

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISE INSTALLATION DETAILS	11/21/2023	R.L.

NOTES:

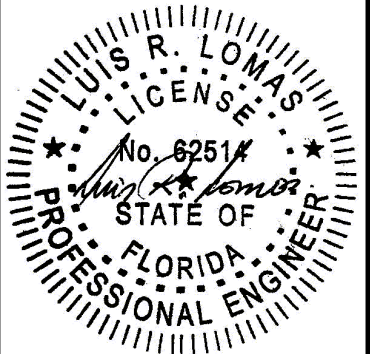
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 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.
4. 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.
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 WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. 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".
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: MAHOGANY
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 10 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT 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 THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" ELCO CRETE-FLEX 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:W
 - 17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 17.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 17.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM.
18. APPROVED CONFIGURATIONS: XX, X.

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SHEET NO.	DESCRIPTION
1	NOTES
2 - 3	ELEVATION
4 - 9	INSTALLATION DETAILS
10	GLAZING DETAIL AND COMPONENTS

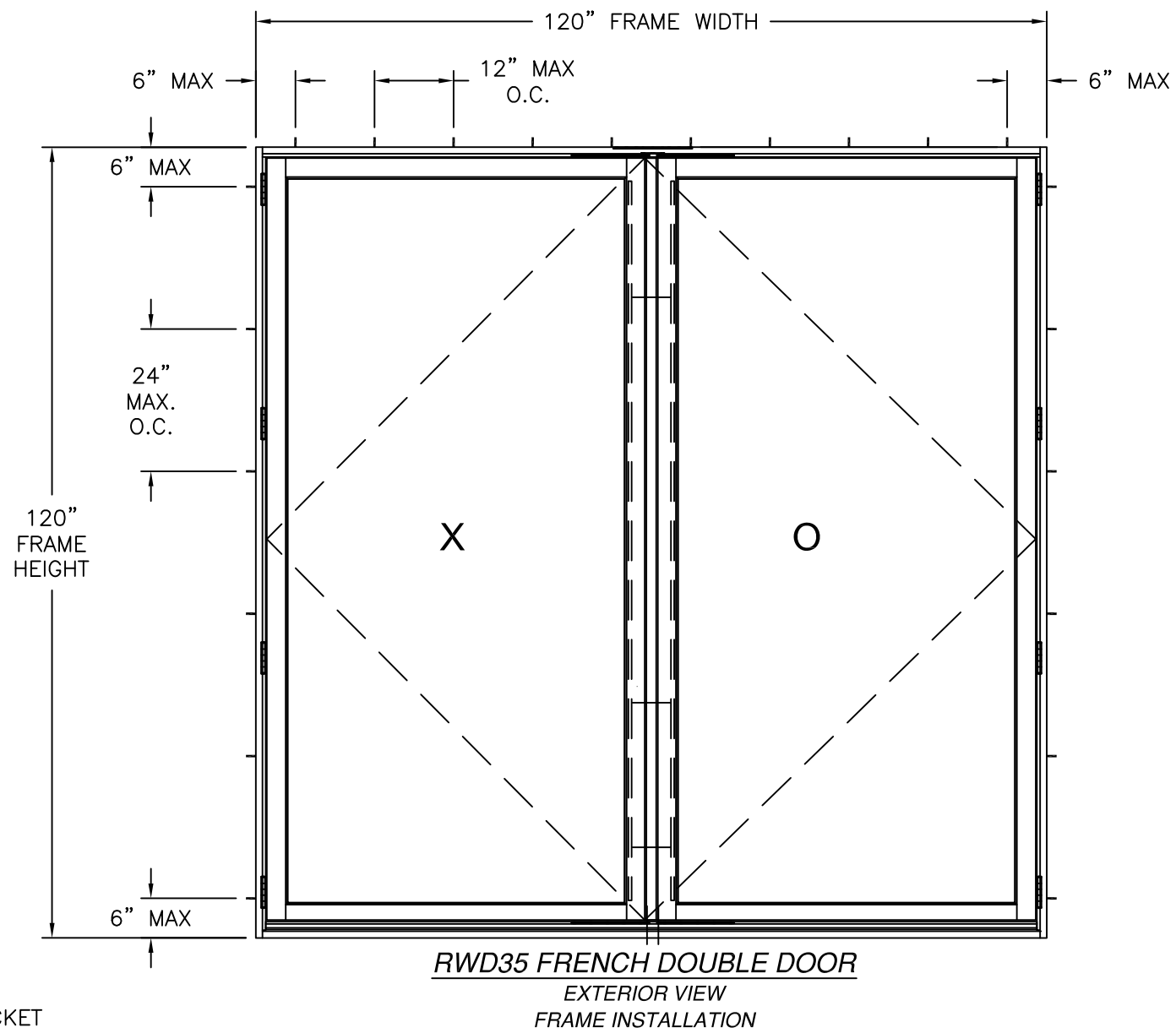
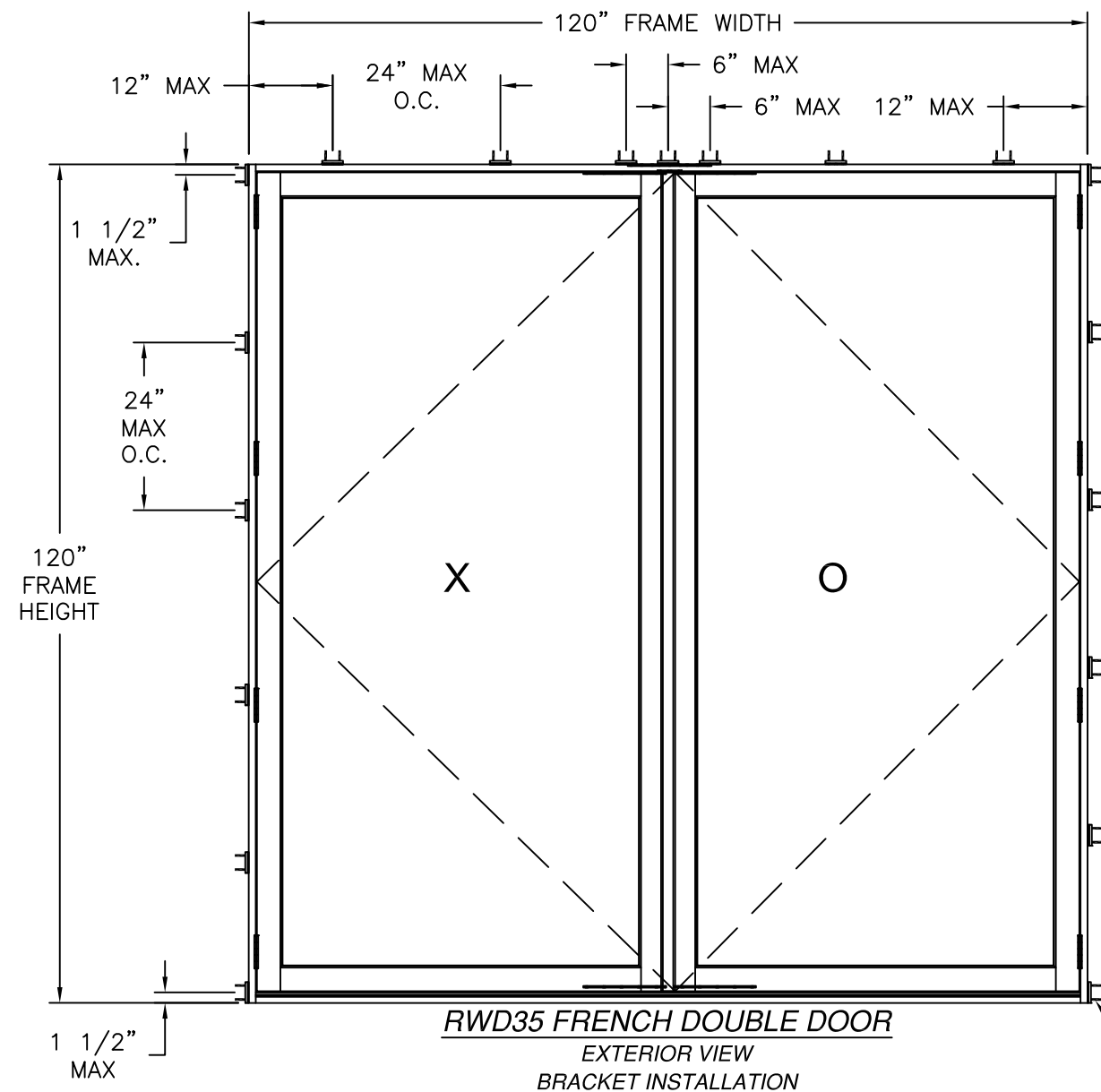
REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD35 FRENCH OUT-SWING DOOR 120" X 120" - IMPACT NOTES		
DRAWN: V.L.	DWG NO. 08-03041	REV C
SCALE NTS	DATE 01/31/17	SHEET 1 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 07/29/2026



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

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(2) ANCHORS PER
INSTALLATION BRACKET

- NOTES:
- PANEL SIZE: 58 3/4" x 117 5/32"
 - D.L.O.: 52 3/32" x 110 29/32"

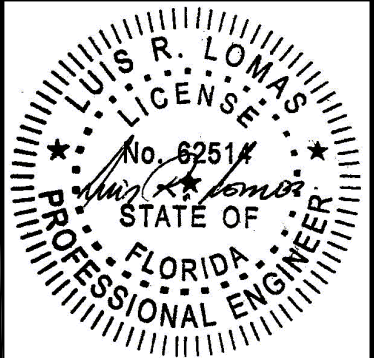
DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
58 3/4" X 117 5/32" PANEL SHOWN, OTHER SIZES ARE APPROVED
AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 47.8 FT²
SEE CHART #1 SHEET 3, FOR OTHER SIZES RATINGS

HARDWARE SCHEDULE	
A.	(8) 4.5" X 4.5" MERIT BUTTON TOP HINGES 35 1/2" O.C.
B.	(1) HOPPE INACTIVE GEAR (2074564) W/BOTTOM SHOOT BOLT AT LOCK STILE
C.	SHOOT BOLT WITH 1740MM EXTENSION AT TOP LOCK STILE
D.	SHOOT BOLT WITH 475MM EXTENSION AT TOP LOCK STILE
E.	(1) HOPPE ACTIVE GEAR (8778847) W/BOTTOM SHOOT BOLT AT LOCK STILE
F.	1/2" X 2" STEEL REINFORCEMENT AT EACH MEETING STILE
G.	STEEL REINFORCEMENT (RWD NOVA) AT SASH RAILS

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RWD35 FRENCH OUT-SWING DOOR 120" X 120" - IMPACT ELEVATION		
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SCALE NTS	DATE 01/31/17	SHEET 2 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

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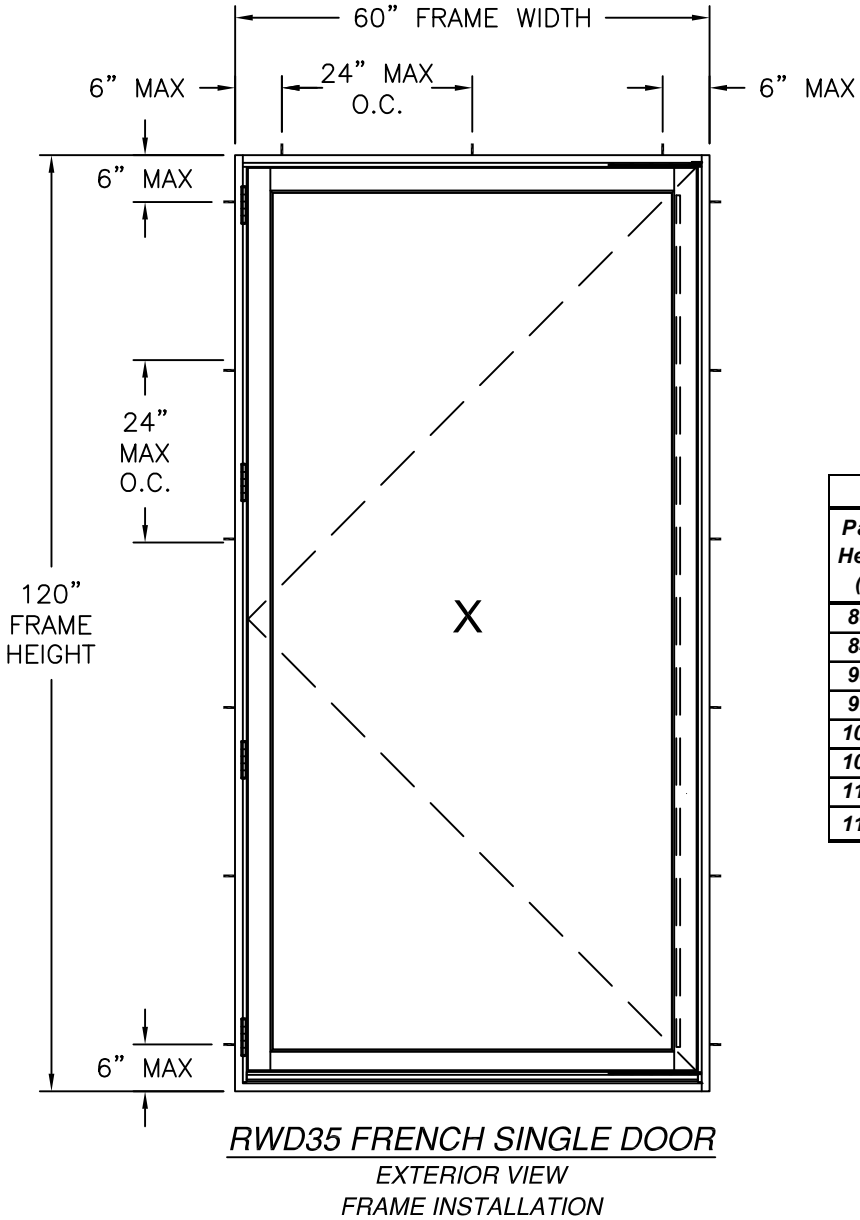
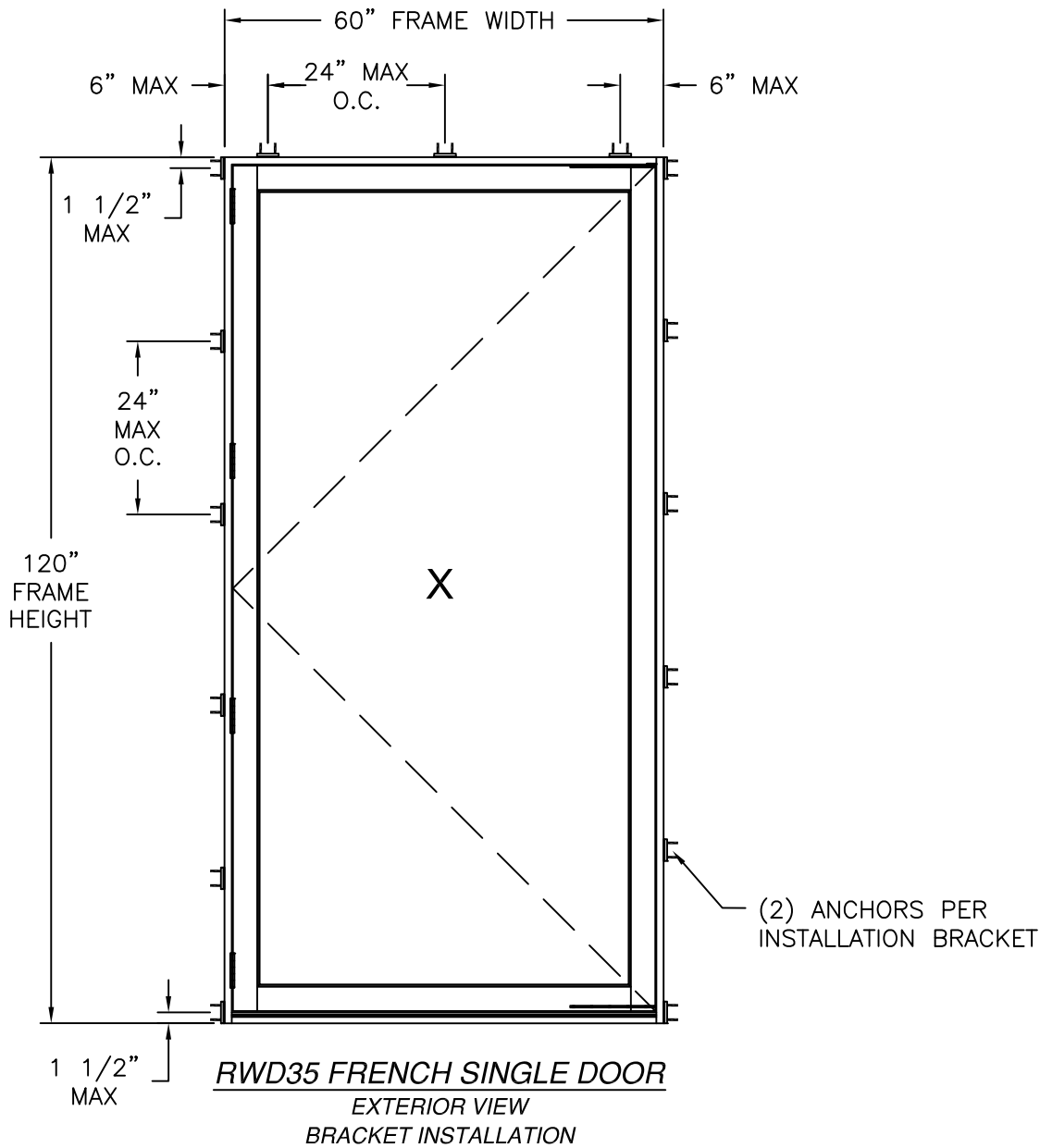


CHART #1

Design pressure capacity chart (psf)														
Panel Height (in)	Panel Width (in)													
	24.00		30.00		36.00		42.00		48.00		54.00		58.75	
	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
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
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
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
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
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
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
117.28	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

DESIGN PRESSURE RATING	IMPACT RATING
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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 FRENCH OUT-SWING DOOR
120" X 120" – IMPACT
ELEVATION

DRAWN:
V.L.

DWG NO.
08-03041

REV
C

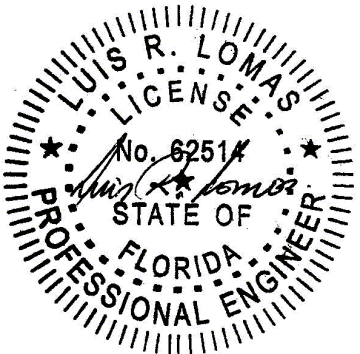
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DATE
01/31/17

SHEET
3 OF 10

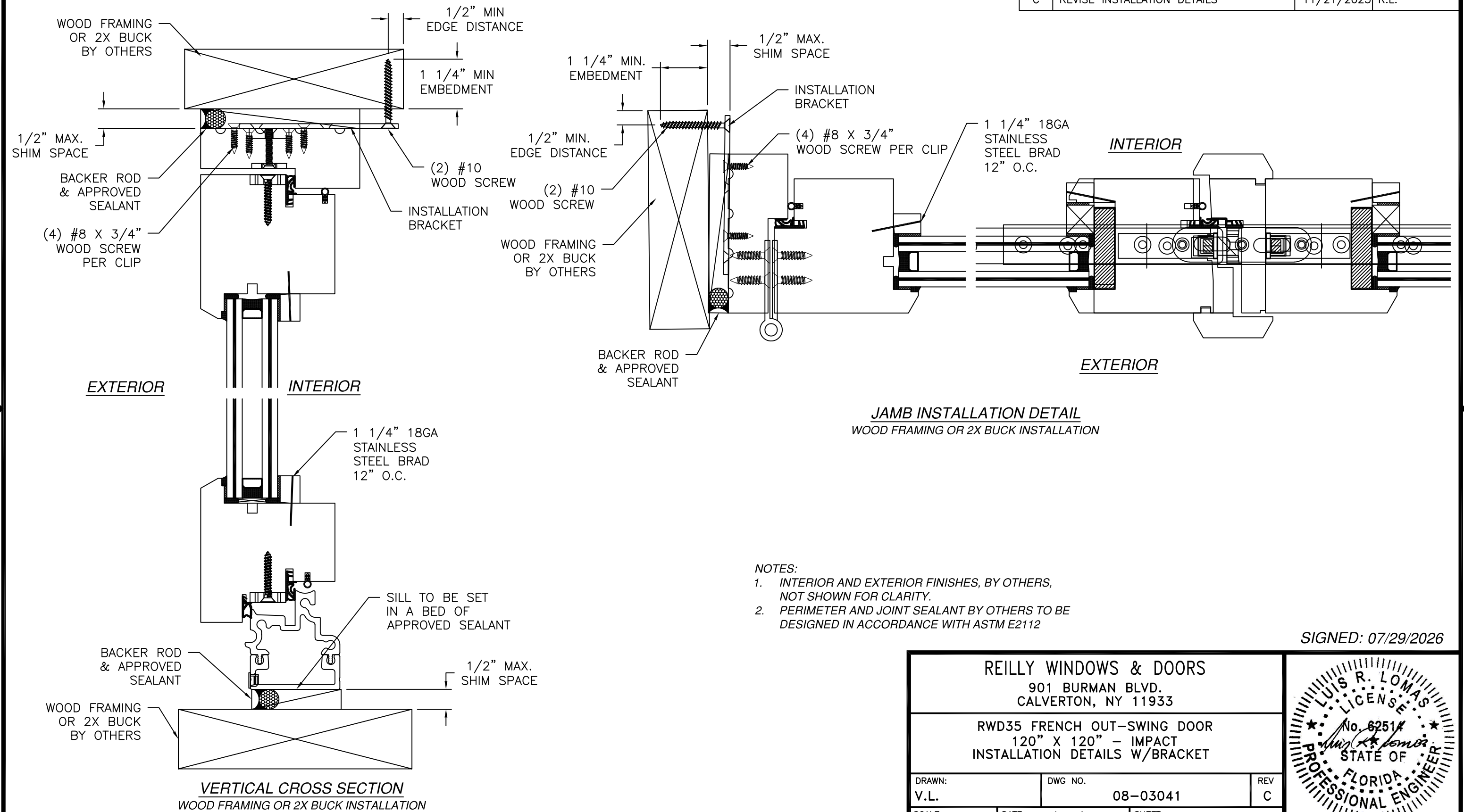
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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- NOTES:
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 - 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 FRENCH OUT-SWING DOOR
120" X 120" – IMPACT
INSTALLATION DETAILS W/BRACKET

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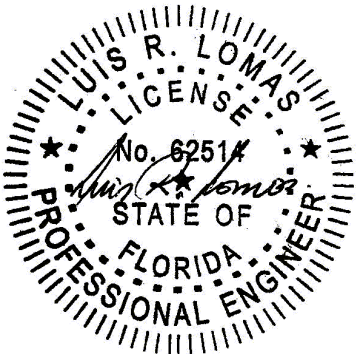
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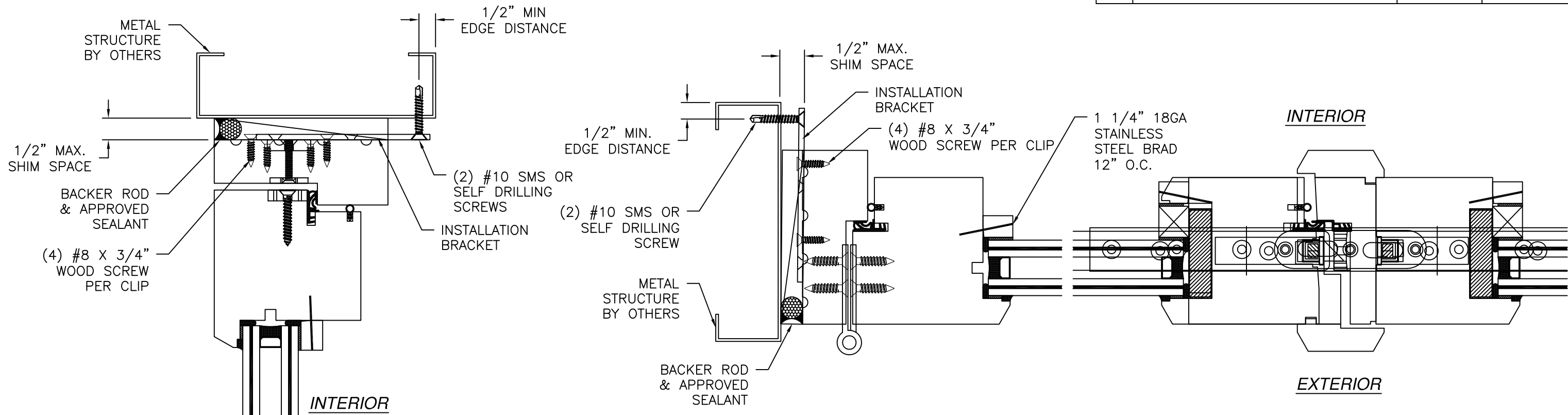
SHEET
4 OF 10

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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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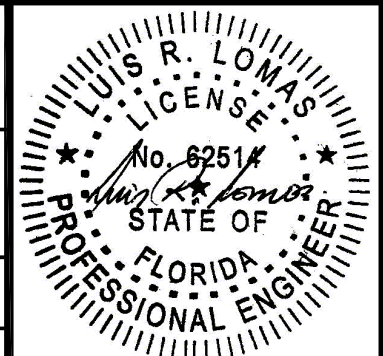
REILLY WINDOWS & DOORS

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120" X 120" – IMPACT
INSTALLATION DETAILS W/BRACKET

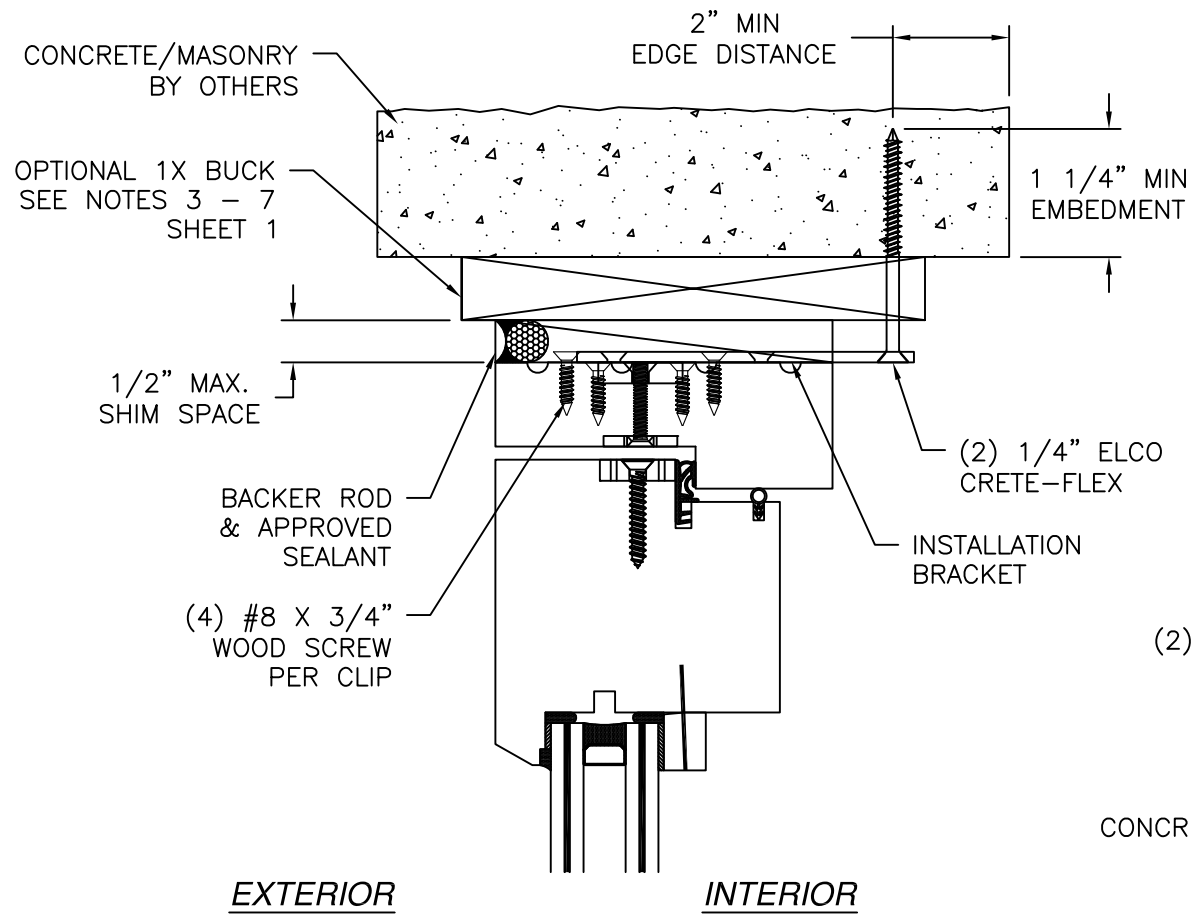
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SCALE NTS	DATE 01/31/17	SHEET 5 OF 10

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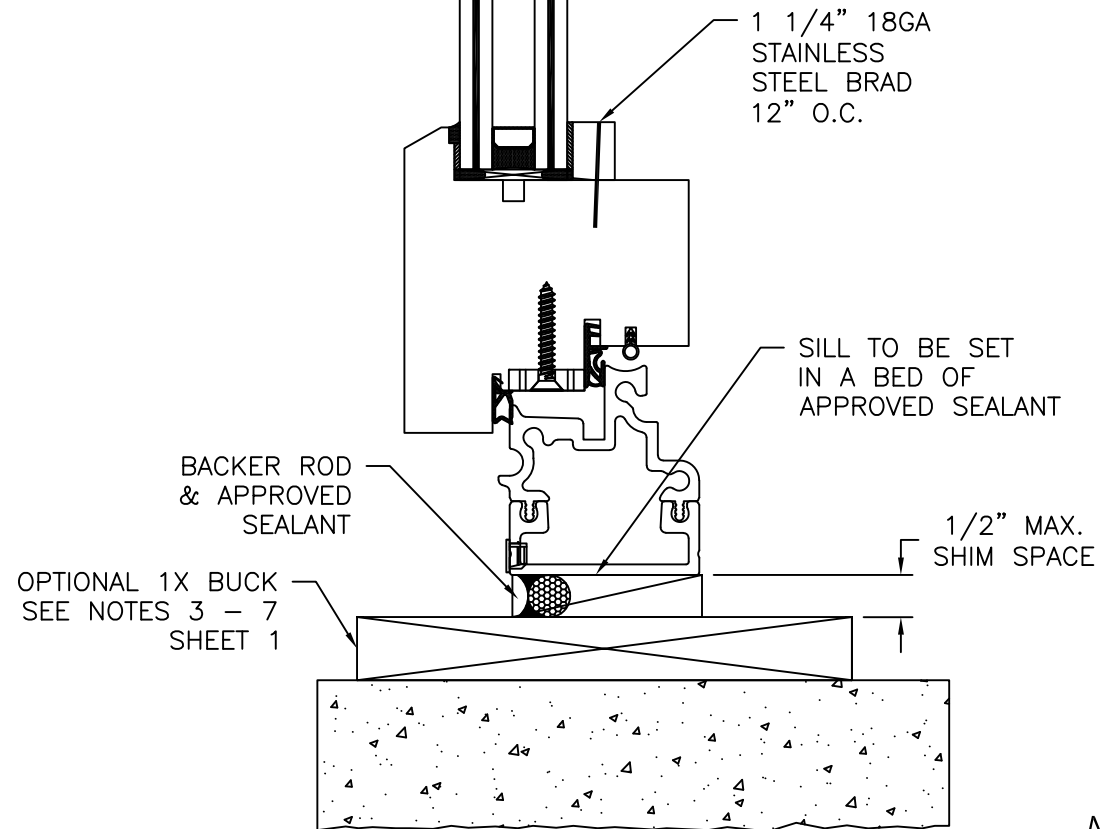
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



EXTERIOR

INTERIOR



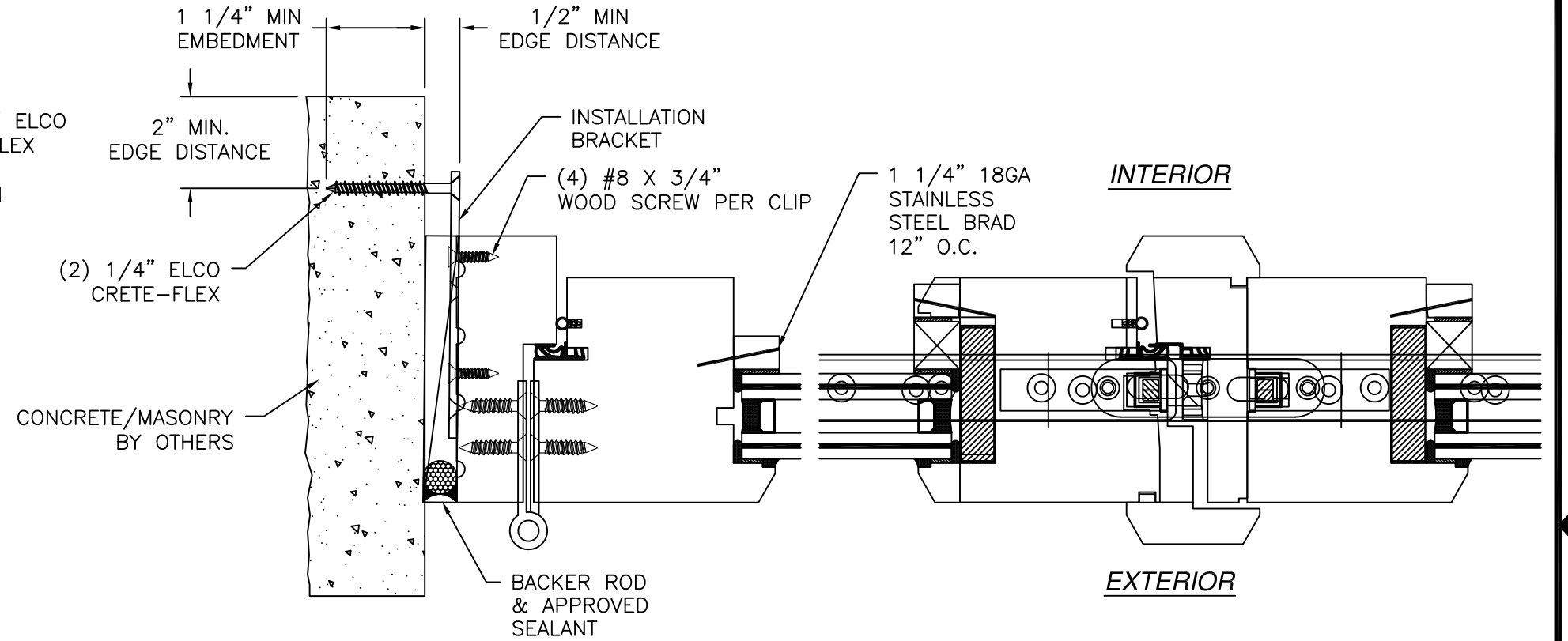
VERTICAL CROSS SECTION

CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL

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INTERIOR

EXTERIOR

JAMB INSTALLATION DETAIL

CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

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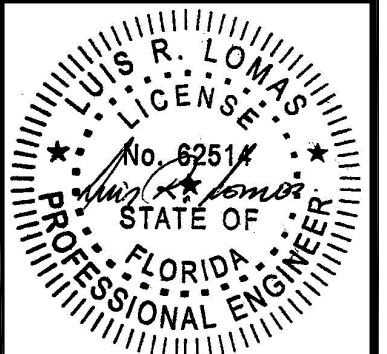
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120" X 120" - IMPACT
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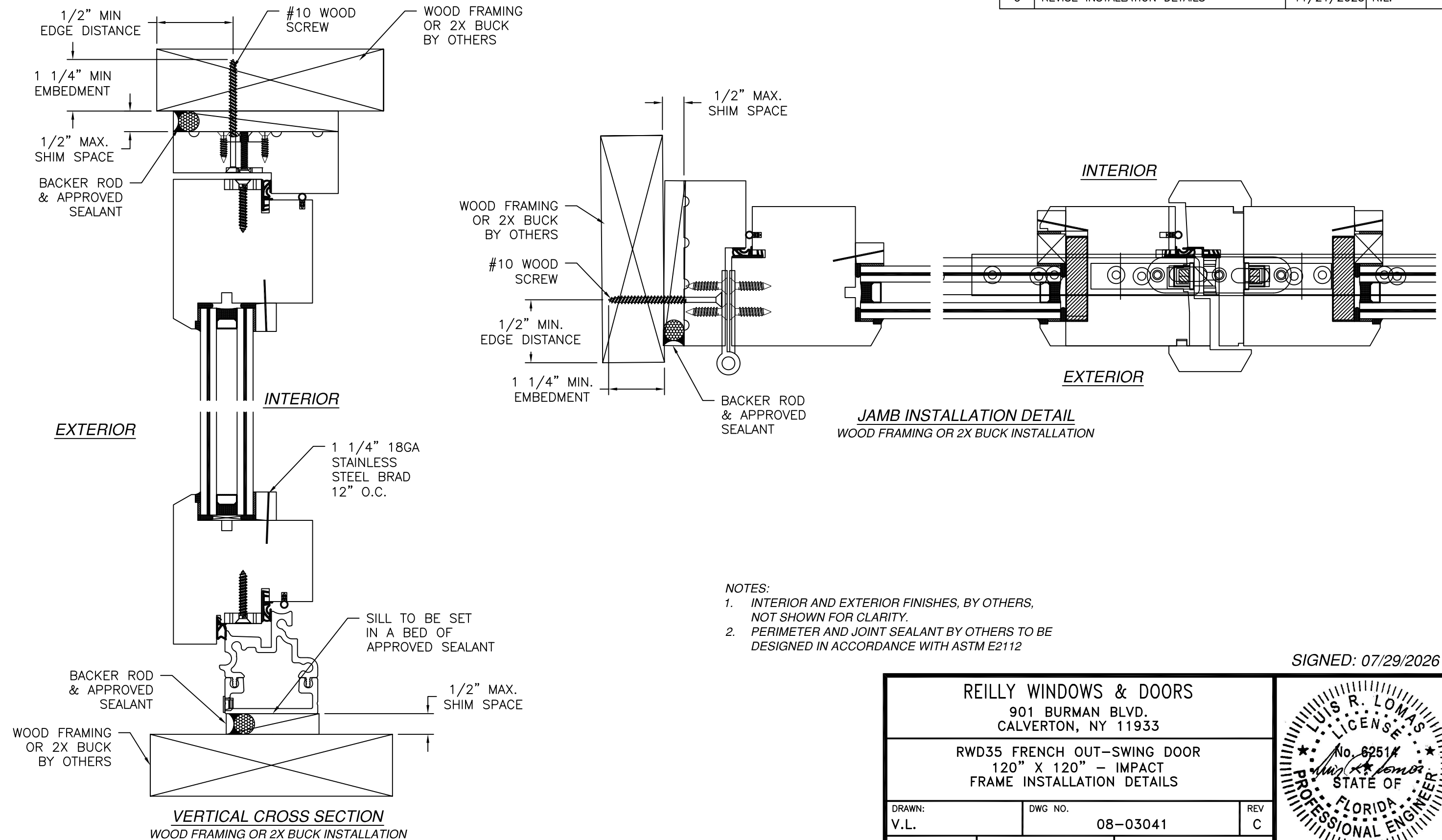
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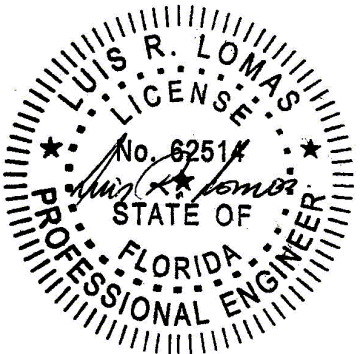
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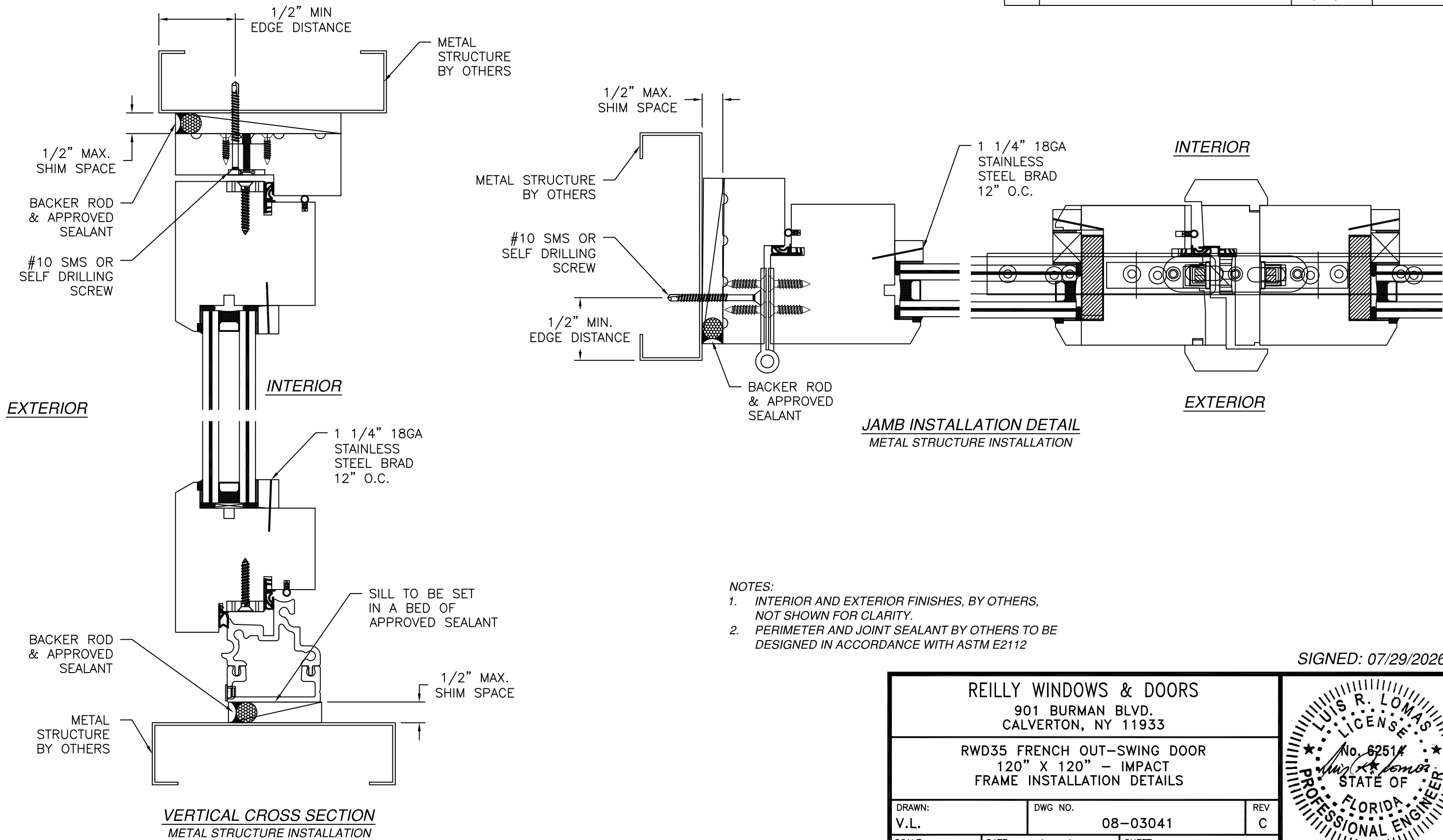
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REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD35 FRENCH OUT-SWING DOOR 120" X 120" - IMPACT FRAME INSTALLATION DETAILS		
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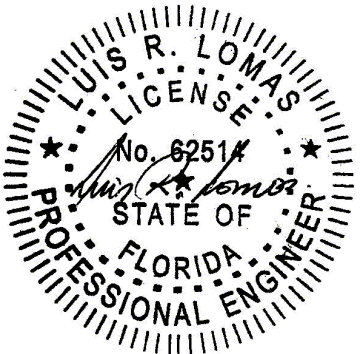
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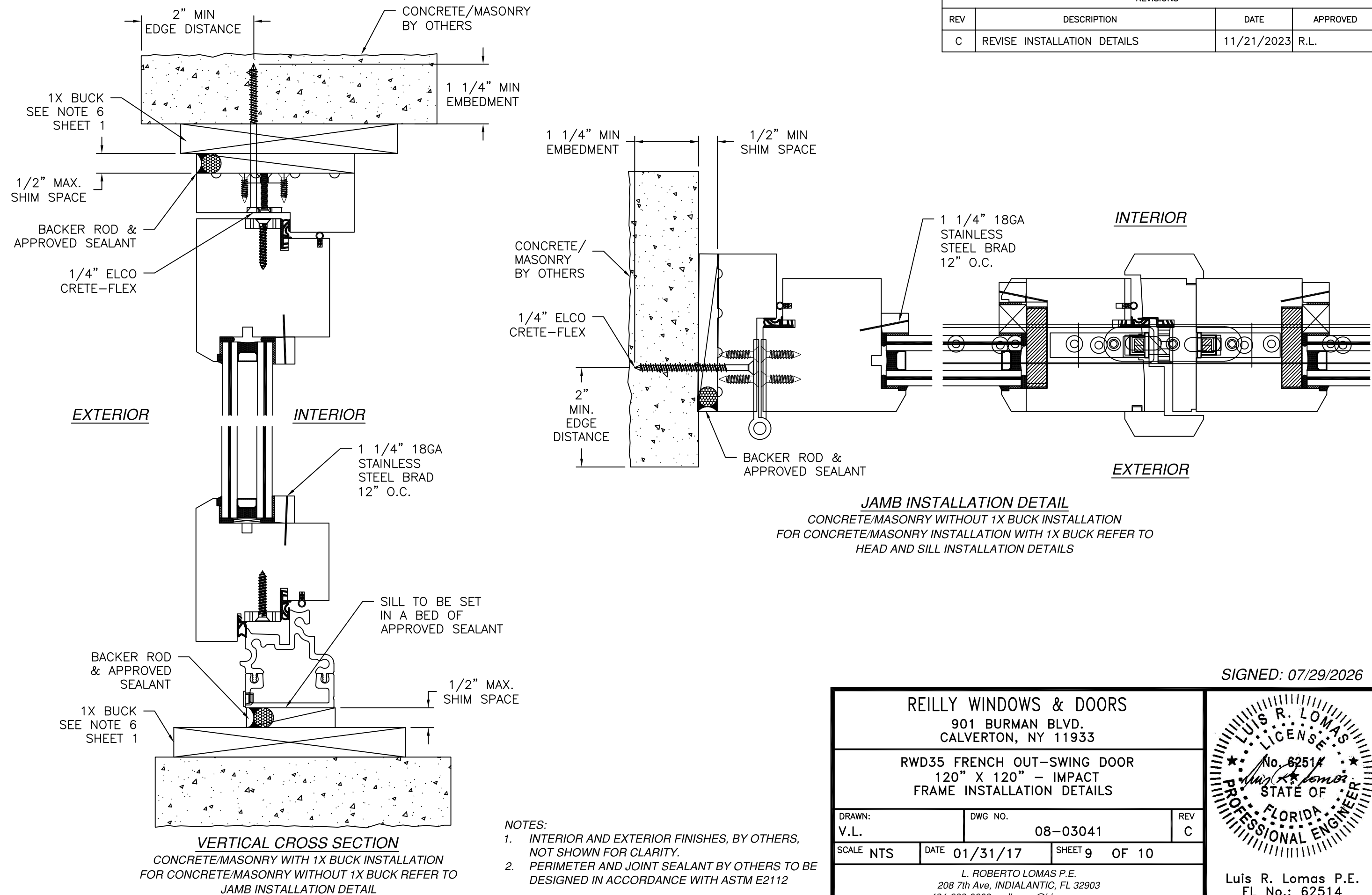
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RWD35 FRENCH OUT-SWING DOOR 120" X 120" - IMPACT FRAME INSTALLATION DETAILS		
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RWD35 FRENCH OUT-SWING DOOR
120" X 120" – IMPACT
FRAME INSTALLATION DETAILS

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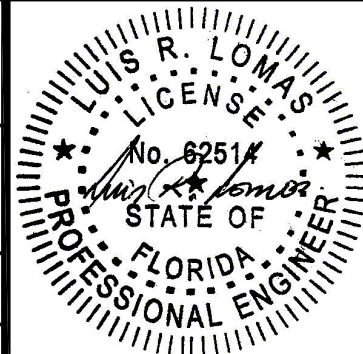
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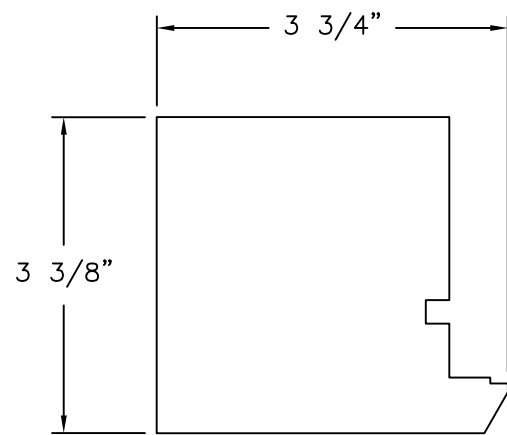
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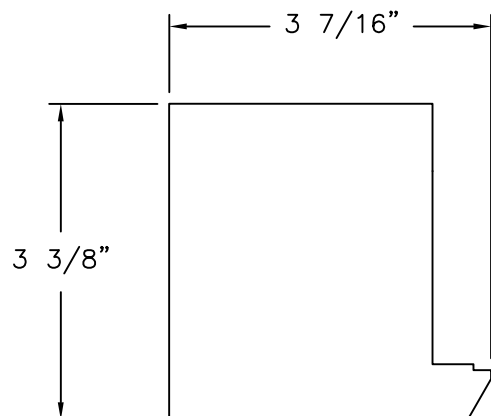
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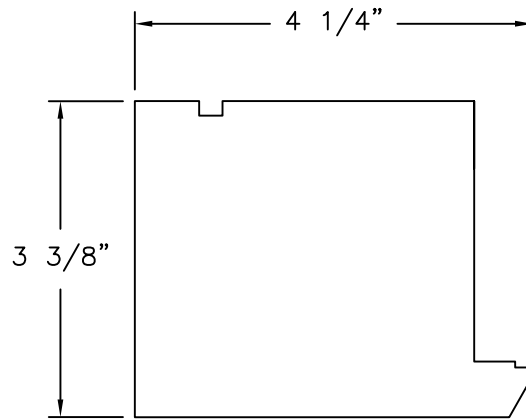
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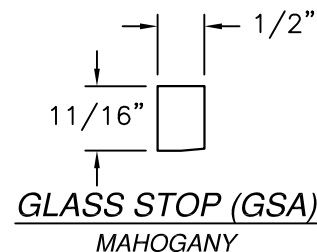
STILE & RAIL (B3.12)
MAHOGANY



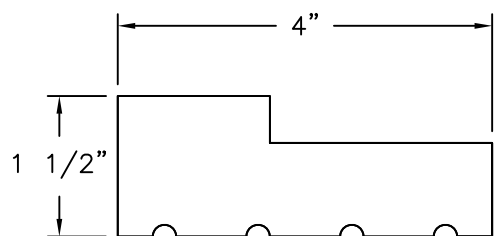
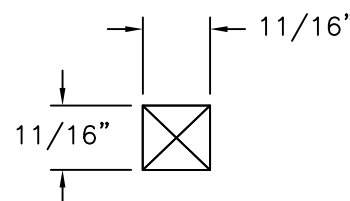
MEETING RAIL - RIGHT (B2.81)
MAHOGANY



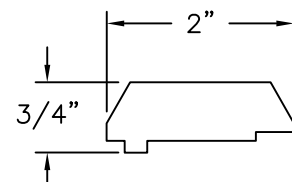
MEETING RAIL - LEFT (B3.62)
MAHOGANY



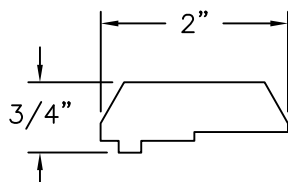
GLASS STOP BLOCK (BL1)
MAHOGANY



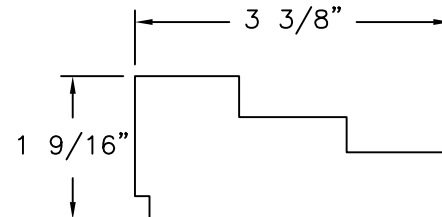
VERTICAL/HORIZONTAL JAMB (J4)
MAHOGANY



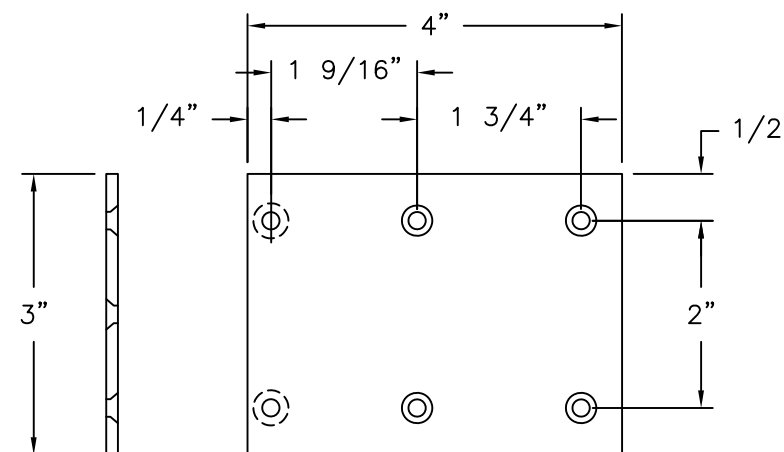
EXTERIOR ASTRAGAL (AS2)
MAHOGANY



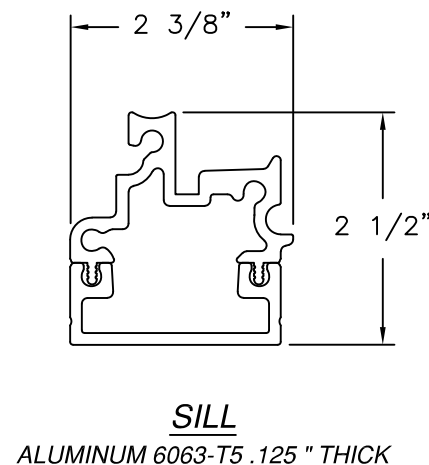
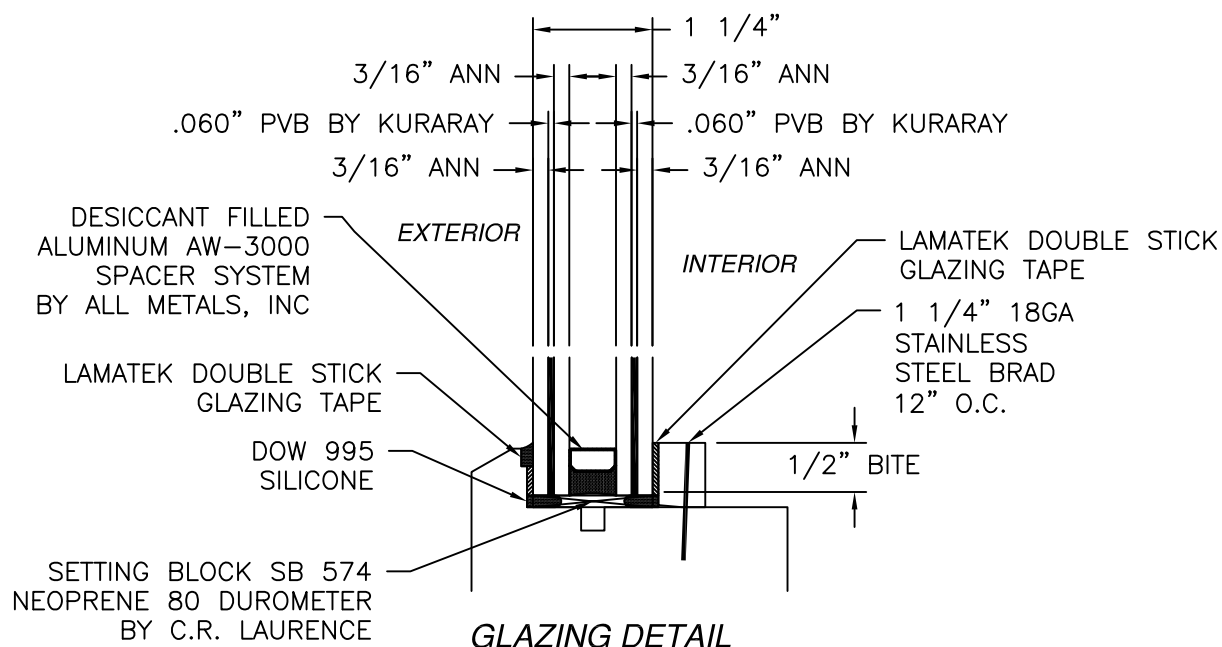
INTERIOR ASTRAGAL (AS2A)
MAHOGANY



INACTIVE ASTRAGAL (AS3.3)
MAHOGANY



INSTALLATION BRACKET
ALUMINUM 6063-T5 .125" THICK



REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 FRENCH OUT-SWING DOOR
120" X 120" - IMPACT
GLAZING DETAIL AND COMPONENTS

DRAWN:
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DWG NO.

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REV
C

SCALE NTS

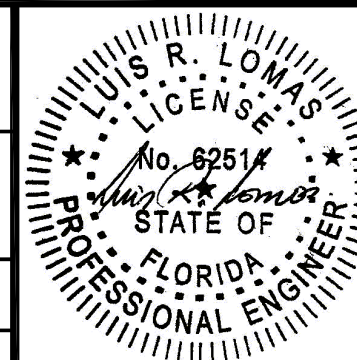
DATE

01/31/17

SHEET 10 OF 10

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/29/2026



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