

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADD CLIP INSTALLATION	11/15/18	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. 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 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 INTO MASONRY/CONCRETE USE 3/16" 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 .048" THICK MINIMUM
19. GEOMETRIC SHAPES ARE ALSO APPROVED. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED INSCRIBED DIMENSIONS OF APPROVED RECTANGULAR ASSEMBLY SHOWN IN SHEET 2.

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2	ELEVATION
3	CROSS SECTIONS, B.O.M. & GLAZING DETAIL
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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

K01 DUAL ACTION WOOD WINDOW
LARGE AND SMALL MISSILE IMPACT - HVHZ
NOTES

DRAWN:
R.L.

DWG NO.
08-00288

REV
E

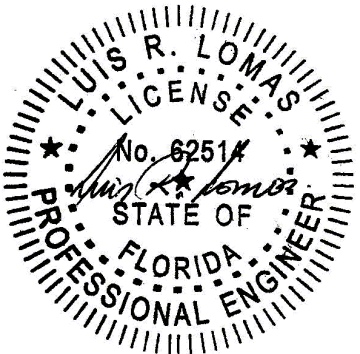
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DATE 10/17/07

SHEET 1 OF 13

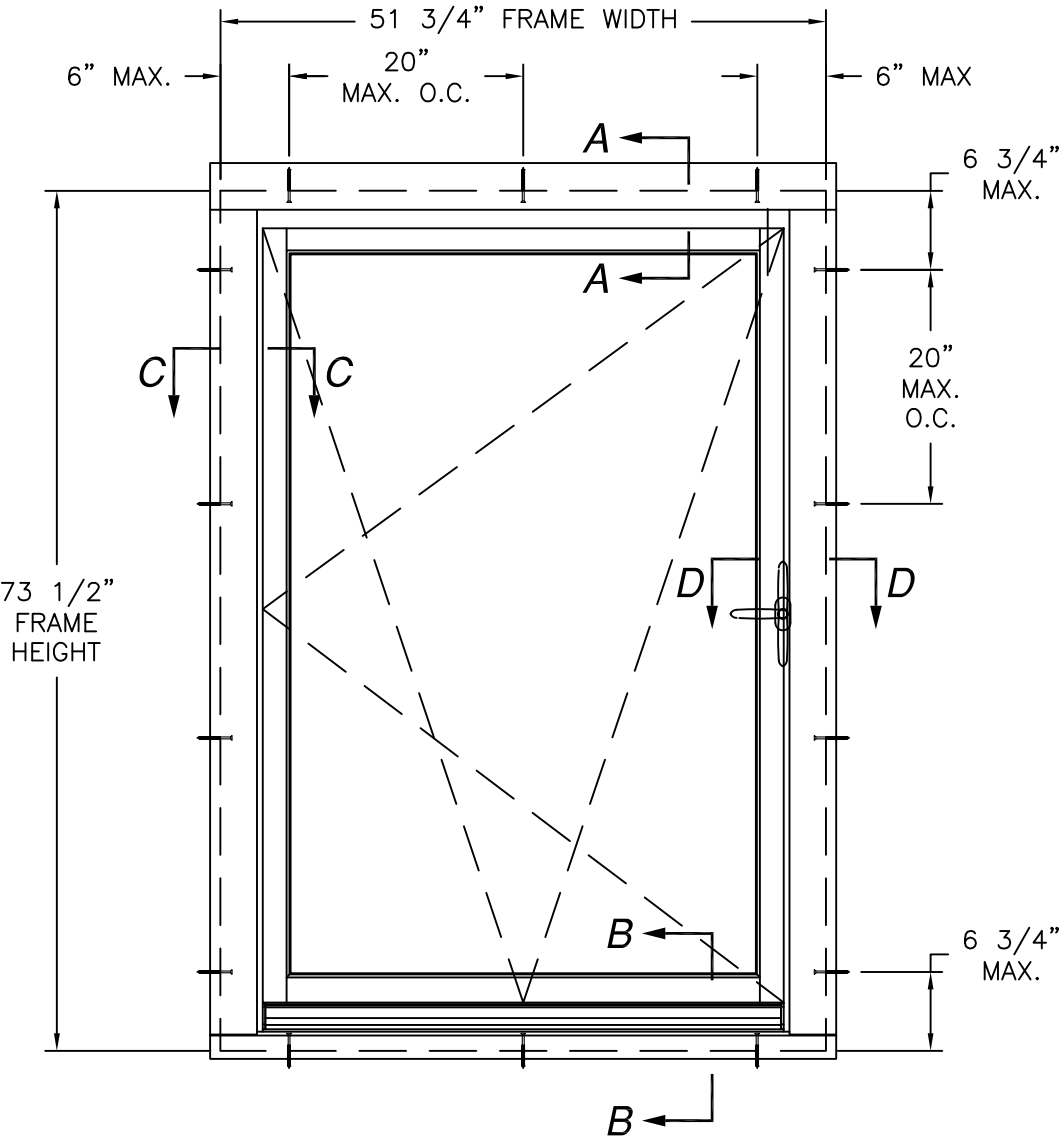
L. ROBERTO LOMAS P.E.
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SIGNED: 07/20/2026



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

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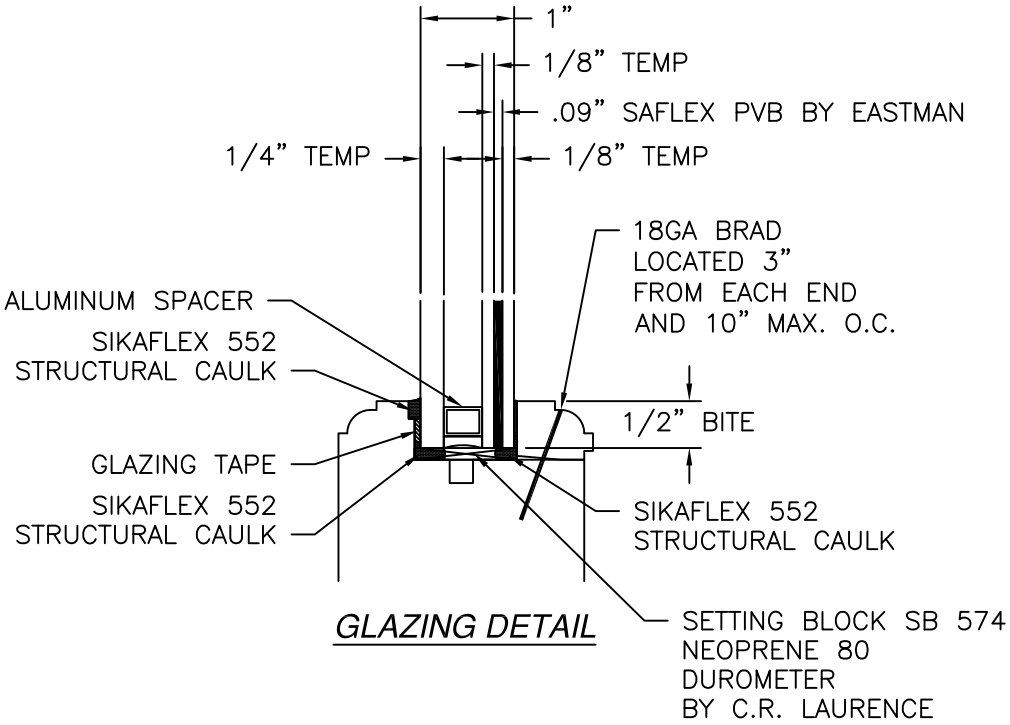
NOTES:
1. PANEL SIZE: 47 3/4" X 69 1/2"
2. D.L.O.: 39 3/4" X 61 17/32"

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

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ.
51 3/4" X 73 1/2" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 26.41FT²

HARDWARE SCHEDULE

A.	(1) ROTO LOCK HANDLE OPERATOR AT LOCK STILE, 34" FROM BOTTOM RAIL
B.	(4) MOBILE LOCK BAR WITH ADJACENT SNUBBER, 14", 30", 44" AND 58" FROM SILL ON LOCK STILE
C.	(2) PIN AND BARREL HINGES, 2" FROM TOP, BOTTOM RAIL OF VENT



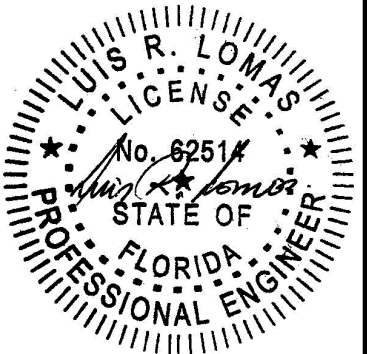
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REILLY WINDOWS & DOORS

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CALVERTON, NY 11933

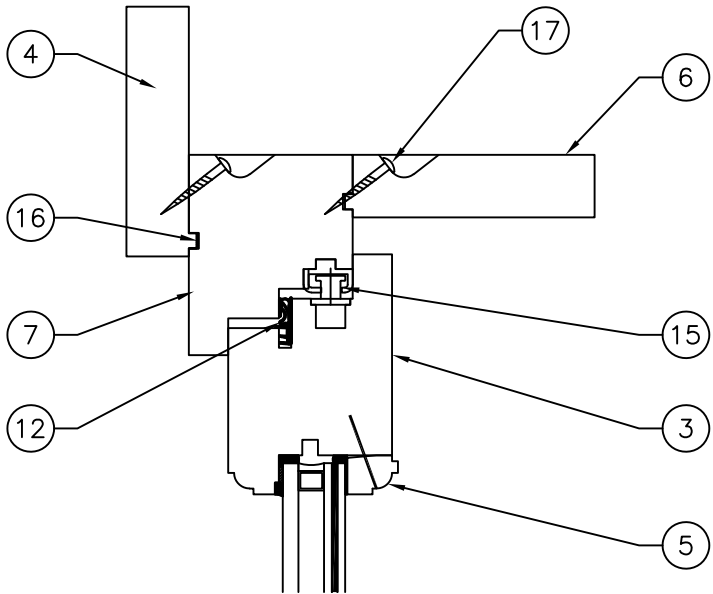
K01 DUAL ACTION WOOD WINDOW
LARGE AND SMALL MISSILE IMPACT - HVHZ
ELEVATION

DRAWN: R.L.	DWG NO. 08-00288	REV E
SCALE NTS	DATE 10/17/07	SHEET 2 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

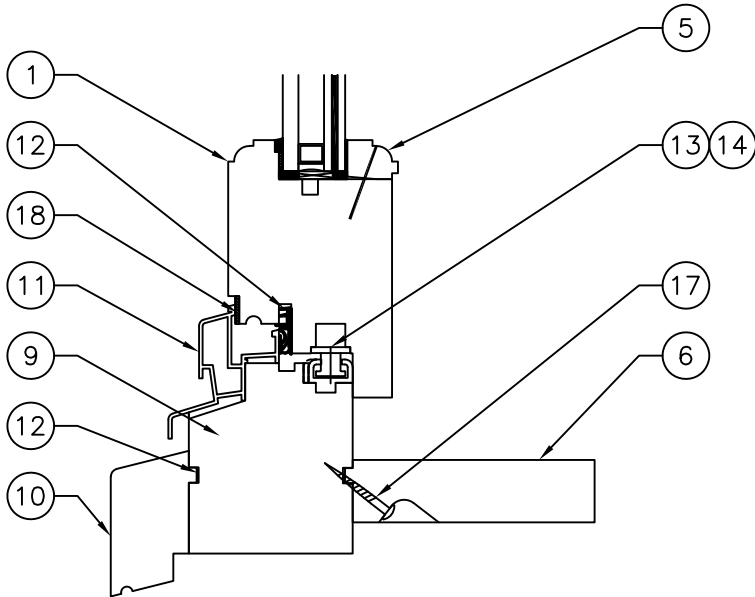


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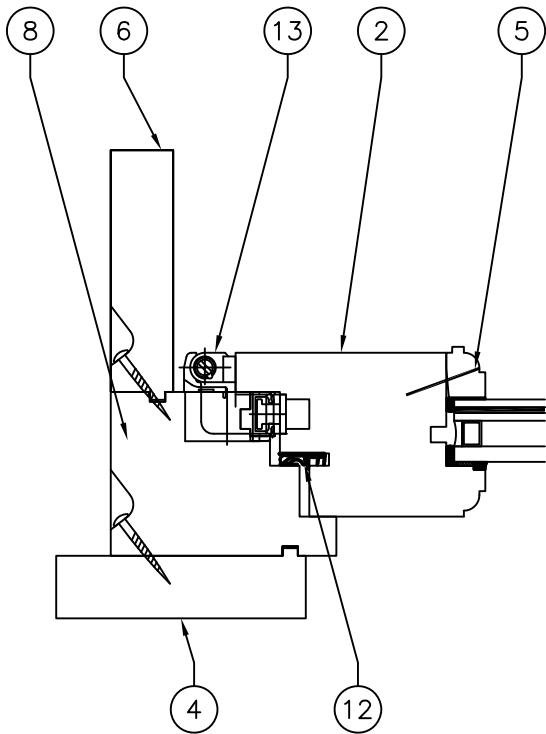
PARTS LIST		
NO.	PART NUMBER	DESCRIPTION
1	A3.62	BR & MEETING STILE, MAHOGANY
2	A3.5	STILE, MAHOGANY
3	A3.34	HEAD RAIL, MAHOGANY
4	CA4	CASING, MAHOGANY
5	GSA	GLASS STOP, MAHOGANY
6	JX3.8	JAMB EXTENSION, MAHOGANY
7	J3.2	JAMB HEAD, MAHOGANY
8	J3.6	JAMB LEGS, MAHOGANY
9	SL3	SILL, MAHOGANY
10	SN1.2A	SILL NOSING, MAHOGANY
11	AL1784-5M	DRAINAGE CHANNEL
12	WS24-10164	WEATHERSEAL, RCT
13	337708	TILT & TURN HARDWARE, ROTO-FRANK
14	296852	TILT & TURN HARDWARE, ROTO-FRANK
15	260274	2V CAM CORNER DRIVE, ROTO-FRANK
16	552	STRUCTURAL CAULK, SIKAFLEX
17		#6 X 1 1/2" ZINC PLATED WOOD SCREW
18	6116-WH	1/16" SINGLE SIDED GLAZING TAPE, LAMATEK
19	1740123	LEVER & ROSETTE, HOPPE



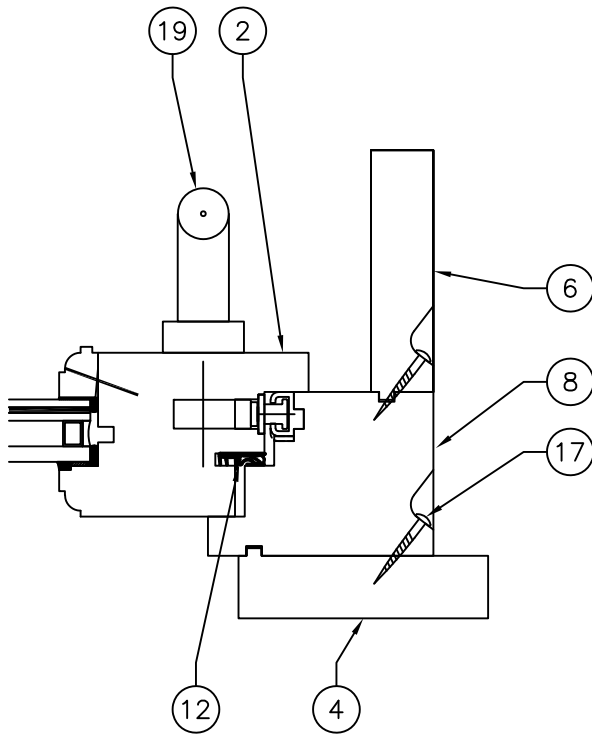
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

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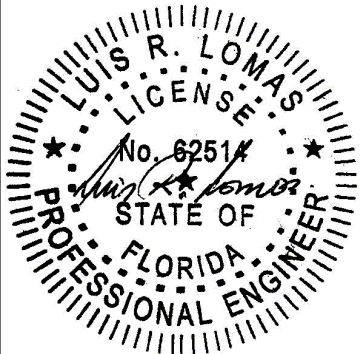
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K01 DUAL ACTION WOOD WINDOW
LARGE AND SMALL MISSILE IMPACT - HVHZ
CROSS SECTIONS, B.O.M. & GLAZING DETAIL

DRAWN: R.L.	DWG NO. 08-00288	REV E
SCALE NTS	DATE 10/17/07	SHEET 3 OF 13

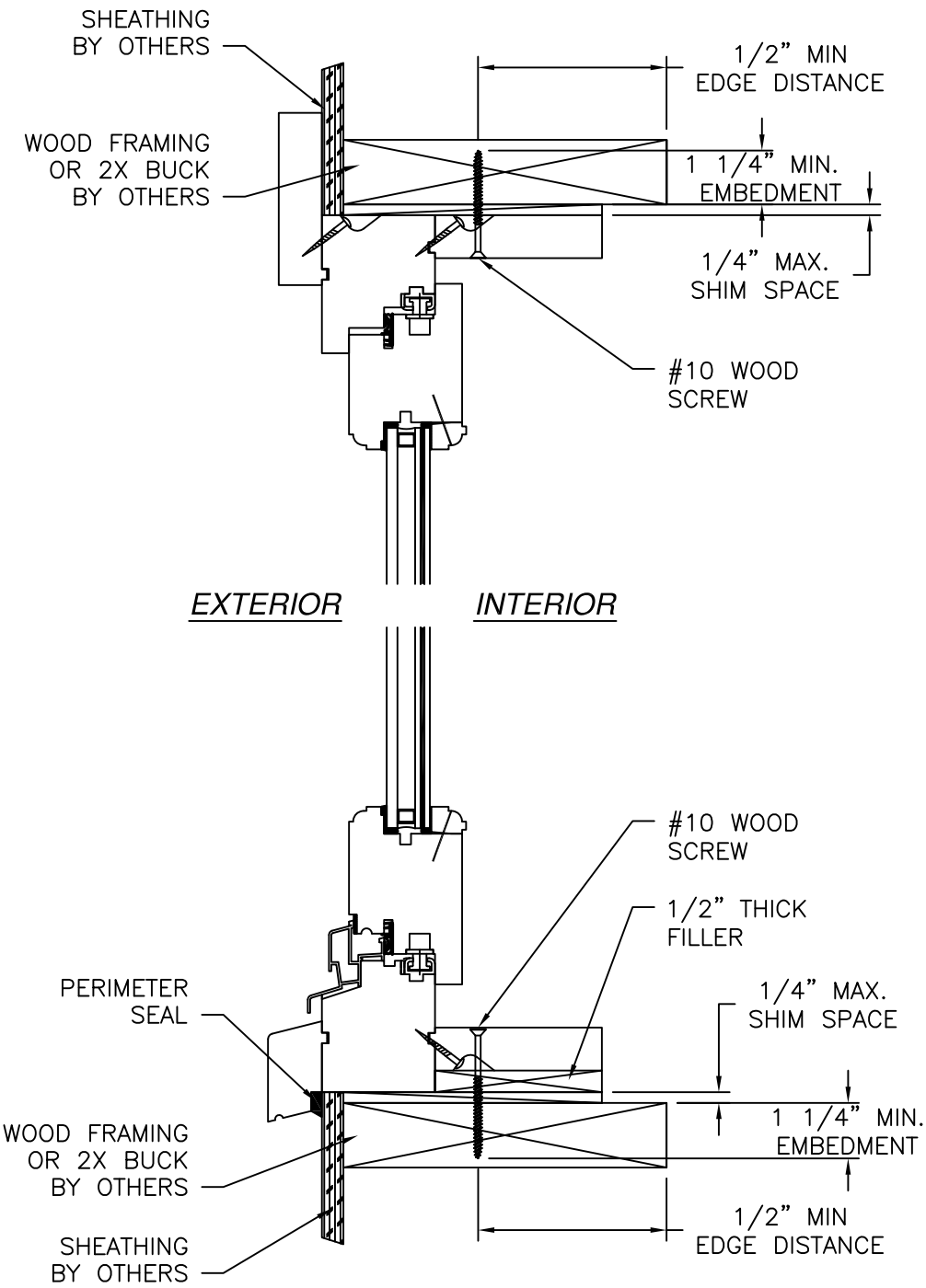
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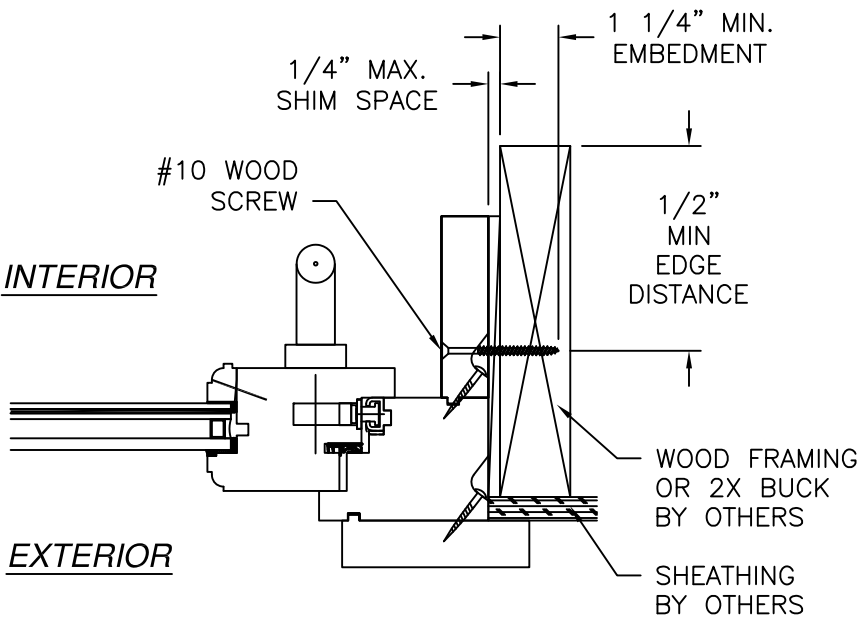


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



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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INSTALLATION DETAILS

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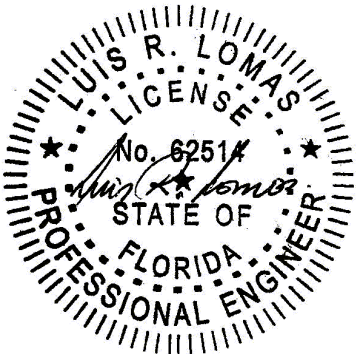
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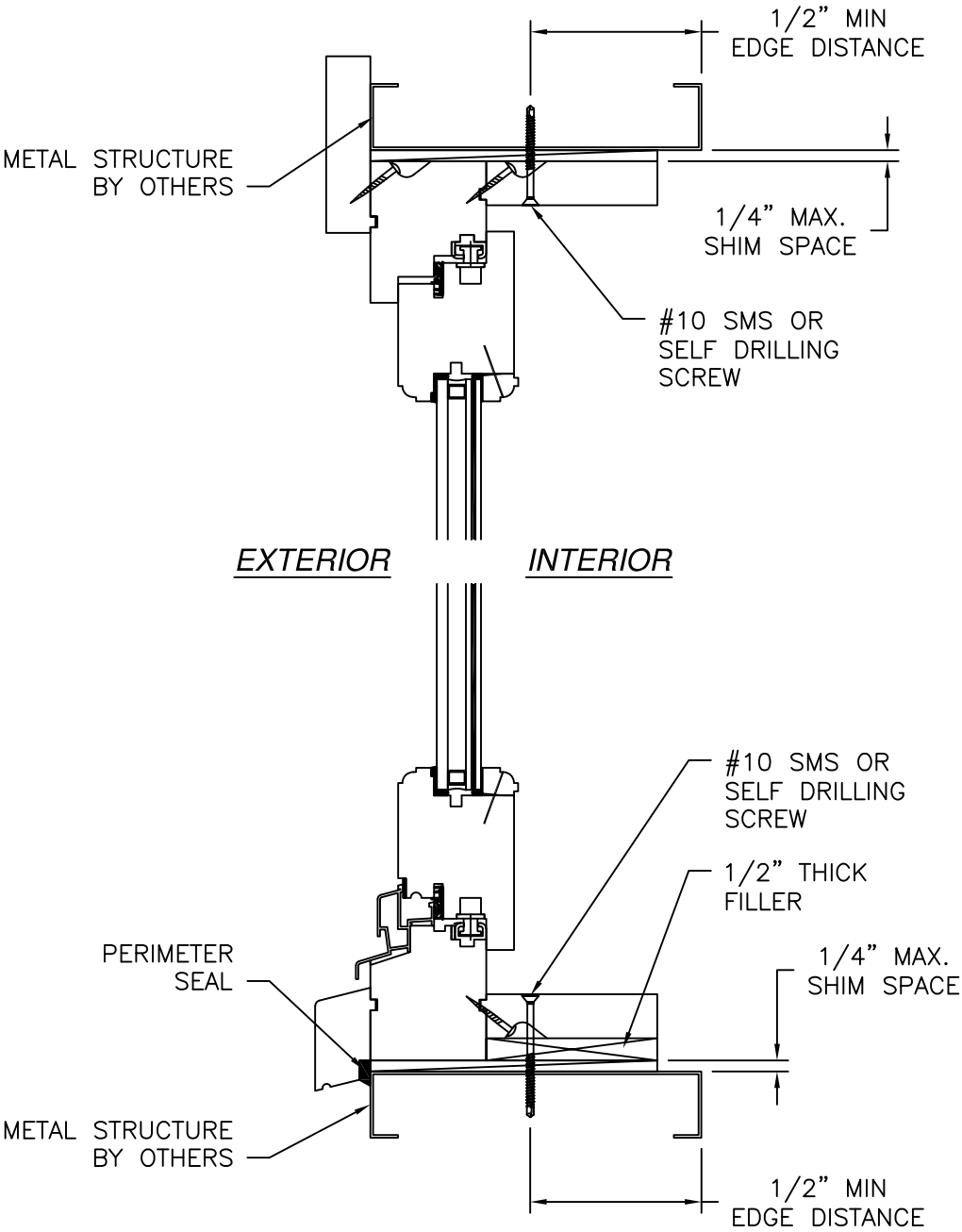
SHEET
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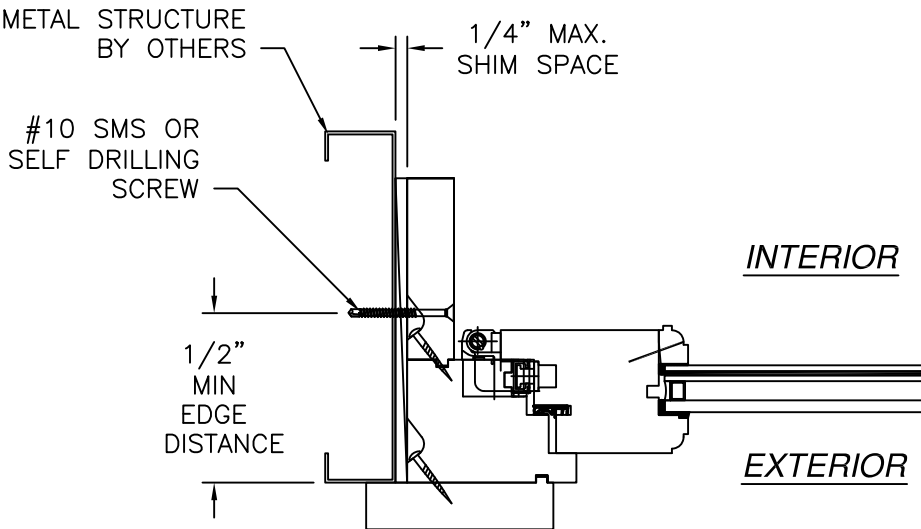


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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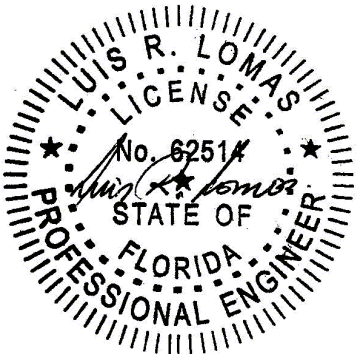
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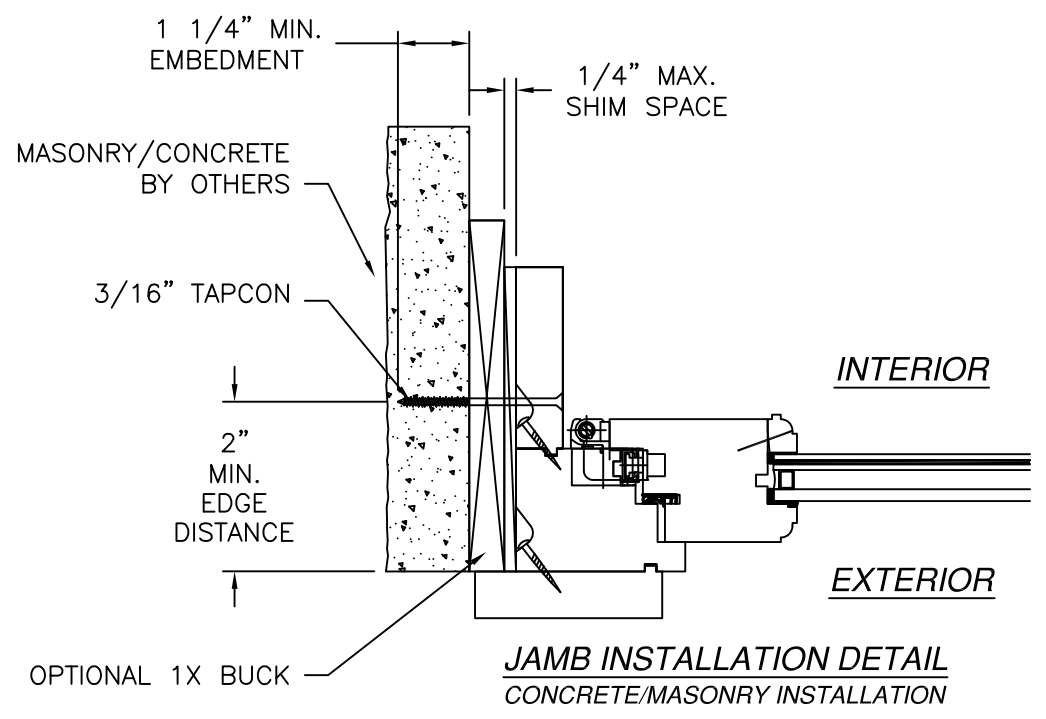
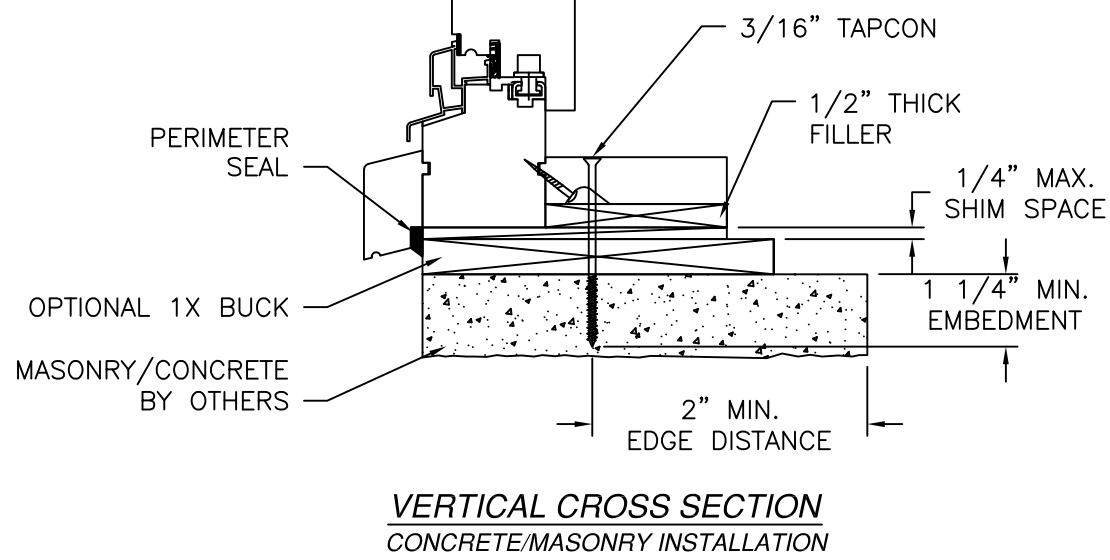
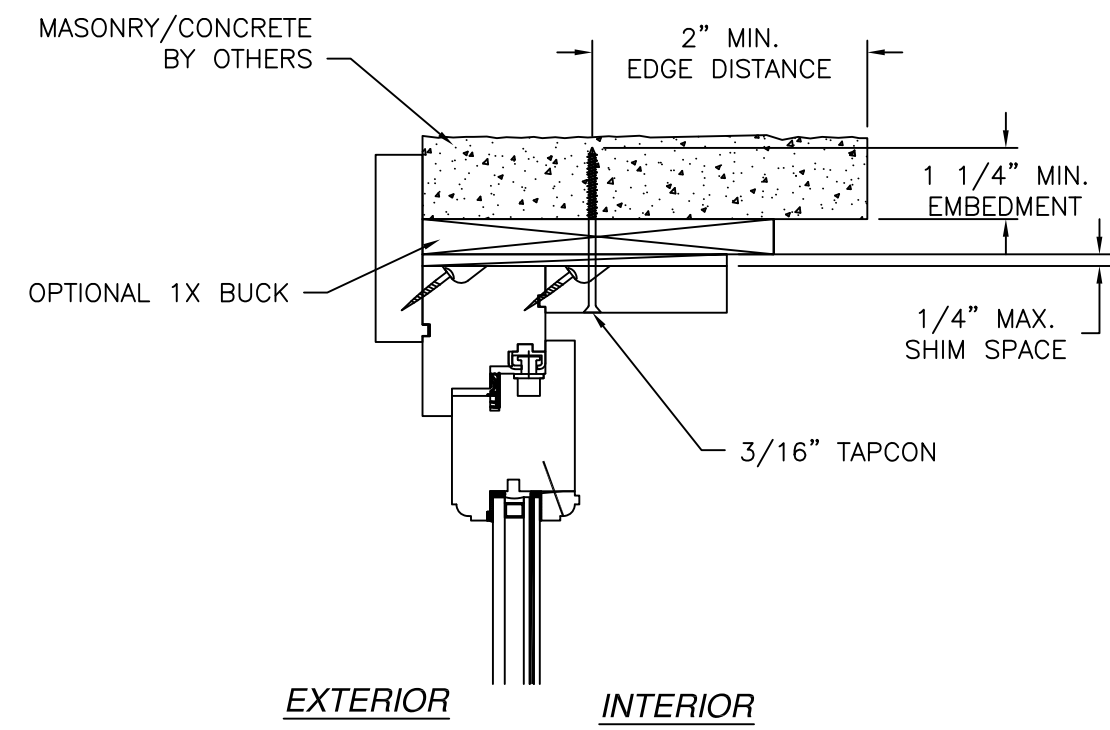
SHEET
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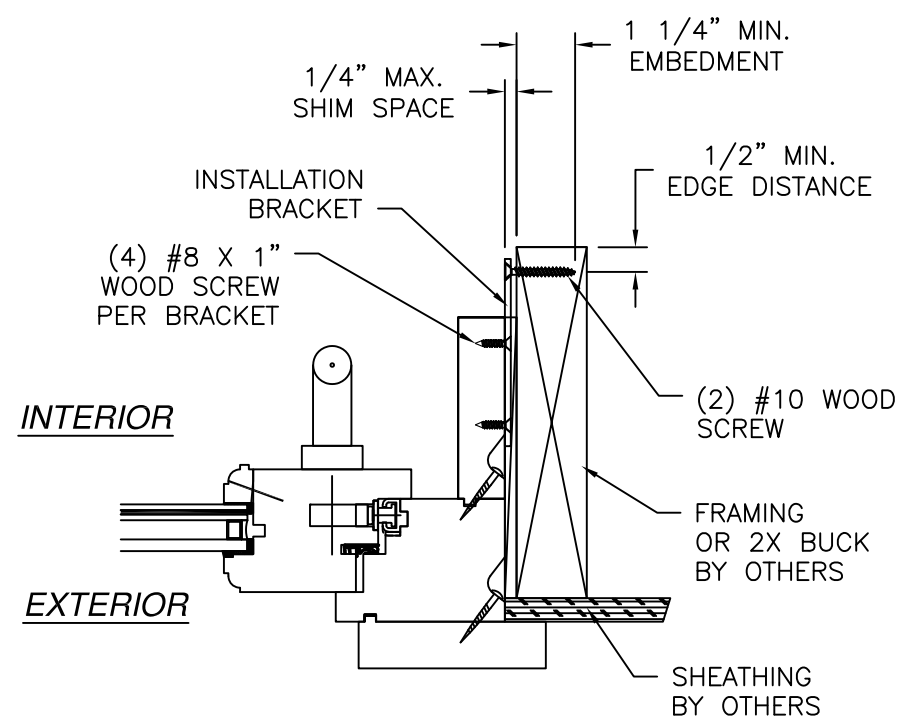
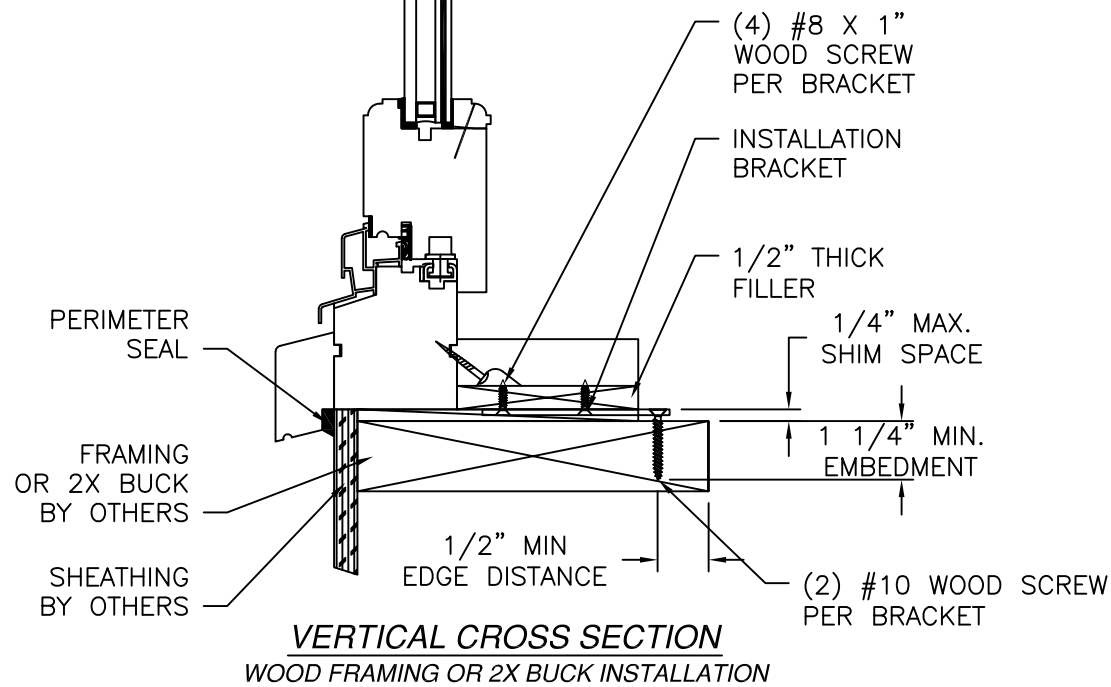
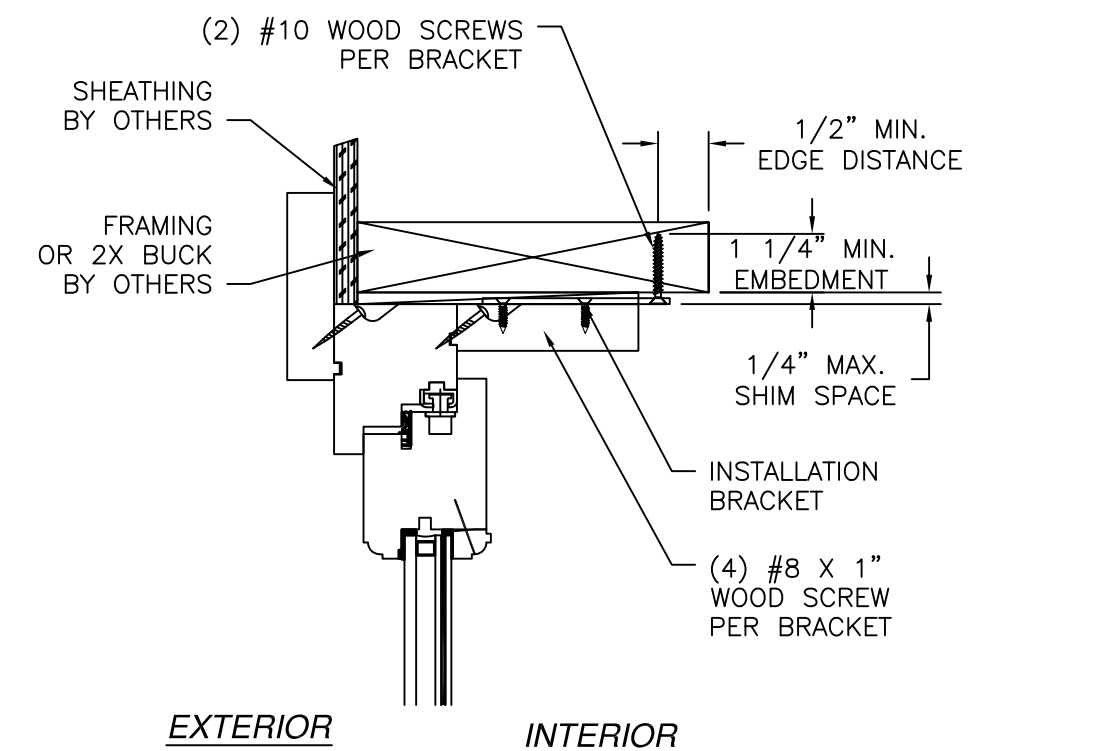
SHEET
6 OF 13

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

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INSTALLATION DETAILS W/CLIP

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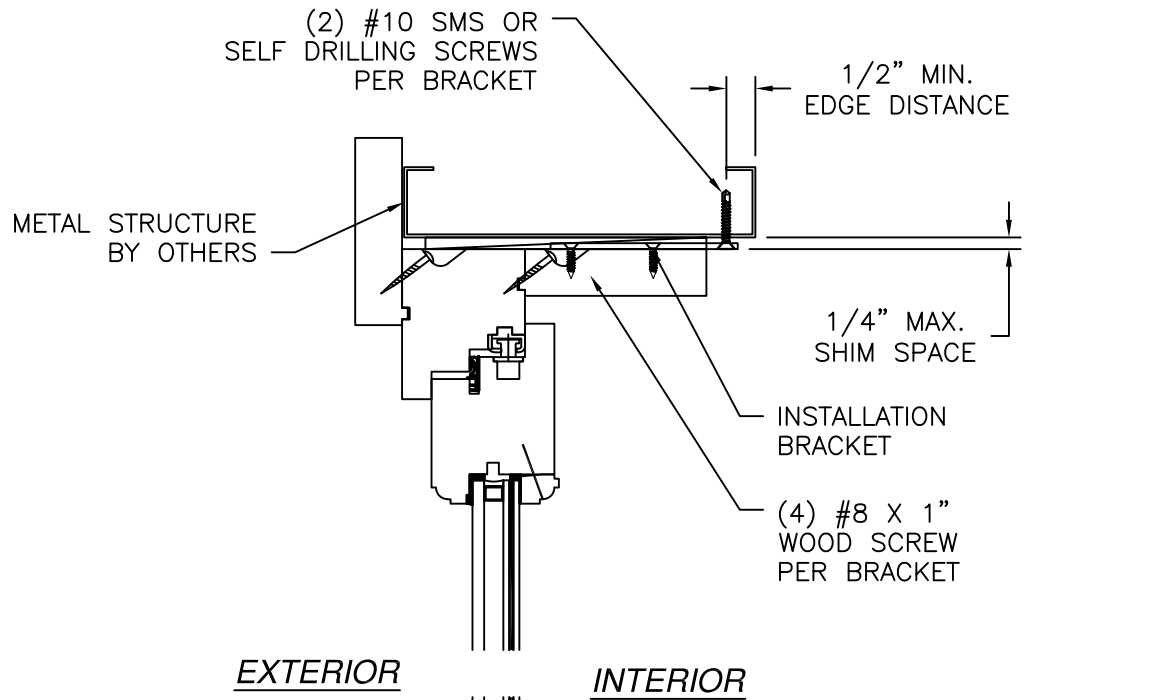
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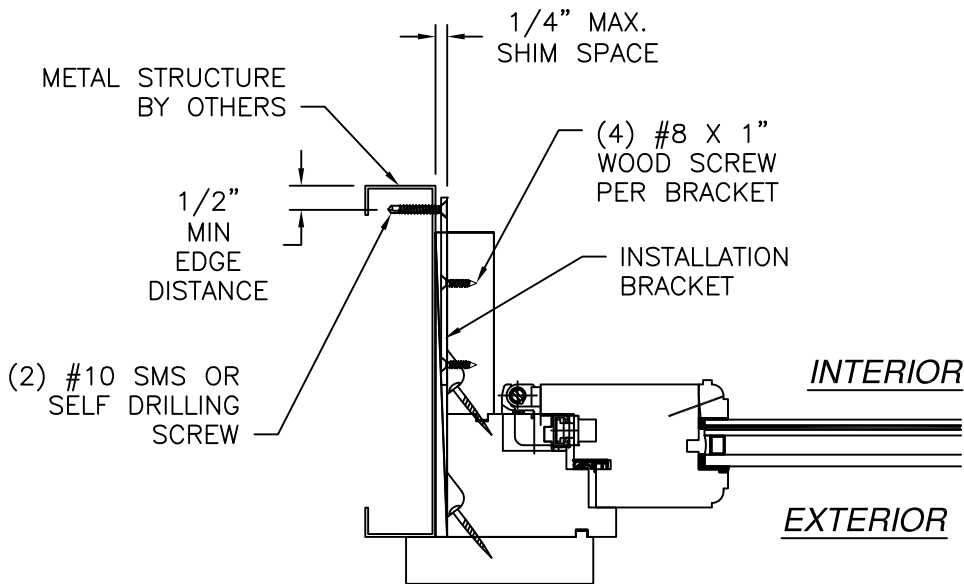
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No. 62514

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FL No.: 62514

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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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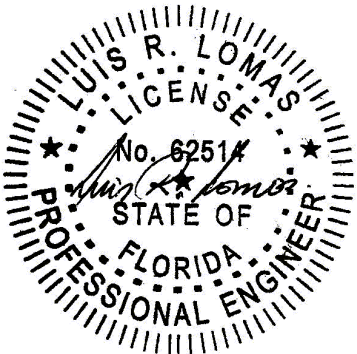
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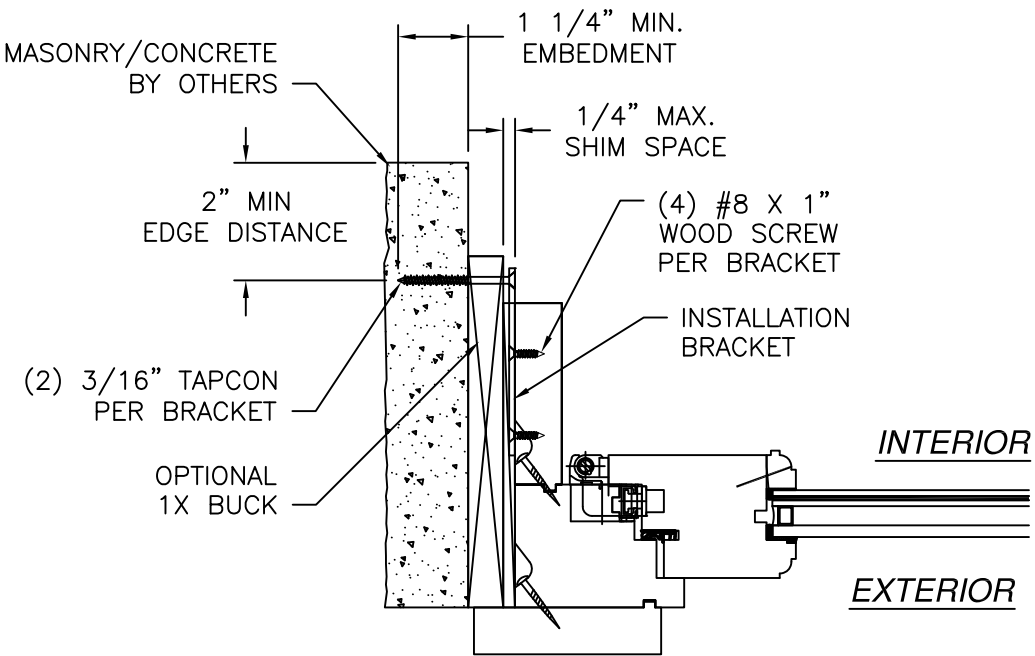
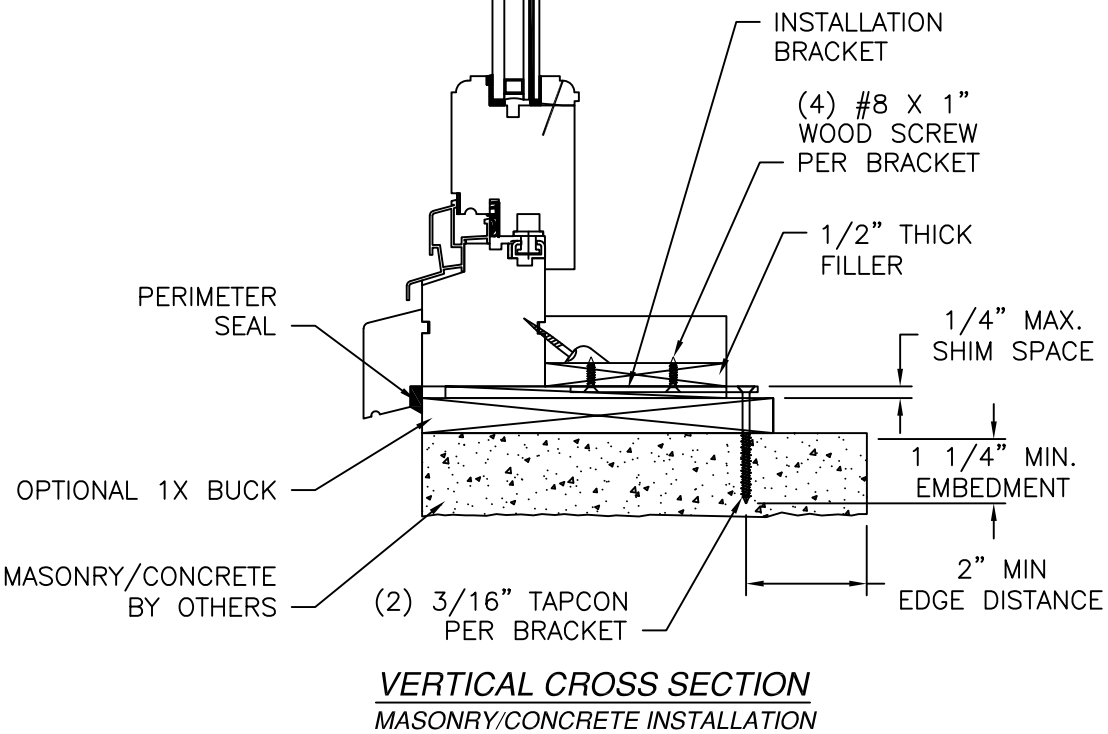
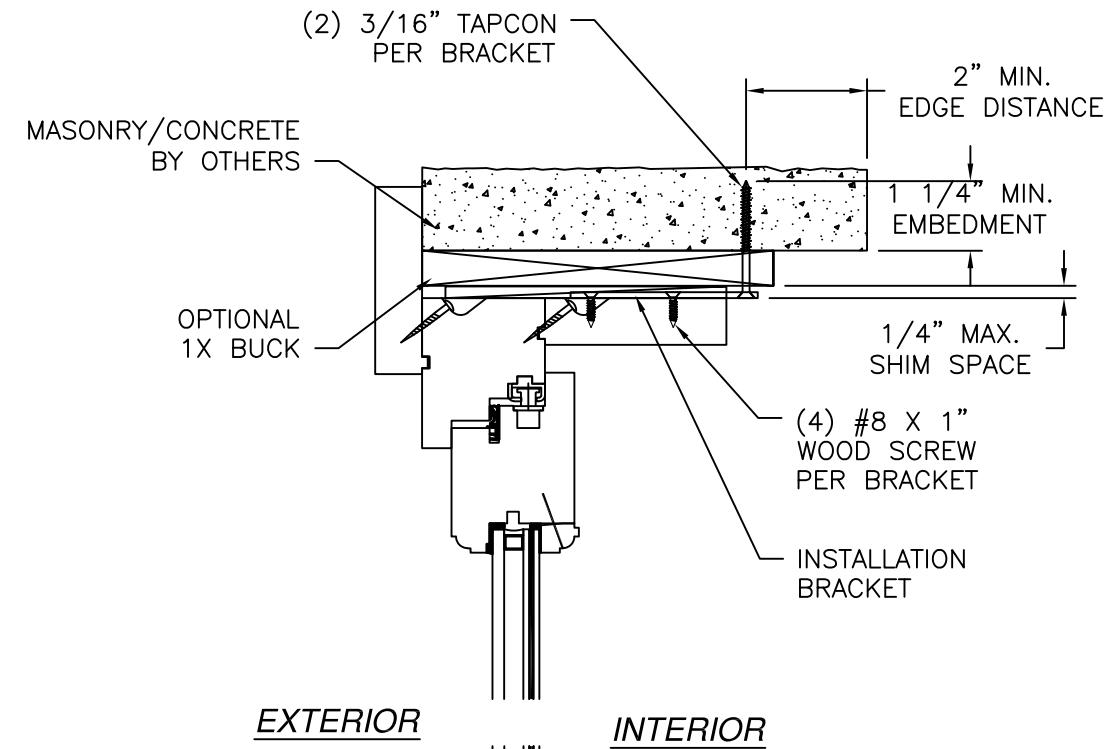
SHEET 8 OF 13

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JAMB INSTALLATION DETAIL
MASONRY/CONCRETE INSTALLATION

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REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

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LARGE AND SMALL MISSILE IMPACT – HVHZ

INSTALLATION DETAILS W/CLIP

DRAWN: R.L.

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REV E

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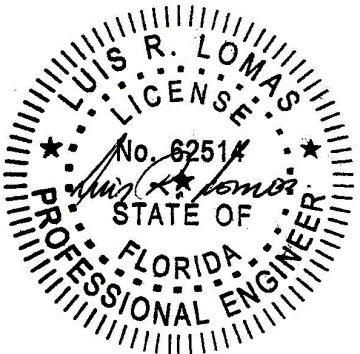
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SHEET 9 OF 13

L. ROBERTO LOMAS P.E.

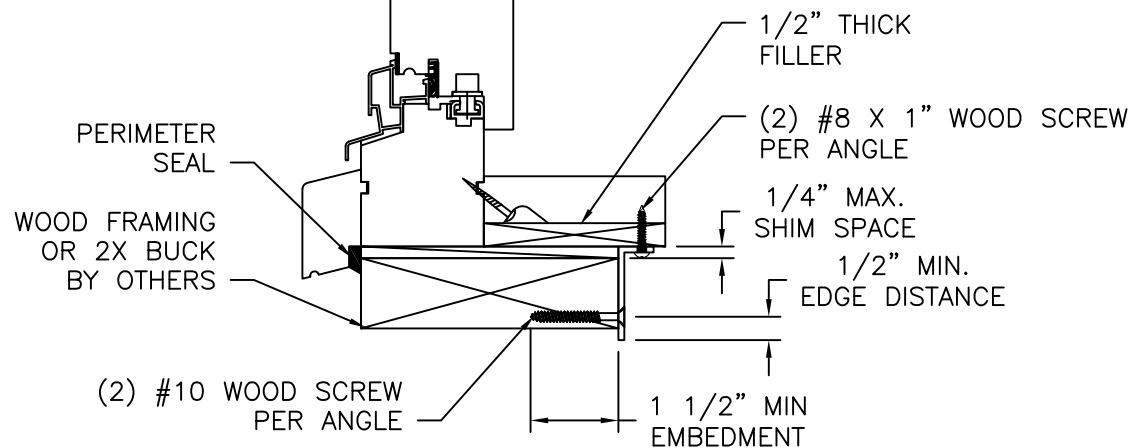
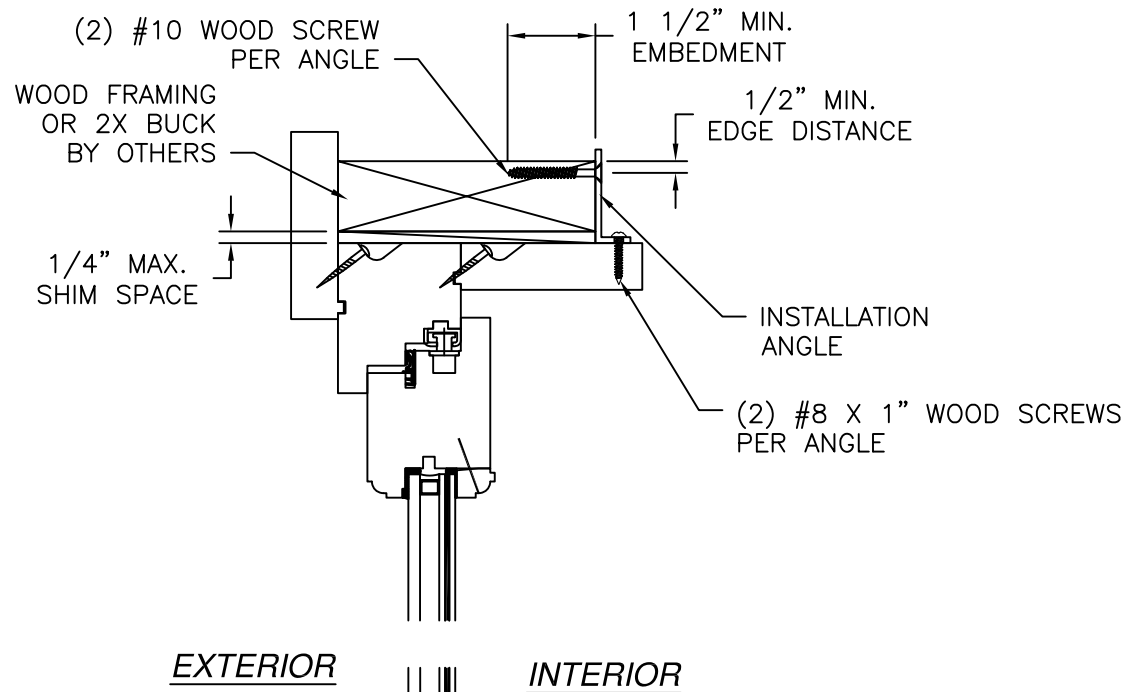
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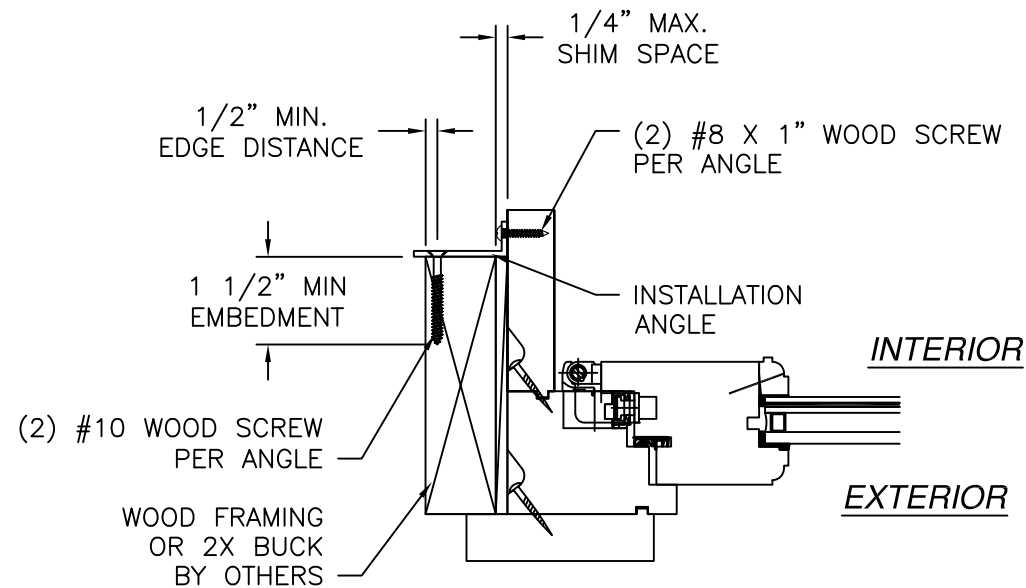


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

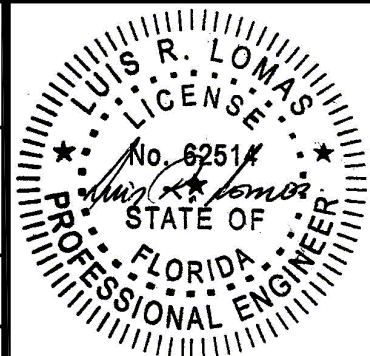


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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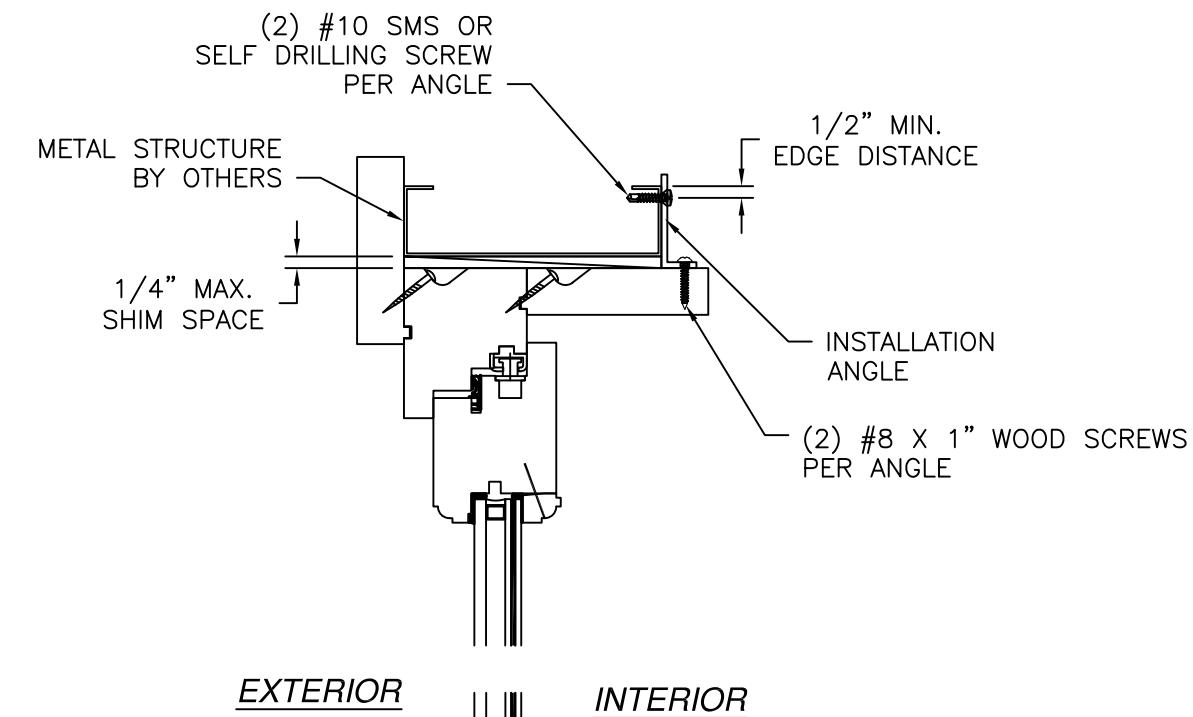
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REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
K01 DUAL ACTION WOOD WINDOW LARGE AND SMALL MISSILE IMPACT – HVHZ INSTALLATION DETAILS W/ANGLE		
DRAWN: R.L.	DWG NO. 08-00288	REV E
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

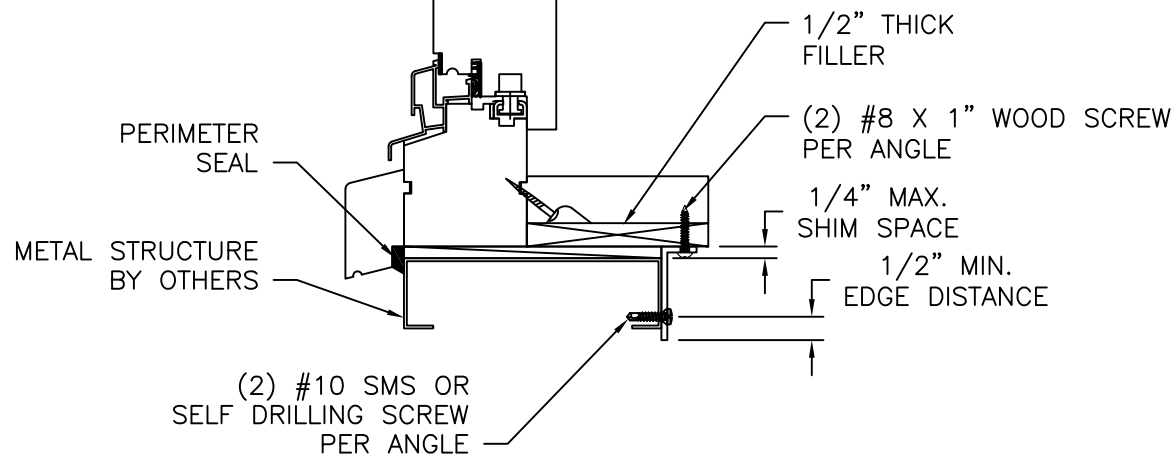


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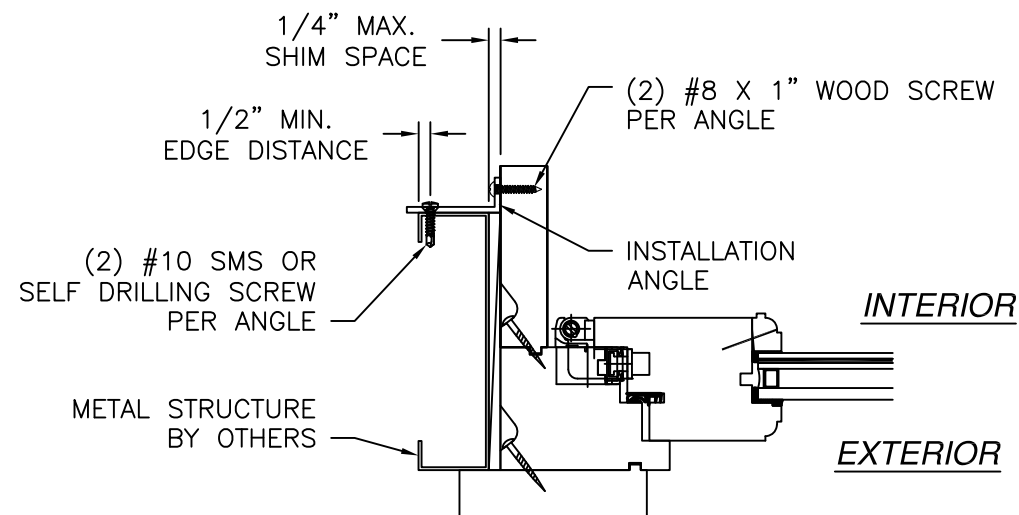
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EXTERIOR INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

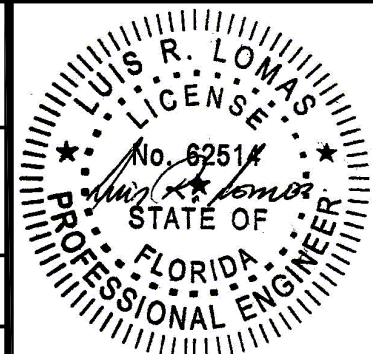


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

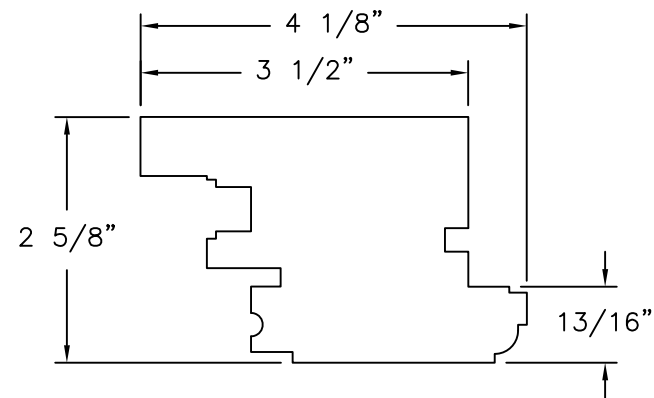
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 07/20/2026

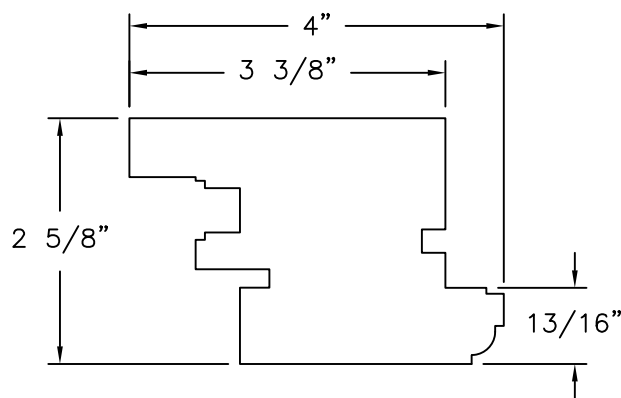
REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
K01 DUAL ACTION WOOD WINDOW LARGE AND SMALL MISSILE IMPACT – HVHZ INSTALLATION DETAILS W/ANGLE		
DRAWN: R.L.	DWG NO. 08-00288	REV E
SCALE NTS	DATE 10/17/07	SHEET 11 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



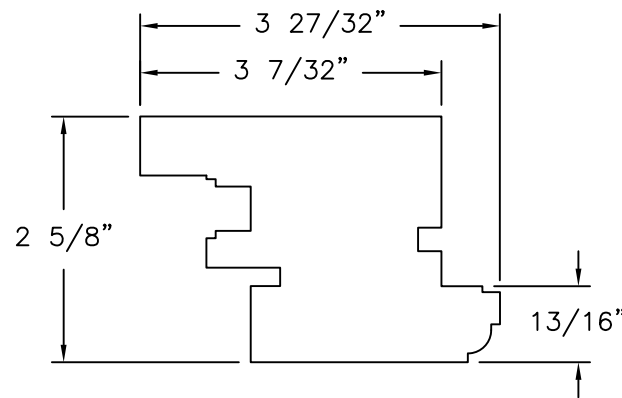
Luis R. Lomas P.E.
FL No.: 62514



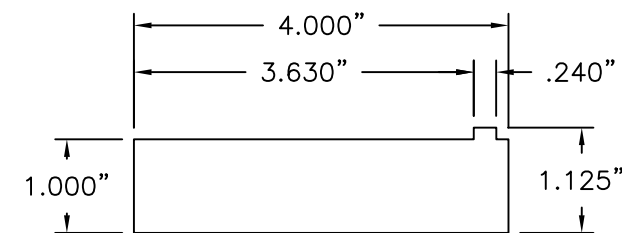
① **BR & MEETING STILE**
MAHOGANY



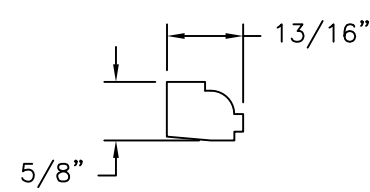
② **STILE**
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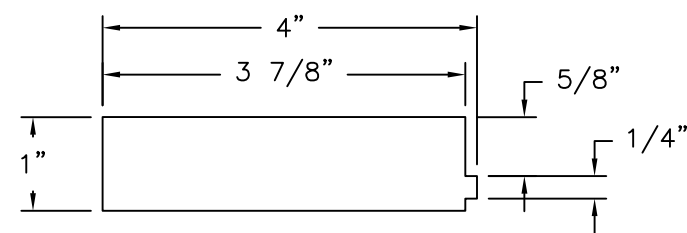
③ **HEAD RAIL**
MAHOGANY



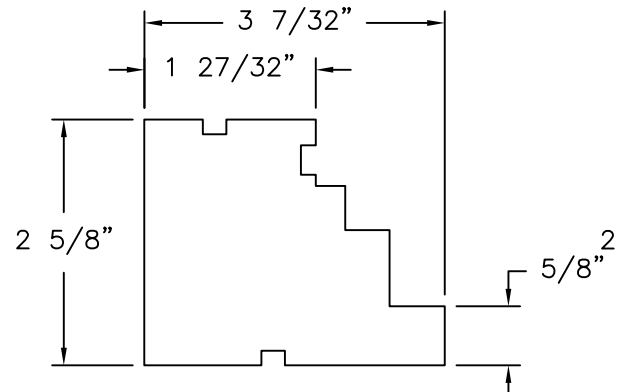
④ **CASING**
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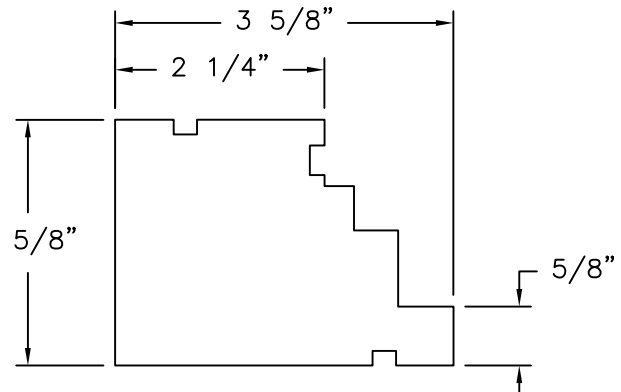
⑤ **GLASS STOP**
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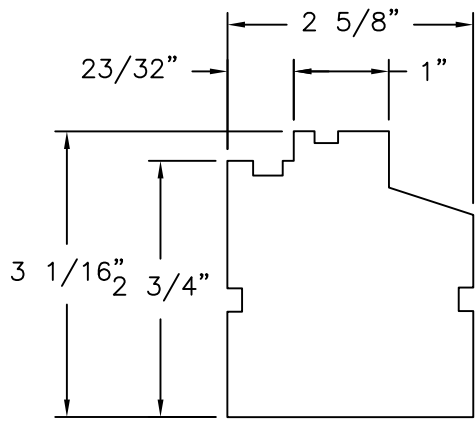
⑥ **JAMB EXTENSION**
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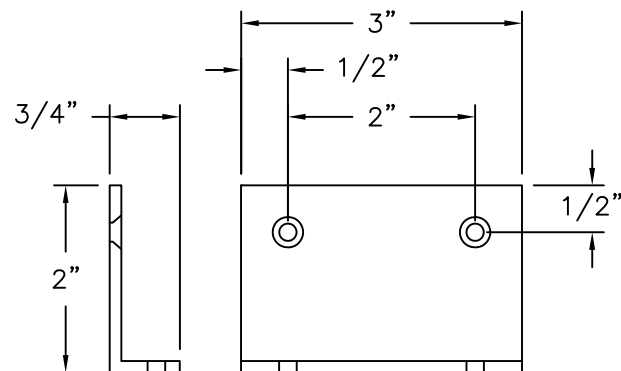
⑦ **JAMB HEAD**
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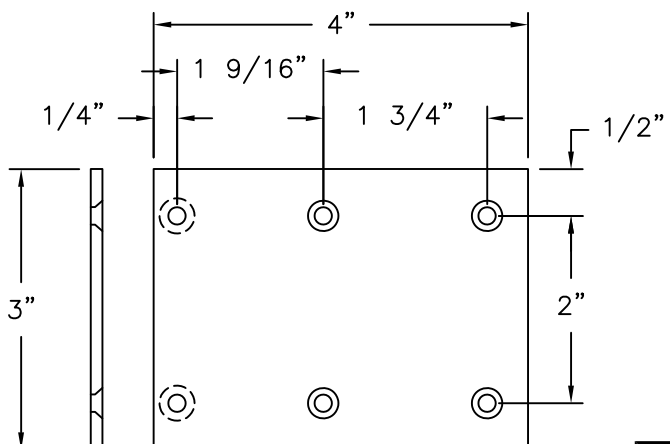
⑧ **JAMB LEGS**
MAHOGANY



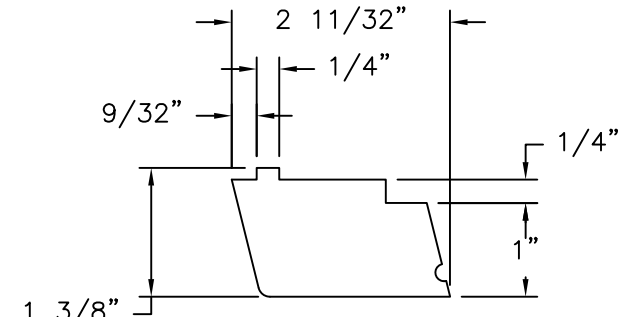
⑨ **SILL**
MAHOGANY



INSTALLATION ANGLE
ALUMINUM 6063-T5 .125 " THICK



INSTALLATION BRACKET
ALUMINUM 6063-T5 .125 " THICK



⑩ **SILL NOSING**
MAHOGANY

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADD CLIP INSTALLATION	11/15/18	R.L.

SIGNED: 07/20/2026

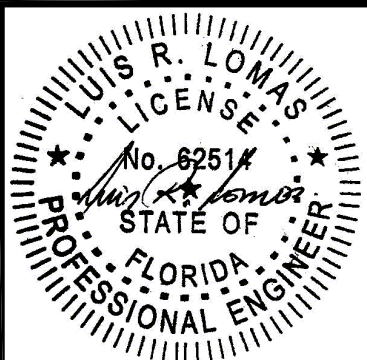
REILLY WINDOWS & DOORS
 901 BURMAN BLVD.
 CALVERTON, NY 11933

K01 DUAL ACTION WOOD WINDOW
 LARGE AND SMALL MISSILE IMPACT - HVHZ
 COMPONENTS

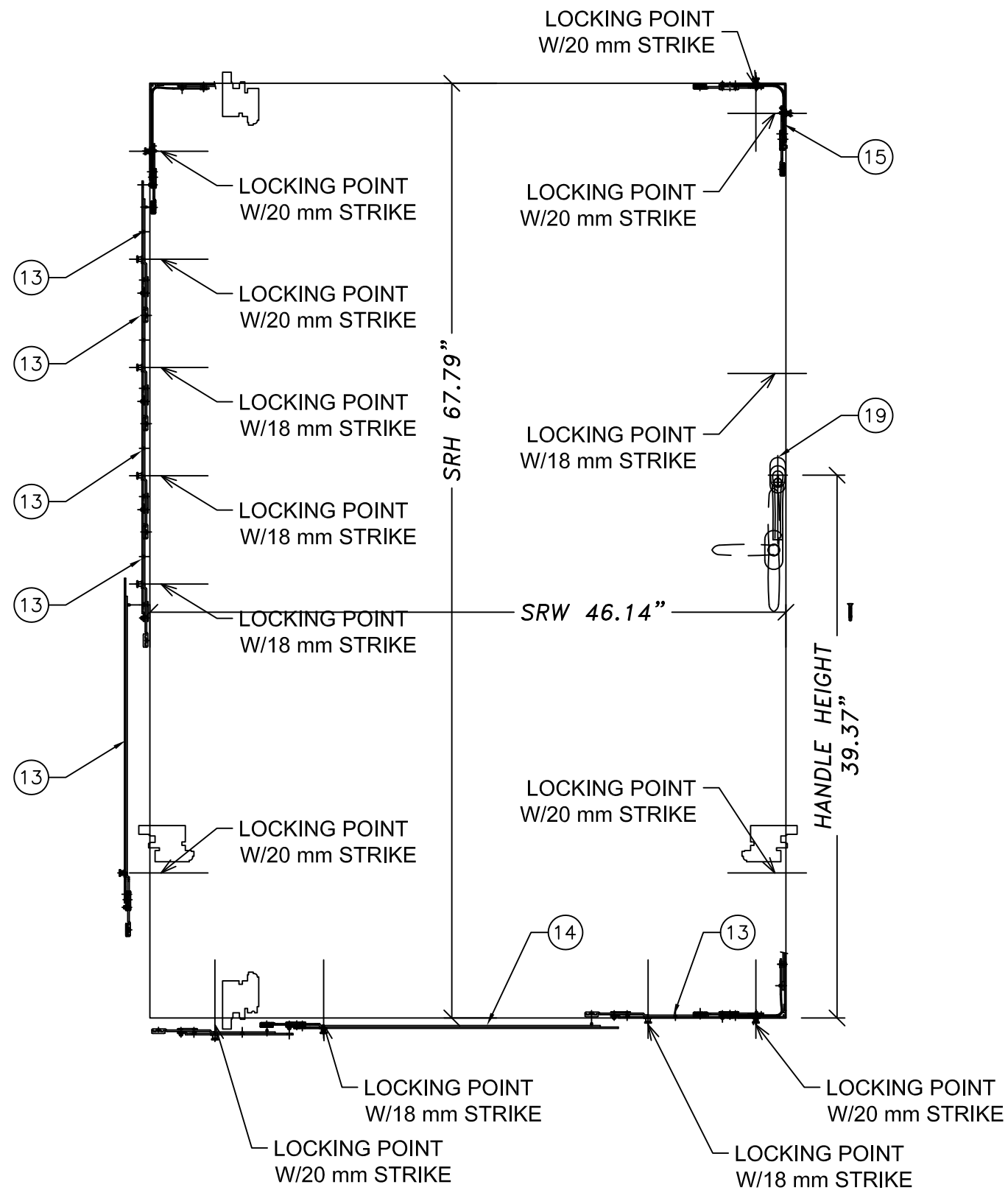
DRAWN: R.L.
 DWG NO. 08-00288
 REV E

SCALE NTS
 DATE 10/17/07
 SHEET 12 OF 13

L. ROBERTO LOMAS P.E.
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 434-688-0609 rllomas@lrlomaspe.com



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FL No.: 62514



TILT AND TURN HARDWARE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADD CLIP INSTALLATION	11/15/18	R.L.

SIGNED: 07/20/2026

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K01 DUAL ACTION WOOD WINDOW LARGE AND SMALL MISSILE IMPACT - HVHZ COMPONENTS			
DRAWN: R.L.	DWG NO. 08-00288	REV E	
SCALE NTS	DATE 10/17/07	SHEET 13 OF 13	
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