



Product Approval
USER: Public User

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FL #
Application Type
Code Version
Application Status

FL11409-R12
Revision
2020
Approved

11409.1

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments
Archived



Product Manufacturer
Address/Phone/Email

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Authorized Signature

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Quality Assurance Representative
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Category
Subcategory

Windows
Fixed

Compliance Method

Certification Mark or Listing

Certification Agency
Validated By

National Accreditation & Management Institute
National Accreditation & Management Institute

Referenced Standard and Year (of Standard)

<u>Standard</u>	<u>Year</u>
AAMA/WDMA/CSA 101/I.S.2/A440	2008
AAMA/WDMA/CSA 101/I.S.2/A440	2011
ASTM E1886	2012
ASTM E1996	12a
TAS 201	1994
TAS 202	1994
TAS 203	1994

Equivalence of Product Standards
Certified By

Florida Licensed Professional Engineer or Architect
FL11409 R12 Equiv EERN02518 Rev2 FL11409 3000-4000 5105 5108 5110 6613 7713 F ss.pdf

Product Approval Method

Method 1 Option A

Date Submitted

11/06/2020

Date Validated

11/06/2020

Date Pending FBC Approval

Date Approved

11/15/2020

Summary of Products

FL #	Model, Number or Name	Description
11409.1	Series 3000/4000	Series 3000/4000 Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +70/-70 Other:		Certification Agency Certificate FL11409 R12 C CAC NI006320-R7.pdf Quality Assurance Contract Expiration Date 12/31/2021 Installation Instructions FL11409 R12 II RPLS0053 RevA 3000-4000 F ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL11409 R12 AE PERNo2518 Rev2 FL11409 3000-4000 5105 5108 5110 6613 7713 F ss.pdf Created by Independent Third Party: Yes
11409.2	Series 5105	Series 5105 Impact Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +55/-55 Other:		Certification Agency Certificate FL11409 R12 C CAC NI006317.01.pdf Quality Assurance Contract Expiration Date 09/30/2021 Installation Instructions FL11409 R12 II RPLS0054 RevA 5105 F ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL11409 R12 AE PERNo2518 Rev2 FL11409 3000-4000 5105 5108 5110 6613 7713 F ss.pdf Created by Independent Third Party: Yes
11409.3	Series 5108	Series 5108 Impact Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +55/-55 Other:		Certification Agency Certificate FL11409 R12 C CAC NI009490-R5.pdf Quality Assurance Contract Expiration Date 05/31/2027 Installation Instructions FL11409 R12 II RPLS0059 RevA 5108 F ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL11409 R12 AE PERNo2518 Rev2 FL11409 3000-4000 5105 5108 5110 6613 7713 F ss.pdf Created by Independent Third Party: Yes
11409.4	Series 5110	Series 5110 Impact Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +55/-65 Other:		Certification Agency Certificate FL11409 R12 C CAC NI011103-R3.pdf Quality Assurance Contract Expiration Date 04/30/2027 Installation Instructions FL11409 R12 II RPLS0073 Rev0 5110 F ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL11409 R12 AE PERNo2518 Rev2 FL11409 3000-4000 5105 5108 5110 6613 7713 F ss.pdf Created by Independent Third Party: Yes
11409.5	Series 6613	Series 6613 Impact Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes		Certification Agency Certificate FL11409 R12 C CAC NI011688-R3.pdf Quality Assurance Contract Expiration Date

REGENCY PLUS, INC.

SERIES 3000/4000 VINYL FIXED WINDOW

INSTALLATION ANCHORAGE DETAILS

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. WINDOW 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 AAMA/NWDA 101/11.S.2-97. SEE TEST REPORT NO. NCTL-210-2747-1 DATED 1/7/02 BY NATIONAL CERTIFIED TESTING LABORATORIES, ORLANDO, FL FOR DETAILS.
5. MATERIAL:
 - 5.1. FRAME: EXTRUDED RIGID PVC.
6. GLAZING:
 - 6.1. GLAZING DETAIL AS TESTED: 7/8" NOMINAL O.A. IGU COMPRISED OF 2 LITES OF 1/8" TEMPERED GLASS AND STEEL SPACER. PANEL INTERIOR GLAZED USING SEALED INSULATING GLASS WITH A FOAM TAPE BACK BEDDING AND A SNAP-IN DOUBLE LEAFED DUAL DUROMETER RIGID VINYL GLAZING BEAD.
 - 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 101/11.S.2/440 SHALL BE ALLOWED PER ASTM E1300.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS 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 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 OF (G) 0.42 (NON-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 CONTENTS	
SHEET	DESCRIPTION
1	NOTES
2	ELEVATION & ANCHORING
3	INSTALLATION DETAILS

PROJECT #417-0906

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

PREPARED BY: RJA
DATE: 1/11/18
SCALE: N.T.S.
SHEET: 1 OF 3

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

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



Digitally signed
by Robert J
Amoruso
Date: 2018.02.02
13:28:13 -05'00'

PTC Product Design Group, LLC
PO Box 520775
Longwood, FL 32752-0775
321-490-1788 info@ptc-corp.com
FBPE Certificate of Authorization
No. 23535



DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+70.0/-70.0	NONE

NOTES:

- MAXIMUM D.L.O.: 79" X 47"

		PREPARED BY: RJA SCALE: N.T.S. REV: A		SHEET: 2 OF 3	
TITLE: SERIES 3000/4000 VINYL FIXED WINDOW MT. CARMEL, PA 17851 2000 LOCUST GAP HIGHWAY REGENCY PLUS, INC.		DRAWN BY: RJA DATE: 1/11/18		DRAWING NO: RPLS0053	
PROJECT #417-0906		A		UPDATE TO CURRENT EDITION OF FBC	
DATE: 1/22/18		DESCRIPTION:		REV:	

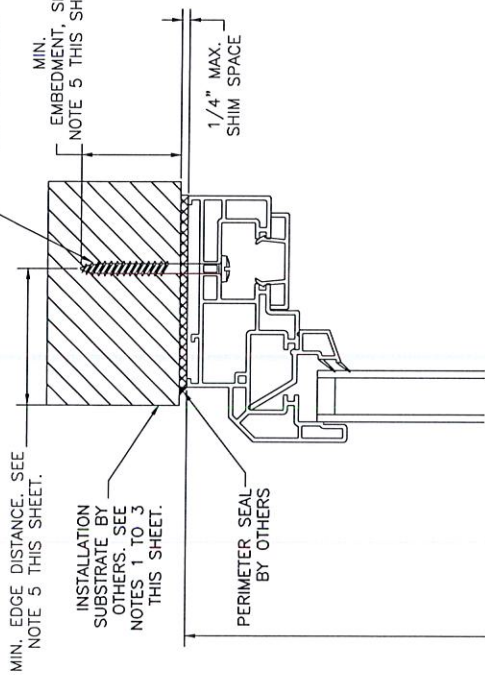
Robert J. Amoroso, P.E.
Florida P.E. No. 49752



Digitally signed
by Robert J
Amoruso
Date: 2018.02.02
13:28:27 -05'00'

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

INSTALLATION ANCHOR, WOOD
SCREW SHOWN, SEE NOTE 5
THIS SHEET FOR ANCHOR
TYPE REQUIRED.



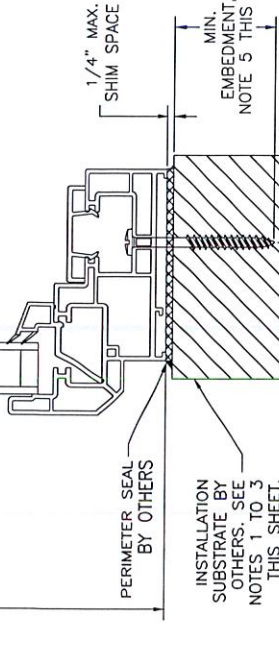
WINDOW
HEIGHT

EXTERIOR

INTERIOR

MIN. EMBEDMENT,
SEE NOTE 5 THIS
SHEET.

INSTALLATION ANCHOR, WOOD
SCREW SHOWN, SEE NOTE 5
THIS SHEET FOR ANCHOR TYPE
REQUIRED.



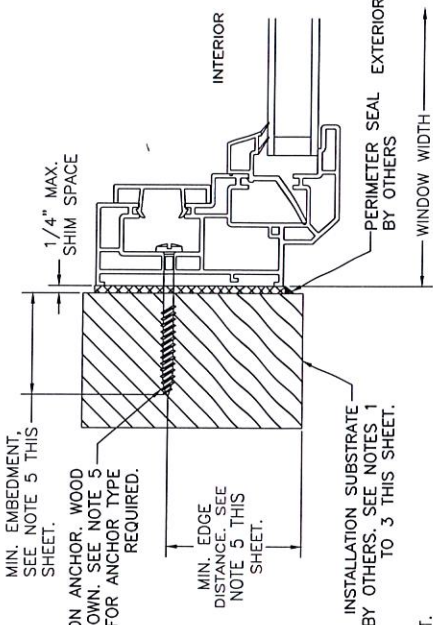
MIN. EDGE DISTANCE, SEE
NOTE 5 THIS SHEET.

INSTALLATION ANCHOR, WOOD
SCREW SHOWN, SEE NOTE 5
THIS SHEET FOR ANCHOR TYPE
REQUIRED.

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

INSTALLATION NOTES:

- APPROVED INSTALLATION SUBSTRATES INCLUDE THE FOLLOWING:
 - WOOD FRAMING
 - STEEL STUD 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 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.
- 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 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.
 - 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.
 - 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.
- 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.



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

PROJECT #417-0906	DATE	DATE	DATE
1/22/18	1/22/18	1/22/18	1/22/18
DESCRIPTION	EDITION OF FBC	EDITION OF FBC	EDITION OF FBC
REV	DATE	DATE	DATE
A	UPDATE TO CURRENT	UPDATE TO CURRENT	UPDATE TO CURRENT

REV	DATE	DATE	DATE
3 OF 3	1/11/18	1/11/18	1/11/18
DESCRIPTION	EDITION OF FBC	EDITION OF FBC	EDITION OF FBC
REV	DATE	DATE	DATE
A	UPDATE TO CURRENT	UPDATE TO CURRENT	UPDATE TO CURRENT

REGENCY PLUS, INC.
2000 LOCUST GAP HIGHWAY
MT. CARMEL, PA 17851
SERIES 3000/4000 VINYL FIXED WINDOW
INSTALLATION DETAILS
PREPARED BY: PTC
SCALE: RJA
N.T.S.
SHEET: 3 OF 3

Robert J. Amoroso, P.E.
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Digitally signed
by Robert J
Amoroso
Date: 2018.02.02
13:28:37 -05'00'