

REGENCY PLUS, INC.

SERIES 5100 IMPACT VINYL TILT SINGLE HUNG WINDOW

INSTALLATION ANCHORAGE DETAILS

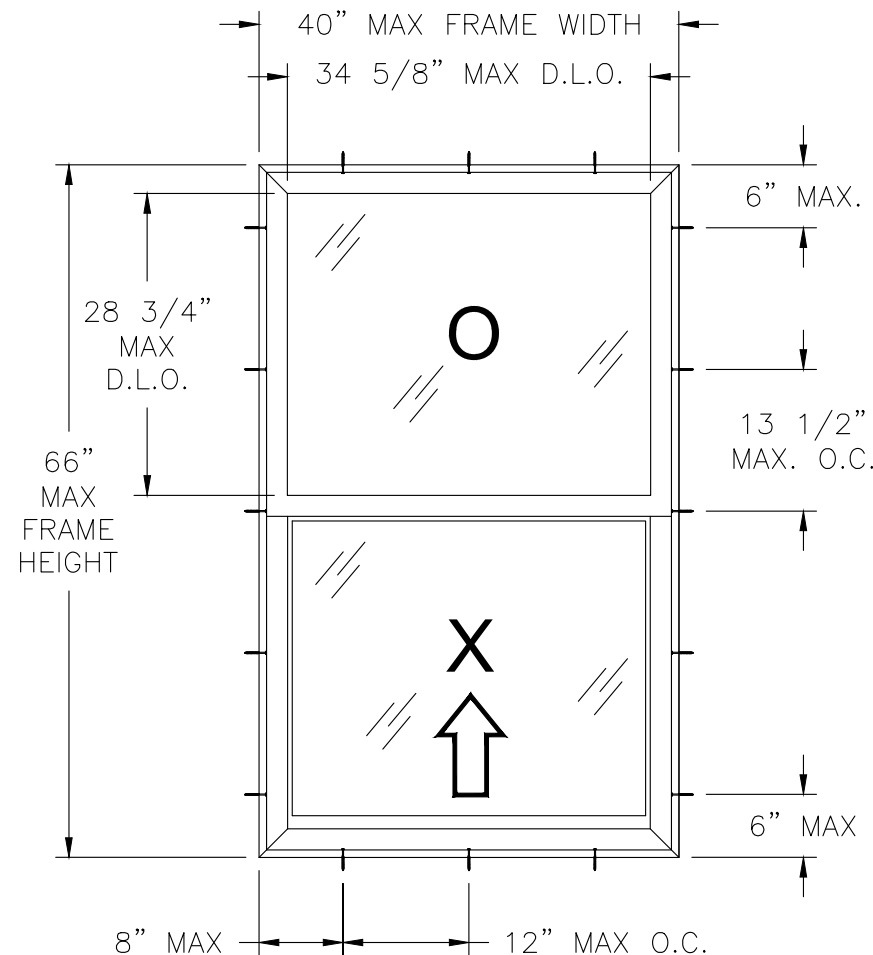
NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 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.
- 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.
- 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.
 - TAS 201, TAS 202 AND TAS 203. SEE TEST REPORT NO. NCTL-110-13718-1 DATED 4/21/11.
 - AAMA/WDMA/CSA 101/I.S.2/A440-05/08. SEE TEST REPORT NO. NCTL-110-13718-2 DATED 4/20/11.
 - ASTM E1886-02/05 and ASTM E1996-02/05. SEE TEST REPORT NO. NCTL-110-13718-3 DATED 4/20/11.
- MATERIALS:
 - FRAME MATERIAL: EXTRUDED RIGID PVC.
 - REINFORCEMENT: GALVANIZED STEEL C-TUBE – FIXED MEETING RAIL AND ALL SASH MEMBERS.
- SEE GLAZING DETAIL ON SHEET 3.
 - AS TESTED GLAZING MEETS ASTM E1300-09a FOR THE DESIGN CONDITIONS SHOWN IN THIS PRODUCT APPROVAL DOCUMENT.
 - ALTERNATE GLAZING MEETING THE REQUIREMENTS OF AAMA/WDMA/CSA 101/I.S.2/A440 SHALL BE ALLOWED PER ASTM E1300.
 - SETTING BLOCKS IF USED AND/OR WHERE REQUIRED BY THE CURRENT EDITION OF THE FLORIDA BUILDING CODE SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER. GLAZING BEADS (GASKETS) SHALL MEET THE CURRENT EDITION OF THE FLORIDA BUILDING CODE AS REQUIRED.
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 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".
- 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.
- 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.
- ALL FASTENERS TO BE CORROSION RESISTANT.
- 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:
 - WOOD - MINIMUM SPECIFIC GRAVITY (G) OF 0.42 (NON-HVHZ) AND 0.55 (HVHZ)
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT WITH DENSITY > 117 PCF

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



ELEVATION
EXTERIOR VIEW

NOTES:

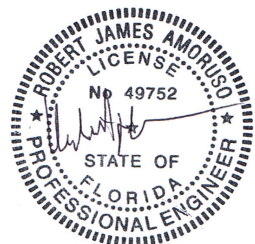
- MAXIMUM ACTIVE SASH SIZE: 37" X 31-1/4" WITH D.L.O. 33-3/4" X 27-7/8".

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

PROJECT #417-0906				BY
				DATE
				REV

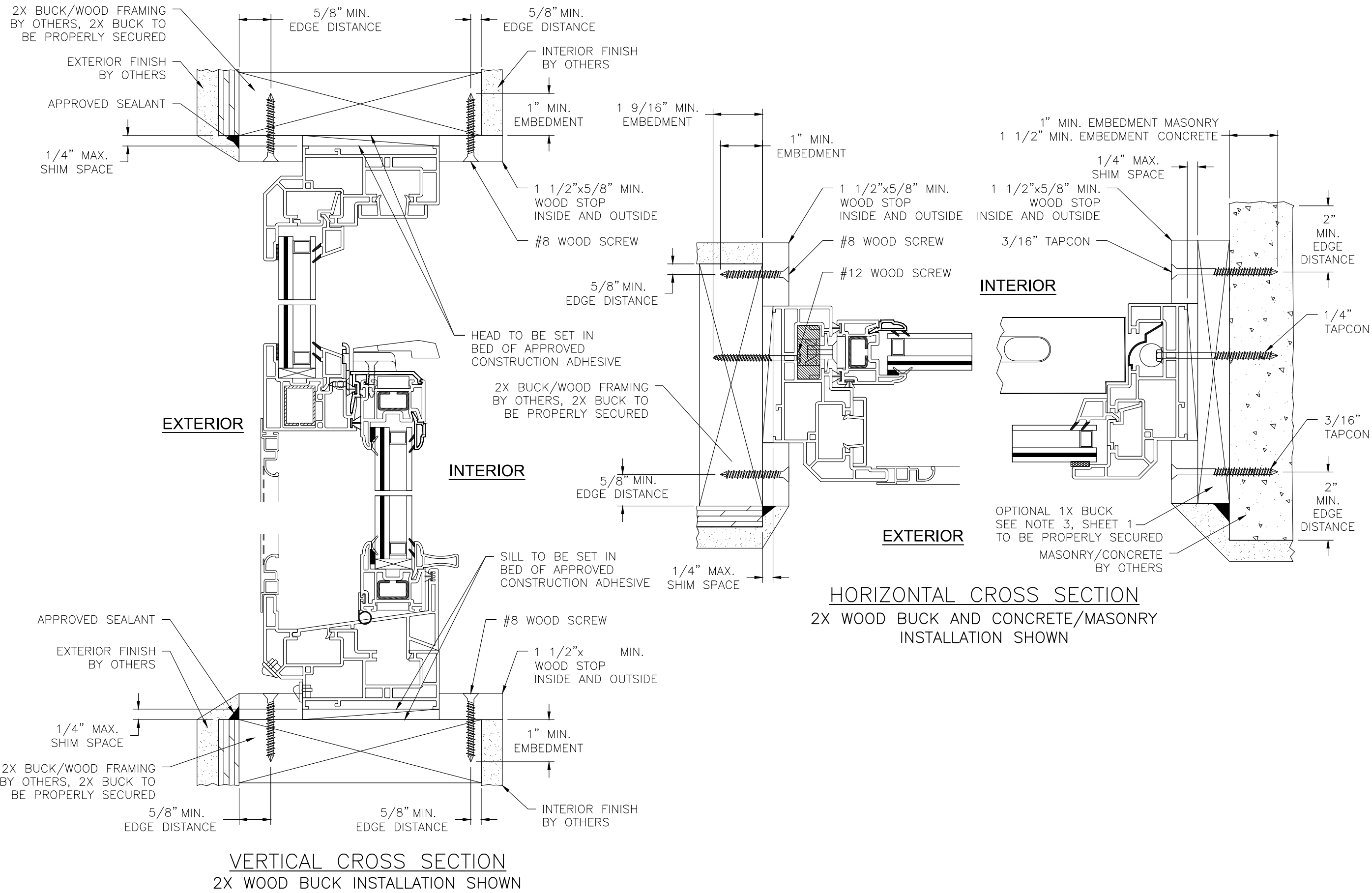
REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851		TITLE: SERIES 5100 IMPACT VINYL TILT SINGLE HUNG WINDOW ELEVATION, ANCHORING AND NOTES		DATE: 1/11/18		DRAWING NO: RPLS0065		SHEET: 1 OF 3	
PREPARED BY:		DRAWN BY: RJA		SCALE: N.T.S.		REV: ---			

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



Digitally signed
by Robert J
Amoruso
Date: 2018.02.02
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PTC Product Design Group, LLC
PO Box 520775
Longwood, FL 32752-0775
321-690-1788 info@ptc-corp.com
FBPE Certificate of Authorization
No. 25935



HORIZONTAL CROSS SECTION
2X WOOD BUCK AND CONCRETE/MASONRY
INSTALLATION SHOWN

VERTICAL CROSS SECTION
2X WOOD BUCK INSTALLATION SHOWN

PROJECT #417-0906					BY
					DATE
					DESCRIPTION
					REV

REGENCY PLUS, INC.
2000 LOCUST GAP HIGHWAY
MT. CARMEL, PA 17851

PREPARED BY:
RJA
N.T.S.

DATE: 1/11/18
DRAWING NO: RPLS0065
SHEET: 2 OF 3

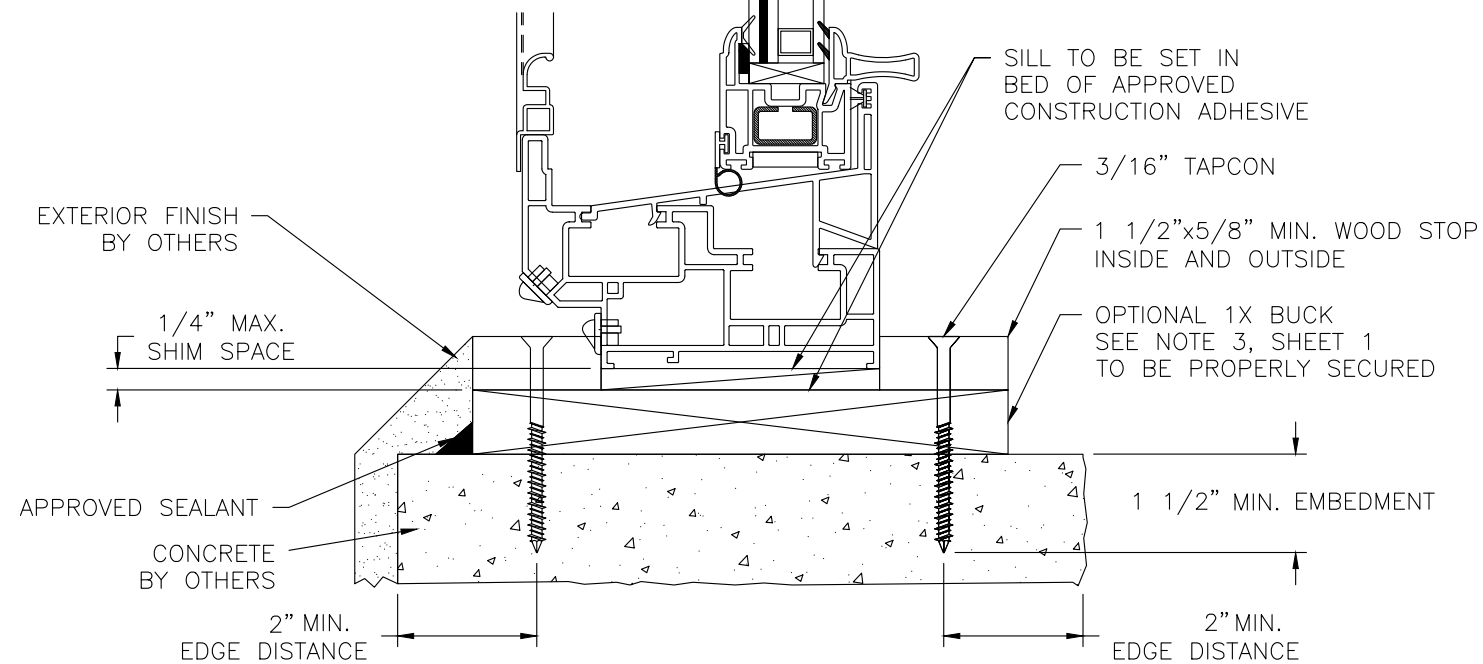
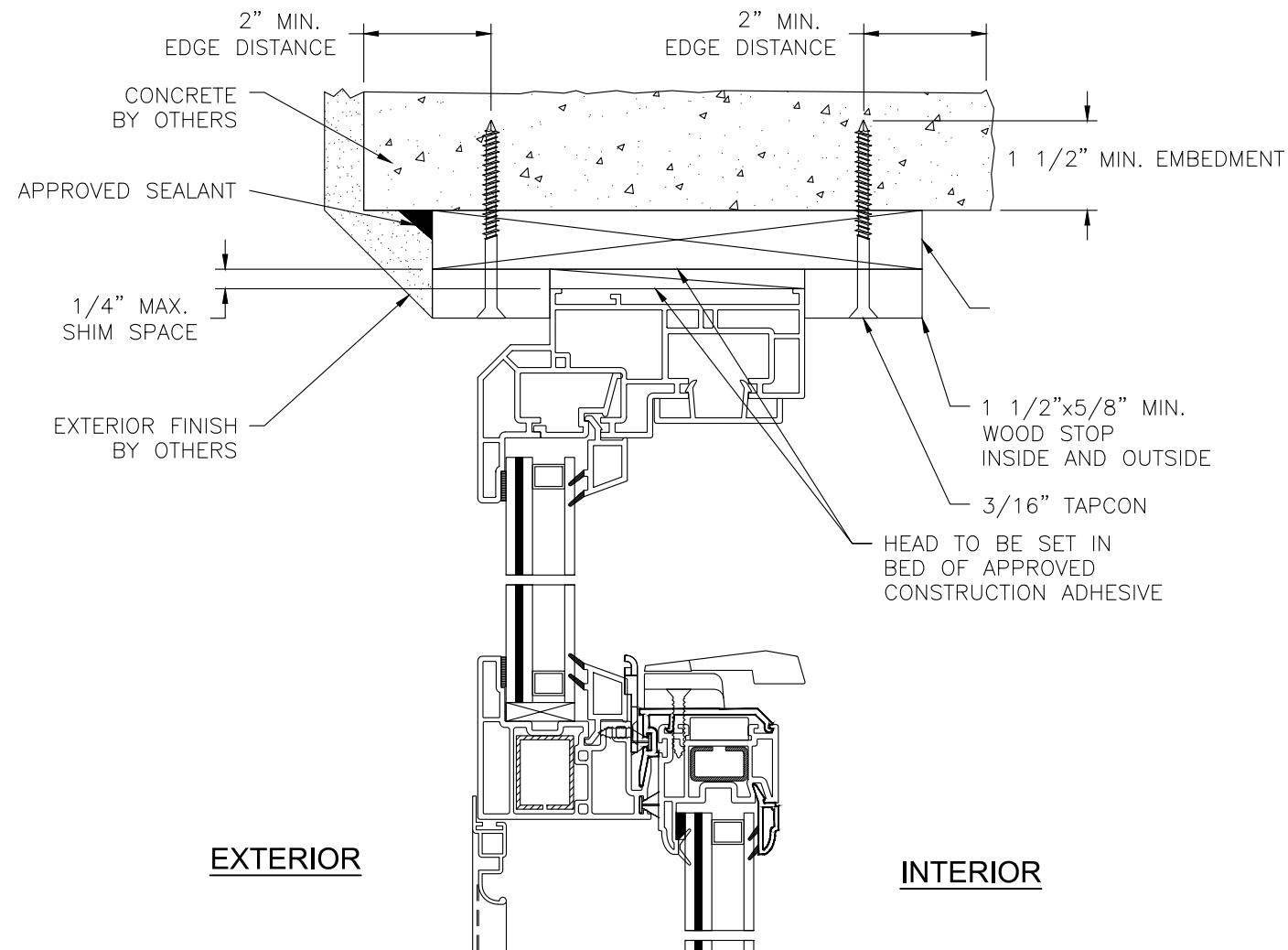
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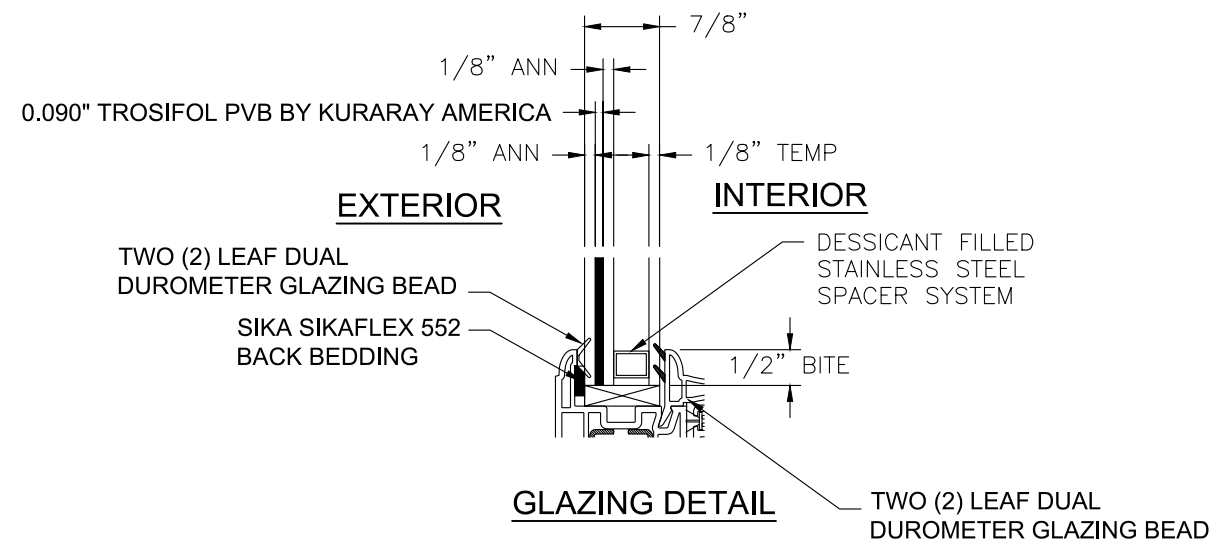
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VERTICAL CROSS SECTION
CONCRETE INSTALLATION SHOWN



PROJECT #417-0906

REGENCY PLUS, INC.

2000 LOCUST GAP HIGHWAY

MT. CARMEL, PA 17851

TITLE: SERIES 5100 IMPACT VINYL TILT SINGLE HUNG WINDOW

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PREPARED BY:



DRAWN BY: RJA

SCALE: N.T.S.

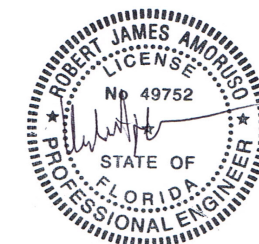
REV: ---

DATE: 1/11/18

DRAWING NO: RPLS00065

SHEET: 3 OF 3

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