

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

RWD35 FRENCH IN–SWING DOOR
IMPACT
NOTES

DRAWN:
R.L.

DWG NO.
08–03984

REV
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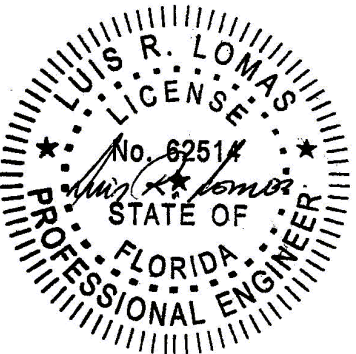
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DATE 11/14/23

SHEET 1 OF 11

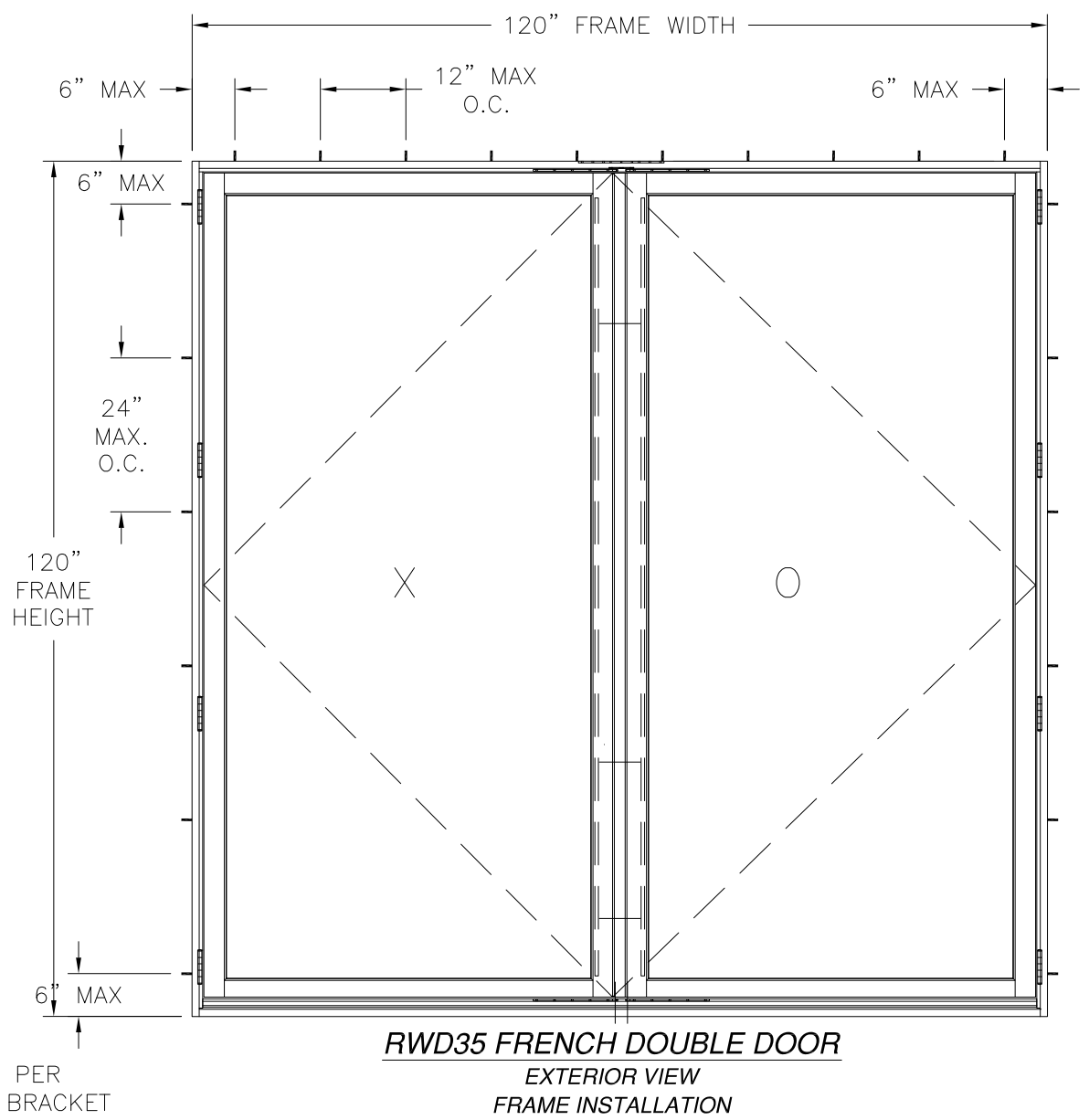
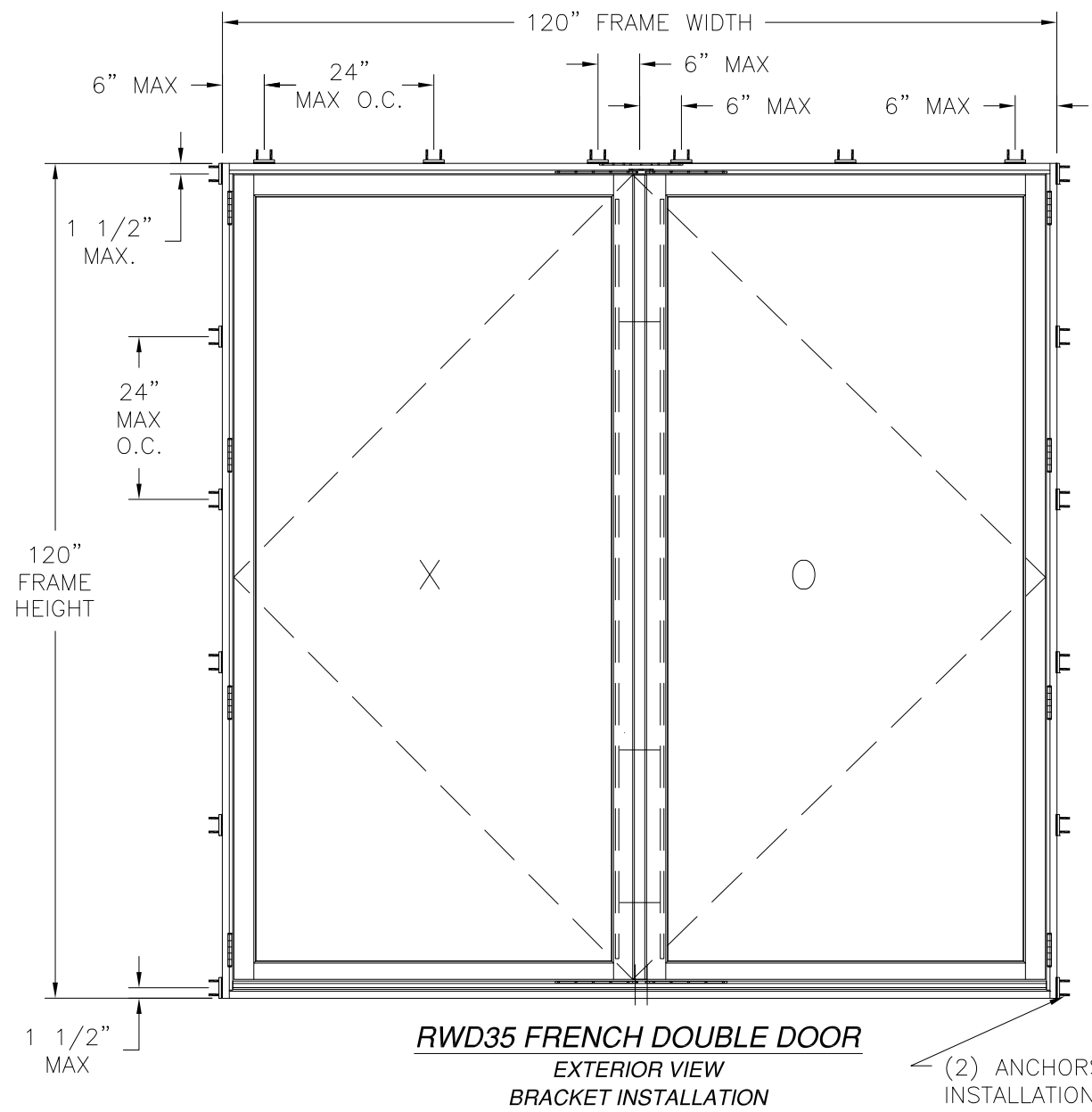
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SIGNED: 11/27/2023



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

REVISIONS			
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WITH BRONZE SILL & GLASS A

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

MISSILE LEVEL D, WIND ZONE 4
FOR ADDITIONAL SIZES SEE CHART #1 & #2

WITH BRONZE SILL & GLASS B

DESIGN PRESSURE RATING	IMPACT RATING
±33.8PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4
FOR ADDITIONAL SIZES SEE CHART #3 & #4

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

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

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

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

RWD35 FRENCH IN-SWING DOOR
IMPACT
DOUBLE DOOR ELEVATION

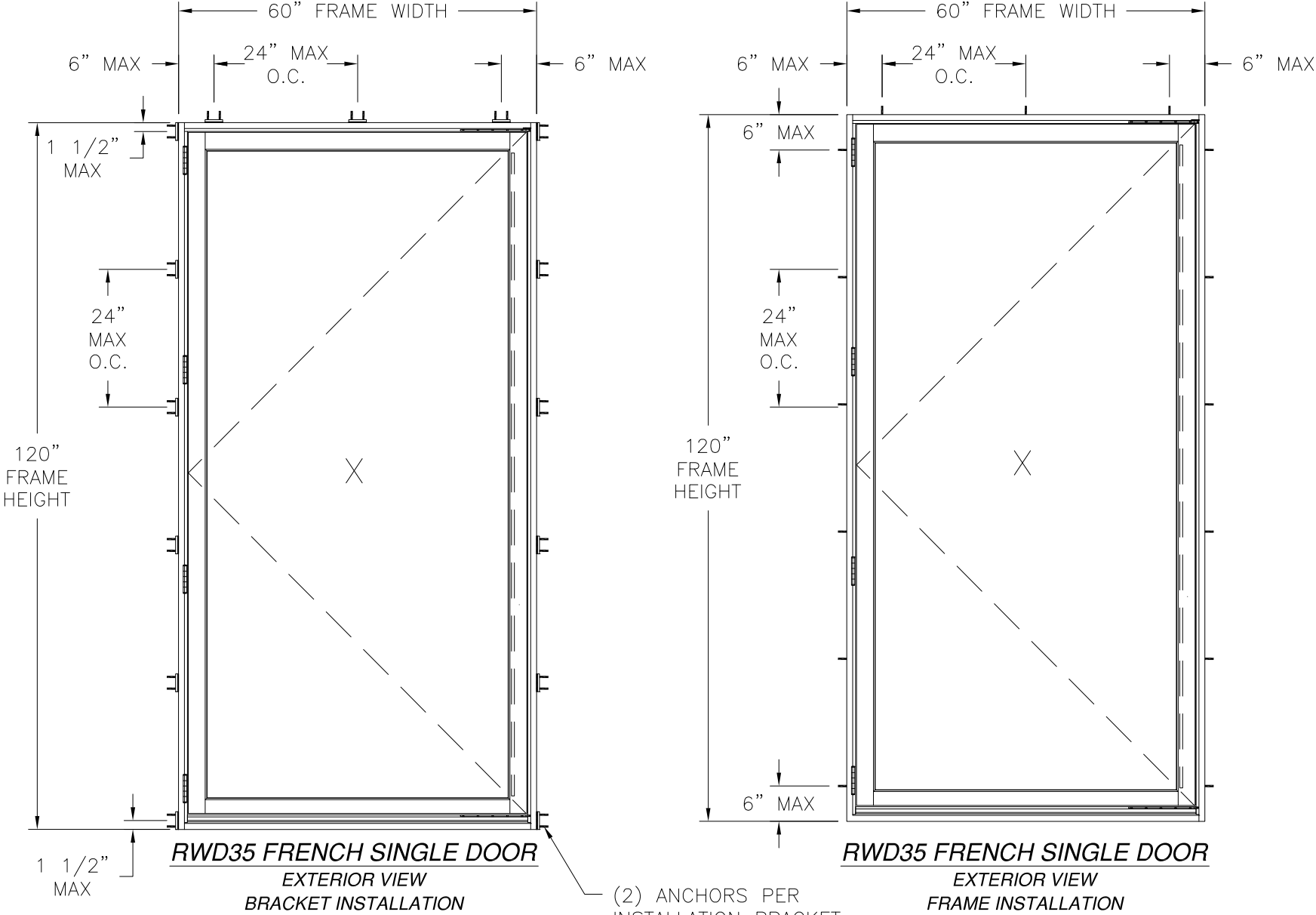
DRAWN: R.L.	DWG NO. 08-03984	REV -
SCALE NTS	DATE 11/14/23	SHEET 2 OF 11

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HARDWARE SCHEDULE	
A.	(8) 4.5" X 4.5" MERIT BUTTON TOP HINGES 35 1/2" O.C.
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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 FRENCH IN-SWING DOOR
IMPACT
SINGLE DOOR ELEVATION

DRAWN:
R.L.

DWG NO.
08-03984

REV
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SHEET 3 OF 11

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Chart #1															
Ratings for double door with bronze sill and glass A (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	

Chart #2															
Ratings for single door with bronze sill and glass A (psf)															
Frame Height (in)	Panel width (in)														
	24.0		30.0		36.0		42.0		48.0		54.0		58.75		
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	
80.0	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	
84.0	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	
90.0	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	
96.0	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	
102.0	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	
108.0	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	
114.0	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	
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	

Chart #3															
Ratings for double door with bronze sill and glass B (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	53.9	53.9	49.5	49.5	
84.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	51.3	51.3	47.2	47.2	
90.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.9	53.9	47.9	47.9	44.0	44.0	
96.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.5	50.5	44.9	44.9	41.3	41.3	
102.00	55.0	55.0	55.0	55.0	55.0	55.0	54.3	54.3	47.5	47.5	42.3	42.3	38.8	38.8	
108.00	55.0	55.0	55.0	55.0	55.0	55.0	51.3	51.3	44.9	44.9	39.9	39.9	36.7	36.7	
114.00	55.0	55.0	55.0	55.0	55.0	55.0	48.6	48.6	42.5	42.5	37.8	37.8	34.8	34.8	
117.28	55.0	55.0	55.0	55.0	55.0	55.0	47.3	47.3	41.3	41.3	36.8	36.8	33.8	33.8	

Chart #4															
Ratings for single door with bronze sill and glass B (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	53.9	53.9	49.5	49.5	
84.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	51.3	51.3	47.2	47.2	
90.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.9	53.9	47.9	47.9	44.0	44.0	
96.00	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.5	50.5	44.9	44.9	41.3	41.3	
102.00	55.0	55.0	55.0	55.0	55.0	55.0	54.3	54.3	47.5	47.5	42.3	42.3	38.8	38.8	
108.00	55.0	55.0	55.0	55.0	55.0	55.0	51.3	51.3	44.9	44.9	39.9	39.9	36.7	36.7	
114.00	55.0	55.0	55.0	55.0	55.0	55.0	48.6	48.6	42.5	42.5	37.8	37.8	34.8	34.8	
117.28	55.0	55.0	55.0	55.0	55.0	55.0	47.3	47.3	41.3	41.3	36.8	36.8	33.8	33.8	

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REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 FRENCH IN-SWING DOOR
IMPACT
DESIGN PRESSURE CHARTS

DRAWN:
R.L.

DWG NO.
08-03984

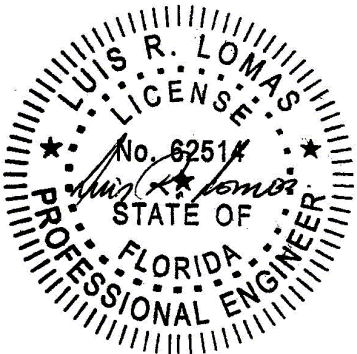
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SCALE NTS

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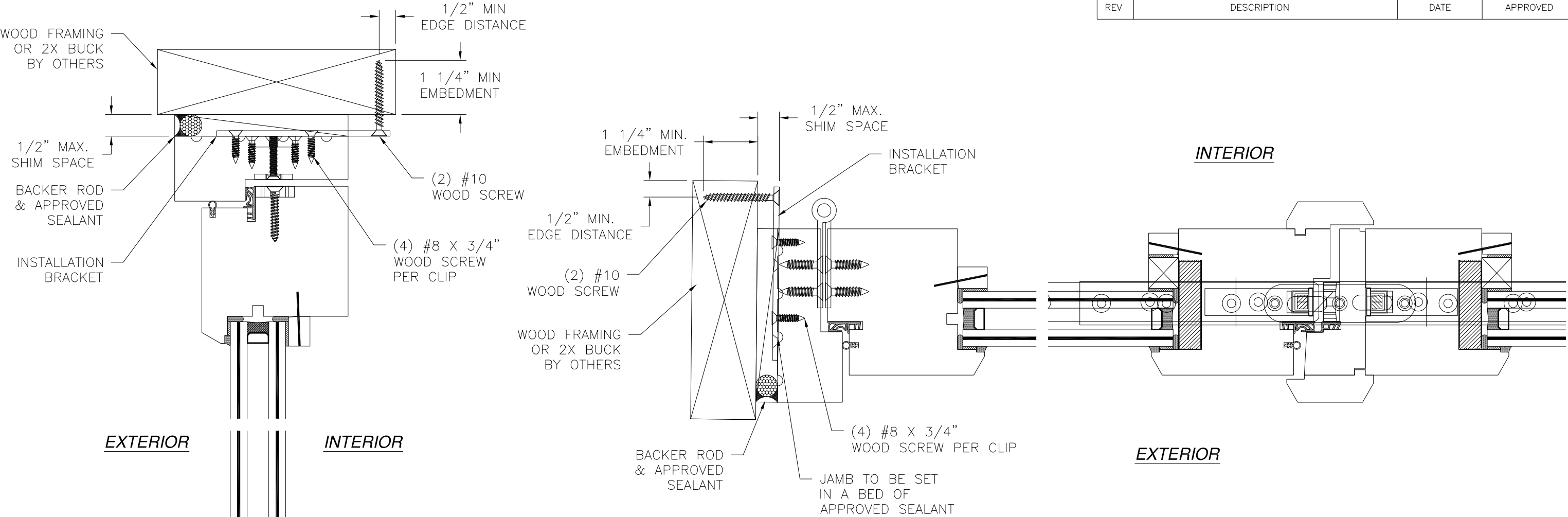
SHEET 4 OF 11

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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

SIGNED: 11/27/2023

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

RWD35 FRENCH IN-SWING DOOR
IMPACT
INSTALLATION DETAILS W/BRACKET

DRAWN:
R.L.

DWG NO.
08-03984

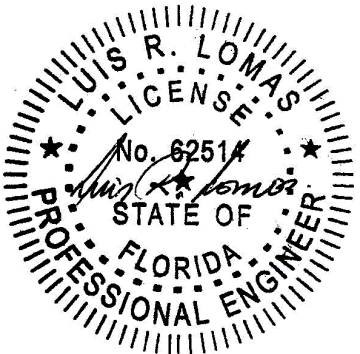
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SCALE
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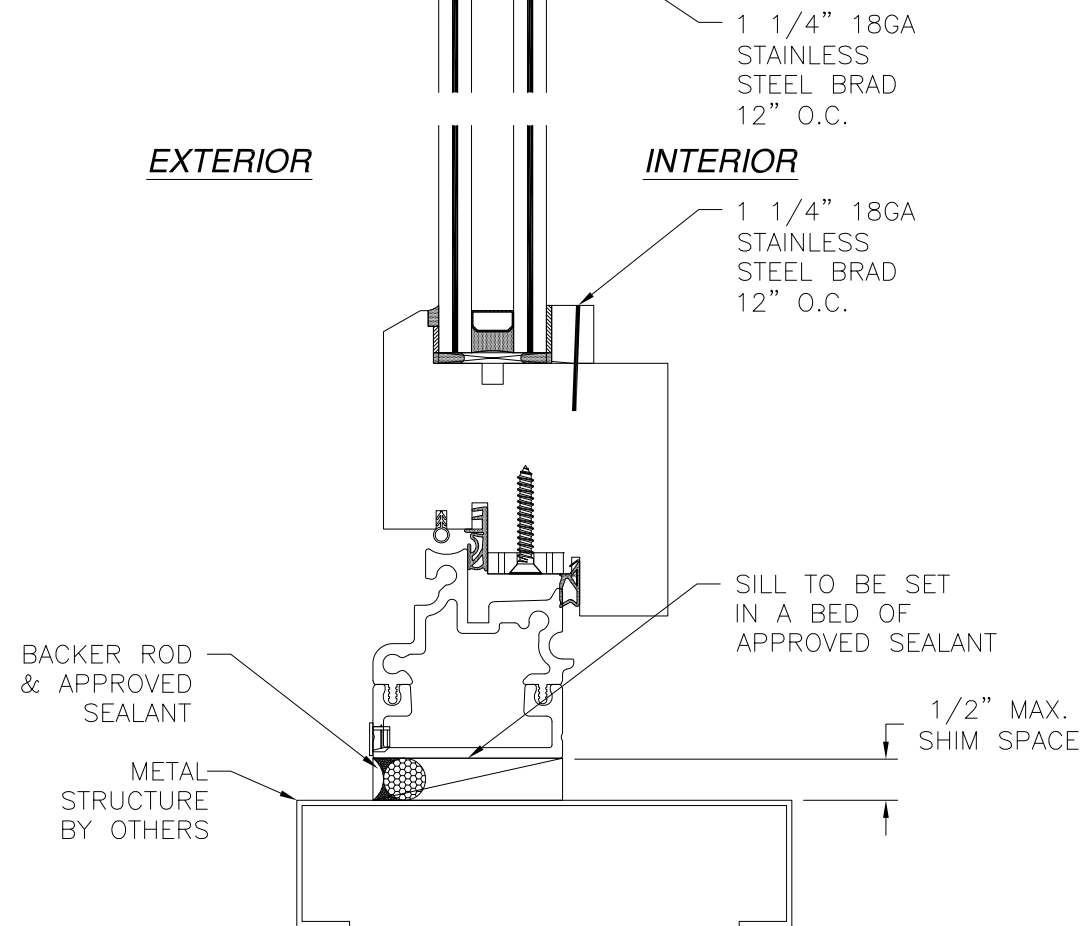
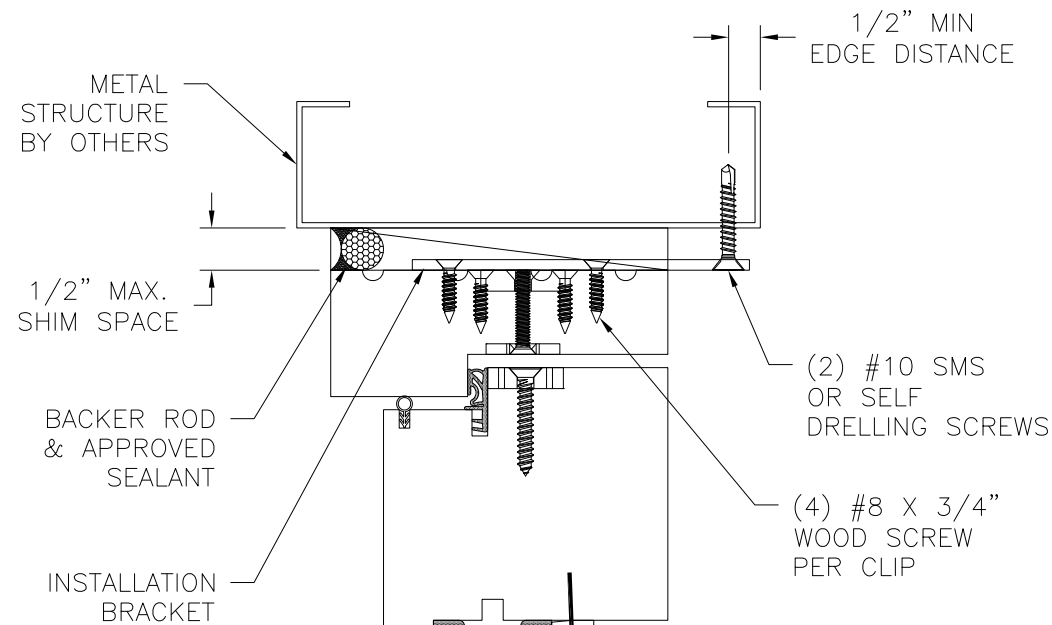
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SHEET
5 OF 11

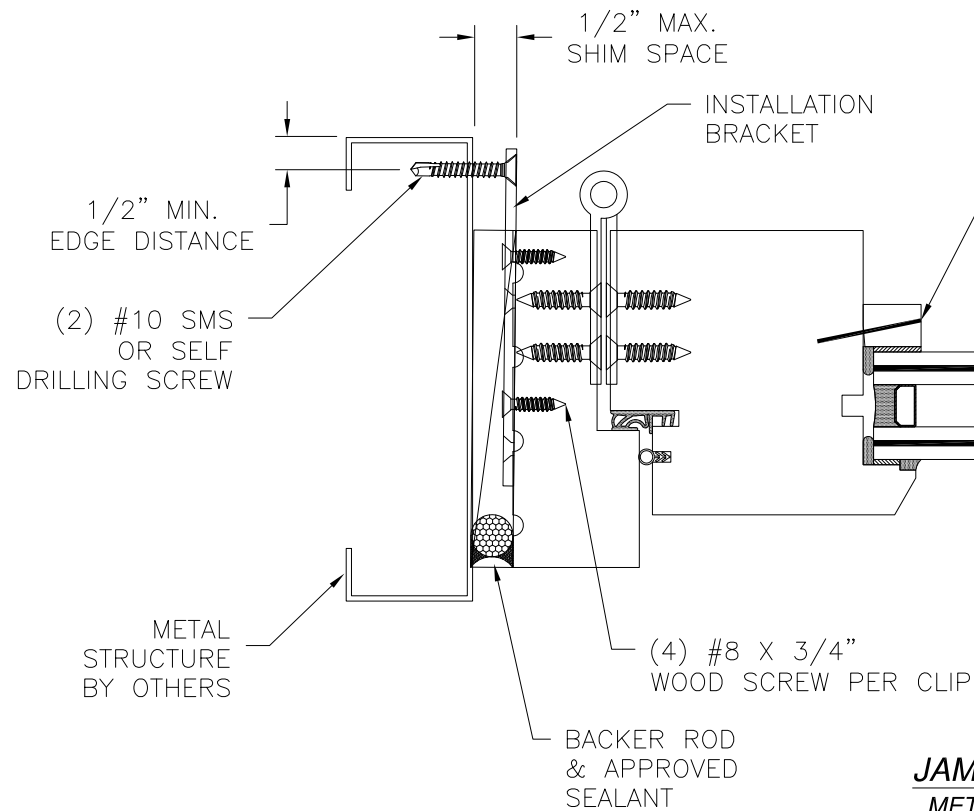
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



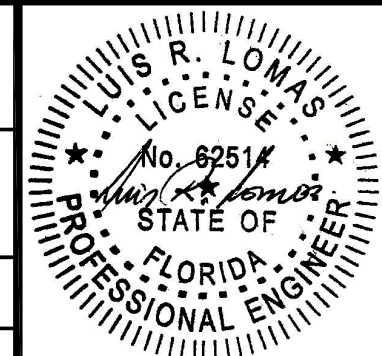
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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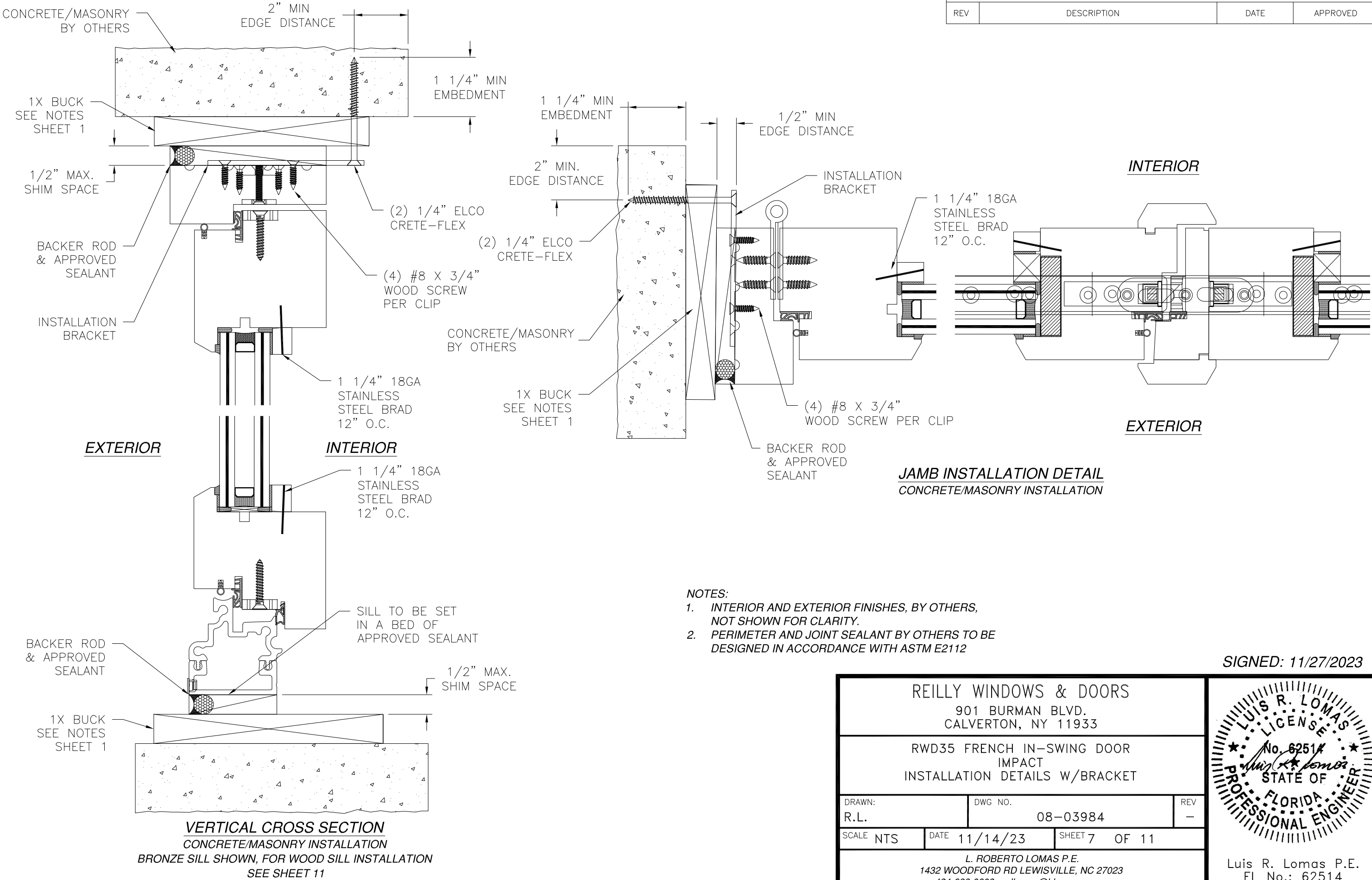
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REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD35 FRENCH IN-SWING DOOR IMPACT INSTALLATION DETAILS W/BACKET		
DRAWN: R.L.	DWG NO. 08-03984	REV -
SCALE NTS	DATE 11/14/23	SHEET 6 OF 11
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



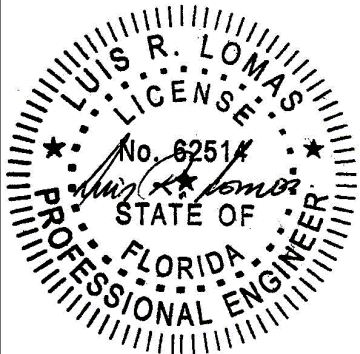
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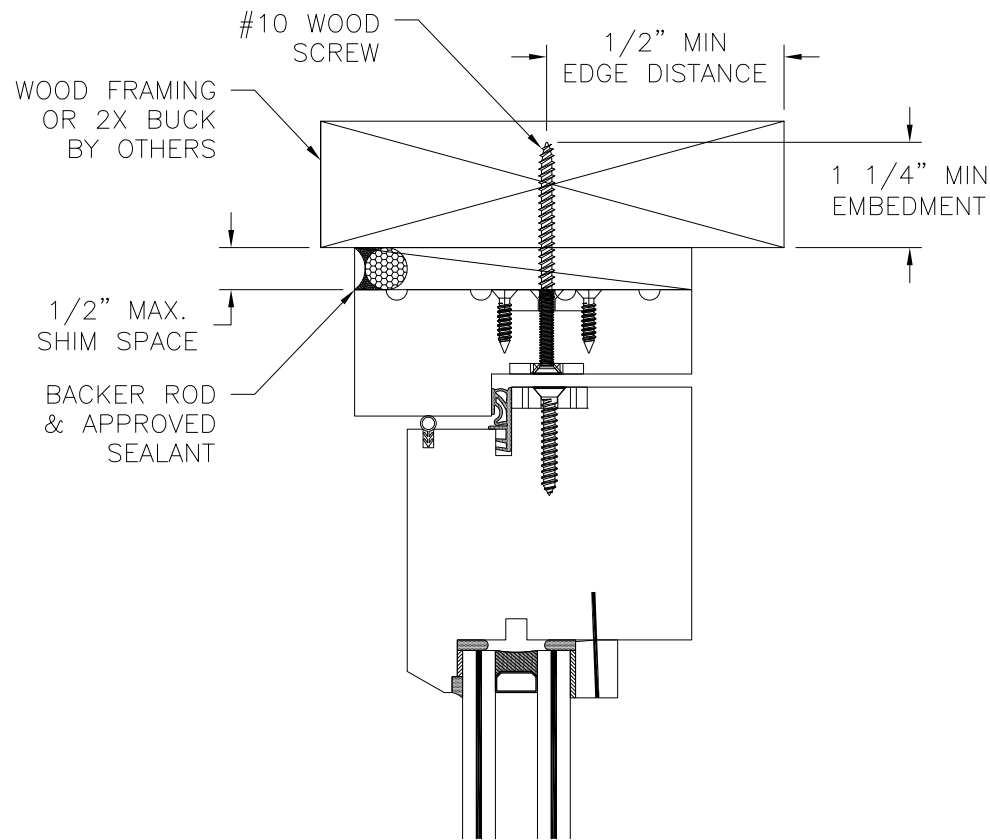


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RWD35 FRENCH IN-SWING DOOR IMPACT INSTALLATION DETAILS W/BRACKET		
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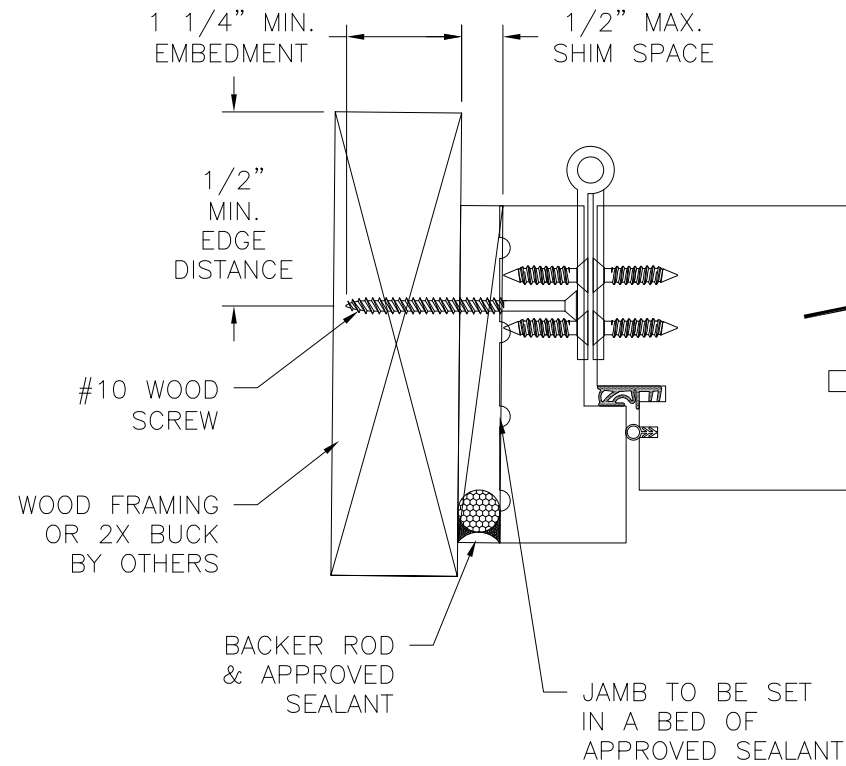


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EXTERIOR

INTERIOR



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

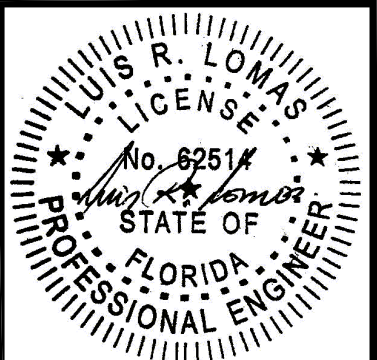
REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 FRENCH IN-SWING DOOR
IMPACT
FRAME INSTALLATION DETAILS

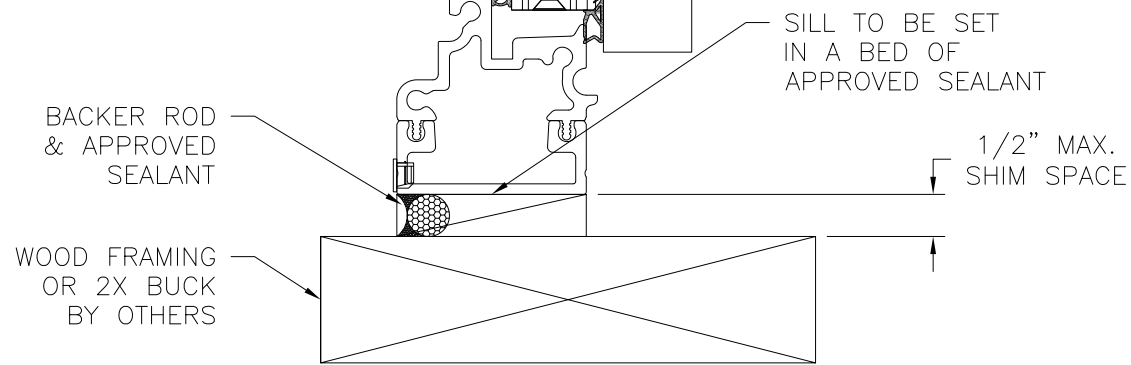
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SCALE NTS	DATE 11/14/23	SHEET 8 OF 11

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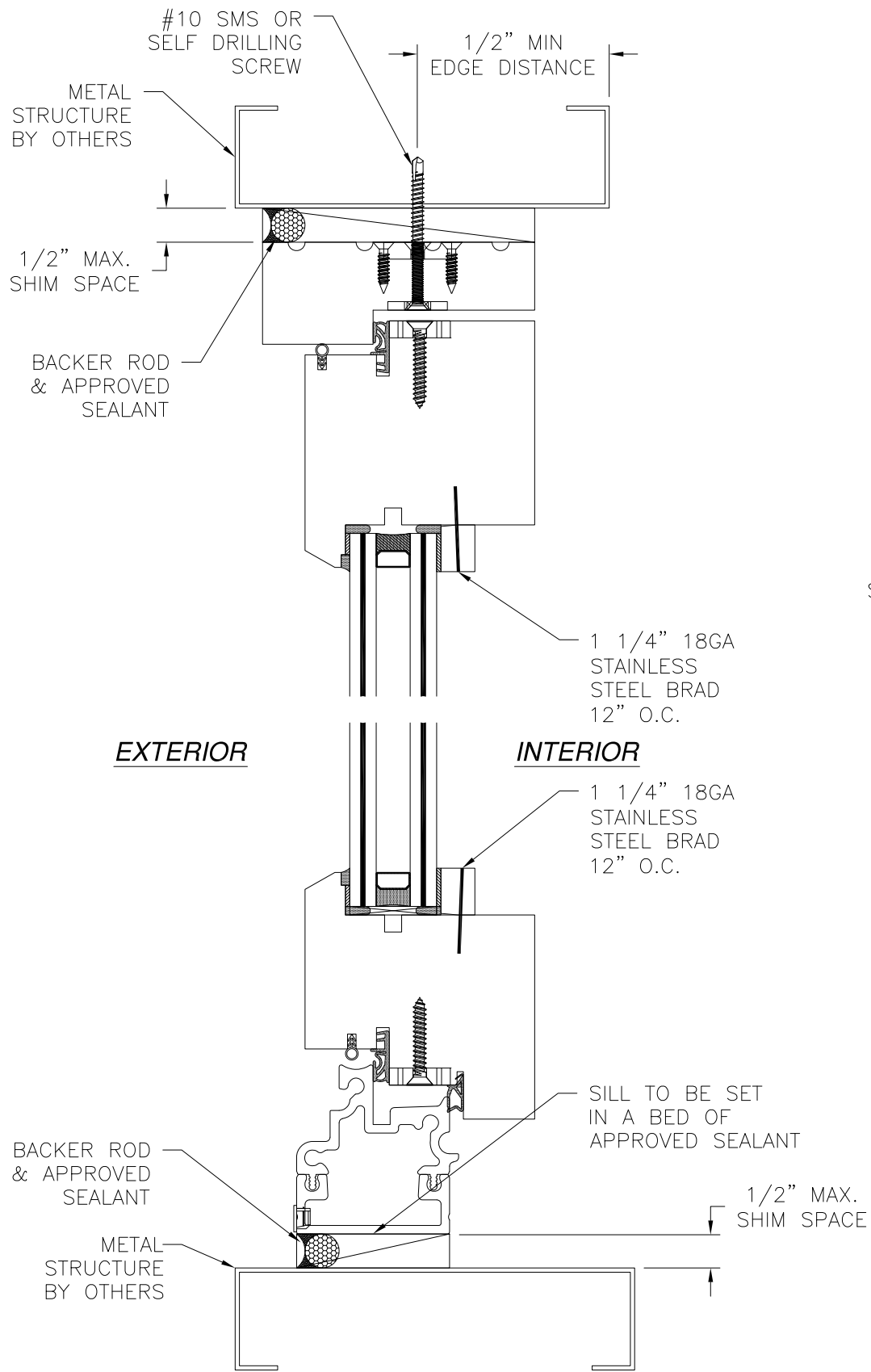
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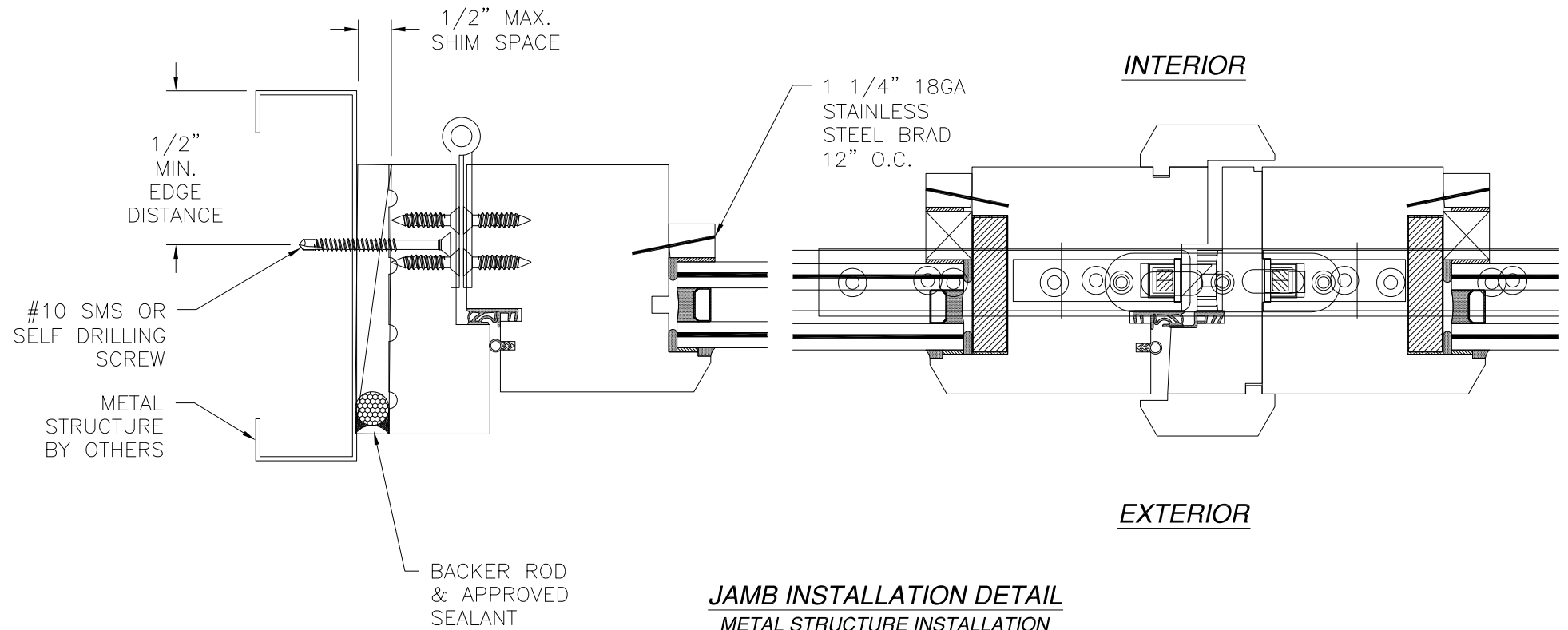
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:

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REILLY WINDOWS & DOORS

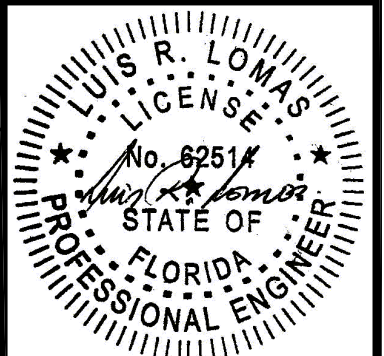
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CALVERTON, NY 11933

RWD35 FRENCH IN-SWING DOOR
IMPACT
FRAME INSTALLATION DETAILS

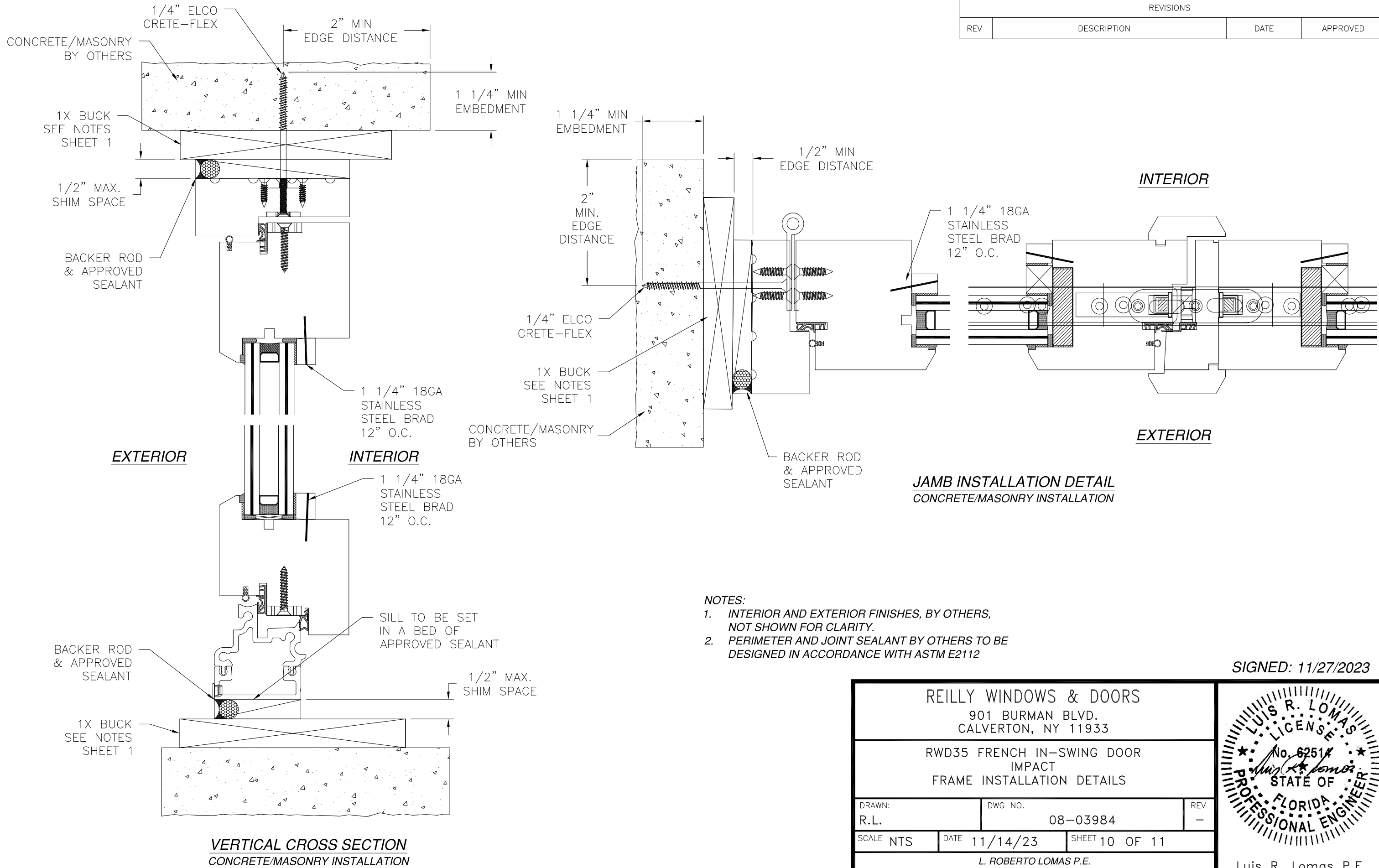
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SCALE NTS	DATE 11/14/23	SHEET 9 OF 11

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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

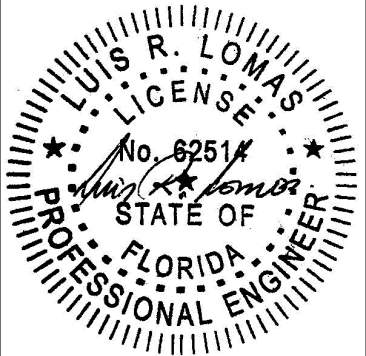
REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 FRENCH IN-SWING DOOR
IMPACT
FRAME INSTALLATION DETAILS

DRAWN: R.L.	DWG NO. 08-03984	REV -
SCALE NTS	DATE 11/14/23	SHEET 10 OF 11

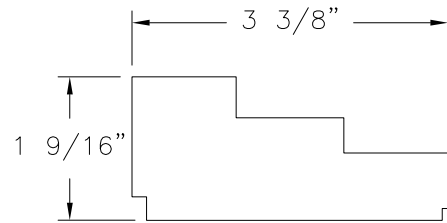
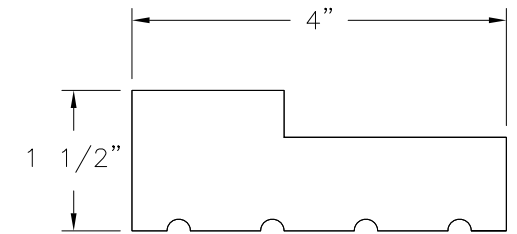
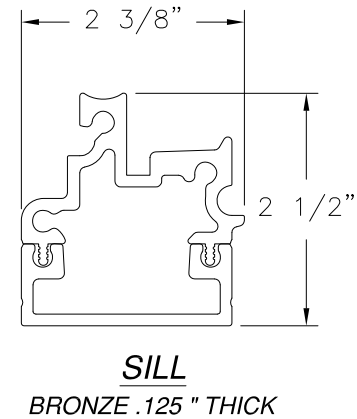
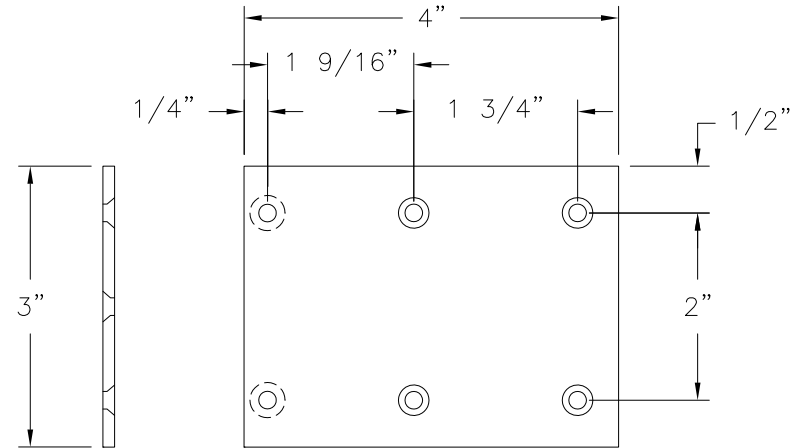
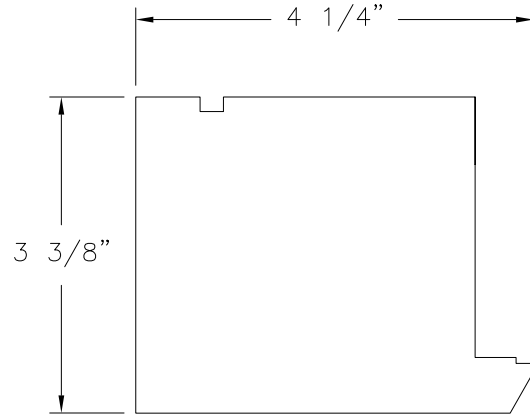
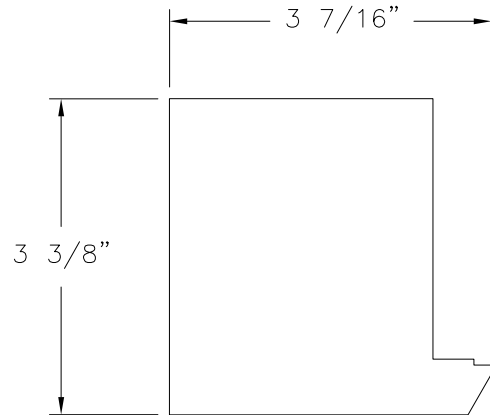
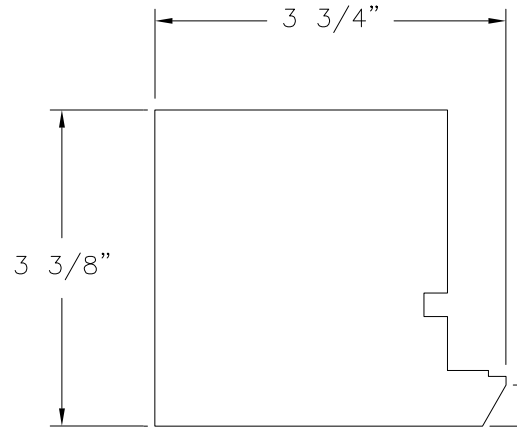
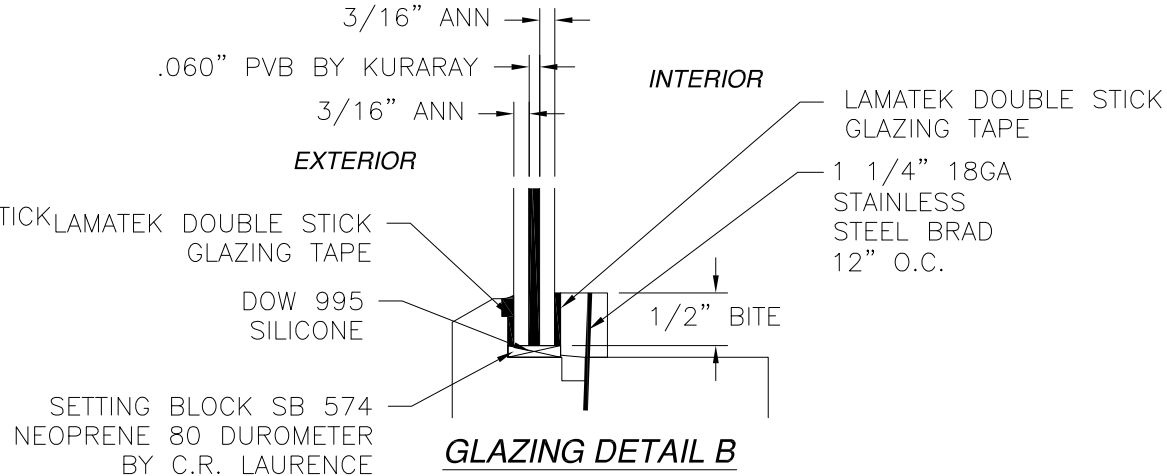
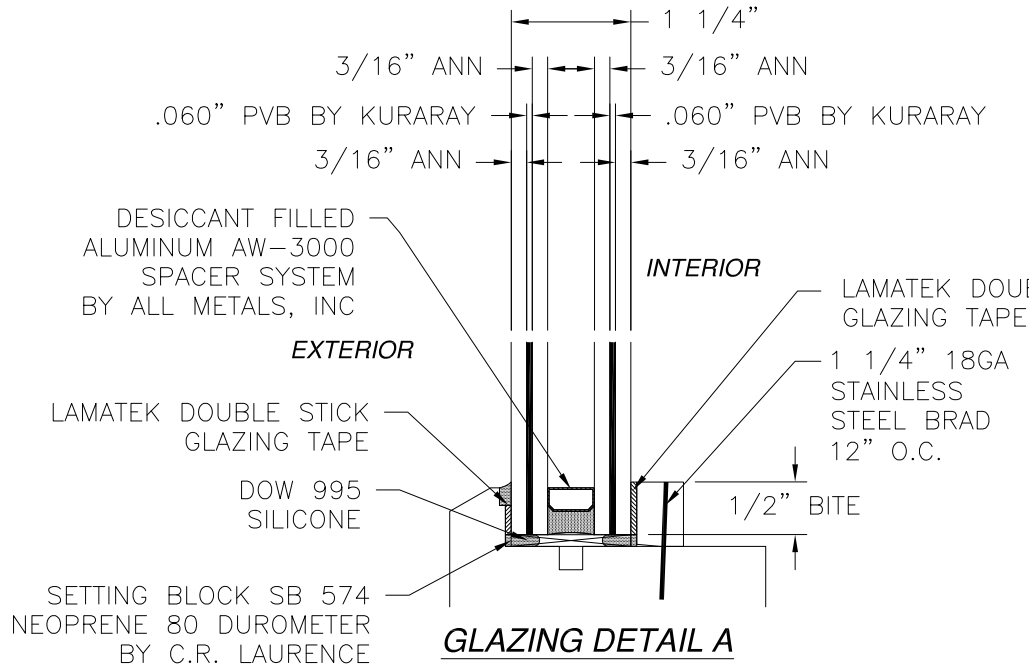
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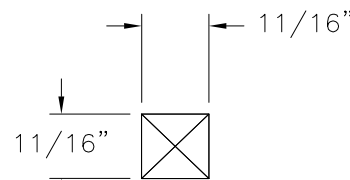
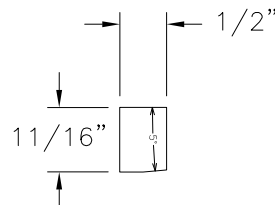
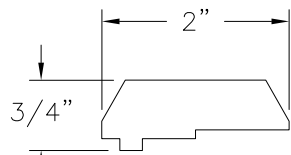
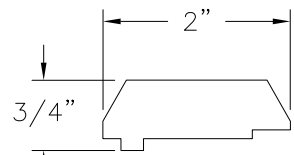
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



VERTICAL/HORIZONTAL JAMB (J4)
MAHOGANY

INACTIVE ASTRAGAL (AS3.3)
MAHOGANY



EXTERIOR ASTRAGAL (AS2)
MAHOGANY

INTERIOR ASTRAGAL (AS2A)
MAHOGANY

GLASS STOP (GSA)
MAHOGANY

GLASS STOP BLOCK (BL1)
MAHOGANY

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

RWD35 FRENCH IN-SWING DOOR
IMPACT
GLAZING DETAIL AND COMPONENTS

DRAWN:
R.L.

DWG NO.
08-03984

REV
-

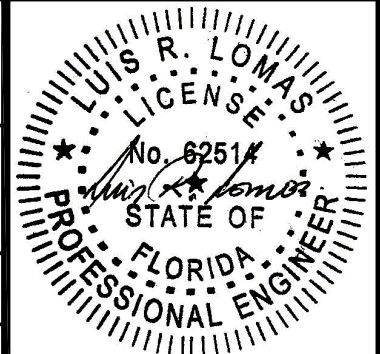
SCALE
NTS

DATE
11/14/23

SHEET
11 OF 11

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