

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED COMPONENTS	11/19/18	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” 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 1/2”.
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: THERMALLY BROKEN BRONZE
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 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 MASONRY/CONCRETE USE 1/4” ELCO CRETE–FLEX TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2” MINIMUM EDGE DISTANCE. 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 .060” 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.
20. WINDOW UNIT MAY BE INSTALLED WITH EITHER FACE OF FRAME TO THE EXTERIOR OR THE INTERIOR.

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10	COMPONENTS

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

RWD40 B FIXED WINDOW
THERMALLY BROKEN BRONZE FRAME, IMPACT, HVHZ
NOTES

DRAWN:
R.L.

DWG NO.
08–03037

REV
A

SCALE NTS

DATE 02/06/17

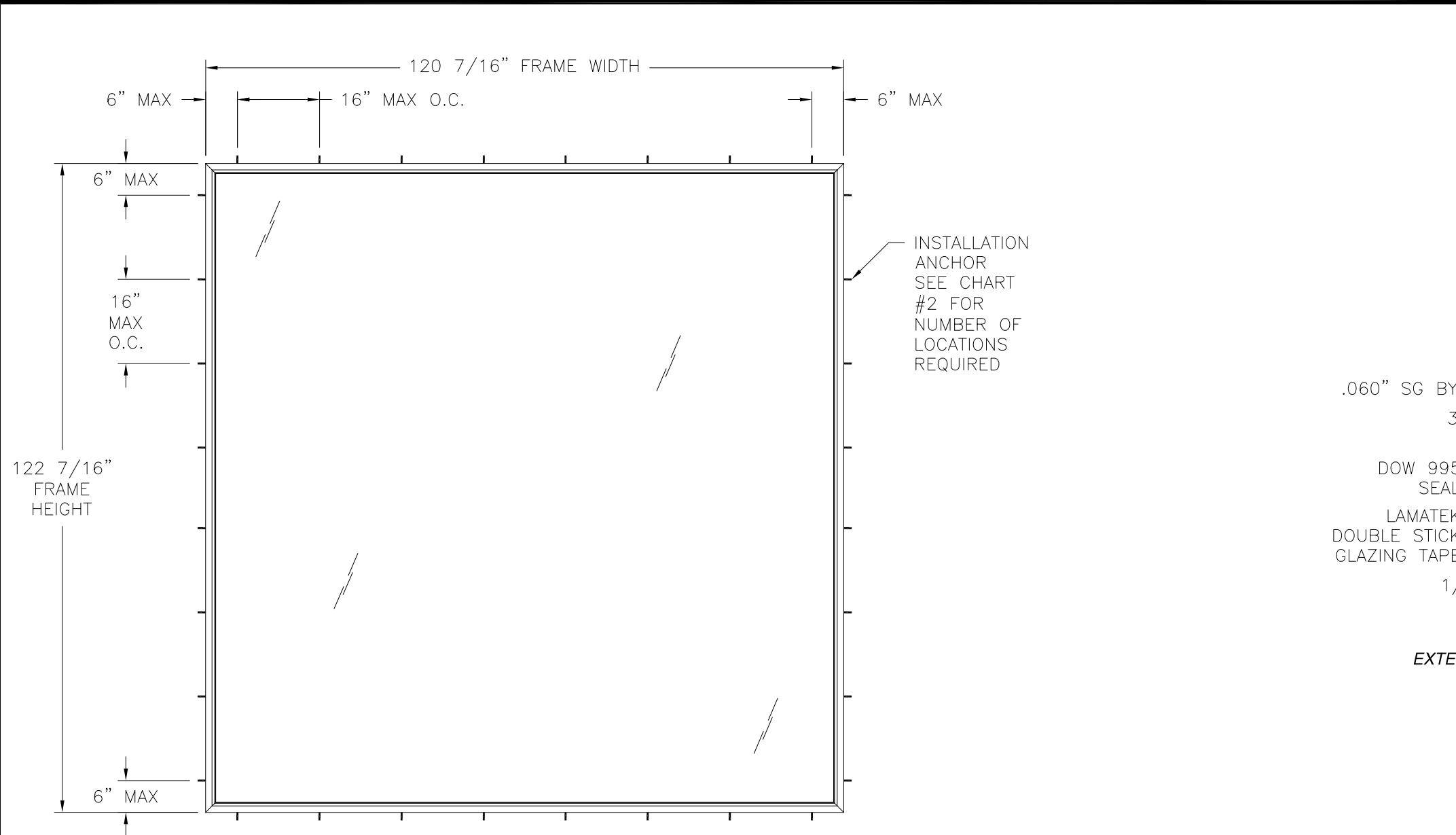
SHEET 1 OF 10

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
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SIGNED: 11/20/2018



Luis R. Lomas P.E.
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RWD40 B FIXED WINDOW
EXTERIOR VIEW

SEE CHART # 1 FOR SMALLER SIZES RATINGS

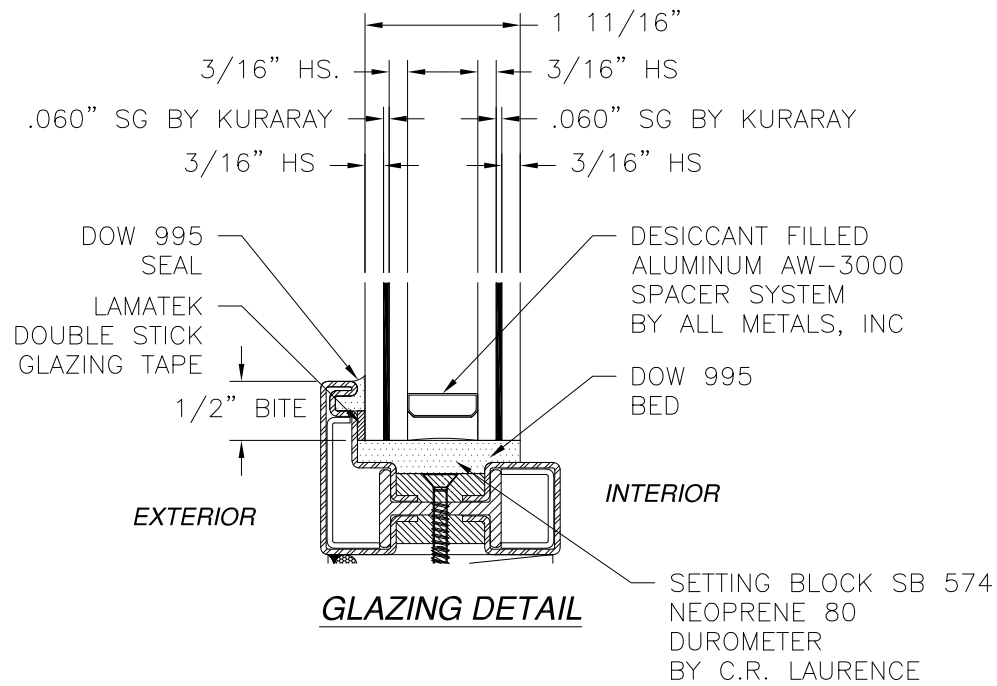
DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ

120 7/16" X 122 7/16" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS FRAME AREA DOES NOT EXCEED 102.40 FT²

NOTES:
1. D.L.O.: 118" X 120"

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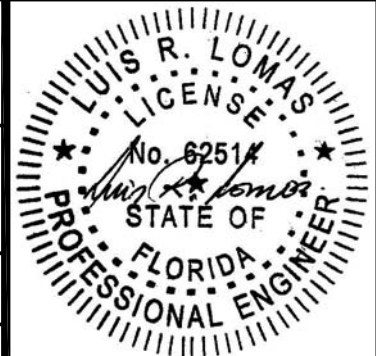
REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD40 B FIXED WINDOW
THERMALLY BROKEN BRONZE FRAME, IMPACT, HVHZ
ELEVATION & CHARTS

DRAWN: R.L.	DWG NO. 08-03037	REV A
SCALE NTS	DATE 02/06/17	SHEET 2 OF 10

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Chart # 1 - Maximum design pressure (psf)																										
Frame Height (in)	Frame width (in)																									
	48.00		54.00		60.00		66.00		72.00		78.00		84.00		90.00		96.00		102.00		108.00		114.00		120.44	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
48.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
54.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
60.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
66.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
72.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.5	74.5	72.7	72.7
78.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	73.7	73.7	71.6	71.6	69.6	69.6	69.6
84.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.3	74.3	71.5	71.5	69.2	69.2	67.1	67.1	67.1	67.1
90.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	73.0	73.0	69.9	69.9	67.4	67.4	65.1	65.1	65.1	65.1
96.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	72.3	72.3	68.9	68.9	66.1	66.1	63.6	63.6	63.6	63.6
102.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.3	74.3	73.0	73.0	72.3	72.3	72.0	72.0	68.2	68.2	65.1	65.1	62.4	62.4	62.4
108.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	73.7	73.7	71.5	71.5	69.9	69.9	68.9	68.9	68.2	68.2	68.0	68.0	64.6	64.6	61.6	61.6
114.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.5	74.5	71.6	71.6	69.2	69.2	67.4	67.4	66.1	66.1	65.1	65.1	64.6	64.6	64.4	64.4	61.2	61.2
120.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	72.9	72.9	69.7	69.7	67.3	67.3	65.3	65.3	63.8	63.8	62.6	62.6	61.8	61.8	61.4	61.4	61.0	61.0
122.44	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	72.2	72.2	69.1	69.1	66.5	66.5	64.5	64.5	62.9	62.9	61.7	61.7	60.8	60.8	60.3	60.3	60.0	60.0

Chart #2 - Number of anchors required																										
Frame Height (in)	Frame width (in)																									
	48.00		54.00		60.00		66.00		72.00		78.00		84.00		90.00		96.00		102.00		108.00		114.00		120.44	
	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb
48.00	4	4	4	4	4	4	5	4	5	4	6	4	6	4	6	4	7	4	7	4	7	4	8	4	8	4
54.00	4	4	4	4	4	4	5	4	5	4	6	4	6	4	6	4	7	4	7	4	7	4	8	4	8	4
60.00	4	4	4	4	4	4	5	4	5	4	6	4	6	4	6	4	7	4	7	4	7	4	8	4	8	4
66.00	4	5	4	5	4	5	5	5	5	5	6	5	6	5	6	5	7	5	7	5	7	5	8	5	8	5
72.00	4	5	4	5	4	5	5	5	5	5	6	5	6	5	6	5	7	5	7	5	7	5	8	5	8	5
78.00	4	6	4	6	4	6	5	6	5	6	6	6	6	6	6	6	7	6	7	6	7	6	8	6	8	6
84.00	4	6	4	6	4	6	5	6	5	6	6	6	6	6	6	6	7	6	7	6	7	6	8	6	8	6
90.00	4	6	4	6	4	6	5	6	5	6	6	6	6	6	6	6	7	6	7	6	7	6	8	6	8	6
96.00	4	7	4	7	4	7	5	7	5	7	6	7	6	7	6	7	7	7	7	7	7	7	8	7	8	7
102.00	4	7	4	7	4	7	5	7	5	7	6	7	6	7	6	7	7	7	7	7	7	7	8	7	8	7
108.00	4	7	4	7	4	7	5	7	5	7	6	7	6	7	6	7	7	7	7	7	7	7	8	7	8	7
114.00	4	8	4	8	4	8	5	8	5	8	6	8	6	8	6	8	7	8	7	8	7	8	8	8	8	8
120.00	4	8	4	8	4	8	5	8	5	8	6	8	6	8	6	8	7	8	7	8	7	8	8	8	8	8
122.44	4	8	4	8	4	8	5	8	5	8	6	8	6	8	6	8	7	8	7	8	7	8	8	8	8	8

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

RWD40 B FIXED WINDOW
THERMALLY BROKEN BRONZE FRAME, IMPACT, HVHZ
COMPONENTS & GLAZING DETAIL

DRAWN:
R.L.

DWG NO.
08-03037

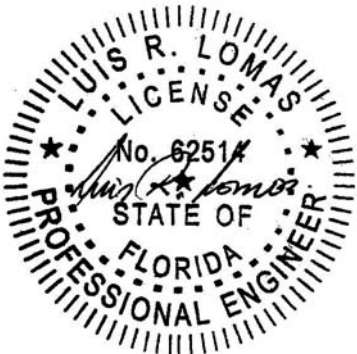
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DATE 02/06/17

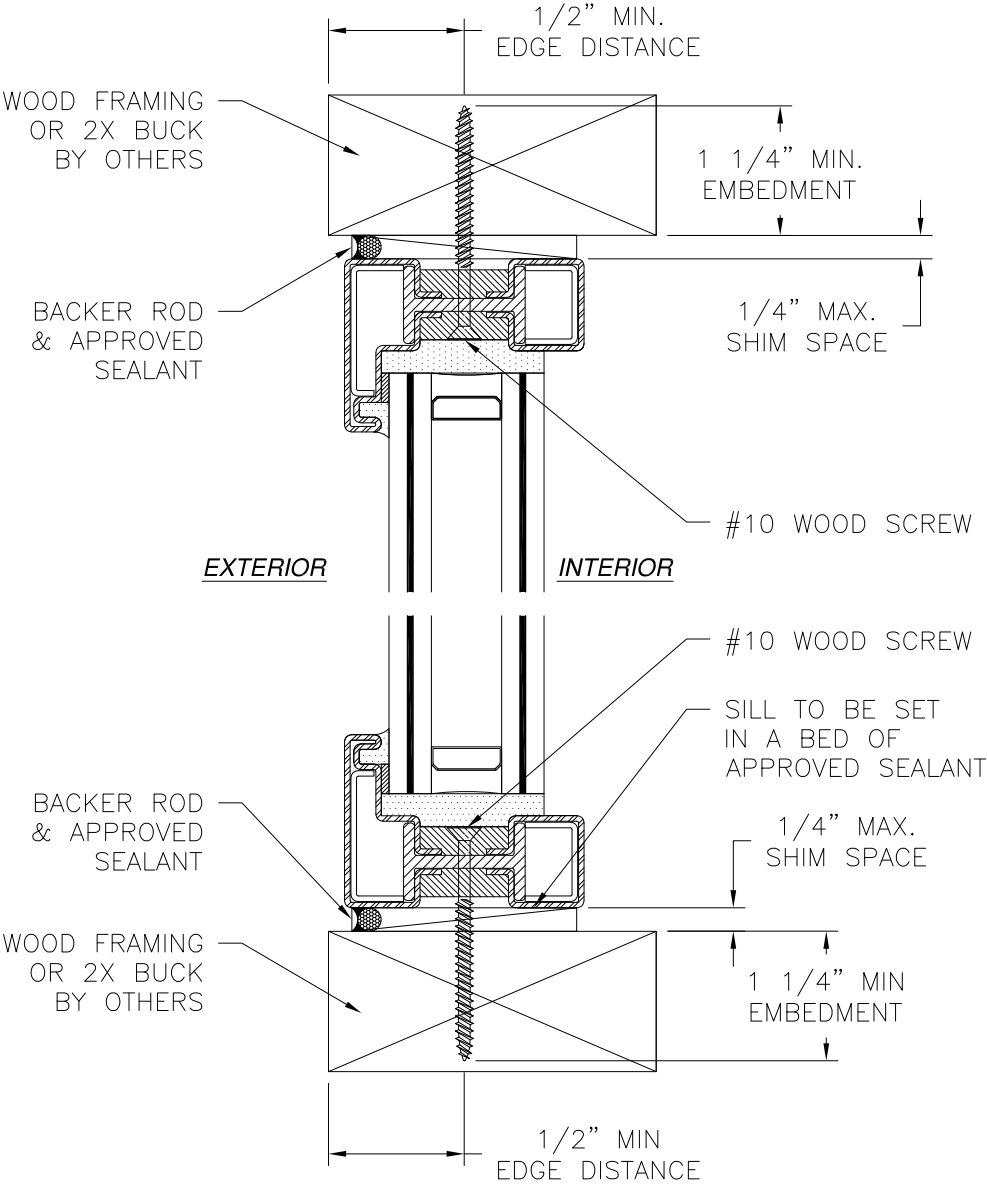
SHEET 3 OF 10

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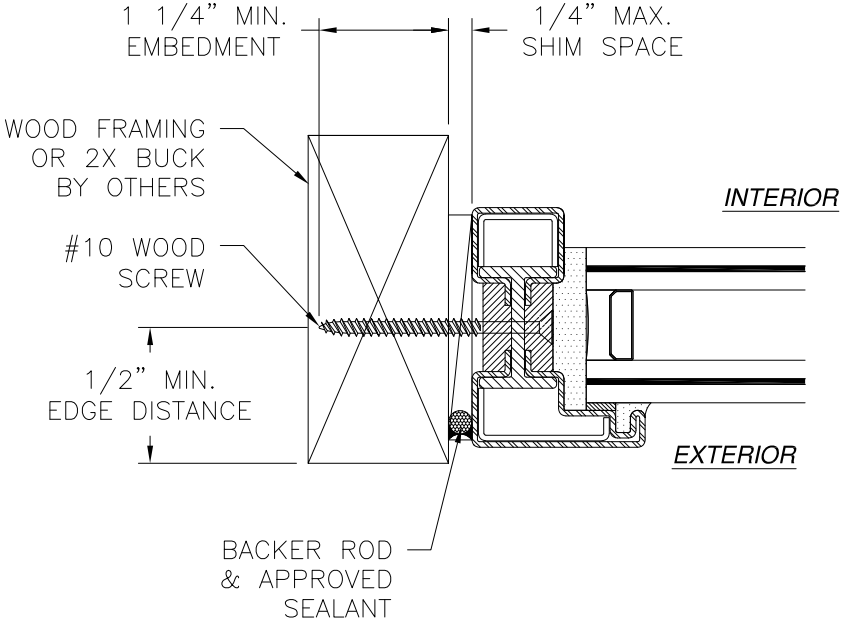


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED COMPONENTS	11/19/18	R.L.



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

SIGNED: 11/20/2018

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

RWD40 B FIXED WINDOW
THERMALLY BROKEN BRONZE FRAME, IMPACT, HVHZ
INSTALLATION DETAILS

DRAWN:
R.L.

DWG NO.
08-03037

REV
A

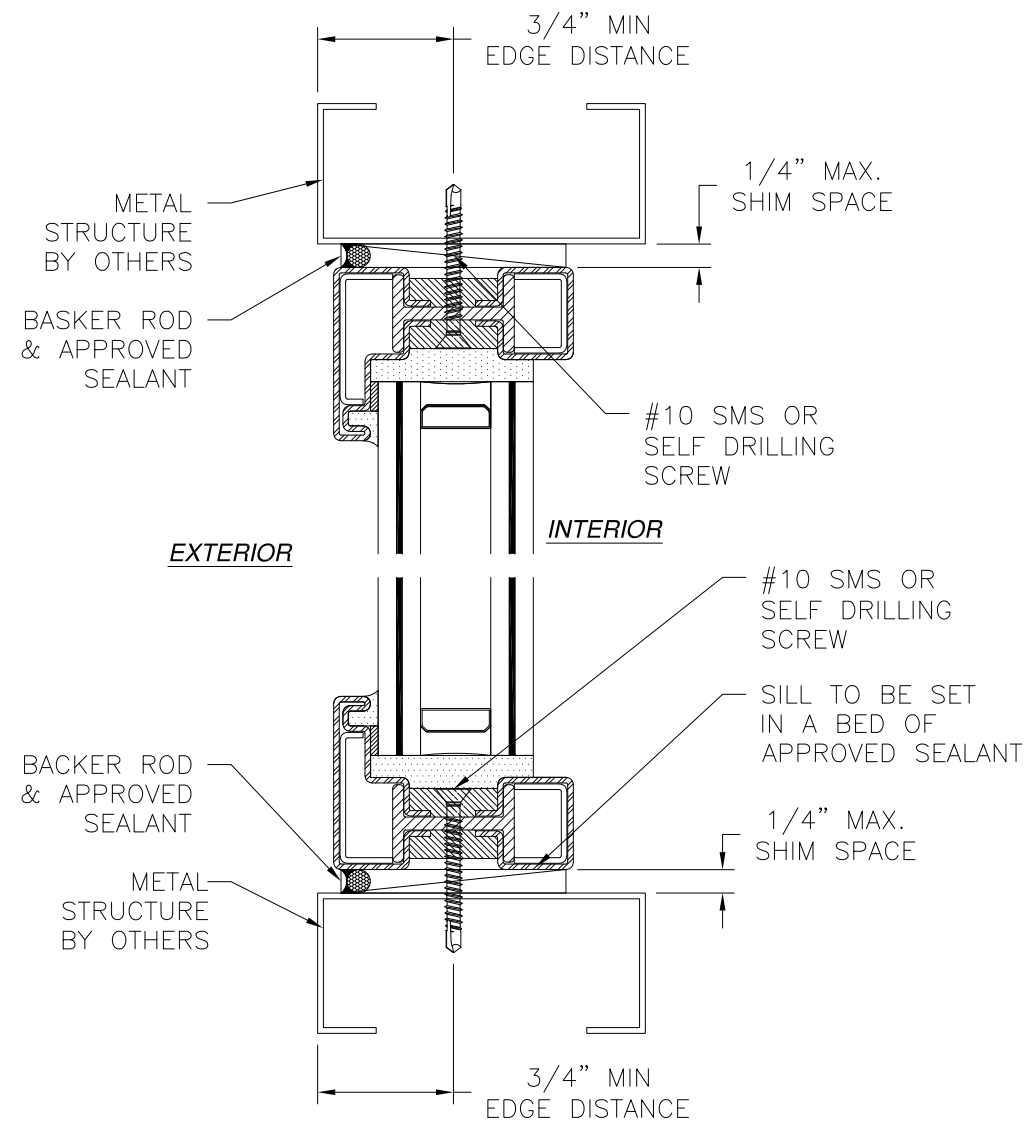
SCALE NTS
DATE 02/06/17
SHEET 4 OF 10

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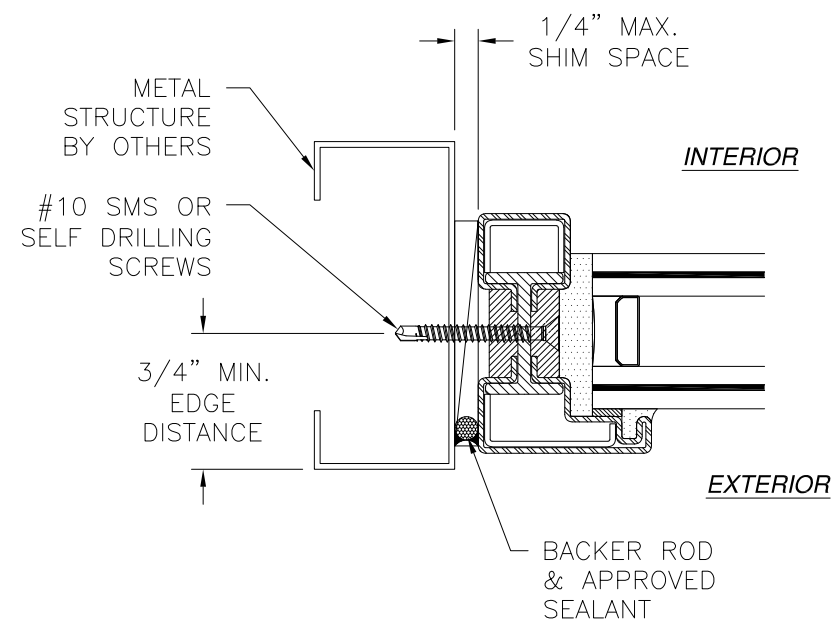


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



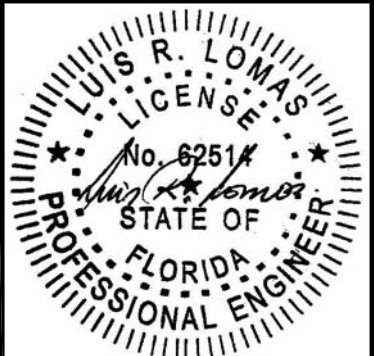
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:

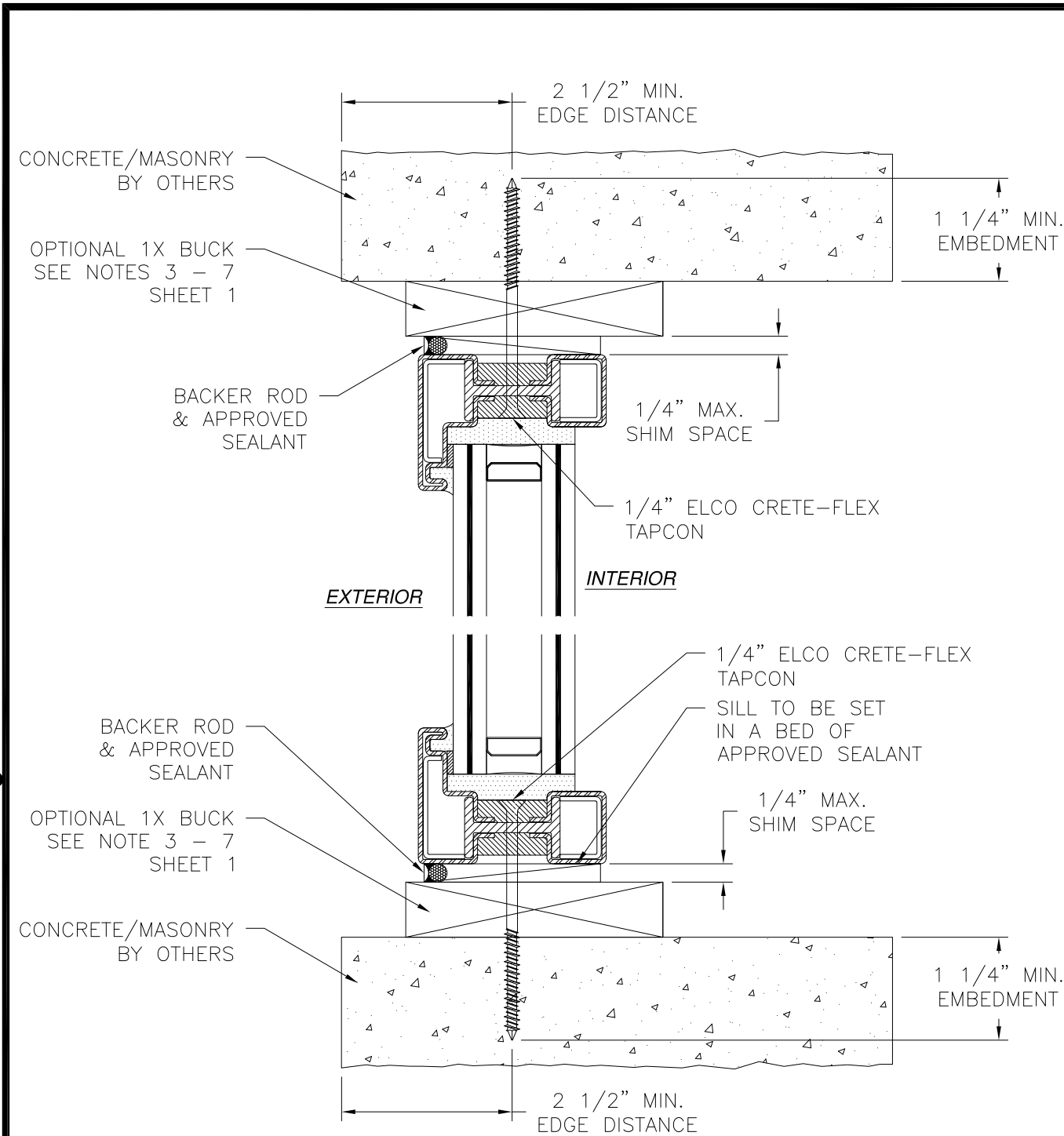
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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SIGNED: 11/20/2018

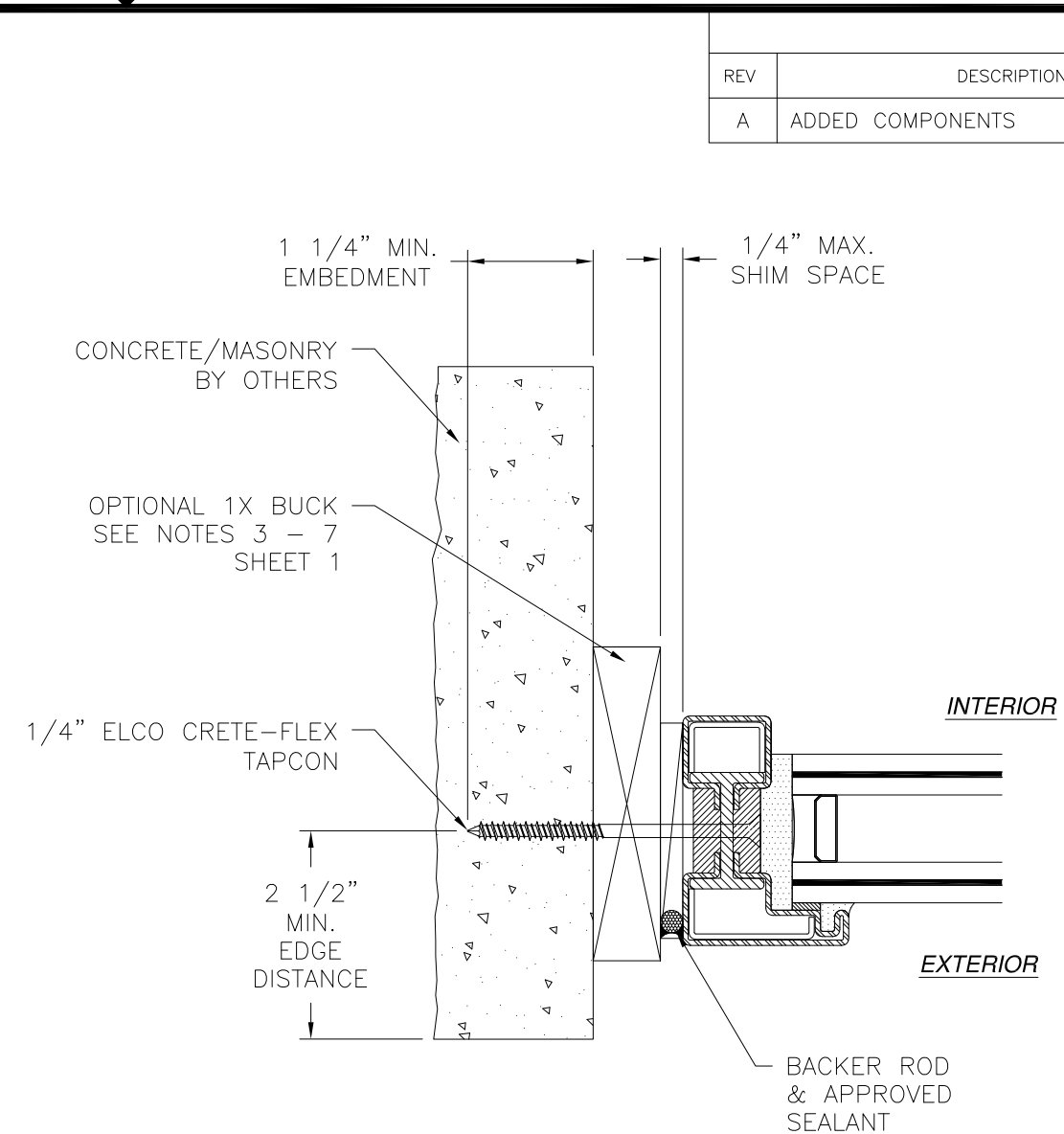
REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD40 B FIXED WINDOW THERMALLY BROKEN BRONZE FRAME, IMPACT, HVHZ INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03037	REV A
SCALE NTS	DATE 02/06/17	SHEET 5 OF 10
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

- NOTES:**
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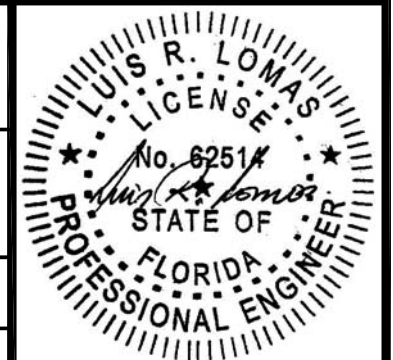
REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD40 B FIXED WINDOW
THERMALLY BROKEN BRONZE FRAME, IMPACT, HVHZ
INSTALLATION DETAILS

DRAWN: R.L.	DWG NO. 08-03037	REV A
SCALE NTS	DATE 02/06/17	SHEET 6 OF 10

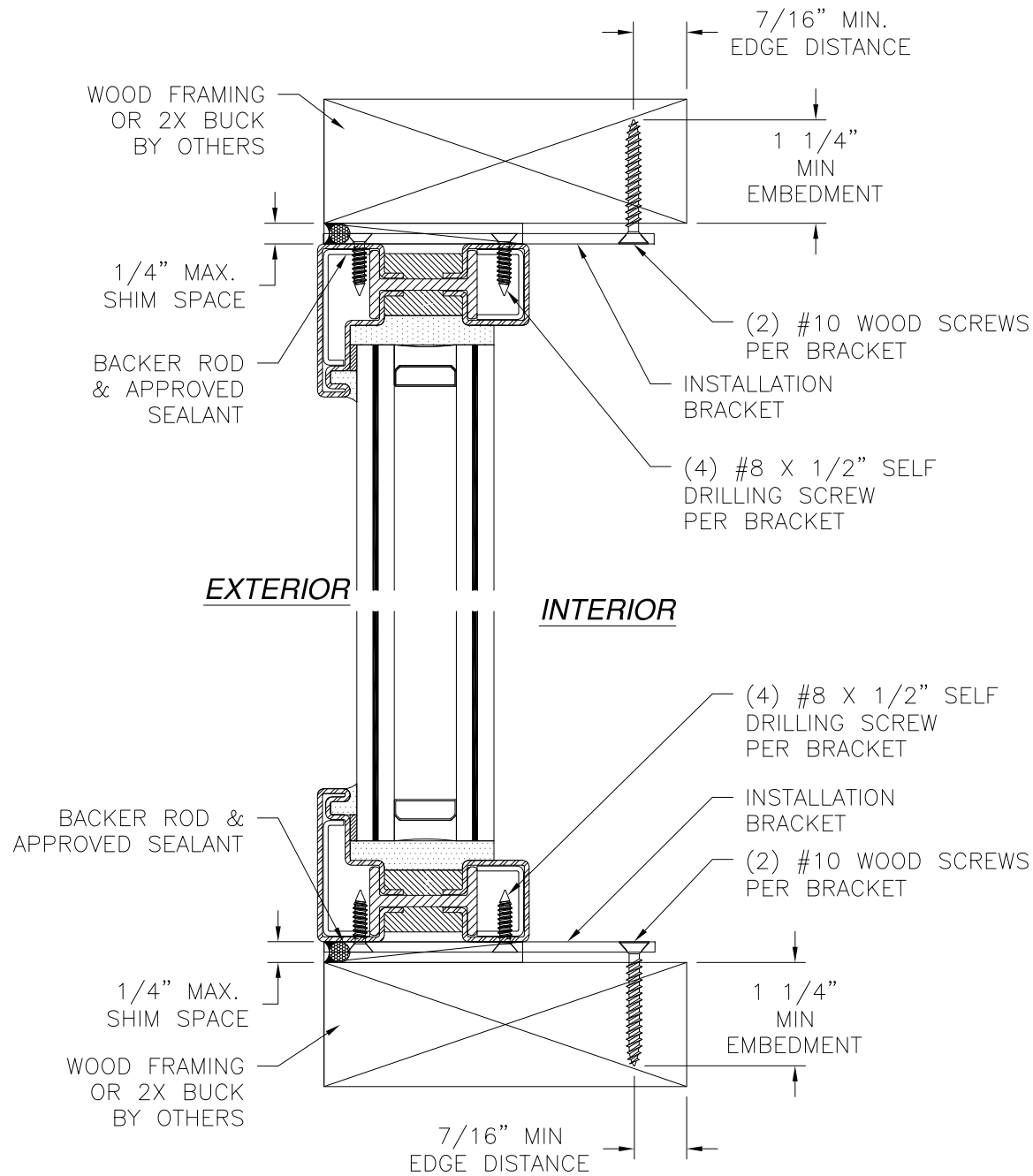
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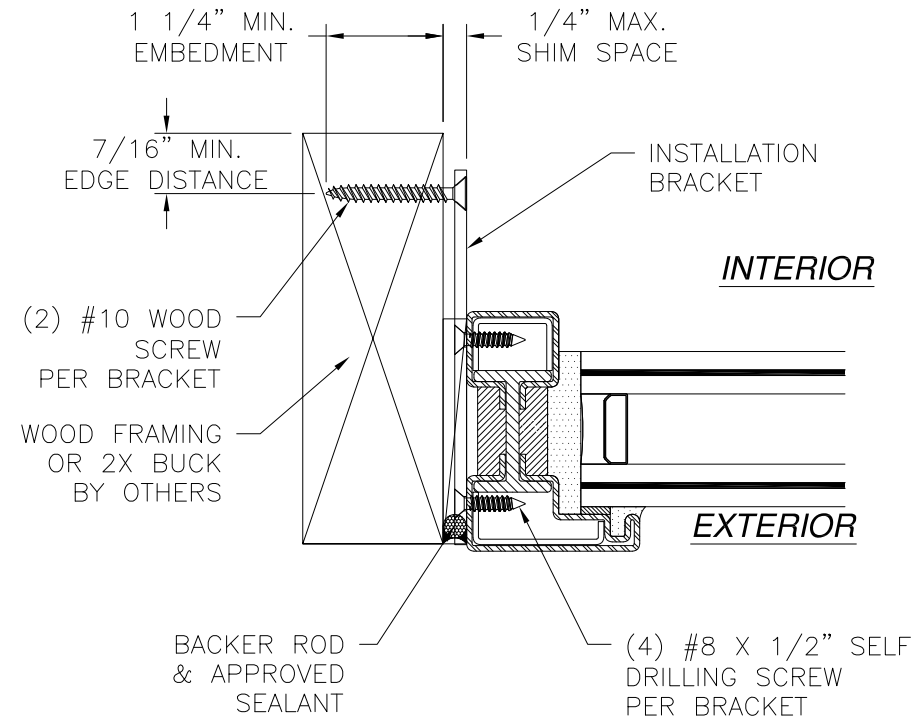


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

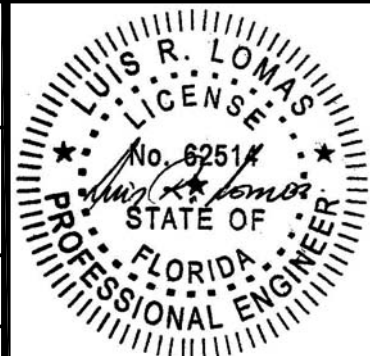


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:**
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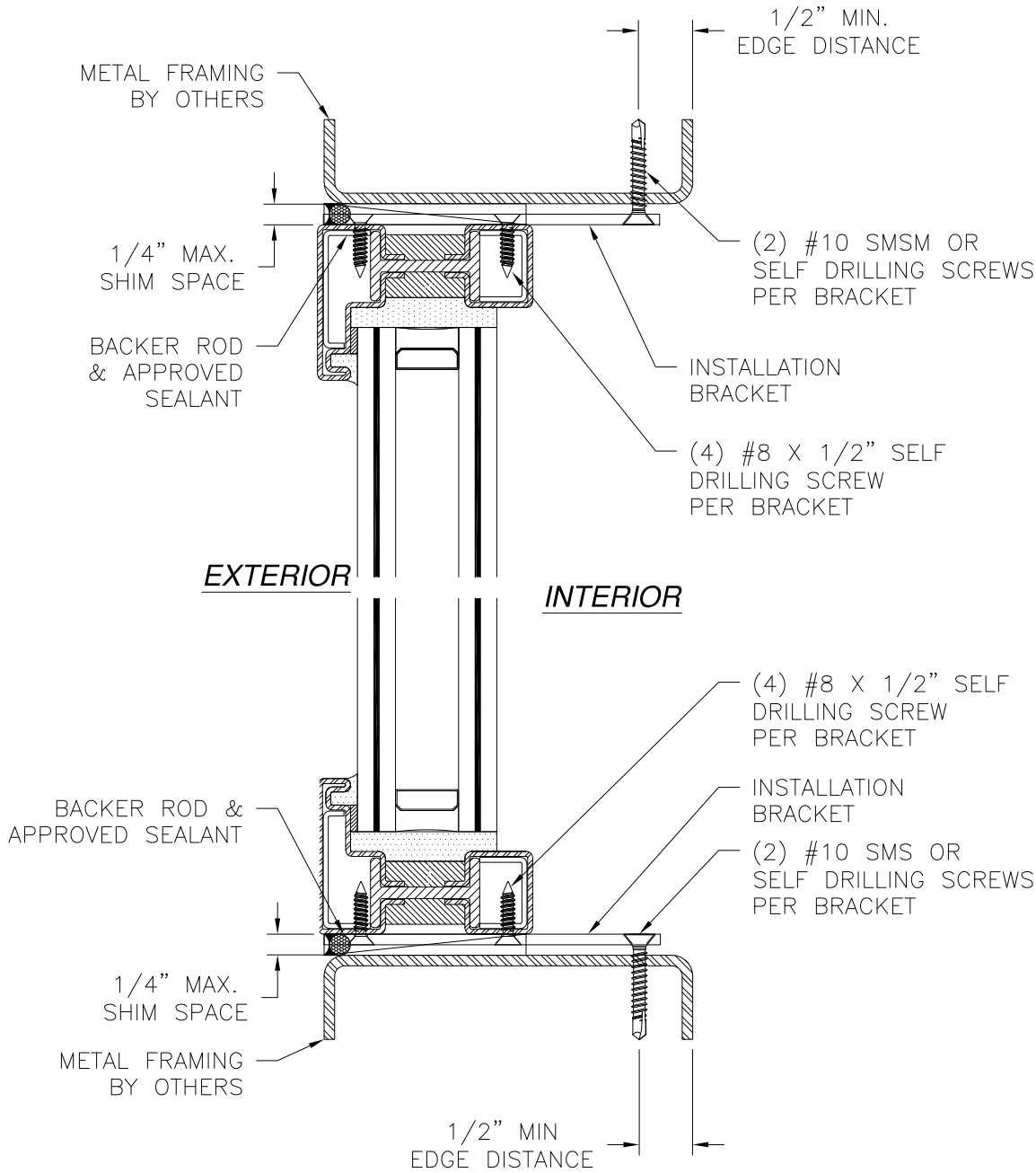
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REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD40 B FIXED WINDOW THERMALLY BROKEN BRONZE FRAME, IMPACT, HVHZ INSTALLATION DETAILS W/INSTALLATION BRACKET		
DRAWN: R.L.	DWG NO. 08-03037	REV A
SCALE NTS	DATE 02/06/17	SHEET 7 OF 10
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

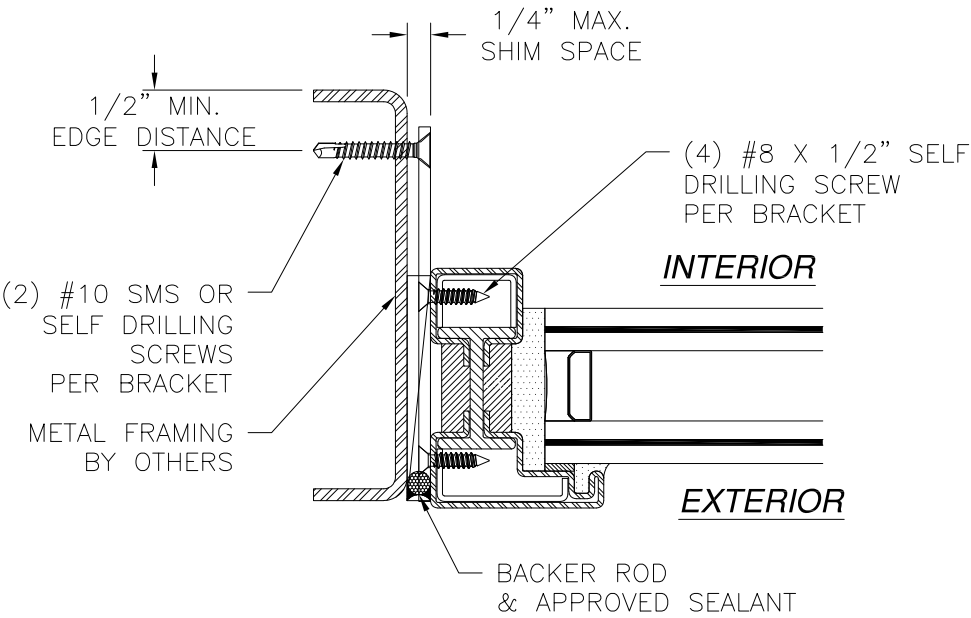


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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901 BURMAN BLVD.
CALVERTON, NY 11933

RWD40 B FIXED WINDOW
THERMALLY BROKEN BRONZE FRAME, IMPACT, HVHZ
INSTALLATION DETAILS W/INSTALLATION BRACKET

DRAWN:
R.L.

DWG NO.
08-03037

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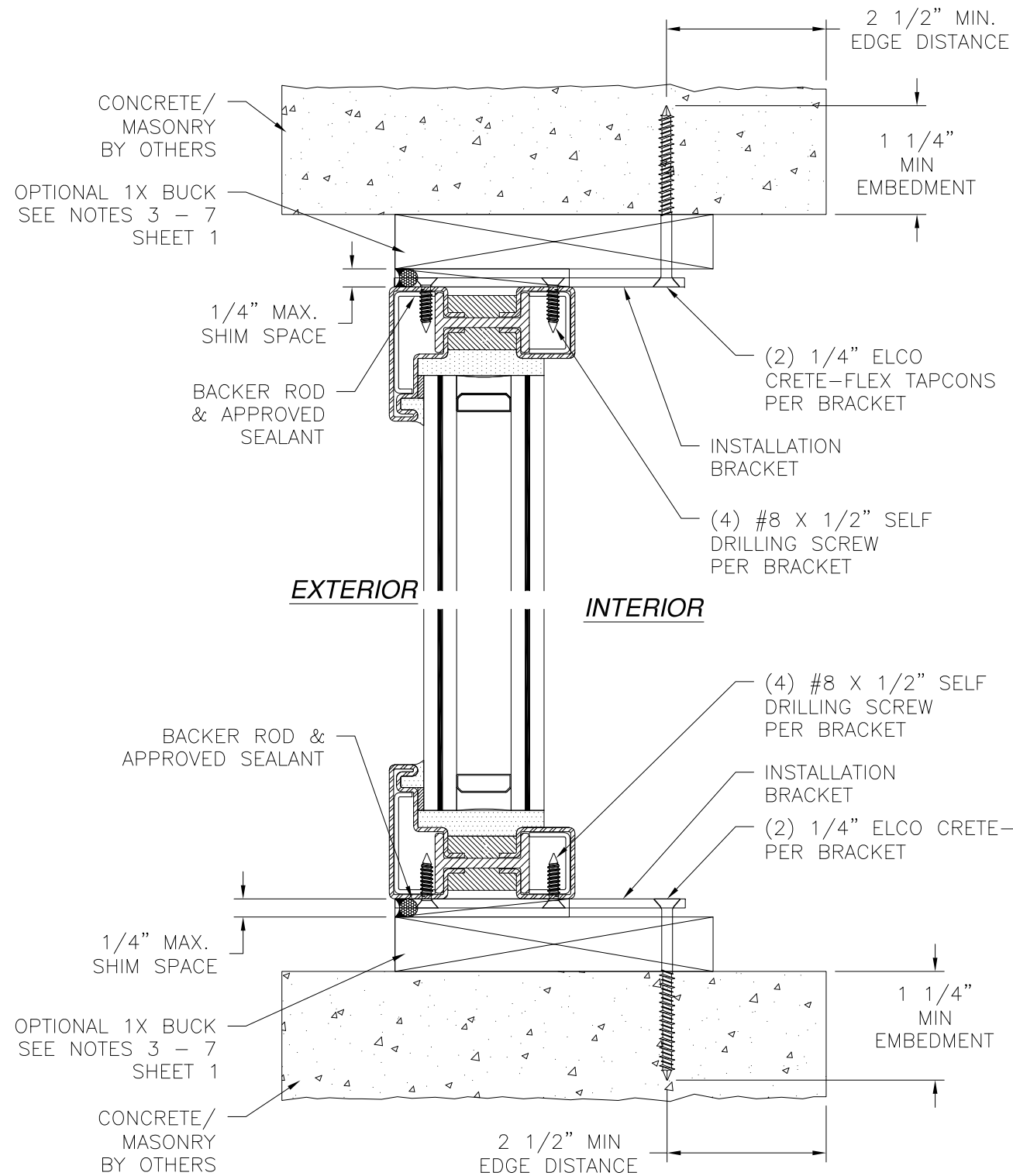
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02/06/17

SHEET
8 OF 10

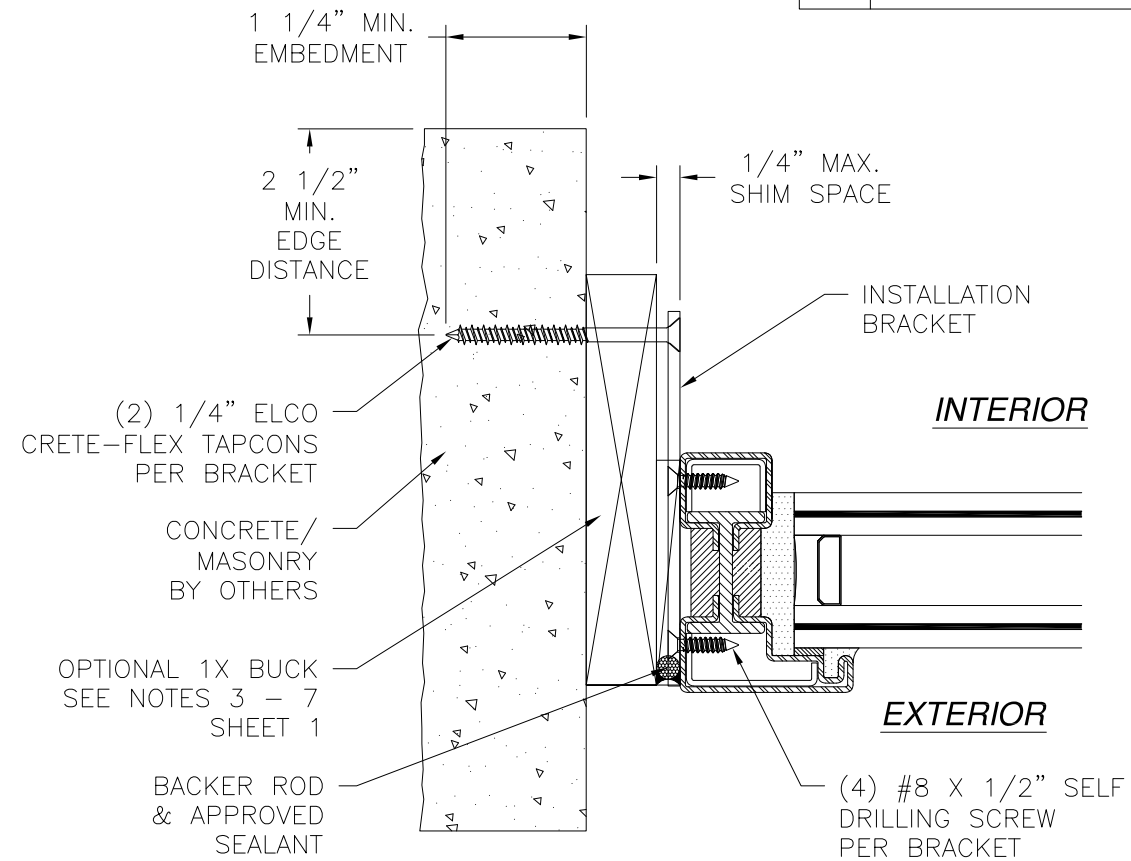
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED COMPONENTS	11/19/18	R.L.

REILLY WINDOWS & DOORS

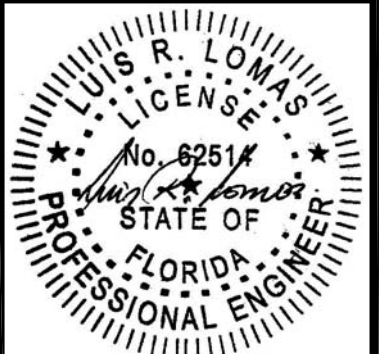
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD40 B FIXED WINDOW
THERMALLY BROKEN BRONZE FRAME, IMPACT, HVHZ
INSTALLATION DETAILS W/INSTALLATION BRACKET

DRAWN: R.L.	DWG NO. 08-03037	REV A
SCALE NTS	DATE 02/06/17	SHEET 9 OF 10

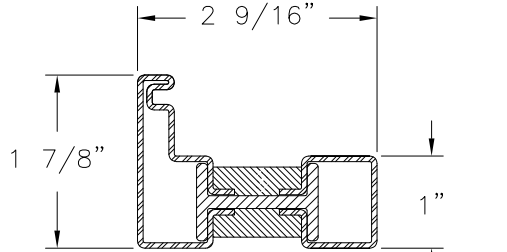
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

SIGNED: 11/20/2018

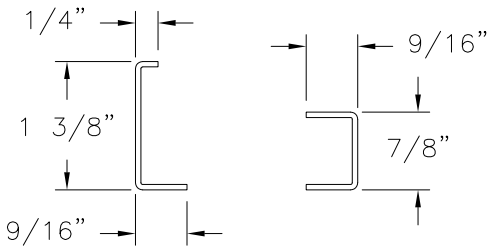


Luis R. Lomas P.E.
FL No.: 62514

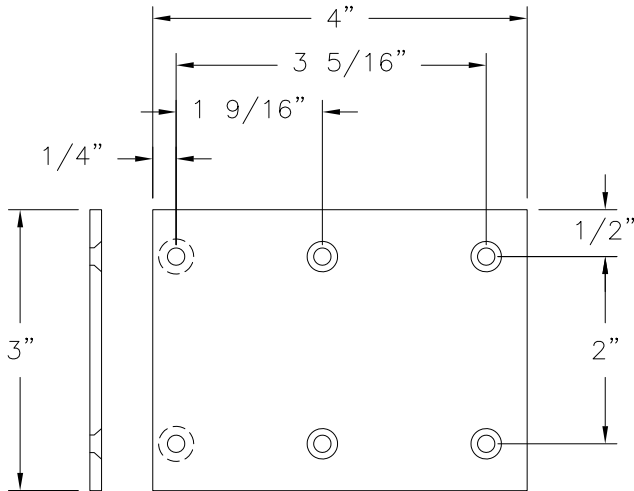
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED COMPONENTS	11/19/18	R.L.



THERMALLY BROKEN BRONZE
STILE/RAIL
BRONZE .06 " THICK (1201)



CORNER KEY 6" X 6"
P.1201 BY SECCO CORNER KEY



INSTALLATION BRACKET
ALUMINUM 6063-T5 .125 " THICK

SIGNED: 11/20/2018

REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933			
RWD40 B FIXED WINDOW THERMALLY BROKEN BRONZE FRAME, IMPACT, HVHZ COMPONENTS			
DRAWN: R.L.	DWG NO. 08-03037	REV A	
SCALE NTS	DATE 02/06/17	SHEET 10 OF 10	
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			