

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADD CLIP INSTALLATION	11/21/18	R.L.
B	REVISED ANCHOR DETAILS	09/27/21	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. 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 THROUGH INSTALLATION CLIP AND ANGLE CLIP 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 INSTALLATION CLIP AND ANGLE CLIP 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. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/4” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING INTO METAL STRUCTURE USE #14 TEK SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. ALL FASTENERS TO BE CORROSION RESISTANT.
19. 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 .048” THICK MINIMUM

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 – 3	ELEVATIONS
4 – 8	INSTALLATION DETAILS
9 – 10	COMPONENTS

REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

FRENCH DOOR OUT–SWING WOOD, SINGLE & DOUBLE
LARGE AND SMALL MISSILE IMPACT AND HVHZ
NOTES

DRAWN:
N.G.

DWG NO.
08–02944

REV
B

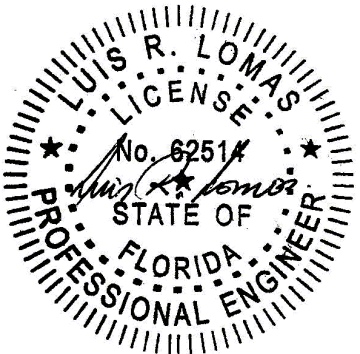
SCALE NTS

DATE 08/11/16

SHEET 1 OF 10

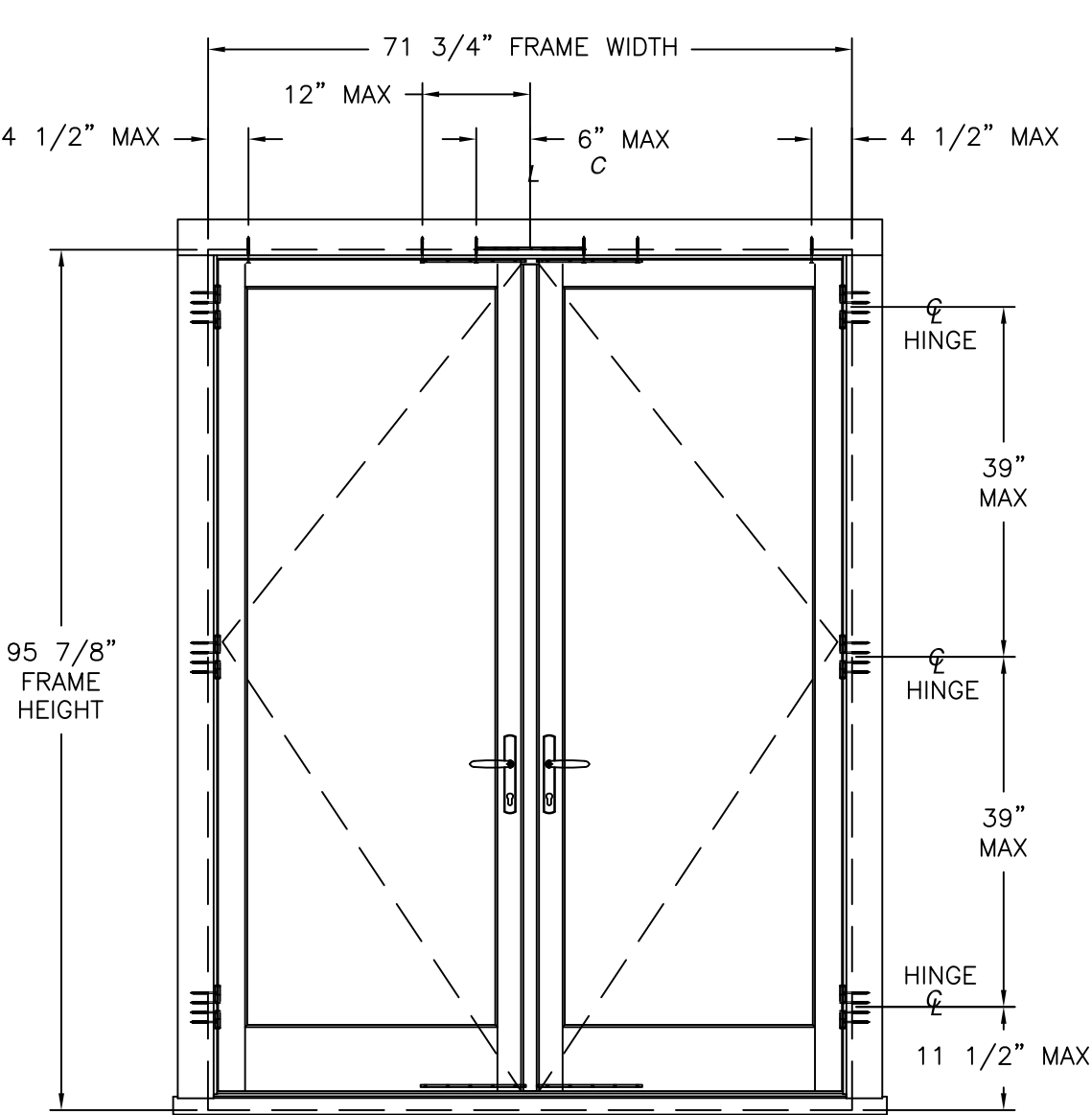
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/20/2026

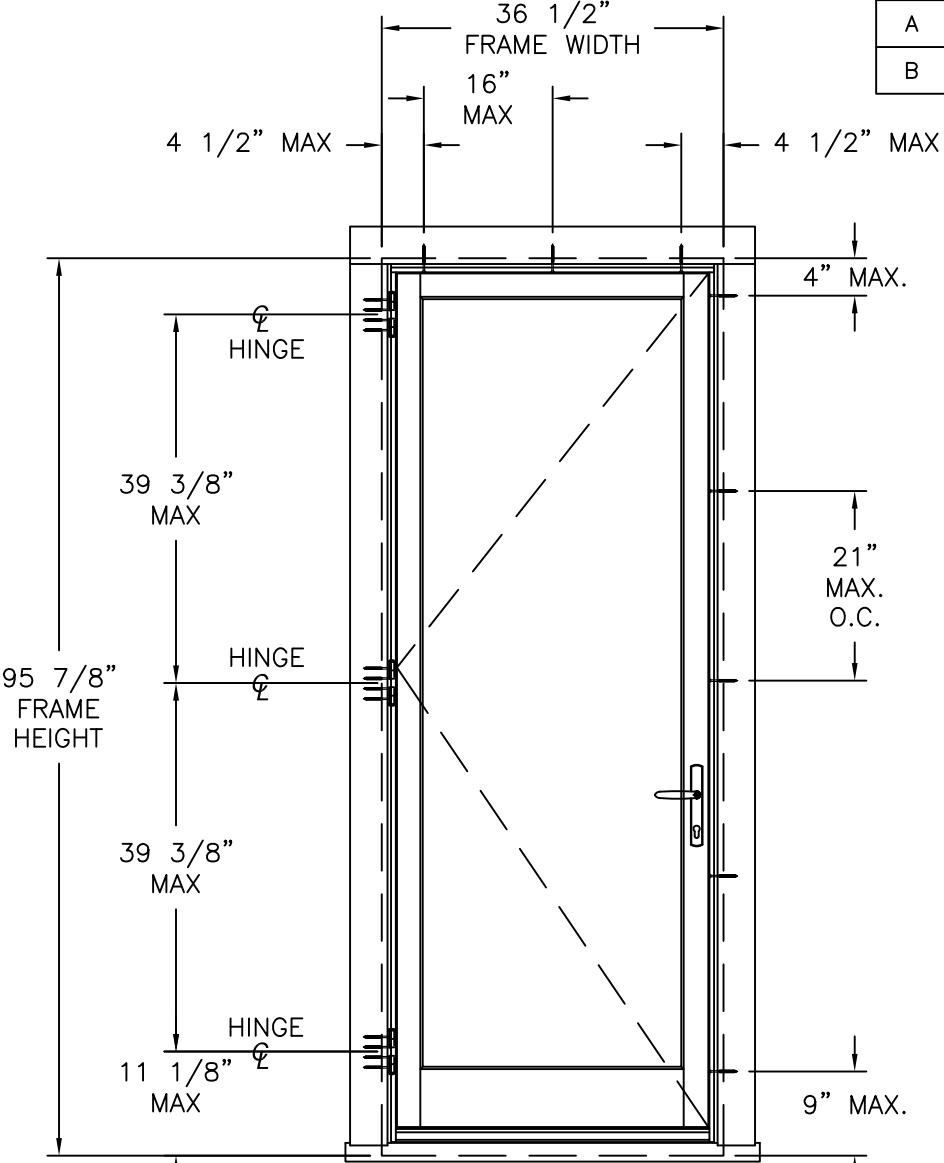


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADD CLIP INSTALLATION	11/21/18	R.L.
B	REVISED ANCHOR DETAILS	09/27/21	R.L.



FRENCH OS WOOD DOUBLE DOOR
EXTERIOR VIEW (ANCHORS THROUGH HARDWARE & HINGES)



FRENCH OS WOOD SINGLE DOOR
EXTERIOR VIEW (ANCHORS THROUGH HARDWARE & HINGES)

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 60.0\text{PSF}$	LARGE MISSILE IMPACT

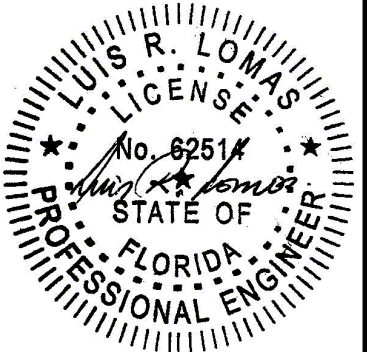
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
36 1/2" X 95 7/8" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 24.3 FT²

- NOTES:
1. MAXIMUM PANEL SIZE: 34 3/4" X 92 5/8"
 2. MAXIMUM D.L.O.: 27" X 81 1/2"
 3. (6) 2" X 1/4" WEEPHOLE 4" FROM SILL END AND 12" ON CENTER.

HARDWARE SCHEDULE	
A.	(2) OPERATING HANDLE W/SEPARATE DEAD BOLT AT 33" & 36 1/2" FROM PANEL BOTTOM
B.	(6) HINGES 3 PER PANEL AT 9" & 48" FROM SILL & 6" FROM HEAD
C.	(1) MULTI-POINT LOCK SYSTEM W/FOUR LOCK POINTS AT HEAD & SILL 12" FROM SILL & 32" FROM HEAD

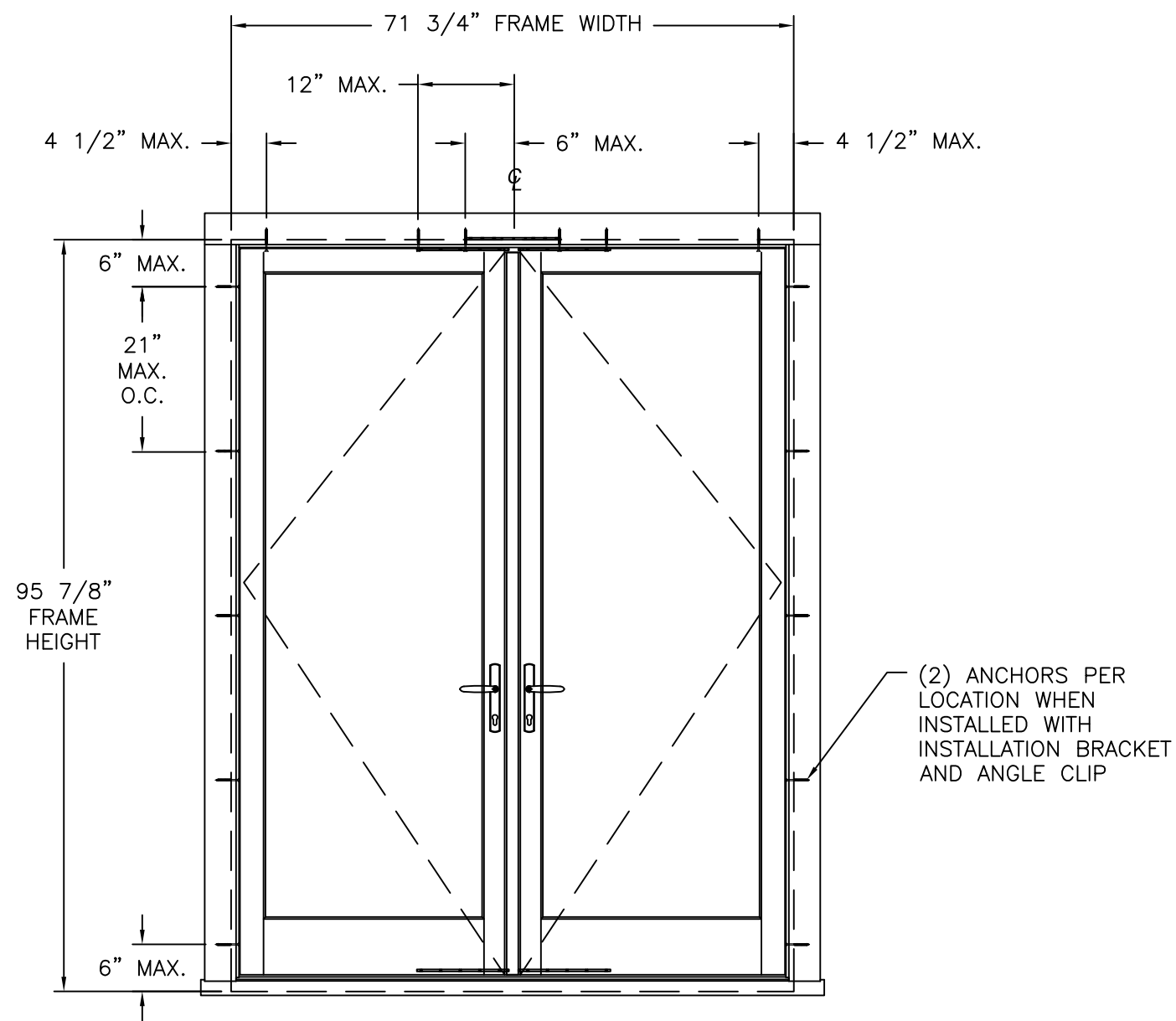
REILLY WINDOWS & DOORS		
901 BURMAN BLVD. CALVERTON, NY 11933		
FRENCH DOOR OUT-SWING WOOD, SINGLE & DOUBLE LARGE AND SMALL MISSILE IMPACT AND HVHZ ELEVATIONS		
DRAWN: N.G.	DWG NO. 08-02944	REV B
SCALE NTS	DATE 08/11/16	SHEET 2 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 07/20/2026

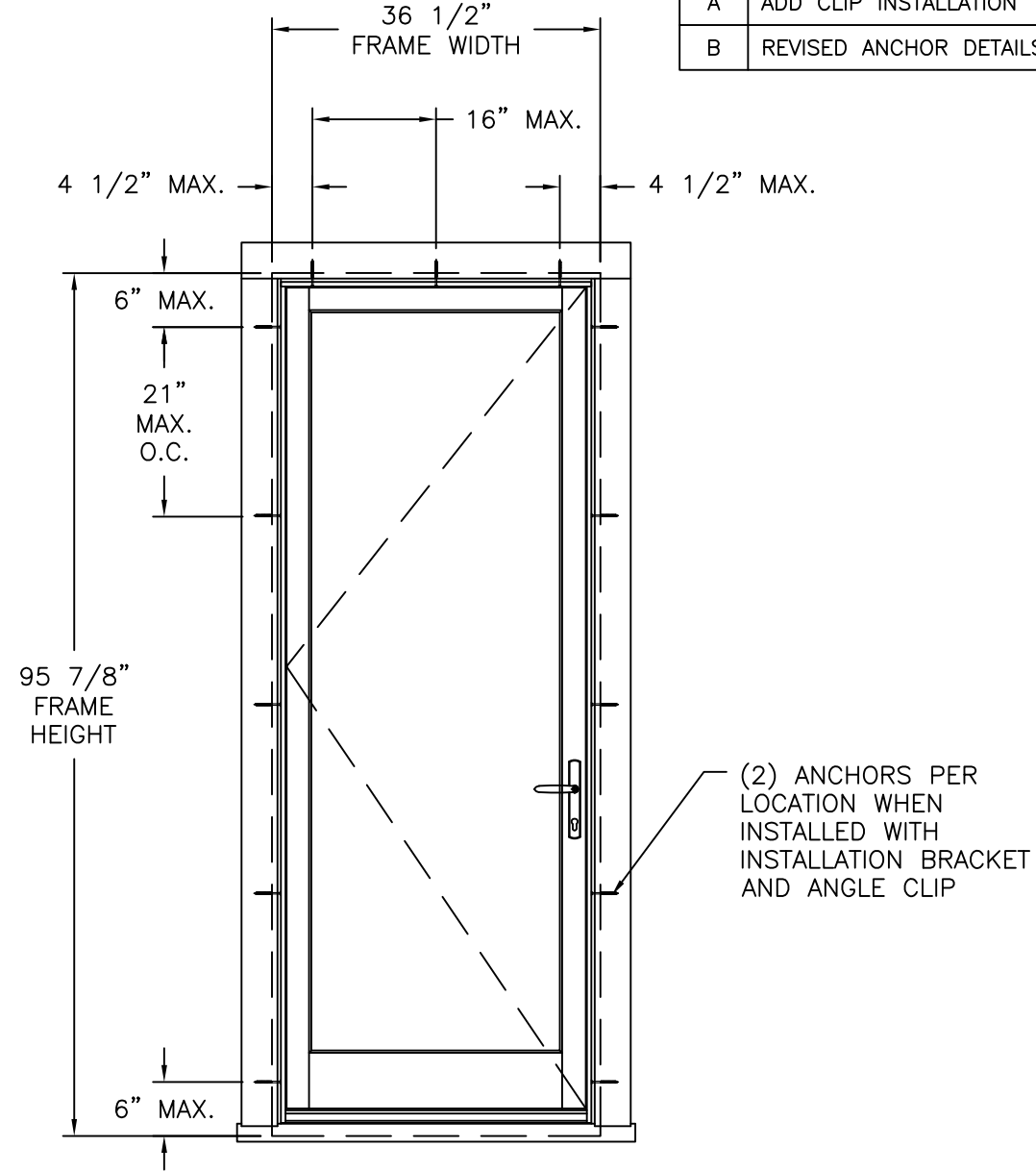


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADD CLIP INSTALLATION	11/21/18	R.L.
B	REVISED ANCHOR DETAILS	09/27/21	R.L.



FRENCH OS WOOD DOUBLE DOOR
EXTERIOR VIEW (ANCHORS THROUGH FRAME)



FRENCH OS WOOD SINGLE DOOR
EXTERIOR VIEW (ANCHORS THROUGH FRAME)

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
36 1/2" X 95 7/8" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 24.3 FT²

- NOTES:
1. MAXIMUM PANEL SIZE: 34 3/4" X 92 5/8"
 2. MAXIMUM D.L.O.: 27" X 81 1/2"
 3. (6) 2" X 1/4" WEEPHOLE 4" FROM SILL END AND 12" ON CENTER.

HARDWARE SCHEDULE	
A.	(2) OPERATING HANDLE W/SEPARATE DEAD BOLT AT 33" & 36 1/2" FROM PANEL BOTTOM
B.	(6) HINGES 3 PER PANEL AT 9" & 48" FROM SILL & 6" FROM HEAD
C.	(1) MULTI-POINT LOCK SYSTEM W/FOUR LOCK POINTS AT HEAD & SILL 12" FROM SILL & 32" FROM HEAD

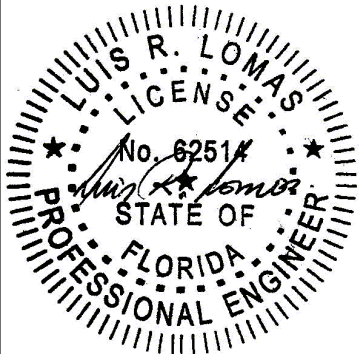
REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

FRENCH DOOR OUT-SWING WOOD, SINGLE & DOUBLE
LARGE AND SMALL MISSILE IMPACT AND HVHZ
ELEVATIONS

DRAWN: N.G.	DWG NO. 08-02944	REV B
SCALE NTS	DATE 08/11/16	SHEET 3 OF 10

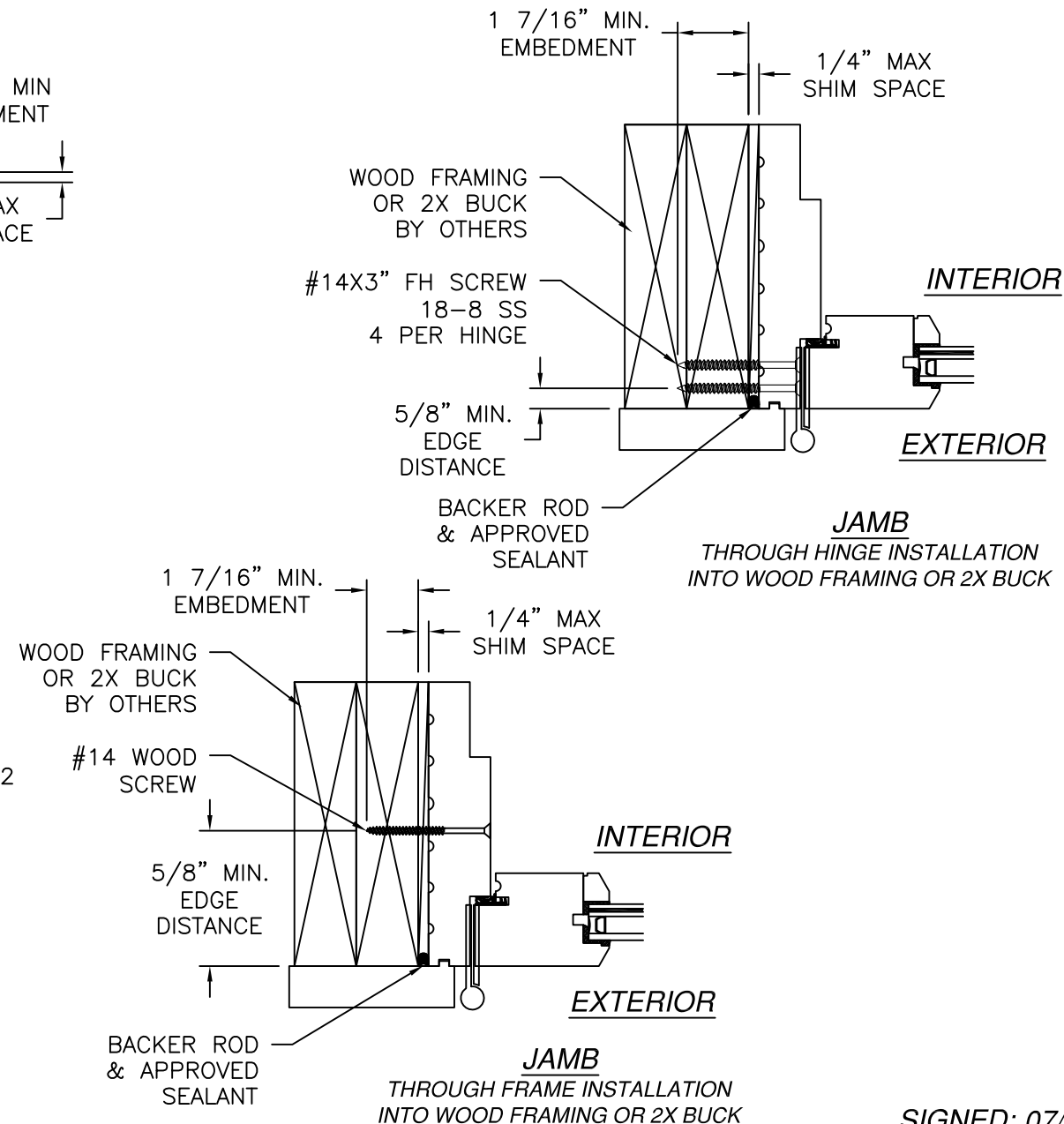
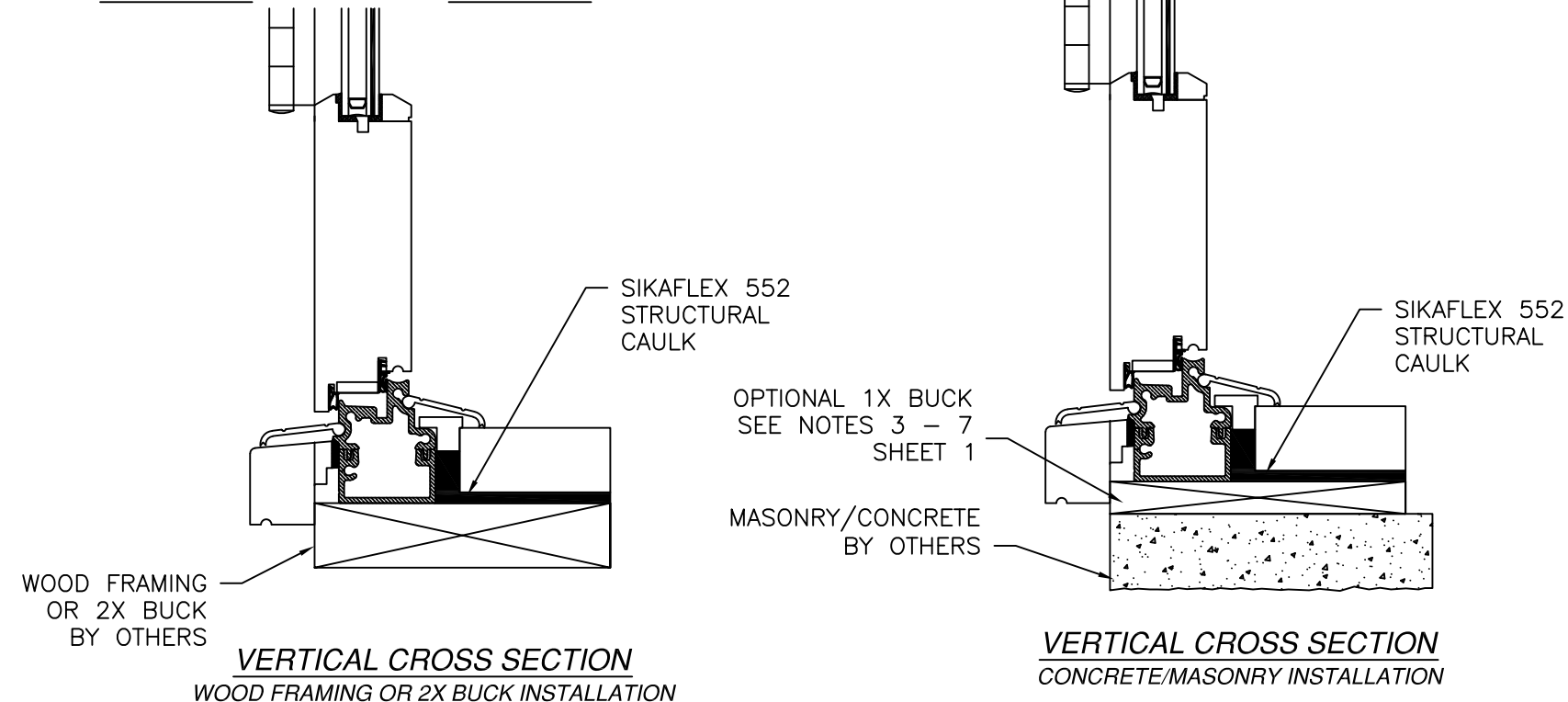
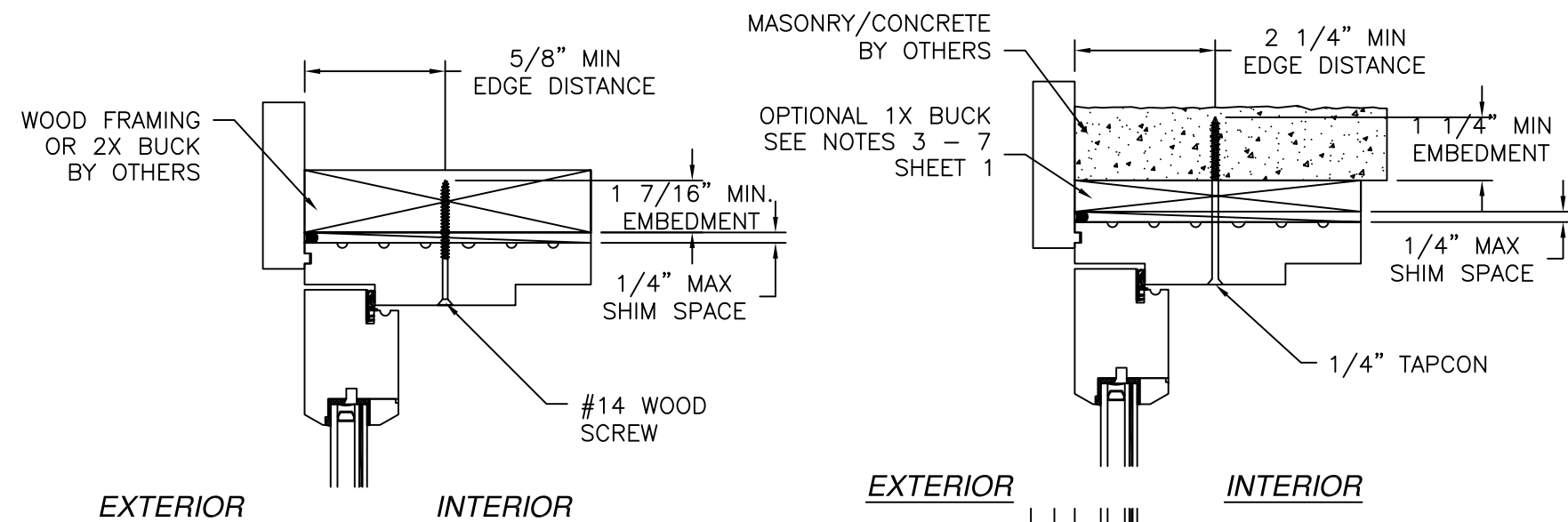
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/20/2026



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADD CLIP INSTALLATION	11/21/18	R.L.
B	REVISED ANCHOR DETAILS	09/27/21	R.L.



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

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

FRENCH DOOR OUT-SWING WOOD, SINGLE & DOUBLE
LARGE AND SMALL MISSILE IMPACT AND HVHZ
INSTALLATION DETAILS

DRAWN:
N.G.

DWG NO.
08-02944

REV
B

SCALE
NTS

DATE
08/11/16

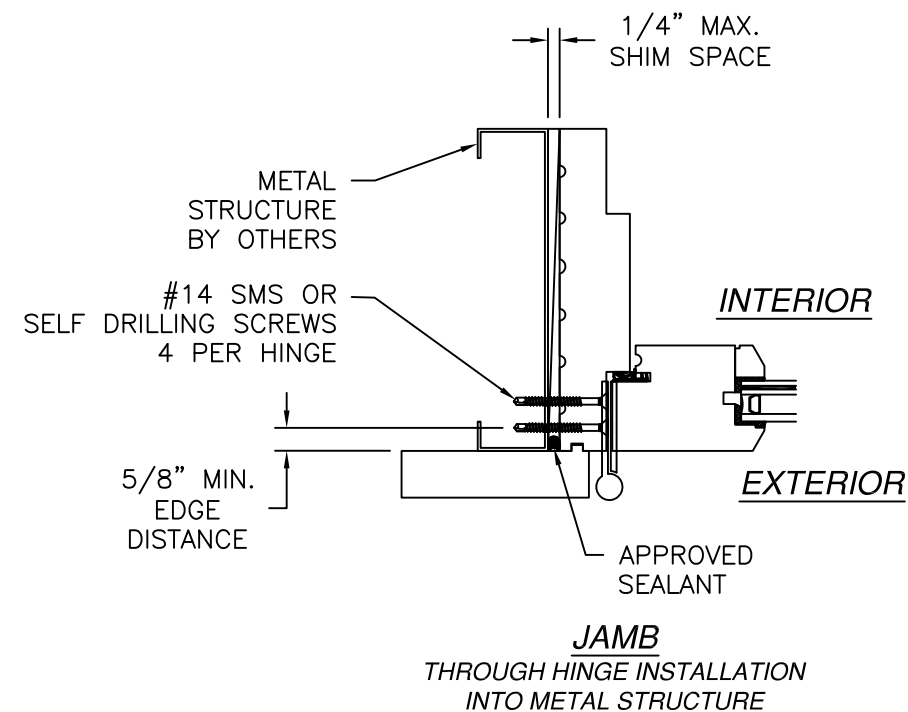
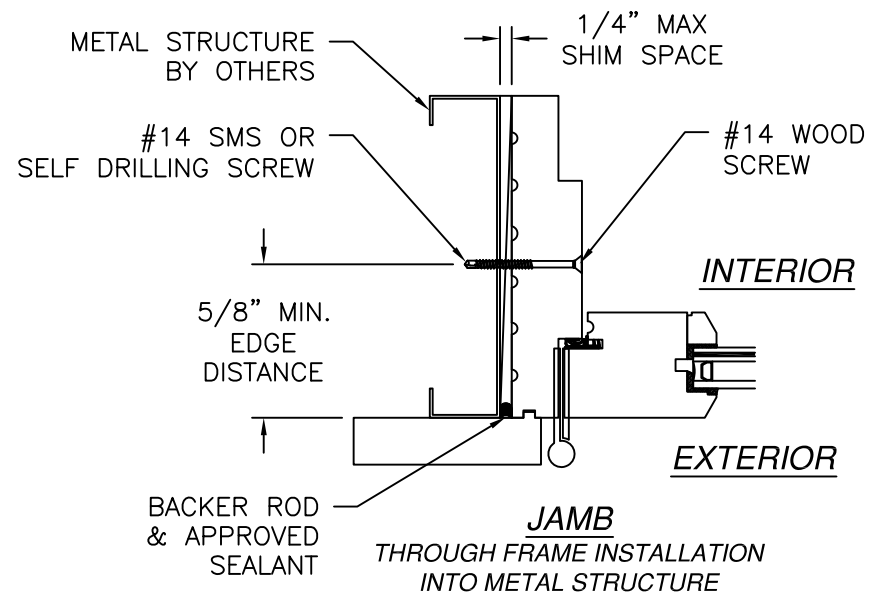
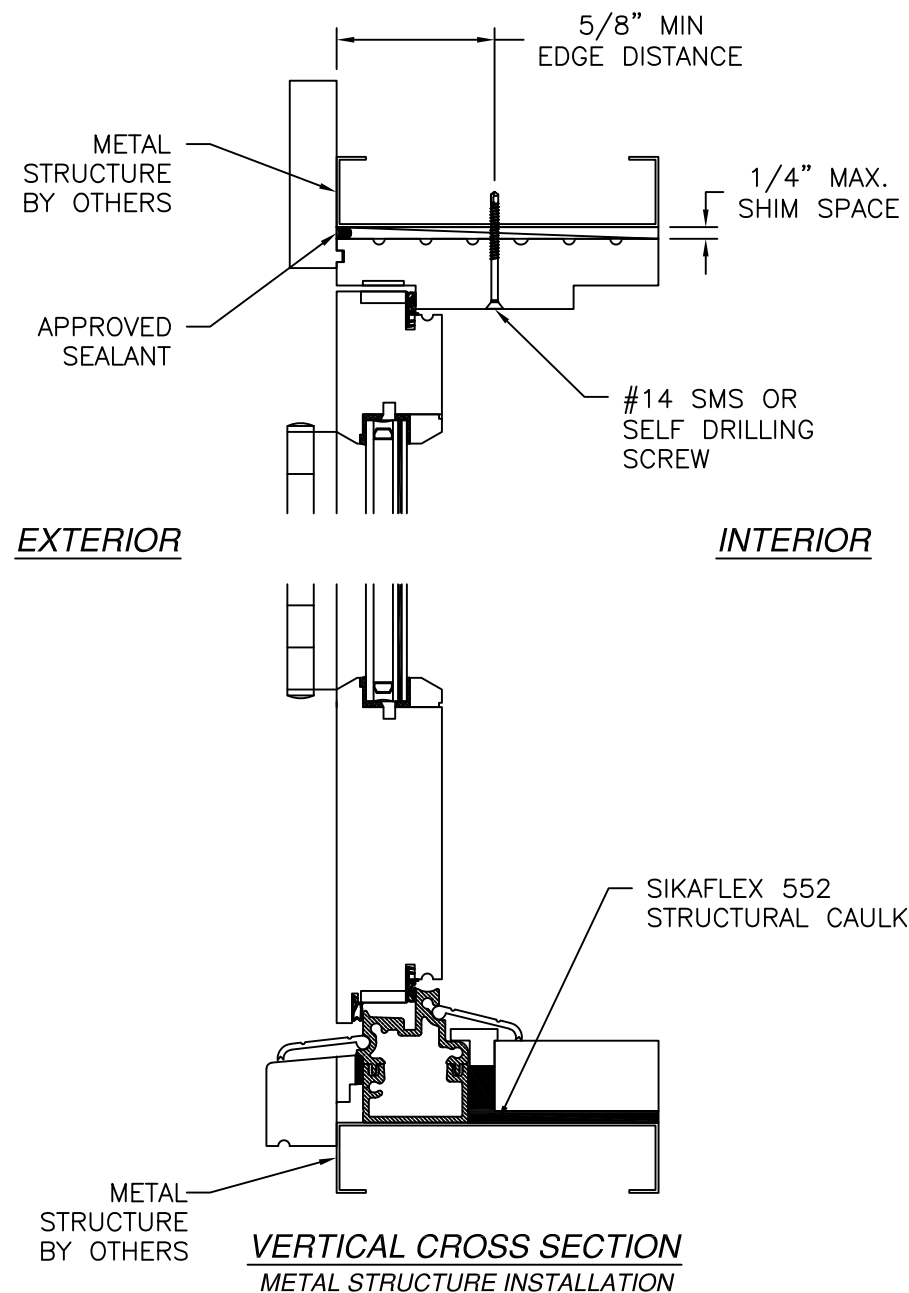
SHEET
4 OF 10

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

SIGNED: 07/20/2026

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADD CLIP INSTALLATION	11/21/18	R.L.
B	REVISED ANCHOR DETAILS	09/27/21	R.L.



- 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

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

FRENCH DOOR OUT-SWING WOOD, SINGLE & DOUBLE
LARGE AND SMALL MISSILE IMPACT AND HVHZ
INSTALLATION DETAILS

DRAWN:
N.G.

DWG NO.
08-02944

REV
B

SCALE
NTS

DATE
08/11/16

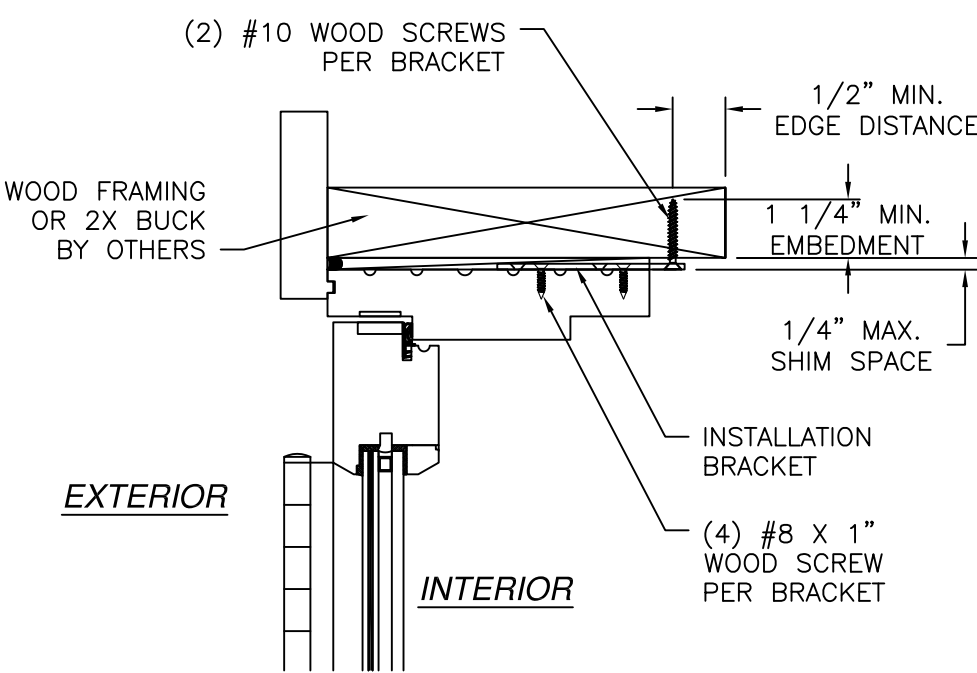
SHEET
5 OF 10

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

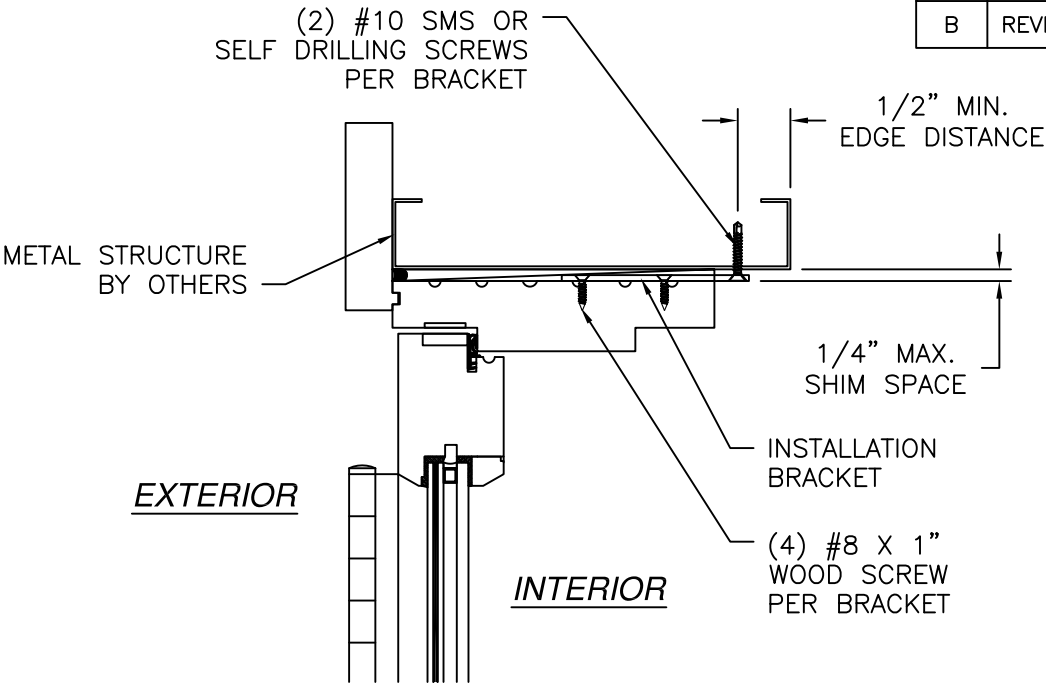
SIGNED: 07/20/2026

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

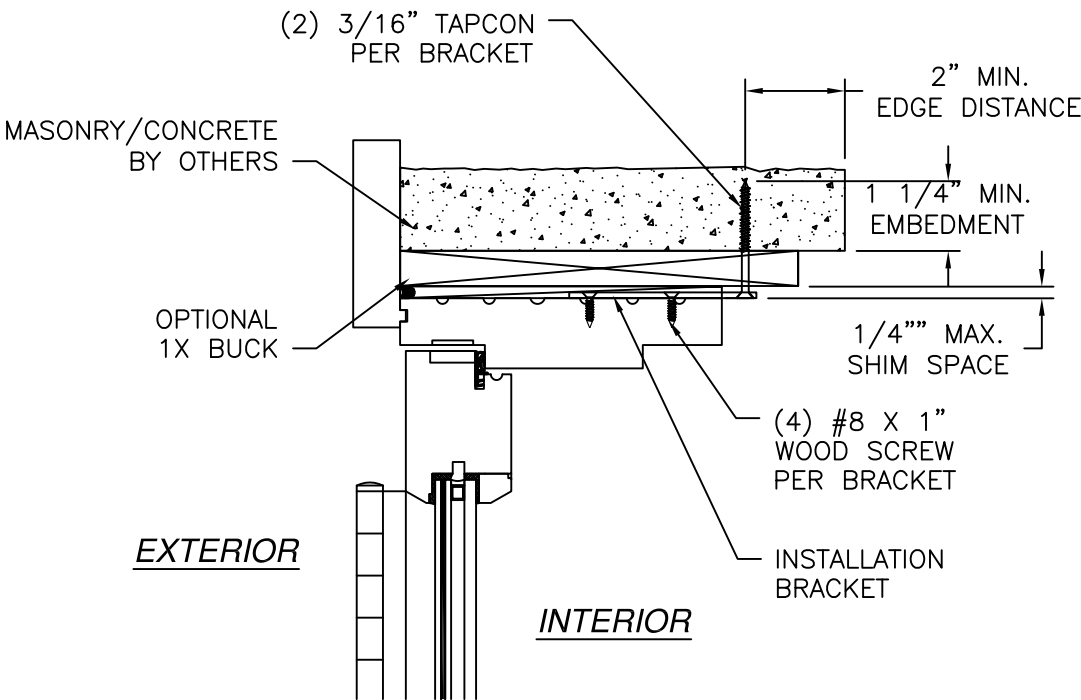
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADD CLIP INSTALLATION	11/21/18	R.L.
B	REVISED ANCHOR DETAILS	09/27/21	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
MASONRY/CONCRETE 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. INSTALLATION BRACKETS TO BE SPACED AS INDICATED IN SHEET 3

SIGNED: 07/20/2026

REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

FRENCH DOOR OUT-SWING WOOD, SINGLE & DOUBLE
LARGE AND SMALL MISSILE IMPACT AND HVHZ
INSTALLATION DETAILS W/CLIP

DRAWN: N.G.

DWG NO. 08-02944

REV B

SCALE NTS

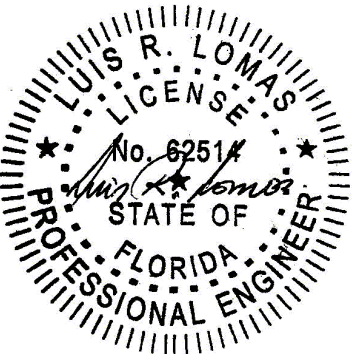
DATE 08/11/16

SHEET 6 OF 10

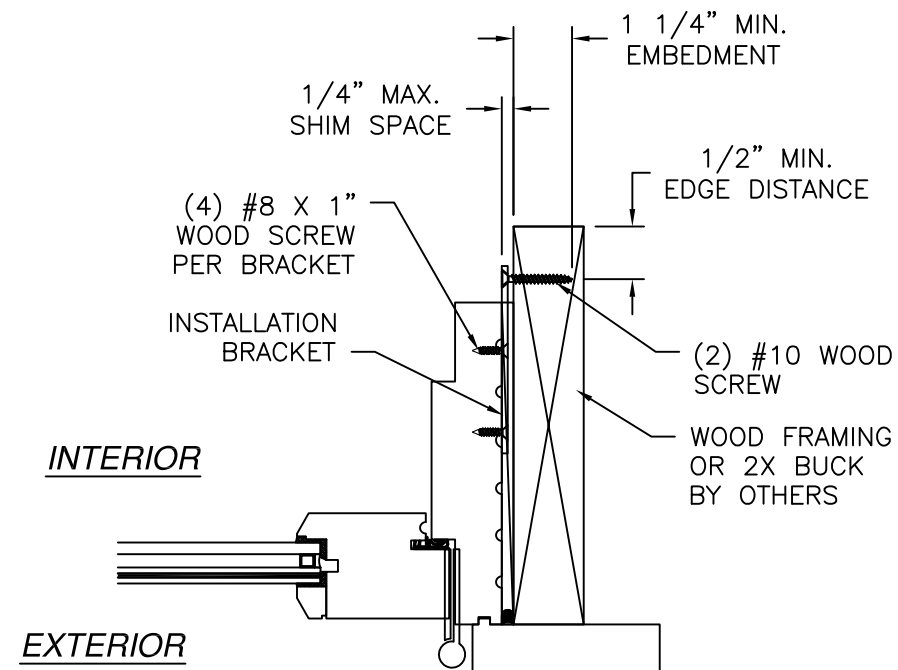
L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

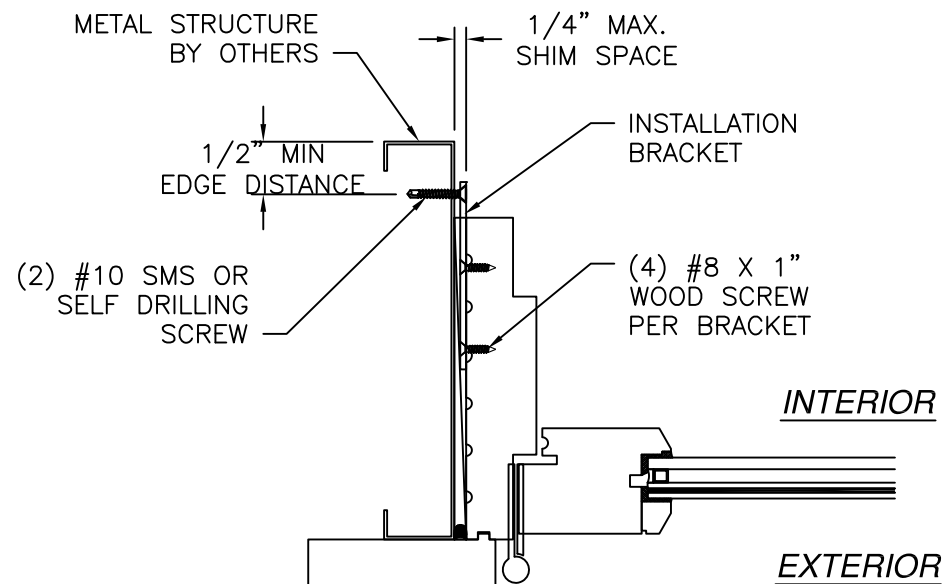
434-688-0609 rllomas@lrlomaspe.com



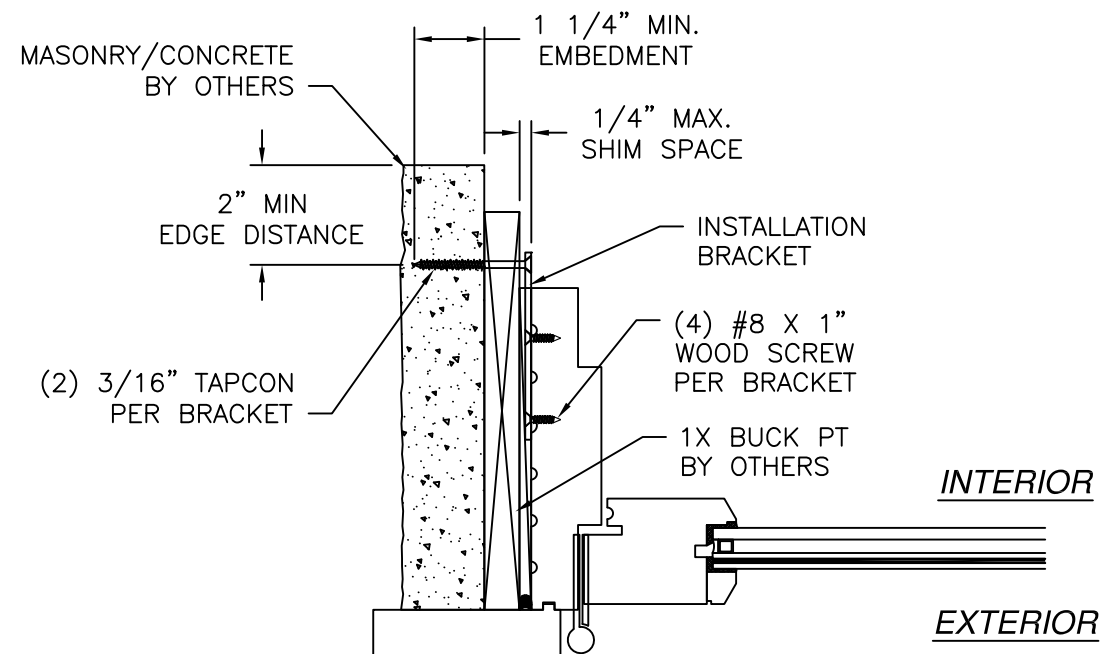
Luis R. Lomas P.E.
FL No.: 62514



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



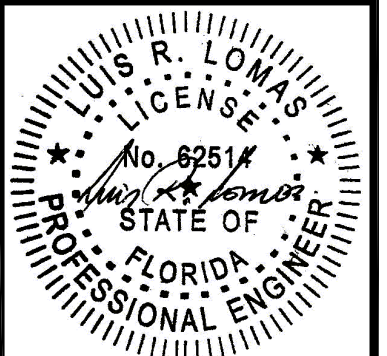
JAMB INSTALLATION DETAIL
MASONRY/CONCRETE INSTALLATION

- 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. INSTALLATION BRACKETS TO BE SPACED AS INDICATED IN SHEET 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADD CLIP INSTALLATION	11/21/18	R.L.
B	REVISED ANCHOR DETAILS	09/27/21	R.L.

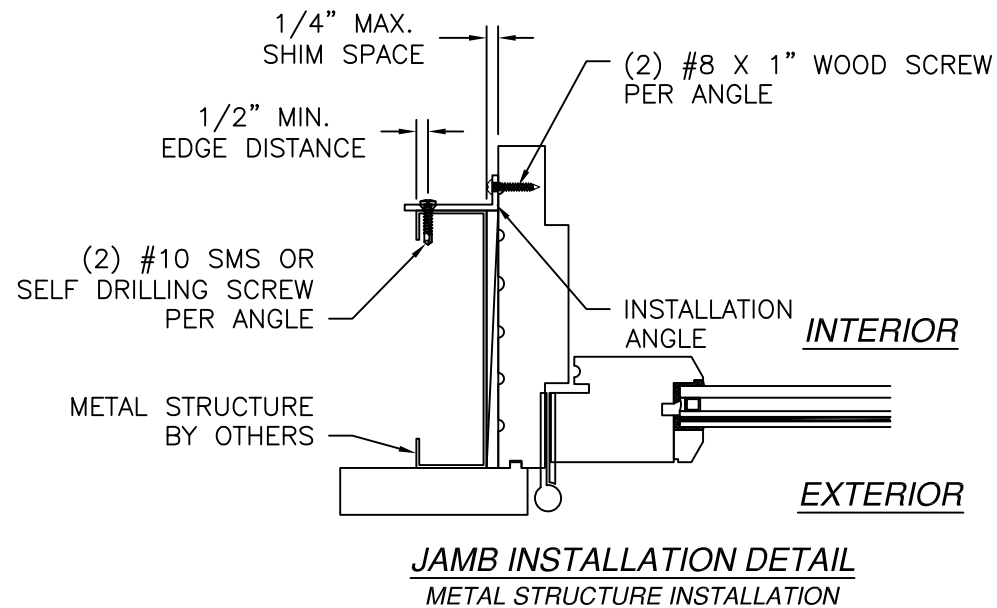
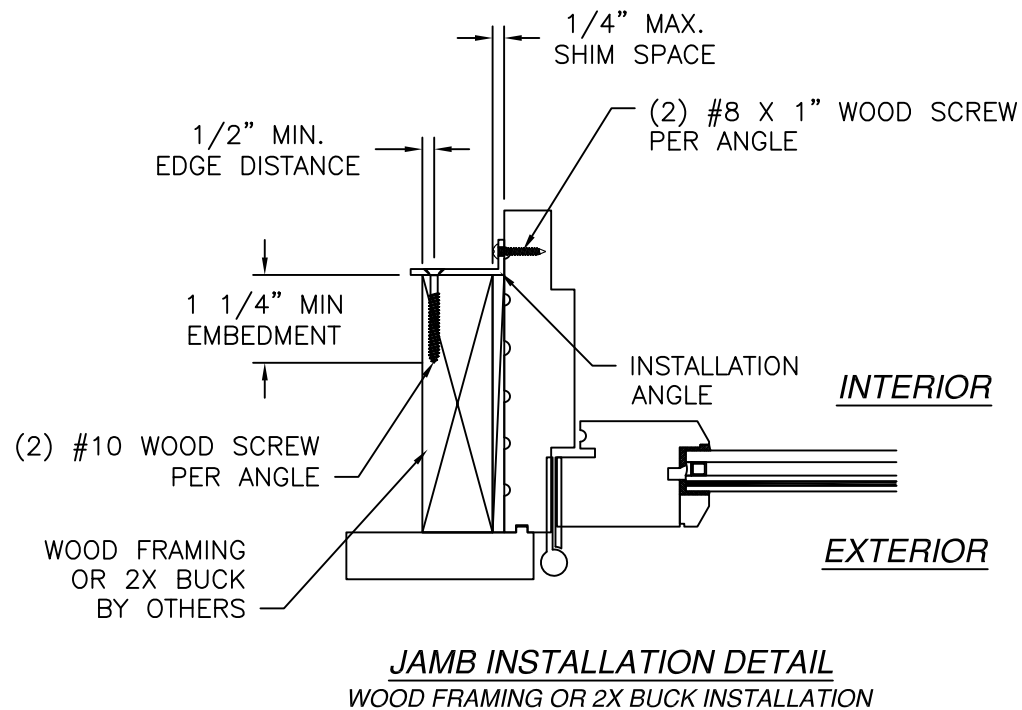
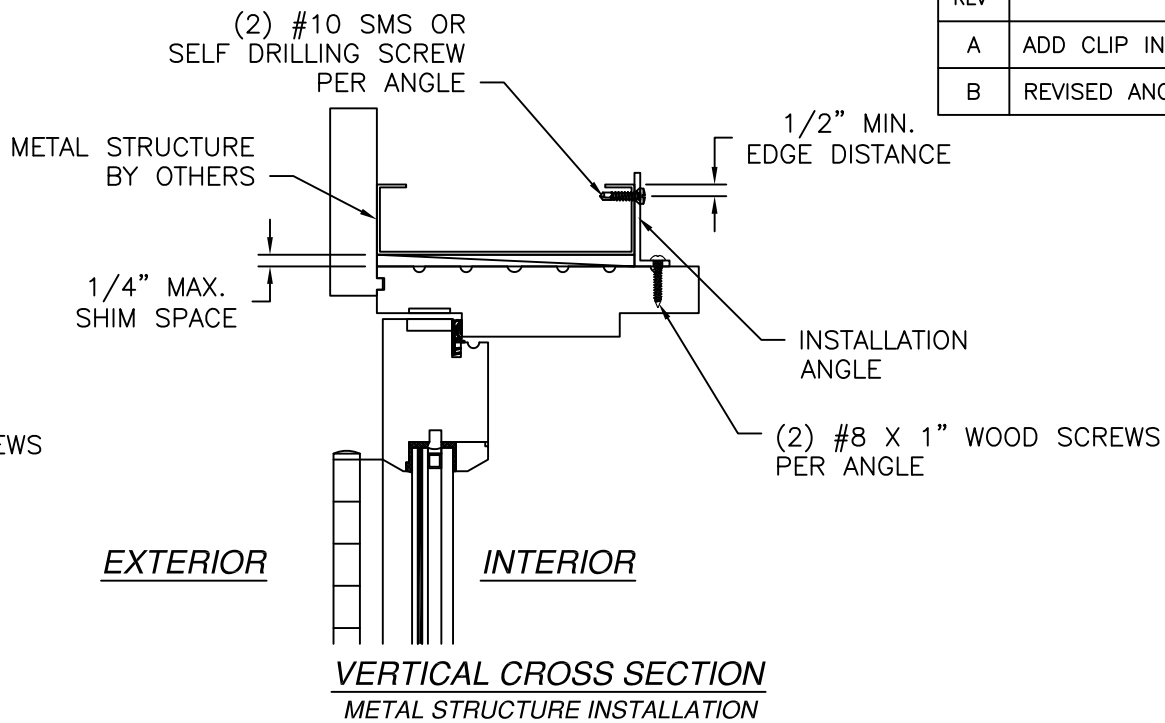
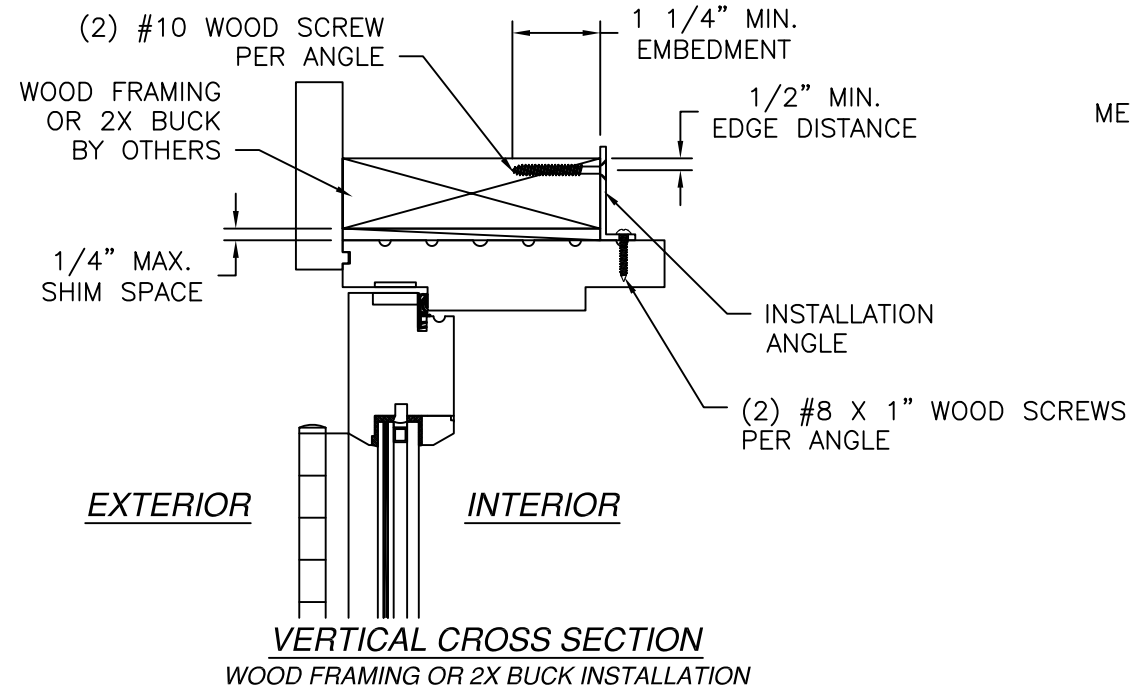
SIGNED: 07/20/2026

REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
FRENCH DOOR OUT-SWING WOOD, SINGLE & DOUBLE LARGE AND SMALL MISSILE IMPACT AND HVHZ INSTALLATION DETAILS W/CLIP		
DRAWN: N.G.	DWG NO. 08-02944	REV B
SCALE NTS	DATE 08/11/16	SHEET 7 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADD CLIP INSTALLATION	11/21/18	R.L.
B	REVISED ANCHOR DETAILS	09/27/21	R.L.



- 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. INSTALLATION BRACKETS TO BE SPACED AS INDICATED IN SHEET 3

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

FRENCH DOOR OUT-SWING WOOD, SINGLE & DOUBLE
LARGE AND SMALL MISSILE IMPACT AND HVHZ
INSTALLATION DETAILS W/ANGLE

DRAWN:
N.G.

DWG NO.
08-02944

REV
B

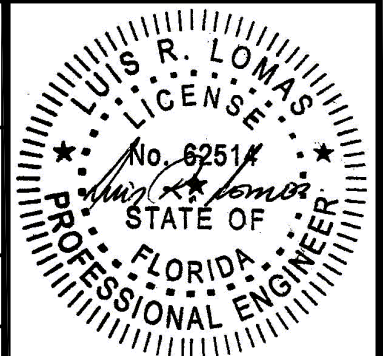
SCALE
NTS

DATE
08/11/16

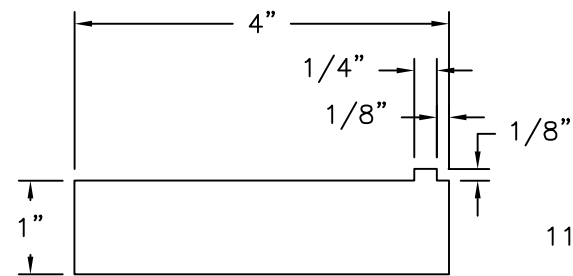
SHEET
8 OF 10

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

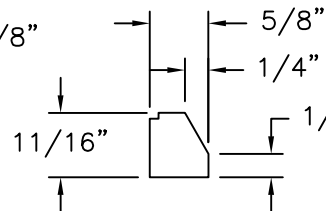
SIGNED: 07/20/2026



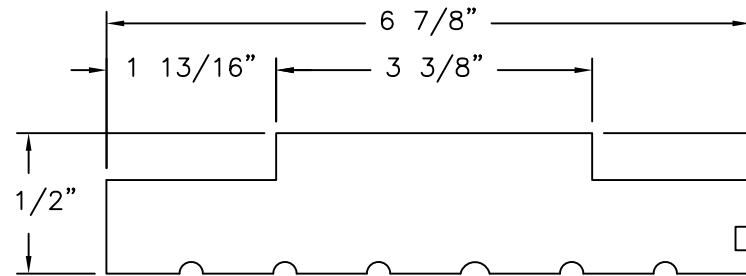
Luis R. Lomas P.E.
FL No.: 62514



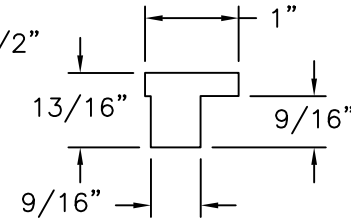
CASING
MAHOGANY



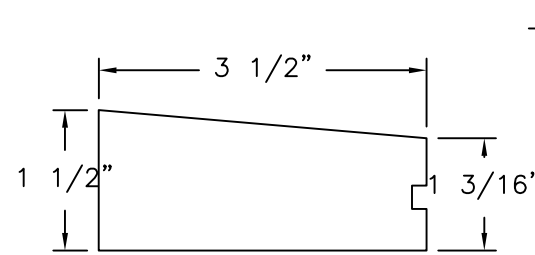
GLAS STOP
MAHOGANY



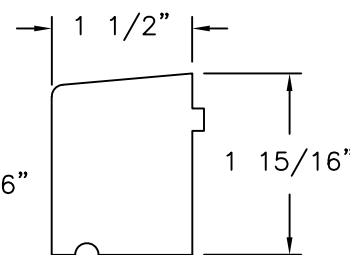
JAMB
MAHOGANY



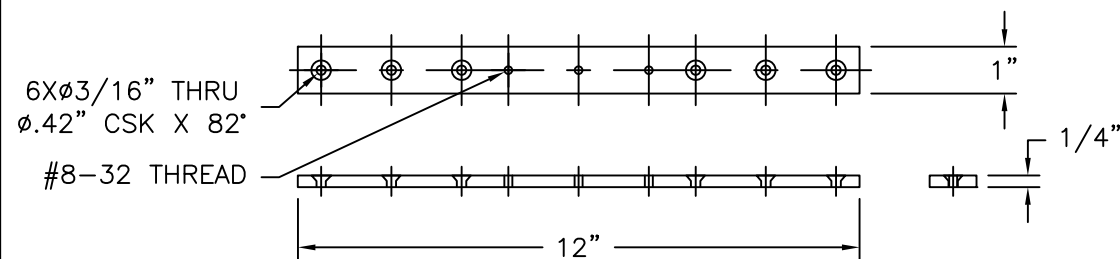
SUPPORT BLOCK
MAHOGANY



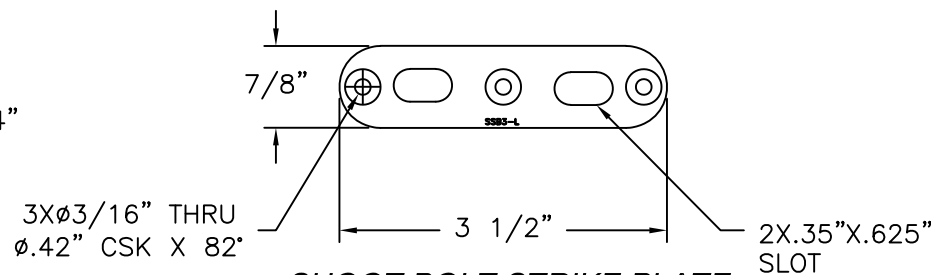
DOOR SILL
MAHOGANY



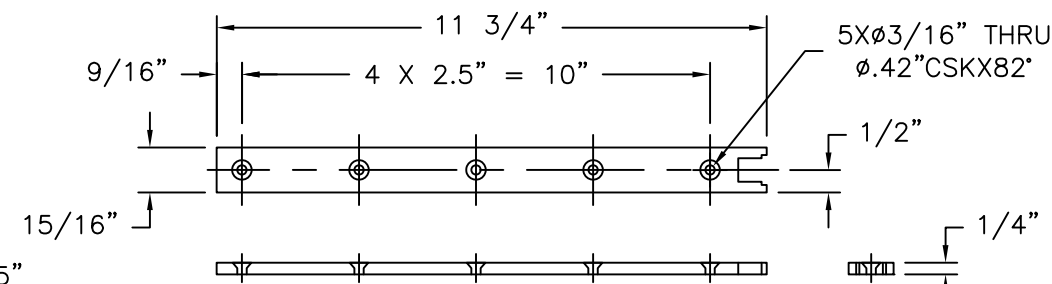
SILL NOSE
MAHOGANY



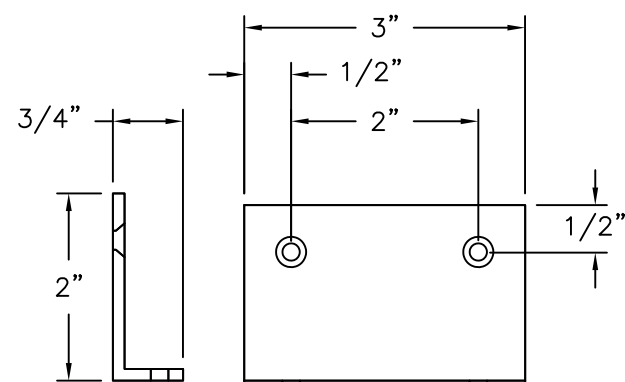
JAMB SUPPORT
316 STAINLESS STEEL



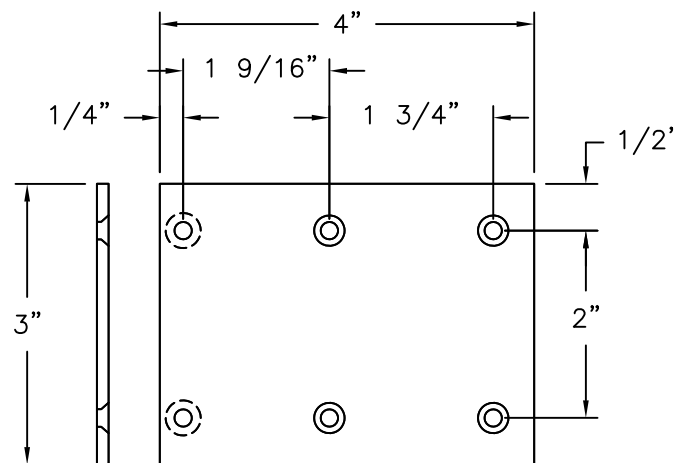
SHOOT BOLT STRIKE PLATE
316 STAINLESS STEEL



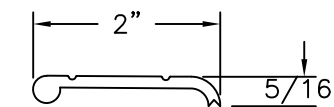
REINFORCEMENT PLATE
316 STAINLESS STEEL



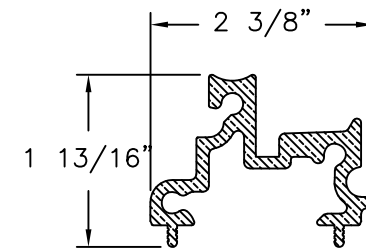
INSTALLATION ANGLE
ALUMINUM 6063-T5 .125" THICK



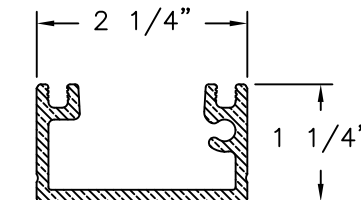
INSTALLATION BRACKET
ALUMINUM 6063-T5 .125" THICK



THRESHOLD
BRONZE



SILL EXTRUSION
BRONZE



SILL EXTRUSION
BRONZE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADD CLIP INSTALLATION	11/21/18	R.L.
B	REVISED ANCHOR DETAILS	09/27/21	R.L.

SIGNED: 07/20/2026

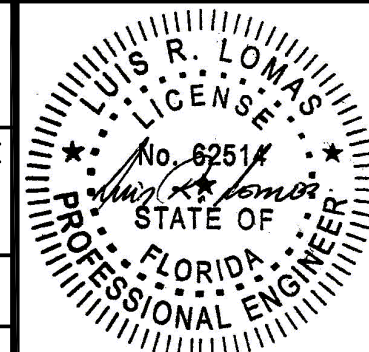
REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

FRENCH DOOR OUT-SWING WOOD, SINGLE & DOUBLE
LARGE AND SMALL MISSILE IMPACT AND HVHZ
COMPONENTS

DRAWN: N.G.	DWG NO. 08-02944	REV B
SCALE NTS	DATE 08/11/16	SHEET 9 OF 10

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



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

