

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	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. 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.
4. 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.
5. 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.
6. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. 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".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: GRADE (A) MAHOGANY.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 6 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. 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.
14. 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.
15. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" ELCO CRETE-FLEX TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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 .125" THICK MINIMUM
18. GEOMETRIC SHAPES ARE ALSO APPROVED. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED INSCRIBED DIMENSIONS OF APPROVED RECTANGULAR ASSEMBLY SHOWN IN SHEET 2.
19. UNITS MAY BE INSTALLED VERTICALLY OR HORIZONTALLY.

SIGNED: 07/28/2026

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REILLY WINDOWS & DOORS
901 BURMAN BLVD
CALVERTON, NY 11933

WOOD DOUBLE HUNG WINDOW - IMPACT
48" X 96"
NOTES

DRAWN:
TJH

DWG NO.
08-02835E

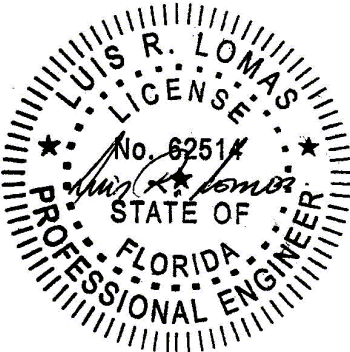
REV
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SCALE NTS

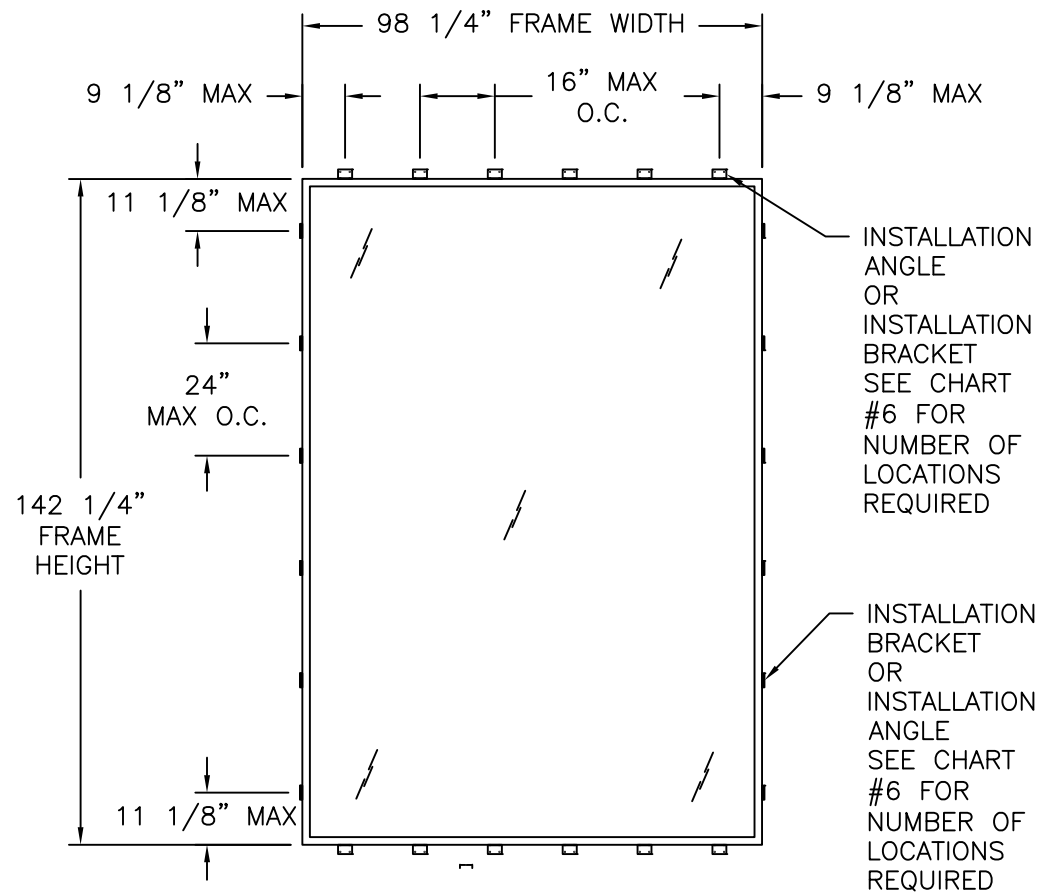
DATE 02/27/09

SHEET 1 OF 7

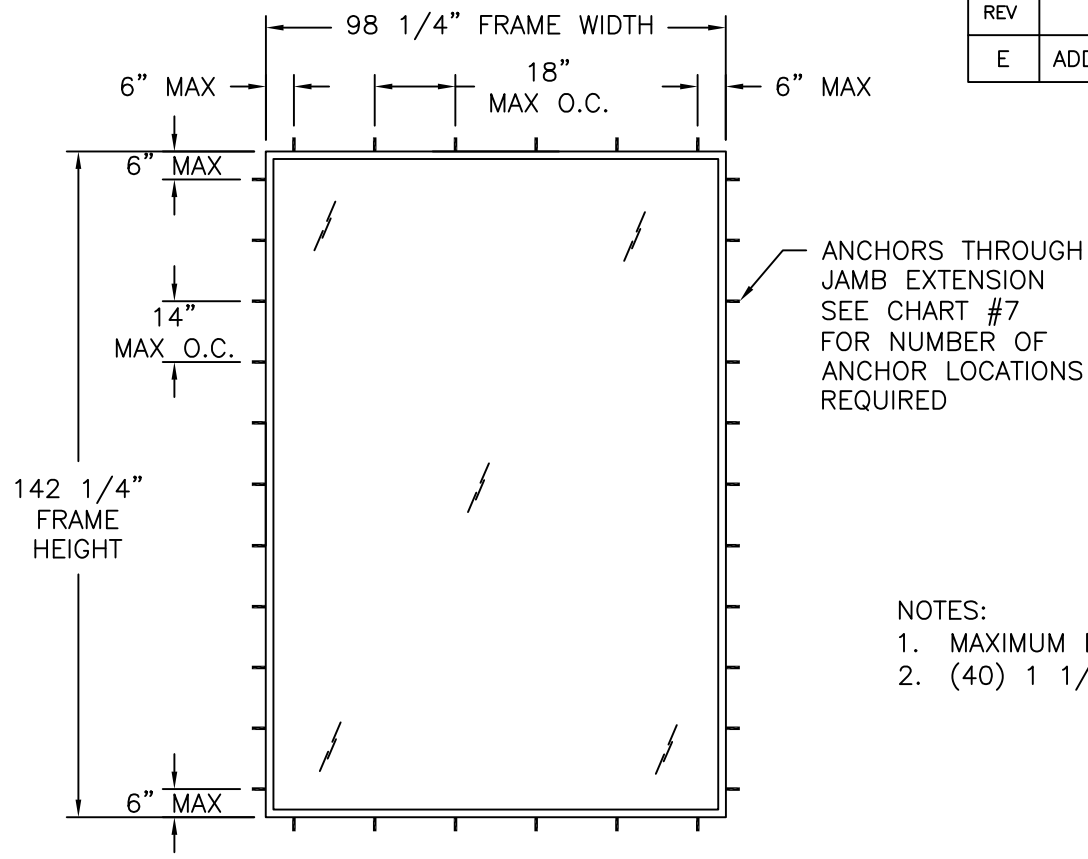
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Luis R. Lomas P.E.
FL No.: 62514



RWD35 FIXED IMPACT WINDOW
EXTERIOR VIEW
BRACKET & ANGLE INSTALLATION



RWD35 FIXED IMPACT WINDOW
EXTERIOR VIEW
ANCHORS THROUGH EXTENSION JAMB

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.

- NOTES:
1. MAXIMUM D.L.O.: 94 7/8" X 138 7/8"
 2. (40) 1 1/4" 18 GAUGE STAINLESS STEEL BRAD

WITH GLAZING A

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

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
REFER TO CHART #1 FOR SMALLER UNITS RATINGS

WITH GLAZING B

DESIGN PRESSURE RATING	IMPACT RATING
±30.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
REFER TO CHART #2 FOR SMALLER UNITS RATINGS

WITH GLAZING C

DESIGN PRESSURE RATING	IMPACT RATING
±30.8PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
REFER TO CHART #3 FOR SMALLER UNITS RATINGS

WITH GLAZING D

DESIGN PRESSURE RATING	IMPACT RATING
±34.4PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
REFER TO CHART #4 FOR SMALLER UNITS RATINGS

WITH GLAZING E

DESIGN PRESSURE RATING	IMPACT RATING
±28.2PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
REFER TO CHART #5 FOR SMALLER UNITS RATINGS

98 1/4" X 142 1/4" UNIT SHOWN. OTHER SIZES APPROVED AS LONG
AS FRAME AREA DOES NOT EXCEED 97.05 FT²

SIGNED: 07/28/2026

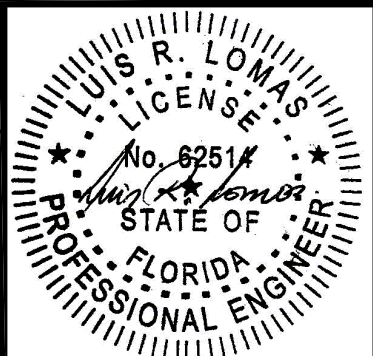
REILLY WINDOWS & DOORS

901 BURMAN BLVD
CALVERTON, NY 11933

WOOD DOUBLE HUNG WINDOW - IMPACT
48" X 96"
ELEVATIONS

DRAWN: TJH	DWG NO. 08-02835E	REV E
SCALE NTS	DATE 02/27/09	SHEET 2 OF 7

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Chart #1 Rating of units with glass A (psf)															
Frame Height (in)	Frame width (in)														
	66.00	72.00	78.00	84.00	90.00	96.00	98.25	102.00	108.00	114.00	120.00	126.00	132.00	138.00	142.25
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
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
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
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	72.3	70.2
90.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	73.9	70.6	67.5	65.5
96.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	72.8	69.3	66.2	63.3	61.4
102.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	71.9	68.1	64.7	61.6	-	-	-
108.00	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	71.9	68.1	64.7	61.6	-	-	-
114.00	75.0	75.0	75.0	75.0	75.0	75.0	74.9	72.1	68.1	64.5	61.3	-	-	-	-
120.00	75.0	75.0	75.0	75.0	75.0	72.8	71.1	68.5	64.7	61.3	-	-	-	-	-
126.00	75.0	75.0	75.0	75.0	73.9	69.3	67.7	65.2	61.6	-	-	-	-	-	-
132.00	75.0	75.0	75.0	75.0	70.6	66.2	64.7	62.3	-	-	-	-	-	-	-
138.00	75.0	75.0	75.0	72.3	67.5	63.3	61.8	-	-	-	-	-	-	-	-
142.25	75.0	75.0	75.0	70.2	65.5	61.4	60.0	-	-	-	-	-	-	-	-

LARGE MISSILE IMPACT UP TO WIND ZONE 4 AND HVHZ
DESIGN PRESSURES ARE POSITIVE AND NEGATIVE

Chart #2 Rating of units with glass B (psf)															
Frame Height (in)	Frame width (in)														
	66.00	72.00	78.00	84.00	90.00	96.00	98.25	102.00	108.00	114.00	120.00	126.00	132.00	138.00	142.25
66.00	51.0	46.7	43.1	40.0	37.4	35.0	34.2	33.0	31.1	29.5	28.0	26.7	25.5	24.4	23.6
72.00	46.7	42.8	39.5	36.7	34.3	32.1	31.4	30.2	28.6	27.0	25.7	24.5	23.4	22.3	21.7
78.00	43.1	39.5	36.5	33.9	31.6	29.6	29.0	27.9	26.4	25.0	23.7	22.6	21.6	20.6	20.0
84.00	40.0	36.7	33.9	31.5	29.4	27.5	26.9	25.9	24.5	23.2	22.0	21.0	20.0	19.2	18.6
90.00	37.4	34.3	31.6	29.4	27.4	25.7	25.1	24.2	22.8	21.6	20.6	19.6	18.7	17.9	17.3
96.00	35.0	32.1	29.6	27.5	25.7	24.1	23.5	22.7	21.4	20.3	19.3	18.4	17.5	16.8	16.3
102.00	33.0	30.2	27.9	25.9	24.2	22.7	22.2	21.3	20.2	19.1	18.1	17.3	16.5	-	-
108.00	31.1	28.6	26.4	24.5	22.8	21.4	20.9	20.2	19.0	18.0	17.1	16.3	-	-	-
114.00	29.5	27.0	25.0	23.2	21.6	20.3	19.8	19.1	18.0	17.1	16.2	-	-	-	-
120.00	28.0	25.7	23.7	22.0	20.6	19.3	18.8	18.1	17.1	16.2	-	-	-	-	-
126.00	26.7	24.5	22.6	21.0	19.6	18.4	17.9	17.3	16.3	-	-	-	-	-	-
132.00	25.5	23.4	21.6	20.0	18.7	17.5	17.1	16.5	-	-	-	-	-	-	-
138.00	24.4	22.3	20.6	19.2	17.9	16.8	16.4	-	-	-	-	-	-	-	-
142.25	23.6	21.7	20.0	18.6	17.3	16.3	15.9	-	-	-	-	-	-	-	-

LARGE MISSILE IMPACT UP TO WIND ZONE 4 AND HVHZ
DESIGN PRESSURES ARE POSITIVE AND NEGATIVE

Chart #3 Rating of units with glass C (psf)															
Frame Height (in)	Frame width (in)														
	66.00	72.00	78.00	84.00	90.00	96.00	98.25	102.00	108.00	114.00	120.00	126.00	132.00	138.00	142.25
66.00	54.7	50.2	46.3	43.0	40.1	37.6	36.8	35.4	33.4	31.7	30.1	28.7	27.4	26.2	25.4
72.00	50.2	46.0	42.4	39.4	36.8	34.5	33.7	32.5	30.6	29.0	27.6	26.3	25.1	24.0	23.3
78.00	46.3	42.4	39.2	36.4	33.9	31.8	31.1	30.0	28.3	26.8	25.5	24.2	23.1	22.1	21.5
84.00	43.0	39.4	36.4	33.8	31.5	29.6	28.9	27.8	26.3	24.9	23.6	22.5	21.5	20.6	19.9
90.00	40.1	36.8	33.9	31.5	29.4	27.6	27.0	26.0	24.5	23.2	22.1	21.0	20.1	19.2	18.6
96.00	37.6	34.5	31.8	29.6	27.6	25.9	25.3	24.3	23.0	21.8	20.7	19.7	18.8	18.0	17.5
102.00	35.4	32.5	30.0	27.8	26.0	24.3	23.8	22.9	21.6	20.5	19.5	18.5	17.7	-	-
108.00	33.4	30.6	28.3	26.3	24.5	23.0	22.5	21.6	20.4	19.4	18.4	17.5	-	-	-
114.00	31.7	29.0	26.8	24.9	23.2	21.8	21.3	20.5	19.4	18.3	17.4	-	-	-	-
120.00	30.1	27.6	25.5	23.6	22.1	20.7	20.2	19.5	18.4	17.4	-	-	-	-	-
126.00	28.7	26.3	24.2	22.5	21.0	19.7	19.3	18.5	17.5	-	-	-	-	-	-
132.00	27.4	25.1	23.1	21.5	20.1	18.8	18.4	17.7	-	-	-	-	-	-	-
138.00	26.2	24.0	22.1	20.6	19.2	18.0	17.6	-	-	-	-	-	-	-	-
142.25	25.4	23.3	21.5	19.9	18.6	17.5	17.1	-	-	-	-	-	-	-	-

LARGE MISSILE IMPACT UP TO WIND ZONE 4 AND HVHZ
DESIGN PRESSURES ARE POSITIVE AND NEGATIVE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.

Chart #4 Rating of units with glass D (psf)																	
Frame Height (in)	Frame width (in)																
	66.00	72.00	78.00	84.00	90.00	96.00	98.25	102.00	108.00	114.00	120.00	126.00	132.00	138.00	142.25		
66.00	70.0	70.0	70.0	65.5	61.1	57.3	56.0	53.9	50.9	48.2	45.8	43.6	41.7	39.9	38.7		
72.00	70.0	70.0	64.6	60.0	56.0	52.5	51.3	49.4	46.7	44.2	42.0	40.0	38.2	36.5	35.4		
78.00	70.0	64.6	59.7	55.4	51.7	48.5	47.4	45.6	43.1	40.8	38.8	36.9	35.3	33.7	32.7		
84.00	65.5	60.0	55.4	51.4	48.0	45.0	44.0	42.4	40.0	37.9	36.0	34.3	32.7	31.3	30.4		
90.00	61.1	56.0	51.7	48.0	44.8	42.0	41.0	39.5	37.3	35.4	33.6	32.0	30.6	29.2	28.4		
96.00	57.3	52.5	48.5	45.0	42.0	39.4	38.5	37.1	35.0	33.2	31.5	30.0	28.6	27.4	26.6		
102.00	53.9	49.4	45.6	42.4	39.5	37.1	36.2	34.9	32.9	31.2	29.7	28.2	27.0	-	-		
108.00	50.9	46.7	43.1	40.0	37.3	35.0	34.2	32.9	31.1	29.5	28.0	26.7	-	-	-		
114.00	48.2	44.2	40.8	37.9	35.4	33.2	32.4	31.2	29.5	27.9	26.5	-	-	-	-		
120.00	45.8	42.0	38.8	36.0	33.6	31.5	30.8	29.7	28.0	26.5	-	-	-	-	-		
126.00	43.6	40.0	36.9	34.3	32.0	30.0	29.3	28.2	26.7	-	-	-	-	-	-		
132.00	41.7	38.2	35.3	32.7	30.6	28.6	28.0	27.0	-	-	-	-	-	-	-		
138.00	39.9	36.5	33.7	31.3	29.2	27.4	26.8	-	-	-	-	-	-	-	-		
142.25	38.7	35.4	32.7	30.4	28.4	26.6	26.0	-	-	-	-	-	-	-	-		

LARGE MISSILE IMPACT UP TO WIND ZONE 4 AND HVHZ
DESIGN PRESSURES ARE POSITIVE AND NEGATIVE

Chart #5 Rating of units with glass E (psf)																
Frame Height (in)	Frame width (in)															
	66.00	72.00	78.00	84.00	90.00	96.00	98.25	102.00	108.00	114.00	120.00	126.00	132.00	138.00	142.25	
66.00	60.0	60.0	57.5	53.4	49.8	46.7	45.6	44.0	41.5	39.3	37.4	35.6	34.0	32.5	31.5	
72.00	60.0	57.1	52.7	48.9	45.7	42.8	41.8	40.3	38.1	36.1	34.3	32.6	31.1	29.8	28.9	
78.00	57.5	52.7	48.6	45.2	42.2	39.5	38.6	37.2	35.1	33.3	31.6	30.1	28.7	27.5	26.7	
84.00	53.4	48.9	45.2	41.9	39.1	36.7	35.9	34.5	32.6	30.9	29.4	28.0	26.7	25.5	24.8	
90.00	49.8	45.7	42.2	39.1	36.5	34.3	33.5	32.2	30.4	28.8	27.4	26.1	24.9	23.8	23.1	
96.00	46.7	42.8	39.5	36.7	34.3	32.1	31.4	30.2	28.5	27.0	25.7	24.5	23.4	22.3	21.7	
102.00	44.0	40.3	37.2	34.5	32.2	30.2	29.5	28.4	26.9	25.5	24.2	23.0	22.0	-	-	
108.00	41.5	38.1	35.1	32.6	30.4	28.5	27.9	26.9	25.4	24.0	22.8	21.7	-	-	-	
114.00	39.3	36.1	33.3	30.9	28.8	27.0	26.4	25.5	24.0	22.8	21.6	-	-	-	-	
120.00	37.4	34.3	31.6	29.4	27.4	25.7	25.1	24.2	22.8	21.6	-	-	-	-	-	
126.00	35.6	32.6	30.1	28.0	26.1	24.5	23.9	23.0	21.7	-	-	-	-	-	-	
132.00	34.0	31.1	28.7	26.7	24.9	23.4	22.8	22.0	-	-	-	-	-	-	-	
138.00	32.5	29.8	27.5	25.5	23.8	22.3	21.8	-	-	-	-	-	-	-	-	
142.25	31.5	28.9	26.7	24.8	23.1	21.7	21.2	-	-	-	-	-	-	-	-	

CHART #8

Number of anchor locations required for units anchored through jamb extension

Frame Height (in)	Frame width (in)																													
	66.00		72.00		78.00		84.00		90.00		96.00		98.25		102.00		108.00		114.00		120.00		126.00		132.00		138.00		142.25	
	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	H&S	Jamb	H&S	Jamb
66.00	4	5	5	5	5	5	5	5	6	5	6	5	7	5	7	5	8	5	8	5	9	5	9	5	10	5	10	5	11	5
72.00	4	6	5	6	5	6	5	6	6	6	7	6	7	6	7	6	8	6	9	6	9	6	10	6	10	6	11	6	11	6
78.00	4	6	5	6	5	6	6	6	6	6	7	6	7	6	8	6	8	6	9	6	10	6	10	6	11	6	12	6	12	6
84.00	4	7	5	7	5	7	6	7	6	7	7	7	7	7	8	7	8	7	9	7	10	7	11	7	11	7	12	7	12	7
90.00	4	7	5	7	5	7	6	7	6	7	7	7	7	7	8	7	9	7	9	7	10	7	11	7	11	7	11	7	11	7
96.00	4	7	5	7	5	7	6	7	6	7	7	7	7	7	8	7	9	7	10	7	10	7	10	7	11	7	11	7	11	7
102.00	4	8	5	8	5	8	6	8	6	8	7	8	7	8	8	8	9	8	9	8	10	8	10	8	10	8	-	-	-	-
108.00	4	8	5	8	5	8	6	8	6	9	7	9	7	9	8	9	8	8	9	8	9	8	10	8	-	-	-	-	-	-
114.00	4	9	5	9	5	9	6	9	6	9	7	10	7	10	8	9	8	9	8	9	9	9	-	-	-	-	-	-	-	-
120.00	4	9	5	9	5	10	6	10	6	10	7	10	7	10	7	10	8	9	8	9	-	-	-	-	-	-	-	-	-	-
126.00	4	10	5	10	5	10	6	11	6	11	7	10	7	10	7	10	7	10	-	-	-	-	-	-	-	-	-	-	-	-
132.00	4	10	5	10	5	11	6	11	6	11	6	11	6	11	7	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138.00	4	10	5	11	5	12	5	12	6	11	6	11	6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
142.25	4	11	5	11	5	12	5	12	6	11	6	11	6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.

CHART #7

Number of anchor locations required for units anchored using clip/bracket

Frame Height (in)	Frame width (in)																													
	66.00		72.00		78.00		84.00		90.00		96.00		98.25		102.00		108.00		114.00		120.00		126.00		132.00		138.00		142.25	
	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	H&S	Jamb	H&S	Jamb
66.00	4	3	5	3	5	3	6	3	6	3	6	3	6	3	7	3	7	3	7	3	8	3	8	3	9	3	9	3	9	3
72.00	4	4	5	4	5	4	6	4	6	4	6	4	6	4	7	4	7	4	7	4	8	4	8	4	9	4	9	4	9	4
78.00	4	4	5	4	5	4	6	4	6	4	6	4	6	4	7	4	7	4	7	4	8	4	8	4	9	4	9	4	9	4
84.00	4	4	5	4	5	4	6	4	6	4	6	4	6	4	7	4	7	4	7	4	8	4	8	4	9	4	9	4	9	4
90.00	4	4	5	4	5	4	6	4	6	4	6	4	6	4	7	4	7	4	7	4	8	4	8	4	9	4	9	4	9	4
96.00	4	5	5	5	5	5	6	5	6	5	6	5	6	5	7	5	7	5	7	5	8	5	8	5	9	5	9	5	9	5
102.00	4	5	5	5	5	5	6	5	6	5	6	5	6	5	7	5	7	5	7	5	8	5	8	5	9	5	-	-	-	-
108.00	4	5	5	5	5	5	6	5	6	5	6	5	6	5	7	5	7	5	7	5	8	5	8	5	-	-	-	-	-	-
114.00	4	5	5	5	5	5	6	5	6	6	6	6	6	6	7	6	7	5	7	5	8	5	-	-	-	-	-	-	-	-
120.00	4	6	5	6	5	6	6	6	6	6	6	6	6	6	7	6	7	6	7	6	-	-	-	-	-	-	-	-	-	-
126.00	4	6	5	6	5	6	6	6	6	6	6	6	6	6	7	6	7	6	-	-	-	-	-	-	-	-	-	-	-	-
132.00	4	6	5	6	5	6	6	7	6	6	6	6	6	6	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138.00	4	6	5	6	5	7	6	7	6	7	6	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
142.25	4	6	5	7	5	7	6	7	6	7	6	7	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Chart #6

Rating of units with glass F (psf)

Frame Height (in)	Frame width (in)														
	66.00	72.00	78.00	84.00	90.00	96.00	98.25	102.00	108.00	114.00	120.00	126.00	132.00	138.00	142.25
66.00	70.0	70.0	65.5	60.8	56.7	53.2	52.0	50.1	47.3	44.8	42.5	40.5	38.7	37.0	35.9
72.00	70.0	65.0	60.0	55.7	52.0	48.8	47.6	45.9	43.3	41.1	39.0	37.1	35.5	33.9	32.9
78.00	65.5	60.0	55.4	51.4	48.0	45.0	44.0	42.4	40.0	37.9	36.0	34.3	32.7	31.3	30.4
84.00	60.8	55.7	51.4	47.8	44.6	41.8	40.8	39.3	37.1	35.2	33.4	31.8	30.4	29.1	28.2
90.00	56.7	52.0	48.0	44.6	41.6	39.0	38.1	36.7	34.7	32.8	31.2	29.7	28.4	27.1	26.3
96.00	53.2	48.8	45.0	41.8	39.0	36.6	35.7	34.4	32.5	30.8	29.3	27.9	26.6	25.4	24.7
102.00	50.1	45.9	42.4	39.3	36.7	34.4	33.6	32.4	30.6	29.0	27.5	26.2	25.0	-	-
108.00	47.3	43.3	40.0	37.1	34.7	32.5	31.8	30.6	28.9	27.4	26.0	24.8	-	-	-
114.00	44.8	41.1	37.9	35.2	32.8	30.8	30.1	29.0	27.4	25.9	24.6	-	-	-	-
120.00	42.5	39.0	36.0	33.4	31.2	29.3	28.6	27.5	26.0	24.6	-	-	-	-	-
126.00	40.5	37.1	34.3	31.8	29.7	27.9	27.2	26.2	24.8	-	-	-	-	-	-
132.00	38.7	35.5	32.7	30.4	28.4	26.6	26.0	25.0	-	-	-	-	-	-	-
138.00	37.0	33.9	31.3	29.1	27.1	25.4	24.9	-	-	-	-	-	-	-	-
142.25	35.9	32.9	30.4	28.2	26.3	24.7	24.1	-	-	-	-	-	-	-	-

LARGE MISSILE IMPACT UP TO WIND ZONE 3
DESIGN PRESSURES ARE POSITIVE AND NEGATIVE

REILLY WINDOWS & DOORS
901 BURMAN BLVD
CALVERTON, NY 11933

WOOD DOUBLE HUNG WINDOW – IMPACT
48” X 96”
RATING CHARTS

DRAWN:
TJH

DWG NO.
08-02835E

REV
E

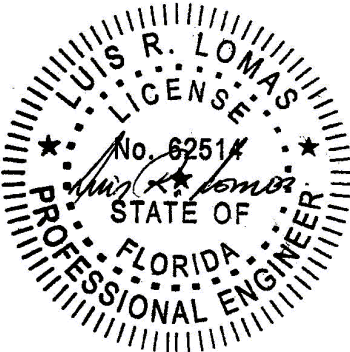
SCALE NTS

DATE 02/27/09

SHEET 4 OF 7

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

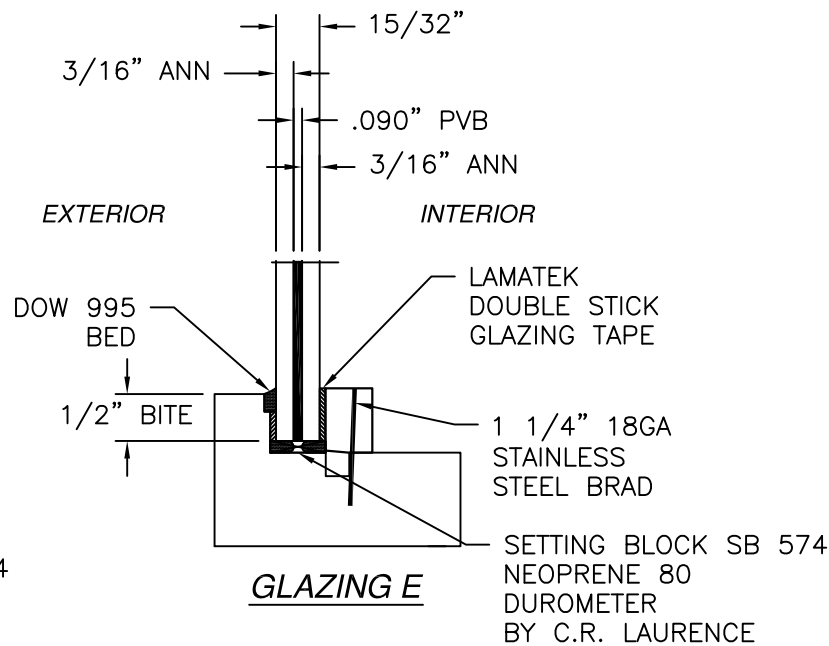
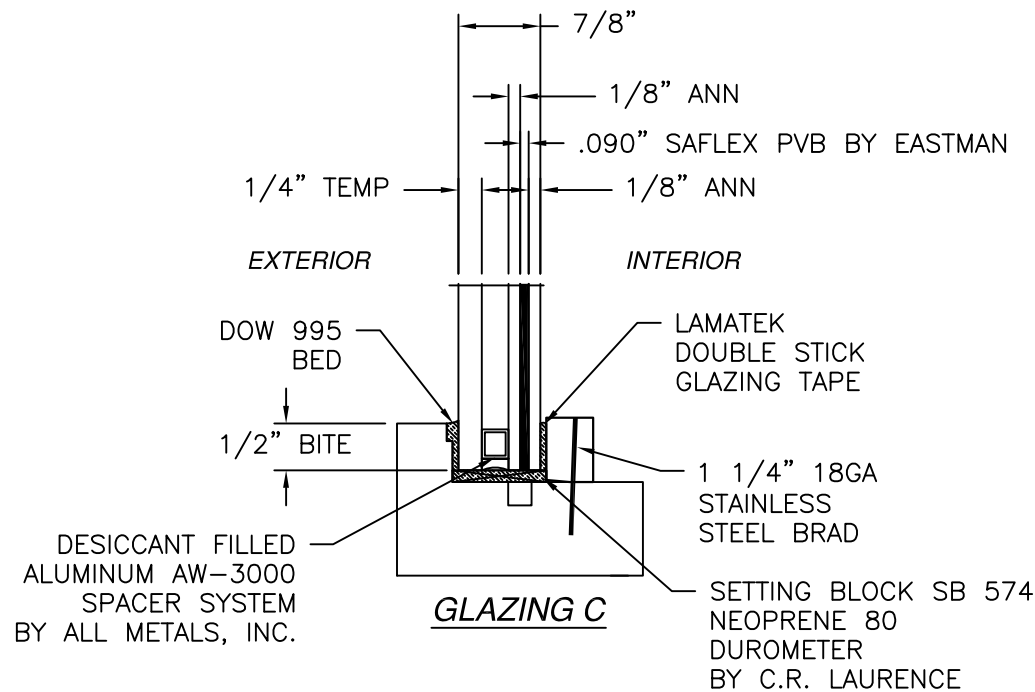
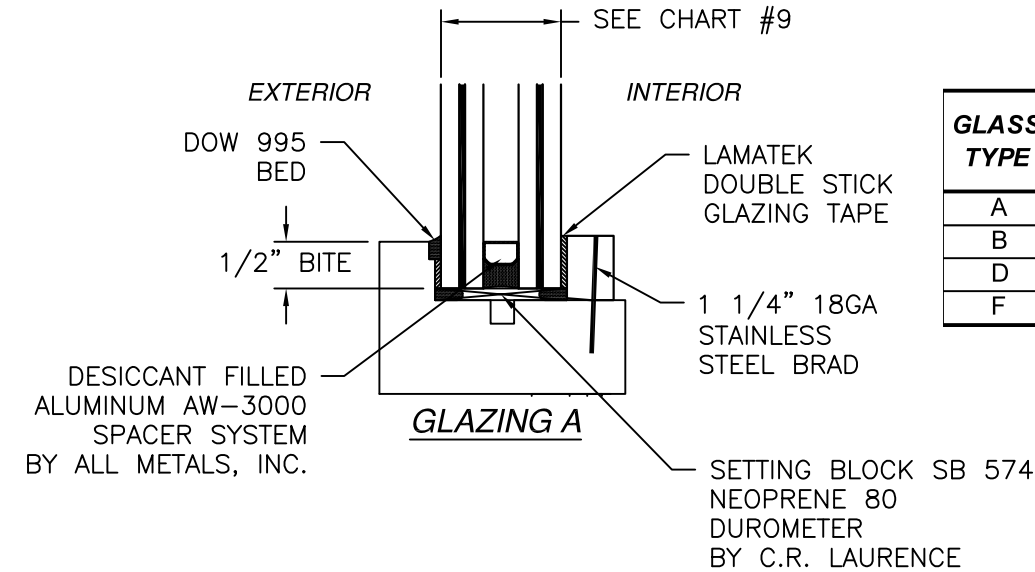
SIGNED: 07/28/2026



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

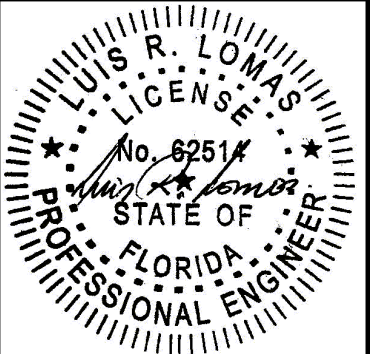
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.

GLASS CHART #9		
GLASS TYPE	OVERALL WIDTH (IN)	DESCRIPTION (FROM EXTERIOR TO INTERIOR)
A	1-5/16"	3/16" HS - .060" SG BY KURARAY - 3/16" HS - AIR - 3/16" HS - .060" SG BY KURARAY - 3/16" HS
B	1-1/4"	1/8" ANN - .060" SG BY KURARAY - 1/8" ANN - AIR - 1/8" ANN - .060" SG BY KURARAY - 1/8" ANN
D	1 1/2"	5/32" ANN - .060" PVB BY KURARAY - 5/32" ANN - AIR - 5/32" ANN - .060" PVB BY KURARAY - 5/32" ANN
F	1 1/2"	1/8" ANN - .030" PVB BY KURARAY - 1/8" ANN - AIR - 1/8" ANN - .090" PVB BY KURARAY - 1/8" ANN



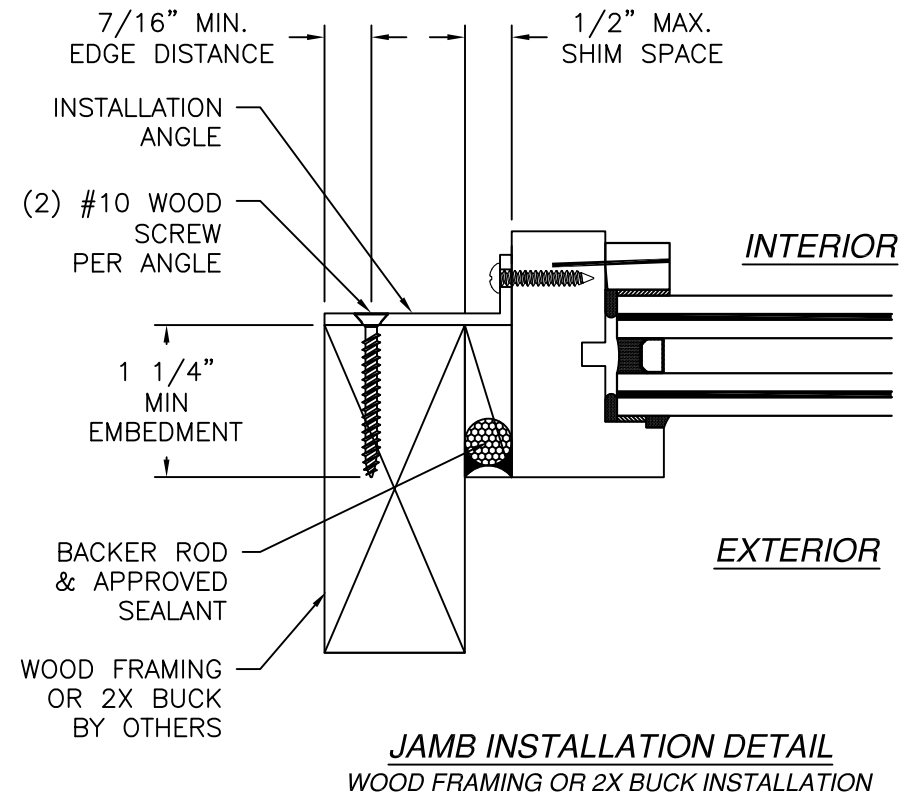
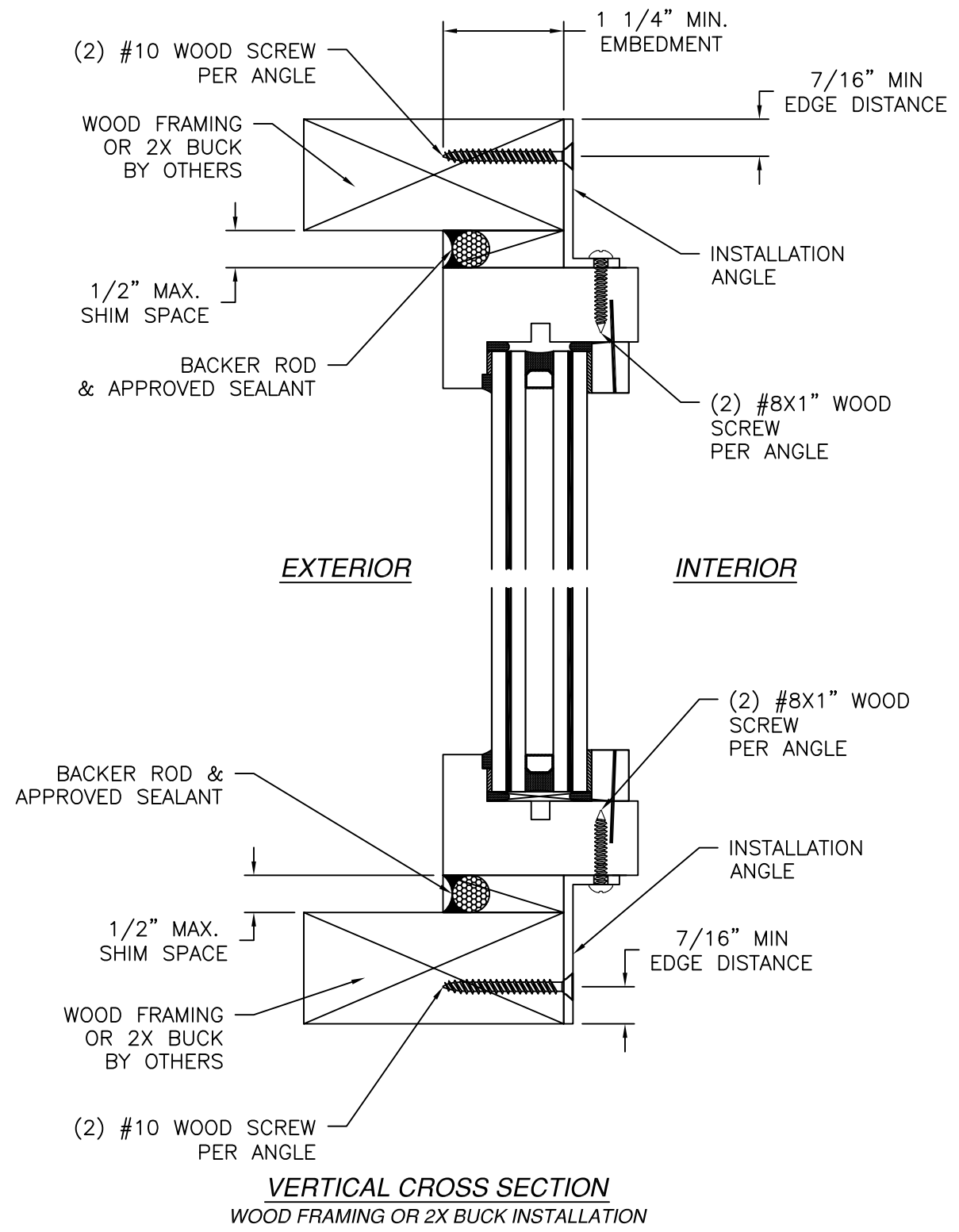
REILLY WINDOWS & DOORS 901 BURMAN BLVD CALVERTON, NY 11933		
WOOD DOUBLE HUNG WINDOW - IMPACT 48" X 96" GLAZING DETAILS		
DRAWN: TJH	DWG NO. 08-02835E	REV E
SCALE NTS	DATE 02/27/09	SHEET 6 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 07/28/2026



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	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

SIGNED: 07/28/2026

REILLY WINDOWS & DOORS
901 BURMAN BLVD
CALVERTON, NY 11933

WOOD DOUBLE HUNG WINDOW – IMPACT
48" X 96"
INSTALLATION DETAILS W/ ANGLE

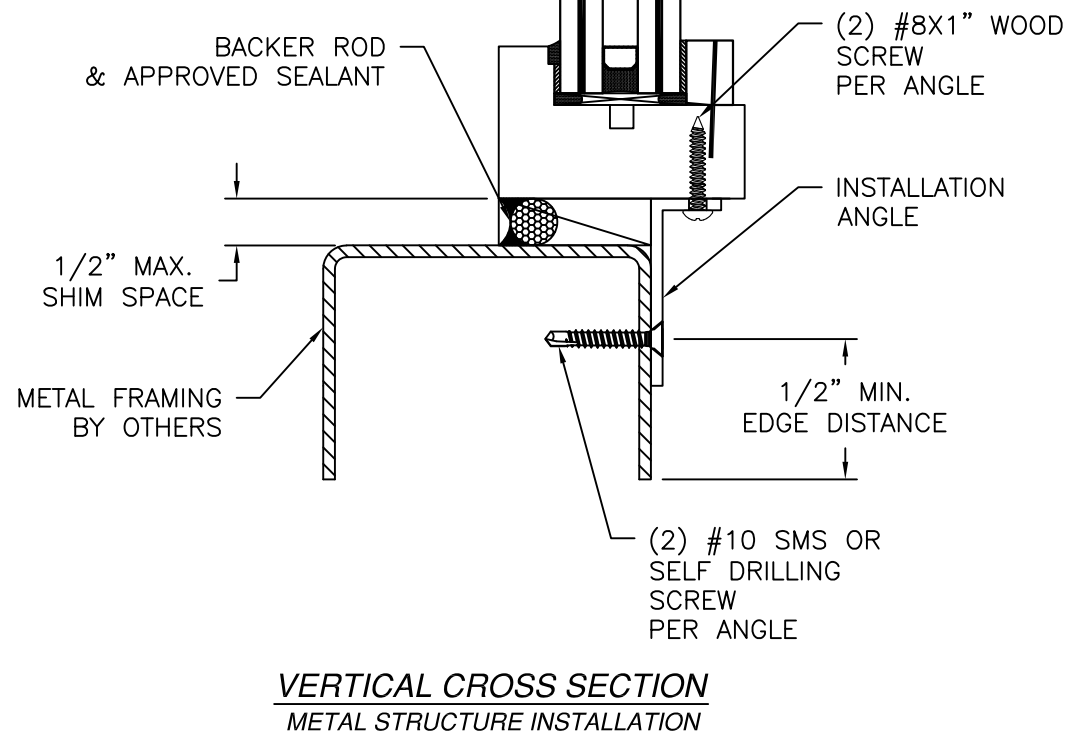
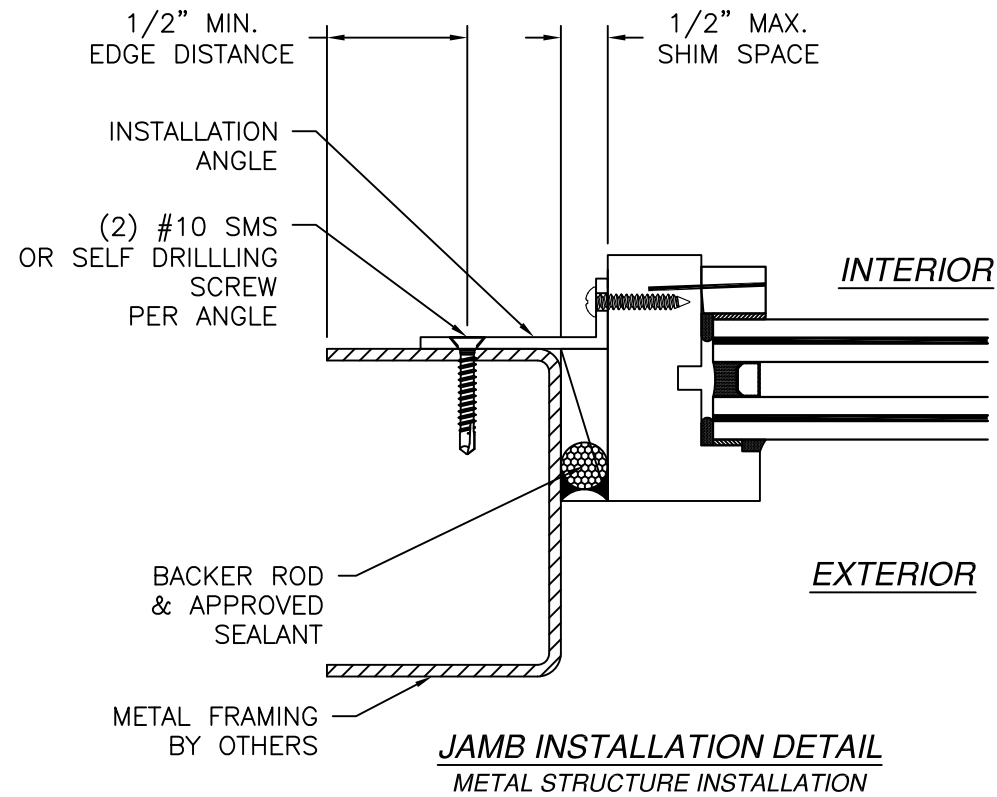
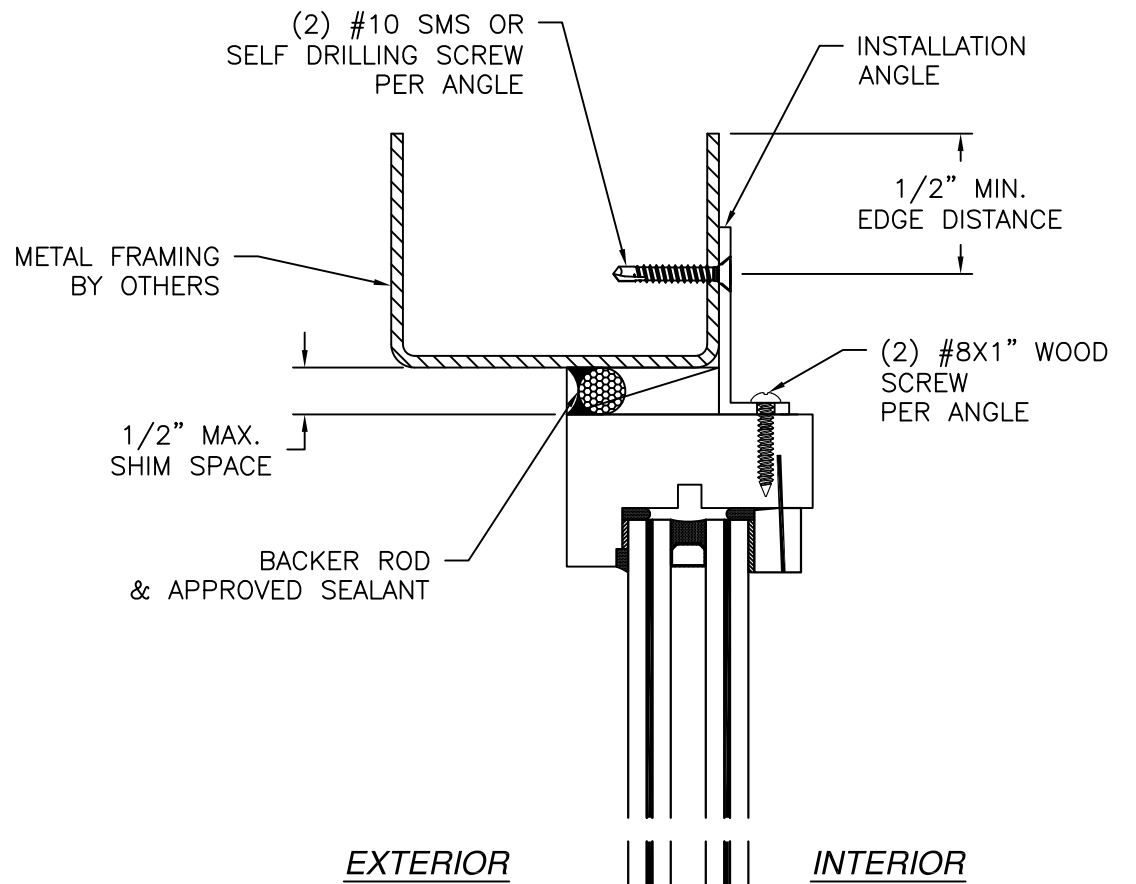
DRAWN: TJH	DWG NO. 08-02835E	REV E
SCALE NTS	DATE 02/27/09	SHEET 7 OF 7

L. ROBERTO LOMAS P.E.
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Luis R. Lomas
Professional Engineer
State of Florida
License No. 62514

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

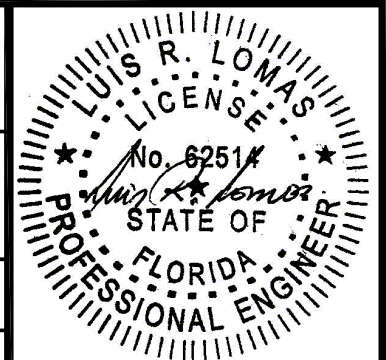
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.



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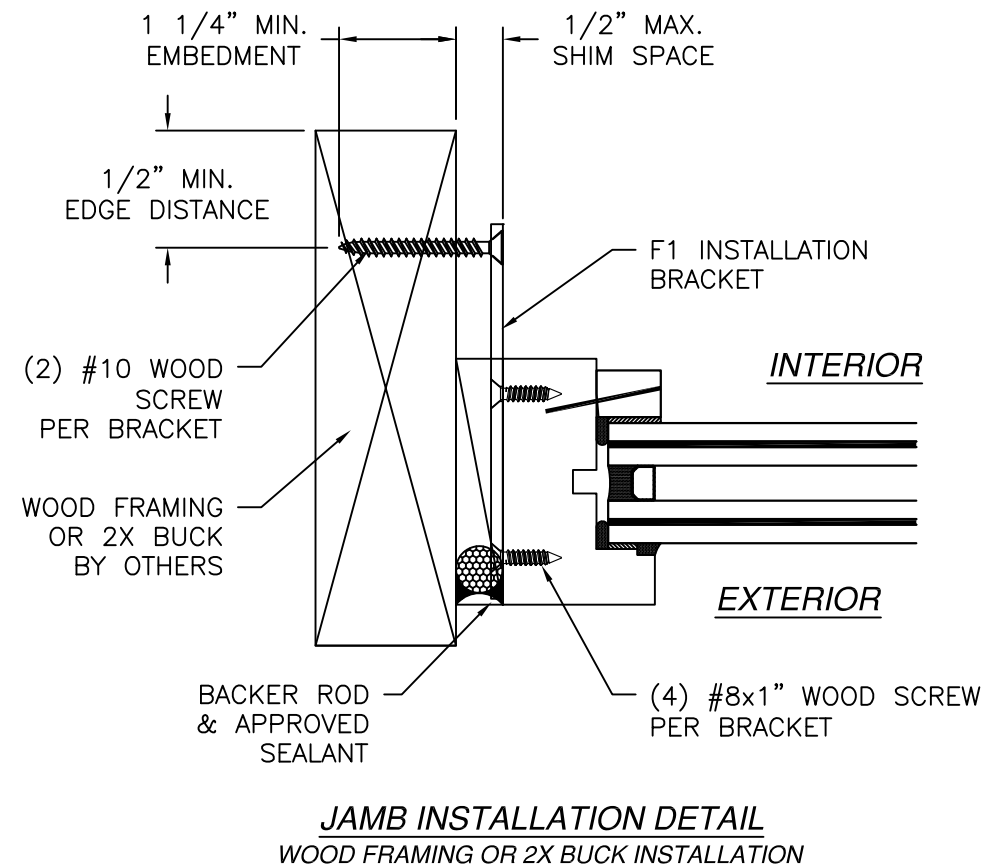
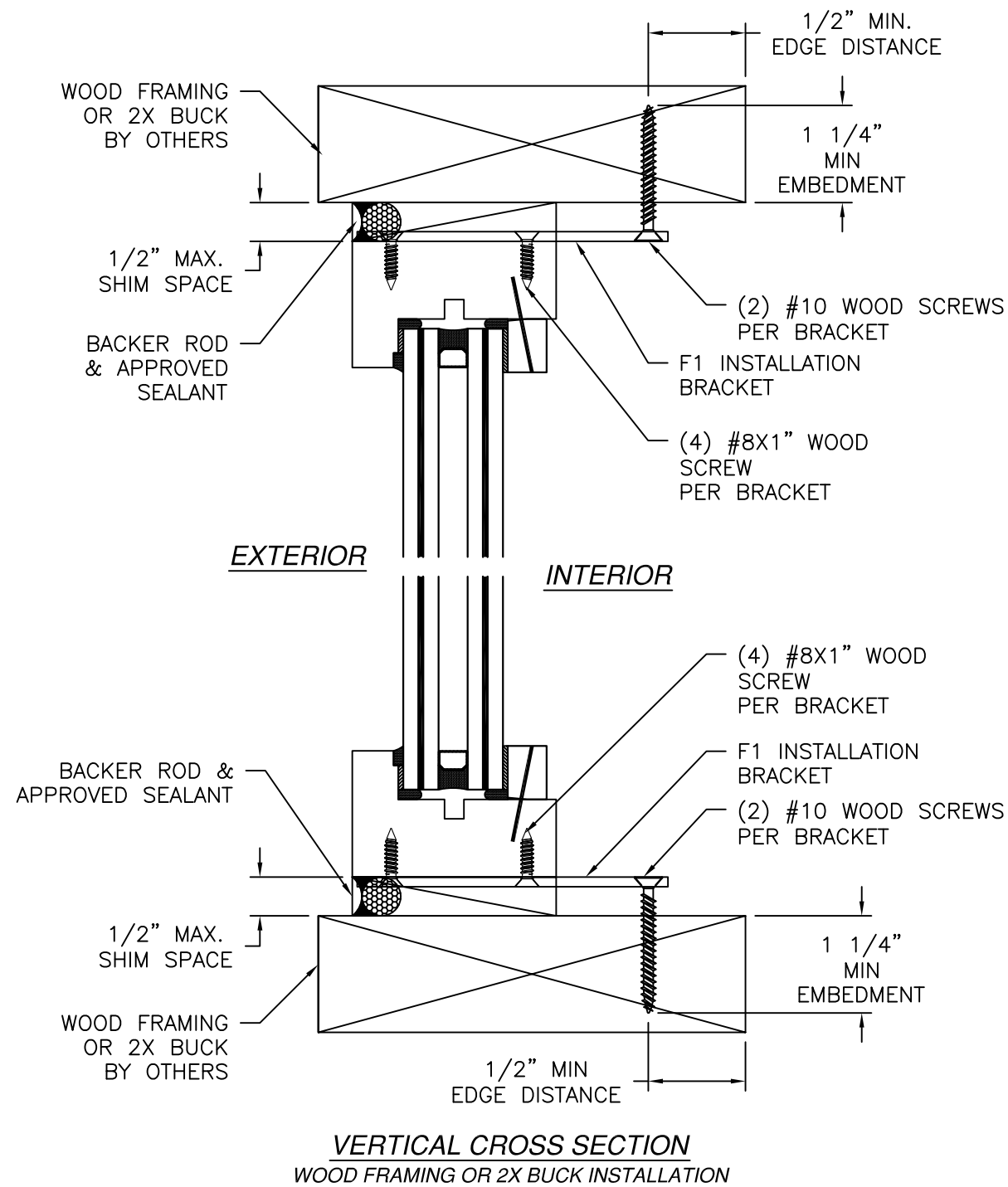
SIGNED: 07/28/2026

REILLY WINDOWS & DOORS 901 BURMAN BLVD CALVERTON, NY 11933		
WOOD DOUBLE HUNG WINDOW – IMPACT 48" X 96" INSTALLATION DETAILS W/ ANGLE		
DRAWN: TJH	DWG NO. 08-02835E	REV E
SCALE NTS	DATE 02/27/09	SHEET 8 OF 7
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

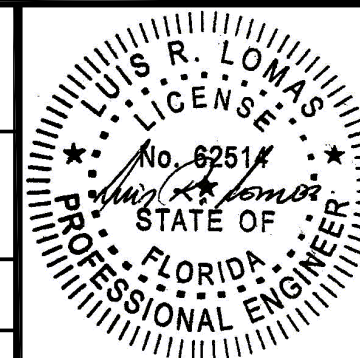
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.



- 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

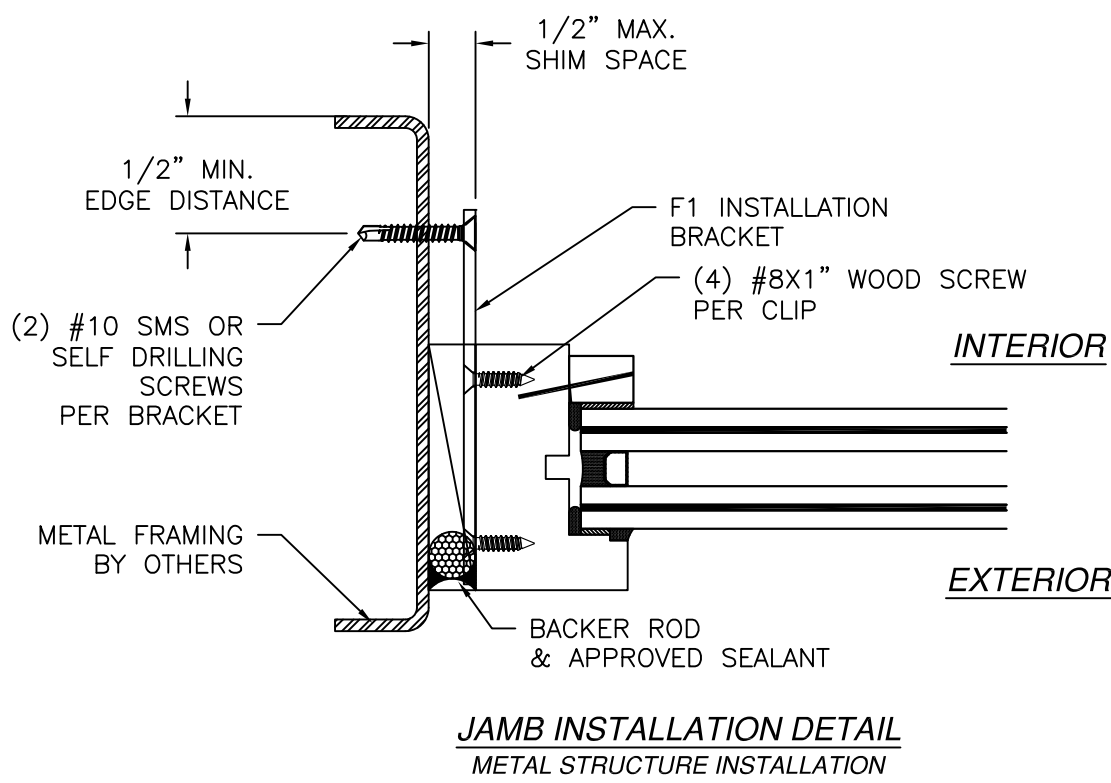
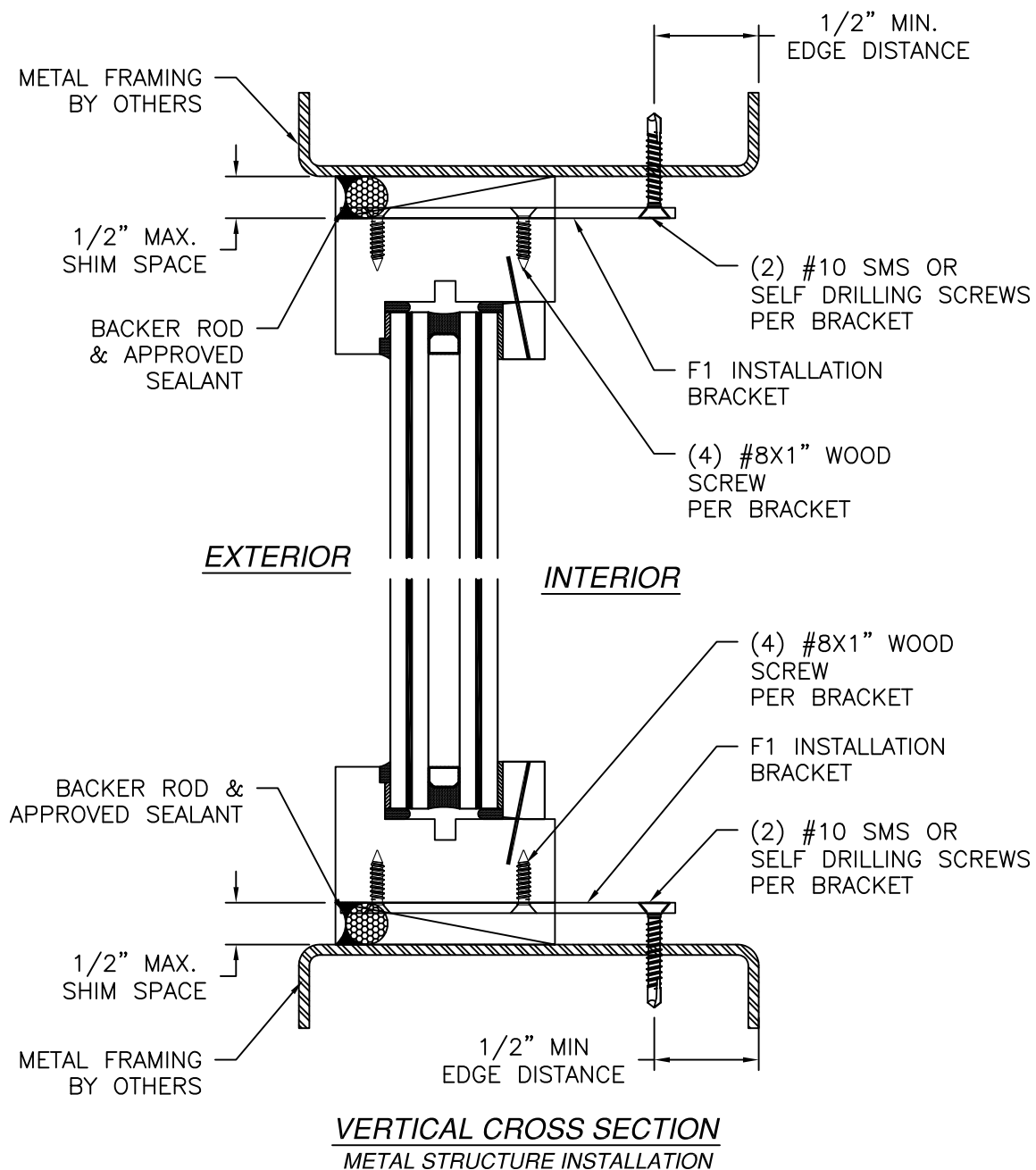
SIGNED: 07/28/2026

REILLY WINDOWS & DOORS 901 BURMAN BLVD CALVERTON, NY 11933		
WOOD DOUBLE HUNG WINDOW – IMPACT 48" X 96" INSTALLATION DETAILS F1 BRACKET		
DRAWN: TJH	DWG NO. 08-02835E	REV E
SCALE NTS	DATE 02/27/09	SHEET 9 OF 7
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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.



- NOTES:
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SIGNED: 07/28/2026

REILLY WINDOWS & DOORS
901 BURMAN BLVD
CALVERTON, NY 11933

WOOD DOUBLE HUNG WINDOW – IMPACT
48" X 96"
INSTALLATION DETAILS F1 BRACKET

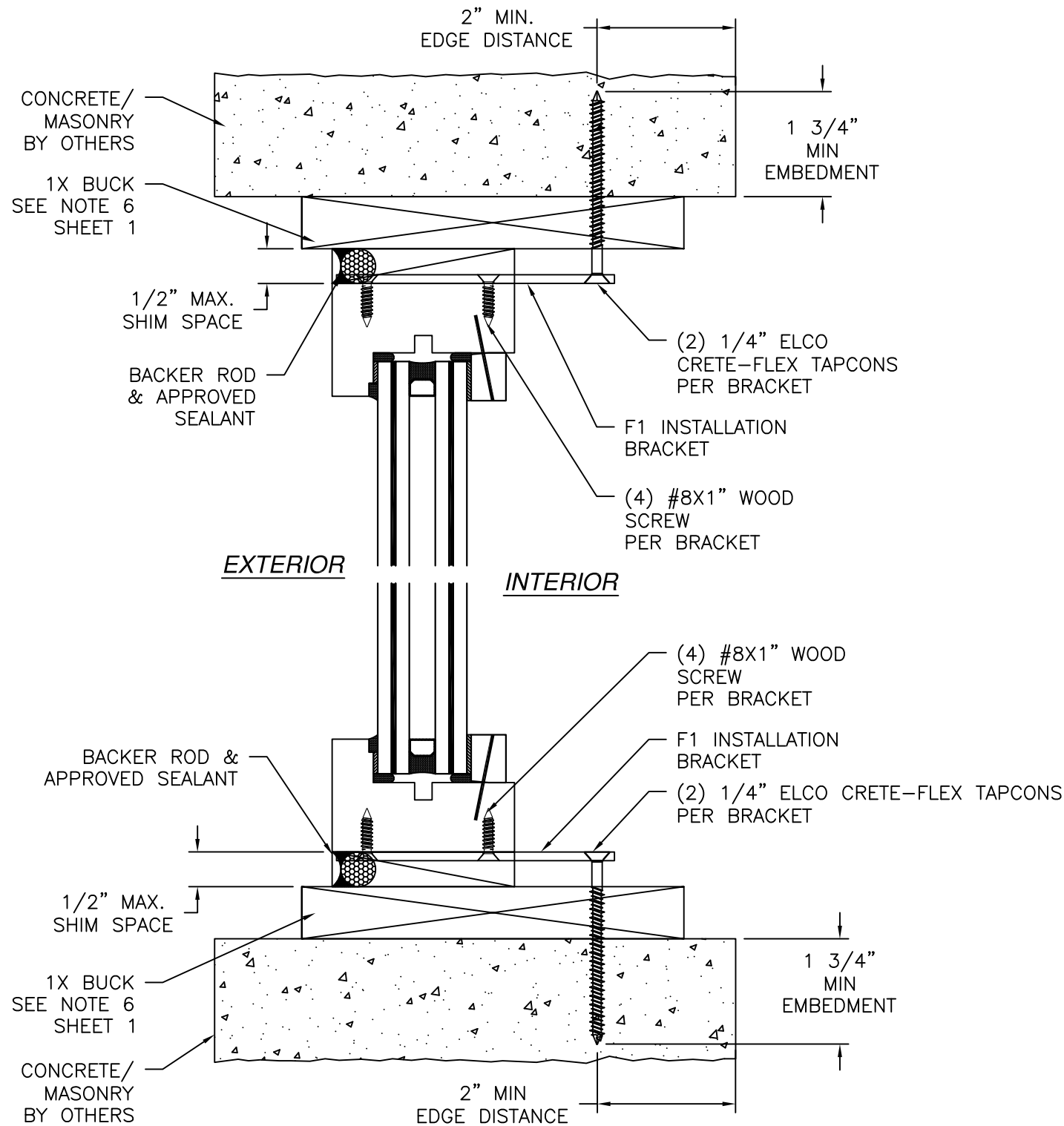
DRAWN: TJH
SCALE NTS
DATE 02/27/09
SHEET 10 OF 7

DWG NO. 08-02835E
REV E
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

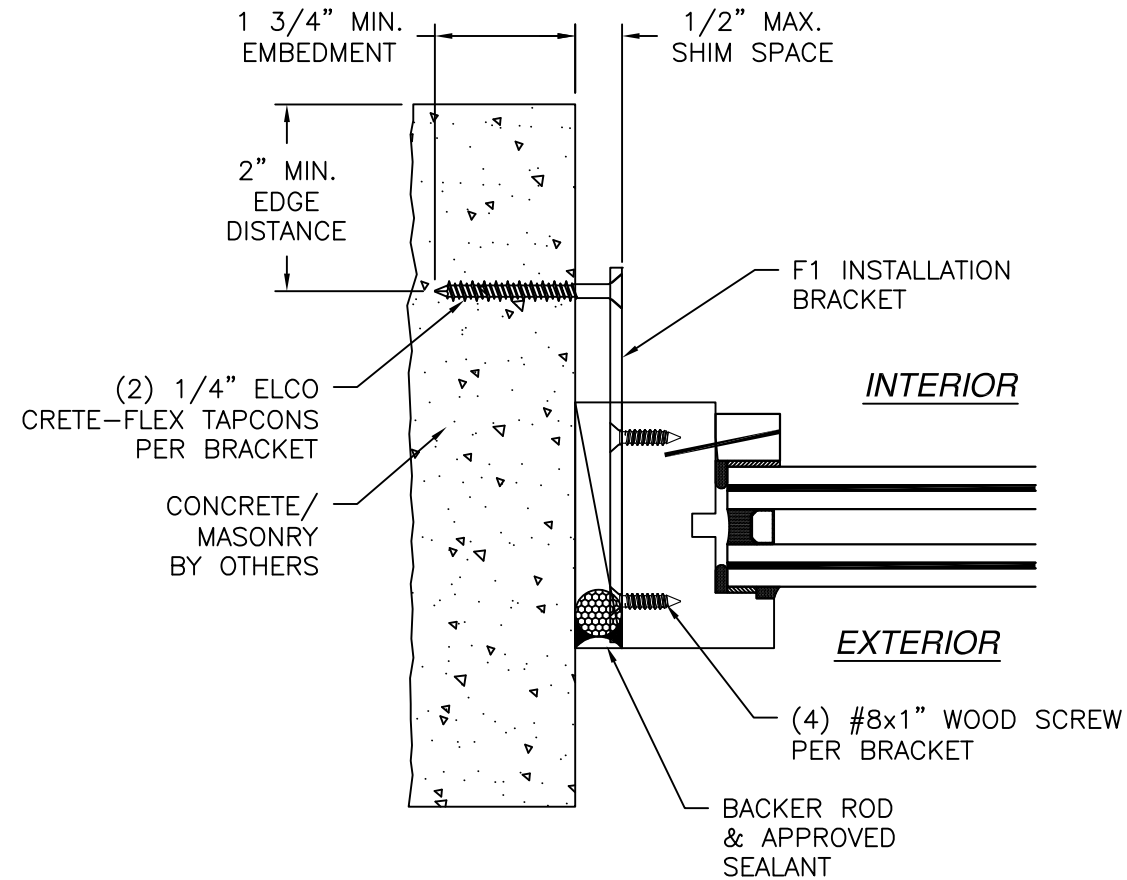
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.



VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL

- 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



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

REILLY WINDOWS & DOORS
901 BURMAN BLVD
CALVERTON, NY 11933

WOOD DOUBLE HUNG WINDOW – IMPACT
48" X 96"
INSTALLATION DETAILS F1 BRACKET

DRAWN:
TJH

DWG NO.
08-02835E

REV
E

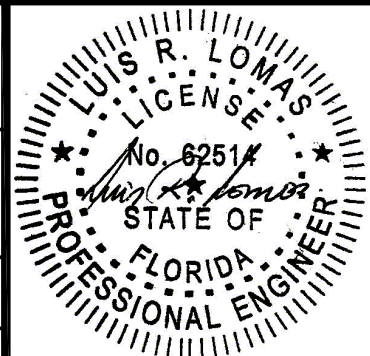
SCALE
NTS

DATE
02/27/09

SHEET
11 OF 7

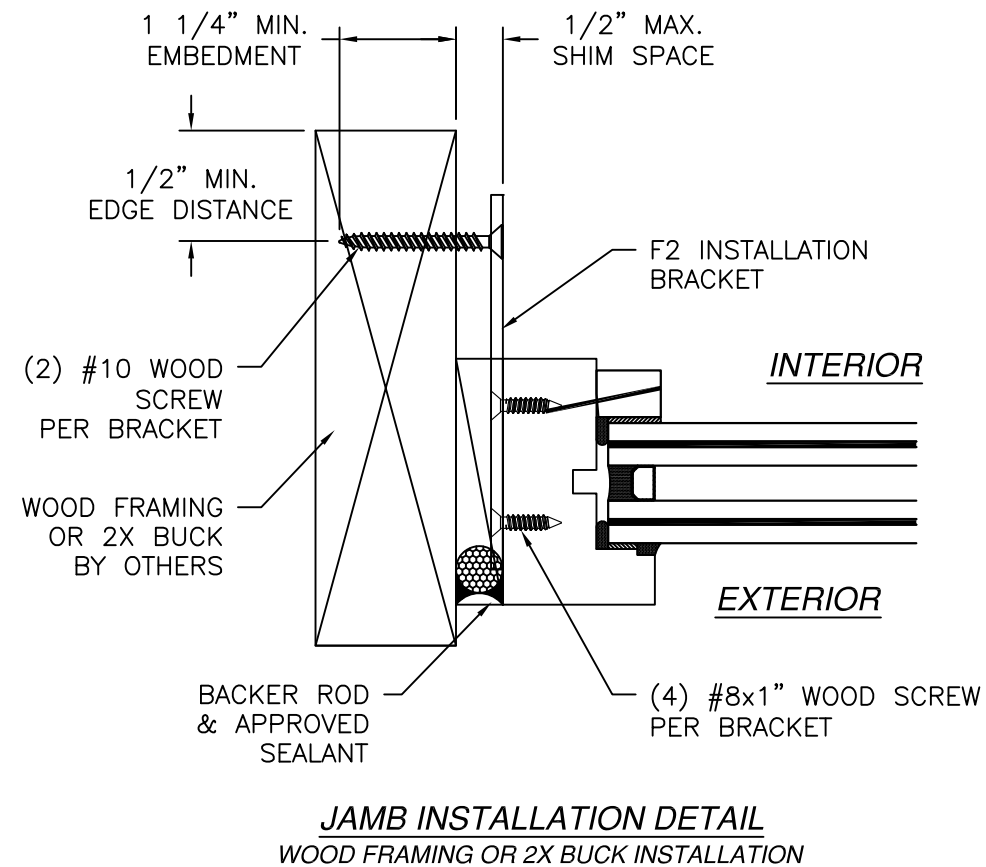
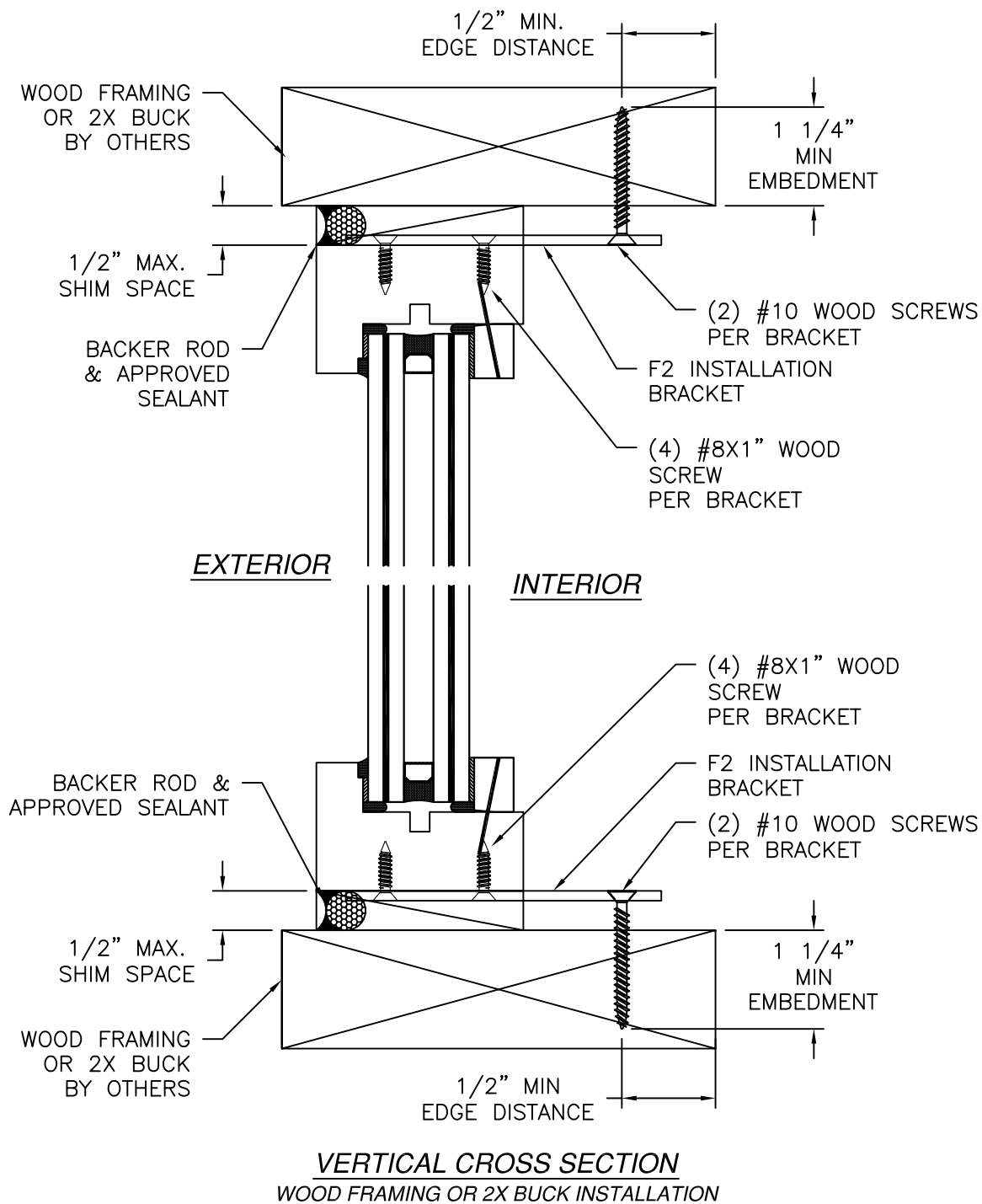
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/28/2026



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

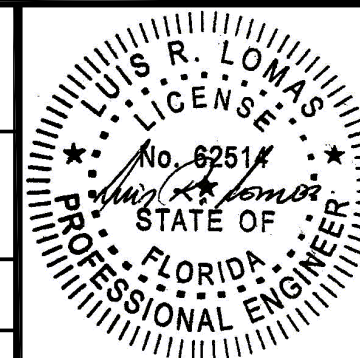
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.



- 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

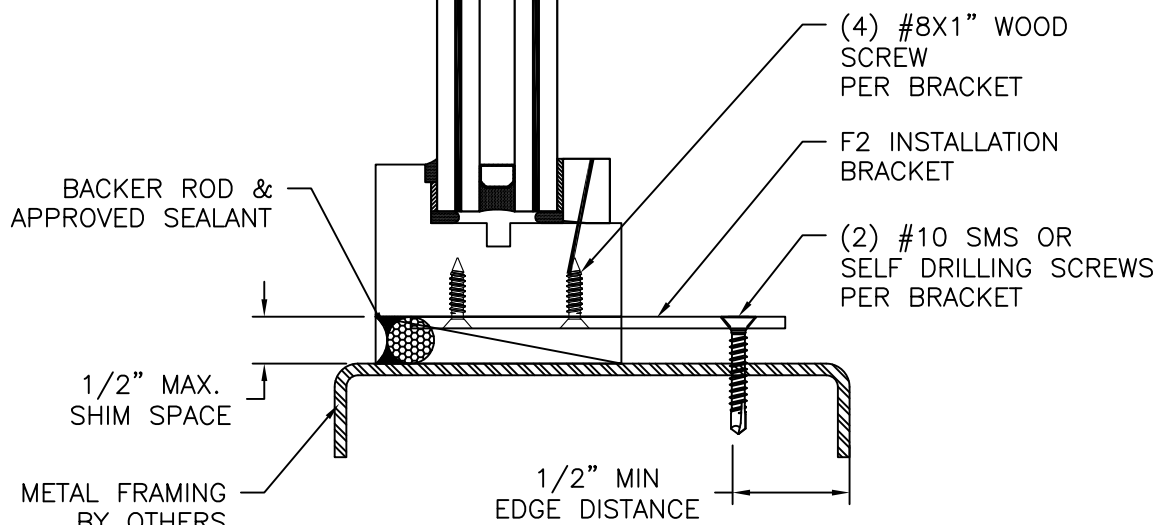
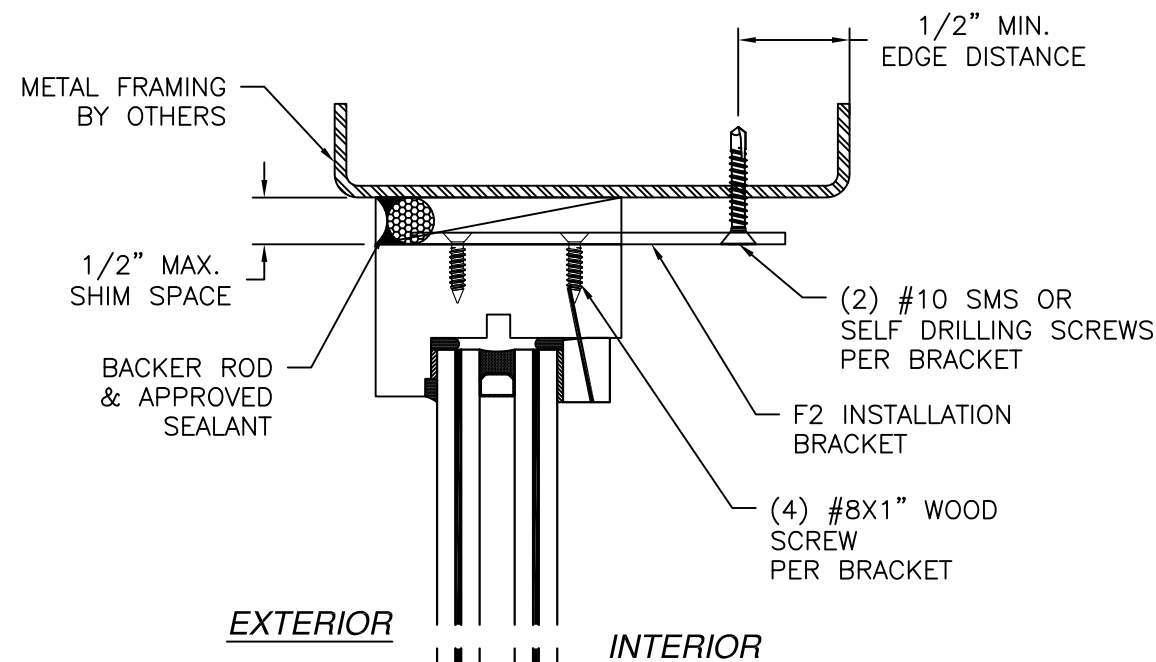
SIGNED: 07/28/2026

REILLY WINDOWS & DOORS 901 BURMAN BLVD CALVERTON, NY 11933		
WOOD DOUBLE HUNG WINDOW – IMPACT 48" X 96" INSTALLATION DETAILS F2 BRACKET		
DRAWN: TJH	DWG NO. 08-02835E	REV E
SCALE NTS	DATE 02/27/09	SHEET 12 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

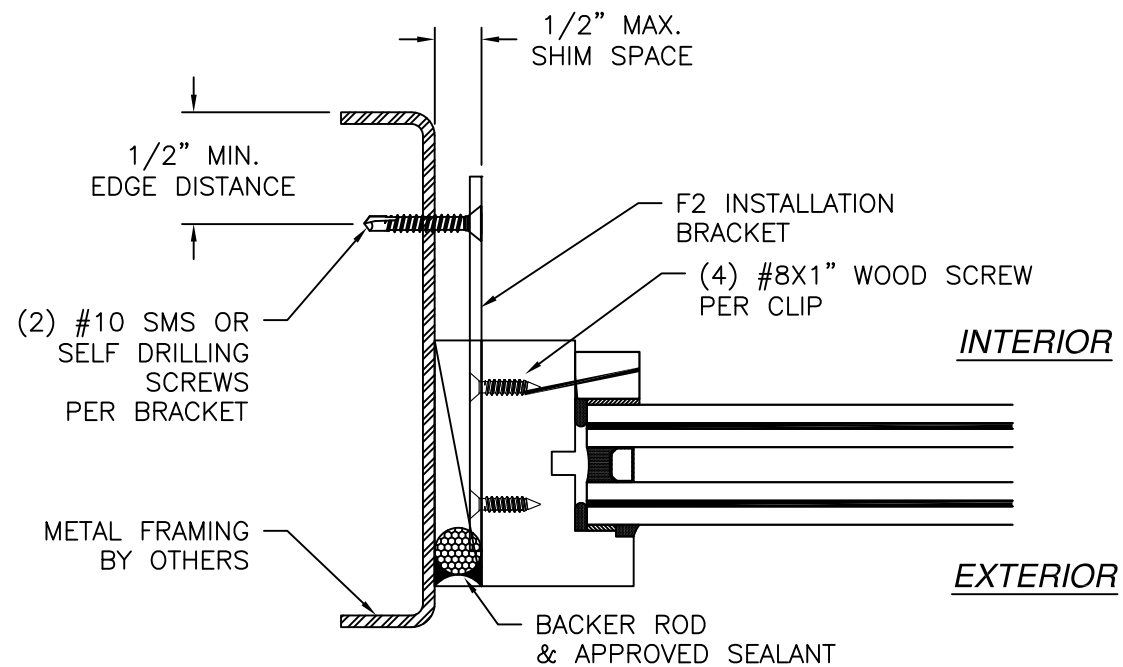


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

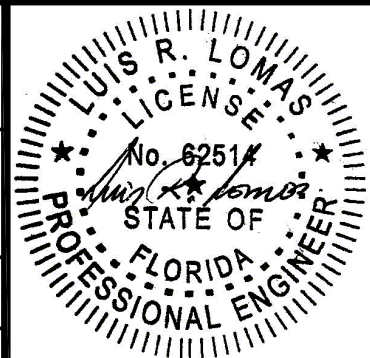


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- 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

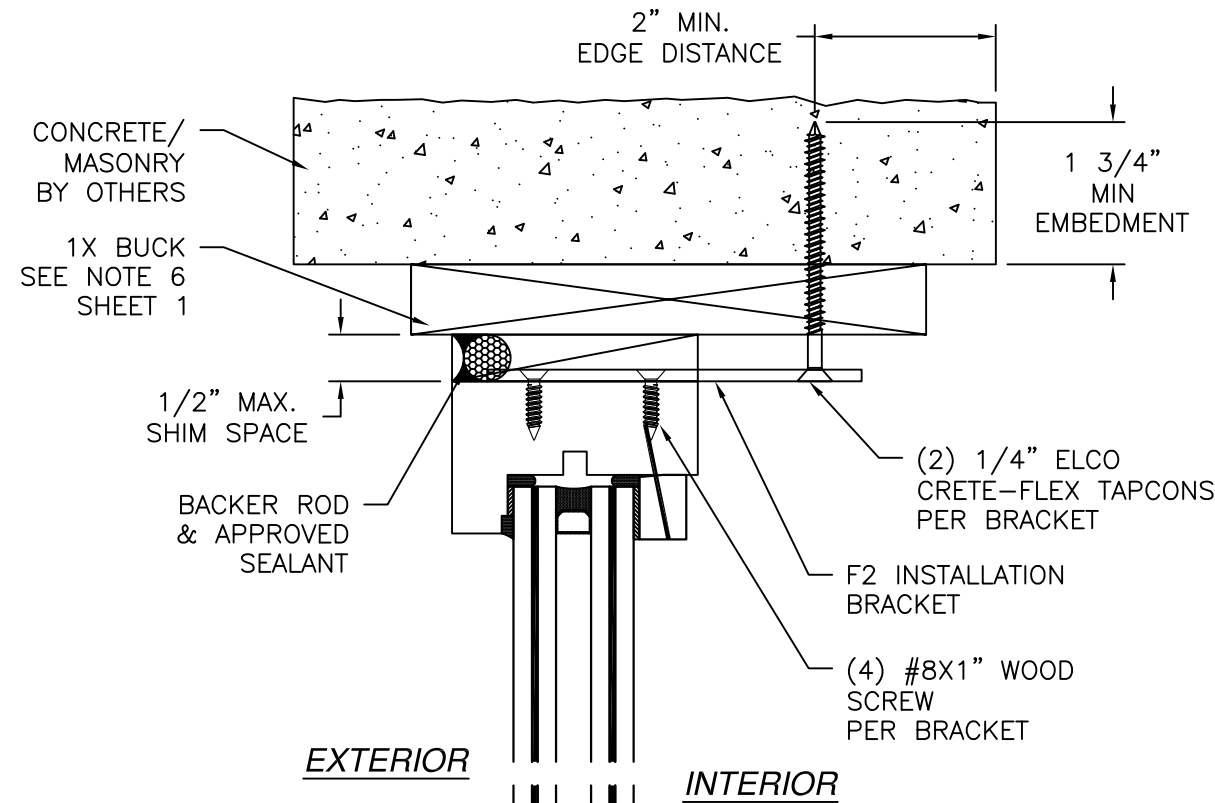
SIGNED: 07/28/2026

REILLY WINDOWS & DOORS 901 BURMAN BLVD CALVERTON, NY 11933		
WOOD DOUBLE HUNG WINDOW – IMPACT 48" X 96" INSTALLATION DETAILS F2 BRACKET		
DRAWN: TJH	DWG NO. 08-02835E	REV E
SCALE NTS	DATE 02/27/09	SHEET 13 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



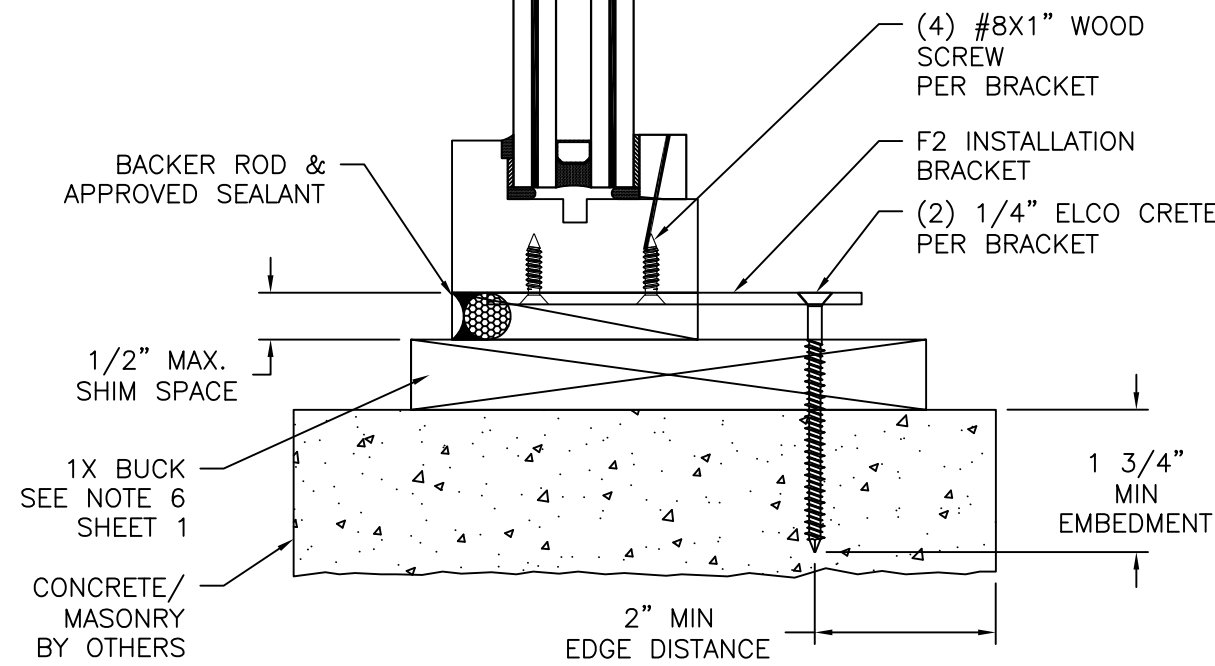
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.



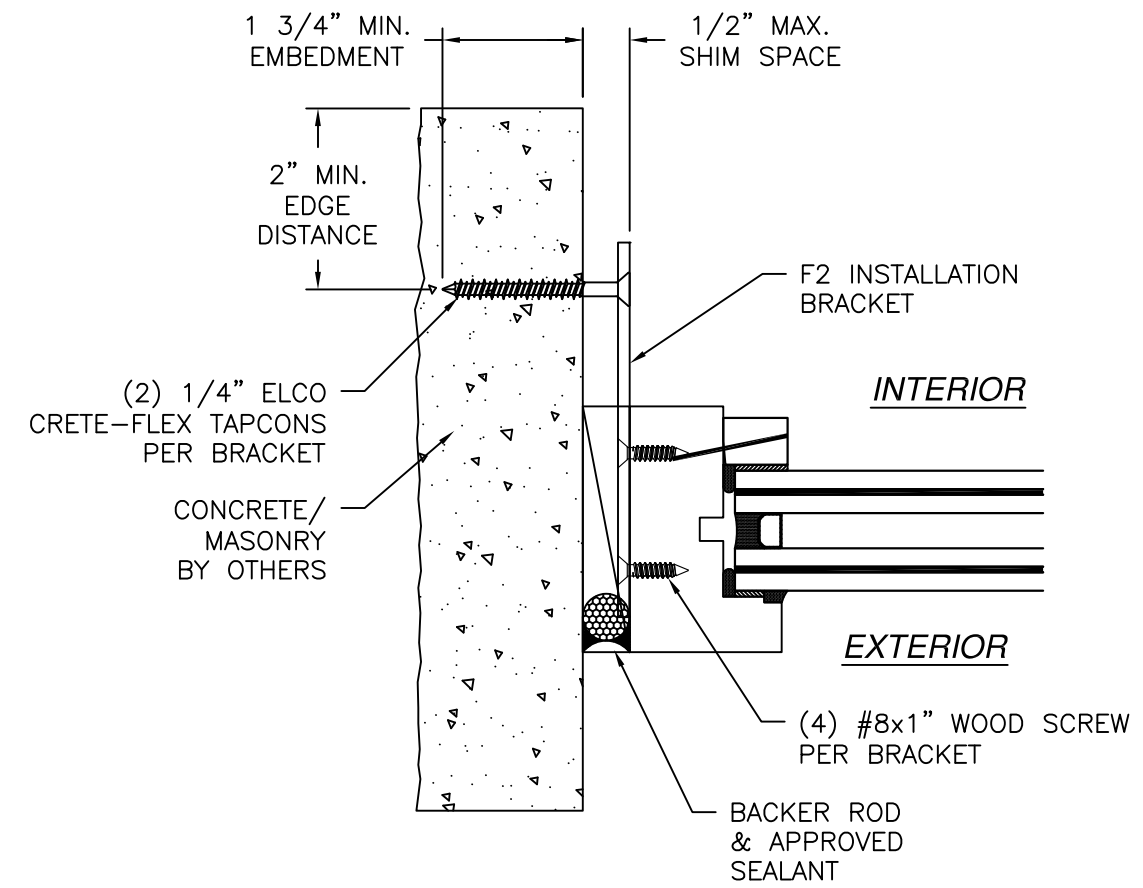
EXTERIOR

INTERIOR



VERTICAL CROSS SECTION

CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



INTERIOR

EXTERIOR

JAMB INSTALLATION DETAIL

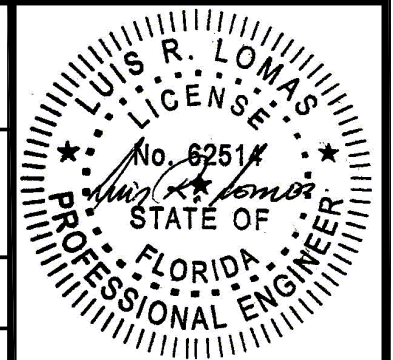
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

NOTES:

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

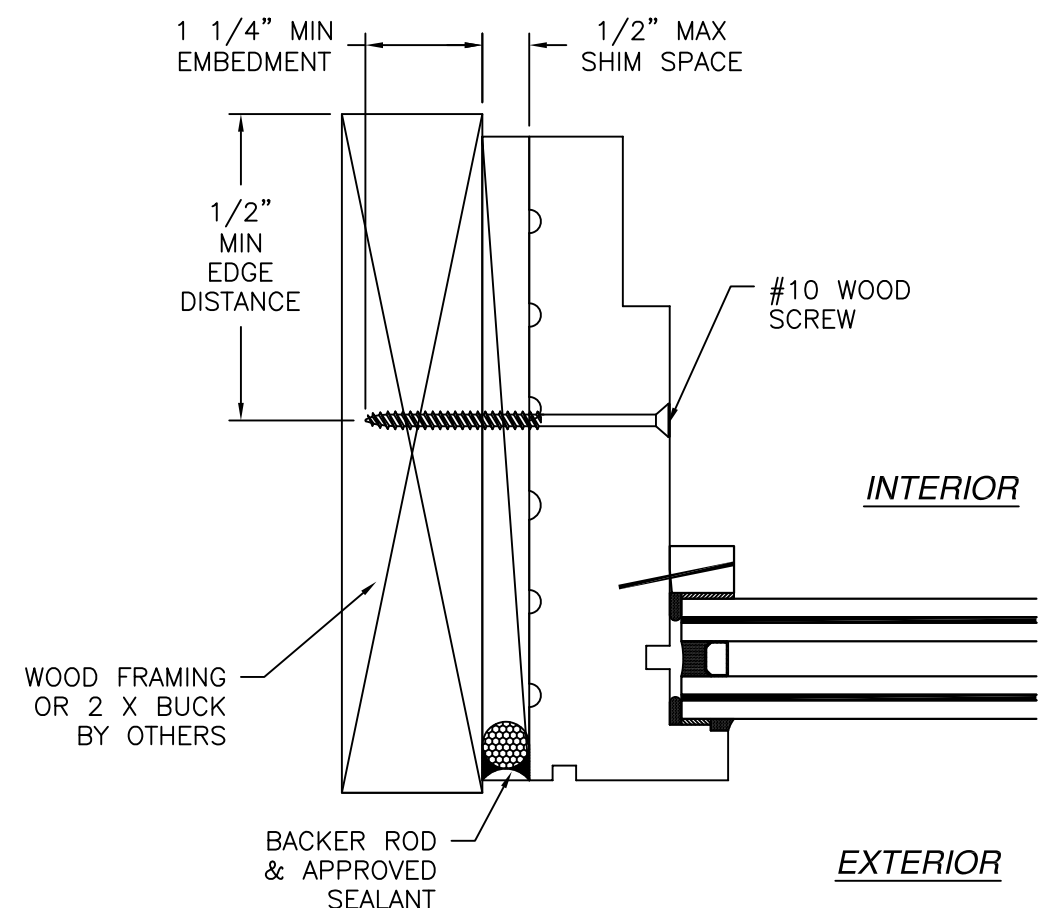
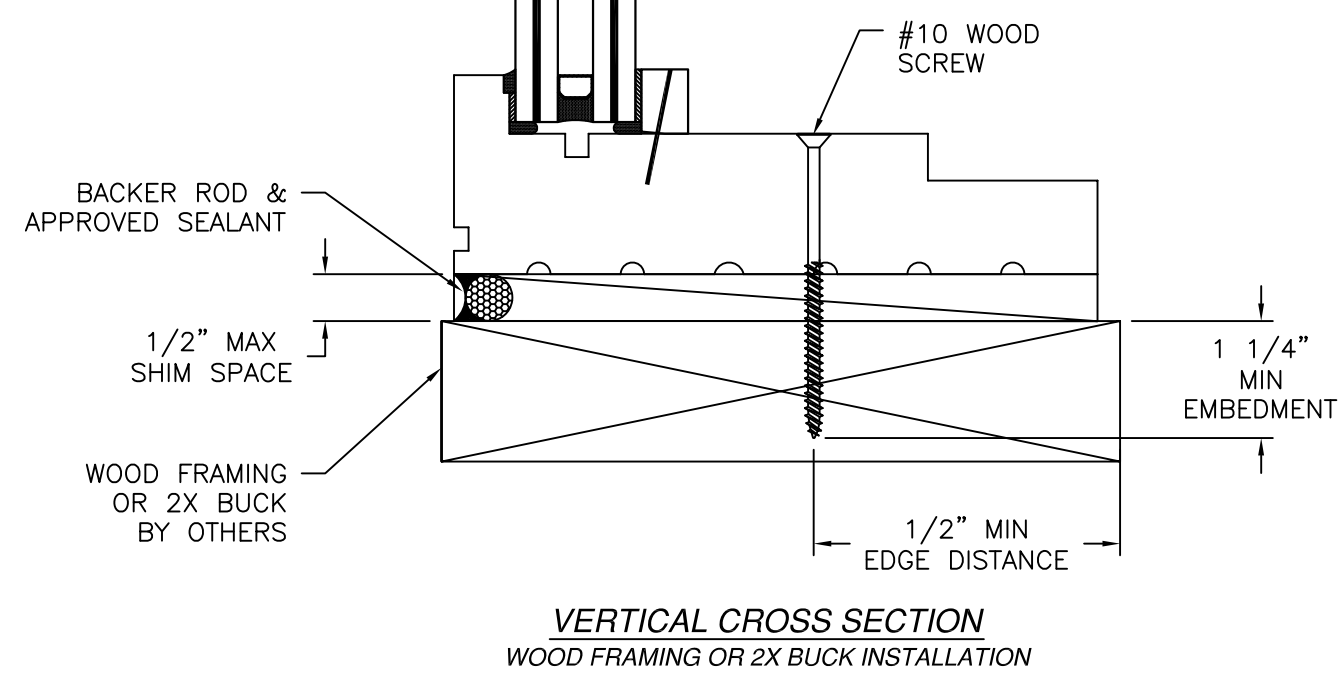
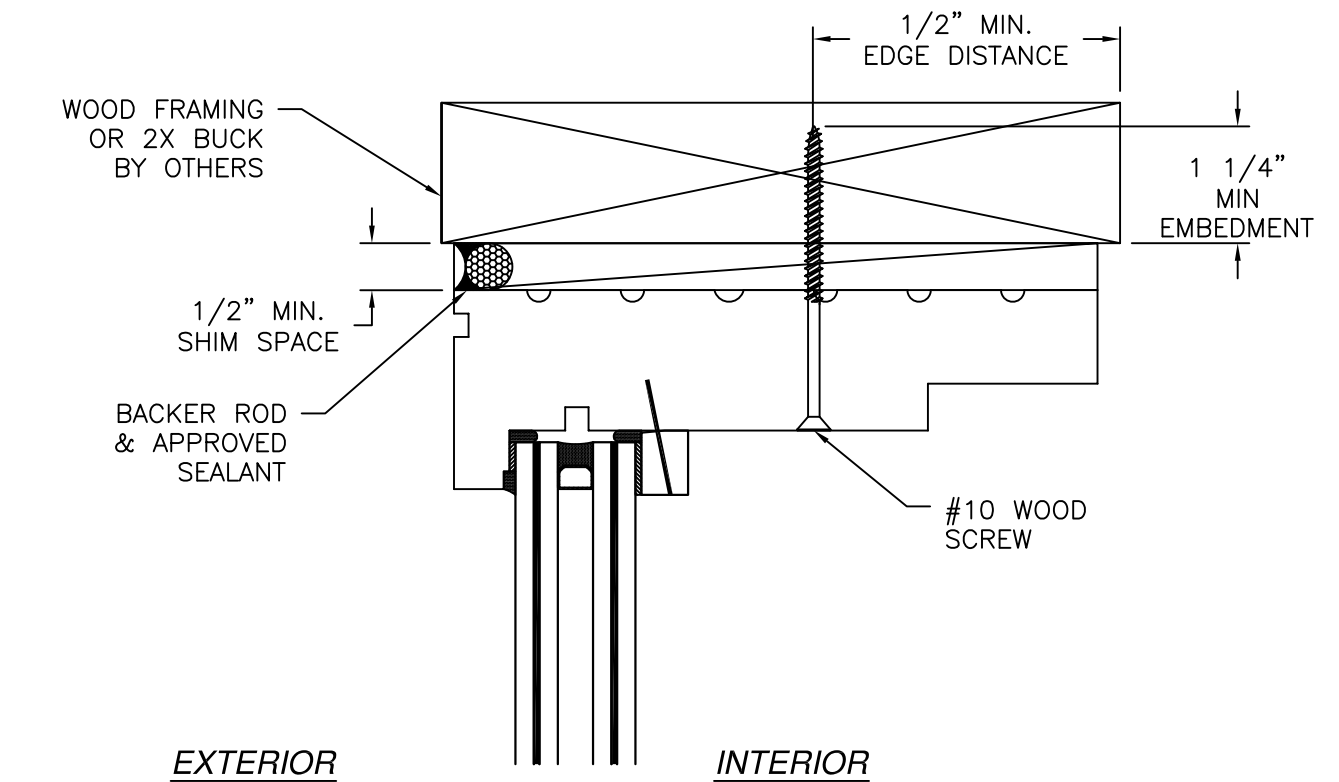
REILLY WINDOWS & DOORS 901 BURMAN BLVD CALVERTON, NY 11933		
WOOD DOUBLE HUNG WINDOW - IMPACT 48" X 96" INSTALLATION DETAILS F2 BRACKET		
DRAWN: TJH	DWG NO. 08-02835E	REV E
SCALE NTS	DATE 02/27/09	SHEET 14 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 07/28/2026



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.



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: 07/28/2026

REILLY WINDOWS & DOORS
901 BURMAN BLVD
CALVERTON, NY 11933

WOOD DOUBLE HUNG WINDOW – IMPACT
48" X 96"
INSTALLATION DETAILS W/EXTENSION JAMB

DRAWN:
TJH

DWG NO.
08-02835E

REV
E

SCALE
NTS

DATE
02/27/09

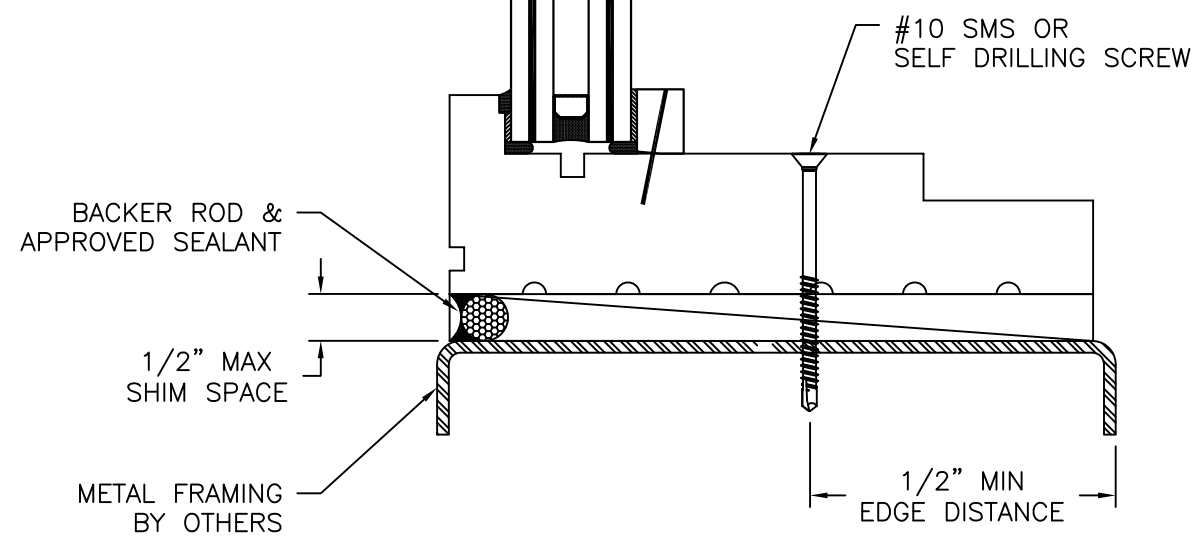
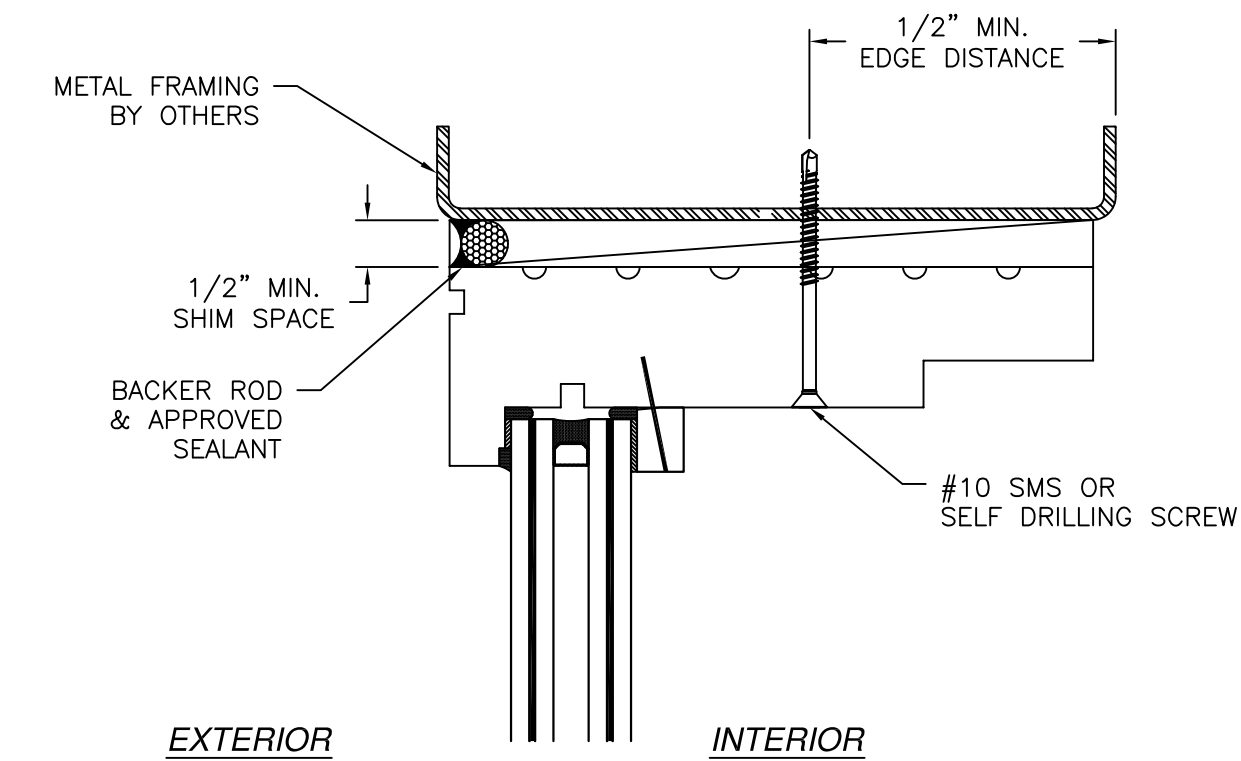
SHEET
15 OF 7

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

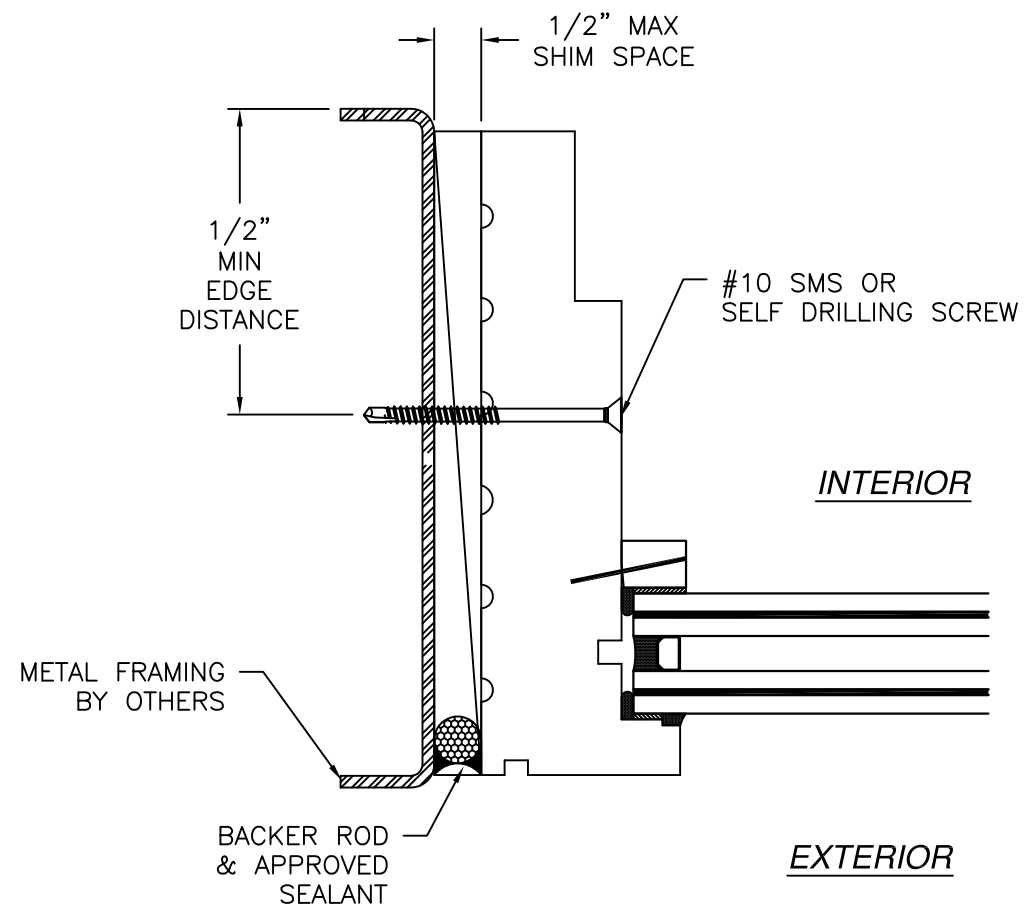
Luis R. Lomas
Professional Engineer
State of Florida
No. 62514

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.



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: 07/28/2026

REILLY WINDOWS & DOORS
901 BURMAN BLVD
CALVERTON, NY 11933

WOOD DOUBLE HUNG WINDOW – IMPACT
48" X 96"
INSTALLATION DETAILS W/EXTENSION JAMB

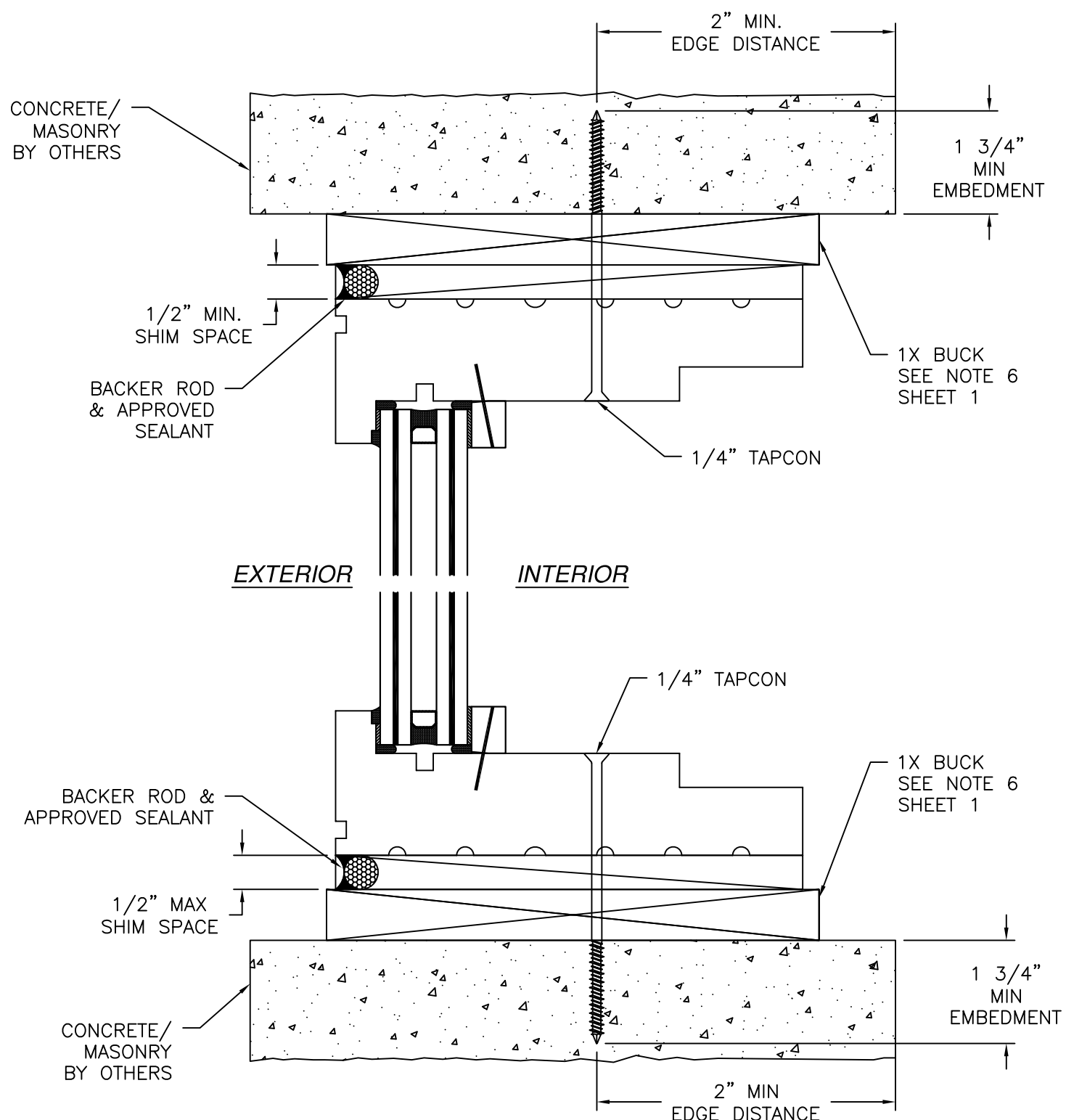
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SCALE NTS	DATE 02/27/09	SHEET 16 OF 7

L. ROBERTO LOMAS P.E.
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No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

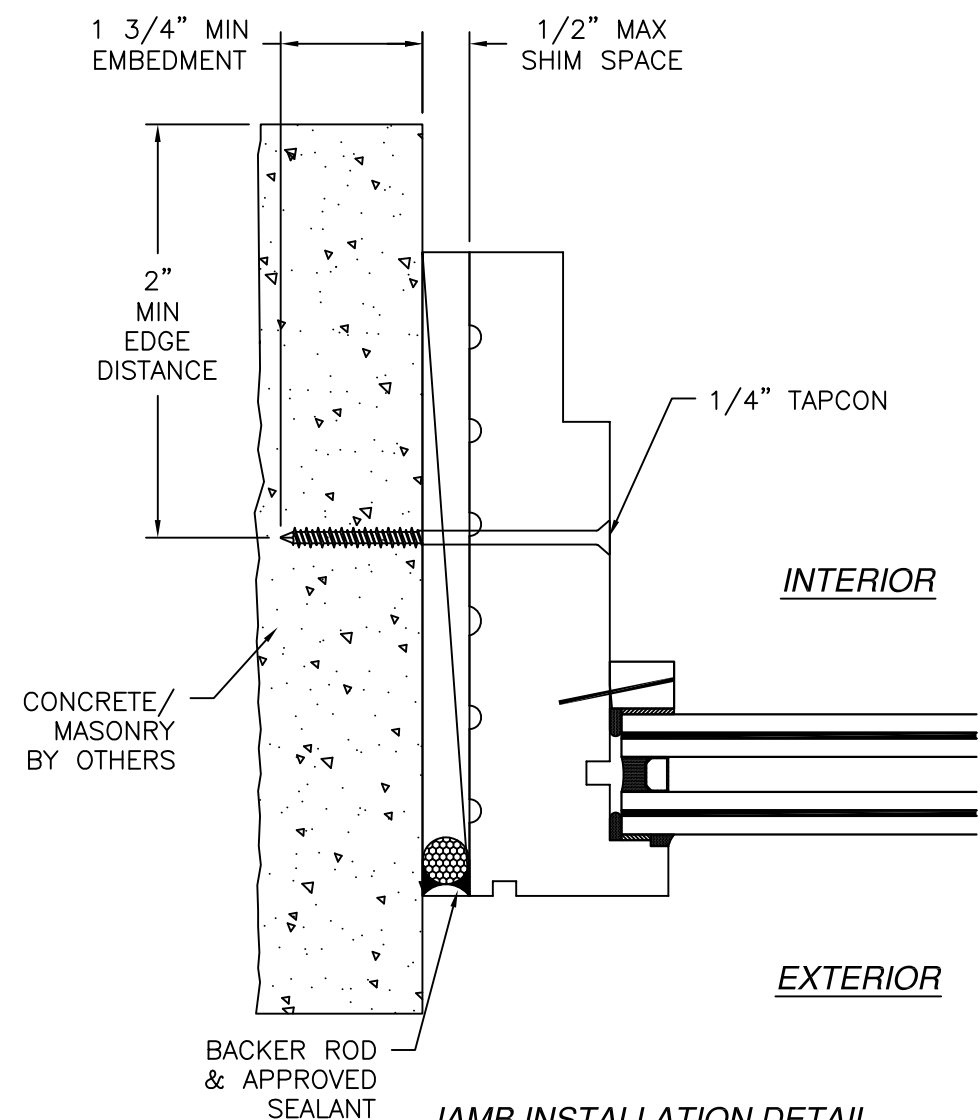
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.



VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL

- 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



JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

REILLY WINDOWS & DOORS
901 BURMAN BLVD
CALVERTON, NY 11933

WOOD DOUBLE HUNG WINDOW – IMPACT
48" X 96"
INSTALLATION DETAILS W/EXTENSION JAMB

DRAWN:
TJH

DWG NO.
08-02835E

REV
E

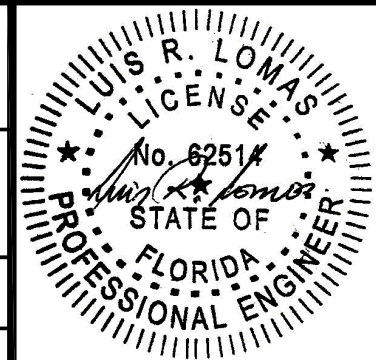
SCALE
NTS

DATE
02/27/09

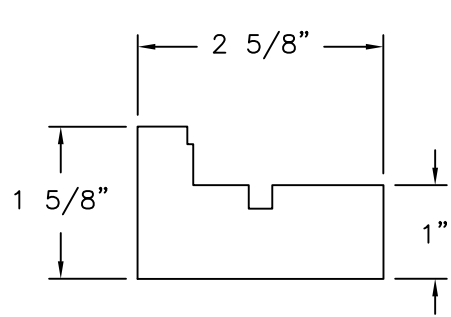
SHEET
17 OF 7

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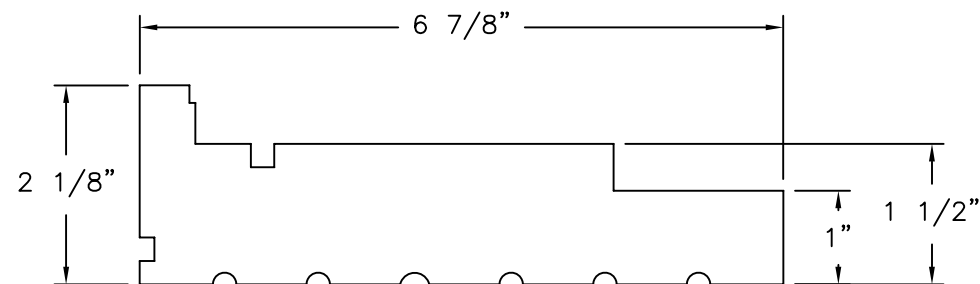
SIGNED: 07/28/2026



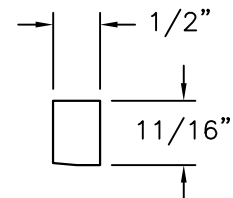
Luis R. Lomas P.E.
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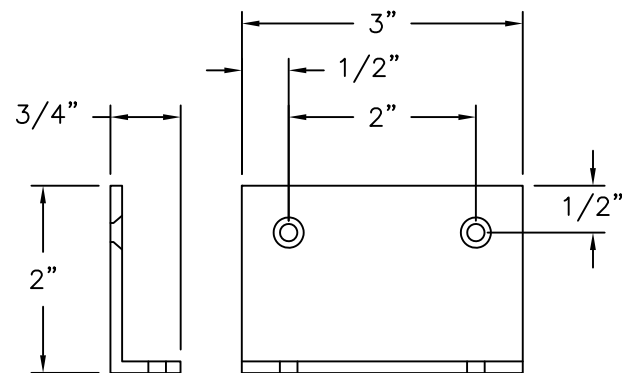
STILE/RAIL
GRADE (A) MAHOGANY, (A1)



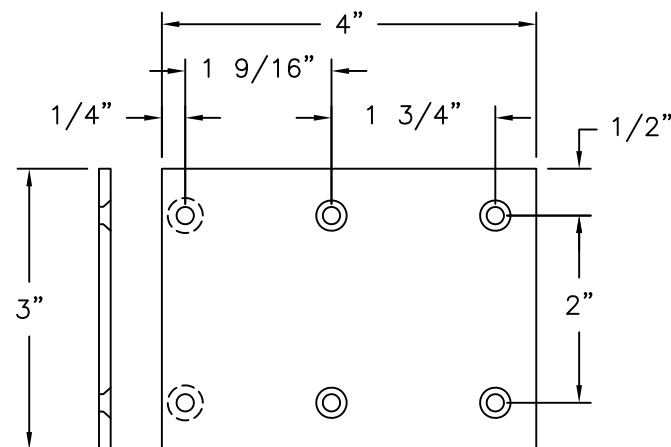
JAMB EXTENSION
GRADE (A) MAHOGANY



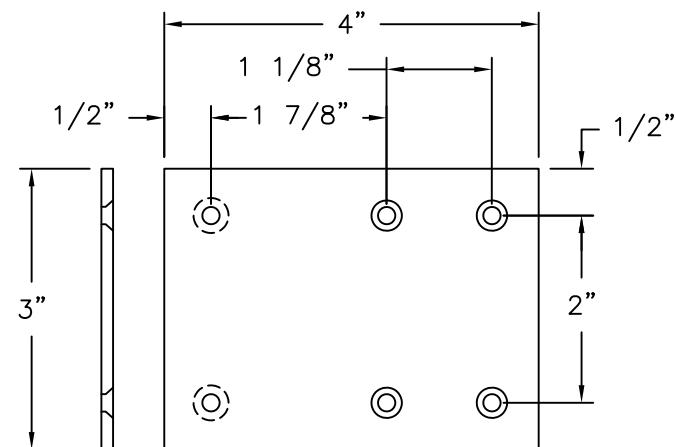
GLAZING STOP
GRADE (A) MAHOGANY, (GSA)



INSTALLATION ANGLE
ALUMINUM 6063-T5 .125 " THICK



F1 INSTALLATION BRACKET
ALUMINUM 6063-T5 .125 " THICK



F2 INSTALLATION BRACKET
ALUMINUM 6063-T5 .125 " THICK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED GLASS F	07/28/26	R.L.

SIGNED: 07/28/2026

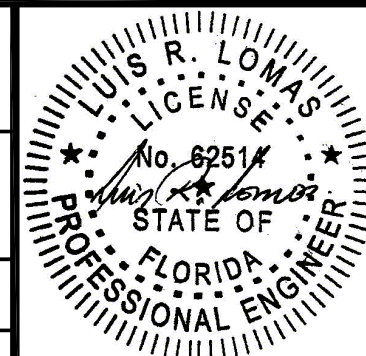
REILLY WINDOWS & DOORS

901 BURMAN BLVD
CALVERTON, NY 11933

WOOD DOUBLE HUNG WINDOW - IMPACT
48" X 96"
COMPONENTS

DRAWN: TJH	DWG NO. 08-02835E	REV E
SCALE NTS	DATE 02/27/09	SHEET 18 OF 7

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