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Product Approval
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FL #	FL11409-R14
Application Type	Revision
Code Version	2023
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	Regency Plus Inc
Address/Phone/Email	2000 Locust Gap Highway Mount Carmel, PA 17851 (570) 339-3374 tony@cwbyrpi.com
Authorized Signature	Tony Procopio tony@cwbyrpi.com
Technical Representative	Tony Procopio
Address/Phone/Email	2000 Locust Gap Hwy Mount Carmel, PA 17851 (570) 339-3374 tony@cwbyrpi.com
Quality Assurance Representative	Joe Korzeniecki
Address/Phone/Email	2000 Locust Gap Hwy. Mount Carmel, PA 17851 (570) 339-3374 joek@window-pros.info
Category	Windows
Subcategory	Fixed
Compliance Method	Certification Mark or Listing
Certification Agency	National Accreditation & Management Institute
Validated By	National Accreditation & Management Institute

Referenced Standard and Year (of Standard)	<u>Standard</u>	<u>Year</u>
	AAMA/WDMA/CSA 101/1.S.2/A440	2008
	AAMA/WDMA/CSA 101/1.S.2/A440	2011
	ASTM E1886	13a
	ASTM E1996	14a
	TAS 201	1994
	TAS 202	1994
	TAS 203	1994

Equivalence of Product Standards
Certified By

Florida Licensed Professional Engineer or Architect
[FL11409 R14 Equiv EERNo2518 Rev3 FL11409 3000-4000 5105 5108 5110 6613 7713 F ss.pdf](#)

Impact Resistant: Yes Design Pressure: +55/-55 Other:		10/31/2027 Installation Instructions FL11409 R14 II RPLS0074 Rev0 6613 F ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL11409 R14 AE PERNo2518 Rev3 FL11409 3000-4000 5105 5108 5110 6613 7713 F ss.pdf Created by Independent Third Party: Yes
11409.6	Series 7113	Series 7113 Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50.0/-50.0 Other:		Certification Agency Certificate FL11409 R14 C CAC NI011585-R3.pdf Quality Assurance Contract Expiration Date 04/30/2027 Installation Instructions FL11409 R14 II RPLS0075 Rev0 7113 F ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL11409 R14 AE PERNo2518 Rev3 FL11409 3000-4000 5105 5108 5110 6613 7713 F ss.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:



Credit Card
Safe

securityMETRICS

Product Approval Method

Method 1 Option A

Date Submitted

09/04/2023

Date Validated

09/05/2023

Date Pending FBC Approval

Date Approved

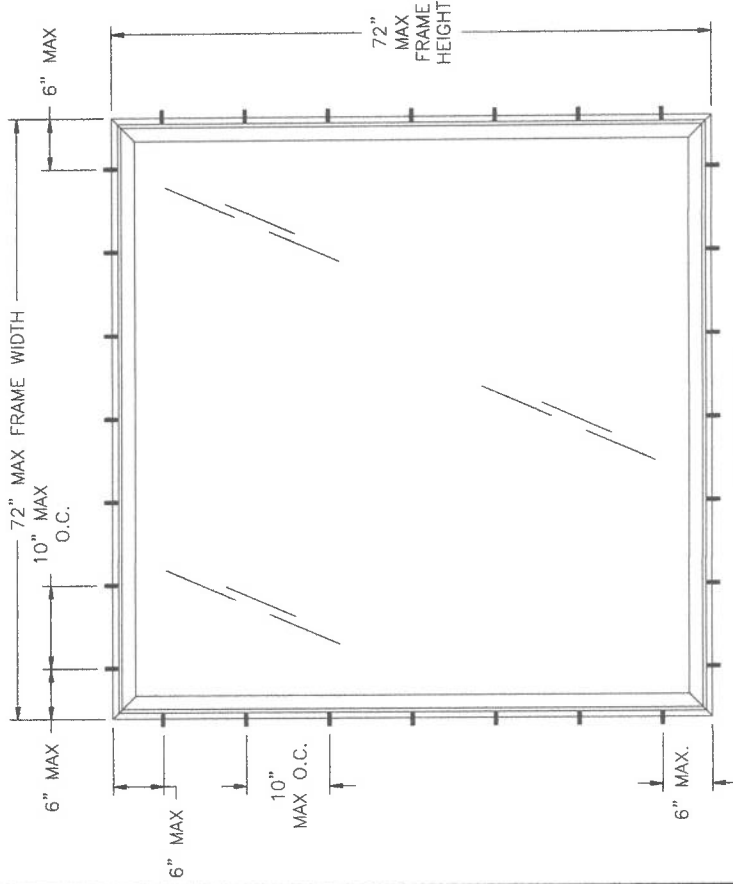
09/10/2023

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 R14 C CAC NI006320-R9.pdf Quality Assurance Contract Expiration Date 12/31/2027 Installation Instructions FL11409 R14 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 R14 AE PERNo2518 Rev3 FL11409 3000-4000 5105 5108 5110 6613 7713 F ss.pdf Created by Independent Third Party: Yes
X 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 R14 C CAC NI006317.01-R2.pdf Quality Assurance Contract Expiration Date 09/30/2027 Installation Instructions FL11409 R14 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 R14 AE PERNo2518 Rev3 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 R14 C CAC NI009490-R5.pdf Quality Assurance Contract Expiration Date 05/31/2027 Installation Instructions FL11409 R14 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 R14 AE PERNo2518 Rev3 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 R14 C CAC NI011103-R3.pdf Quality Assurance Contract Expiration Date 04/30/2027 Installation Instructions FL11409 R14 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 R14 AE PERNo2518 Rev3 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 R14 C CAC NI011688-R3.pdf Quality Assurance Contract Expiration Date

REGENCY PLUS, INC.

SERIES 5105 IMPACT VINYL FIXED WINDOW INSTALLATION ANCHORAGE DETAILS



ELEVATION
EXTERIOR VIEW

NOTES:
1. MAXIMUM D.L.O.: 66" X 66".

TABLE OF CONTENT	
SHEET	DESCRIPTION
1	ELEVATION, ANCHORING AND NOTES
2	INSTALLATION DETAILS
DESIGN PRESSURE RATING (PSF)	
+55.0/-55.0	
IMPACT RATING	
LARGE AND SMALL MISSILE IMPACT	

HVHZ AND WIND ZONE 4, MISSILE LEVEL D

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).
- 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-110-9689-1 DATED 10/5/05, SIGNED AND SEALED BY HOWARD E. RUPP, P.E. BY NATIONAL CERTIFIED TESTING LABORATORIES, YORK, PA FOR DETAILS.
- MATERIAL:
5.1. FRAME: EXTRUDED RIGID PVC.
- GLAZING:
6.1. GLAZING DETAIL AS TESTED: 16/16" NOMINAL O.A. IGU COMPRISED OF FROM EXTERIOR TO INTERIOR - LAMI LITE OF 3/16" ANNEALED GLASS x 0.100" EASTMAN CHEMICAL SAFLEX PVB INTERLAYER x 3/16" ANNEALED GLASS. DESICCANT STEEL SPACER, 13/16" TEMPERED SACRIFICIAL LITE. INTERIOR GLAZED WITH SIKKA SIKAFLEX 952 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/NDMA/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 80 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 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.
- 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:
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

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

PROJECT #417-0906	REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851	SERIES 5105 IMPACT VINYL FIXED WINDOW ELEVATION, ANCHORING AND NOTES	DATE: 1/11/18 DRAWING NO: RPLS0054 SHEET: 1 OF 2
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Robert J. Amoroso, P.E.
Florida P.E. No. 48752

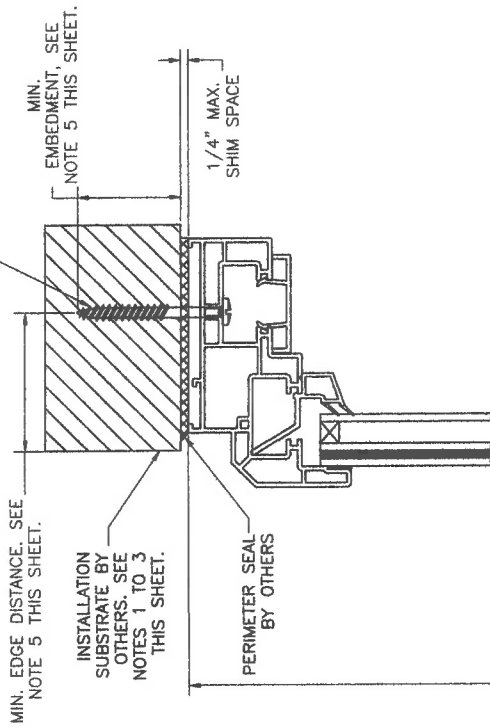


Digitally signed
by Robert J
Amoroso

Date: 2018.02.02
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PTC Product Design Group, LLC
PO Box 520775
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321-690-1788 info@ptc-corp.com
FPPE Certificate of Authorization
No. 25955

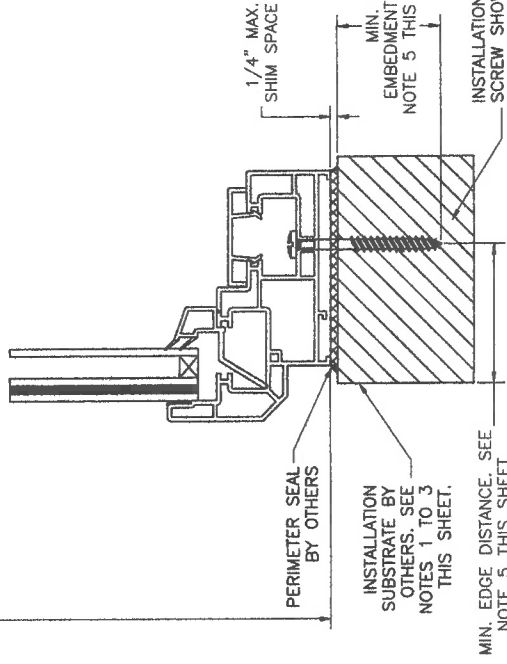
INSTALLATION ANCHOR. WOOD SCREW SHOWN. SEE NOTE 5 THIS SHEET FOR ANCHOR TYPE REQUIRED.



WINDOW HEIGHT

EXTERIOR

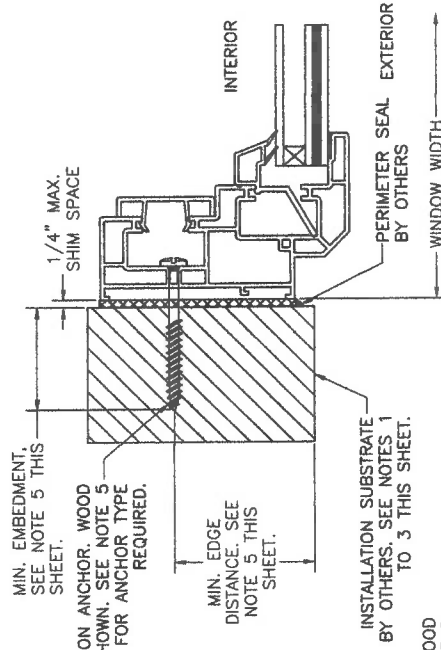
INTERIOR



VERTICAL 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. STEEL STUD FRAMING AND
 - 1.3. 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 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.
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 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.
 - 5.2. 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.
 - 5.3. 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.
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.



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

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

PROJECT #417-0906	REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851	SERIES 5105 IMPACT VINYL FIXED WINDOW INSTALLATION DETAILS	PREPARED BY: DATE: 1/11/18 DRAWN BY: SCALE: N.T.S. REV: A	2 OF 2
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PTC
Robert J. Amoroso, P.E.
Florida P.E. No. 48752

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Date: 2018.02.02
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