

REGENCY PLUS, INC.
SERIES TECH 5605 VINYL AWNING (PROJECT-OUT BOTTOM) WINDOW
LARGE MISSILE IMPACT
INSTALLATION ANCHORAGE DETAILS

NOTES:

1.

THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2.

2X WOOD FRAMING, 1X OR 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.

3.

1X BUCK OVER CONCRETE/MASONRY IS OPTIONAL. WHEN 1X BUCK IS USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME AND 1X BUCK INTO CONCRETE/MASONRY SUBSTRATE. WHEN USED, 1X BUCKS SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE AND IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD. 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 TAS 201, TAS 202 AND TAS 203. SEE TEST REPORT NO. NCTL-110-21629-1, DATED 12/14/18 BY NATIONAL CERTIFIED TESTING LABORATORIES, YORK, PA, SIGNED AND SEALED BY HAROLD E. RUPP, FLORIDA P.E.

5.

MATERIAL:

5.1.

FRAME: EXTRUDED RIGID PVC BY VISION EXTRUSIONS GROUP LIMITED PER CURRENT MIAMI-DADE NOTICE OF ACCEPTANCE (NOA).

5.2.

REINFORCEMENT:

5.2.1.

GALVANIZED STEEL TUBE (0.935" X 0.73" X 0.050" THICK, Fy = 30-50 ksi & Fu = 37.5-68.7 ksi) - VENT PERIMETER

5.2.2.

CONTOURED-SHAPED RIGID VINYL, ITEM NO. 3 GLAZING BEAD USED TO REINFORCE FRAME - FRAME PERIMETER

5.3.

LAMINATE GLASS INTERLAYER: TROSIFOL INTERLAYER BY KURARAY AMERICA, INC. PER CURRENT MIAMI-DADE NOTICE OF ACCEPTANCE (NOA).

6.

GLAZING:

6.1.

GLAZING DETAIL AS TESTED:

6.1.1.

OVERALL: 7/8" NOMINAL INSULATING LAMINATED GLASS.

6.1.2.

GLASS THICKNESS: (1) LITE OF 1/8" NOMINAL TEMPERED GLASS TO THE INTERIOR AND (1) LITE OF LAMINATED GLASS TO THE EXTERIOR.

6.1.3.

LAMINATED LITE: (2) LITES OF 1/8" NOMINAL ANNEALED GLASS SEPARATED BY A 0.090" TROSIFOL INTERLAYER BY KURARAY AMERICA, INC.

6.1.4.

SPACER TYPE/SIZE: 7/16" NOMINAL CARDINAL XL EDGE STAINLESS STEEL SPACER (TYPE SS-D).

6.1.5.

GLAZING SYSTEM: INTERIOR GLAZED WITH (2)-LEAF DUAL DUROMETER AND SIKAFLEX "552" BACKBEDDING WITH A SNAP-IN (2)-LEAF DUAL DUROMETER RIGID VINYL GLAZING BEAD.

6.2.

ALL SETTING BLOCKS AND GASKET MATERIALS SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER. GASKET MATERIALS SHALL BE EDPM WITH A MINIMUM 60 SHORE A DUROMETER.

6.3.

AS TESTED GLAZING MEETS ASTM E1300-09e FOR THE DESIGN CONDITIONS SHOWN IN THIS PRODUCT APPROVAL DOCUMENT.

7.

APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS INCLUDING THE HVHZ.

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/MASONRY USE 1/4" HEX HEAD TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO CONCRETE WITH 1 1/2" MINIMUM EDGE DISTANCE AND 1" MINIMUM EMBEDMENT INTO MASONRY WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. 4" MINIMUM SPACING BETWEEN ADJACENT ANCHORS REQUIRED. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

10.

FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE ONE OF THE FOLLOWING:

10.1.

#12 PAN HEAD WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 7/8" MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR-TO-ANCHOR SPACING OF 2" ON CENTER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

10.2.

#14 PAN HEAD WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR-TO-ANCHOR SPACING OF 2" ON CENTER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

11.

FOR ANCHORING INTO METAL STRUCTURE USE #14 PAN OR HEX HEAD SHEET METAL OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL WITH 3/4" MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR-TO-ANCHOR SPACING OF 2" ON CENTER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

12.

ALL FASTENERS TO BE CORROSION RESISTANT OR HAVE A CORROSION RESISTANT COATING

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 (G) 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 SUBSTRATE: STEEL 18GA (0.0428"), Fy = 33KSI / Fu = 45 KSI OR ALUMINUM 6063-T5 0.048" THICK MINIMUM.

13.4.1.

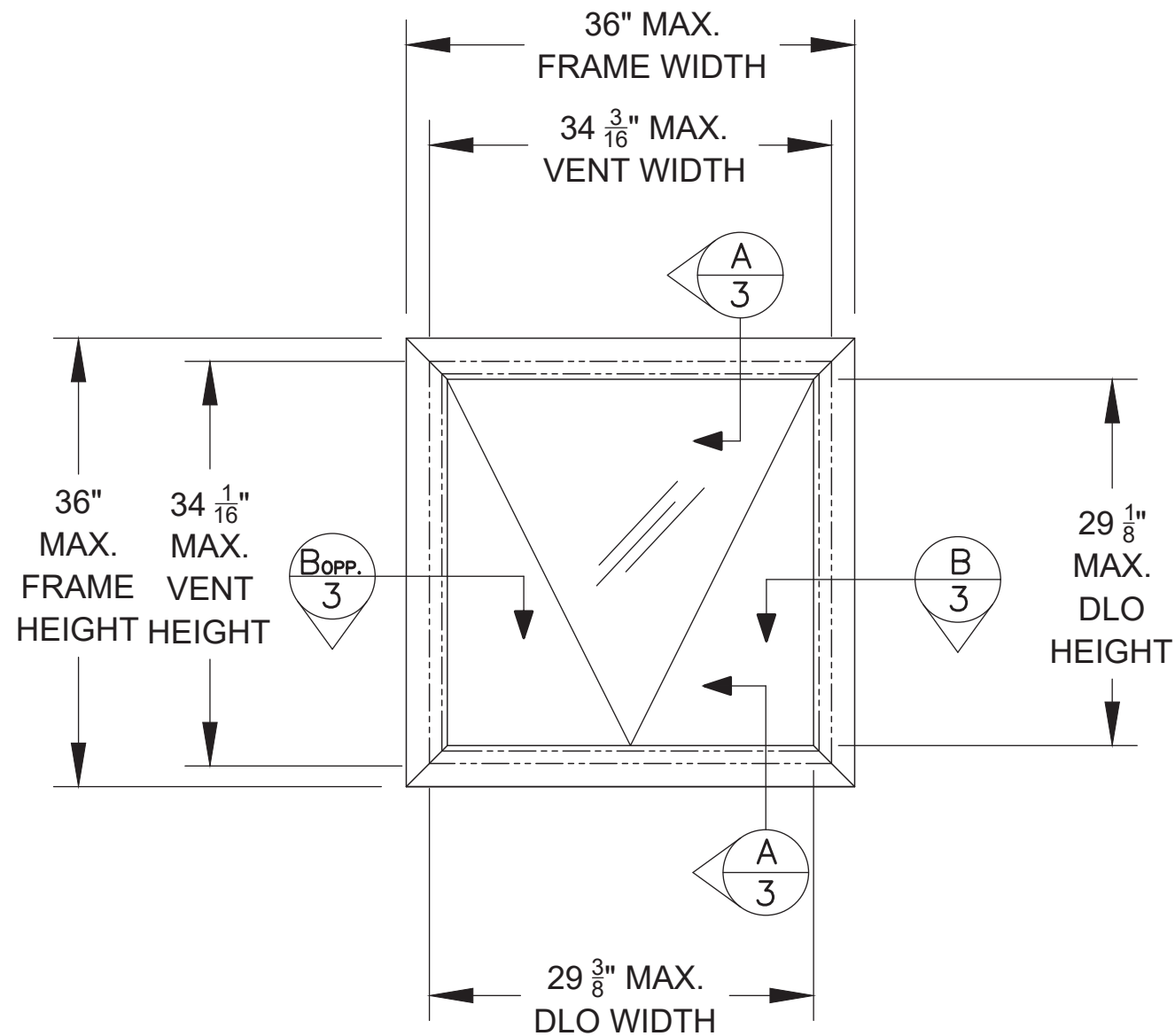
STEEL SUBSTRATE TO MEET MINIMUM FBC HVHZ CODE REQUIREMENTS.

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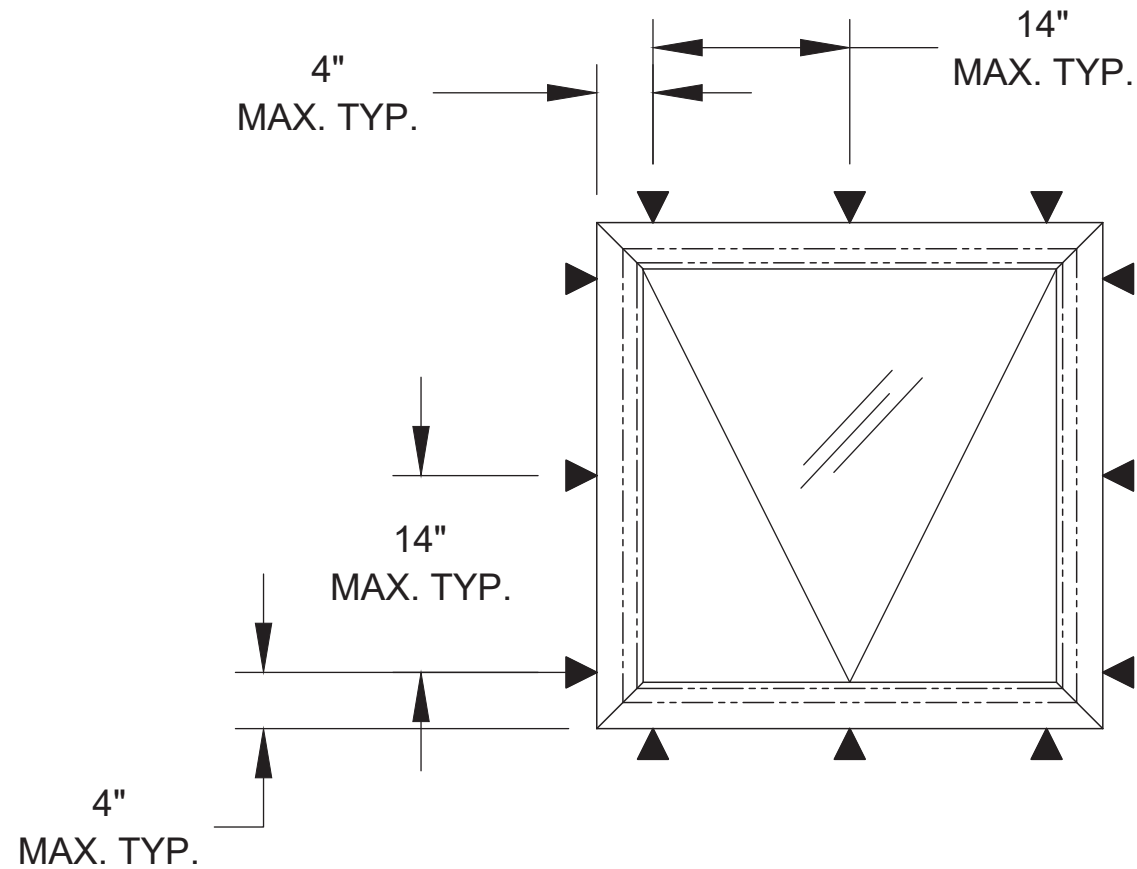
SHEET	DESCRIPTION
1	NOTES
2	ELEVATION & ANCHOR LOCATION

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2	ELEVATION & ANCHOR LOCATION
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4	BILL OF MATERIALS

PROJECT #422-0616	
C	UPDATE REFERENCES
B	UPDATE TO CURRENT FBC
A	REVISED NOTES
REV	DESCRIPTION
TITLE: REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851	
NOTES SERIES TECH 5605 VINYL AWNING WINDOW - LMI	
DRAWN BY: RJA	DATE: 2/14/19
SCALE: N.T.S.	DRAWING NO: RPLS0079
REV: C	SHEET: 1 OF 4
 PTC Product Design Group, LLC PO Box 520775, Longwood, FL 32752-0775 321-690-1788 info@ptc-corp.com FBPE Cert. of Auth. No. 25935	
Robert J. Amoruso, P.E. Florida P.E. No. 49752	
	
Digitally signed by Robert J Amoruso Date: 2023.09.04 17:04:37 -04'00'	



**SERIES TECH 5605 VINYL AWNING
(PROJECT-OUT BOTTOM) WINDOW**
EXTERIOR VIEW



**SERIES TECH 5605 VINYL AWNING
(PROJECT-OUT BOTTOM) WINDOW**
EXTERIOR VIEW - ANCHORAGE

INSTALLATION NOTES:

1. HEAD AND SILL ANCHORAGE THE SAME.
2. JAMB ANCHORAGE SAME.
3. +/- 1" TOLERANCE ON ANCHOR LOCATION.
 - 3.1. TAPCON MINIMUM SPACING IS 4" OC.
 - 3.2. WOOD AND TAPPING SCREW MINIMUM SPACING IS 2" OC.

NOTES:

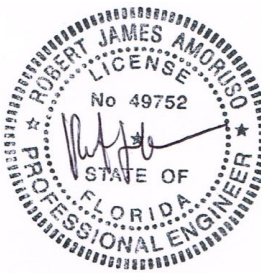
1. MAXIMUM ACTIVE PANEL (VENT) SIZE: 34.19" X 34.06" (34-3/16" X 34-1/16")
2. DAYLIGHT OPENING (DLO) SIZE: 29.38" X 29.12" (29-3/8" X 29-1/8")
3. NO WEEP HOLES EMPLOYED

DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+55.0/-55.0	LARGE MISSILE IMPACT

PROJECT #422-0616	UPDATE	5/31/23	RJA
	REFERENCES		
	UPDATE TO CURRENT FBC	10/28/20	RJA
	REVISED NOTES	5/3/19	RJA
	DESCRIPTION	DATE	BY
C			
B			
A			
REV			

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851		TITLE: SERIES TECH 5605 VINYL AWNING WINDOW - LMI ELEVATION AND ANCHOR LAYOUT	
 PTC Product Design Group, LLC PO Box 520775, Longwood, FL 32752-0775 321-690-1788 info@ptc-corp.com FBPE Cert. of Auth. No. 25935		DRAWN BY: RJA	DATE: 2/14/19
		SCALE: N.T.S.	DRAWING NO: RPLS0079
		REV: C	SHEET: 2 OF 4

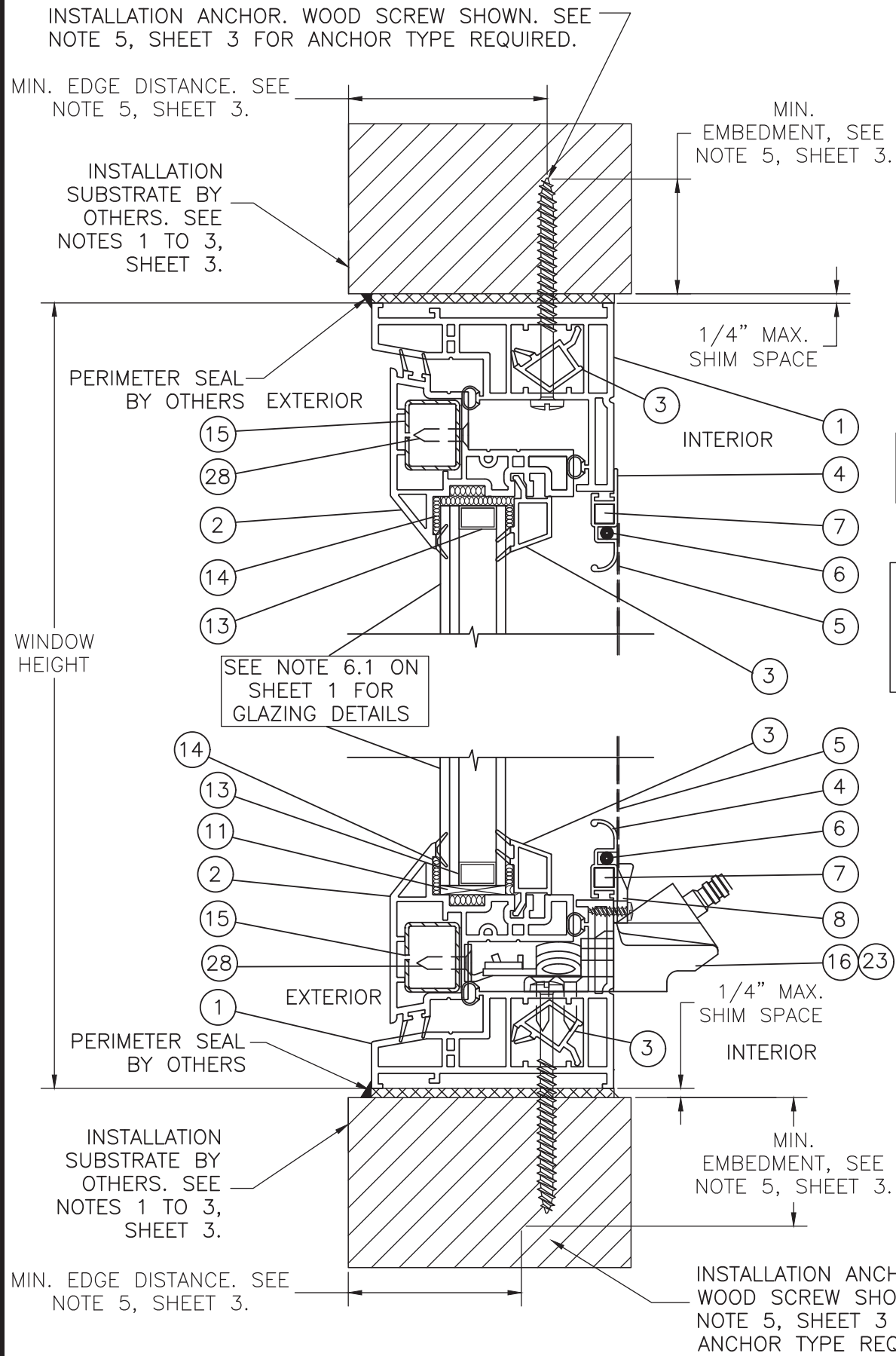
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



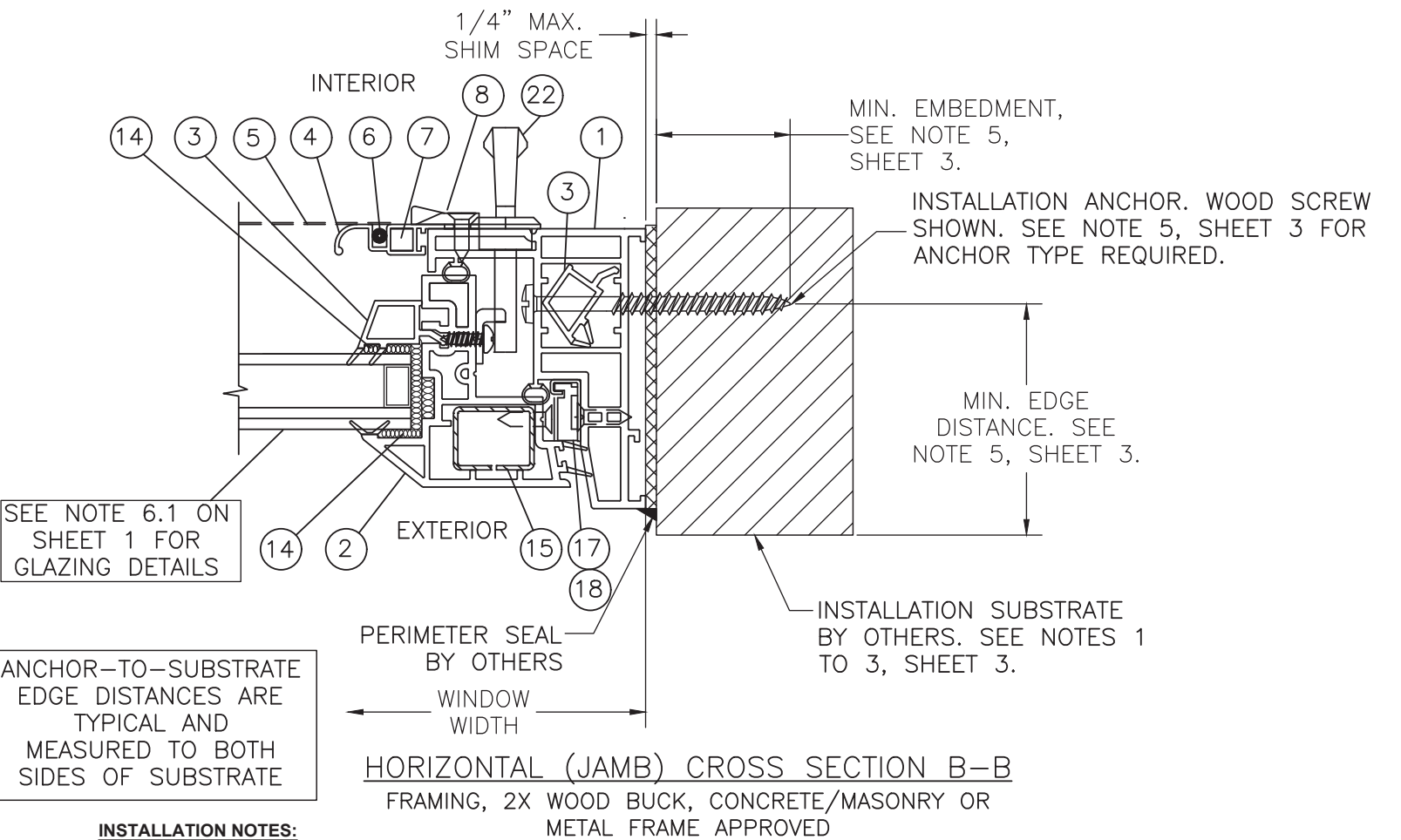
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by Robert J
Amoruso

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



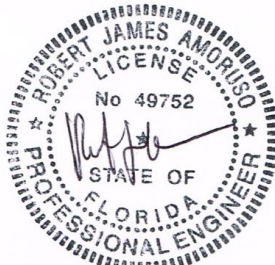
INSTALLATION NOTES:

- APPROVED INSTALLATION SUBSTRATES INCLUDE THE FOLLOWING:
 - WOOD FRAMING,
 - STEEL STUD FRAMING,
 - ALUMINUM FRAMING, AND
 - CONCRETE AND/OR MASONRY.
- 2X WOOD FRAMING, 1X OR 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. WHEN 1X BUCK IS USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME AND 1X BUCK INTO CONCRETE/MASONRY SUBSTRATE. WHEN USED, 1X BUCKS SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE AND IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD. 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.
- 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".
- SUBSTRATE ANCHORING METHODS:
 - FOR ANCHORING INTO CONCRETE/MASONRY USE 1/4" HEX HEAD TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO CONCRETE WITH 1 1/2" MINIMUM EDGE DISTANCE AND 1" MINIMUM EMBEDMENT INTO MASONRY WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. 4" MINIMUM SPACING BETWEEN ADJACENT ANCHORS REQUIRED. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.
 - FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE ONE OF THE FOLLOWING:
 - #12 PAN HEAD WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 7/8" MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR-TO-ANCHOR SPACING OF 2" ON CENTER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.
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 - FOR ANCHORING INTO METAL STRUCTURE USE #14 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 AND MINIMUM ANCHOR-TO-ANCHOR SPACING OF 2" ON CENTER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.
- INTERIOR AND EXTERIOR FINISHES BY OTHERS. NOT SHOWN FOR CLARITY.
- PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED AND/OR SPECIFIED IN ACCORDANCE WITH ASTM E2112.

PROJECT #422-0616	DATE	BY
	5/31/23	RJA
	10/28/20	RJA
UPDATE REFERENCES	UPDATE TO CURRENT FBC	REVISED NOTES
C	B	A
DESCRIPTION	DATE	BY
REV	5/3/19	RJA

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851	DATE: 2/14/19	
	DRAWN BY: RJA	DRAWING NO: RPLS0079
	SCALE: N.T.S.	REV: C
SHEET: 3 OF 4		
PTC Product Design Group, LLC PO Box 520775, Longwood, FL 32752-0775 321-690-1788 info@ptc-corp.com FBPE Cert. of Auth. No. 28935		

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Florida P.E. No. 49752



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by Robert J
Amoruso
Date:
2023.09.04
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Series Tech 5605 Impact Awning / Bill of Material				
Item No.	Description	Part Numbers	Supplier	Material (Note)
Frame Components				
1	Master Frame	IV White 1083 / 7733	VISION EXTR. GRP. LTD	White PVC (2)
2	Sash Frame (Operating Sash)	IV White 1084 / 7734	VISION EXTR. GRP. LTD	White PVC (2)
3	Glazing Bead Stop (Operating Sash)	IV White 1080 / 7753	VISION EXTR. GRP. LTD	White PVC (2)
Screen Components				
4	Single Leg Frame New White	06516NEW192	Shapes Unlimited	Aluminum
5	Fiberglass Screen Cloth Charcoal / 36" x 600'	3000020	Phifer	Fiberglass
6	Screen Spline	EX-FLX-Q165-BK	Imperial Plastic USA	
7	Aluminum Corner Keys	CK252X260	Hygrade Metals	Aluminum
8	Screen Clip Clear	8794352	Ashland Hardware	
9	30PP12-18P50-9/16 X1 3/8 X 3 Foam Block	W0511022	Lindenmeyr	
10	Accessory Parts Installation Translucent	02-MX0150010C2	Novagard Silicones	
Glazing				
11	Glass Setting Blocks Sash	2NB-8K-0.0062-028-064	Frank Lowe	Neoprene w/70 to 90 Shore A Durometer
12	Operating Sash E366 2.7mm / 0.09 Trosifol PVB Interlayer IG	Hurricane Laminate Impact	Cardinal	Kuraray America, Inc. Trosifol PVB
13	ENDUR IG with XL Edge SS Spacer (SS-D TYPE)	---	Cardinal	Stainless Steel
14	Wet Glaze (Operating Sash)	552 Sikaflex Black	Sika US	
Reinforcement, Hardware and Hardware Fasteners				
15	Sash Frame Reinforcement (Operating Sash)	ST-888-168-0.062	Hygrade Metals	.050" Galv. (1)
16	Encore Awning Operator	51.11.00.211	Amesbury /Truth	
17	HGE CSM UL Assembly Impact	14.97.00.230	Amesbury /Truth	
18	HGE CSM LL Assembly Impact	14.97.00.231	Amesbury /Truth	
19	Encore Keeper LH	32627.93	Amesbury /Truth	
20	Encore Keeper RH	32626.93	Amesbury /Truth	
21	Encore Tie Bar Guide	33706	Amesbury /Truth	
22	Encore Multi-Point Lock / Short / Gasket	24.30.32.004	Amesbury /Truth	
23	Encore Folding Handle	12614.32	Amesbury /Truth	
24	Encore Operator White Gasket	32658	Amesbury /Truth	
25	Spacer Operator Impact	21544	Amesbury /Truth	
26	MP Tie Bar Guide	14583.92.00.110	Amesbury /Truth	
27	# 10-24 x 11/16" Self Tapping Machine	19128.92	Amesbury /Truth	
28	# 6 x 5/8" Tek / Sash Rebar (2 per rebar evenly spaced)	117595	GLF Corporation	
29	# 8 x 5/8" Tek / Sash Hinge	120934	GLF Corporation	
30	# 6 x 5/8" Tek / Frame Hinge	117598	GLF Corporation	
31	# 6 x 5/8" Tek / Tie Bar Guide	117598	GLF Corporation	
32	# 8 x 1/2" Pan Head / Keeper Screws	120145	GLF Corporation	
33	# 10 x 1" FLT Sharp Point / Operator Screws	127318	GLF Corporation	
34	# 5 x 3/8" Tek / Screen Clips White	116506	GLF Corporation	
Installation Fasteners				
35	#12 OR #14 WOOD SCREW	n/a	n/a	Steel
36	1/4" ADVANCED THREADFORM TAPCON	n/a	ITW	Steel
37	#14 SHEET METAL OR SELF-DRILLING SCREW	n/a	n/a	Steel

(1) Hygrade Metals Specification: AISI 1005 to 1010, CS Type A and B, 30 ksi to 50 ksi Yield Strength, G40 Galvanized
(2) ENERGI FENESTRATION SOLUTIONS USA, INC., PER MD NOA. NO. 18-0122.02

PROJECT #422-0616

UPDATE REFERENCES

C

5/31/23

10/28/20

5/3/19

DATE

DESCRIPTION

REV

REGENCY PLUS, INC.

2000 LOCUST GAP HIGHWAY

MT. CARMEL, PA 17851

TITLE: SERIES TECH 5605 VINYL AWNING WINDOW - LMI

BILL OF MATERIALS

DRAWN BY: RJA

DATE: 2/14/19

SCALE: N.T.S.

DRAWING NO: RPLS0079

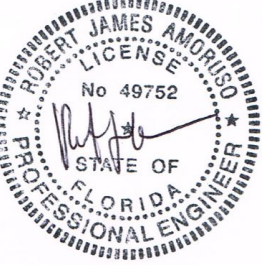
REV: C

SHEET: 4 OF 4



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Date:
2023.09.04
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