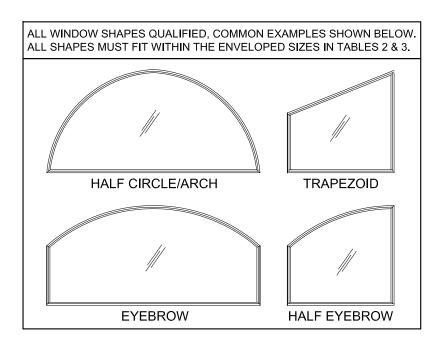
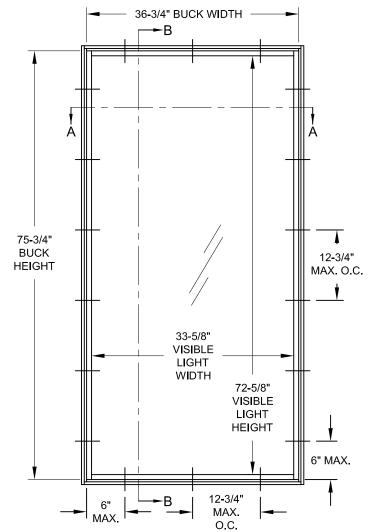
PW3120V SMALL MISSILE & LARGE MISSILE (LEVEL C) IMPACT RESISTANT, VINYL PICTURE WINDOW

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND THE 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) FOR THE DESIGN PRESSURES LISTED.
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS AT THE FOLLOWING LOCATIONS:
 - A) WITHIN 1 MILE OF THE COASTAL MEAN HIGH WATER LINE WHERE THE ULTIMATE WIND SPEED IS EQUAL TO OR GREATER THAN 130 MPH AND LESS
 - B) GREATER THAN 1 MILE FROM THE COASTAL MEAN HIGH WATER LINE WHERE THE ULTIMATE WIND SPEED IS GREATER THAN OR EQUAL TO 140 MPH AND LESS THAN 150 MPH.
- 3) MASONRY ANCHORS MAY BE USED INTO WOOD. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 5) SHIMS ARE REQUIRED AT EACH FLANGE/EQUAL LEG ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.
- 6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD, ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE IBC/IRC FOR CORROSION RESISTANCE.





TYP. ANCHOR LOCATIONS @ TESTED SIZE (FLANGE / EQUAL LEG FRAME)

REFER TO TABLES 2 & 3 FOR APPROVED SIZES.

Revision:

Series/Model:

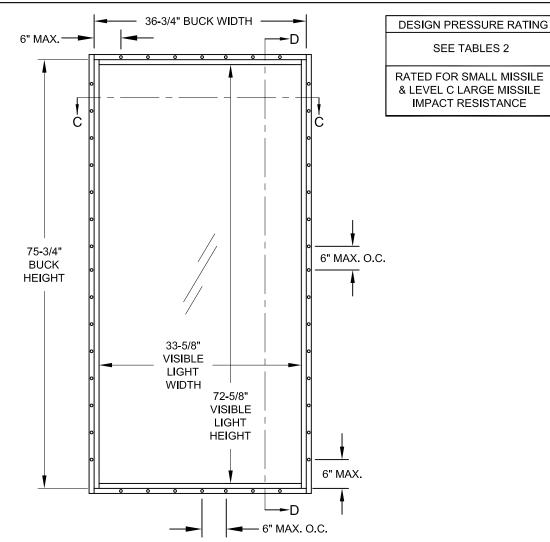
PW3120V

TABLE 1:

Glass Types							
1	1/8" AN Cap, 5/16" Airspace, 1/8" AN, 0.045" Trosifol PVB, 1/8" AN						
2	1/8" TP Cap, 5/16" Airspace, 1/8" AN, 0.045" Trosifol PVB, 1/8" AN						
3	1/8" AN Cap, 5/16" Airspace, 1/8" HS, 0.060" Trosifol PVB, 1/8" HS						
4	1/8" TP Cap, 5/16" Airspace, 1/8" HS, 0.060" Trosifol PVB, 1/8" HS						

TROSIFOL PVB INTERLAYER MANUFACTURED BY KURARAY AMERICA, INC.

AN = ANNEALED GLASS HS = HEAT-STRENGTHENED GLASS TP = TEMPERED GLASS



SEE TABLES 2

IMPACT RESISTANCE

A. LYNN MILLER, P.E.

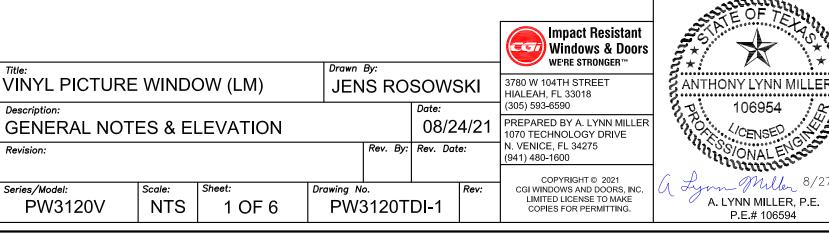
P.E.# 106594

TYP. ANCHOR LOCATIONS @ TESTED SIZE (INTEGRAL FIN / J-CHANNEL FRAME)

REFER TO TABLES 2 & 3 FOR APPROVED SIZES.

TABLE 2:

Window E	Buck Size	Design Pressure		Glazing	Certification	
Width	Height	(+) psf	(-) psf	(see Table 1)	Number	
32-3/4"	71-3/4"	50.0	50.0	Types 1 & 2	NI015336.01	
36-3/4"	75-3/4"	50.0	50.0	Types 3 & 4	NI015336	



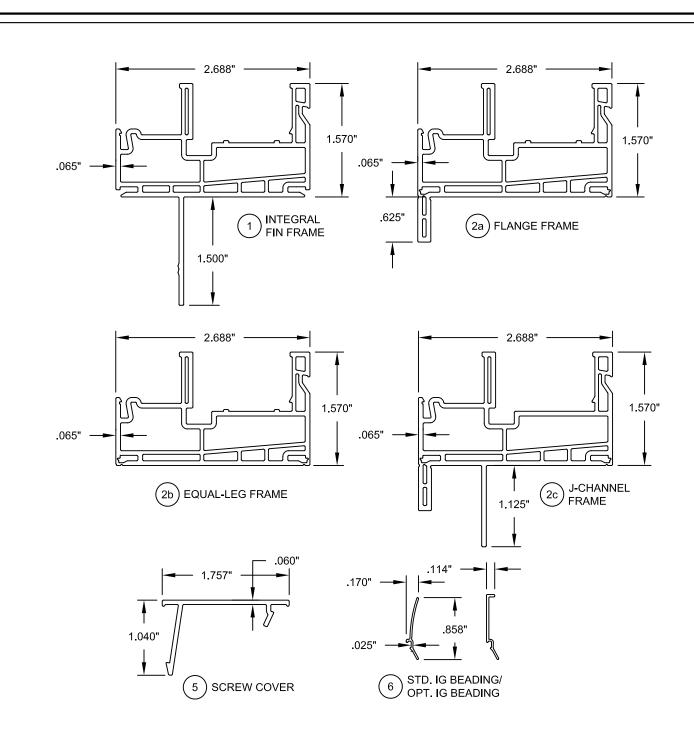
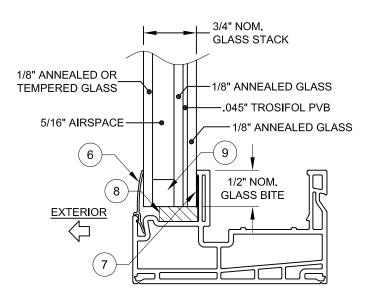
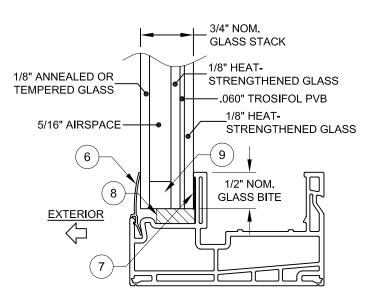


TABLE 3:

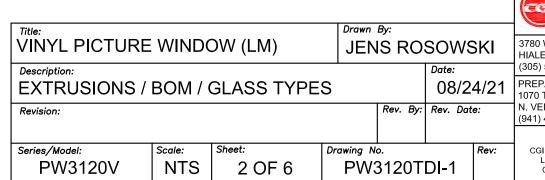
Item #	Part#	Description	Material
1	3358	Integral Fin Frame	Rigid PVC
2a	3356	Flange Frame	Rigid PVC
2b	3356	Equal-leg Frame	Rigid PVC
2c	3356	J-Channel Frame	Rigid PVC
5	8395	Screw Cover	Rigid PVC
6	3190	Std./Opt. IG Beading	Rigid PVC
7		Sika 552, Dow 791 or 983 Backbedding	Silicone
8		Setting Block, 1/8" x 3/4" x 2" or 1/8" x 3/4" x 3/4"	
		Kommerling Kodispace 4SG TPS	
9	varies	Quanex Super Spacer nXT with Hot Melt Butyl	varies
		Metal IG Spacer	



GLASS TYPE 1 (W/ ANNEALED CAP)
GLASS TYPE 2 (W/ TEMPERED CAP)



GLASS TYPE 3 (W/ ANNEALED CAP)
GLASS TYPE 4 (W/ TEMPERED CAP)





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