

# REGENCY PLUS, INC.

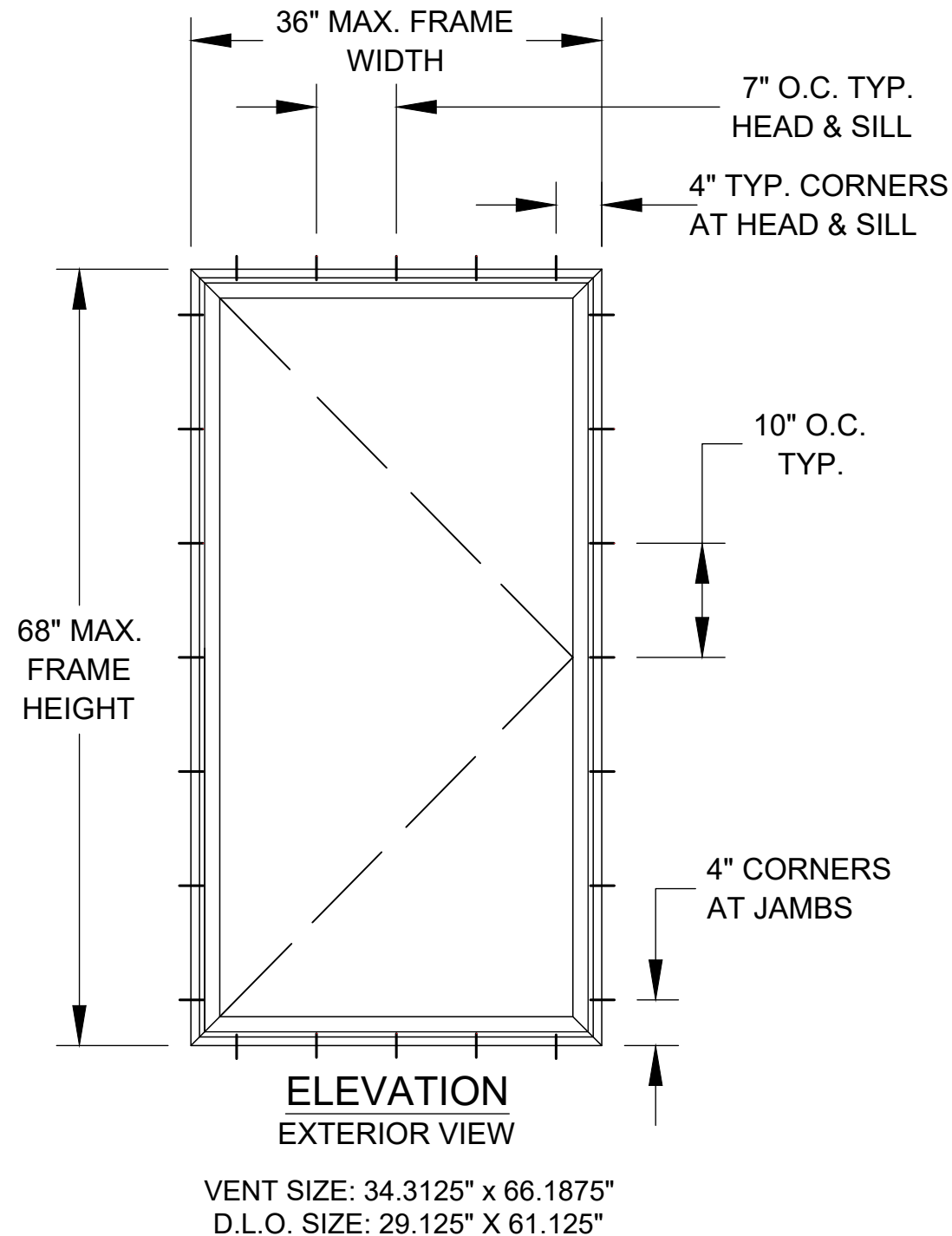
## SERIES 5205 IMPACT VINYL CASEMENT WINDOW

### INSTALLATION ANCHORAGE DETAILS

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.

#### NOTES:

- THE PRODUCT SHOWN HEREIN IS TESTED AND DESIGNED TO COMPLY WITH REQUIREMENTS OF THE 9TH EDITION (2026) FLORIDA BUILDING CODE, BUILDING AND RESIDENTIAL VOLUMES EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 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.
- 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.
- 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, SIGNED AND SEALED BY HOWARD RUPP, P.E., BY NATIONAL CERTIFIED TESTING LABORATORIES, YORK, PA.
- MATERIAL:
  - FRAME: EXTRUDED RIGID PVC BY VISION EXTRUSIONS GROUP LIMITED PER CURRENT MIAMI-DADE NOA.
  - LAMINATED GLAZING INTERLAYER: KURARAY AMERICA TROSIFOL PVB INTERLAYER PER CURRENT MIAMI-DADE NOA.
  - REINFORCEMENT: GALVANIZED STEEL TUBE - LARGEST HOLLOW OF ALL VENT MEMBERS.
- GLAZING:
  - 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, CARDINAL XL EDGE STAINLESS STEEL SPACER (TYPE SS-D), 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.
  - AS TESTED GLAZING MEETS ASTM E1300-24 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.
- 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 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.
- 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.
- 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.
- 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.
- 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 OF (G) 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
  - METAL STRUCTURE: STEEL 18GA (0.0428"), 33KSI OR ALUMINUM 6063-T5 0.048" THICK MINIMUM



| 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 HOLLOW |

| 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 No. ACE-2025-131

REGENCY PLUS, INC.

2000 LOCUST GAP HIGHWAY

MT. CARMEL, PA 17851

TITLE: SERIES 5205 IMPACT VINYL CASEMENT WINDOW

ELEVATION, ANCHORING AND NOTES

DRAWN BY: RJA

DATE: 1/11/18

SCALE: N.T.S.

DRAWING NO: RPLS0052

REV: D

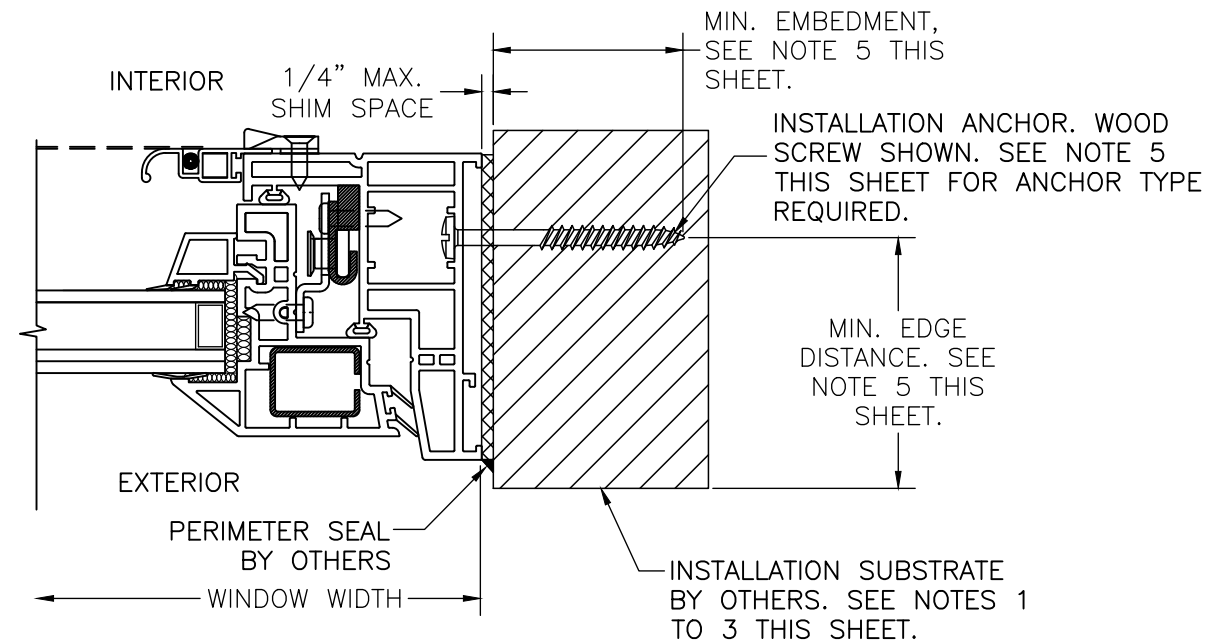
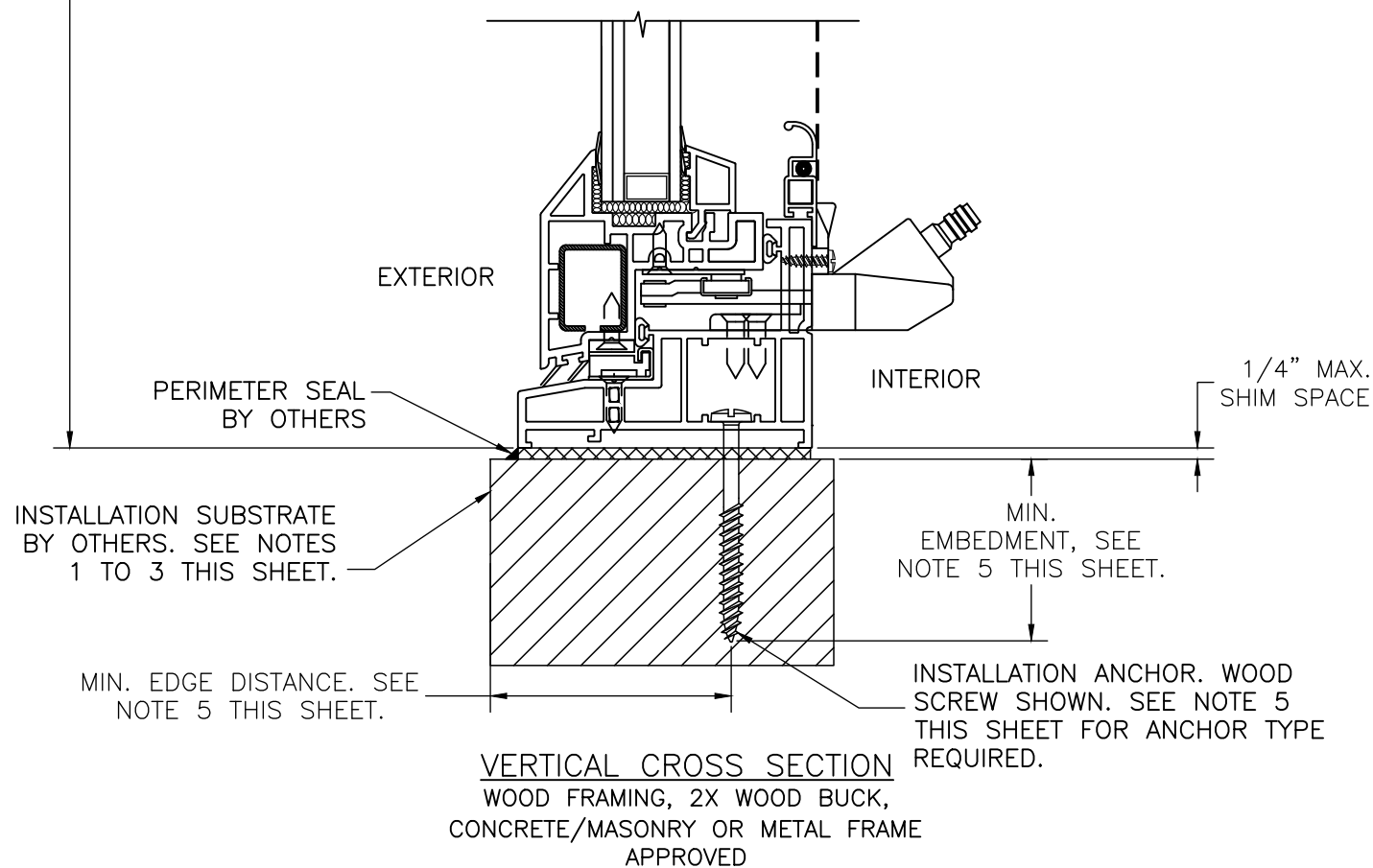
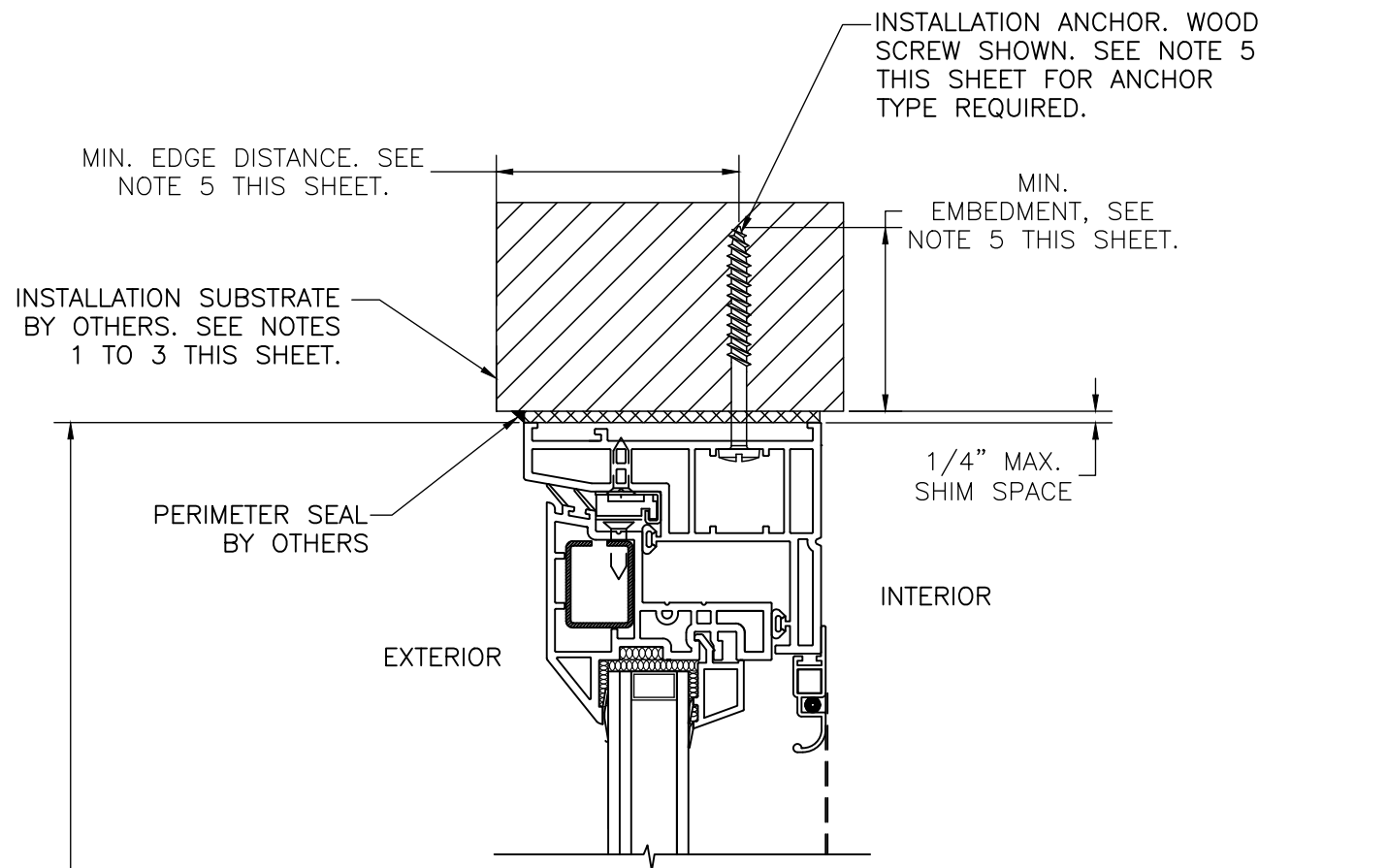
SHEET: 1 OF 2

Robert J. Amoruso, P.E.

Florida P.E. No. 49752

Digitally signed by Robert J Amoruso

Date: 2026.08.24 14:48:05 -04'00'



**HORIZONTAL (JAMB) CROSS SECTION**  
WOOD FRAMING, 2X WOOD BUCK,  
CONCRETE/MASONRY OR METAL FRAME  
APPROVED

**INSTALLATION NOTES:**

- APPROVED INSTALLATION SUBSTRATES INCLUDE THE FOLLOWING:
  - WOOD FRAMING,
  - 2X WOOD BUCK,
  - METAL FRAMING, AND
  - CONCRETE AND/OR MASONRY
- 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.
- 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.
- 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".
- SUBSTRATE ANCHORING METHODS:
  - 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.
  - 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.
  - 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.
- INTERIOR AND EXTERIOR FINISHES BY OTHERS. NOT SHOWN FOR CLARITY.
- PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED AND/OR SPECIFIED IN ACCORDANCE WITH ASTM E2112.

|                          |   |                                  |         |         |             |
|--------------------------|---|----------------------------------|---------|---------|-------------|
| PROJECT No. ACE-2025-131 |   |                                  |         |         |             |
|                          |   |                                  | RJA     | RJA     | BY          |
|                          |   | 2026 FBC UPDATE                  | 7/28/26 | 1/22/18 | DATE        |
|                          | D | UPDATE TO CURRENT EDITION OF FBC | C       | REV     | DESCRIPTION |

|                                                                                                                                       |  |                                                                  |  |                                                           |  |
|---------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------|--|-----------------------------------------------------------|--|
| REGENCY PLUS, INC.<br>2000 LOCUST GAP HIGHWAY<br>MT. CARMEL, PA 17851                                                                 |  | SERIES 5205 IMPACT VINYL CASEMENT WINDOW<br>INSTALLATION DETAILS |  | DRAWN BY: RJA<br>DATE: 1/11/18<br>SCALE: N.T.S.<br>REV: D |  |
| AMORUSO CONSULTING ENG., LLC<br>FBPE REGISTRATION NO. 38327<br>226 N NOVA RD, NO. 142<br>ORMOND BEACH, FL 32174<br>RJAENGPE@GMAIL.COM |  | DRAFTING NO: RPLS0052                                            |  | SHEET: 2 OF 2                                             |  |

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



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by Robert J  
Amoruso  
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