

REGENCY PLUS, INC.

1359 VINYL OUTSWING CASEMENT WINDOW

SERIES 1000 ANNEAL GLAZING PACKAGE

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.

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-110-23217-1, DATED 03/16/20 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
7.

GLAZING:

7.1.

GLAZING DETAIL AS TESTED: OVERALL 0.900" (22.86 MM) NOMINAL

7.1.1.

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

7.1.2.

SPACER TYPE/SIZE 0.596" (15.14 MM) DESICCANT-FILLED ALUMINUM SPACER (TYPE A1-D)

7.1.3.

GLAZING SYSTEM INTERIOR GLAZED AGAINST A (2)-LEAF DUAL DUROMETER BACK-BEDDING AND A

7.1.4.

SNAP-IN (2)-LEAF DUAL DUROMETER RIGID VINYL GLAZING BEAD.

7.2.

AS TESTED GLAZING MEETS ASTM E1300-09e 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 VENT.

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" HEX HEAD OR 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.

4.2.

FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #12 PAN HEAD (SHOWN) OR FLAT 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 PAN HEAD OR 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.

5.

ALL FASTENERS TO BE CORROSION RESISTANT.

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

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3	VERTICAL AND HORIZONTAL SECTIONS
4	BILL OF MATERIALS

PERFORMANCE RATING			
MAXIMUM NOMINAL WINDOW SIZE	GLAZING DETAIL (SEE SHEET 2)	DESIGN PRESSURE (PSF)	IMPACT RATING
34" x 75"	A	+/- 50	NONE

PROJECT #422-0616

REGENCY PLUS, INC.

2000 LOCUST GAP HIGHWAY

MT. CARMEL, PA 17851

TITLE: 1359 VINYL OS CASEMENT WINDOW / SERIES 1000 ANNEAL GLAZING

GENERAL NOTES & INSTALLATION NOTES

DRAWN BY: RJA

DATE: 4/23/2020

SCALE: N.T.S.

DRAWING NO: RPLS0084

REV: A

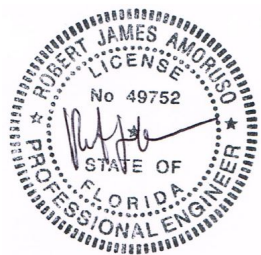
SHEET: 1 OF 4

PREPARED BY:



Robert J. Amoruso, P.E.

Florida P.E. No. 49752



Digitally signed by Robert J Amoruso

Date: 2023.09.08 07:26:12 -04'00'

PTC Product Design Group, LLC

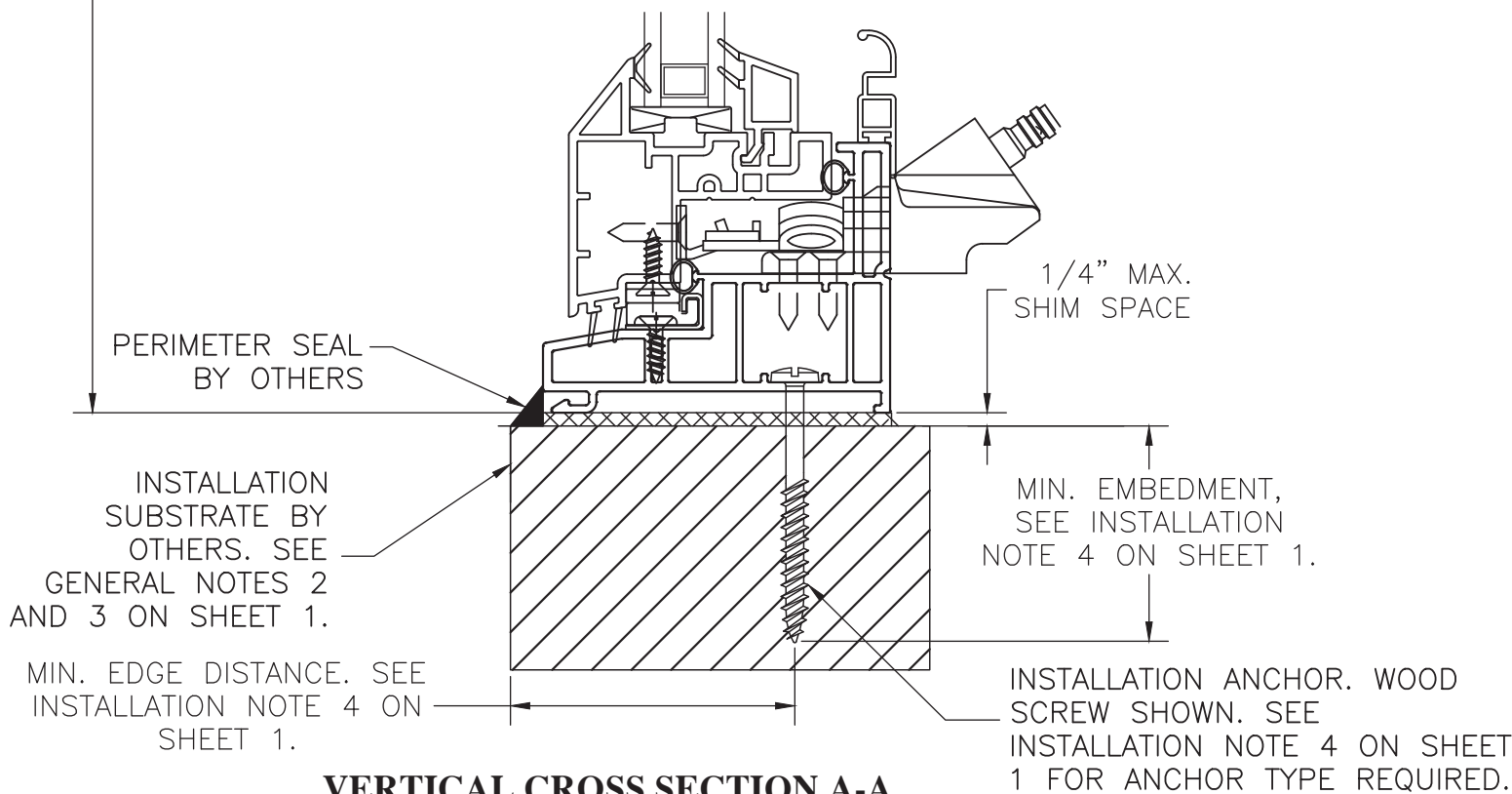
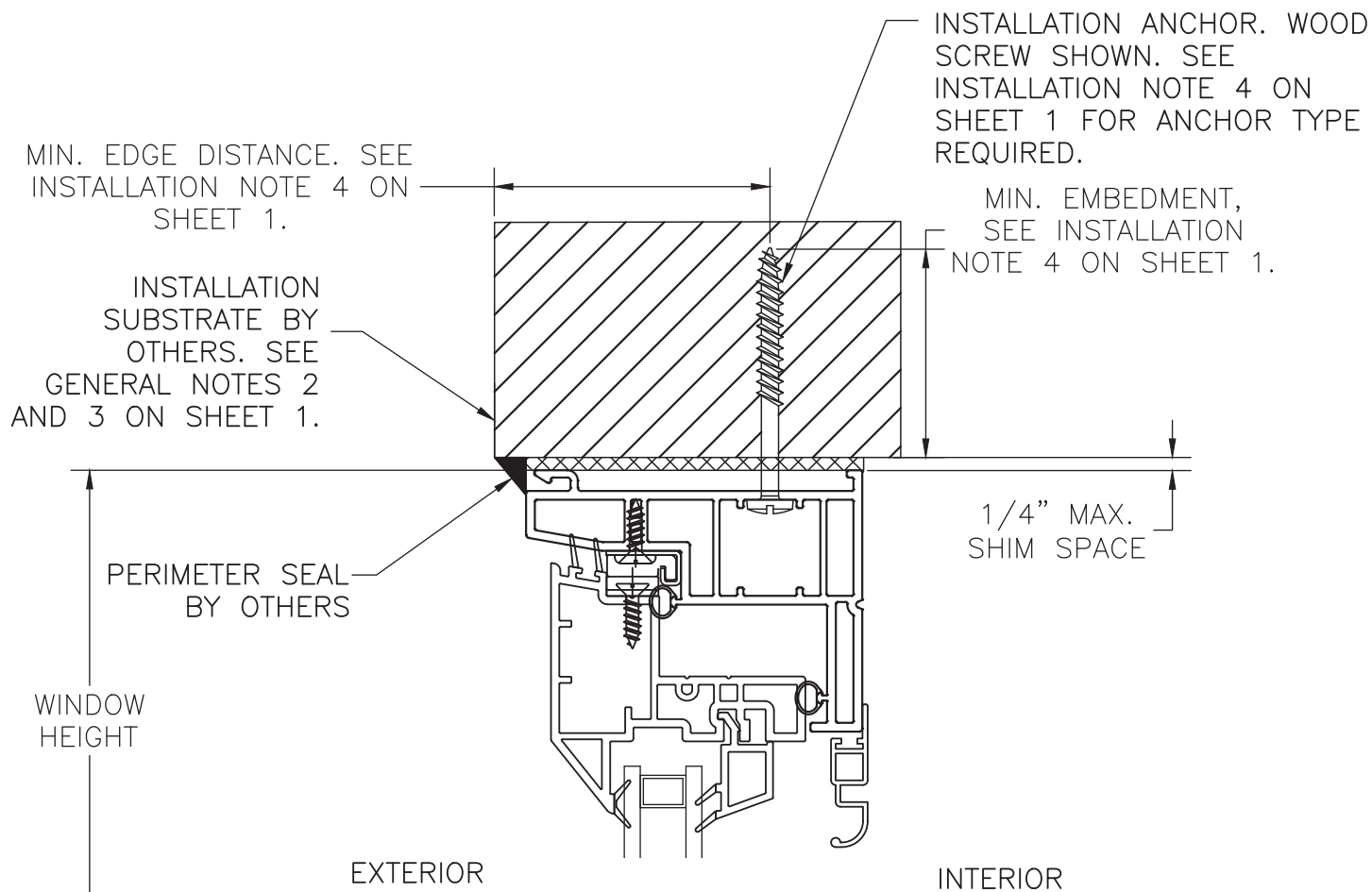
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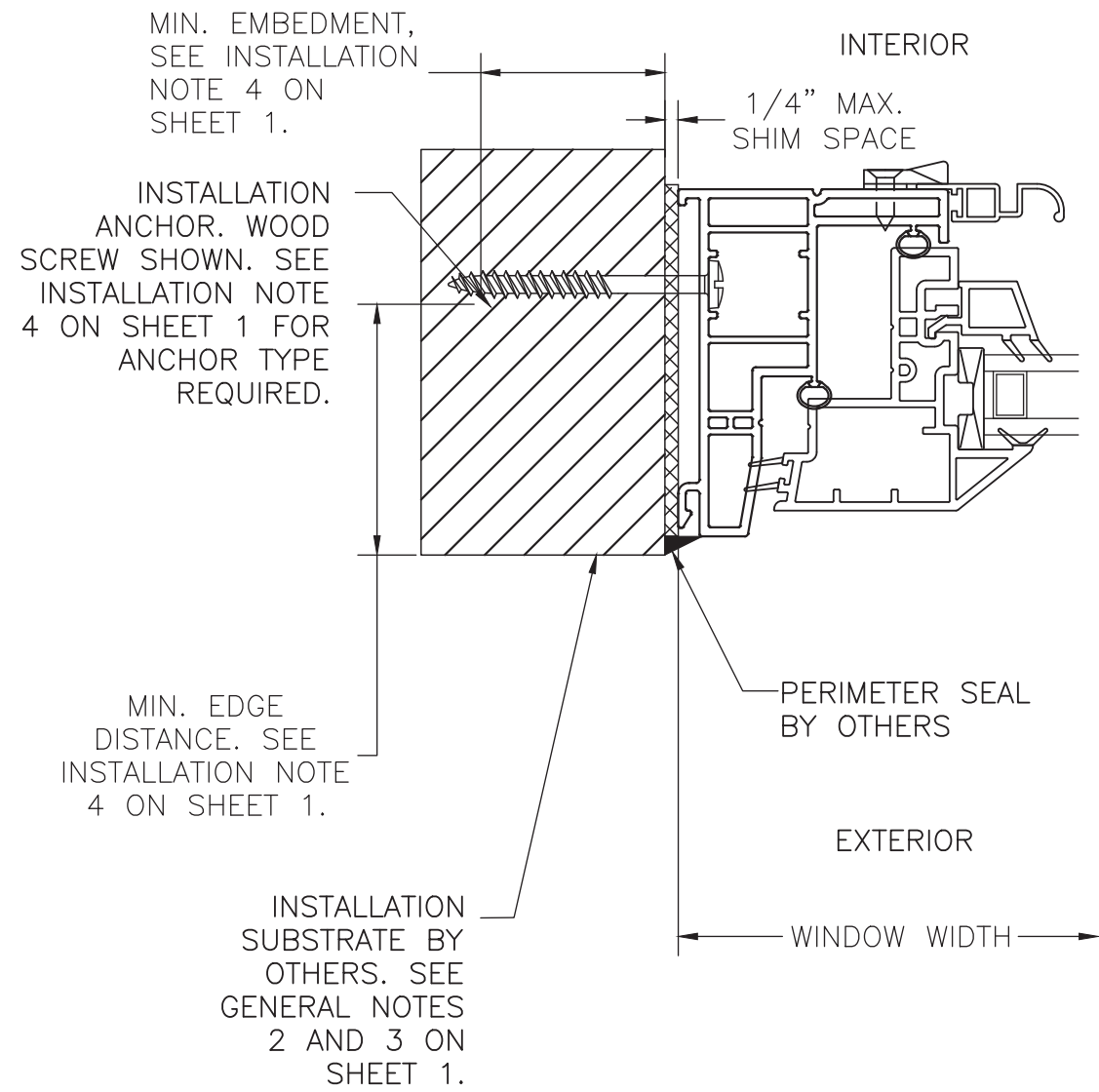
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VERTICAL CROSS SECTION A-A
WOOD FRAMING, 2X WOOD BUCK,
CONCRETE/MASONRY OR METAL FRAME
APPROVED

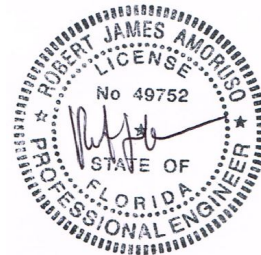


HORIZONTAL CROSS SECTION B-B
WOOD FRAMING, 2X WOOD BUCK,
CONCRETE/MASONRY OR METAL FRAME
APPROVED

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

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851 TITLE: 1359 VINYL OS CASEMENT WINDOW / SERIES 1000 ANNEAL GLAZING VERTICAL AND HORIZONTAL SECTIONS	DRAWN BY:	RJA	DATE:	4/23/2020
	SCALE:	N.T.S.	DRAWING NO.:	RPLS0084
	REV:	A	SHEET:	3 OF 4
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BILL OF MATERIALS

1359 VINYL CASEMENT / SERIES 1000 ANNEAL GLAZING PACKAGE			
Supplier	Part Numbers	Description	Quantity
VISION EXTR. GRP. LTD	IV White 1083 / 7733	Master Frame (H)	2
VISION EXTR. GRP. LTD	IV White 1083 / 7733	Master Frame (W)	2
VISION EXTR. GRP. LTD	IV White 1084 / 7734	Sash Frame (Operating Sash) / (H)	2
VISION EXTR. GRP. LTD	IV White 1084 / 7734	Sash Frame (Operating Sash) / (W)	2
VISION EXTR. GRP. LTD	IV White 1080 / 7753	Glazing Bead Stop (Operating Sash) / (H)	2
VISION EXTR. GRP. LTD	IV White 1080 / 7753	Glazing Bead Stop (Operating Sash) / (W)	2
Shapes Unlimited	06516NEW192	Single Leg Frame New White (H)	2
Shapes Unlimited	06516NEW192	Single Leg Frame New White (W)	2
Phifer	3000020	Fiberglass Screen Cloth Charcoal / 36" x 600'	1
Imperial Plastic USA	EX-FLX-Q165-BK	Screen Spline (H / W)	4
Hygrade Metals	CK252X260	Aluminum Corner Keys	4
Hygrade Metals	ST-888-168-0.062	Sash Frame (Operating Sash) / (H)	2
Hygrade Metals	ST-888-168-0.062	Sash Frame (Operating Sash) / (W)	2
Ashland Hardware	8794352	Screen Clip Clear	6
Lindenmeyr	W0511022	30PP12-18P50-9/16 X1 3/8 X 3 Foam Block	1
Novagard Silicones	02-MX0150010C2	Accessory Parts Installation Translucent	1
Sika US	552 Sikaflex Black	Wet Glaze (Operating Sash)	1
Amesbury /Truth	22648	Sash Lifter	1
Amesbury /Truth	51.11.00.211	Encore Awning Operator	1
Amesbury /Truth	14.97.00.230	HGE CSM UL Assembly Standard	1
Amesbury /Truth	32627.93	Encore Keeper LH	5
Amesbury /Truth	14690.93	Encore LH Stud Bracket	1
Amesbury /Truth	33705	Encore Tie Bar Guide	6
Amesbury /Truth	24.30.32.004	Encore Multi-Point Lock / Short / Gasket	1
Amesbury /Truth	12616.32	Encore Folding Handle	1
Amesbury /Truth	32658	Encore Operator White Gasket	1
Amesbury /Truth	23822	Encore Support Plate	1
Amesbury /Truth	21544	Operator Spacer	1
Amesbury /Truth	32384.93	Track Operator 14.5 Impact	1
Amesbury /Truth	14590.92.00.110	MP Tie Bar Guide	1
Amesbury /Truth	22999.92	Snubber Interlock	10
Amesbury /Truth	19128.92	# 10-24 x 11/16" Self Tapping Machine / Lock Handle	2
GLF Corporation	120934	# 8 x 5/8" Tek / Snubber	20
GLF Corporation	120934	# 8 x 5/8" Tek / Stud Bracket	3
GLF Corporation	120934	# 8 x 5/8" Tek / Sash Hinge	8
GLF Corporation	117595	# 6 x 5/8" Tek / Sash Rebar (H)	4
GLF Corporation	117595	# 6 x 5/8" Tek / Sash Rebar (W)	4
GLF Corporation	119977	# 8 x 1" Tek / Flat Head SS Tiebar Guide	10
GLF Corporation	120145	# 8 x 1/2" Pan Head / Keeper Screws	10
GLF Corporation	127318	# 10 x 1" FLT Sharp Point / Operator Screws	6
GLF Corporation	116506	# 5 x 3/8" Tek / Screen Clips White	4
Frank Lowe	2NB-8K-0.0062-028-064	Glass Setting Blocks Sash (W) Top / Sash (H)	4
Cardinal	Single Strength Anneal	Operating Sash / 3.9 Q366 / 15.8 FED / 3.9	1

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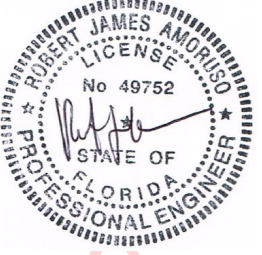
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