

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED TO ADD INSTALLATION DETAILS	03/03/2021	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. 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 10 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 1/4” 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 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2” 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: 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 .125” THICK MINIMUM.
19. APPROVED CONFIGURATIONS: XX, X.

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SHEET NO.	DESCRIPTION
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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
B

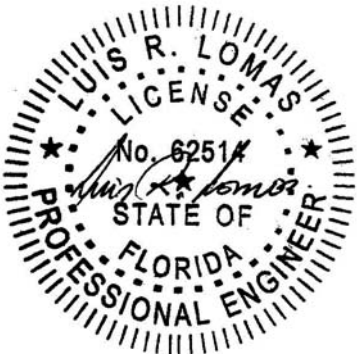
SCALE NTS

DATE 01/31/17

SHEET 1 OF 10

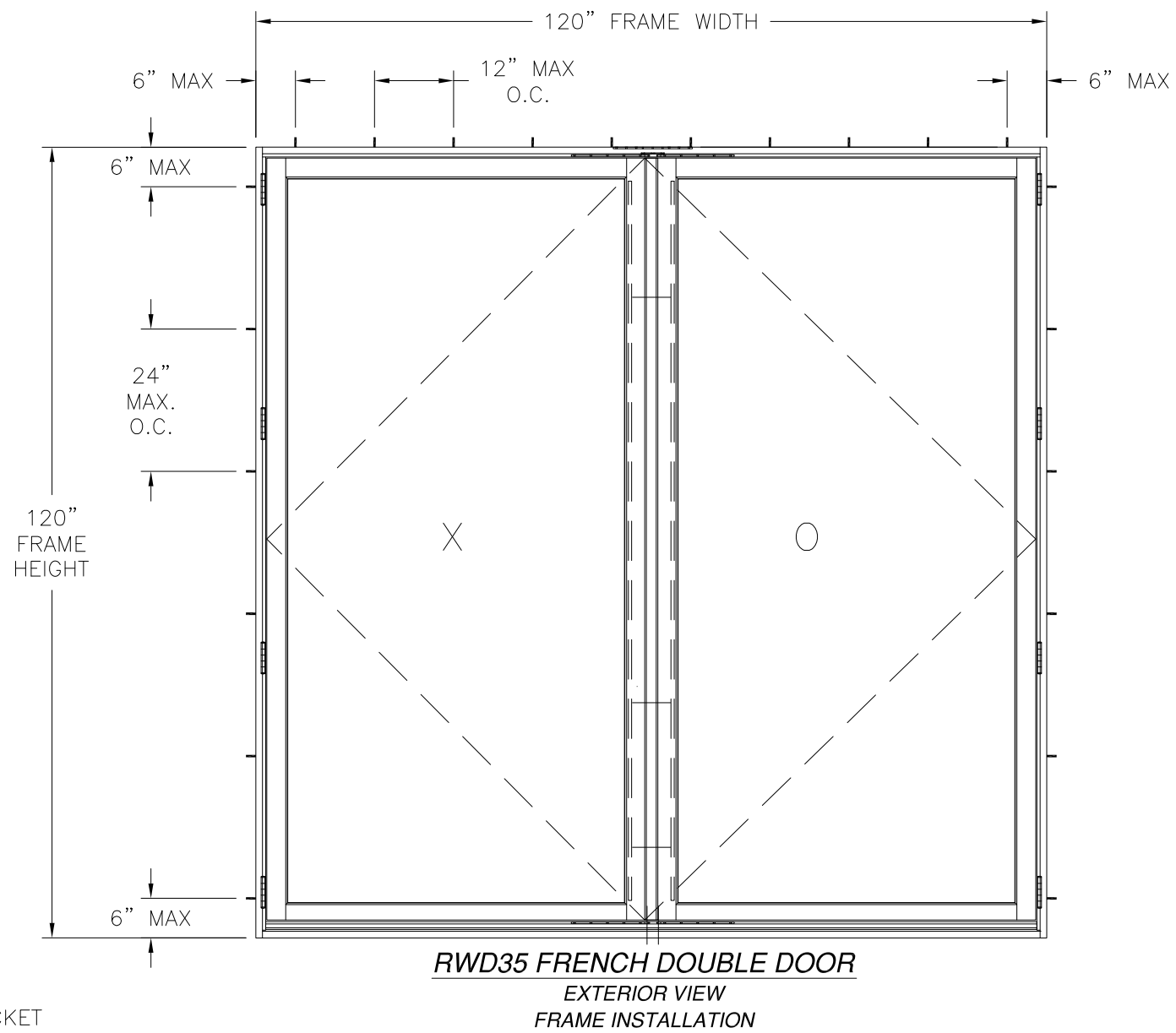
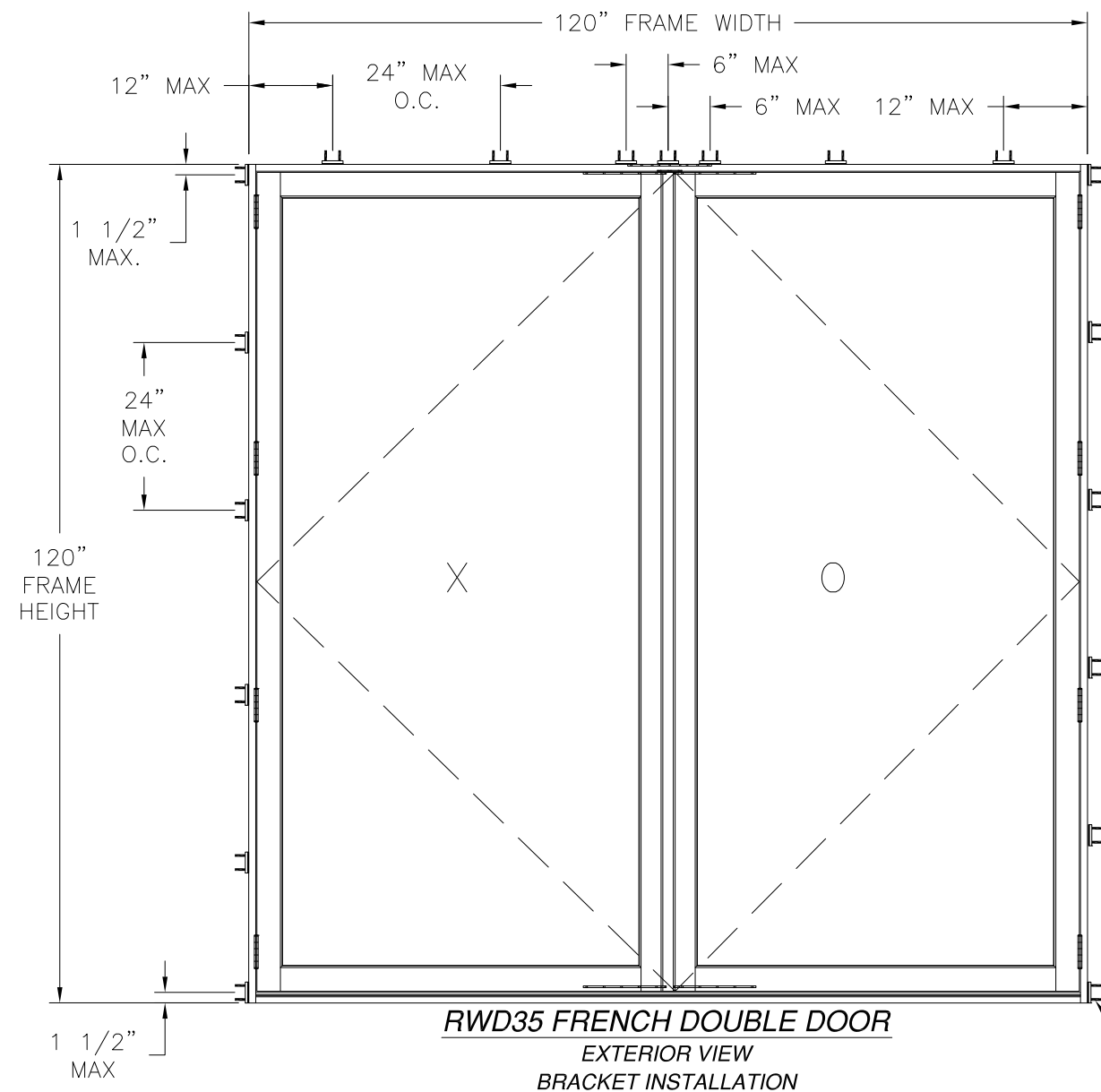
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SIGNED: 05/25/2021



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

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

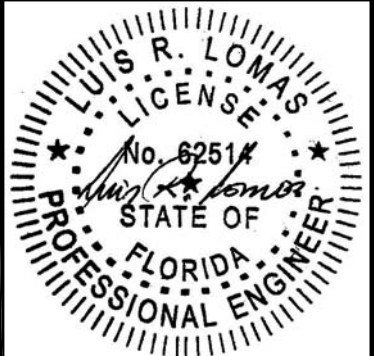
DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

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

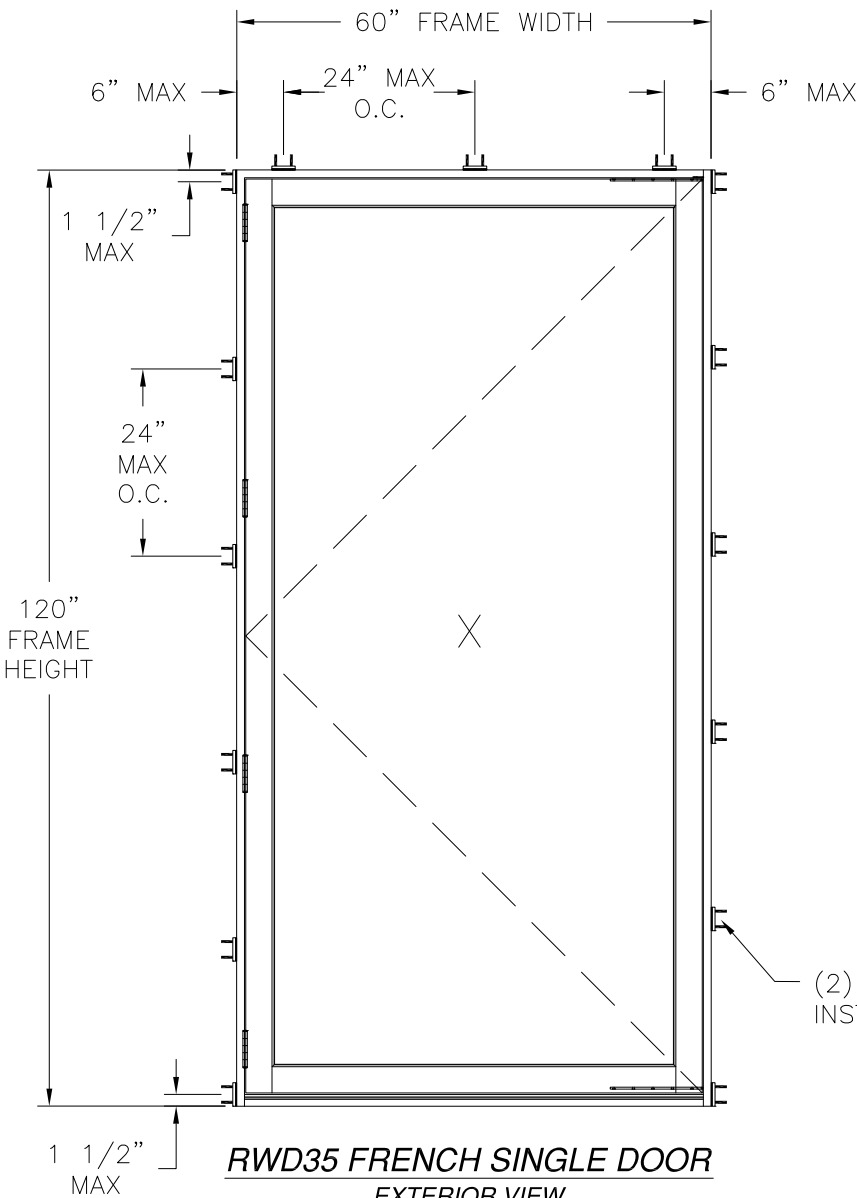
REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD35 FRENCH OUT-SWING DOOR 120" X 120" - IMPACT ELEVATION		
DRAWN: V.L.	DWG NO. 08-03041	REV B
SCALE NTS	DATE 01/31/17	SHEET 2 OF 10
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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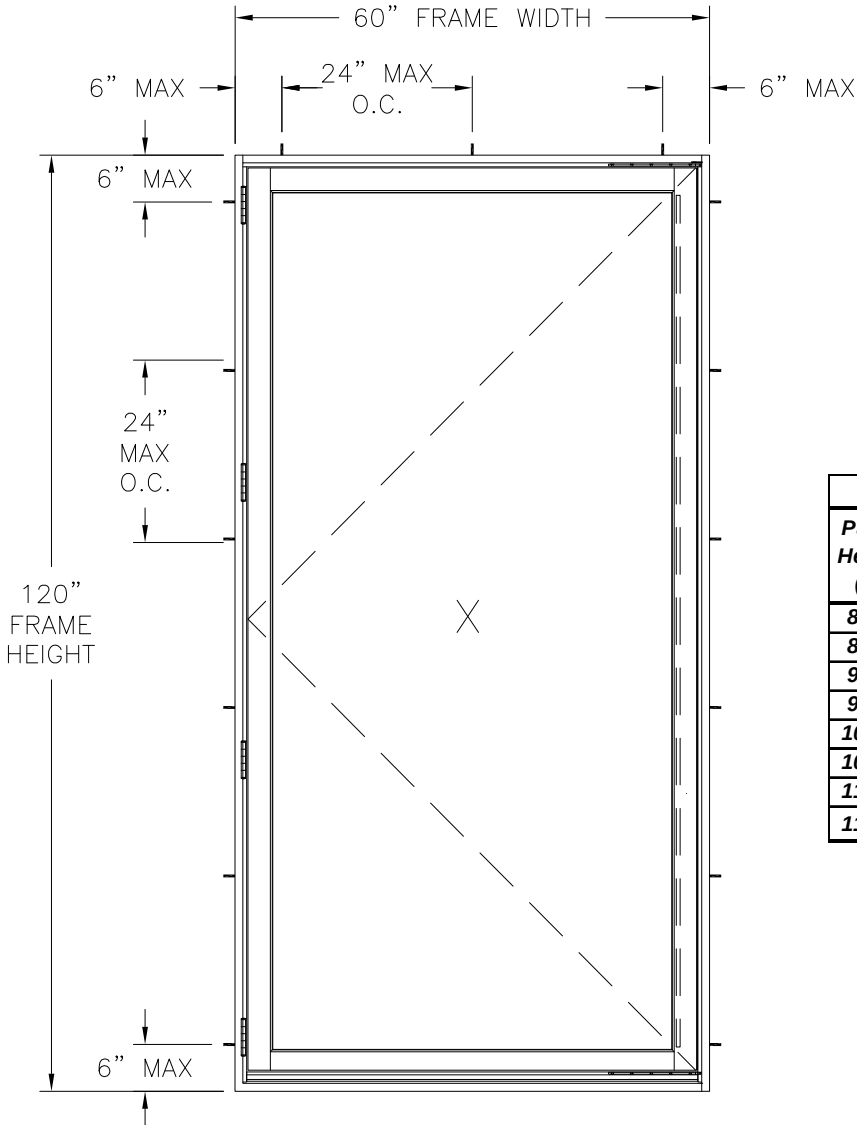


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RWD35 FRENCH SINGLE DOOR
EXTERIOR VIEW
BRACKET INSTALLATION



RWD35 FRENCH SINGLE DOOR
EXTERIOR VIEW
FRAME INSTALLATION

(2) ANCHORS PER
INSTALLATION BRACKET

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

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SEE CHART #1 THIS SHEET , FOR OTHER SIZES RATINGS

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

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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 B
SCALE NTS	DATE 01/31/17	SHEET 3 OF 10

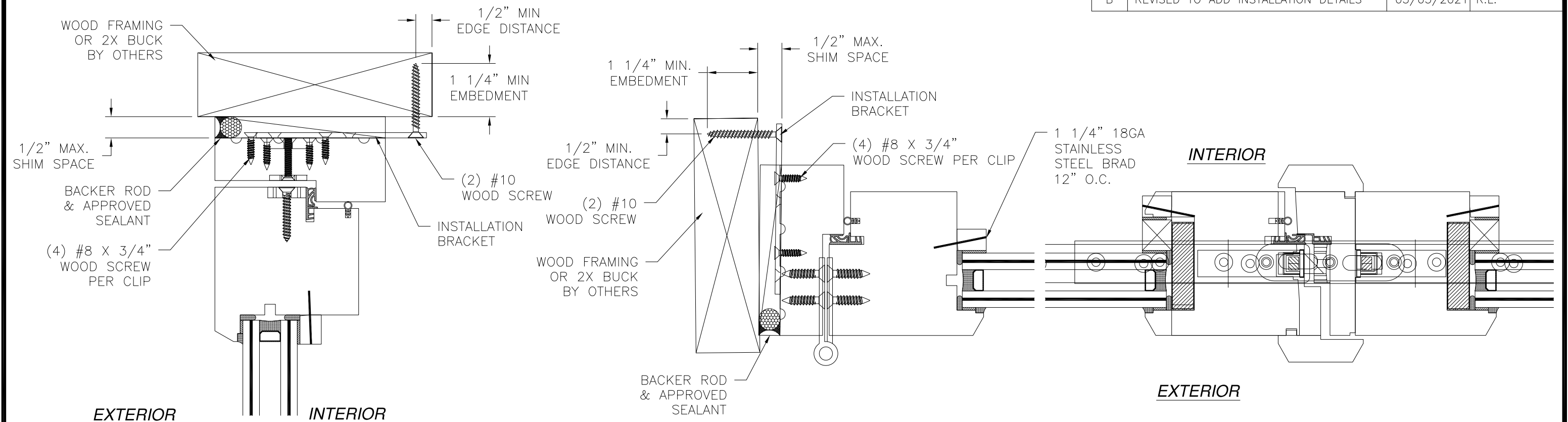
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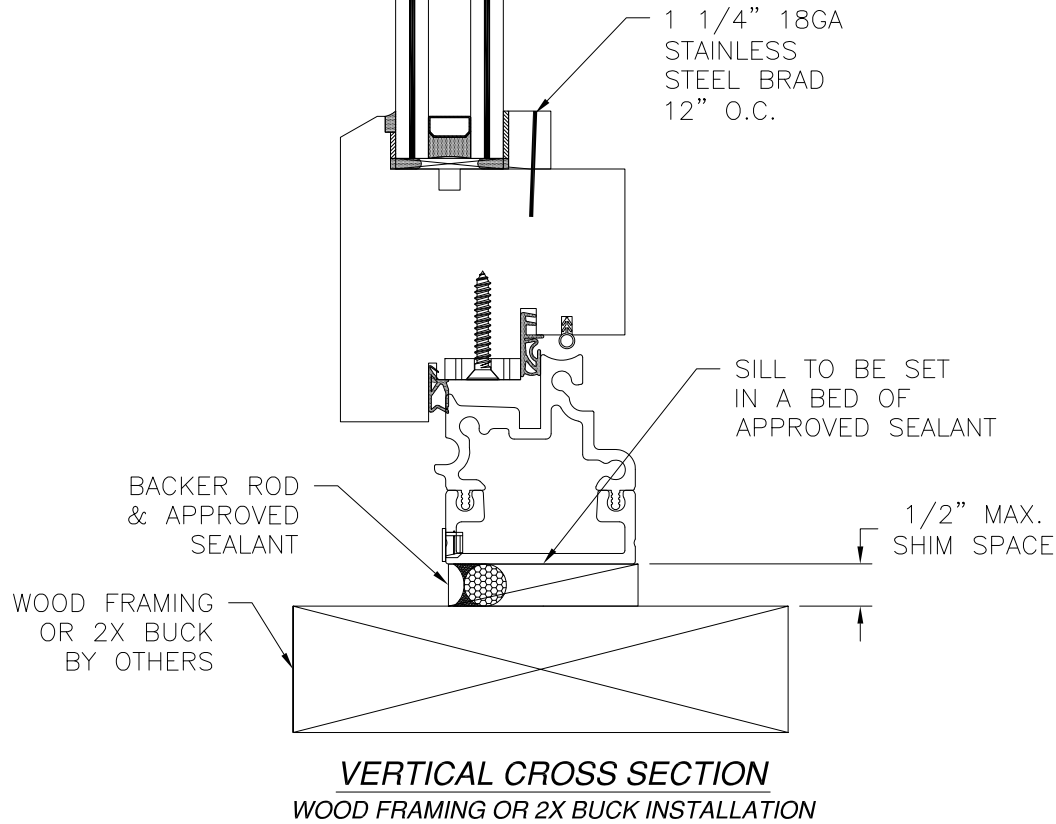
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

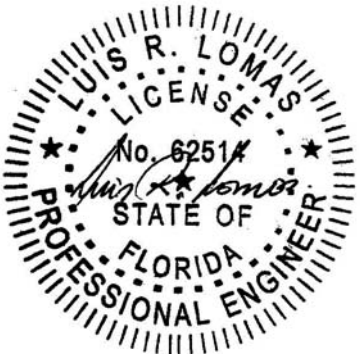
- NOTES:
- 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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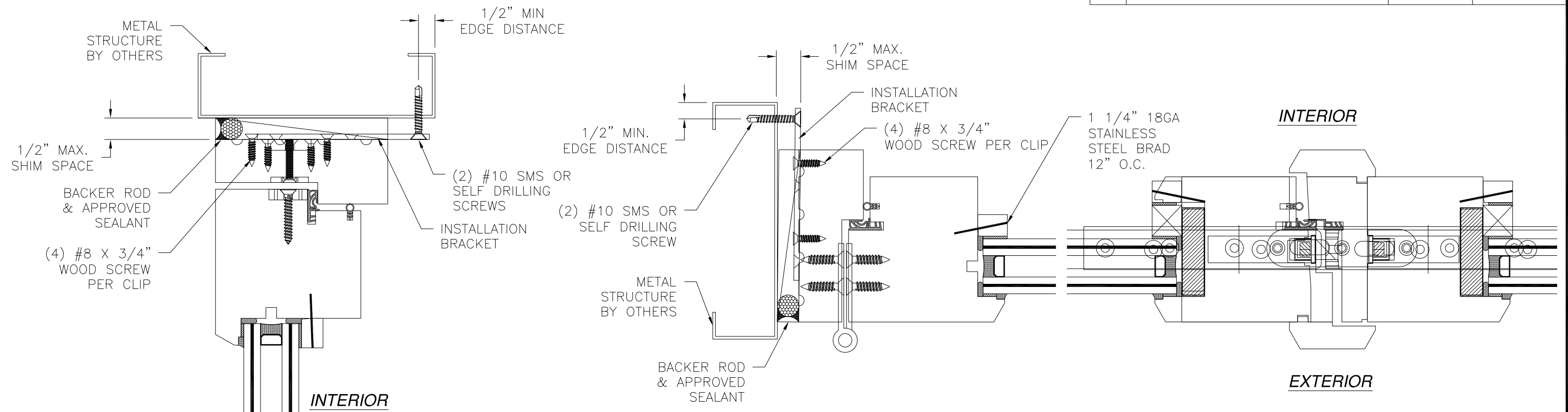
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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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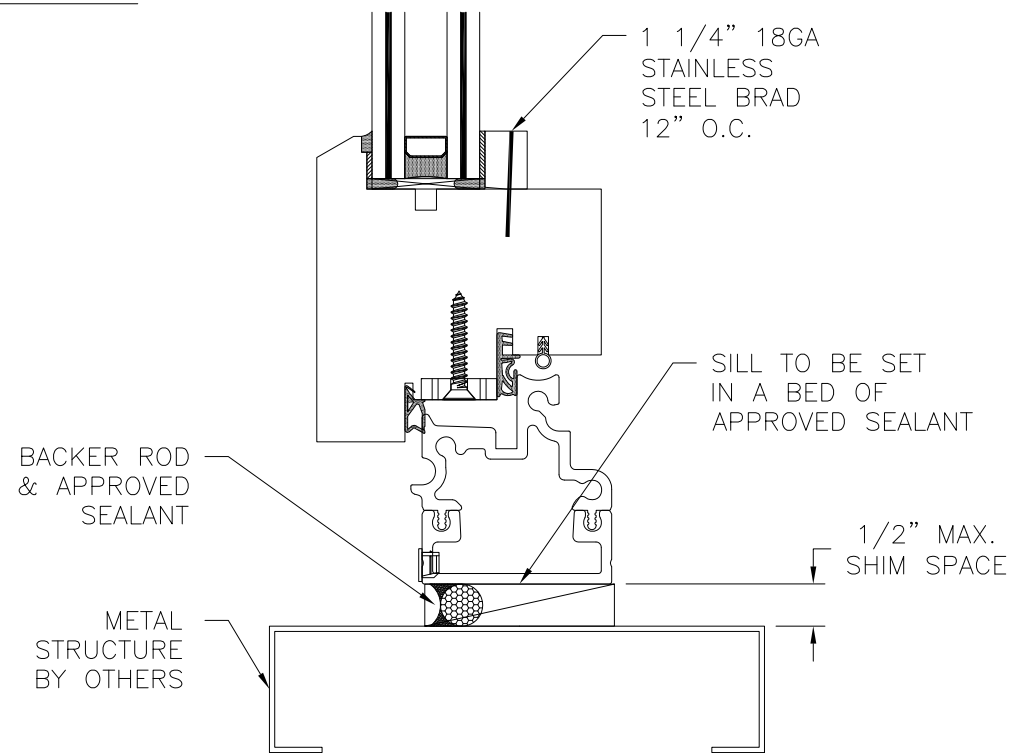
EXTERIOR

INTERIOR

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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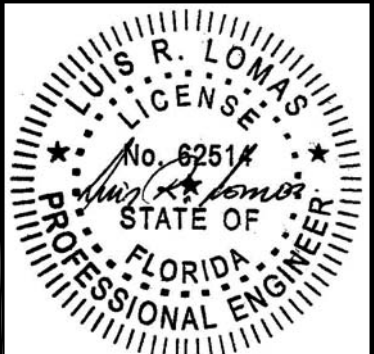
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120" X 120" - IMPACT
INSTALLATION DETAILS W/BRACKET

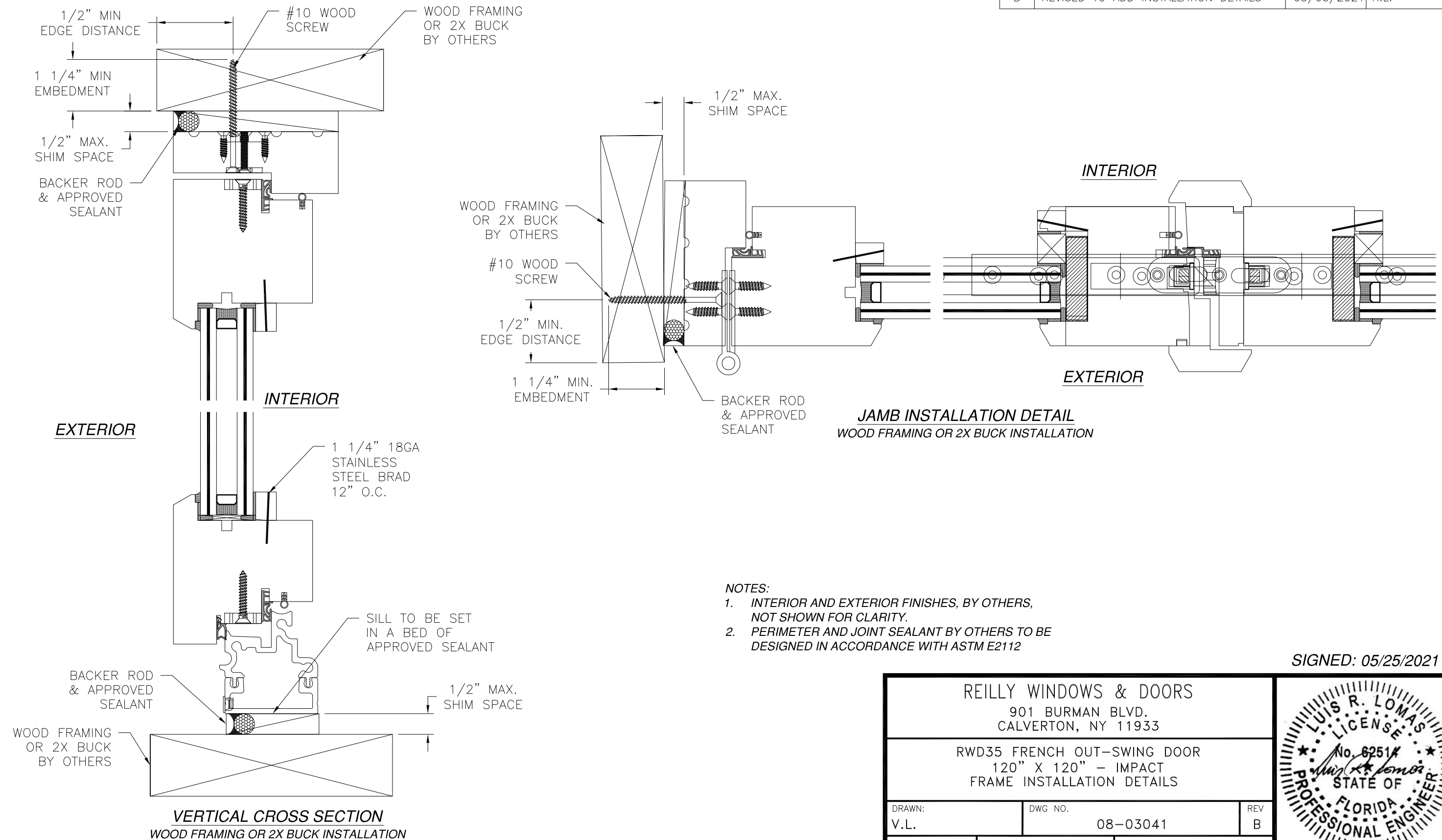
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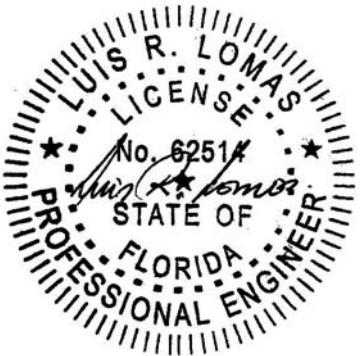
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REILLY WINDOWS & DOORS
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RWD35 FRENCH OUT-SWING DOOR
120" X 120" – IMPACT
FRAME INSTALLATION DETAILS

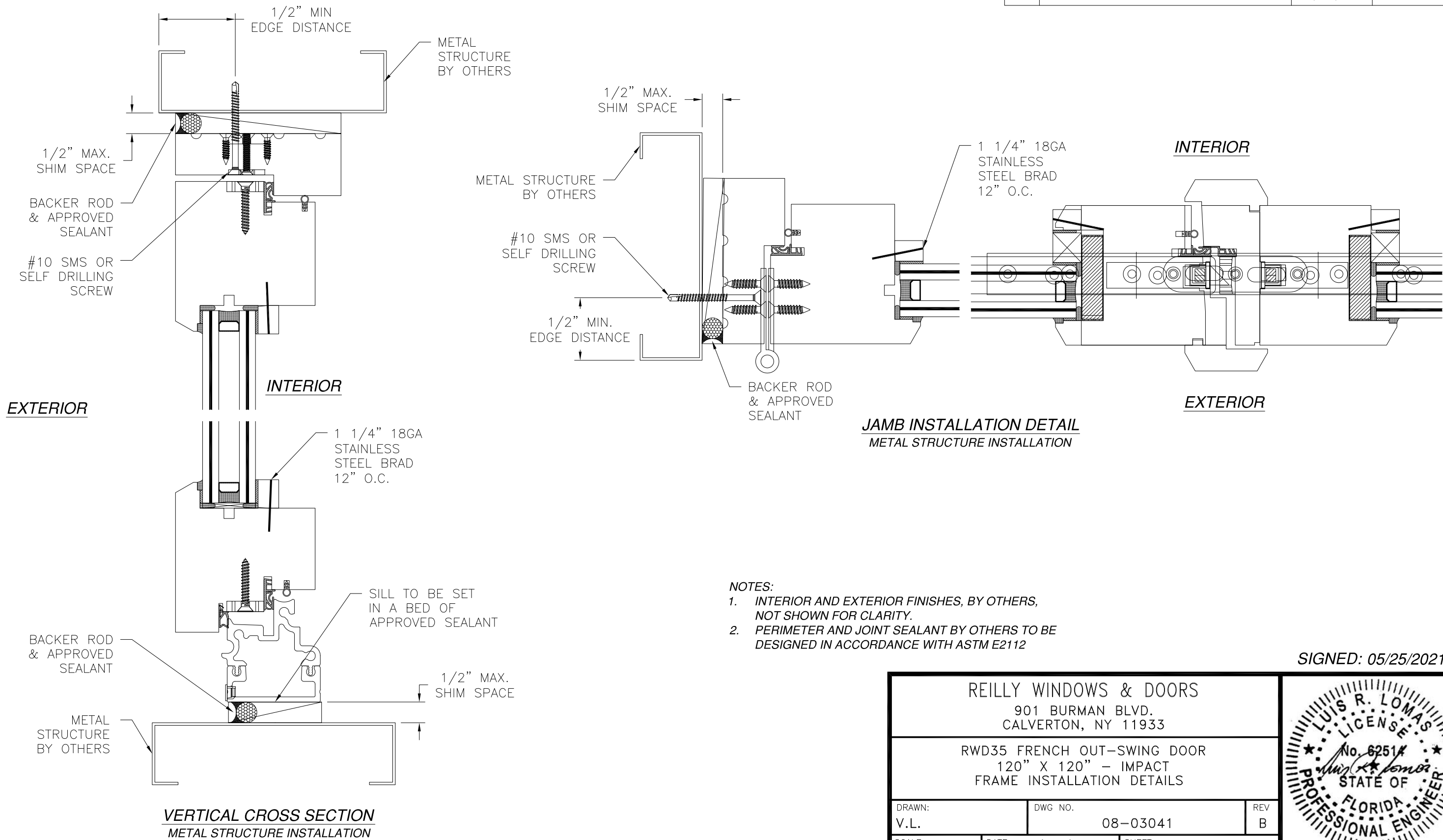
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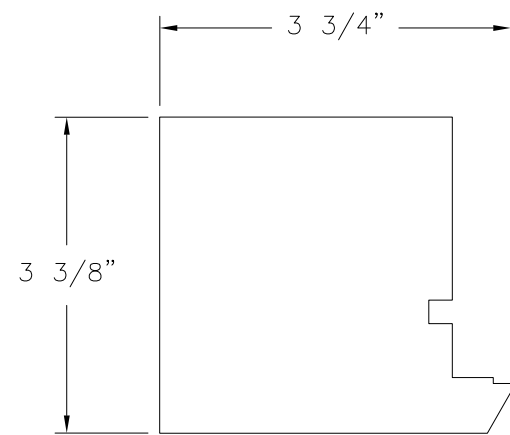
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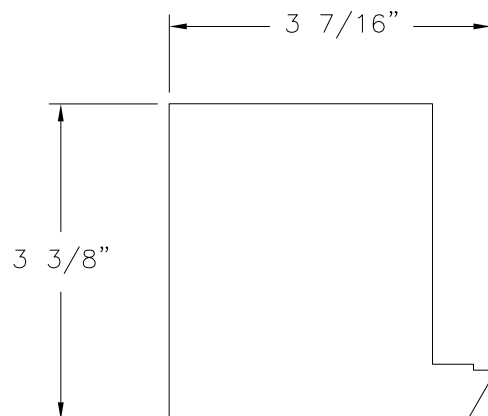
REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD35 FRENCH OUT-SWING DOOR 120" X 120" – IMPACT FRAME INSTALLATION DETAILS		
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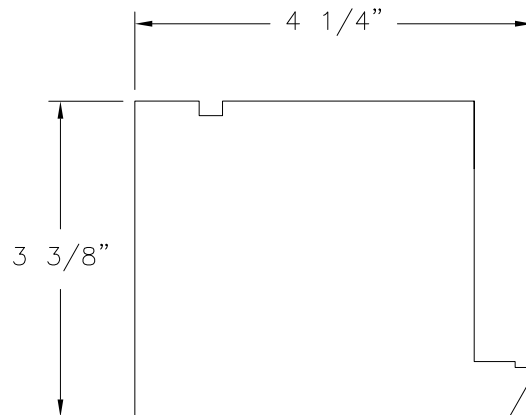
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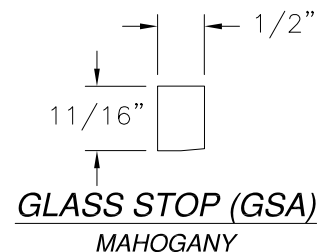
STILE & RAIL (B3.12)
MAHOGANY



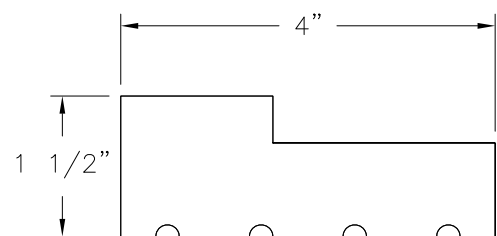
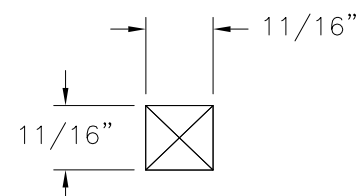
MEETING RAIL - RIGHT (B2.81)
MAHOGANY



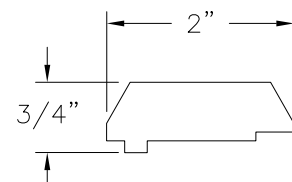
MEETING RAIL - LEFT (B3.62)
MAHOGANY



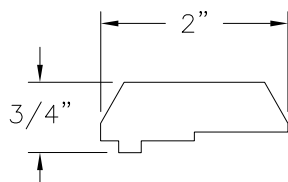
GLASS STOP BLOCK (BL1)
MAHOGANY



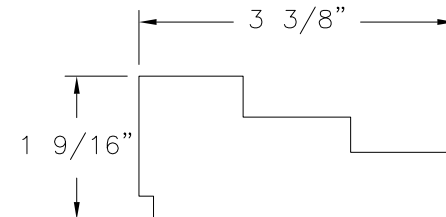
VERTICAL/HORIZONTAL JAMB(J4)
MAHOGANY



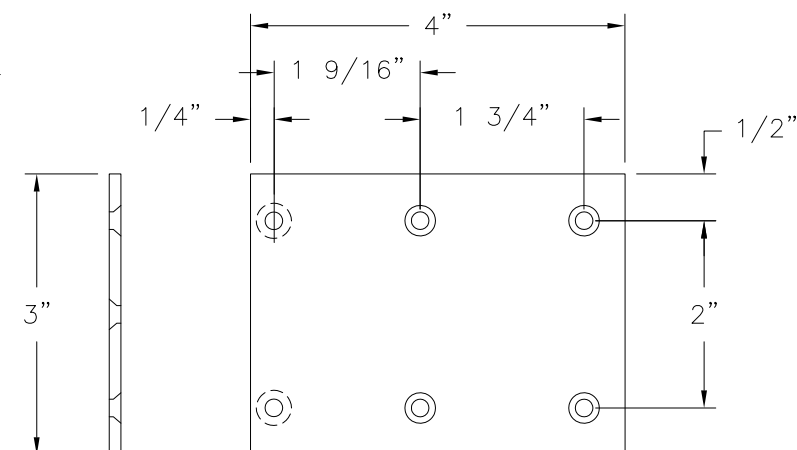
EXTERIOR ASTRAGAL (AS2)
MAHOGANY



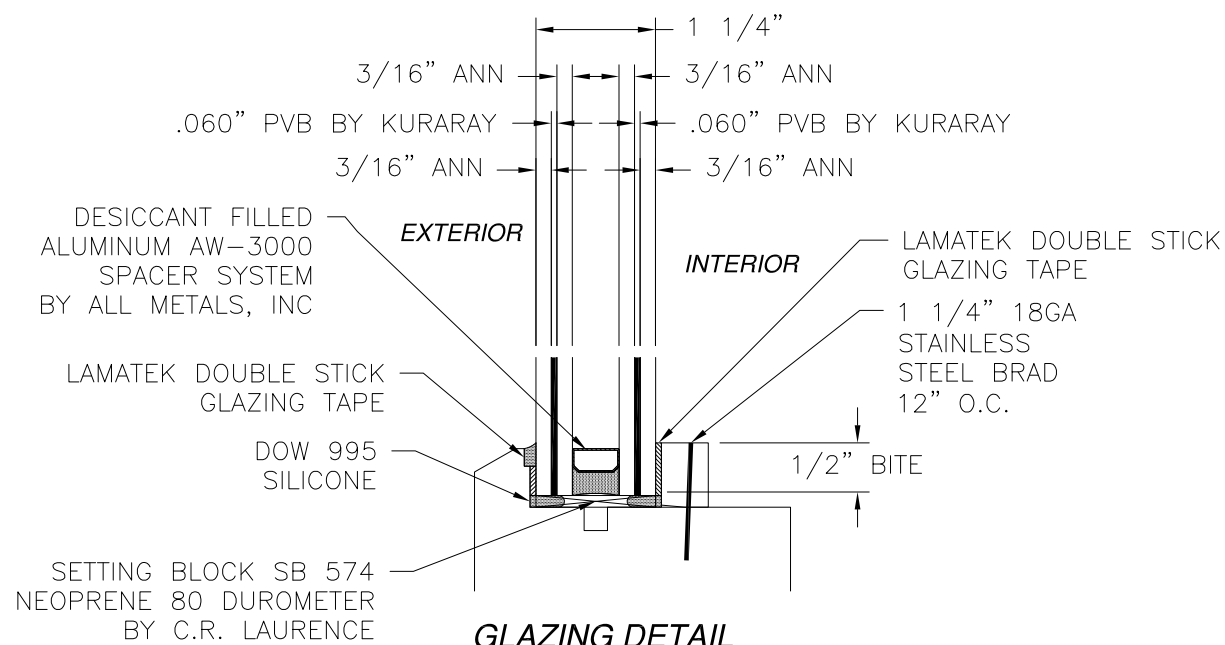
INTERIOR ASTRAGAL (AS2A)
MAHOGANY



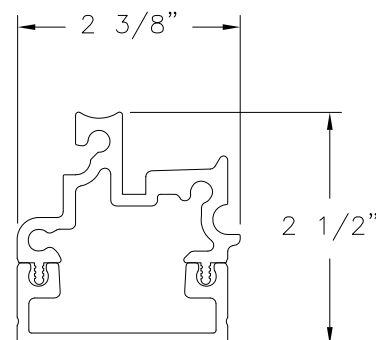
INACTIVE ASTRAGAL (AS3.3)
MAHOGANY



INSTALLATION BRACKET
ALUMINUM 6063-T5 .125" THICK



GLAZING DETAIL



SILL
ALUMINUM 6063-T5 .125" THICK

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REILLY WINDOWS & DOORS

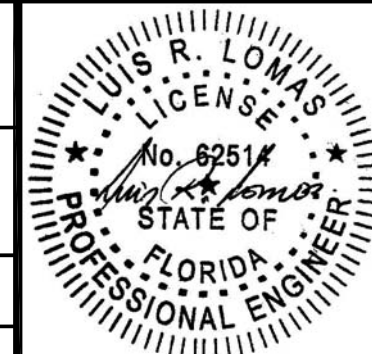
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RWD35 FRENCH OUT-SWING DOOR
120" X 120" - IMPACT
GLAZING DETAIL AND COMPONENTS

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