

REGENCY PLUS, INC.

SERIES 5100 IMPACT VINYL TILT SINGLE HUNG WINDOW

INSTALLATION ANCHORAGE DETAILS

NOTES:

1.

THE PRODUCT SHOWN HEREIN IS TESTED AND DESIGNED TO COMPLY WITH REQUIREMENTS OF THE 9TH EDITION (2026) FLORIDA BUILDING CODE, BUILDING AND RESIDENTIAL VOLUMES INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2.

WOOD FRAMING AND CONCRETE/MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND CONCRETE/MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3.

1 X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1 X 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.
4.

THE PRODUCT SHOWN HEREIN HAS BEEN TESTED TO THE FOLLOWING BY NATIONAL CERTIFIED TESTING LABORATORIES, YORK, PA SIGNED AND SEALED BY HAROLD E. RUPP, P.E. OR ROBERT H. ZEIDERS, P.E. FOR DETAILS.

4.1.

TAS 201, TAS 202 AND TAS 203. SEE TEST REPORT NO. NCTL-110-13718-1 DATED 4/21/11.

4.2.

AAMA/WDMA/CSA 101/I.S.2/A440-05/08. SEE TEST REPORT NO. NCTL-110-13718-2 DATED 4/20/11.

4.3.

ASTM E1886-02/05 and ASTM E1996-02/05. SEE TEST REPORT NO. NCTL-110-13718-3 DATED 4/20/11.
5.

MATERIALS:

5.1.

FRAME: EXTRUDED RIGID PVC BY VISION EXTRUSIONS GROUP LIMITED PER CURRENT MIAMI-DADE NOA.

5.2.

LAMINATED GLAZING INTERLAYER: KURARAY AMERICA TROSIFOL PVB INTERLAYER PER CURRENT MIAMI-DADE NOA.

5.3.

REINFORCEMENT: GALVANIZED STEEL C-TUBE – FIXED MEETING RAIL AND ALL SASH MEMBERS.
6.

SEE GLAZING DETAIL ON SHEET 3.

6.1.

AS TESTED GLAZING MEETS ASTM E1300-24 FOR THE DESIGN CONDITIONS SHOWN IN THIS PRODUCT APPROVAL DOCUMENT.

6.2.

ALTERNATE GLAZING MEETING THE REQUIREMENTS OF AAMA/WDMA/CSA 101/I.S.2/A440 SHALL BE ALLOWED PER ASTM E1300.

6.3.

SETTING BLOCKS SHALL BE IN COMPLIANCE WITH THE 9TH EDITION (2026) FLORIDA BUILDING CODE, SECTION 2411.3.3.1. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER.
7.

APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8.

SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9.

FOR SECURING HEAD, SILL AND JAMBS INTO CONCRETE OR MASONRY, USE A WOOD STOP WITH 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1-1/2" MINIMUM EMBEDMENT INTO CONCRETE OR 1" MINIMUM EMBEDMENT INTO MASONRY WITH 2" MINIMUM EDGE DISTANCE. FOR ANCHORING JAMBS USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1-1/2" MINIMUM EMBEDMENT INTO CONCRETE OR 1" MINIMUM EMBEDMENT IN MASONRY WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10.

FOR ANCHORING HEAD AND SILL INTO WOOD FRAMING OR 2X BUCK USE A WOOD STOP WITH #8 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1" MINIMUM EMBEDMENT INTO SUBSTRATE. FOR ANCHORING JAMBS USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 9/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11.

ALL FASTENERS TO BE CORROSION RESISTANT, AND/OR HAVE A CORROSION RESISTANT COATING, OR MEET THE REQUIREMENTS OF SECTION 1711, 9TH EDITION (2026) FBC AND SECTION R332, 9TH EDITION (2026) FRC WHEN APPLICABLE.
12.

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:

12.1.

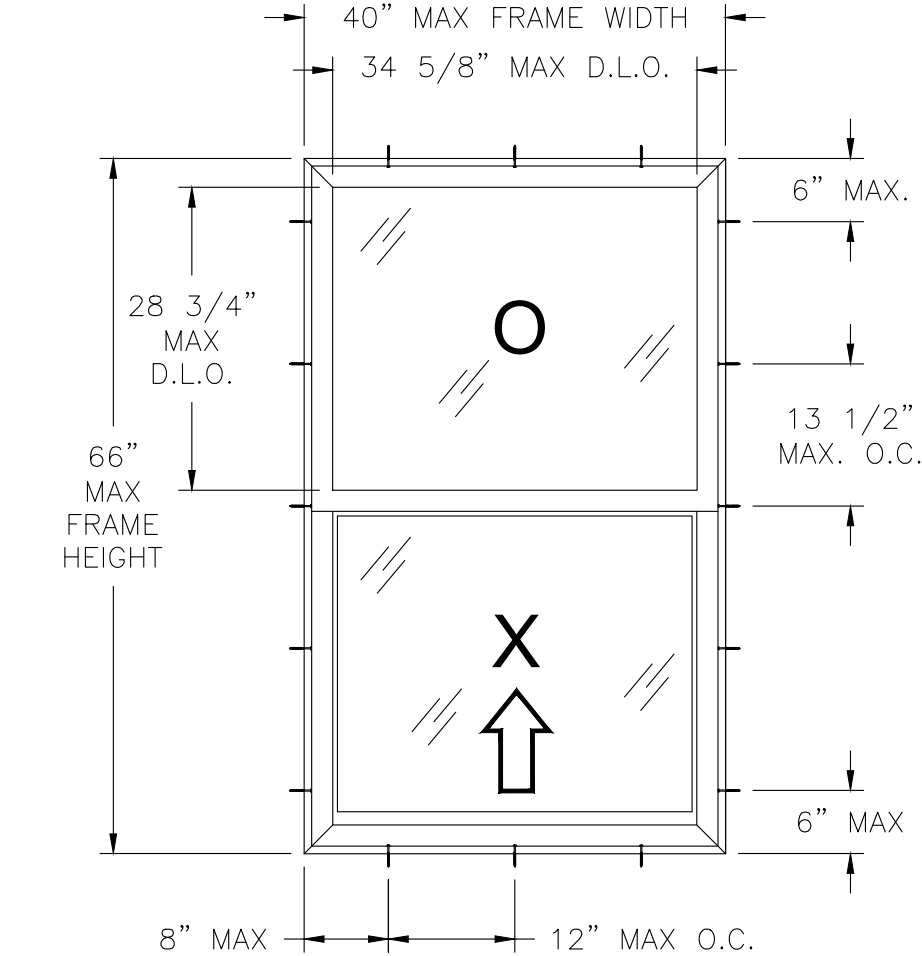
WOOD - MINIMUM SPECIFIC GRAVITY (G) OF 0.42 (NON-HVHZ) AND 0.55 (HVHZ)

12.2.

CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI

12.3.

MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT WITH DENSITY > 117 PCF



- NOTES:
1. MAXIMUM ACTIVE SASH SIZE: 37" X 31-1/4" WITH D.L.O. 33-3/4" X 27-7/8".

HARDWARE SCHEDULE	
A.	(1) METAL CAM-TYPE SWEEP LOCK 9-3/8" FROM EACH END OF ACTIVE MEETING RAIL
B.	(1) METAL KEEPER AT FIXED MEETING RAIL AT LOCK LOCATIONS
C.	(1) PLASTIC TILT LATCH AT EACH END OF ACTIVE MEETING RAIL AND TOP RAIL
D.	(1) T-SHAPED METAL PIVOT BAR AT EACH END OF BOTTOM RAIL
E.	(1) STEEL REINFORCEMENT C-SHAPED AT FIXED MEETING RAIL AND ALL SASH MEMBERS

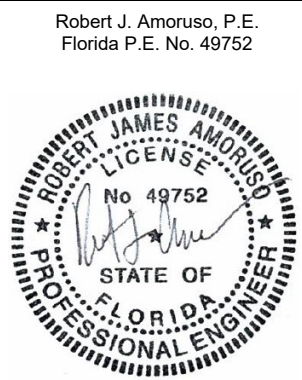
This item has been electronically signed and sealed by Robert J. Amoruso on the date adjacent to the seal using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

TABLE OF CONTENT	
SHEET	DESCRIPTION
1	ELEVATION, ANCHORING AND NOTES
2 & 3	INSTALLATION DETAILS

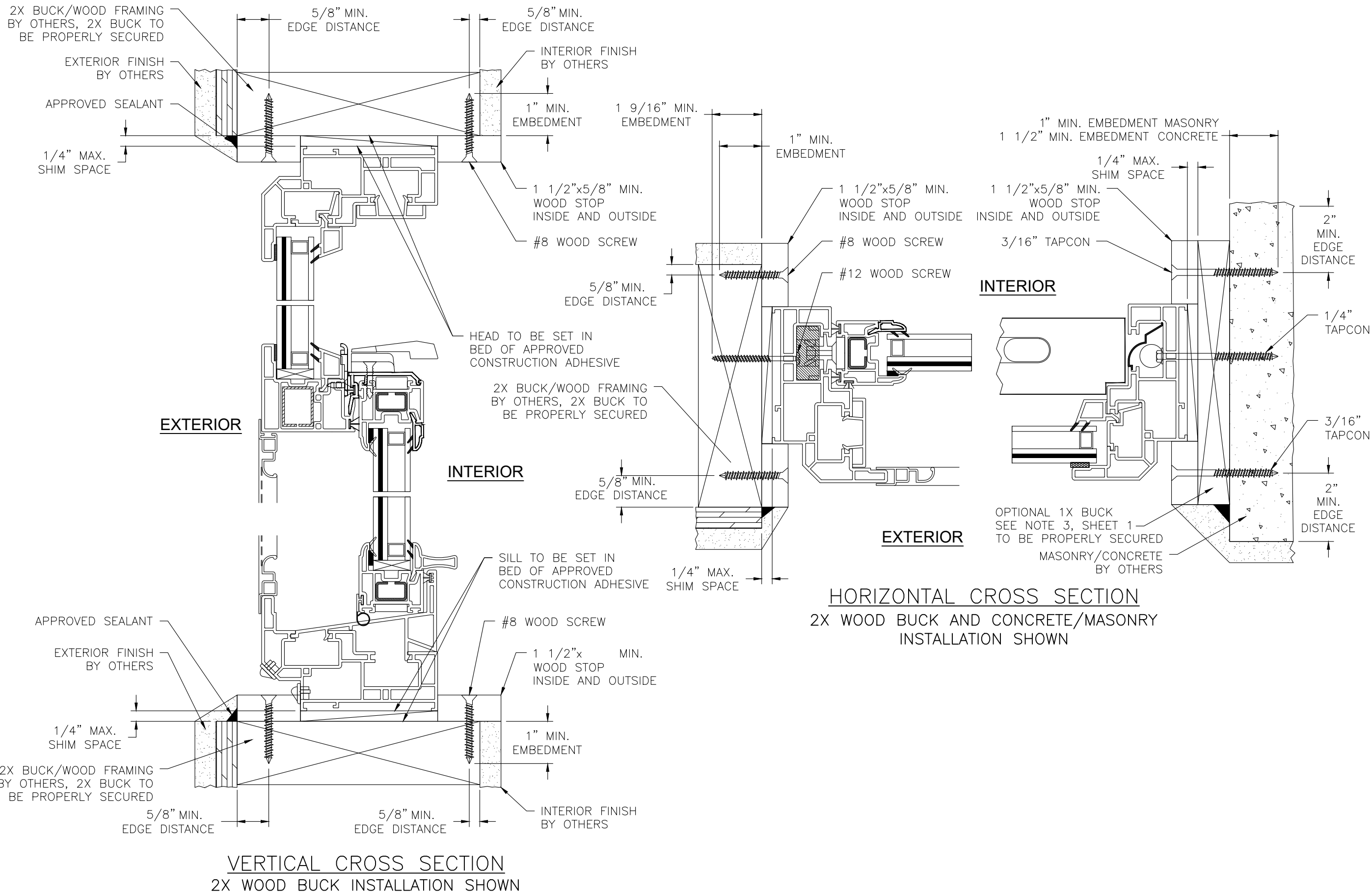
DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+55.0/-70.0	LARGE AND SMALL MISSILE IMPACT
HVHZ AND WIND ZONE 4, MISSILE LEVEL D	

PROJECT No. ACE-2025-131				RJA	BY
				7/28/26	DATE
			A	2026 FBC UPDATE	REV

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851	TITLE: SERIES 5100 IMPACT VINYL TILT SINGLE HUNG WINDOW ELEVATION, ANCHORING AND NOTES		DATE: 1/11/18	DRAWING NO: RPLS0065	SHEET: 1 OF 3
	DRAWN BY: RJA	SCALE: N.T.S.	FBPE REGISTRATION NO. 38327	REV: A	
	226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM				



Digitally signed by Robert J Amoruso
Date: 2026.08.25 10:10:59 -04'00'

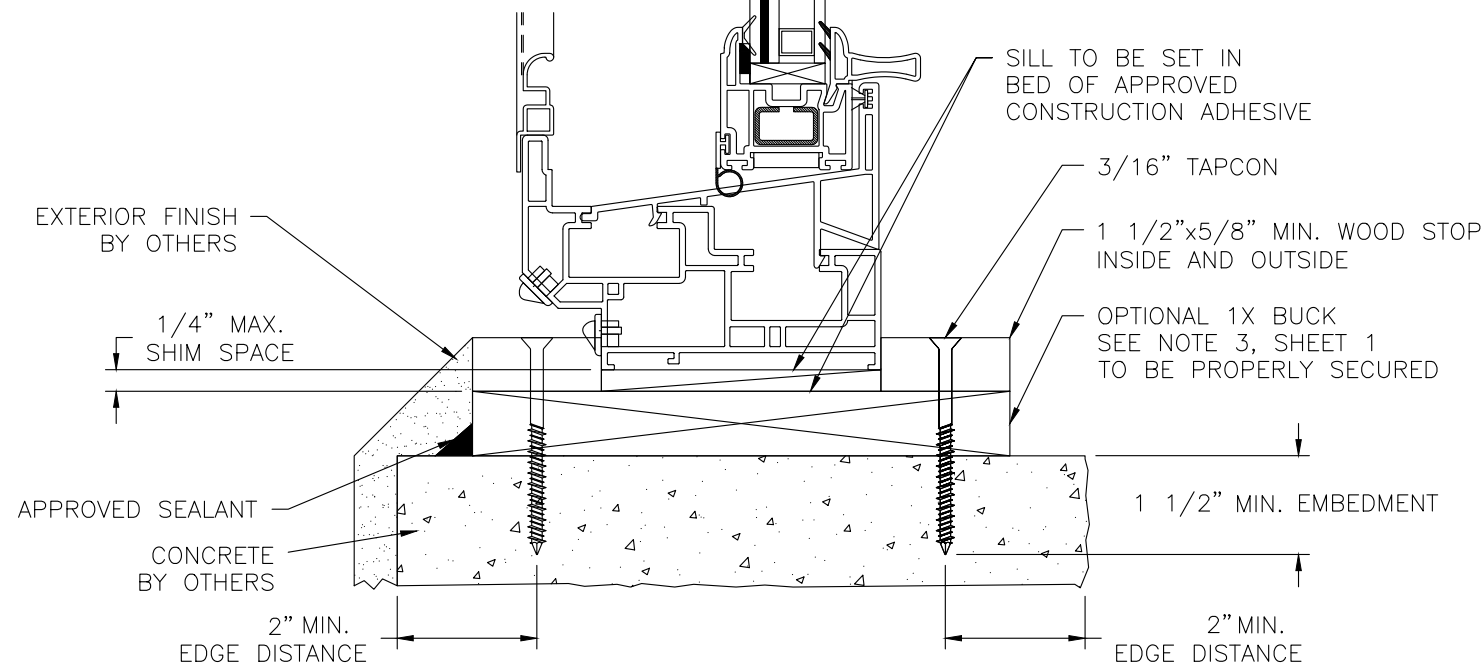
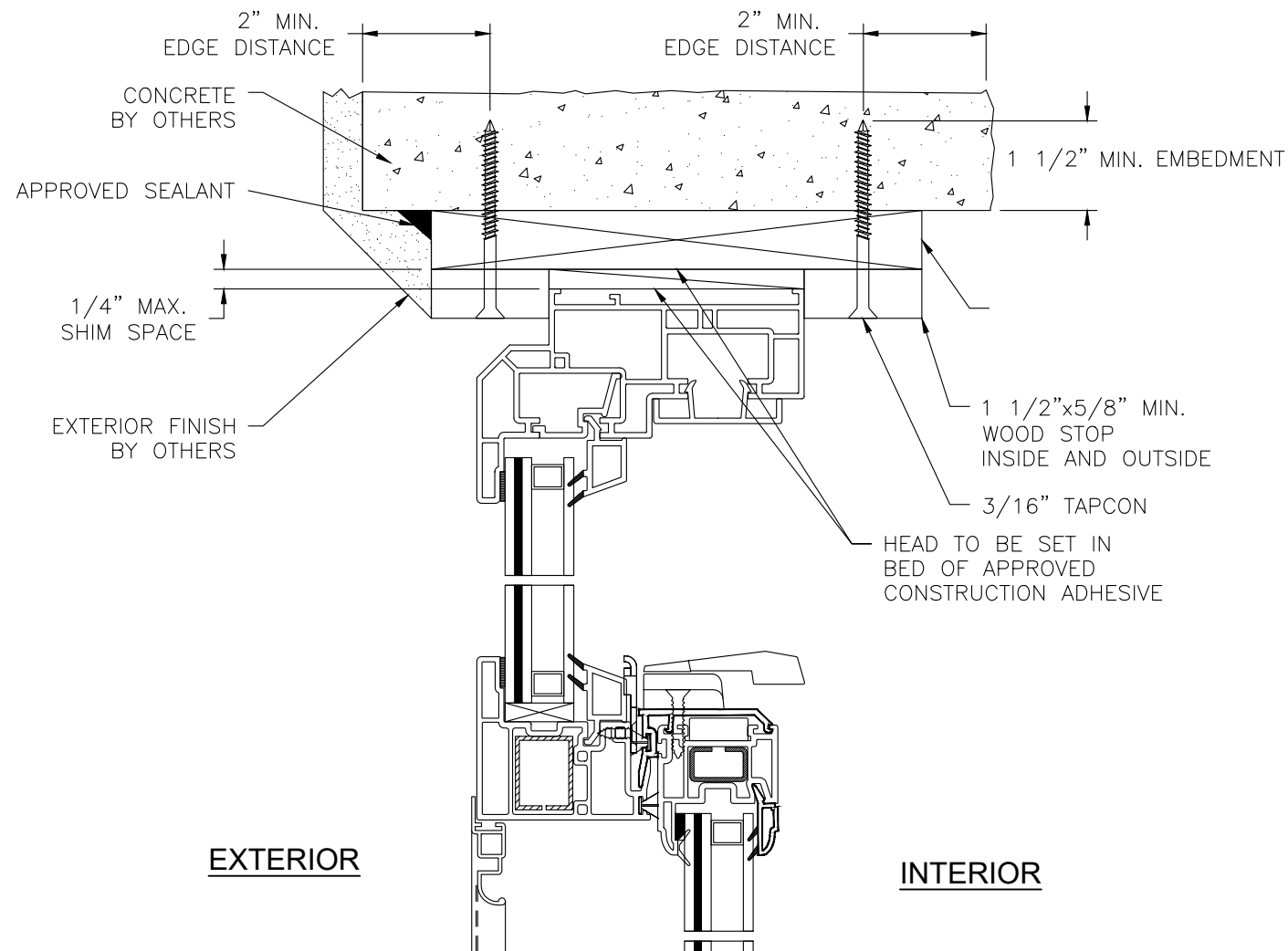


PROJECT No. ACE-2025-131						RJA		7/28/26		DATE		BY	
						A		2026 FBC UPDATE		DESCRIPTION		REV	

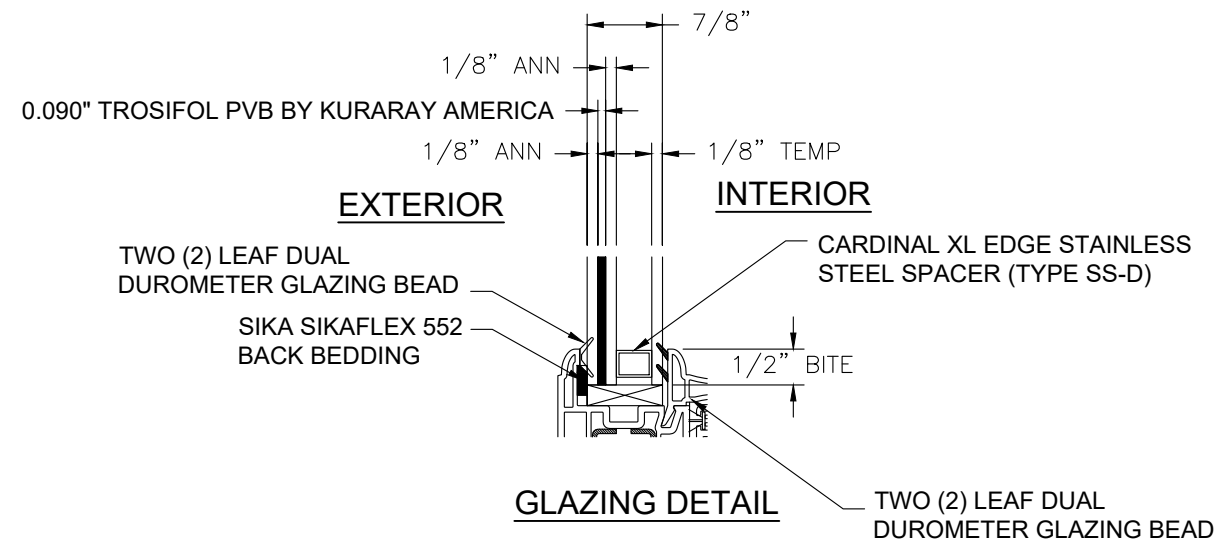
REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851		DRAWN BY: RJA		DATE: 1/11/18		SCALE: N.T.S.		SHEET: 2 OF 3		REV: A		RPLS0065	
TITLE: SERIES 5100 IMPACT VINYL TILT SINGLE HUNG WINDOW INSTALLATION DETAILS		AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM											

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

Digitally signed
by Robert J
Amoruso
Date:
2026.08.25
10:11:14 -04'00'



VERTICAL CROSS SECTION
CONCRETE INSTALLATION SHOWN



PROJECT No. ACE-2025-131					
				RJA	BY
			7/28/26		DATE
			2026 FBC UPDATE		DESCRIPTION
		A			REV

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851		TITLE: SERIES 5100 IMPACT VINYL TILT SINGLE HUNG WINDOW INSTALLATION DETAILS		DRAWN BY: RJA DATE: 1/11/18	
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM		SCALE: N.T.S.		DRAWING NO: RPLS0065	
		REV: A		SHEET: 3 OF 3	

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Digitally signed
by Robert J
Amoruso
Date:
2026.08.25
10:11:27 -04'00'