

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADD CLIP INSTALLATION	11/21/18	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" 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. 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 UNIT FRAME 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 2 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 FRAMING USE #10 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 THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" 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.
18. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #14 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.
19. ALL FASTENERS TO BE CORROSION RESISTANT.
20. 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
21. WINDOW MAY BE INSTALLED IN VERTICAL DIRECTION.

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REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

FIXED IMPACT WOOD WINDOW
LARGE AND SMALL MISSILE IMPACT – HVHZ
NOTES

DRAWN:
R.L.

DWG NO.
08-00286

REV
E

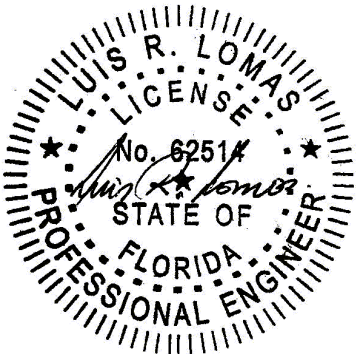
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DATE 10/17/07

SHEET 1 OF 12

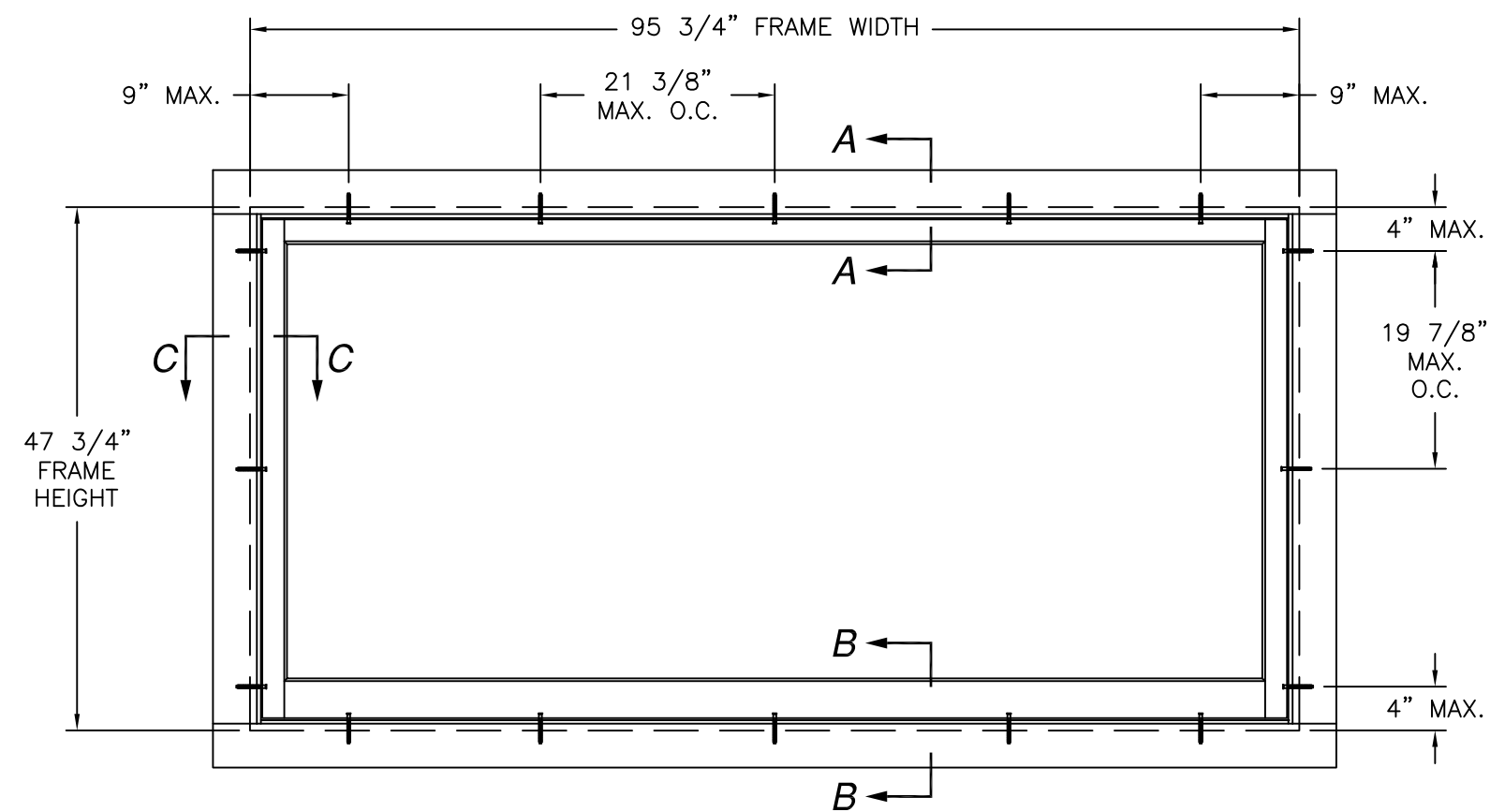
L. ROBERTO LOMAS P.E.
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SIGNED: 07/29/2026



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

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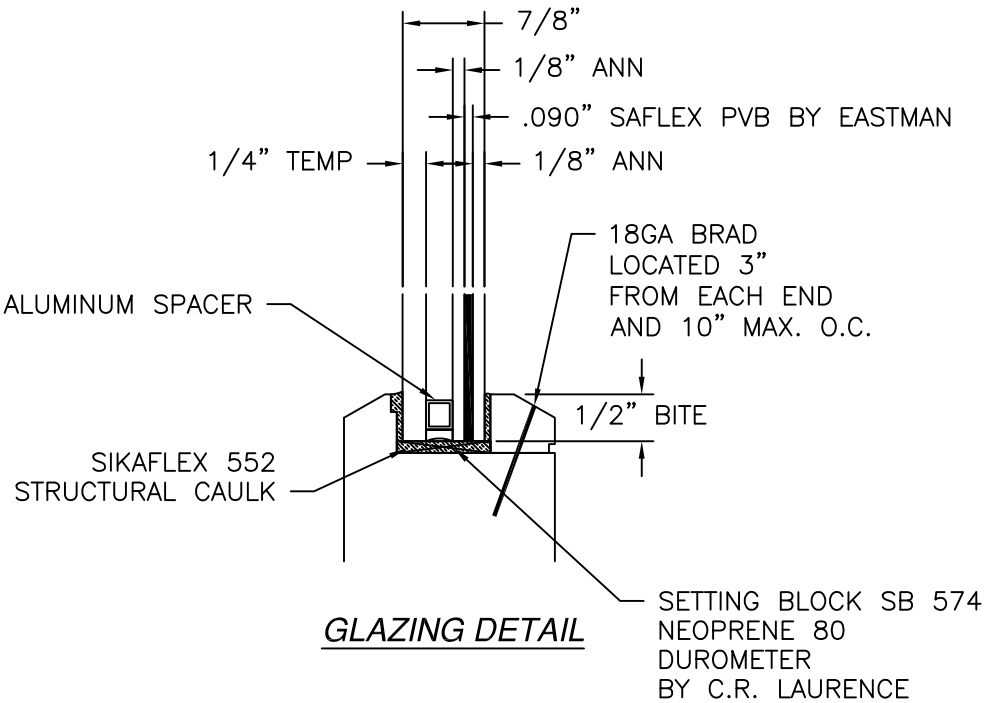


FIXED IMPACT WOOD WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
95 3/4" X 47 3/4" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 31.75 FT²

NOTES:
1. D.L.O.: 89" X 39 5/8"



GLAZING DETAIL

SIGNED: 07/29/2026

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CALVERTON, NY 11933

FIXED IMPACT WOOD WINDOW
LARGE AND SMALL MISSILE IMPACT – HVHZ
ELEVATION AND GLAZING DETAIL

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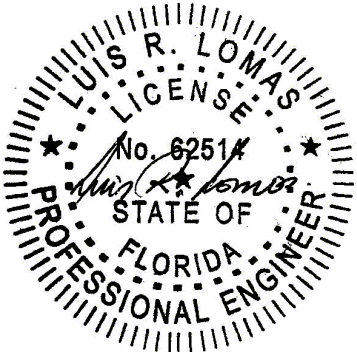
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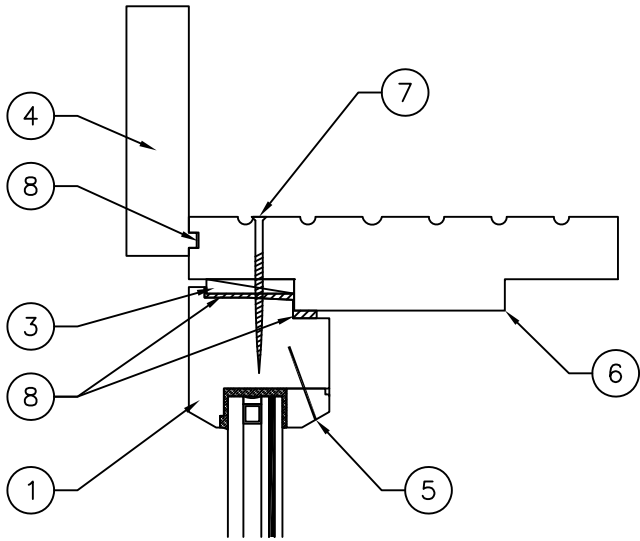
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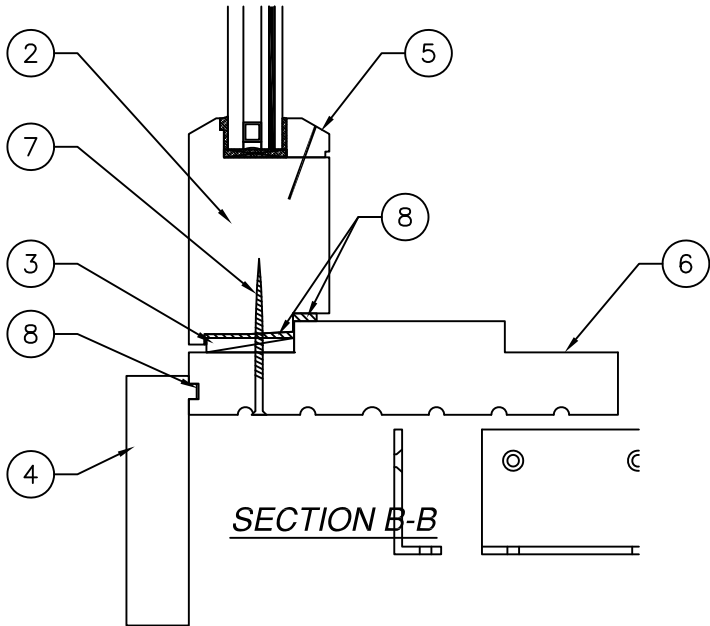


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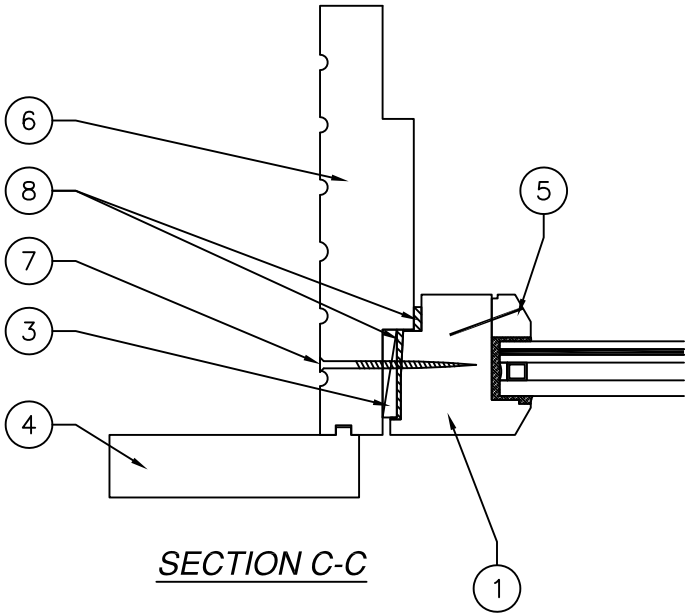
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NO.	PART NUMBER	DESCRIPTION
1	A1.7	FIXED-STILE/RAIL, MAHOGANY
2	A3.1	STILE/RAIL, MAHOGANY
3	BL1.4	FIXED BLOCKING, MAHOGANY
4	CA4	CASING, MAHOGANY
5	GSA	GLASS STOP, MAHOGANY
6	J6.8	JAMB, MAHOGANY
7		#8x2 1/2" ZINC PLATED WOOD SCREW
8	552	STRUCTURAL CAULK, SIKAFLEX



SECTION A-A



SECTION B-B



SECTION C-C

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FIXED IMPACT WOOD WINDOW
LARGE AND SMALL MISSILE IMPACT – HVHZ
CROSS SECTIONS AND B.O.M.

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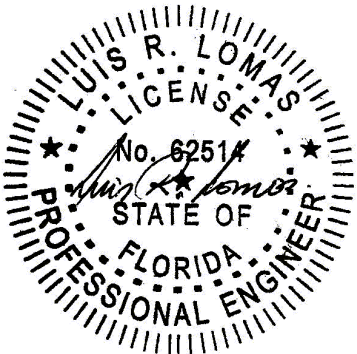
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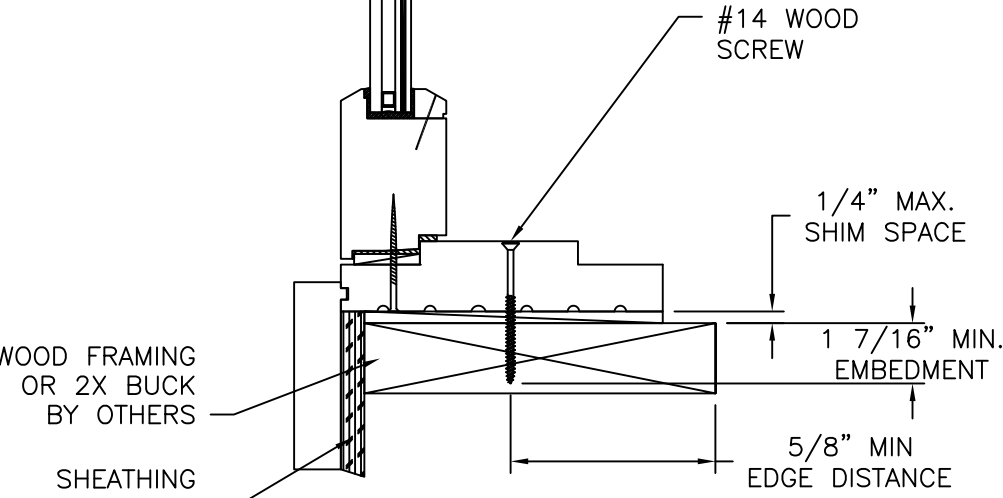
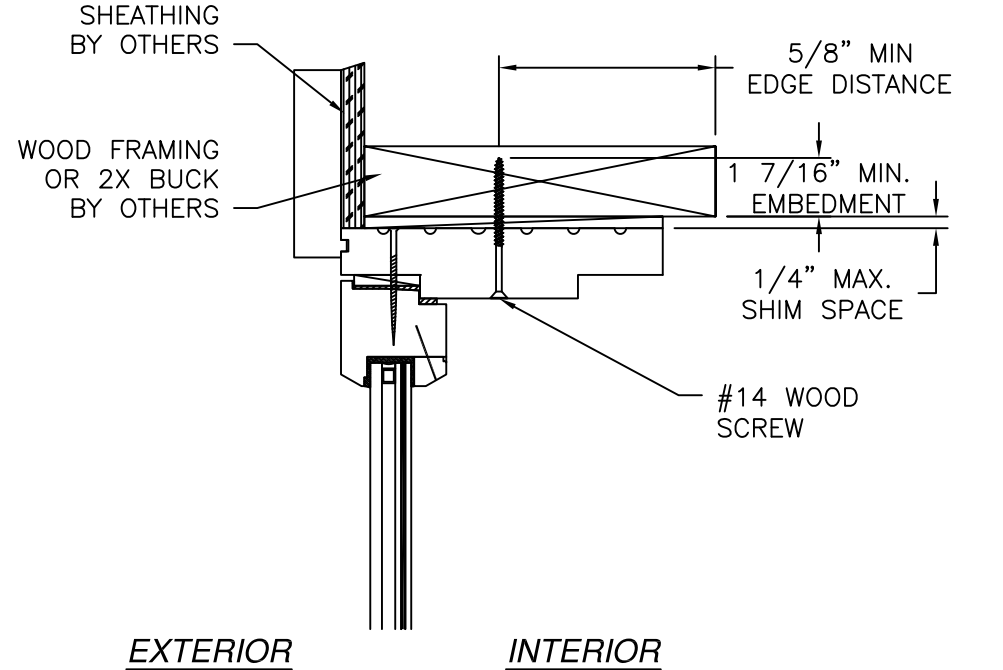
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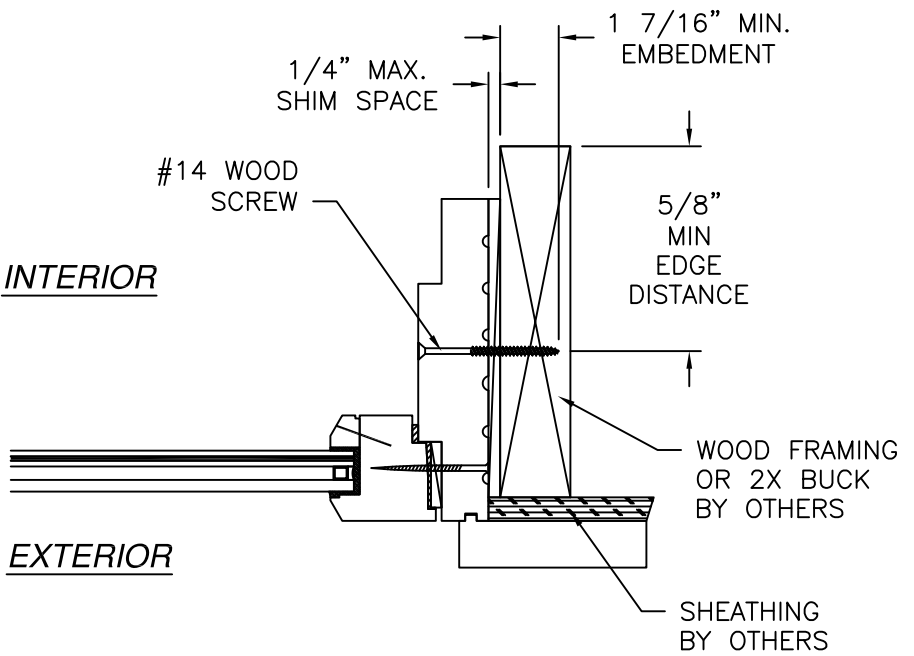


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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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

SIGNED: 07/29/2026

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

FIXED IMPACT WOOD WINDOW
LARGE AND SMALL MISSILE IMPACT – HVHZ
INSTALLATION DETAILS

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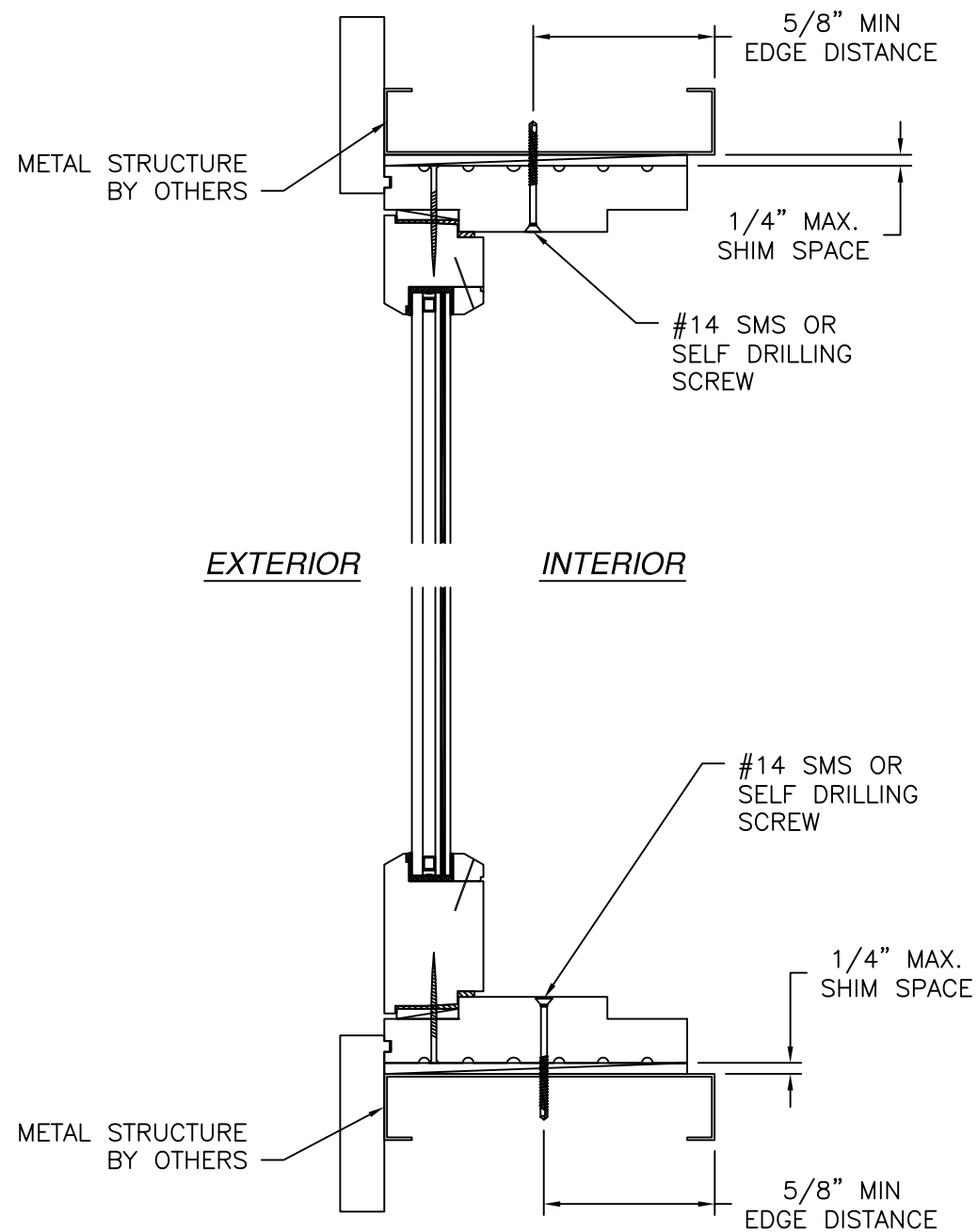
SHEET
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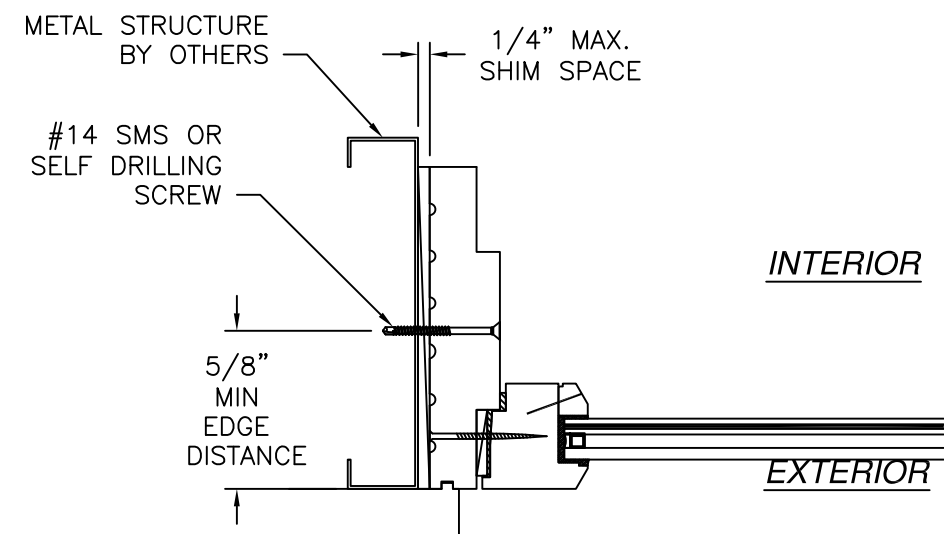
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STATE OF
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PROFESSIONAL ENGINEER

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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

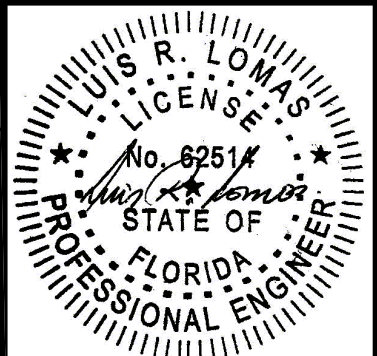


JAMB INSTALLATION DETAIL
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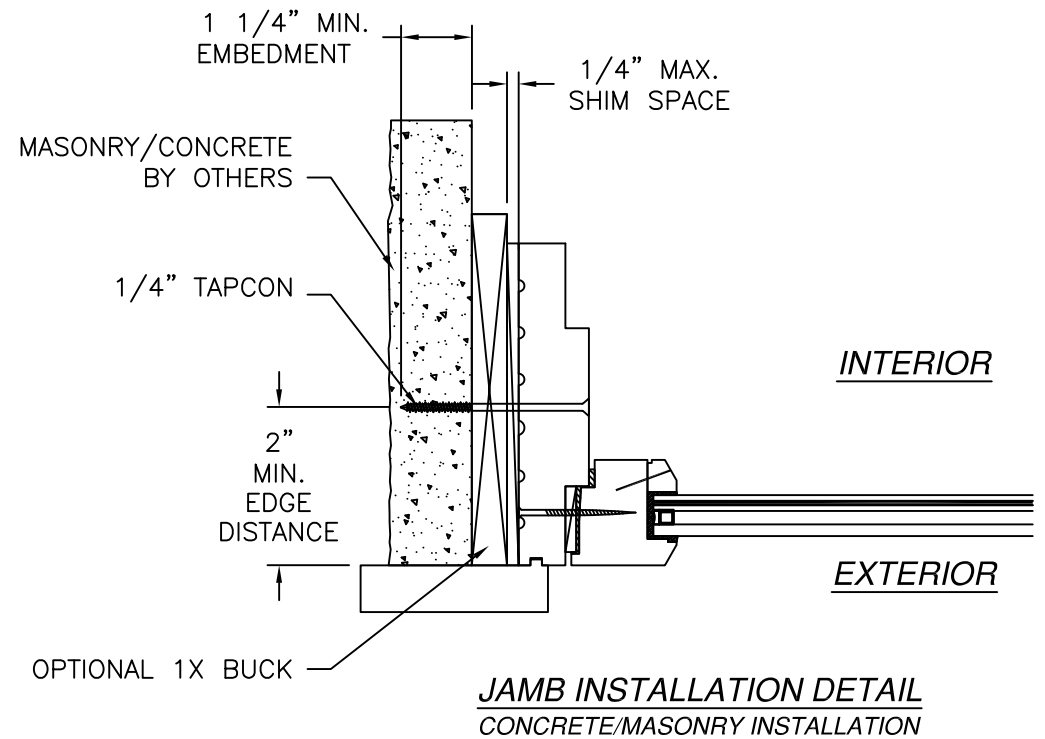
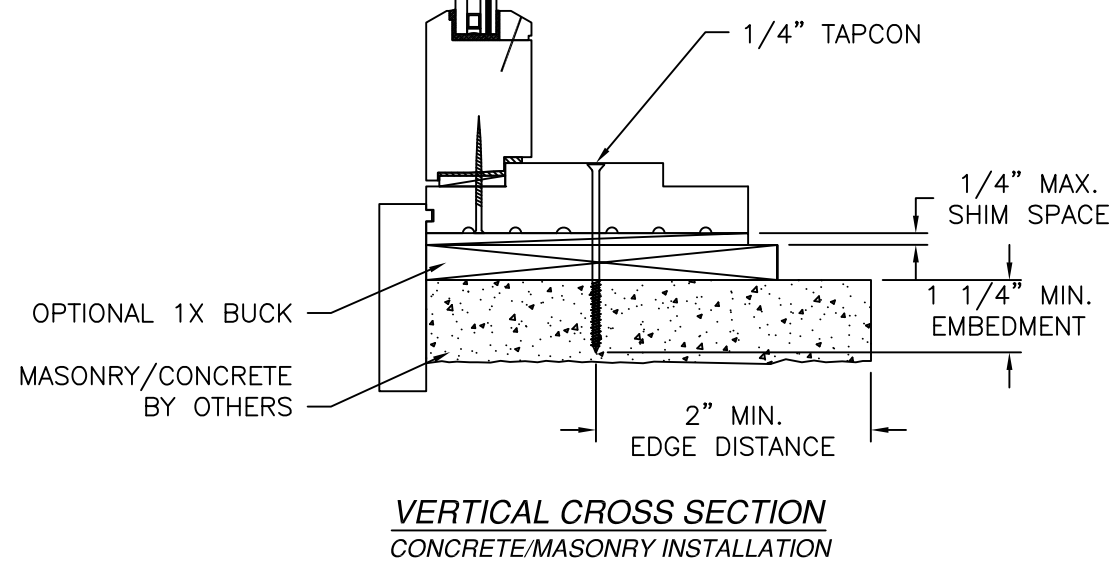
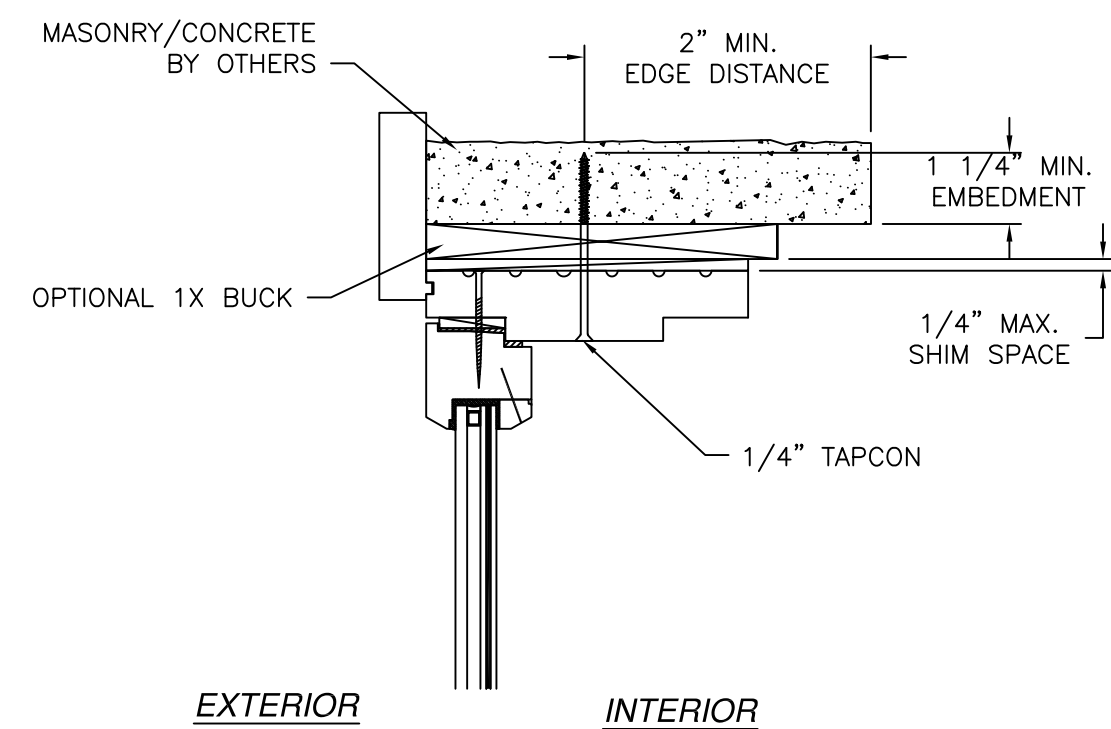
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REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
FIXED IMPACT WOOD WINDOW LARGE AND SMALL MISSILE IMPACT - HVHZ INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-00286	REV E
SCALE NTS	DATE 10/17/07	SHEET 5 OF 12
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FIXED IMPACT WOOD WINDOW
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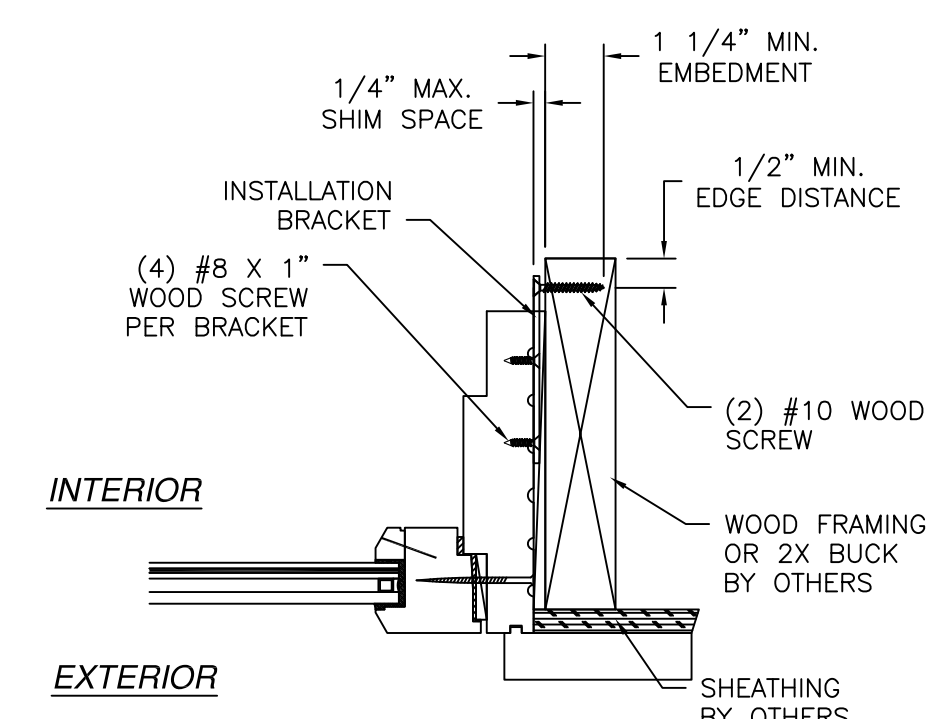
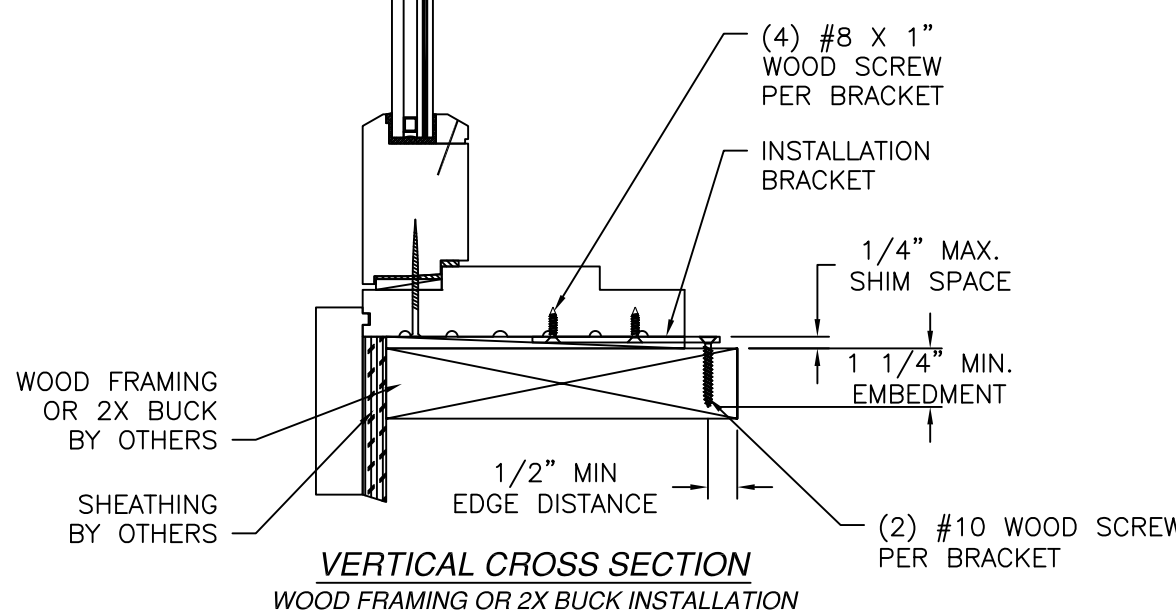
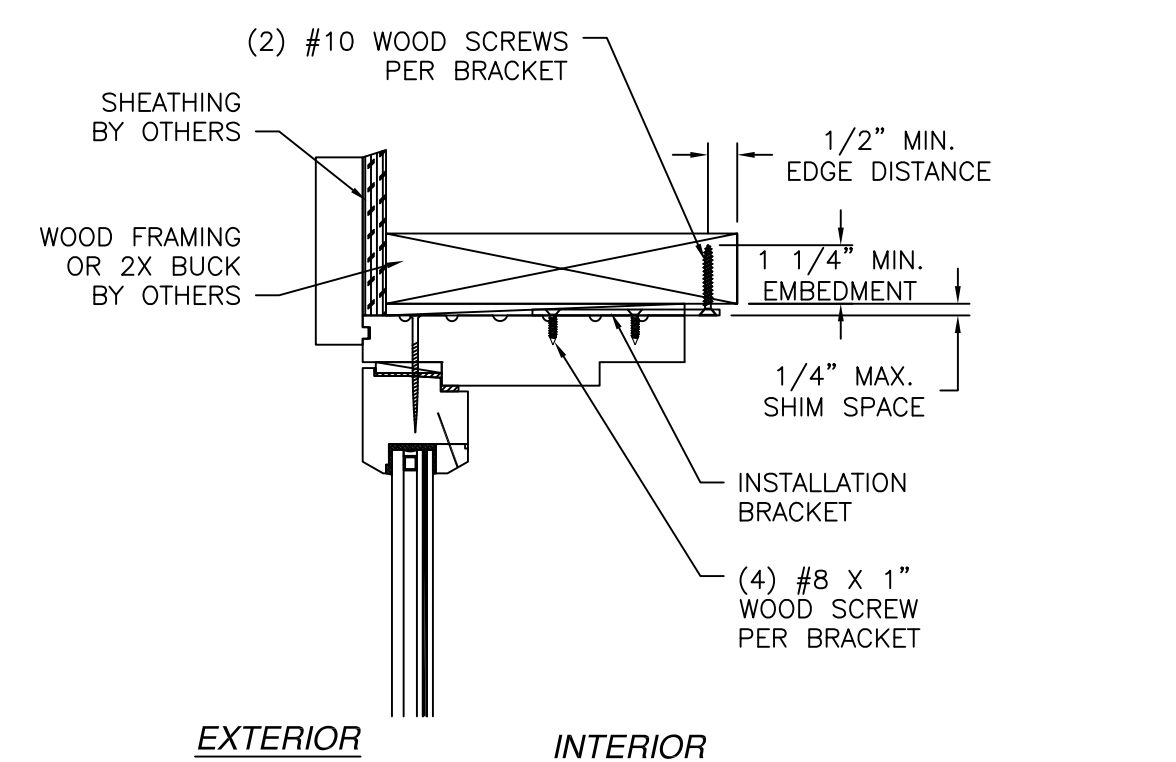
SHEET
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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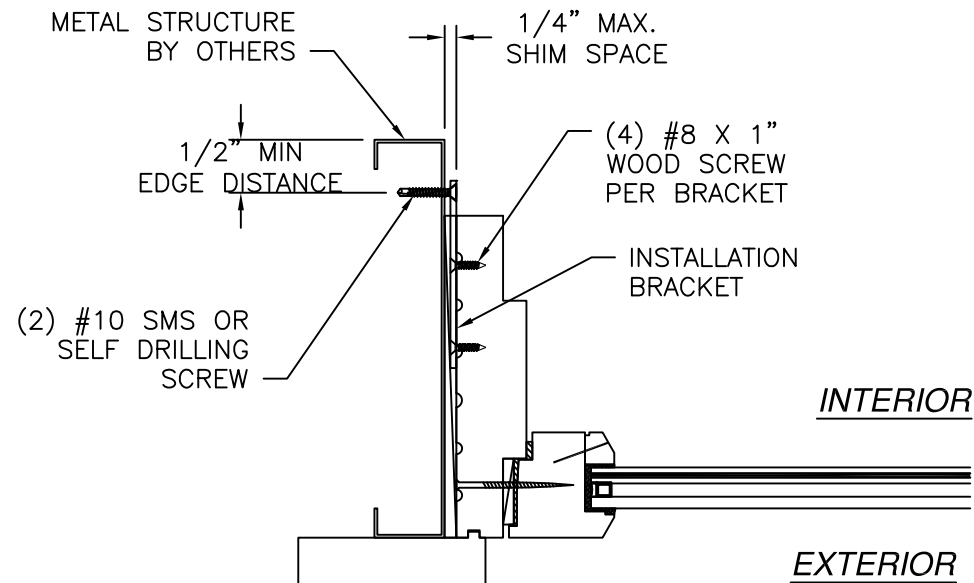
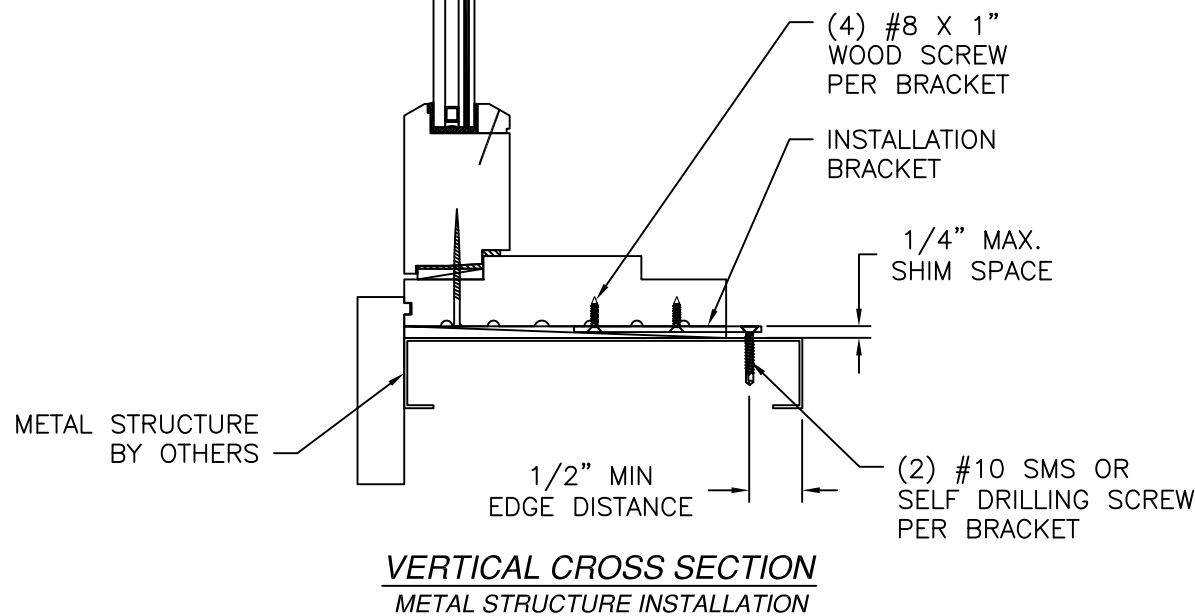
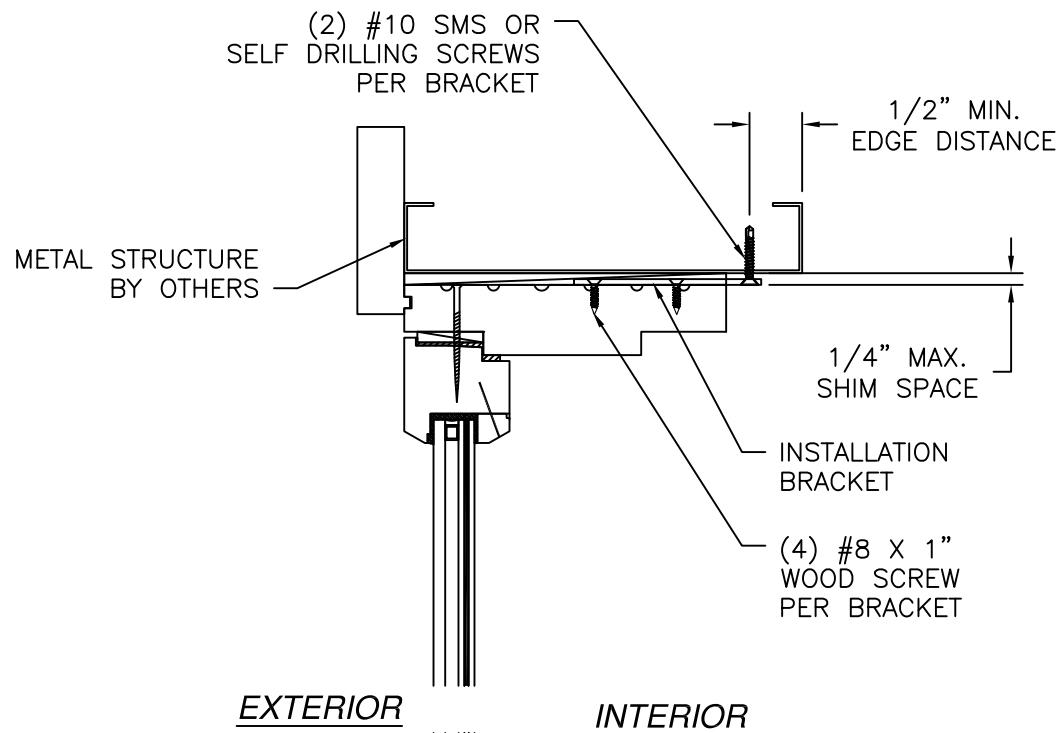
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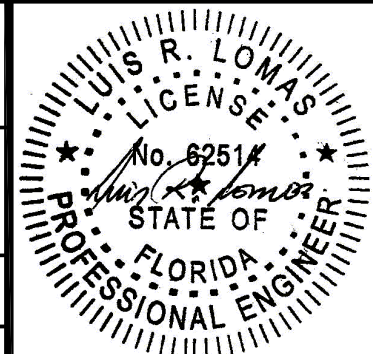


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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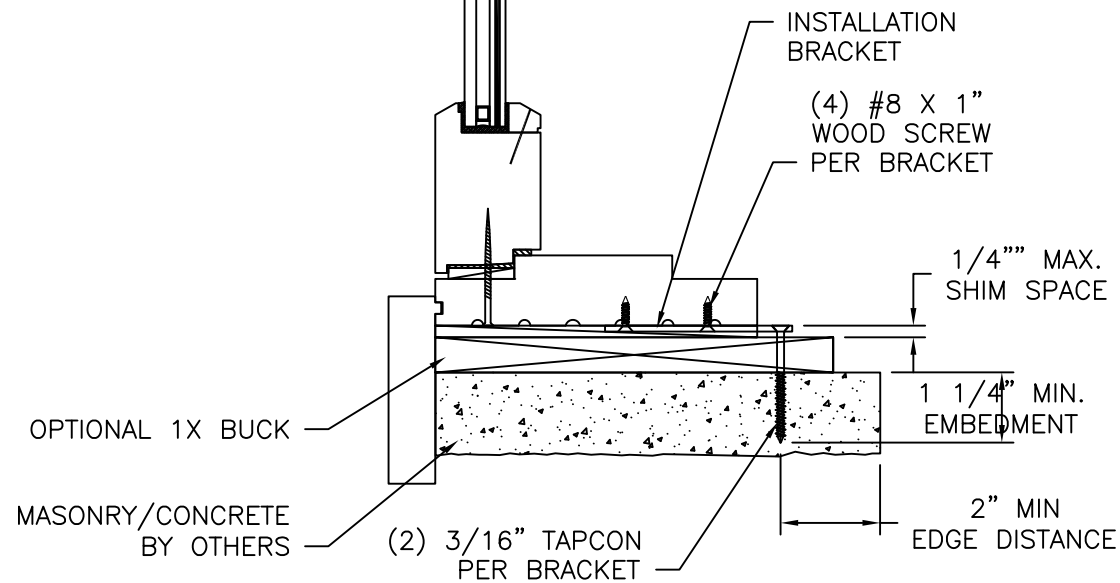
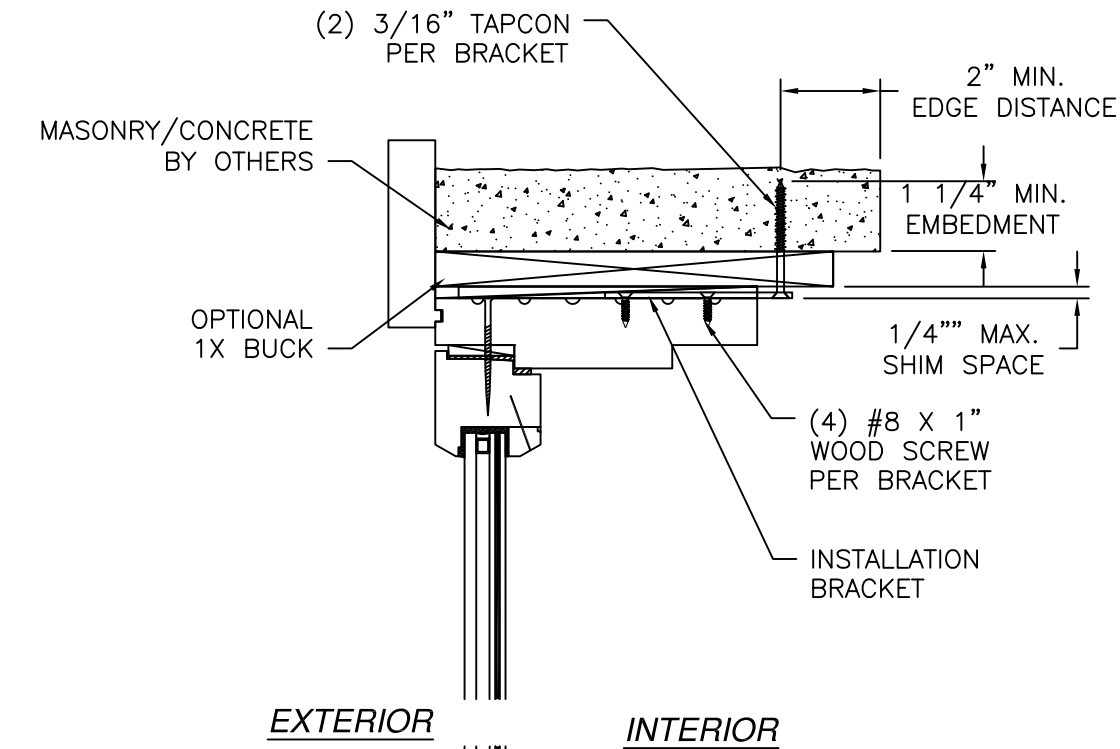
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REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
FIXED IMPACT WOOD WINDOW LARGE AND SMALL MISSILE IMPACT – HVHZ INSTALLATION DETAILS W/CLIP		
DRAWN: R.L.	DWG NO. 08-00286	REV E
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

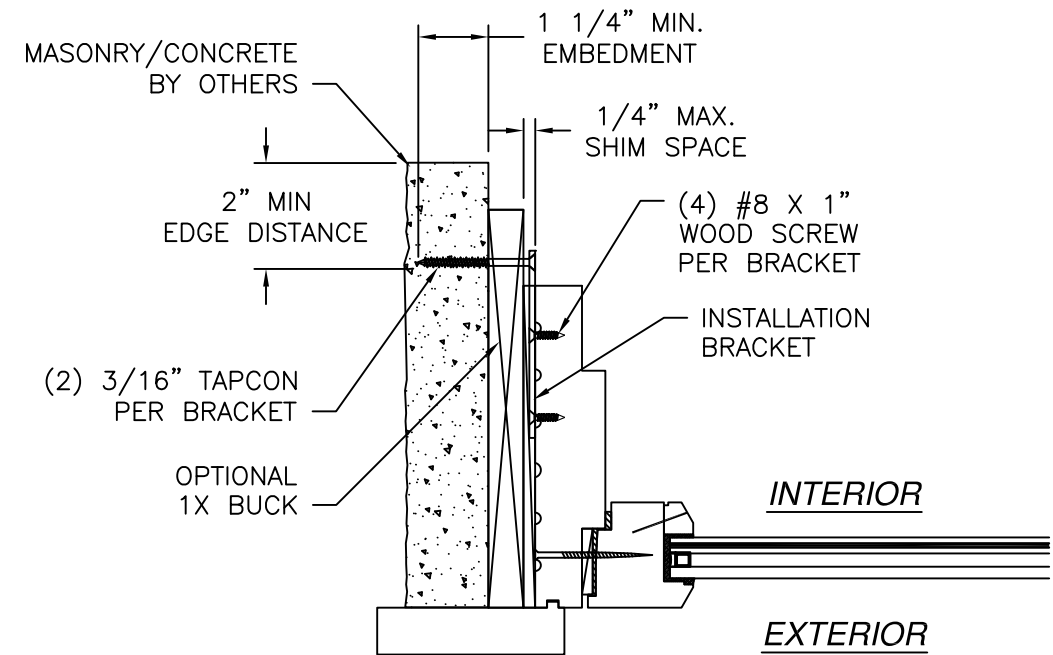


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VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



JAMB INSTALLATION DETAIL
MASONRY/CONCRETE INSTALLATION

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REILLY WINDOWS & DOORS

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CALVERTON, NY 11933

FIXED IMPACT WOOD WINDOW

LARGE AND SMALL MISSILE IMPACT – HVHZ

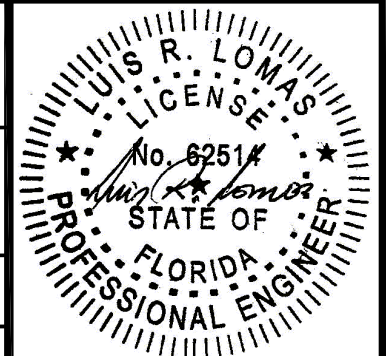
INSTALLATION DETAILS W/CLIP

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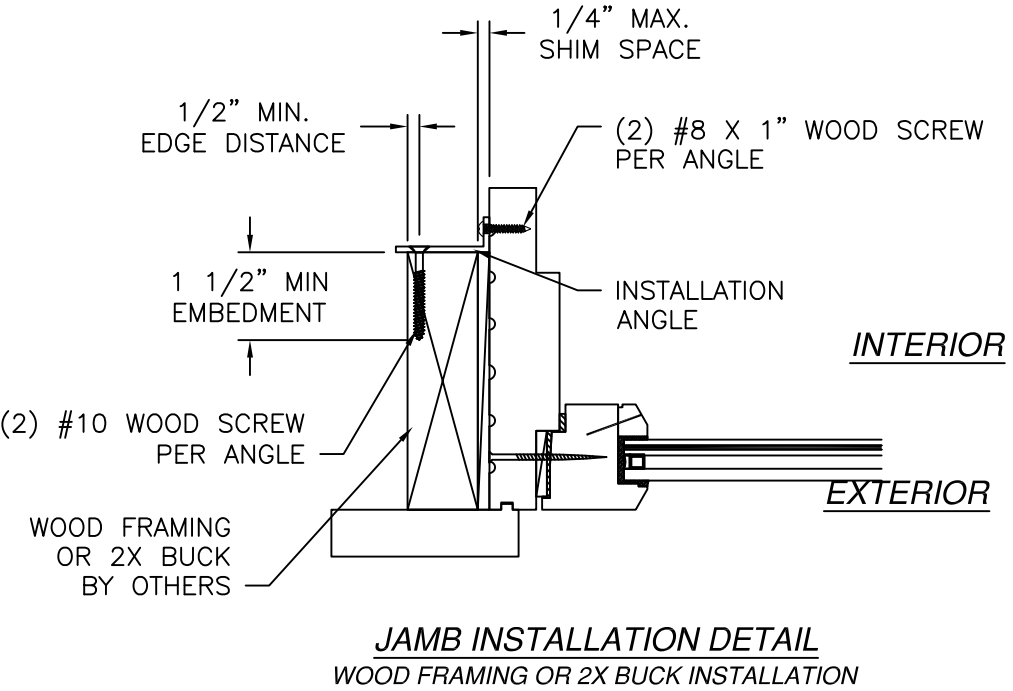
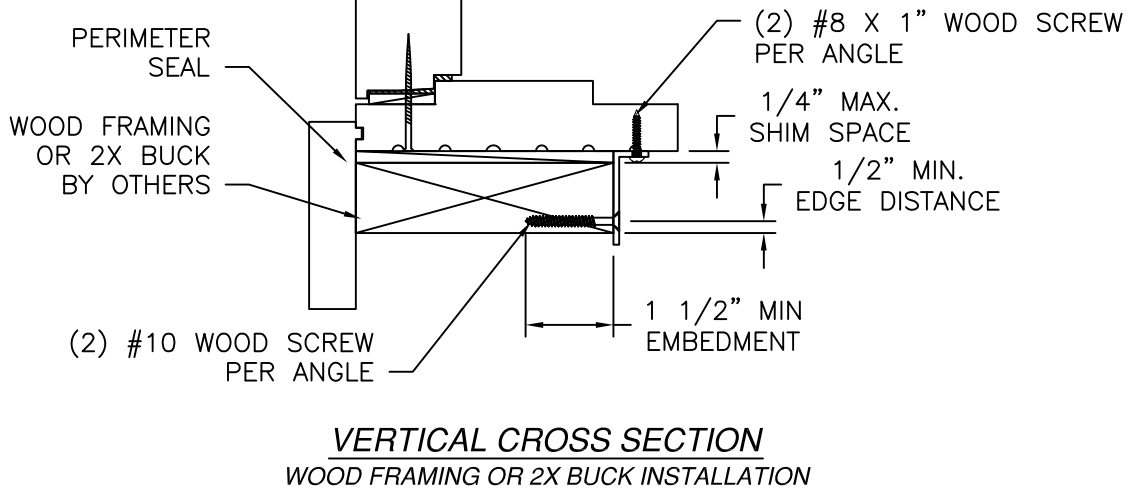
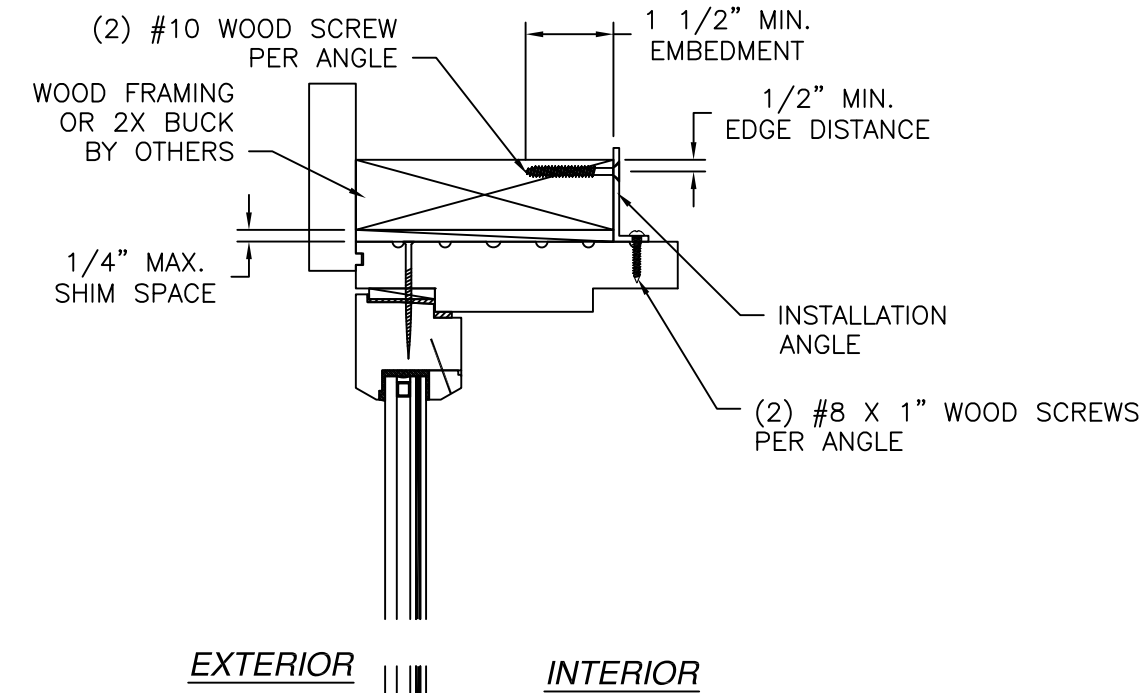
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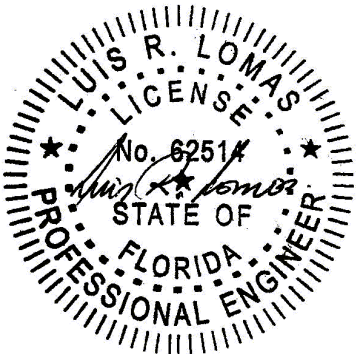
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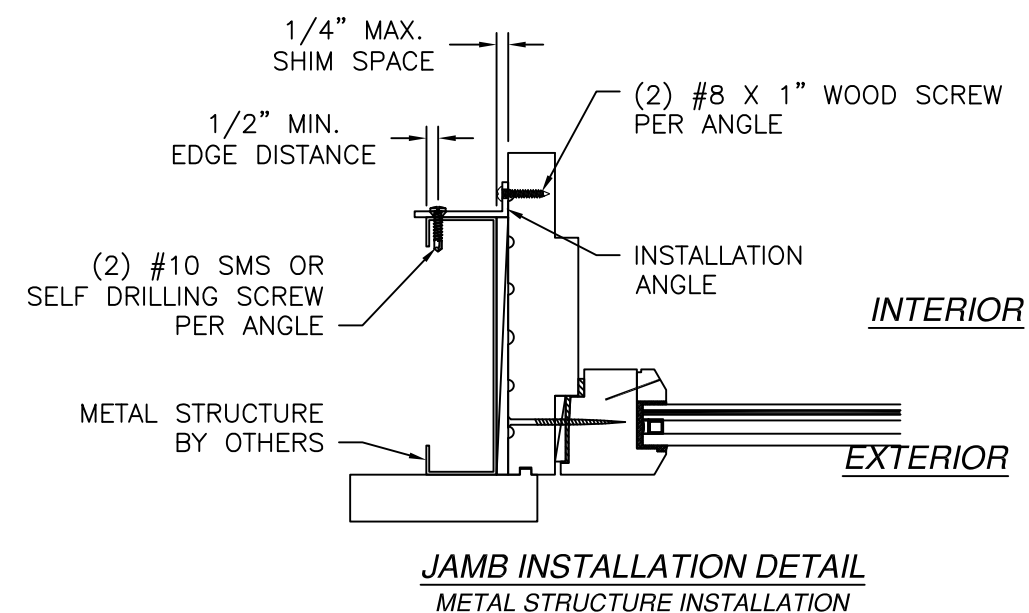
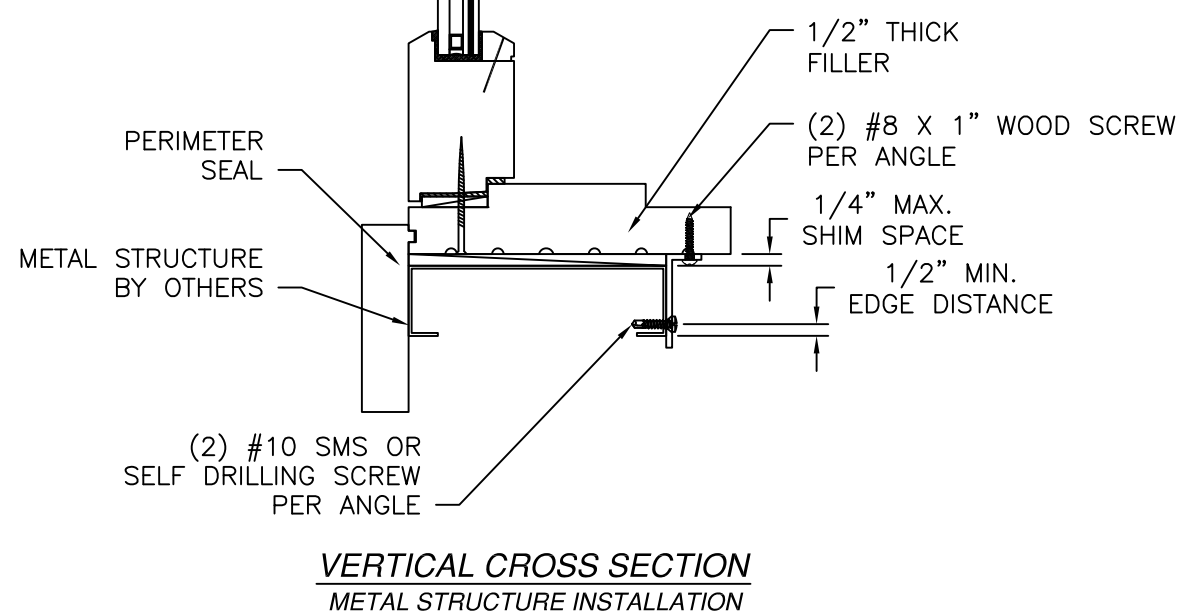
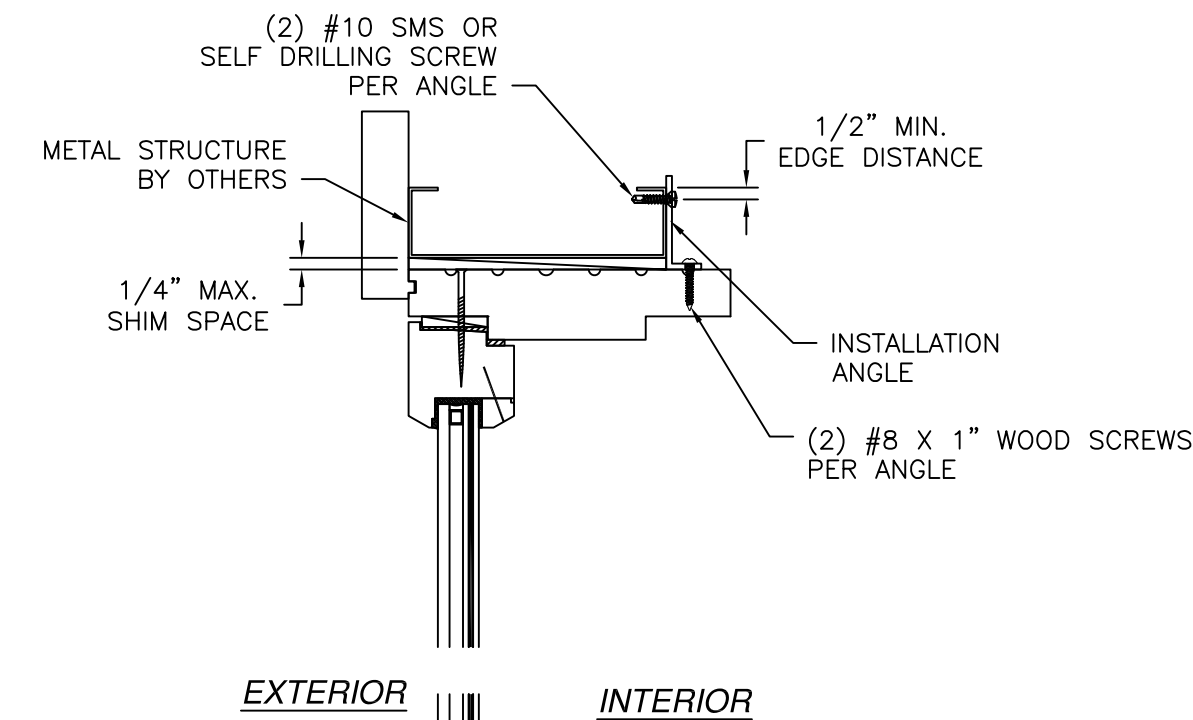
SHEET 10 OF 12

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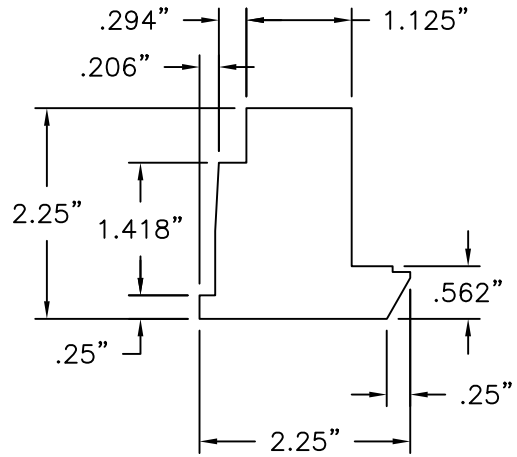
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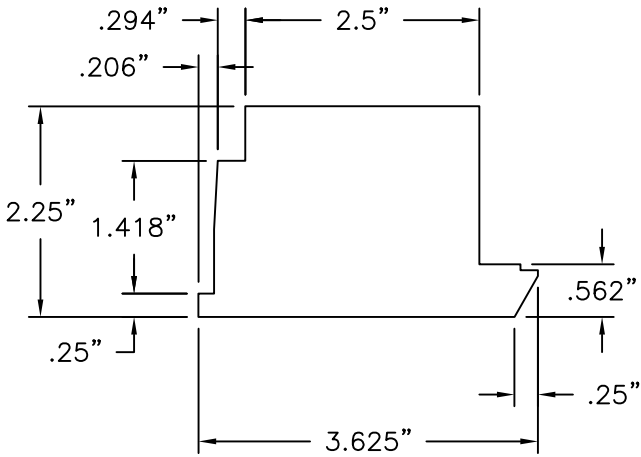
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

Luis R. Lomas
Professional Engineer
No. 62514
STATE OF FLORIDA

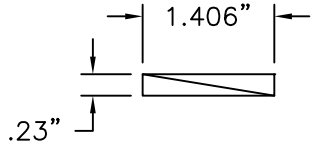
Luis R. Lomas P.E.
FL No.: 62514



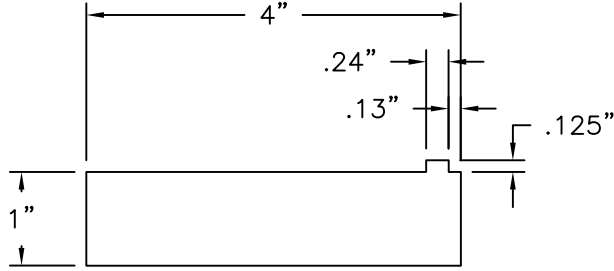
① FIXED-STILE/RAIL
MAHOGANY



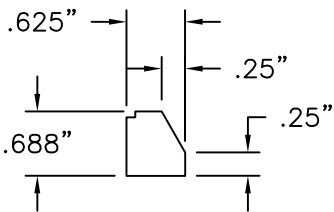
② STILE/RAIL
MAHOGANY



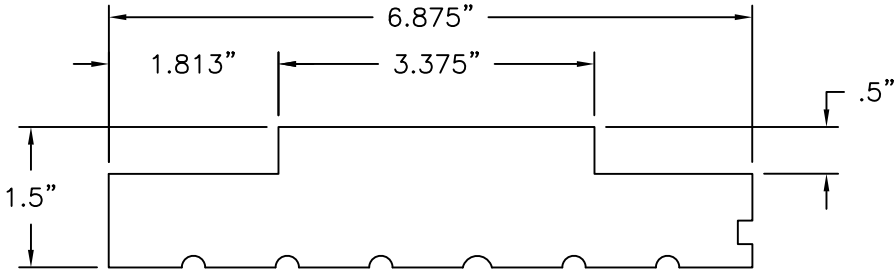
③ FIXED BLOCKING
MAHOGANY



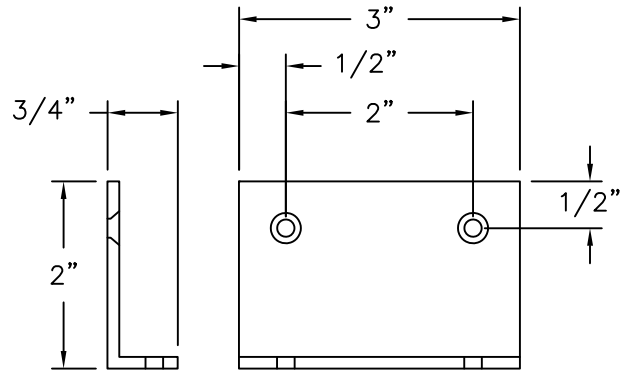
④ CASING
MAHOGANY



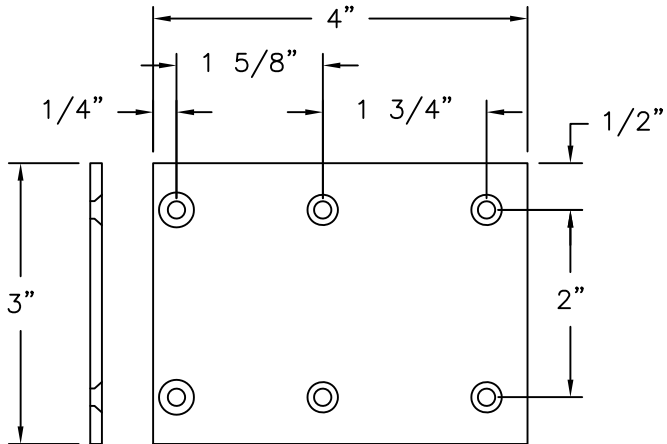
⑤ GLAS STOP
MAHOGANY



⑥ JAMB
MAHOGANY



INSTALLATION ANGLE
ALUMINUM 6063-T5 .125 " THICK



INSTALLATION BRACKET
ALUMINUM 6063-T5 .125 " THICK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADD CLIP INSTALLATION	11/21/18	R.L.

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

FIXED IMPACT WOOD WINDOW
LARGE AND SMALL MISSILE IMPACT – HVHZ
COMPONENTS

DRAWN:
R.L.

DWG NO.
08-00286

REV
E

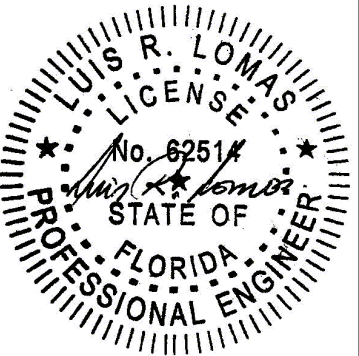
SCALE
NTS

DATE
10/17/07

SHEET
12 OF 12

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SIGNED: 07/29/2026



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