

REGENCY PLUS, INC.

1311 VINYL TILT SINGLE HUNG WINDOW

SERIES 1000 ANNEAL GLAZING PACKAGE

INSTALLATION ANCHORAGE DETAILS

GENEREAL 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/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. APPROVED INSTALLATION SUBSTRATES INCLUDE THE FOLLOWING:

2.1.

WOOD FRAMING

2.2.

STEEL STUD FRAMING AND

2.3.

CONCRETE AND/OR MASONRY
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 THE FOLLOWING.

4.1.

AAMA/WDMA/CSA 101/I.S.2/A440-17. SEE TEST REPORT NO. NCTL-110-23214-1, DATED 04/27/20 BY NATIONAL CERTIFIED TESTING LABORATORIES, YORK, PA.
5.

APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
6.

MATERIAL:

6.1.

FRAME: EXTRUDED RIGID PVC

6.2.

REINFORCEMENT: GALVANIZED STEEL TUBE - SASH RAILS AND FIXED MEETING RAIL
7.

GLAZING:

7.1.

GLAZING DETAIL AS TESTED: OVERALL 0.885" (22.48 MM) NOMINAL

7.1.1.

GLASS THICKNESS (2) LITES OF 5/32" (4 MM) NOMINAL ANNEALED GLASS

7.1.2.

SPACER TYPE/SIZE 0.585" (14.86 MM) DESICCANT-FILLED STAINLESS-STEEL SPACER (TYPE SS-D)

7.1.3.

OPERABLE SASH GLAZING INTERIOR GLAZED AGAINST A (2)-LEAF DUAL DUROMETER BACK-BEDDING AND A SNAP-IN (2)-LEAF DUAL DUROMETER RIGID VINYL GLAZING BEAD.

7.1.3.

FIXED LITE GLAZING INTERIOR GLAZED AGAINST FOAM TAPE BACK-BEDDING AND A SNAP-IN (2)-LEAF DUAL DUROMETER RIGID VINYL GLAZING BEAD.

7.2.

AS TESTED GLAZING MEETS ASTM E1300-24 FOR THE DESIGN CONDITIONS SHOWN IN THIS PRODUCT APPROVAL DOCUMENT.

7.3.

ALTERNATE GLAZING MEETING THE REQUIREMENTS OF AAMA/WDMA/CSA 101/I.S.2/A440 SHALL BE ALLOWED PER ASTM E1300.
8.

DESIGNATION "X" STANDS FOR OPERABLE SASH.
9.

INTERIOR AND EXTERIOR FINISHING AND SEALING ARE FOR ILLUSTRATIVE PURPOSES ONLY. THESE DRAWINGS CERTIFY THE WINDOW INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED WINDOW IS NOT PART OF THIS INSTALLATION INSTRUCTION.

INSTALLATION NOTES:

1.

ONE INSTALLATION ANCHOR SHALL BE USED AT EACH ANCHOR LOCATION SHOWN IN ELEVATION ON SHEET 2.
2.

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".
3.

ANCHOR QUANTITIES AND SPACING / EMBEDMENT AND EDGE DISTANCE

3.1.

THE NUMBER OF INSTALLATION ANCHORS IS BASED ON THE MAXIMUM END DISTANCE (ED) AND THE MAXIMUM ON CENTER (O.C.) SPACING PLACEMENT OF ANCHORS IN ACCORDANCE WITH ELEVATION ON SHEET 2.

3.2.

END DISTANCES AND O.C. SPACING LESS THAN THAT SHOWN IN THE ELEVATION ON SHEET 2 ARE ACCEPTABLE.

3.3.

FOR WINDOW SIZES SMALLER THAN THOSE SHOWN, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING EDGE DISTANCE AND O.C. SPACING REQUIREMENTS.

3.4.

ANCHOR QUANTITIES AND SPACING SHOWN ARE BASED ON THE LOWER OF ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.
4.

SUBSTRATE ANCHORING METHODS:

4.1.

FOR ANCHORING INTO CONCRETE/MASONRY USE 3/16" FLAT HEAD OR 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.

4.2.

FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #12 FLAT HEAD (SHOWN) OR PAN HEAD WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 7/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

4.3.

FOR ANCHORING INTO METAL STRUCTURE USE #12 FLAT HEAD OR PAN 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.
5.

ALL FASTENERS TO BE CORROSION RESISTANT, AND/OR HAVE A CORROSION RESISTANT COATING, OR MEET THE REQUIREMENTS OF SECTION 1711, 9TH EDITION (2026) FBC AND SECTION R332, 9TH EDITION (2026) FRC WHEN APPLICABLE.
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.
8.

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:

8.1.

WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42

8.2.

CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI

8.3.

MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT WITH DENSITY > 117 PCF

8.4.

METAL STRUCTURE: STEEL 18GA (0.0428"), 33KSI OR ALUMINUM 6063-T5 0.048" THICK MINIMUM

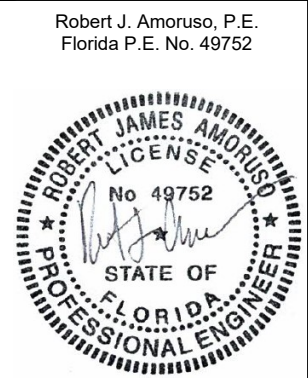
TABLE OF CONTENT	
SHEET	DESCRIPTION
1	GENERAL NOTES & INSTALLATION NOTES
2	ELEVATION WITH ANCHORAGE LOCATIONS & VERTICAL SECTION
3	HORIZONTAL SECTIONS & GLAZING DETAIL
4	BILL OF MATERIALS

PERFORMANCE RATING			
MAXIMUM NOMINAL WINDOW SIZE	GLAZING DETAIL (SEE SHEET 3)	DESIGN PRESSURE (PSF)	IMPACT RATING
53" x 77"	A (FIXED LITE) B (OPERABLE SASH)	+/- 50	NONE

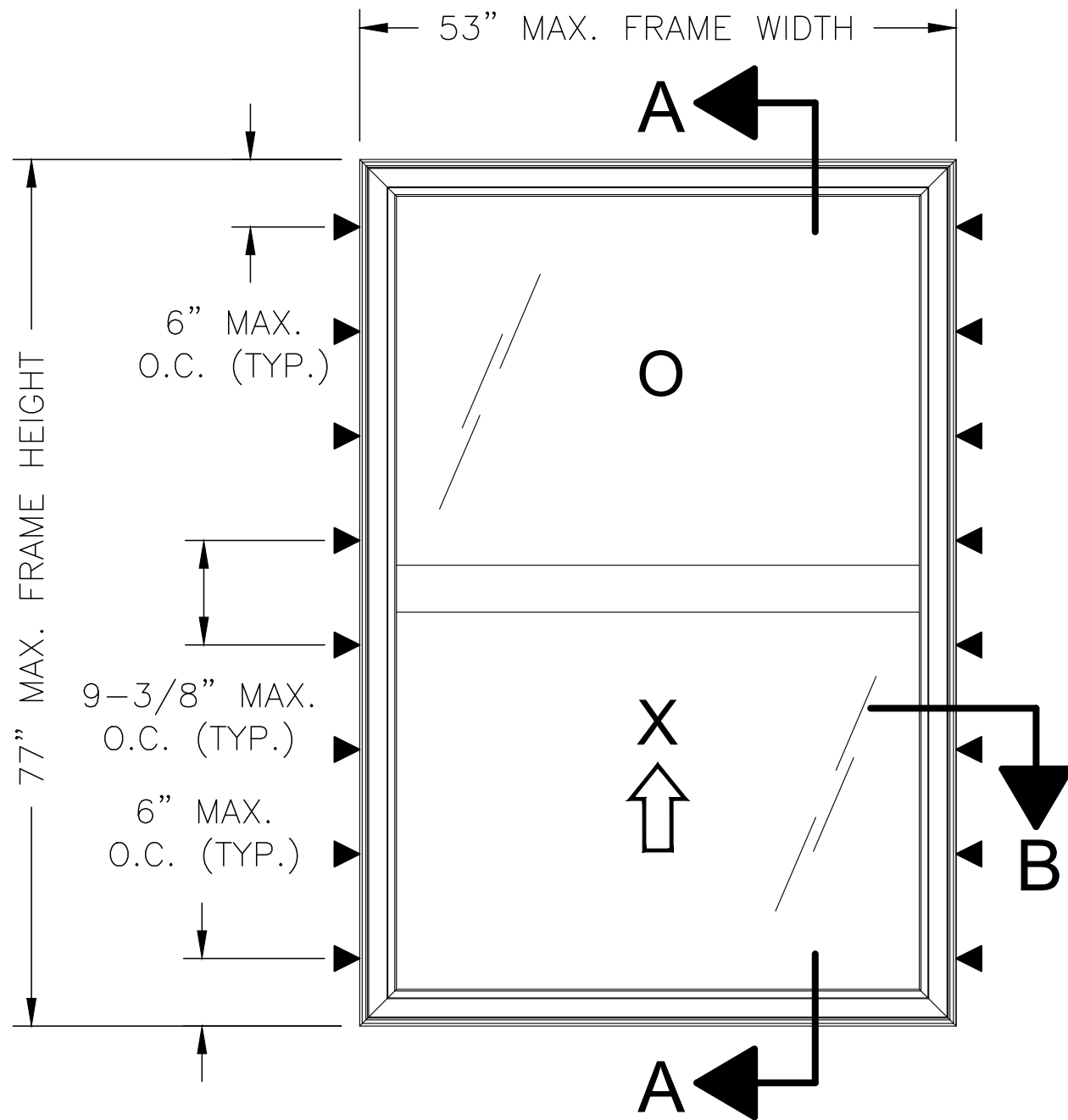
This item has been electronically signed and sealed by Robert J. Amoruso on the date adjacent to the seal using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

PROJECT No. ACE-2025-131			RJA		BY
			7/28/26		
	2026 FBC UPDATE			5/31/23	
	UPDATED BOM REFERENCES				DATE
	B	A		REV	

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851	GENERAL NOTES & INSTALLATION NOTES			
	DRAWN BY:	RJA	DATE:	5/18/2020
	SCALE:	N.T.S.	DRAWING NO:	RPLS0087
	REV:	B	SHEET:	1 of 4
TITLE: 1311 VINYL TILT SINGLE HUNG WINDOW / SERIES 1000 ANNEAL GLAZING AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM				



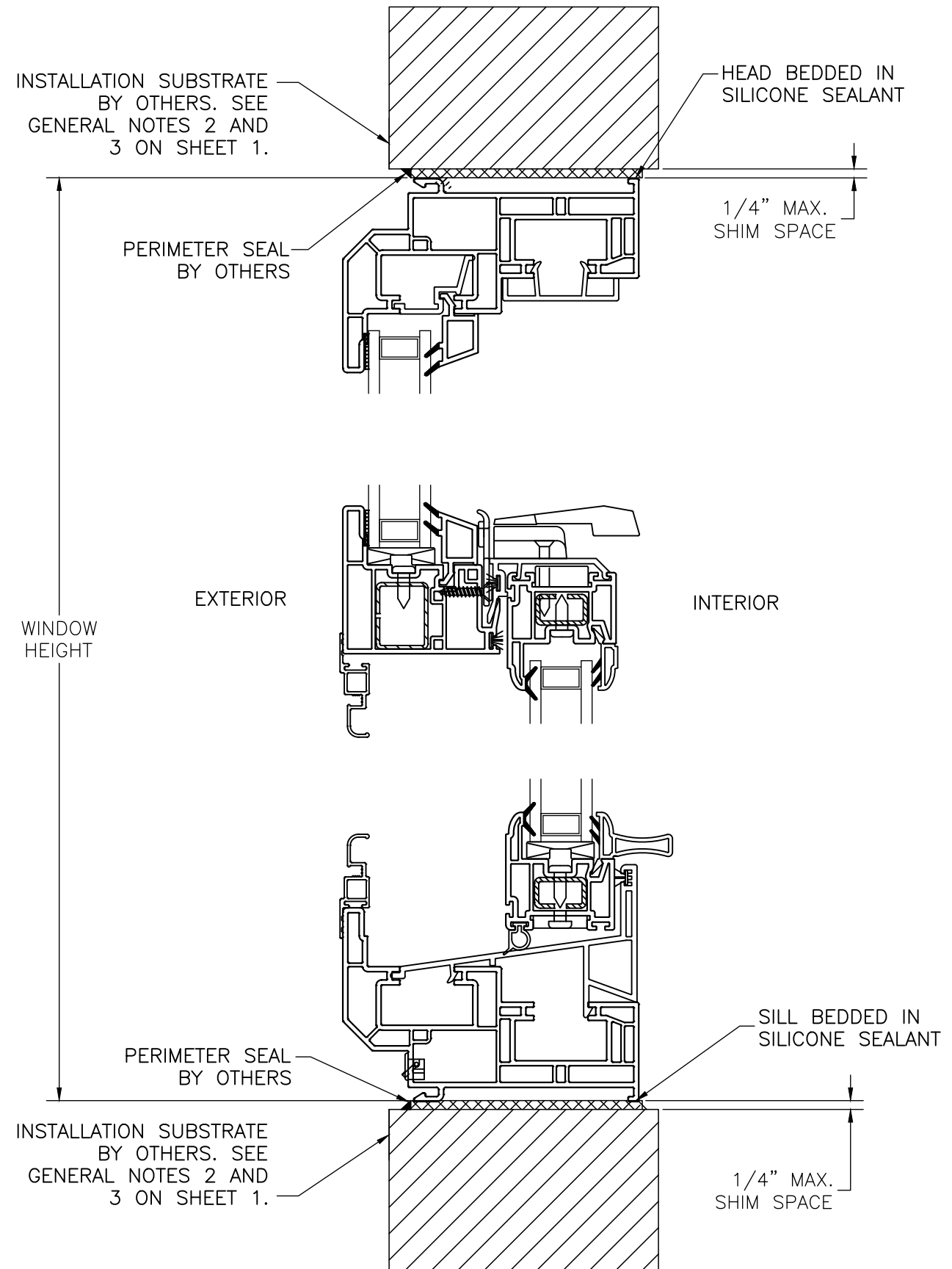
Digitally signed by Robert J Amoruso
Date: 2026.08.27 08:53:03 -04'00'



ELEVATION
EXTERIOR VIEW

NOTES:

1. MAXIMUM BOTTOM SASH SIZE: 50.0625" X 36.75"
2. MAXIMUM UPPER FIXED LITE D.L.O.: 47.25" X 34"; MAXIMUM BOTTOM SASH D.L.O.: 46.25" X 33.25"
3. WEEP DESCRIPTION:
 - 3.1. 0.25" WIDE BY 0.25" HIGH LOCATED 0.25" FROM EACH END OF THE BOTTOM RAIL
 - 3.2. 0.75" WIDE BY 0.25" HIGH LOCATED EACH END OF THE BOTTOM RAIL GLAZING CHANNEL
 - 3.3. 1" WIDE BY 0.25" BACKED WITH OPEN CELL FOAM LOCATED 1.25" FROM EACH END OF THE EXTERIOR SILL TRACK
 - 3.4. 1.250" WIDE BY 0.250" WITH PLASTIC WEEP FLAP LOCATED 3" FROM EACH END OF THE EXTERIOR SILL FACE
 - 3.5. 0.880" WIDE BY 0.250" HIGH LOCATED EACH END OF THE INTERIOR SILL TRACK



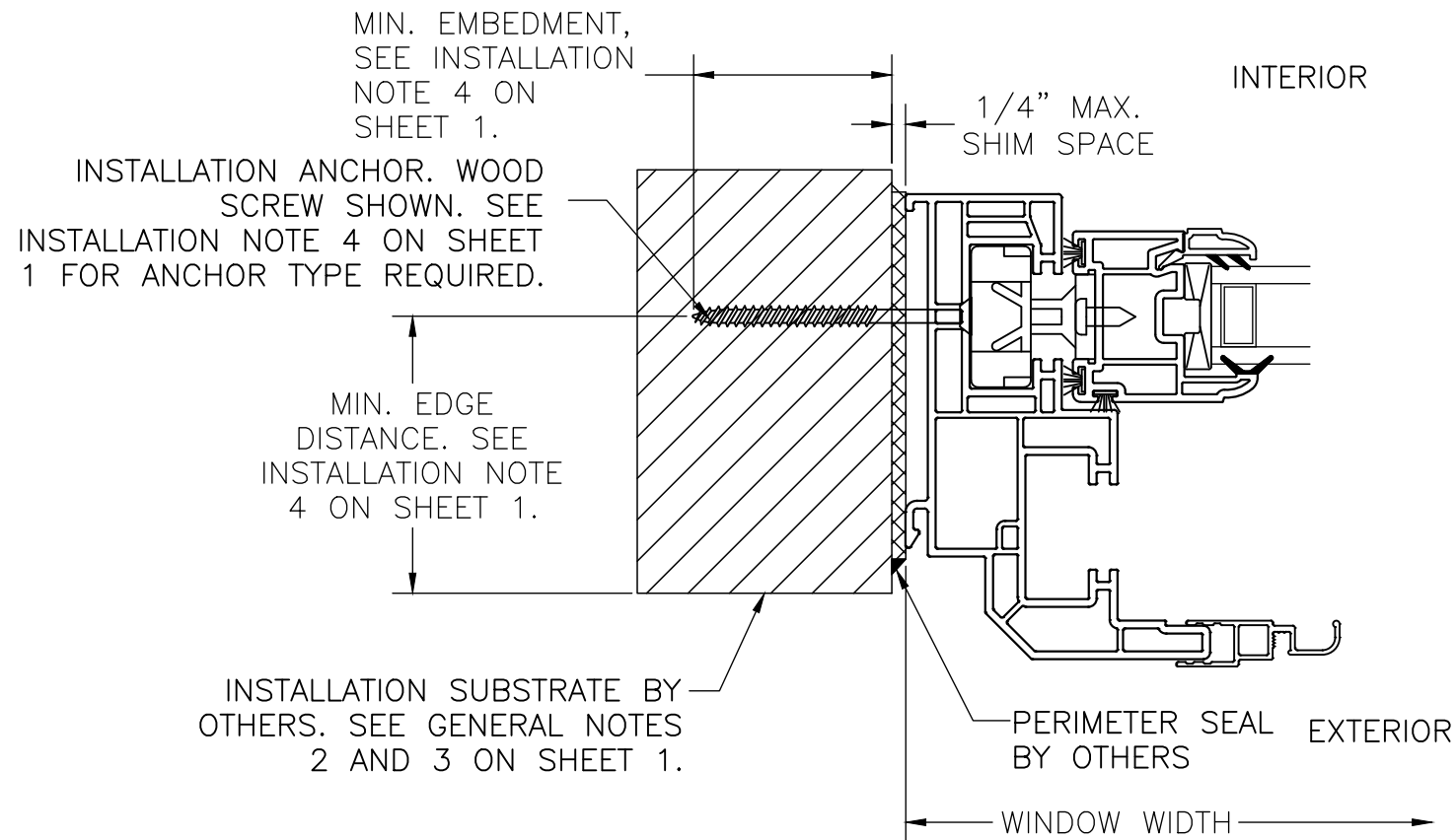
VERTICAL CROSS SECTION A-A
WOOD FRAMING, 2X WOOD BUCK, CONCRETE/MASONRY OR METAL
FRAME APPROVED

PROJECT No. ACE-2025-131					
			RJA	RJA	BY
		2026 FBC UPDATE	7/28/26	5/31/23	DATE
	B	A	UPDATED BOM REFERENCES		DESCRIPTION
		REV			

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851		DRAWN BY: RJA SCALE: N.T.S. REV: B		DATE: 5/18/2020 DRAWING NO: RPLS0087 SHEET: 2 of 4					
TITLE: 1311 VINYL TILT SINGLE HUNG WINDOW / SERIES 1000 ANNEAL GLAZING ELEVATION W/ANCHORAGE LOCATIONS & VERTICAL SECTION									
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM									

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

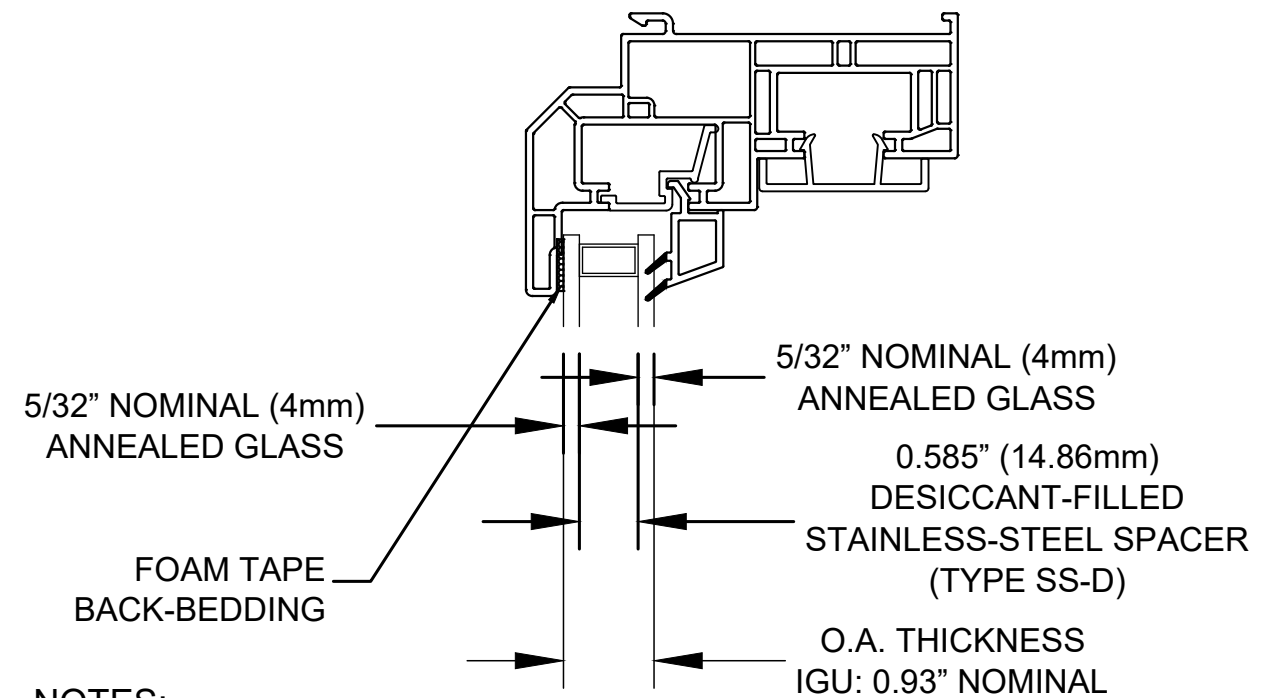
Digitally signed
by Robert J
Amoruso
Date:
2026.08.27
08:53:16 -04'00'



HORIZONTAL (JAMB) CROSS SECTION B-B

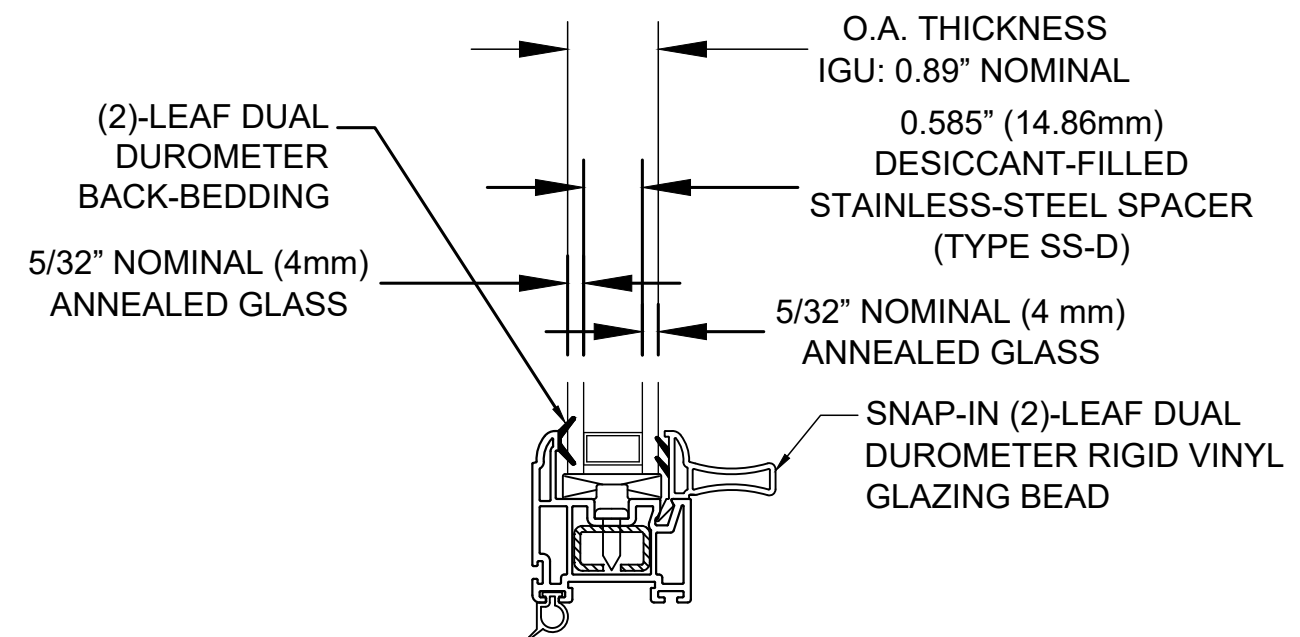
APPLICABLE TO BOTH JAMBS

WOOD FRAMING, 2X WOOD BUCK, CONCRETE/MASONRY OR METAL FRAME APPROVED.
OPERABLE SASH JAMB SHOWN. INSTALLATION ALSO APPLICABLE TO FIXED LITE SECTION OF JAMB.
ANCHOR INSTALLATION AT INTERIOR JAMB (SEE ELEVATION ON SHEET 2).



- NOTES:
1. FIXED LITE HEAD SHOWN. GLAZING DETAILS SAME FOR FIXED LITE AT JAMBS AND SILL GLAZING.

GLAZING DETAIL A



- NOTES:
1. LOWER OPERABLE SASH SILL SHOWN. GLAZING DETAILS SAME FOR OPERABLE SASH AT JAMBS AND HEAD GLAZING.

PROJECT No. ACE-2025-131			
		RJA	BY
	7/28/26	RJA	
2026 FBC UPDATE		5/31/23	DATE
UPDATED BOM REFERENCES			
DESCRIPTION			
REV			

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851			
TITLE: 1311 VINYL TILT SINGLE HUNG WINDOW / SERIES 1000 ANNEAL GLAZING HORIZONTAL SECTIONS & GLAZING DETAIL			
DRAWN BY: RJA	DATE: 5/18/2020	DRAWING NO: RPLS0087	SHEET: 3 of 4
SCALE: N.T.S.			
REV: B			
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM			

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



Digitally signed
by Robert J
Amoruso
Date:
2026.08.27
08:54:54 -04'00'

BILL OF MATERIALS

1311 VINYL TILT SINGLE HUNG WINDOW / SERIES 1000 ANNEAL GLAZING PACKAGE							
Supplier	Part Numbers	Description	Quantity	Supplier	Part Numbers	Description	Quantity
VISION EXTR. GRP. LTD	IV White 7780	Master Frame (H)	2	Hygrade Metals	CK252X260	Aluminum Corner Keys	4
VISION EXTR. GRP. LTD	IV White 7780	Master Frame (W)	2	Hygrade Metals	ST-226-144-0.052	Operating Sash / (W-1) Lock Sash / Impact Lock Top / Heavy Rebar	1
VISION EXTR. GRP. LTD	IV White 1282 / 7750	Sash Frame (Operating Sash) / (H)	2	Hygrade Metals	ST-226-144-0.052	Operating Sash / (W-1) Lock Sash / Bottom / Heavy Rebar	1
VISION EXTR. GRP. LTD	IV White 1282 / 7750	Sash Frame (Operating Sash) / (W)	2	Hygrade Metals	ST-888-168-0.062	Impost Mullion (W)	1
VISION EXTR. GRP. LTD	IV White 1067 / 7745	Glazing Bead Stop (Operating Sashes) / (H)	2	Product Design	H-808WHZ	Weep Hole Cover White	2
VISION EXTR. GRP. LTD	IV White 1067 / 7745	Glazing Bead Stop (Operating Sashes) / (W)	1	Product Design	H-H707WHZ	Push Guides White / Screen Frame	2
VISION EXTR. GRP. LTD	IV White 1068 / 7747	Glazing Liftrail Handle (Operating Sashes) / (W)	1	RH Products	HH-66 Vinyl Cement	Interlock Cover (Operating Sash) / Lock Sash (W)	1
VISION EXTR. GRP. LTD	IV White 1063 / 7735	Impost Mullion Fixed Center Section (W)	1	Amesbury / Truth	803829	25 lb. 3 Coil / 984 Series / Constant Force Balance	2
VISION EXTR. GRP. LTD	IV White 1079 / 7737	Pocket Insert / Fixed Center Section (W)	1	S.I.L. Plastic	00156-C001	Liftrail End Caps White	2
VISION EXTR. GRP. LTD	IV White 1079 / 7737	Pocket Insert / Fixed Center Section (H)	2	Smith Staple	BEA 80/10	Stainless Steel Staples 3/8 x 1/2 Sash (W) (H)	10
VISION EXTR. GRP. LTD	IV White 1180 / 7727	Interlock Cover (Operating Sashes) / (W)	1	Lindenmeyr	W0511022	30PP12-18P50-9/16 X1 3/8 X 3 Foam Block	2
VISION EXTR. GRP. LTD	IV White 1070 / 7736	Sash Stop Frame Cover / (H)	2	Lamatek	21300-00077	.75 White Balance Plug	2
VISION EXTR. GRP. LTD	IV White 1070 / 7736	Sash Stop Frame Cover Head / (W)	1	James Spring Wire	CS025	Hurricane Grade Spring	2
VISION EXTR. GRP. LTD	IV White 1181 / 7738	Sloped Sill / (W)	1	Novagard Silicones	02-MX0150010C2	Accessory Parts Installation Translucent	1
VISION EXTR. GRP. LTD	IV White 1080 / 7753	Glazing Bead (Fixed Center Section) (W) / Bottom	1	Vision Industries	1057A-003-EW	Hurricane Tilt Latch	2
VISION EXTR. GRP. LTD	IV White 1103 / 7726	Glazing Bead (Fixed Center Section) (W) Top	1	Vision Industries	3220SS-003-EW	Safe Seal Lock	2
VISION EXTR. GRP. LTD	IV White 1103 / 7726	Glazing Bead (Fixed Center Section) (H)	2	Vision Industries	8292A-003-EW	Safe Seal Keeper	2
Ultra-Fab	W23303NW0000	.210 x .300 Fin Seal Pocket Cover (W) / 1181 / 7738 / Frame Sill	1	Vision Industries	6987	Pivot Bars / T-Shaped Head	2
Ultra-Fab	W23303NW0000	.210 x .300 Fin Seal Sash Frame (H) / 1282 / 7750 / Lock Sash	4	Frank Lowe	2NB-8K-0.125-032-064	Glass Setting Blocks Sash (W) Top / Sash (H)	12
Ultra-Fab	W23303NW0000	.210 x .300 Fin Seal Sash Frame (W) / 1282 / 7750 / Lock Sash	1	GLF Corporation	112003	# 5/32" Tri-Rivet .040 /275 Grip / Sash Pivot Bars	6
Ultra-Fab	E20718WN2020	.200 x .340 H-Bulb Seal Sash Frame (W) 1282 / 7750 / Lock Sash	1	GLF Corporation	137341	# 8-18 x 0.850 Flat Wafer Shoulder / Sash / Hurricane Latch	2
Ultra-Fab	W23301NW0000	.187 x .300 Fin Seal Interlock Cover (W) / 1180 / 7727 / Lock Sash	1	GLF Corporation	120376	# 8 x 1 1/4" Tek White / Locks	4
Ultra-Fab	W112257W0000	.270 x .220 Fin Seal Sash Frame (H) / Single Leg Screen Frame	2	GLF Corporation	116821	# 6 x 1" Tek White / Keepers	4
Shapes Unlimited	06516NEW192	Single Leg Frame New White	2	GLF Corporation	117595	# 6 x 5/8" Tek / Sash Rebar (H)	6
Shapes Unlimited	06515NEW192	Double Leg Frame New White	2	GLF Corporation	117595	# 6 x 5/8" Tek / Sash Rebar (W)	6
Adept	2584	Tension Springs	2	GLF Corporation	120766	# 8 x 3/4" Tek / Pan Head (Balance Shoes)	2
Phifer	3002606	Fiberglass Screen Cloth Charcoal / 60" x 96'	1	GLF Corporation	401168	# 12 x 3" Flat / Installation Screws	10
Imperial Plastic USA	EX-FLX-Q165-BK	Screen Spline (H / W)	4	Cardinal	Single Strength Anneal	Operating Lock Sash / 3.9 Q366 / 15.8 FED / 3.9	1
				Cardinal	Single Strength Anneal	Fixed Sash Keeper / 3.9 Q366 / 15.8 FED / 3.9	1

PROJECT No. ACE-2025-131			RJA		BY
		7/28/26		RJA	
	2026 FBC UPDATE		UPDATED BOM REFERENCES	5/31/23	DATE
	B	A	REV	DESCRIPTION	

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851	BILL OF MATERIALS			
	DRAWN BY:	DATE:	DRAWING NO:	SHEET:
	RJA	5/18/2020	RPLS0087	4 of 4
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM				
SCALE: N.T.S. REV: B				

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



Digitally signed by Robert J Amoruso
Date: 2026.08.27 08:55:09 -04'00'