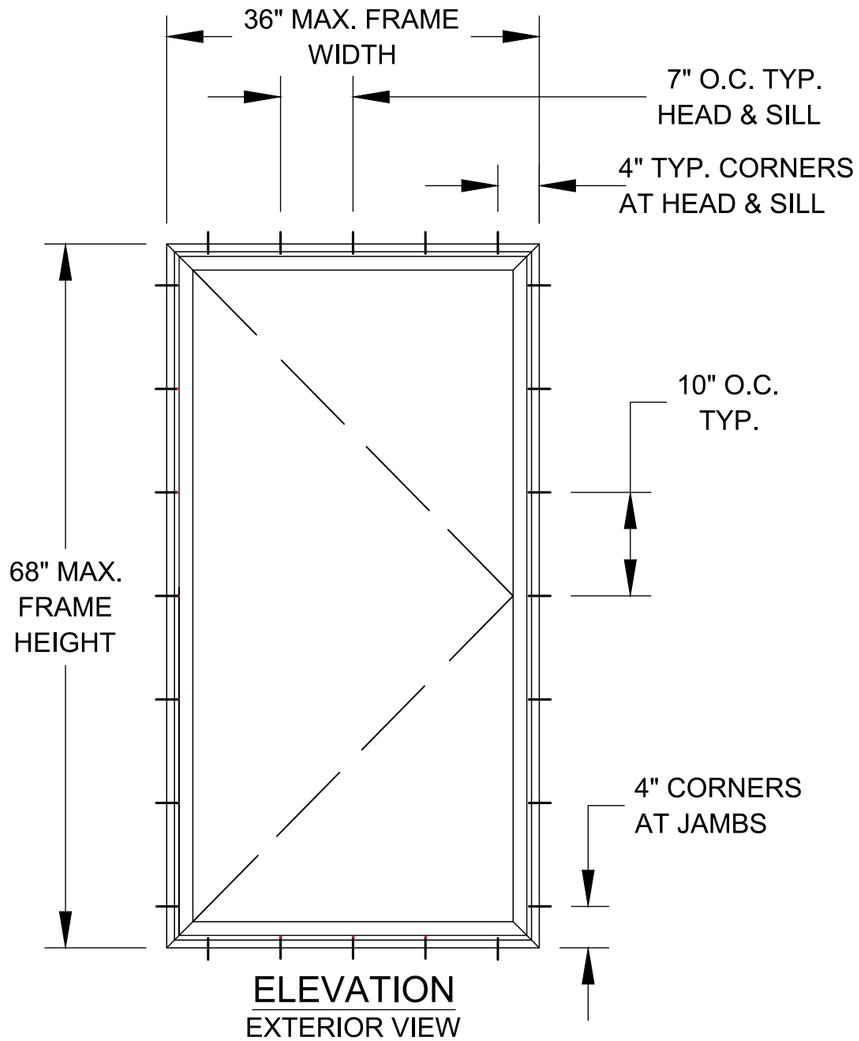
REGENCY PLUS, INC.

SERIES 5205 IMPACT VINYL CASEMENT WINDOW

INSTALLATION ANCHORAGE DETAILS



ELEVATION
EXTERIOR VIEW

VENT SIZE: 34.3125" x 66.1875"
D.L.O. SIZE: 29.125" X 61.125"

HARDWARE SCHEDULE	
A.	(1) SINGLE HANDLE 3-POINT LOCK ON LOCK JAMB
B.	(1) METAL KEEPER LOCK STILE AT LOCK LOCATIONS
C.	(1) STANDAR ROTO OPERATOR 9-3/8" FROM HINGE JAMB ON SILL
D.	METALSNUBBERS AT END OF HINGE JAMB
E.	GALVANIZED STEEL TUBE REINFORCEMENT AT LARGEST VENT HOLLOWS

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2. WOOD FRAMING, 2X WOOD BUCK, METAL 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. 1X BUCK OVER CONCRETE/MASONRY IS OPTIONAL. WHERE 1X BUCKS ARE USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME AND 1X BUCK INTO CONCRETE/MASONRY SUBSTRATE. WHERE 1X BUCK IS NOT USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME INTO CONCRETE/MASONRY SUBSTRATE. 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 TAS 201, TAS 202 AND TAS 203. SEE TEST REPORT NO. NCTL-110-9697-1 DATED 10/5/05 BY NATIONAL CERTIFIED TESTING LABORATORIES, YORK, PA FOR DETAILS.

5. MATERIAL:
   - 5.1. FRAME: EXTRUDED RIGID PVC.
   - 5.2. REINFORCEMENT: GALVANIZED STEEL TUBE - LARGEST HOLLOW OF ALL VENT MEMBERS.

6. GLAZING:
   - 6.1. GLAZING DETAIL AS TESTED: 7/8" NOMINAL O.A. IGU COMPRISED OF FROM EXTERIOR TO INTERIOR - LAMI LITE OF 1/8" ANNEALED GLASS x 0.090" KURARAY AMERICA TROSIFOL PVB INTERLAYER x 1/8" ANNEALED GLASS, DESICCANT STEEL SPACER, 1/8" TEMPERED SACRIFICIAL LITE. INTERIOR GLAZED WITH SIKA SIKAFLEX 552 BACK-BEDDING (OR EQUIVALENT), TWO (2) LEAF DUAL DUROMETER BACK-BEDDINGS AND A SNAP-IN TWO (2) LEAF DUAL DUROMETER GLAZING BEAD WITH 11/16" GLASS BITE.
   - 6.2. AS TESTED GLAZING MEETS ASTM E1300-09a FOR THE DESIGN CONDITIONS SHOWN IN THIS PRODUCT APPROVAL DOCUMENT.
   - 6.3. ALTERNATE GLAZING MEETING THE REQUIREMENTS OF AAMA/WDMA/CSA 101/I.S.2/A440 SHALL BE ALLOWED PER ASTM E1300.
   - 6.4. 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.

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 ANCHORING INTO CONCRETE/MASONRY USE 1/4" HEX HEAD TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO CONCRETE WITH 1 1/2" MINIMUM EDGE DISTANCE AND 1" MINIMUM EMBEDMENT INTO MASONRY WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

10. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #12 PAN HEAD WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 7/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

11. FOR ANCHORING INTO METAL STRUCTURE USE #12 PAN OR HEX HEAD SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL WITH 7/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

12. ALL FASTENERS TO BE CORROSION RESISTANT.

13. 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:
   - 13.1. WOOD - MINIMUM SPECIFIC GRAVITY OF (G) 0.42 (NON-HVHZ) AND 0.55 (HVHZ)
   - 13.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI
   - 13.3. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT WITH DENSITY > 117 PCF
   - 13.4. METAL STRUCTURE: STEEL 18GA (0.0428"), 33KSI OR ALUMINUM 6063-T5 0.048" THICK MINIMUM

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

DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+55.0/-55.0	LARGE AND SMALL MISSILE IMPACT

HVHZ AND WIND ZONE 4, MISSILE LEVEL D

PROJECT #417-0906

REV	DESCRIPTION	DATE	BY
C	UPDATE TO CURRENT EDITION OF FBC	1/22/18	RJA

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

TITLE: SERIES 5205 IMPACT VINYL CASEMENT WINDOW ELEVATION, ANCHORING AND NOTES

PREPARED BY: PTC

DRAWN BY: RJA
DATE: 1/11/18
SCALE: N.T.S.
DRAWING NO: RPLS0052
REV: C
SHEET: 1 OF 2

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

ROBERT JAMES AMORUSO LICENSE No 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Robert J Amoruso
Date: 2018.02.02 13:34:15 -05'00'

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PO Box 520775
Longwood, FL 32752-0775
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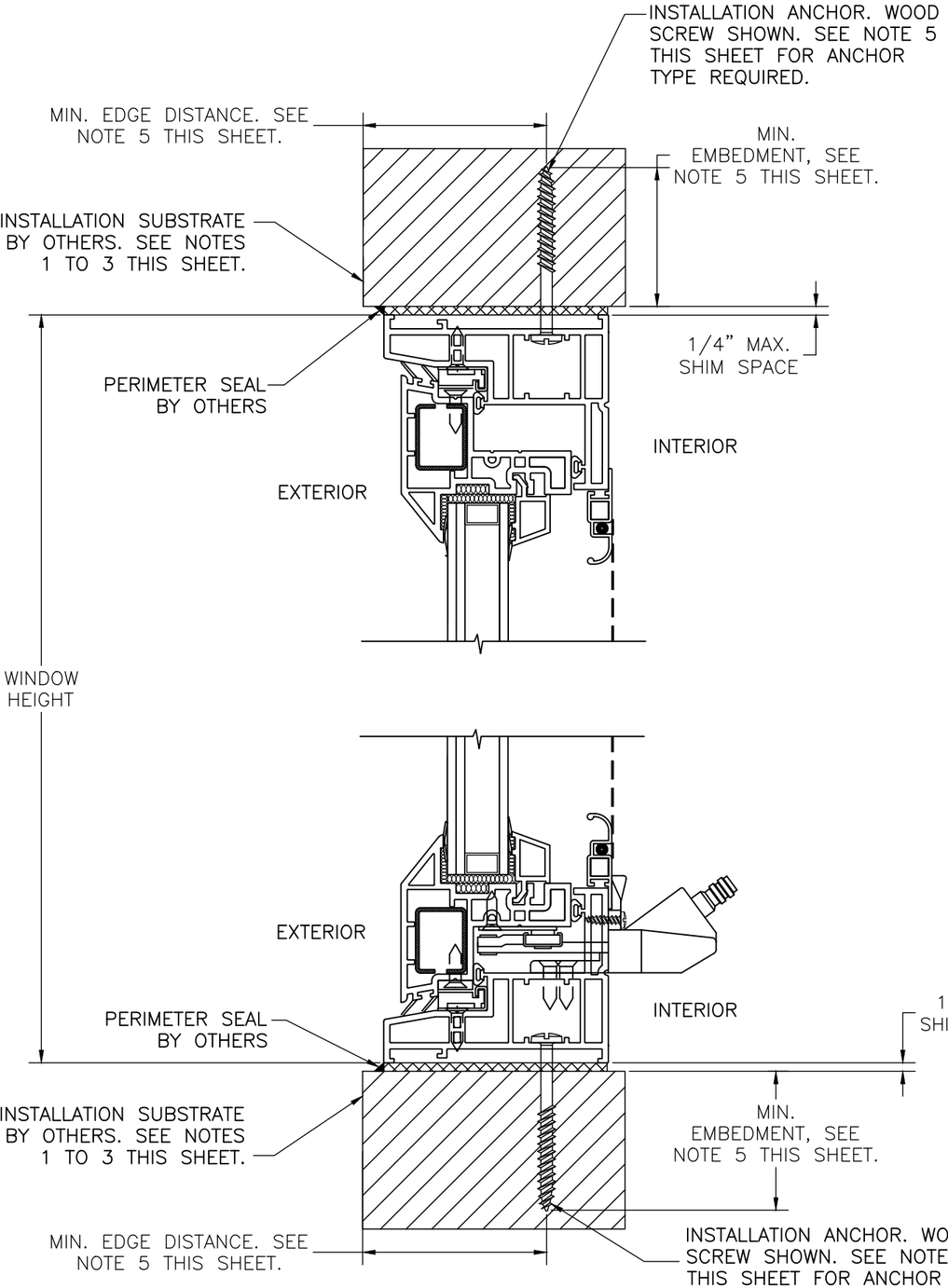
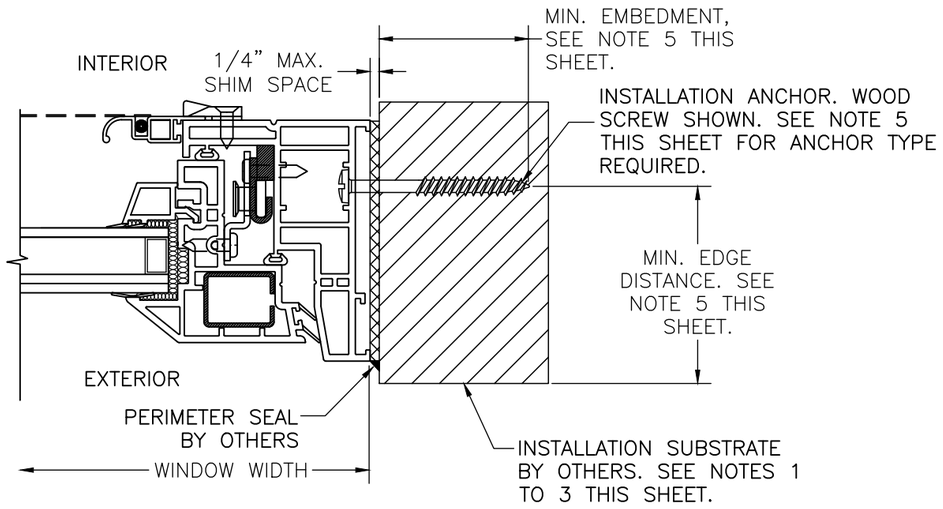
FBPE Certificate of Authorization No. 25935



VERTICAL CROSS SECTION

WOOD FRAMING, 2X WOOD BUCK, CONCRETE/MASONRY OR METAL FRAME APPROVED



HORIZONTAL (JAMB) CROSS SECTION

WOOD FRAMING, 2X WOOD BUCK, CONCRETE/MASONRY OR METAL FRAME APPROVED

INSTALLATION NOTES:

1. APPROVED INSTALLATION SUBSTRATES INCLUDE THE FOLLOWING:
   - 1.1. WOOD FRAMING,
   - 1.2. 2X WOOD BUCK,
   - 1.3. METAL FRAMING, AND
   - 1.4. CONCRETE AND/OR MASONRY
2. SUBSTRATE 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. 1X BUCK OVER CONCRETE/MASONRY IS OPTIONAL. WHERE 1X BUCKS ARE USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME AND 1X BUCK INTO CONCRETE/MASONRY SUBSTRATE. WHERE 1X BUCK IS NOT USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME INTO CONCRETE/MASONRY SUBSTRATE. 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. 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".
5. SUBSTRATE ANCHORING METHODS:
   - 5.1. FOR ANCHORING INTO CONCRETE/MASONRY USE 1/4" HEX HEAD TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO CONCRETE WITH 1 1/2" MINIMUM EDGE DISTANCE AND 1" MINIMUM EMBEDMENT INTO MASONRY WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.
   - 5.2. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #12 PAN HEAD WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 7/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.
   - 5.3. FOR ANCHORING INTO METAL STRUCTURE USE #12 PAN OR HEX HEAD SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL WITH 7/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.
6. INTERIOR AND EXTERIOR FINISHES BY OTHERS. NOT SHOWN FOR CLARITY.
7. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED AND/OR SPECIFIED IN ACCORDANCE WITH ASTM E2112.

BY	DATE	DESCRIPTION	REV
RJA	1/22/18	UPDATE TO CURRENT EDITION OF FBC	C

PROJECT #417-0906

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

TITLE: SERIES 5205 IMPACT VINYL CASEMENT WINDOW INSTALLATION DETAILS

PREPARED BY: PTC

DRAWN BY:	DATE:	SHEET:
RJA	1/11/18	2 OF 2

SCALE:	DRAWING NO:	REV:
N.T.S.	RPLS0052	C

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Date: 2018.02.02 13:34:28 -05'00'

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