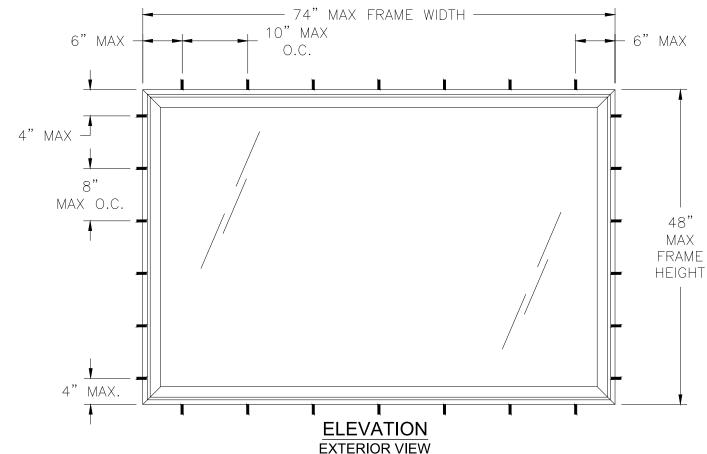
REGENCY PLUS, INC. SERIES 5110 IMPACT VINYL FIXED WINDOW INSTALLATION ANCHORAGE DETAILS

NOTES:

- 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.
- 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 THE FOLLOWING BY NATIONAL CERTIFIED TESTING LABORATORIES, YORK, PA AND SIGNED AND SEALED BY ROBERT H. ZEIDERS, P.E.
- 4.1. NCTL-110-14747-1 DATED 4/12/12 TO TAS 201, TAS 202 AND TAS 203.
- .2. NCTL-110-14747-2 DATED 4/12/12 TO ASTM E1886-05 AND ASTM E1996-02/06/09.
- MATERIAL:
- 5.1. FRAME: EXTRUDED RIGID PVC.

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, 5/32" TEMPERED SACRIFICIAL LITE. INTERIOR GLAZED WITH SIKA SIKAFLEX 552 BACK-BEDDING (OR EQUIVALENT)
 AND A SNAP-IN TWO (2) LEAF DUAL DUROMETER RIGID VINYL GLAZING BEAD AND 9/16" 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.
- . 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".
- 9. FOR ANCHORING INTO CONCRETE/MASONRY USE 3/16" HEX HEAD TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO CONCRETE WITH 1 1/8" 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 #10 PAN HEAD WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 3/4" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.
- 11. FOR ANCHORING INTO METAL STRUCTURE USE #10 PAN OR HEX HEAD SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL WITH 3/4" 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 (G) OF 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



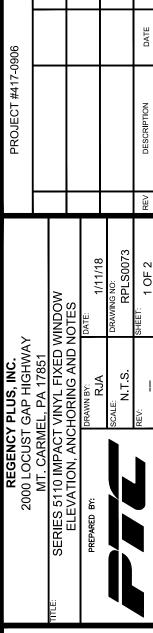
NOTEO

1. MAXIMUM D.L.O.: 68-1/2" X 42-5/8".

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SHEET	DESCRIPTION
1	ELEVATION, ANCHORING AND NOTES
2	INSTALLATION DETAILS

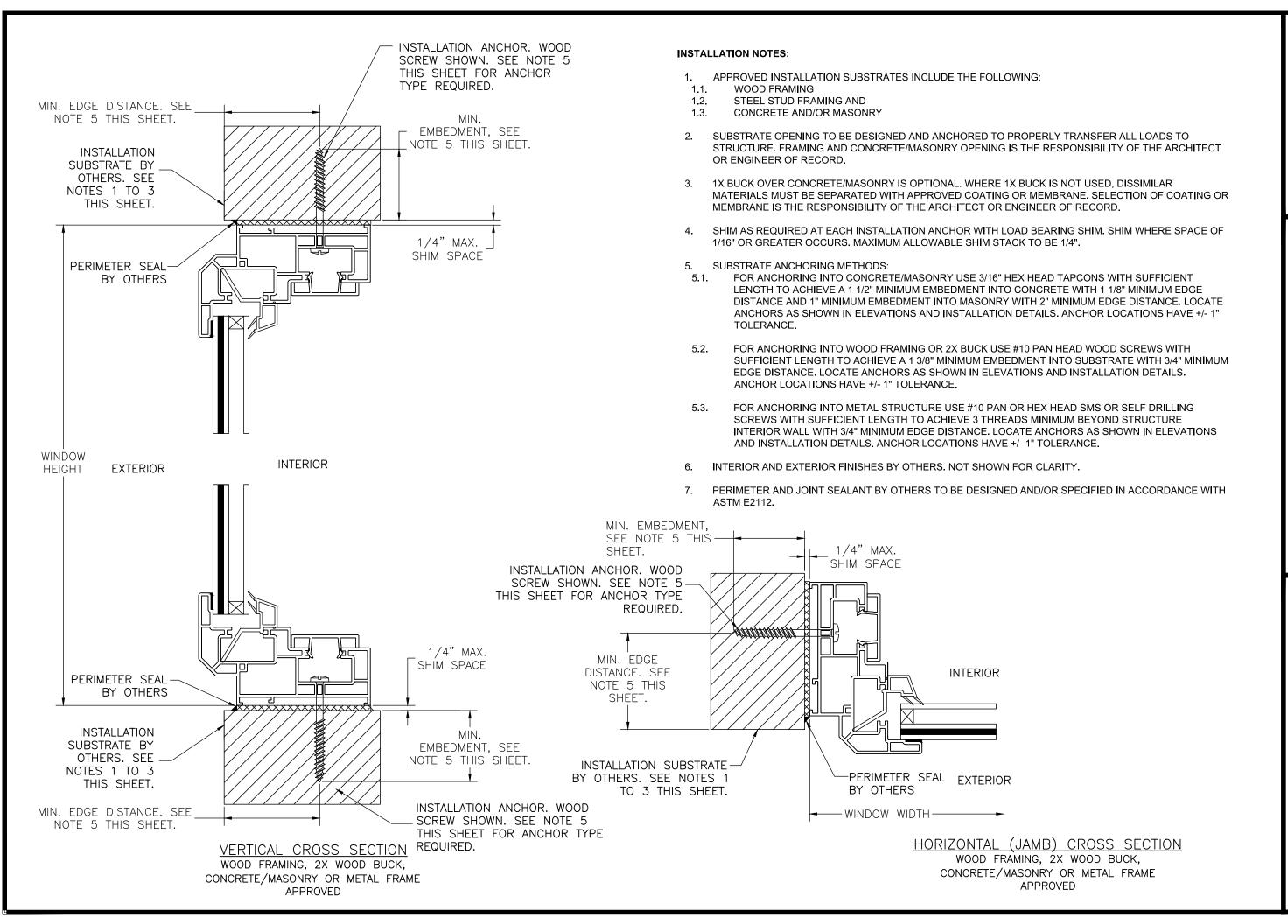
DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+55.0/-65.0	LARGE AND SMALL MISSILE IMPACT

HVHZ AND WIND ZONE 4, MISSILE LEVEL D



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

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#417-0906 **PROJECT** SERIES 5110 II

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