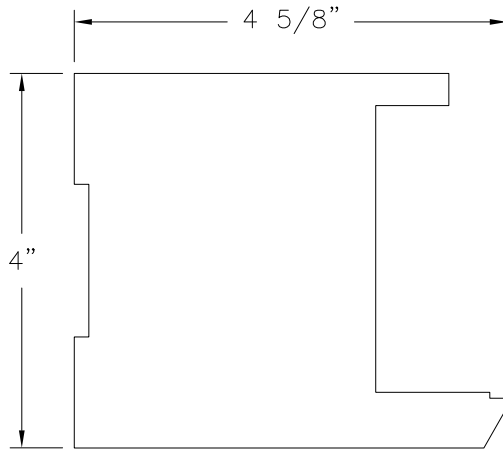
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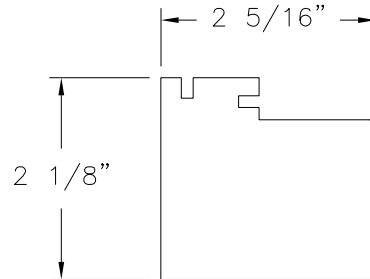
HEAD RAIL (C4 BTS)
MAHOGANY .125 " THICK



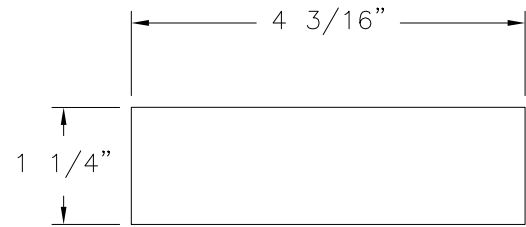
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MAHOGANY .125 " THICK



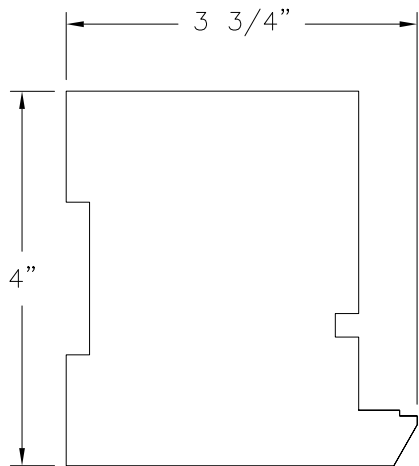
VERTICAL STILE (C4A BTS)
MAHOGANY .125 " THICK



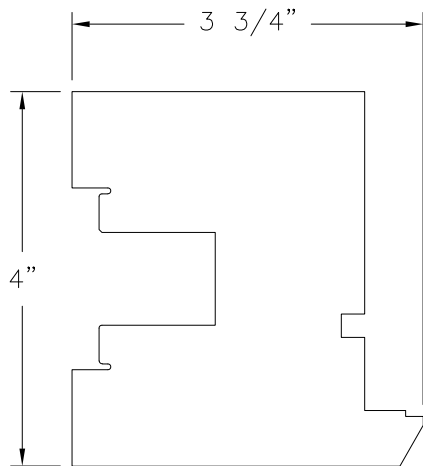
POCKET FRAME (PF2.2)
MAHOGANY .125 " THICK



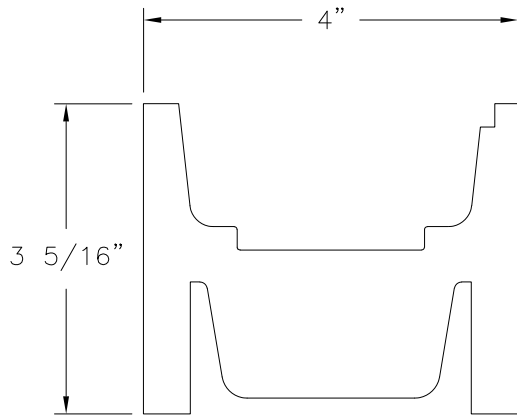
POCKET FRAME (PF4.2)
MAHOGANY .125 " THICK



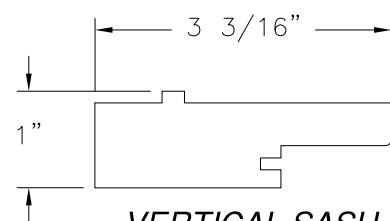
FIXED BOTTOM RAIL (C3.12 BTS)
MAHOGANY .125 " THICK



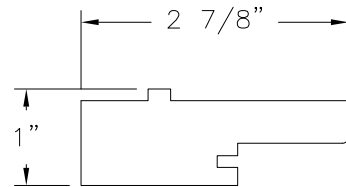
BOTTOM RAIL (C3.12 BTS)
MAHOGANY .125 " THICK



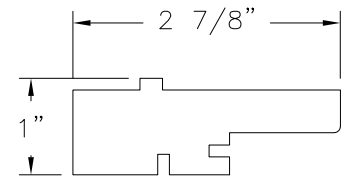
VERTICAL MEETING STILE (D3.31 BTS)
MAHOGANY .125 " THICK



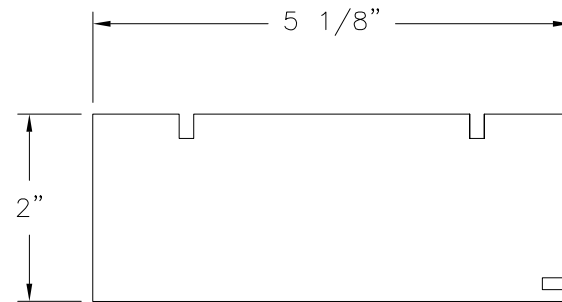
VERTICAL SASH STOP (SS3.1)
MAHOGANY .125 " THICK



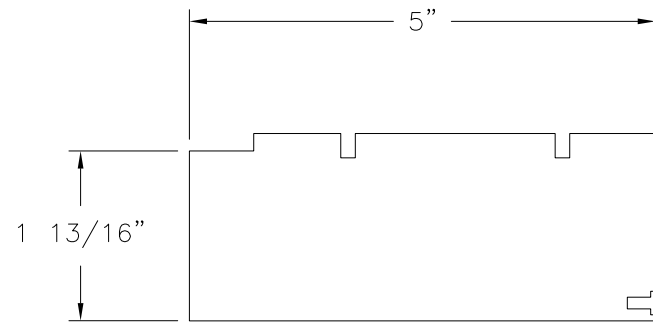
VERTICAL SASH STOP (SS2.8)
MAHOGANY .125 " THICK



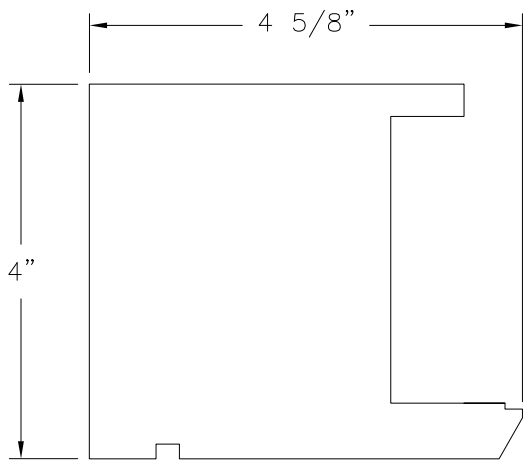
VERTICAL SASH STOP (SS2.8A)
MAHOGANY .125 " THICK



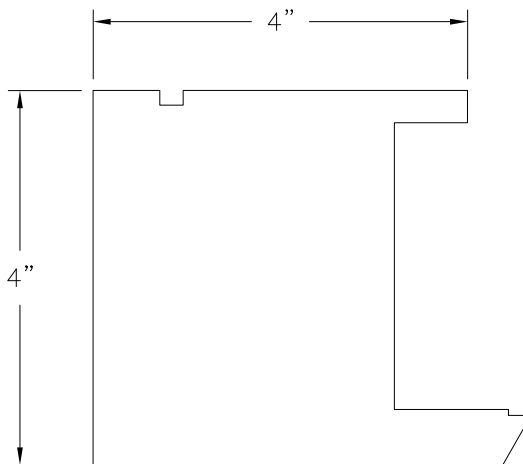
JAMB STOP BLOCK (BL5.1)
MAHOGANY .125 " THICK



JAMB STOP BLOCK (BL4.9)
MAHOGANY .125 " THICK



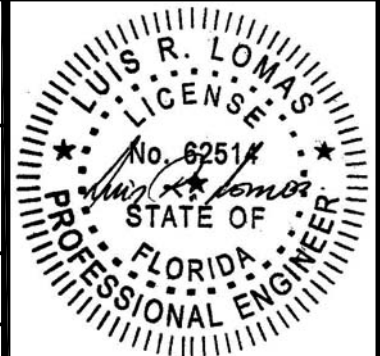
VERTICAL STILE (C4C BTS)
MAHOGANY .125 " THICK



VERTICAL STILE (C4B BTS)
MAHOGANY .125 " THICK

SIGNED: 03/25/2021

REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD35 SGD LIFT AND SLIDE DOOR LMI, NON-HVHZ COMPONENTS		
DRAWN: N.G.	DWG NO. 08-02967	REV B
SCALE NTS	DATE 12/10/15	SHEET 11 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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



