



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > [Application Detail](#)



FL # **2848601**

Application Type

FL28486-R3

Editorial Change

Code Version

2020

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
Mount Carmel, PA 17851
(570) 339-3374
tony@cwbyrpi.com

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 101/1.S.2/A440

Year
2011

Equivalence of Product Standards
Certified By

Product Approval Method

Method 1 Option A

Date Submitted

04/20/2022

Date Validated

04/21/2022

Date Pending FBC Approval

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_R3_C_CAC_NI014261-R3.pdf Quality Assurance Contract Expiration Date 10/31/2028 Installation Instructions FL28486_R3_II_RPLS0076_Rev0_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_R3_AE_PERNo2579_Rev2_FL28486_8313_DH_ss.pdf Created by Independent Third Party: Yes

[Back](#)[Next](#)

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

The State of Florida is an AA/EEO employer. [Copyright 2007-2013 State of Florida](#). :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:

Credit Card
Safe

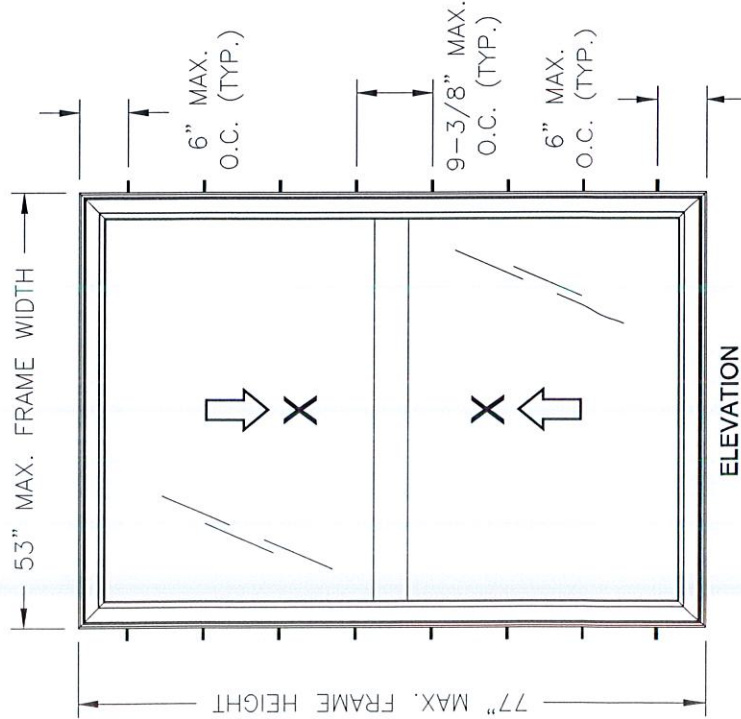
securityMETRICS

REGENCY PLUS, INC.

SERIES 8313 VINYL TILT DOUBLE HUNG WINDOW INSTALLATION ANCHORAGE DETAILS

NOTES:

- 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).
- 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 THE FOLLOWING.
 - AAMA WDMA/CSA 1011/S.2/A440-11. SEE TEST REPORT NO. NCTL-110-21524-2, DATED 10/16/18 BY NATIONAL CERTIFIED TESTING LABORATORIES, YORK, PA.
- MATERIAL:
 - FRAME: EXTRUDED RIGID PVC
 - REINFORCEMENT:
 - 5.2.1 GALVANIZED STEEL TUBE - TOP RAIL OF SASH AND INTERIOR MEETING RAIL
 - 5.2.2 U-SHAPED GALVANIZED STEEL - BOTTOM RAIL OF SASH AND EXTERIOR MEETING RAIL
- GLAZING:
 - 6.1. GLAZING DETAIL AS TESTED: 22.1mm (0.87") NOMINAL O.A. (IGU COMPRISED OF 2 LITES OF 3mm (0.119") TEMPERED GLASS AND 16.05mm (0.632") STAINLESS STEEL SPACER (TYPE SS-D). INTERIOR GLAZED AGAINST A (2)-LEAF DUAL DUROMETER BACK BEDDING AND A SNAP-IN (2)-LEAF 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 1011/S.2/A440 SHALL BE ALLOWED PER ASTM E1300 IN NON-HVHZ LOCATIONS.
- APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- SHIMS 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" 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.
- FOR ANCHORING INTO WOOD FRAMING OR 2X 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.
- 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.
- 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 OF G=0.42
 - 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 16GA (0.0428"), 33KSI OR ALUMINUM 6063-T5 0.048" THICK MINIMUM



ELEVATION EXTERIOR VIEW

NOTES:

- MAXIMUM TOP SASH SIZE: 49.063" X 37.188"; MAXIMUM BOTTOM SASH SIZE: 50" X 37"
- MAXIMUM TOP SASH D.L.O.: 45.563" X 33.375"; MAXIMUM BOTTOM SASH D.L.O.: 46.813" X 33.188"
- 0.938" X 0.25" WEEP HOLE AT 1" FROM EACH END OF EXTERIOR SILL FACE
- 1.27" X 0.3" WEEP HOLE AT 3.625" FROM EACH END OF EXTERIOR SILL FACE
- 0.375" X 0.375" WEEP HOLE AT EACH END OF INTERIOR SILL TRACK.

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

DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+50.0/-50.0	NONE

REV	DESCRIPTION	DATE	BY

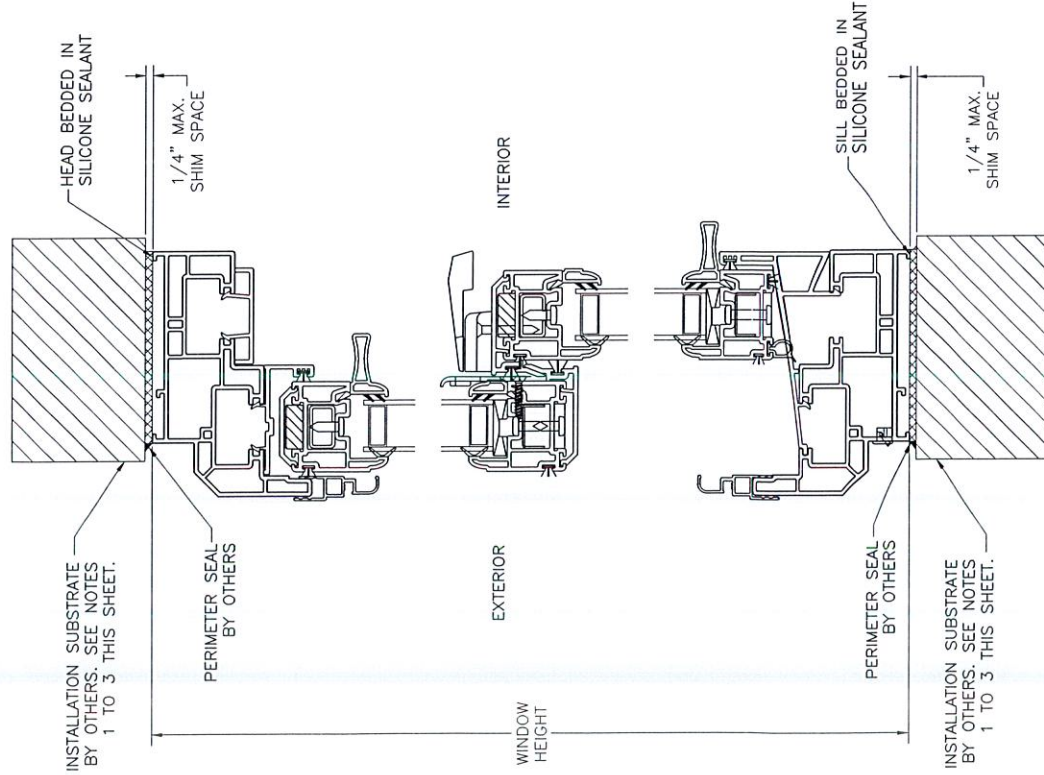
1 OF 3	SHEET	11/14/18	DRAWN BY	DATE	11/14/18	SCALE	N.T.S.	REV	1
RPLS0076	DRAWING NO.	11/14/18	DATE	11/14/18	SCALE	N.T.S.	REV	1	1
P.T.C.									
PREPARED BY:									
TITLE:									
SERIES 8313 VINYL TILT DOUBLE HUNG WINDOW									
ELEVATION, ANCHORING AND NOTES									
2000 LOCUST GAP HIGHWAY									
MT. CARMEL, PA 17851									
REGENCY PLUS, INC.									

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

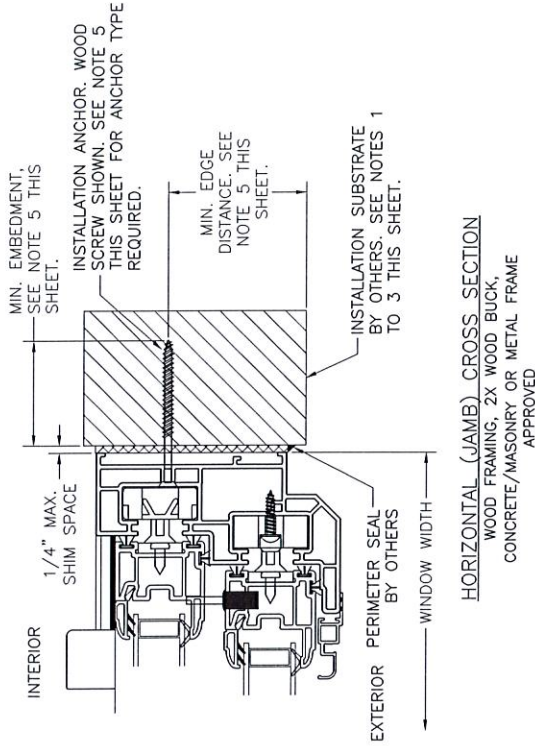
James Amoroso, P.E.
Florida P.E. No. 49752

Digitally signed
by Robert J.
Amoroso, P.E.
Date: 2018.11.21
10:45:00 -05'00'

PTC Product Design Group, LLC
PO Box 520775
Longwood, FL 32752-0775
321-480-1186 info@ptc-corp.com
PTC Corporation is an Equal Opportunity Employer
No. 25855



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



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 TAPSCREWS 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 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.

PROJECT #18-1001		REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851		TITLE SERIES 8313 VINYL TILT DOUBLE HUNG WINDOW INSTALLATION DETAILS		DATE: 11/14/18 DRAWN BY: RJA SCALE: N.T.S. REV: 2 OF 3		REV: 2 OF 3 SHEET: RPLS0076		BY: DATE: DESCRIPTION:	
------------------	--	---	--	--	--	---	--	--------------------------------	--	------------------------	--



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



Digitally signed
by Robert J.
Amoroso, P.E.
Date: 2018.11.21
10:44:42 -05'00'

PTC Product Design Group, LLC
PO Box 520775
Longwood, FL 32752-0775
321-486-1788 info@ptc-corp.com
FBIPE Certificate of Authorization
No. 25935

BILL OF MATERIALS

Series Tech 8313 Non-Impact Double Hung / Bill of Material			
Supplier	Part Numbers	Description	Quantity
Energil / Royal	IV White 1060 / 7720	Master Frame (H)	2
Energil / Royal	IV White 1060 / 7720	Master Frame (W)	2
Energil / Royal	IV White 1282 / 7750	Sash Frame (Operating Sash) / (H)	4
Energil / Royal	IV White 1282 / 7750	Sash Frame (Operating Sash) / (W)	4
Energil / Royal	IV White 1067 / 7745	Glazing Bead Stop (Operating Sashes) / (H)	4
Energil / Royal	IV White 1067 / 7745	Glazing Bead Stop (Operating Sashes) / (W)	2
Energil / Royal	IV White 1068 / 7747	Glazing Lift Rail Handle (Operating Sashes) / (W)	2
Energil / Royal	IV White 1073 / 7724	Pocket Cover Head / (W)	1
Energil / Royal	IV White 1078 / 7725	Sash Cover Head (Keeper Sash) / (W)	1
Energil / Royal	IV White 1180 / 7727	Interlock Cover (Operating Sashes) / (W)	2
Energil / Royal	IV White 1070 / 7736	Sash Stop Frame Cover / (H)	2
Energil / Royal	IV White 1181 / 7738	Sash Stop Frame Cover Head / (W)	1
Ultra-Fab	W233033NW0000	Sloped Sill / (W)	1
Ultra-Fab	W233033NW0000	210 x .300 Fin Seal Pocket Cover (W) / 1073 / 7724 / Frame Head	1
Ultra-Fab	W233033NW0000	210 x .300 Fin Seal Pocket Cover (W) / 1181 / 7738 / Frame Sill	1
Ultra-Fab	W233033NW0000	210 x .300 Fin Seal Sash Frame (H) / 1282 / 7750 / Keeper Sash	4
Ultra-Fab	W233033NW0000	210 x .300 Fin Seal Sash Frame (W) / 1282 / 7750 / Lock Sash	4
Ultra-Fab	E20718WN2020	200 x .340 H-Bulb Seal Sash Frame (W) / 1282 / 7750 / Lock Sash	1
Ultra-Fab	W233011NW0000	187 x .300 Fin Seal Interlock Cover (W) / 1180 / 7727 / Keeper Sash	1
Ultra-Fab	W233011NW0000	187 x .300 Fin Seal Interlock Cover (W) / 1180 / 7727 / Lock Sash	1
Shapes Unlimited	W112255W0000	270 x .220 Fin Seal Sash Frame (H) / Single Leg Screen Frame	1
Shapes Unlimited	06515NEW192	Double Leg Frame New White	3
Adapt	2584	Tension Springs	2
Phifer	3002606	Fiberglass Screen Cloth Charcoal / 60" x 96'	2
Imperial Plastic USA	EX-FLX-Q165-BK	Screen Spline (H / W)	1
Hygrade Metals	CK252X260	Aluminum Corner Keys	4
Hygrade Metals	ST-226-144-0.052	Operating Sash / (W-1) Lock Sash / Impact Lock Top / Heavy Rebar	1
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-884	Screen Clip Clear	2
Product Design	H-3150	Screen Clip Clear	2
Product Design	H-808WHZ	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 Coll / 984 Series / Constant Force Balance	4
S.I.L. Plastic	00156-C001	Lift Rail End Caps White	4
Smith Staple	BEA 80/10	Stainless Steel Staples 3/8 x 1/2 Sash (W) (H)	20
Lindenmeyr	W0511022	30PP12-18P50-9/16 X1 3/8 X 3 Foam Block	2
Lametek	21300-00077	.75 White Balance Plug	4
James Spring Wire	CS025	Hurricane Grade Spring	4
Novagard Silicoes	02-MX0150010C2	Accessory Parts Installation Translucent	1
Vision Industries	1057A-003-EW	Hurricane Tilt Latch	4
Vision Industries	3220SS-003-EW	Safe Seal Lock	2
Vision Industries	8292A-003-EW	Safe Seal Keeper	2
Vision Industries	6987	Pivot Bars / T-Shaped Head	4
Frank Lowe	2NB-8K-0.125-032-064	Glass Setting Blocks Sash (W) Top / Sash (H)	12
GLF Corporation	112003	# 5/32" 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	117595	# 6 x 5/8" Tek / Sash Rebar (H)	12
GLF Corporation	120766	# 6 x 5/8" Tek / Sash Rebar (W)	12
GLF Corporation	116506	# 8 x 3/4" Tek / Pan Head (Balance Shoes)	4
GLF Corporation	401168	# 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

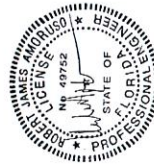
PROJECT #418-1001

REGENCY PLUS, INC.
2000 LOCUST GAP HIGHWAY
MT. CARMEL, PA 17851
SERIES 8313 VINYL TILT DOUBLE HUNG WINDOW

DATE: 11/14/18
DRAWN BY: RJA
SCALE: N.T.S.
REV: 1



PREPARED BY:
Robert J. Amoroso, P.E.
Florida P.E. No. 49752



Digitally signed
by Robert J.
Amoroso, P.E.
Date: 2018.11.21
10:44:19 -05'00'

PTC Product Design Group, LLC
PO Box 520775
Longwood, FL 32752-0775
321-480-1186 info@ptc-corp.com
FDPPE Certified Authorization
No. 25955