

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	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 E1300–04/09, 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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REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

C01 WOOD CASEMENT WINDOW
LARGE AND SMALL MISSILE IMPACT – HVHZ
NOTES

DRAWN:
R.L.

DWG NO.
08–00285

REV
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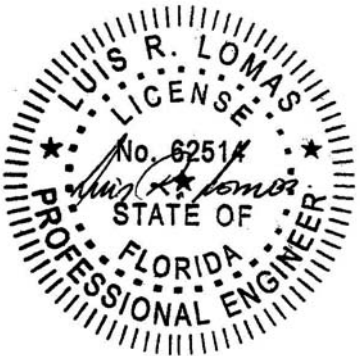
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DATE 10/17/07

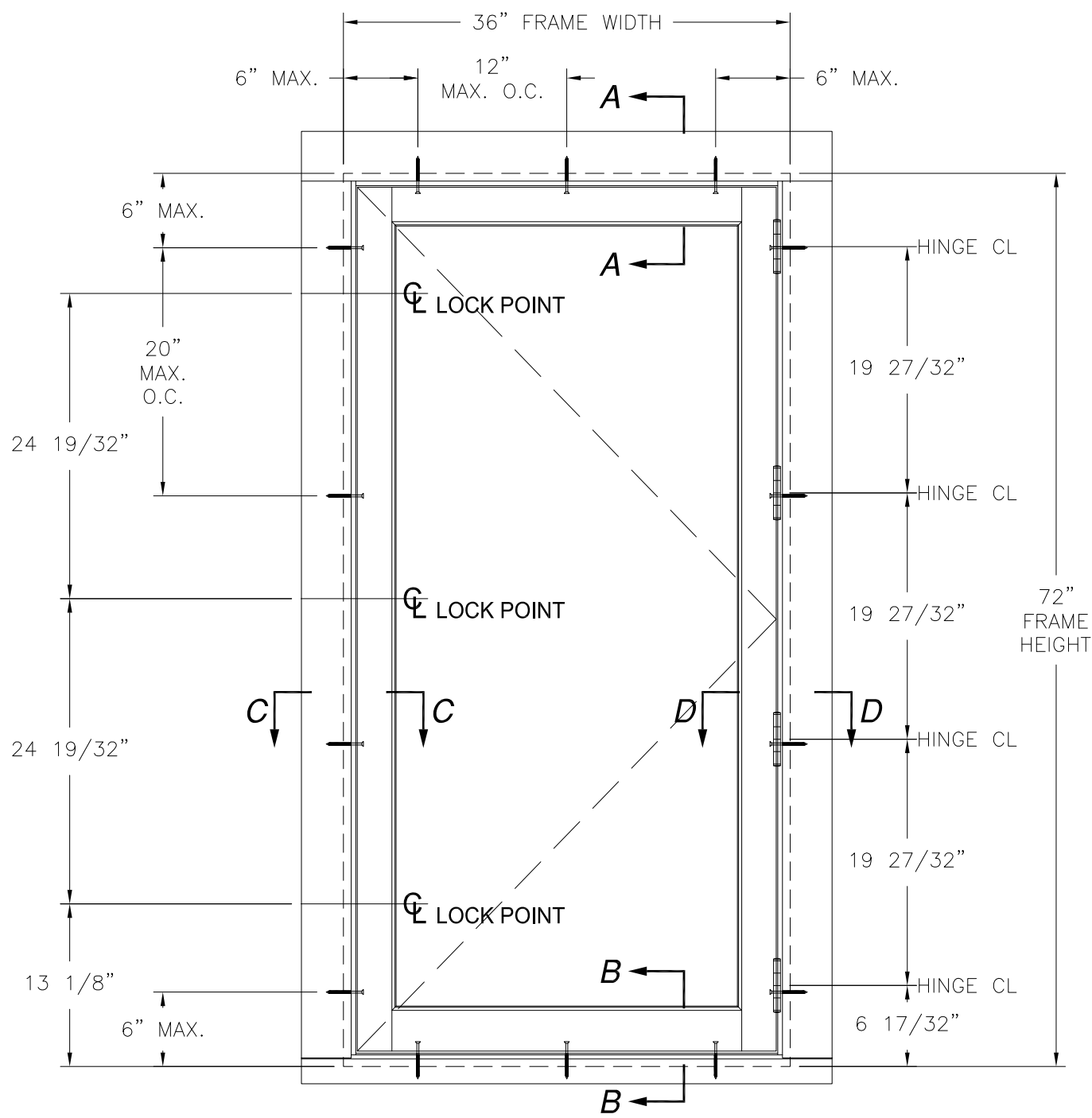
SHEET 1 OF 13

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

SIGNED: 11/21/2018



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



C01 CASEMENT
EXTERIOR VIEW

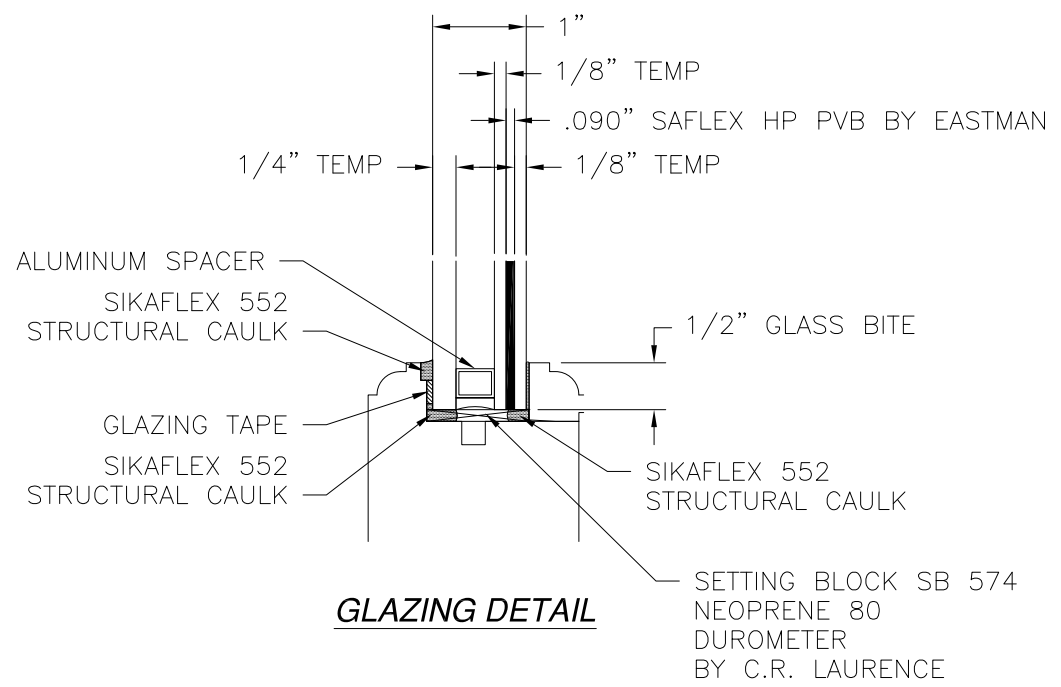
DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
36" X 72" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 18.0 FT²

HARDWARE SCHEDULE	
A.	(1) ROTO LOCK HANDLE OPERATOR, 4" FROM HINGE JAMB ON SILL
B.	(1) QUARTER TURN LOCK, 6" FROM SILL ON LOCK JAMB
C.	(3) MOBILE LOCK BAR WITH KEEPERS ON LOCK STILE
D.	(4) BUTT HINGES ON HINGE JAMB

- NOTES:
1. PANEL SIZE: 33 3/4" X 70"
2. D.L.O.: 27 3/8" X 62 7/8"

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GLAZING DETAIL

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CALVERTON, NY 11933

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LARGE AND SMALL MISSILE IMPACT – HVHZ
ELEVATION AND GLAZING DETAIL

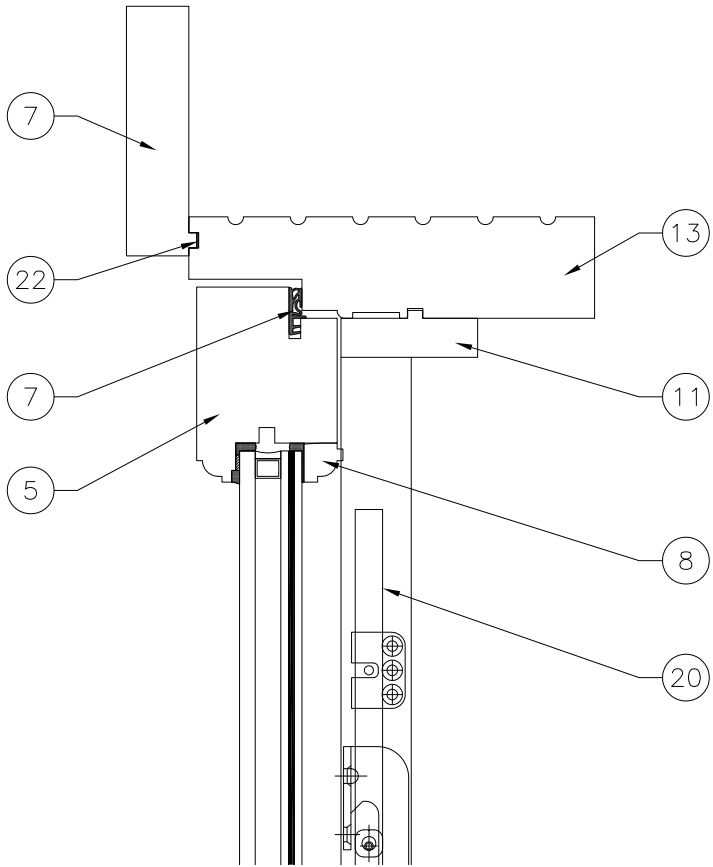
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SCALE NTS	DATE 10/17/07	SHEET 2 OF 13

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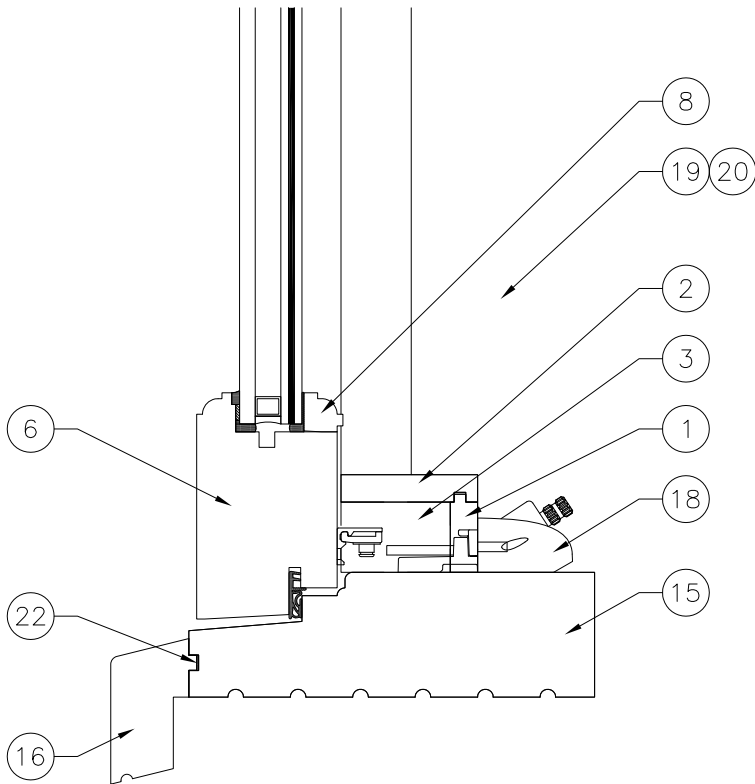
Professional Engineer Seal for Luis R. Lomas, No. 62514, State of Florida.

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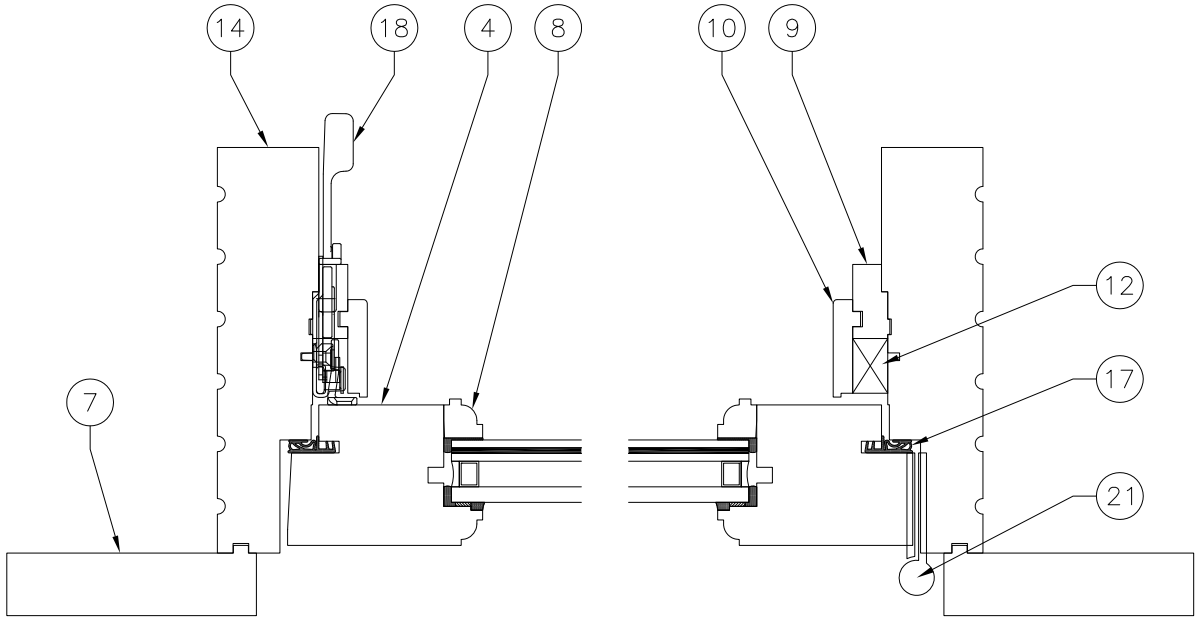
PARTS LIST		
NO.	PART NUMBER	DESCRIPTION
1	BC1.1	BOX COVER, MAHOGANY
2	BC2.1	BOX COVER, MAHOGANY
3	BC.7	BOX COVER SUPPORT, MAHOGANY
4	B2.6	HEAD STILE, MAHOGANY
5	B2.62	HEAD RAIL/STILE, MAHOGANY
6	B3.12	BOTTOM RAIL, MAHOGANY
7	CA4	CASING, MAHOGANY
8	GSB	GLASS STOP, MAHOGANY
9	JS1.1	JAMB STOP, MAHOGANY
10	JS1.5	JAMB STOP, MAHOGANY
11	JS2.1B	JAMB STOP, MAHOGANY
12	JS.8	JAMB STOP BLOCK, MAHOGANY
13	J6.5	JAMB HEAD, MAHOGANY
14	J6.5A	JAMB LEG, MAHOGANY
15	SL6.5	SILL, MAHOGANY
16	SN1.2B	SILL NOSING, MAHOGANY
17	WS24-10164	WEATHERSTRIP, RCT
18	OP06-7800-0	LOCK HANDLE OPERATOR, ROTO-FRANK
19	GF370	G7 LOCKBAR
20	GT554	LOCKBAR GUIDE
21	125P-PBA	BUTTED HINGES 4 1/2 x 4 1/2, MERIT
22	552	STRUCTURAL CAULK, SIKAFLEX
23	6116-WH	1/16" SINGLE SIDED GLAZING TAPE, LAMATEK



SECTION A-A



SECTION B-B



SECTION C-C

SECTION D-D

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C01 WOOD CASEMENT WINDOW
LARGE AND SMALL MISSILE IMPACT - HVHZ
CROSS SECTIONS AND B.O.M.

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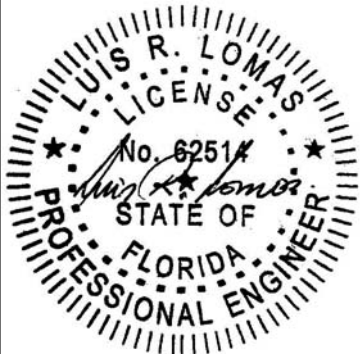
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SHEET 3 OF 13

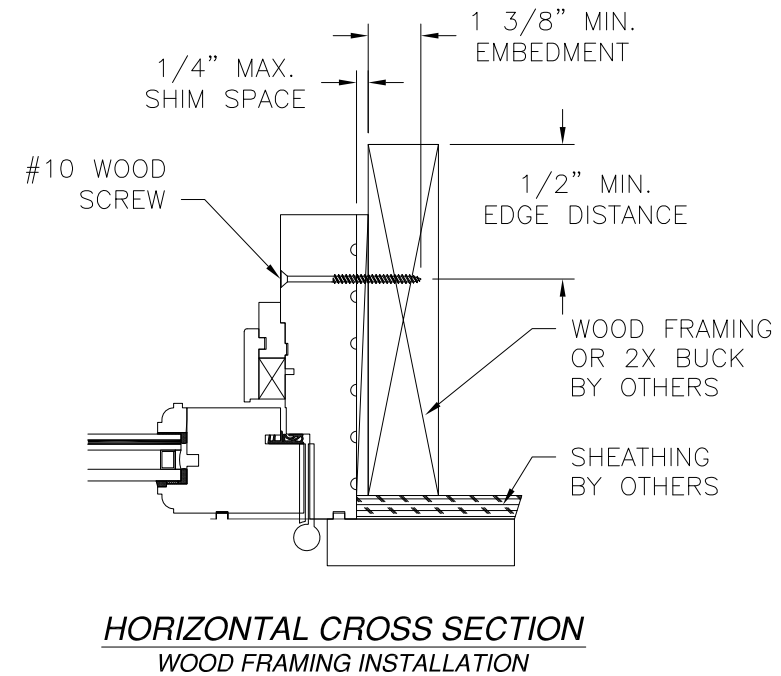
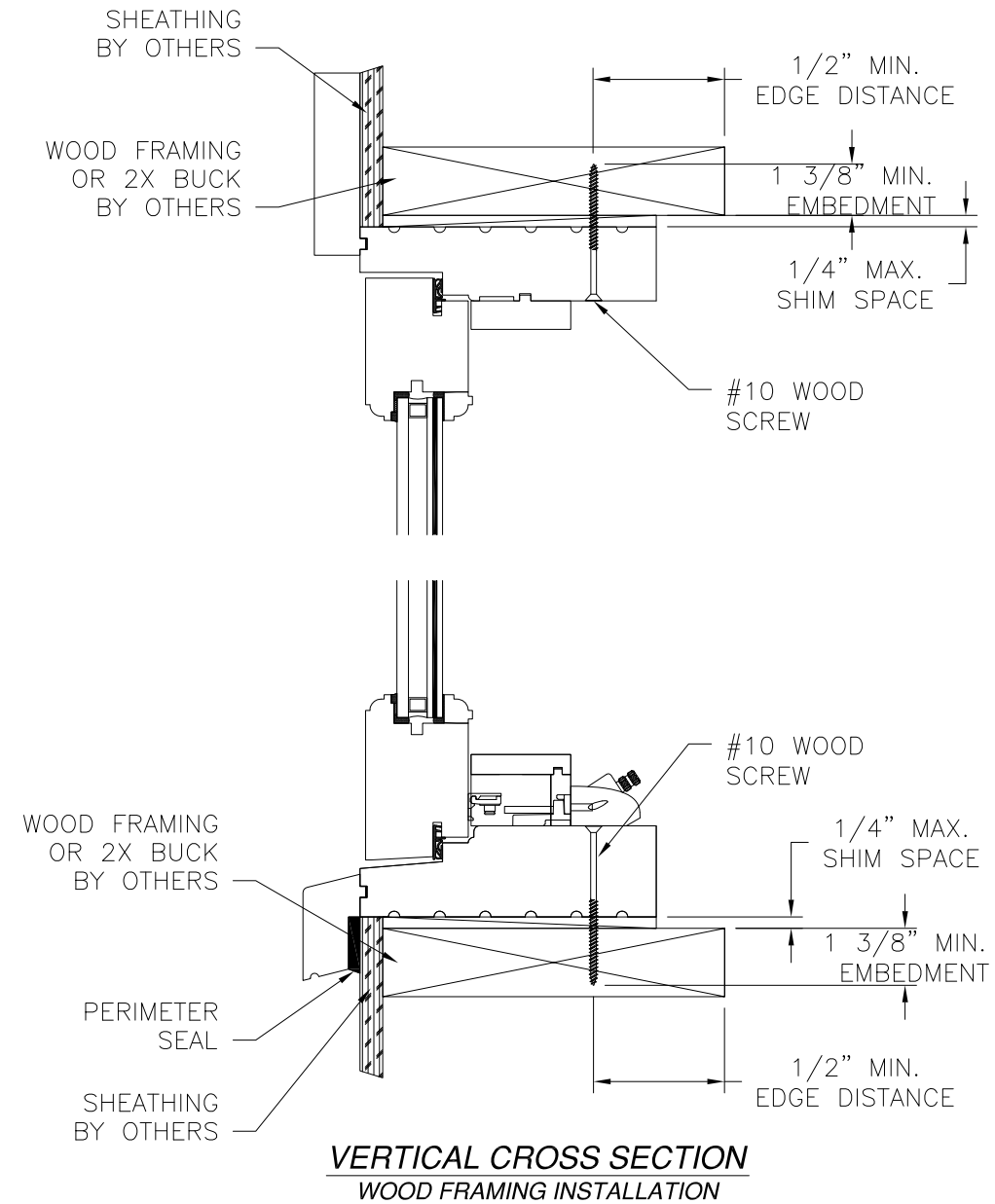
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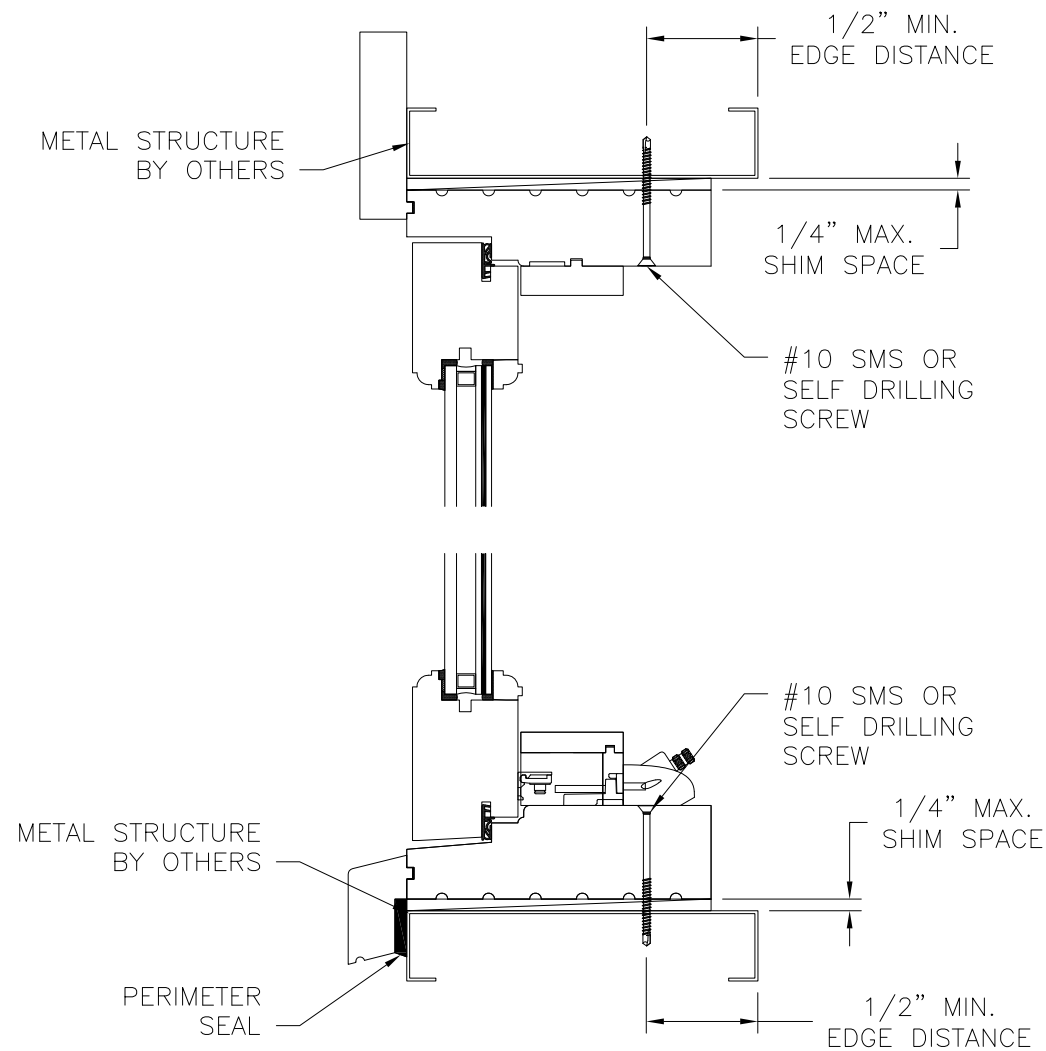
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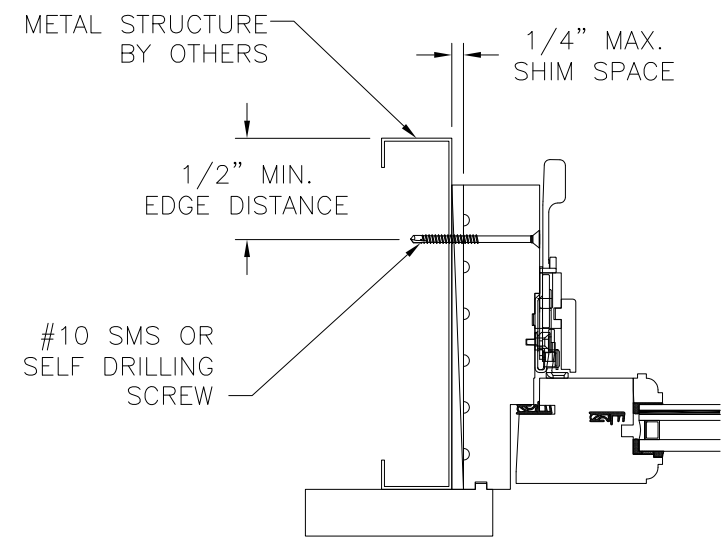
REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
C01 WOOD CASEMENT WINDOW LARGE AND SMALL MISSILE IMPACT – HVHZ FRAME INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-00285	REV D
SCALE NTS	DATE 10/17/07	SHEET 4 OF 13
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



HORIZONTAL CROSS SECTION
METAL STRUCTURE INSTALLATION

NOTES:

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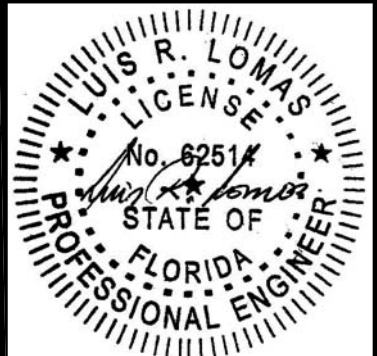
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REILLY WINDOWS & DOORS

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CALVERTON, NY 11933

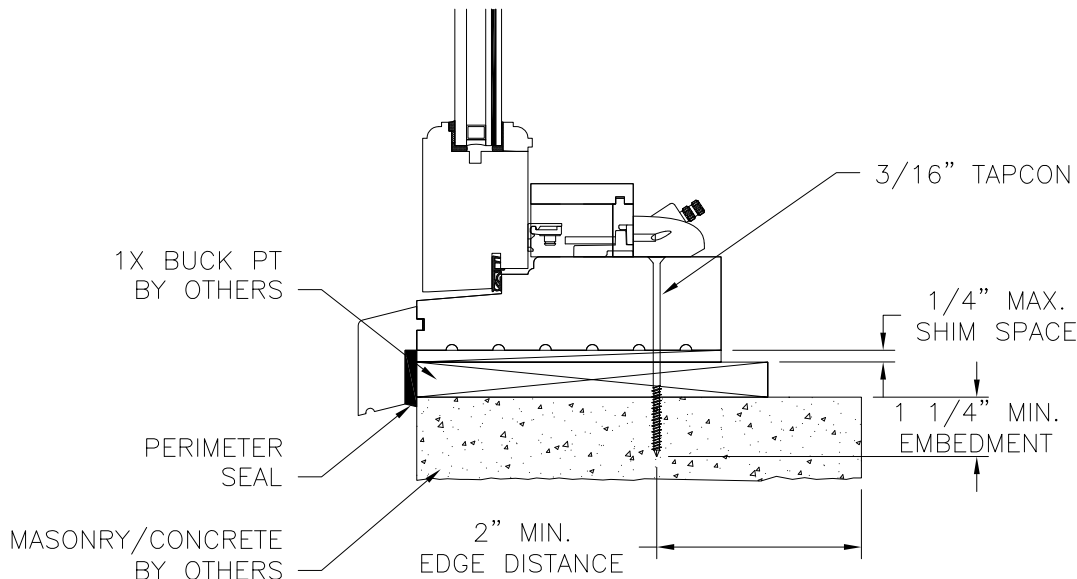
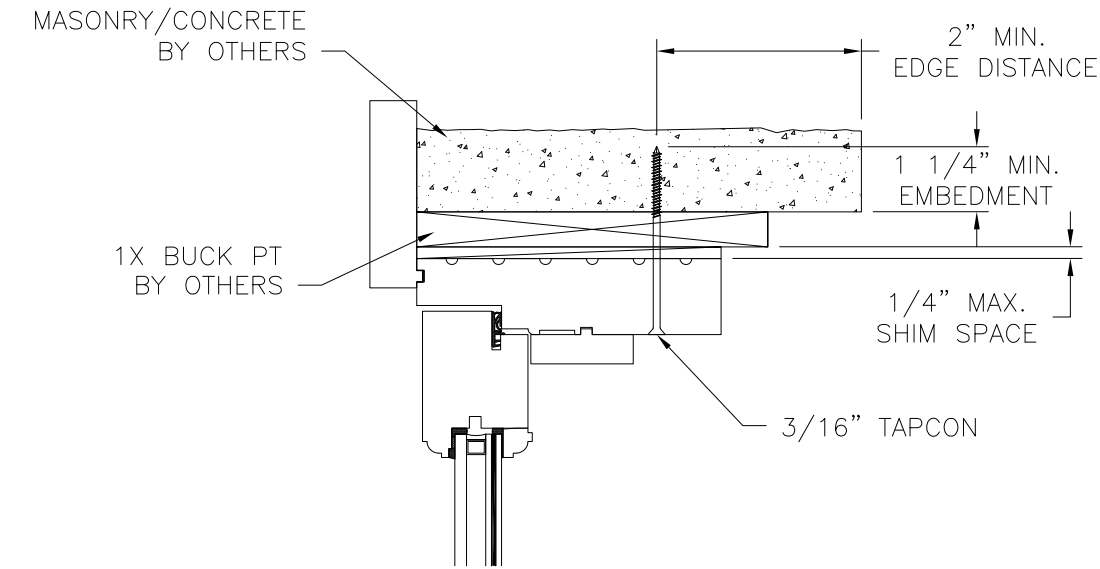
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LARGE AND SMALL MISSILE IMPACT – HVHZ
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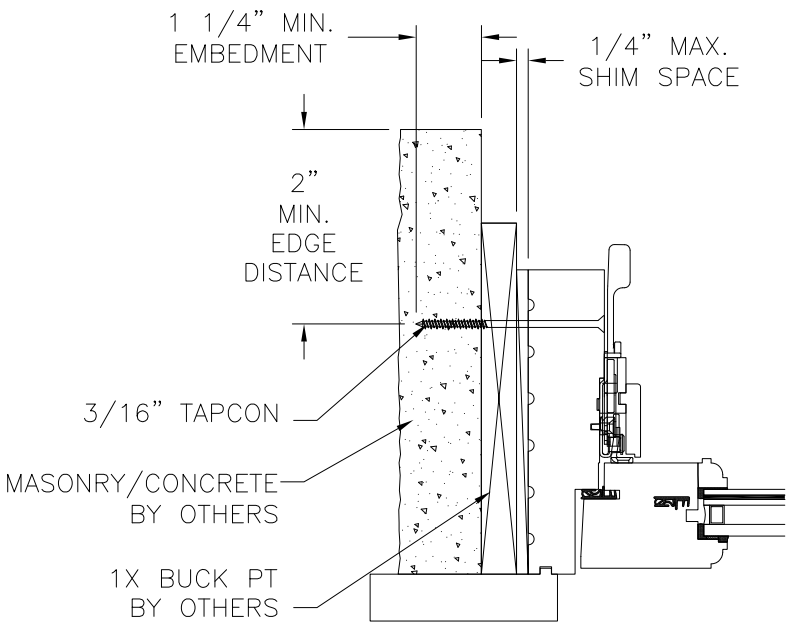


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VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

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C01 WOOD CASEMENT WINDOW
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FRAME INSTALLATION DETAILS

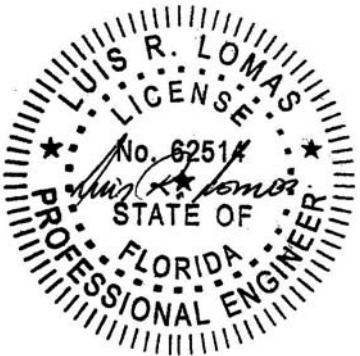
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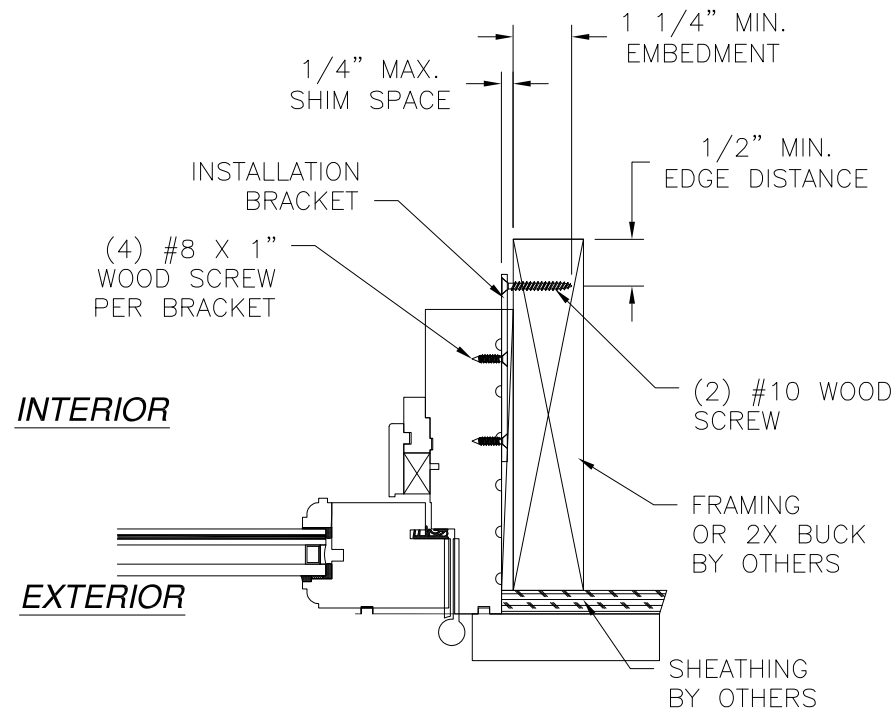
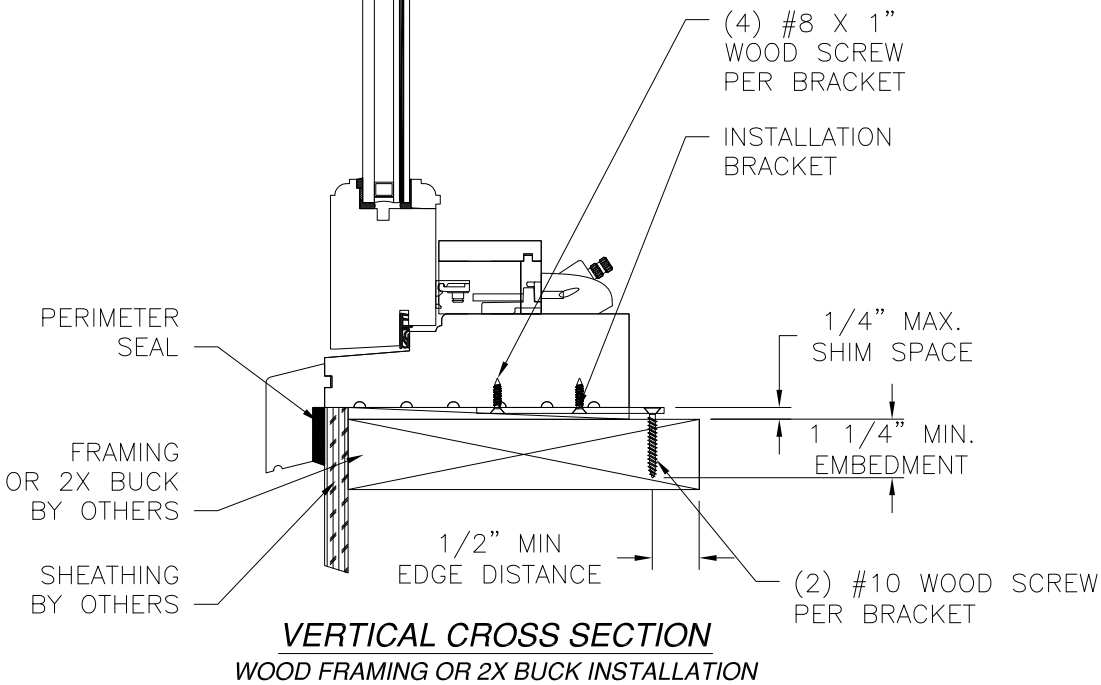
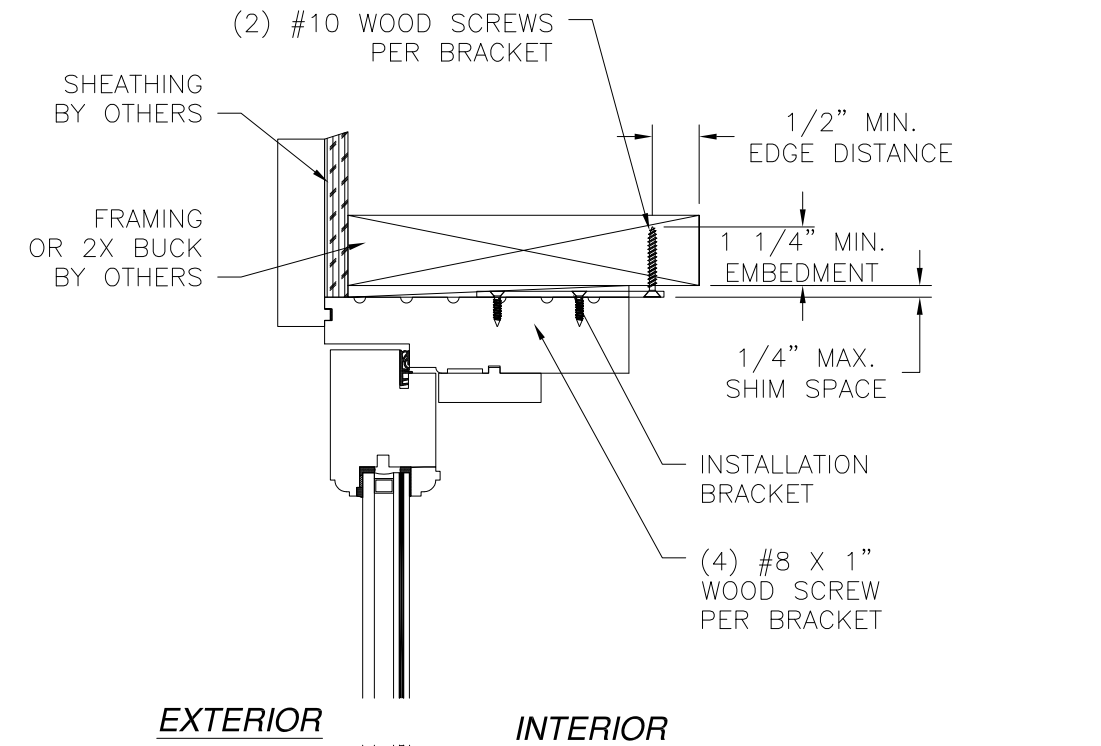
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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C01 WOOD CASEMENT WINDOW
LARGE AND SMALL MISSILE IMPACT – HVHZ
INSTALLATION DETAILS W/CLIP

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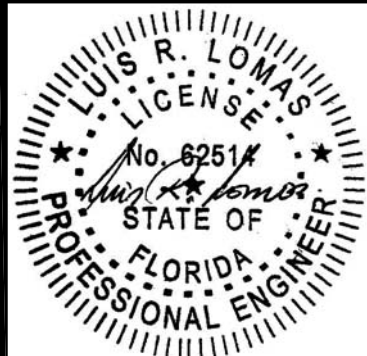
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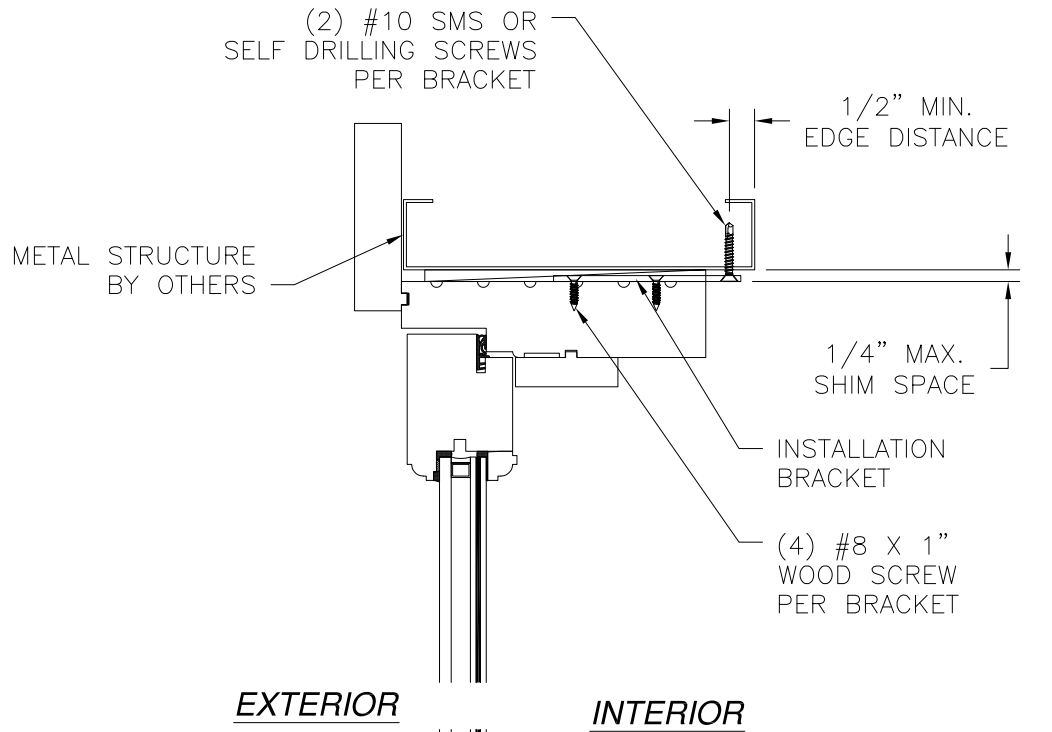
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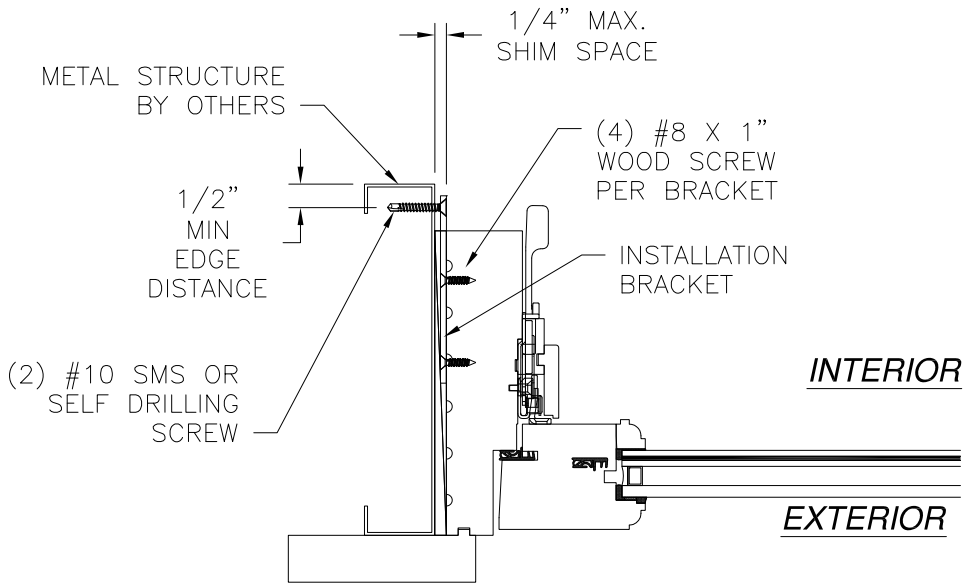
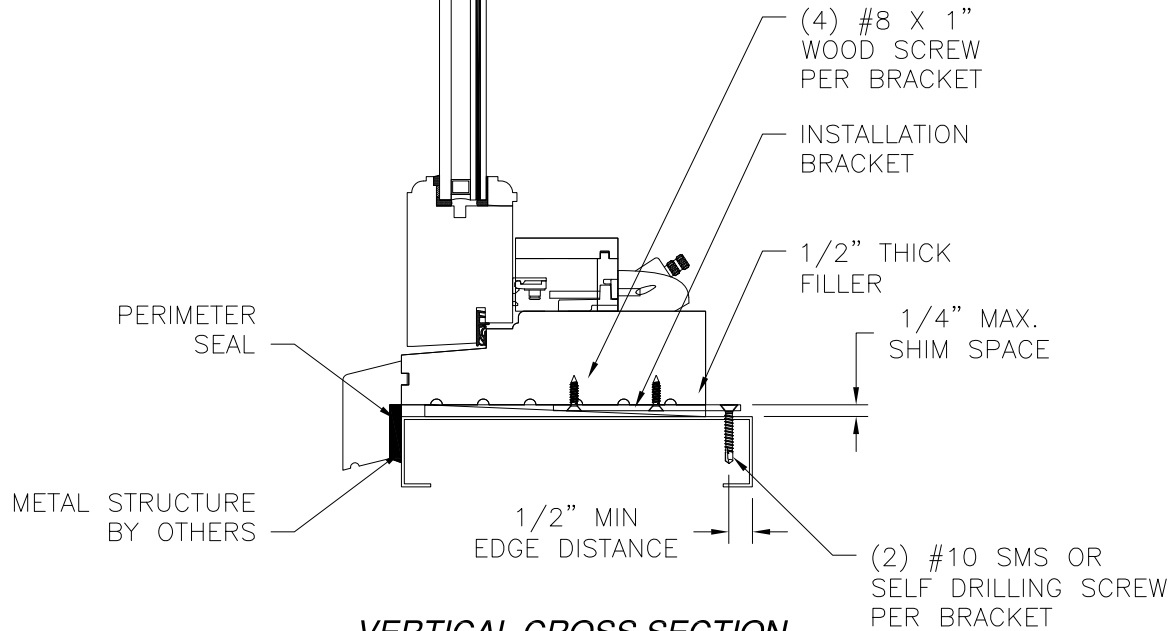


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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C01 WOOD CASEMENT WINDOW
LARGE AND SMALL MISSILE IMPACT – HVHZ
INSTALLATION DETAILS W/CLIP

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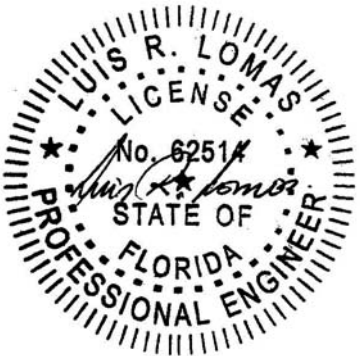
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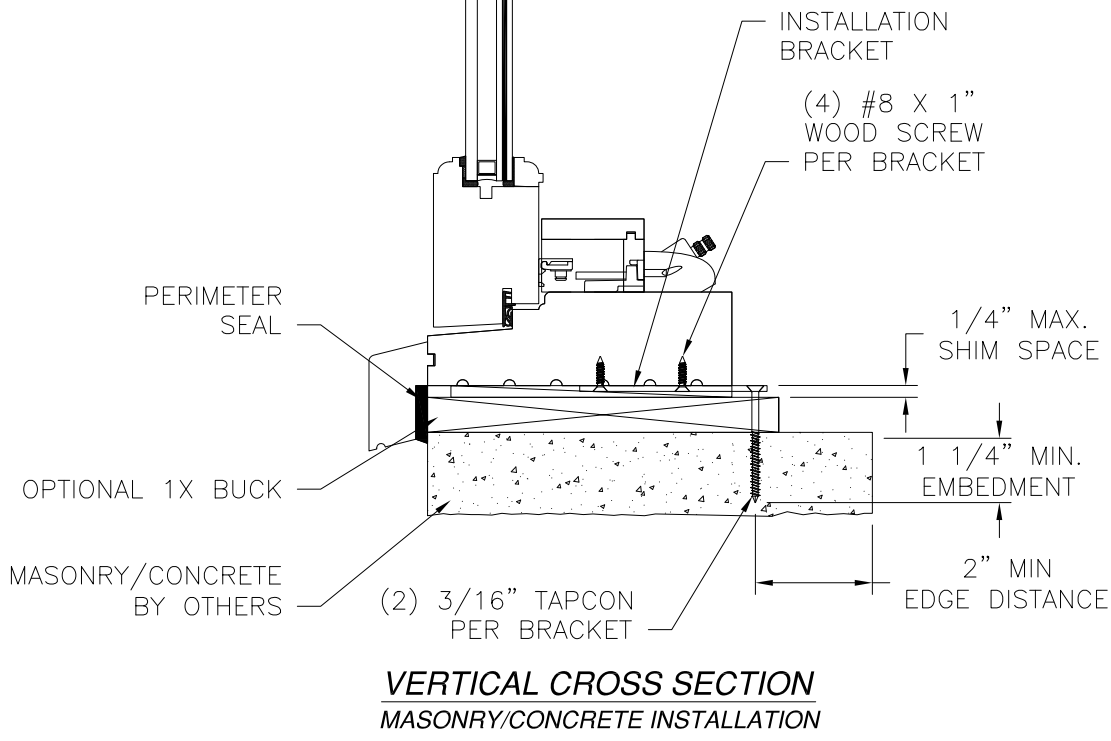
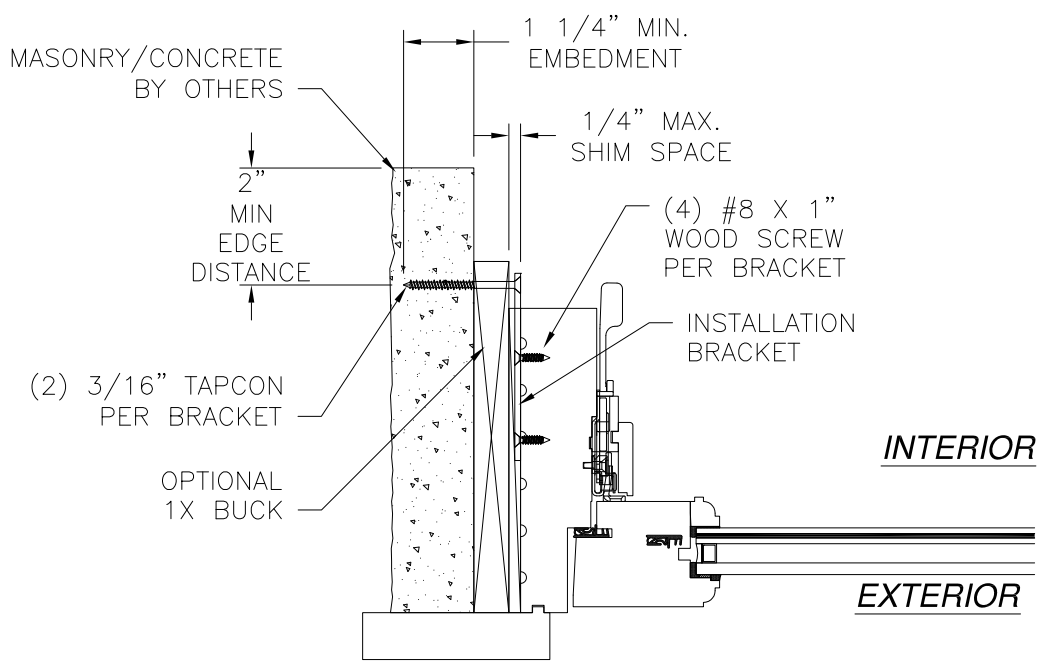
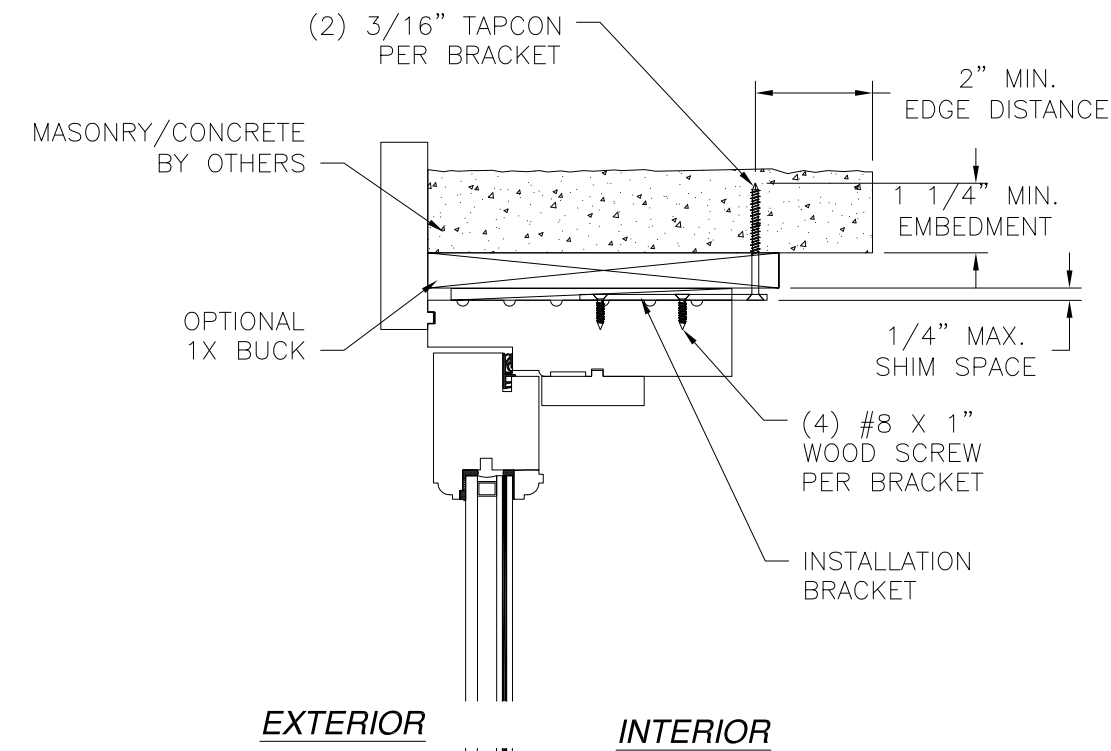
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C01 WOOD CASEMENT WINDOW
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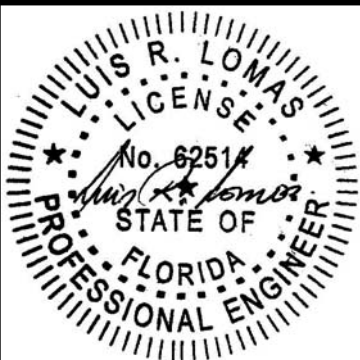
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SHEET 9 OF 13

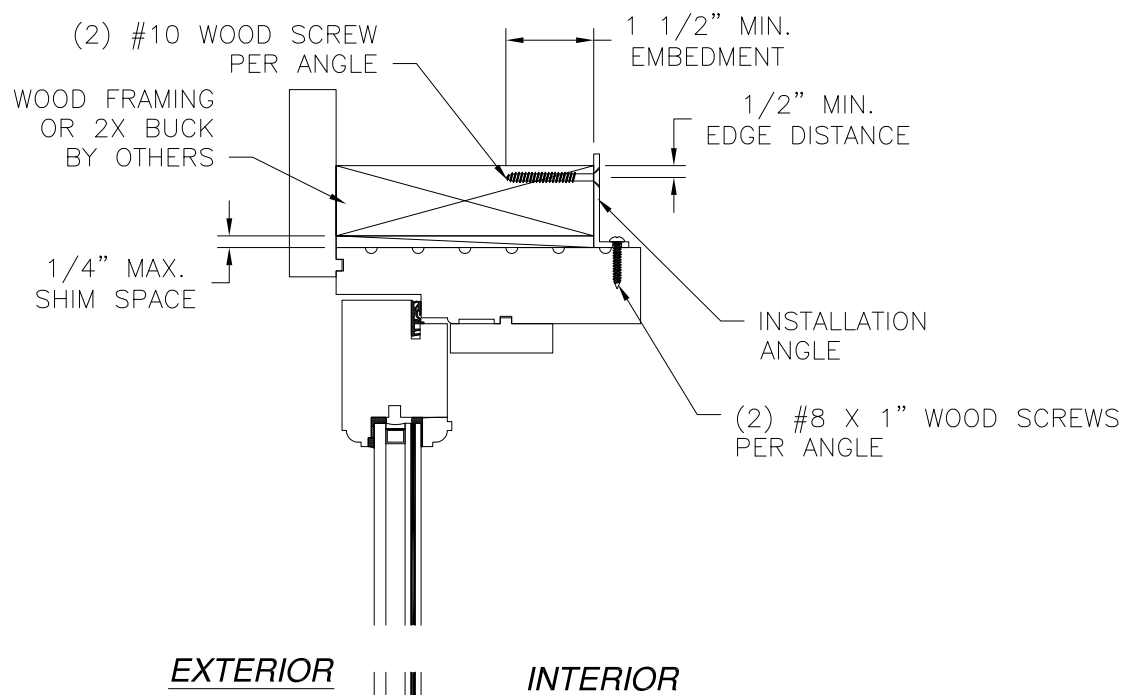
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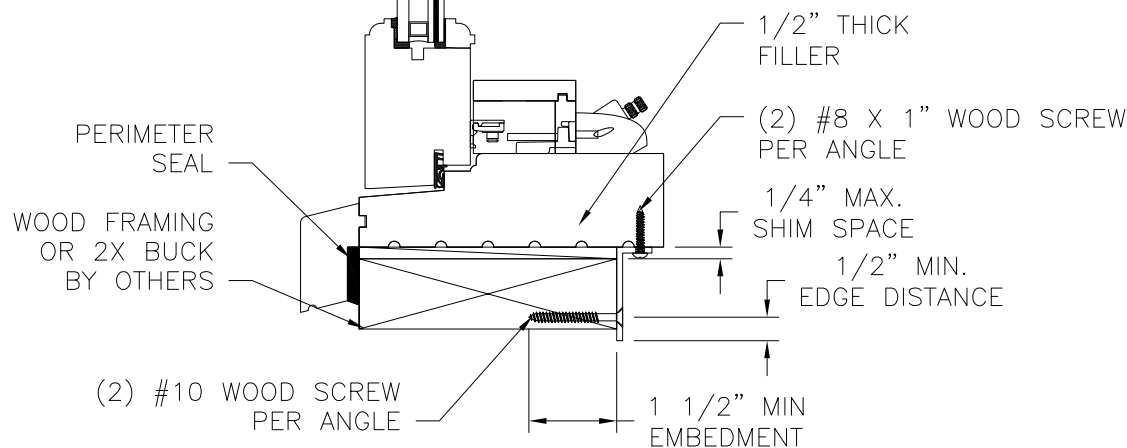


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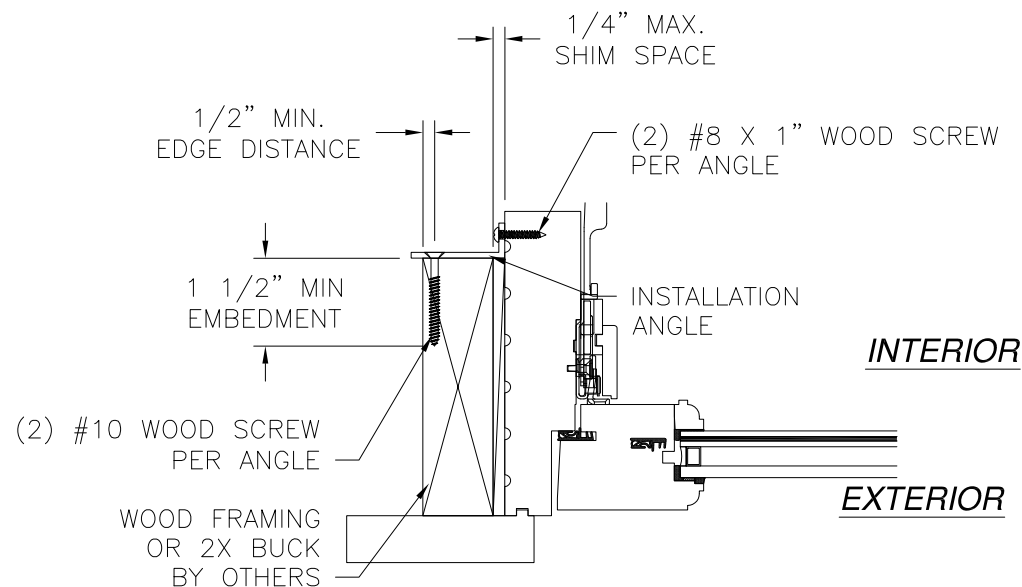
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EXTERIOR INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

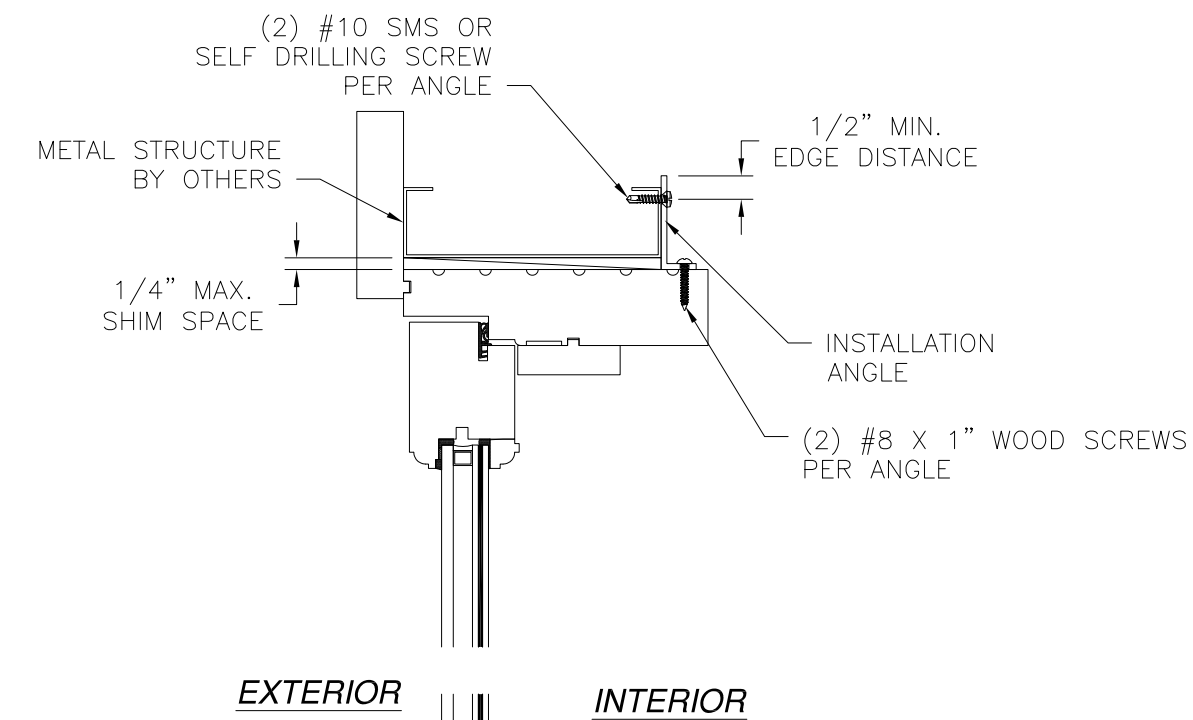
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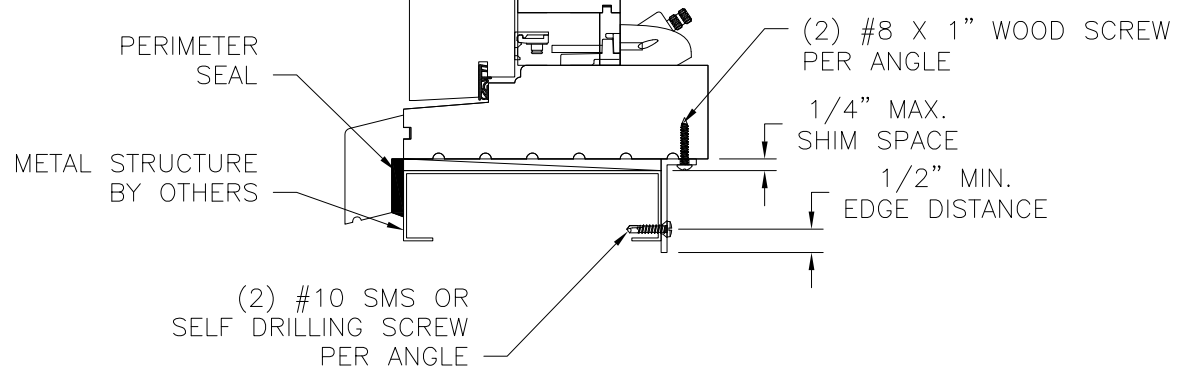
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C01 WOOD CASEMENT WINDOW LARGE AND SMALL MISSILE IMPACT – HVHZ INSTALLATION DETAILS W/ANGLE		
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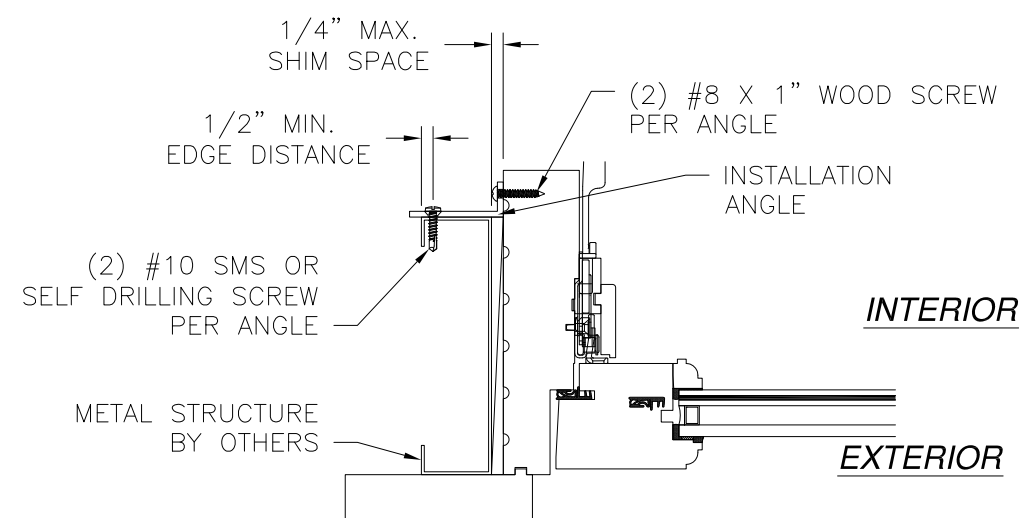
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EXTERIOR INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



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METAL STRUCTURE INSTALLATION

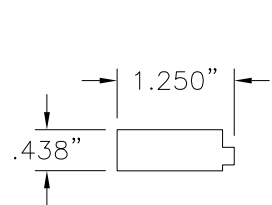
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 11/21/2018

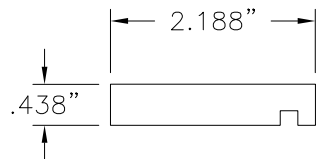
REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
C01 WOOD CASEMENT WINDOW LARGE AND SMALL MISSILE IMPACT – HVHZ INSTALLATION DETAILS W/ANGLE		
DRAWN: R.L.	DWG NO. 08-00285	REV D
SCALE NTS	DATE 10/17/07	SHEET 11 OF 13
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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

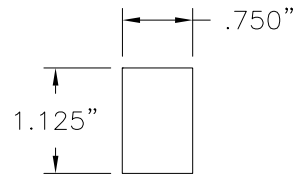
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	ADD CLIP INSTALLATION	11/21/18	R.L.



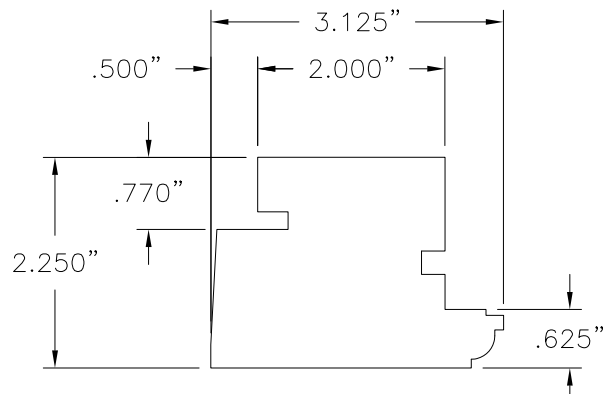
① **BOX COVER**
MAHOGANY



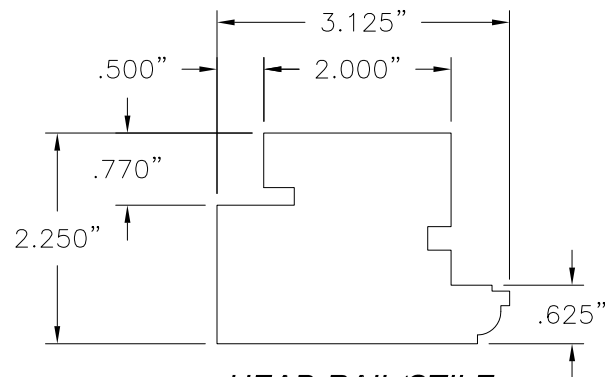
② **BOX COVER**
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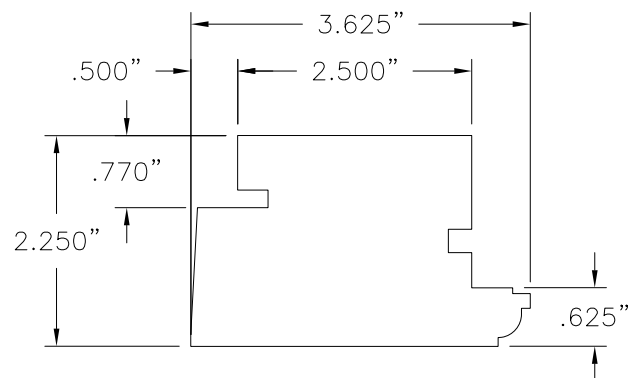
③ **BOX COVER SUPPORT**
MAHOGANY



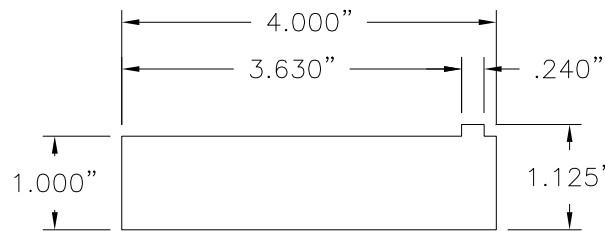
④ **HEAD STILE**
MAHOGANY



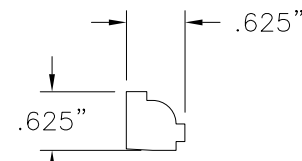
⑤ **HEAD RAIL/STILE**
MAHOGANY



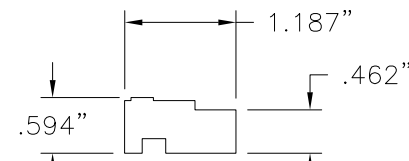
⑥ **BOTTOM RAIL**
MAHOGANY



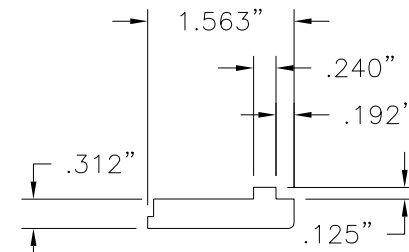
⑦ **CASING**
MAHOGANY



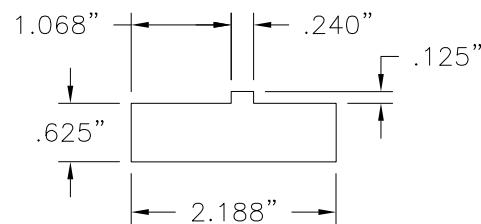
⑧ **GLASS STOP**
MAHOGANY



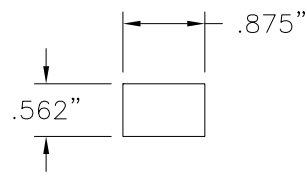
⑨ **JAMB STOP**
MAHOGANY



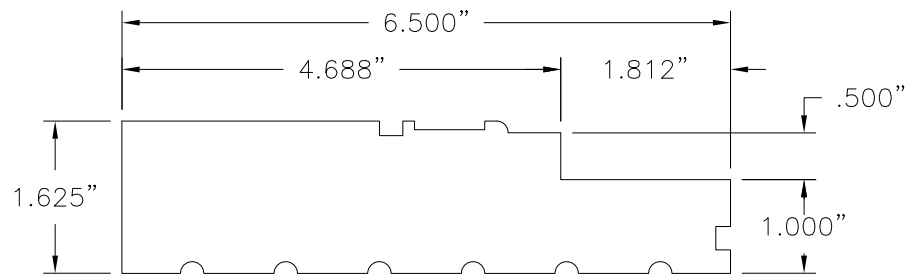
⑩ **JAMB STOP**
MAHOGANY



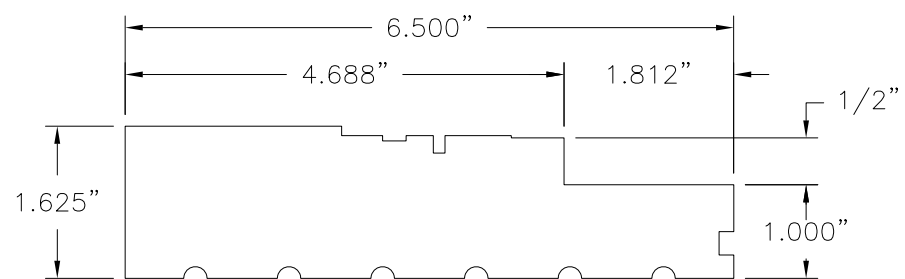
⑪ **JAMB STOP**
MAHOGANY



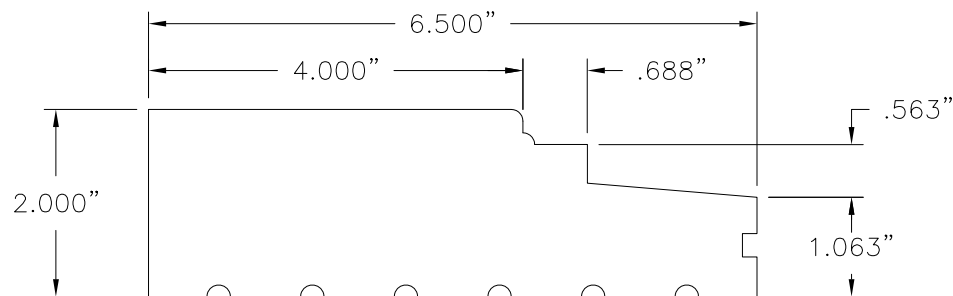
⑫ **JAMB STOP BLOCK**
MAHOGANY



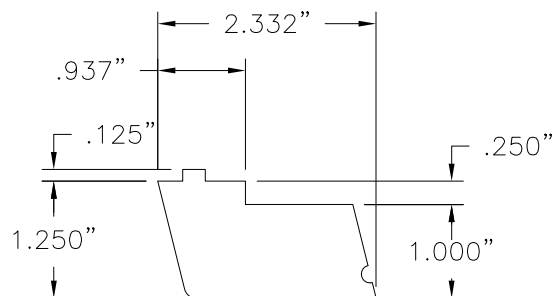
⑬ **JAMB HEAD**
MAHOGANY



⑭ **JAMB LEG**
MAHOGANY



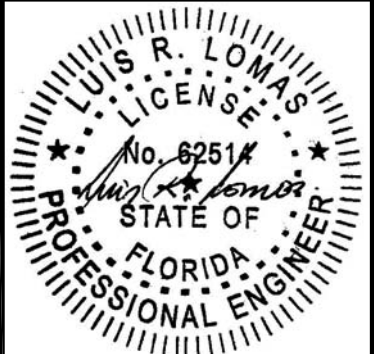
⑮ **SILL**
MAHOGANY



⑯ **SILL NOSING**
MAHOGANY

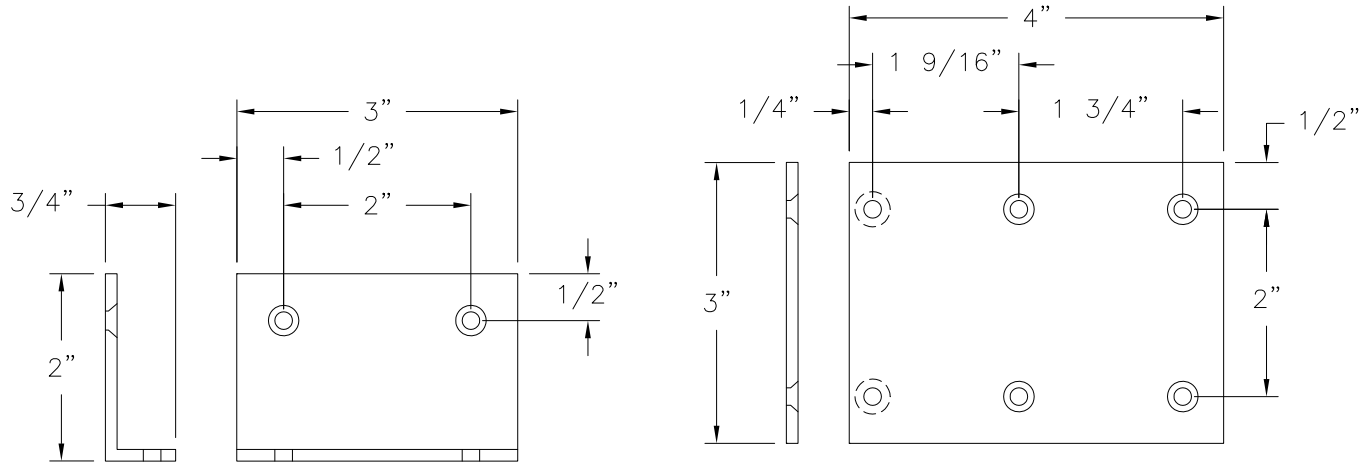
SIGNED: 11/21/2018

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C01 WOOD CASEMENT WINDOW LARGE AND SMALL MISSILE IMPACT - HVHZ COMPONENTS		
DRAWN: R.L.	DWG NO. 08-00285	REV D
SCALE NTS	DATE 10/17/07	SHEET 12 OF 13
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



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



INSTALLATION ANGLE
ALUMINUM 6063-T5 .125 " THICK

INSTALLATION BRACKET
ALUMINUM 6063-T5 .125 " THICK

19 **MOBILE LOCK BAR**

SIGNED: 11/21/2018

REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933			
C01 WOOD CASEMENT WINDOW LARGE AND SMALL MISSILE IMPACT – HVHZ COMPONENTS			
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