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Product Approval
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Application Detail

OFFICE OF THE
SECRETARY

FL #

FL28486-R4

Application Type

Revision

Code Version

2023

Application Status

Approved

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

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
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Quality Assurance Representative

Address/Phone/Email

Category

Windows

Subcategory

Double Hung

Compliance Method

Certification Mark or Listing

Certification Agency

National Accreditation & Management Institute

Validated By

National Accreditation & Management Institute

Referenced Standard and Year (of Standard)

Standard

AAMA/WDMA/CSA 101/I.S.2/A440

Year

2011

Equivalence of Product Standards

Certified By

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
28486.1	Series 8313 Vinyl Tilt Double Hung Window	Series 8313 Vinyl Tilt Double Hung Window 53" x 77" Non-Impact Through Jamb Anchoring.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate FL28486_R4_C_CAC_NI014261-R3.pdf Quality Assurance Contract Expiration Date 10/31/2028 Installation Instructions FL28486_R4_II_RPLS0076_RevA_Series-8313-DH_ss.pdf Verified By: Robert J. Amoruso, P.E. FL License No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL28486_R4_AE_PERN02579_Rev3_FL28486_8313_DH_ss.pdf Created by Independent Third Party: Yes

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Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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Product Approval Accepts:

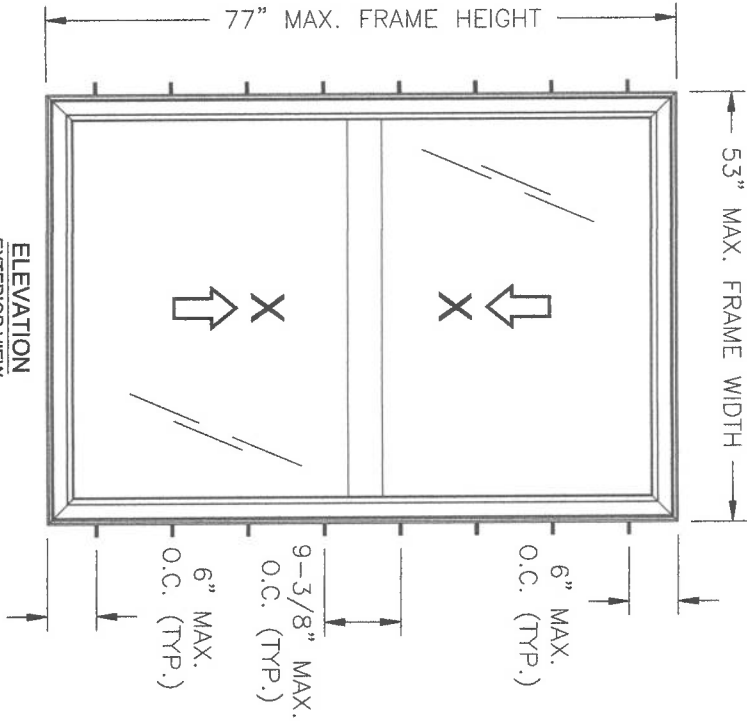
Credit Card
Safe

securityMETRICS

REGENCY PLUS, INC.

SERIES 8313 VINYL TILT DOUBLE HUNG WINDOW

INSTALLATION ANCHORAGE DETAILS



ELEVATION
EXTERIOR VIEW

- NOTES:
1. MAXIMUM TOP SASH SIZE: 49.063' X 37.188', MAXIMUM BOTTOM SASH SIZE: 50' X 37'
 2. MAXIMUM TOP SASH D.L.O.: 45.563' X 33.375', MAXIMUM BOTTOM SASH D.L.O.: 46.813' X 33.188'
 3. 0.938' X 0.025' WEEP HOLE AT 1' FROM EACH END OF EXTERIOR SILL FACE.
 4. 1.27' X 0.3' WEEP HOLE AT 3.825' FROM EACH END OF EXTERIOR SILL FACE.
 5. 0.375' X 0.375' WEEP HOLE AT EACH END OF INTERIOR SILL TRACK.

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. WOOD FRAMING, 2X WOOD BUCK, METAL FRAMING AND CONCRETE/MASSONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND CONCRETE/MASSONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER CONCRETE/MASSONRY IS OPTIONAL. WHERE 1X BUCKS ARE USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME AND 1X BUCK INTO CONCRETE/MASSONRY SUBSTRATE. WHERE 1X BUCK IS NOT USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME INTO CONCRETE/MASSONRY 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.
 - 4.1. AAMA WDMA-CA 101/1.5.2A440-1.1, SEE TEST REPORT NO. NCTL-110-21524-2, DATED 10/6/18 BY NATIONAL CERTIFIED TESTING LABORATORIES, YORK, PA.
5. MATERIAL:
 - 5.1. FRAME: EXTRUDED RIGID PVC
 - 5.2.1. REINFORCEMENT: GALVANIZED STEEL TUBE - TOP RAIL OF SASH AND INTERIOR MEETING RAIL.
 - 5.2.2. GLAZING: GALVANIZED STEEL - BOTTOM RAIL OF SASH AND EXTERIOR MEETING RAIL.
6. GLAZING:
 - 6.1. GLAZING DETAIL AS TESTED: 22 mm (0.870") NOMINAL, O.A. (IGU COMPRISED OF 2 LITES OF 3mm (0.118") TEMPERED GLASS AND 18.65mm (0.832") STAINLESS STEEL SPACER (TYPE SS20). INTERIOR GLAZED AGAINST A (2) LEAF DUAL DIAPHRAGM BACK BEDDING AND A SWAP-IN (2) LEAF DUAL DIAPHRAGM RIGID VINYL GLAZING BED.
 - 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-CA 101/1.5.2A440 SHALL BE ALLOWED PER ASTM E1300 IN NON-HVHZ LOCATIONS.
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/MASSONRY USE 3/16" FLAT HEAD TAPSCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO CONCRETE WITH 1/16" MINIMUM EDGE DISTANCE AND 1" MINIMUM EMBEDMENT INTO MASSONRY 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 FLAT HEAD 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 FLAT 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 0.42
 - 13.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI
 - 13.3. MASSONRY - MINIMUM COMPRESSIVE STRENGTH TO ASTM C90, MEDIUM WEIGHT WITH DENSITY > 117 PCF
 - 13.4. METAL STRUCTURE: STEEL - 180KA (0.0423), 33KSI OR ALUMINUM 6063-T6 0.046" THICK MINIMUM

TABLE OF CONTENT

SHEET	DESCRIPTION
1	ELEVATION, ANCHORING AND NOTES
2	INSTALLATION DETAILS
3	BILL OF MATERIALS

DESIGN PRESSURE RATING (PSF)

+50.0/-50.0

IMPACT RATING

NONE

PROJECT #422-0616

REV	DESCRIPTION	DATE	BY
A	UPDATED BOM REFERENCES	5/31/23	RJA

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

SERIES 8313 VINYL TILT DOUBLE HUNG WINDOW
ELEVATION, ANCHORING AND NOTES

PREPARED BY: **PTC**

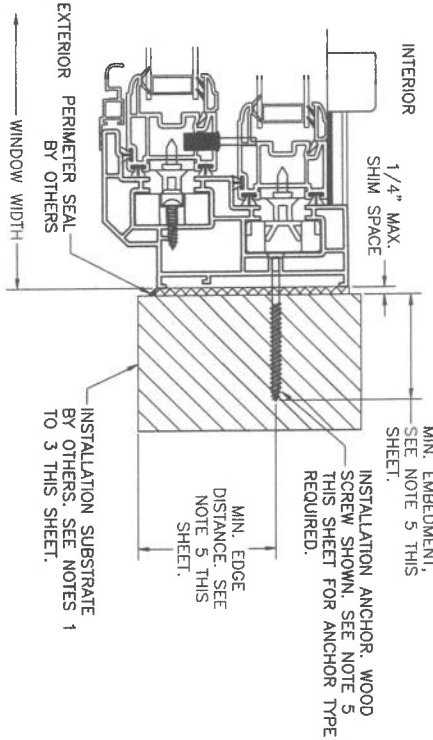
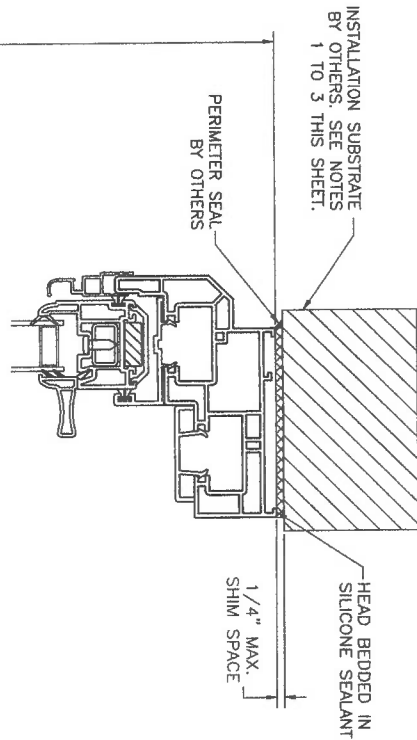
DRAWN BY: RJA
SCALE: N.T.S.
REV: A

DATE: 11/14/18
DRAWING NO: RPLS0076
SHEET: 1 OF 3



Digitally signed
by Robert J
Amoroso
Date: 2023.09.04
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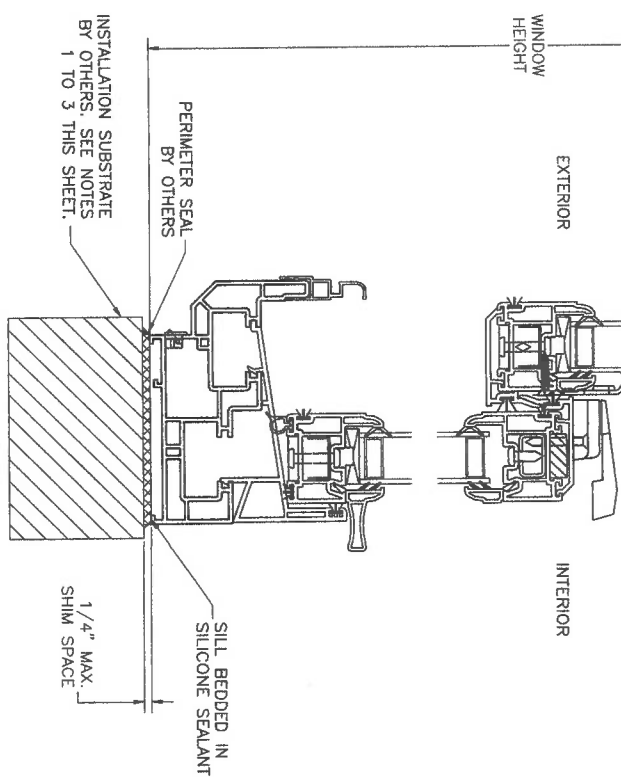
PTC Product Design Group, LLC
Lynchburg, VA 22703-0775
321-680-1788 info@ptc-usa.com
FPEE Certificate of Authorization
No. 25835



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. 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" FLAT 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 WOOD BUCK USE #10 FLAT 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 FLAT 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.



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

PROJECT #422-0616			
REV	DESCRIPTION	DATE	BY
A	UPDATED BOM REFERENCES	5/31/23	RJA

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

TITLE: SERIES 8313 VINYL TILT DOUBLE HUNG WINDOW
INSTALLATION DETAILS

PREPARED BY:	DRAWN BY: RJA	DATE: 11/14/18
	SCALE: N.T.S.	DRAWING NO: RPLS0076
	REV: A	SHEET: 2 OF 3

Robert J. Amoroso, P.E.
Florida P.E. No. 48782

PTC

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Amoroso
Date: 2023.09.04
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Longwood, FL 32752-0775
321-680-1789 info@ptc-con.com
FPEP Certificate of Authorization
No. 25535

BILL OF MATERIALS

Series Tech 8313 Non-Impact Double Hung / Bill of Material			
Supplier	Part Numbers	Description	Quantity
VISION EXTR. GRP. LTD	IV White 1060 / 7720	Master Frame (H)	2
VISION EXTR. GRP. LTD	IV White 1060 / 7720	Master Frame (W)	2
VISION EXTR. GRP. LTD	IV White 1282 / 7750	Sash Frame (Operating Sash) (H)	4
VISION EXTR. GRP. LTD	IV White 1282 / 7750	Sash Frame (Operating Sash) (W)	4
VISION EXTR. GRP. LTD	IV White 1067 / 7745	Glazing Bead Stop (Operating Sashes) (H)	4
VISION EXTR. GRP. LTD	IV White 1067 / 7745	Glazing Bead Stop (Operating Sashes) (W)	4
VISION EXTR. GRP. LTD	IV White 1068 / 7747	Glazing Liftail Handle (Operating Sashes) (W)	2
VISION EXTR. GRP. LTD	IV White 1073 / 7724	Pocket Cover Head (W)	1
VISION EXTR. GRP. LTD	IV White 1078 / 7725	Sash Cover Head (Keeper Sash) (W)	1
VISION EXTR. GRP. LTD	IV White 1180 / 7727	Interlock Cover (Operating Sashes) (W)	2
VISION EXTR. GRP. LTD	IV White 1070 / 7736	Sash Stop Frame Cover (H)	2
VISION EXTR. GRP. LTD	IV White 1070 / 7736	Sash Stop Frame Cover Head (W)	1
VISION EXTR. GRP. LTD	IV White 1181 / 7738	Sloped Sill (W)	1
Ultra-Fab	W23303NW0000	210 x 300 Fin Seal Pocket Cover (W) / 1073 / 7724 / Frame Head	1
Ultra-Fab	W23303NW0000	210 x 300 Fin Seal Pocket Cover (W) / 1181 / 7738 / Frame Sill	1
Ultra-Fab	W23303NW0000	210 x 300 Fin Seal Sash Frame (H) / 1282 / 7750 / Keeper Sash	4
Ultra-Fab	W23303NW0000	210 x 300 Fin Seal Sash Frame (W) / 1282 / 7750 / Lock Sash	4
Ultra-Fab	E20718WW2020	210 x 300 Fin Seal Sash Frame (W) / 1282 / 7750 / Lock Sash	1
Ultra-Fab	W23301NW0000	200 x 340 H-Build Seal Sash Frame (W) / 1282 / 7750 / Lock Sash	1
Ultra-Fab	W23301NW0000	.187 x 300 Fin Seal Interlock Cover (W) / 1180 / 7727 / Keeper Sash	1
Ultra-Fab	W112257W0000	.270 x 220 Fin Seal Sash Frame (H) / Single Leg Screen Frame	2
Shapes Unlimited	06516NEW192	Single Leg Frame New White	3
Shapes Unlimited	06516NEW192	Double Leg Frame New White	1
Adept	2484	Tension Springs	2
Imperial Plastic USA	EX-FLX-Q165-BK	Fiberglass Screen Cloth Charcoal / 60" x 96"	1
Hygrade Metals	CH23232360	Aluminum Corner Keys	4
Hygrade Metals	ST-226-144-0.052	Operating Sash / (W-1) Lock Sash / Impact Lock Top / Heavy Rebar	4
Hygrade Metals	ST-187-144-0.032	Operating Sash / (W-1) Lock Sash / Bottom / Light Rebar	1

Series Tech 8313 Non-Impact Double Hung / Bill of Material			
Supplier	Part Numbers	Description	Quantity
Hygrade Metals	ST-226-144-0.052	Operating Sash / (W-1) Keeper Sash / Impact Lock Top / Heavy Rebar	1
Hygrade Metals	ST-187-144-0.032	Operating Sash / (W-1) Keeper Sash / Bottom / Light rebar	1
Product Design	H-484	Screen Clip Clear	2
Product Design	H-3150	Screen Clip Clear	2
Product Design	H-408MHZ	Weep Hole Cover White	2
RH Products	HH-66 Vinyl Cement	Interlock Cover (Operating Sash) / Lock Sash (W)	1
RH Products	HH-66 Vinyl Cement	Interlock Cover (Operating Sash) / Keeper Sash (W)	1
Amesbury / Truth	803827	27 lb. 3 Coil / 984 Series / Constant Force Balance	4
S.I.L. Plastic	00156-C001	Liftail End Caps White	4
Smith Staple	BEA 80710	Stainless Steel Staples 3/8 x 1/2 Sash (W) (H)	20
Lindemeyer	W0511022	30P12-18P50-9/16 X1 3/8 X 3 Foam Block	2
Lametek	21300-00077	.75 White Balance Plug	4
James Spring Wire	C5025	Hurricane Grade Spring	4
Novogard Silcones	02-MK0150010C2	Accessory Parts Installation Translucent	1
Vision Industries	1057A-003-EW	Hurricane Tilt Latch	4
Vision Industries	3220S5-003-EW	Safe Seal Lock	2
Vision Industries	8292A-003-EW	Safe Seal Keeper	2
Vision Industries	8887	Pivot Bars / 1-Shaped Head	4
Frank Love	2NB-9K-0-125-032-064	Glass Setting Blocks Sash (W) Top / Sash (H)	4
GLF Corporation	112003	# 532" Tri-Rivet .040 / 275 Grip / Sash Pivot Bars	12
GLF Corporation	137341	# 8-18 x 0.850 Flat Water Shoulder / Sash / Hurricane Latch	4
GLF Corporation	120376	# 8 x 1 1/4" Tek White / Locks	4
GLF Corporation	116821	# 6 x 1" Tek White / Keepers	4
GLF Corporation	117895	# 6 x 5/8" Tek / Sash Rebar (H)	12
GLF Corporation	117895	# 6 x 5/8" Tek / Sash Rebar (W)	12
GLF Corporation	120766	# 8 x 3/4" Tek / Pan Head (Balance Shoes)	4
GLF Corporation	116506	# 5 x 3/8" Tek / Screen Clips White	4
GLF Corporation	401168	# 12 x 3" Flat / Installation Screws	10
Cardinal	Double Strength Tempered	Operating Lock Sash 3.1 T Q366 / 15.8 FED / 3.1 T	1
Cardinal	Double Strength Tempered	Operating Lock Keeper 3.1 T Q366 / 15.8 FED / 3.1 T	1

PROJECT #422-0616

REV	DESCRIPTION	DATE	BY
A	UPDATED BOM REFERENCES	5/31/23	RJA

REGENCY PLUS, INC.
 2000 LOCUST GAP HIGHWAY
 MT. CARMEL, PA 17851
 TITLE: SERIES 8313 VINYL TILT DOUBLE HUNG WINDOW
 BILL OF MATERIALS
 PREPARED BY: **PTC**
 DRAWN BY: RJA DATE: 11/14/18
 SCALE: N.T.S. DRAWING NO: RPLS0076
 REV: A SHEET: 3 OF 3



Digitally signed
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 FBP Certificate of Authorization
 No. 25935