



element**SHIELD**<sup>TM</sup>

VINYL

PW920V FIXED WINDOW,  
IMPACT RESISTANT,  
FLANGE, EQUAL-LEG & FIN FRAMES

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

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.

4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH.

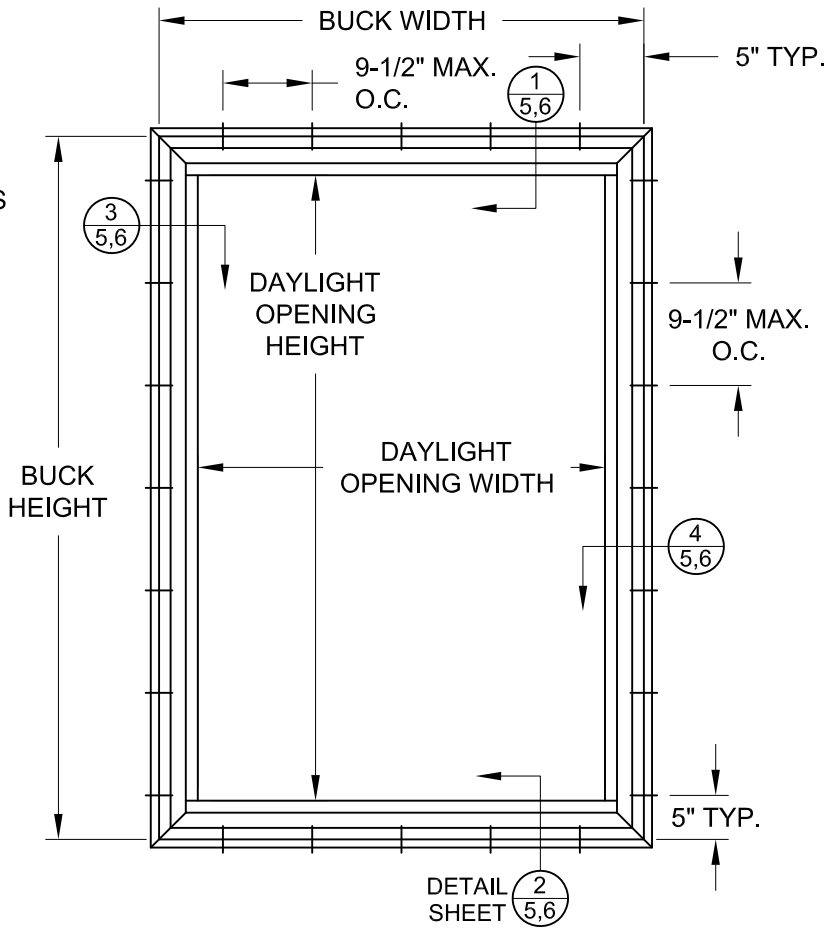
5) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.

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 FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

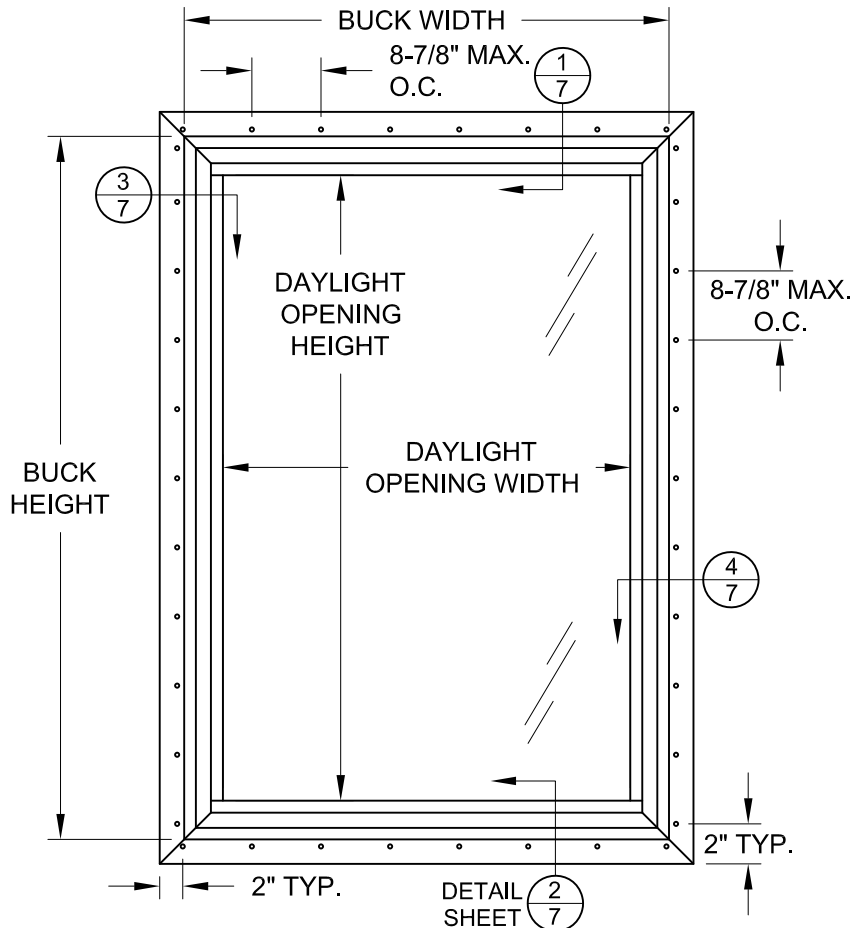
7) FLANGES OR INTEGRAL FINS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

FLORIDA PRODUCT APPROVAL #38620

DP RATING	LARGE & SMALL
SEE TABLES A-I	MISSILE IMPACT RESISTANT

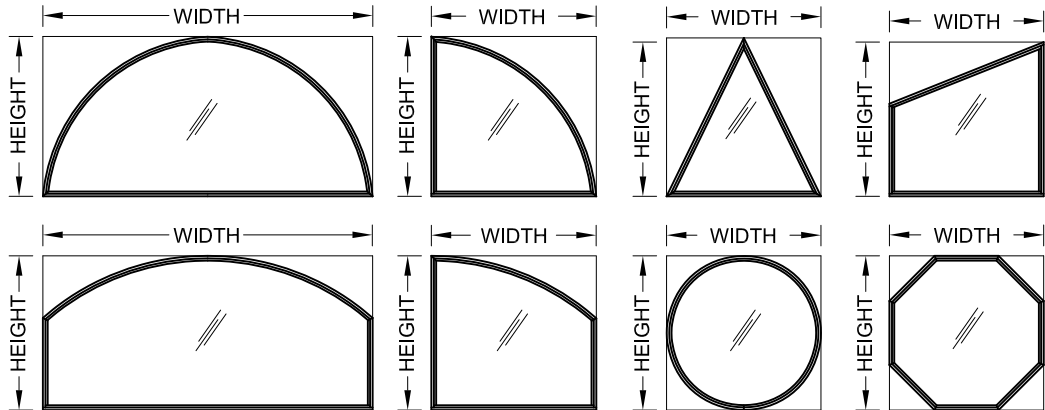


TYP. ANCHOR LOCATIONS  
(FLANGED FRAME, EQUAL-LEG SIM.)  
SEE TABLES A-I FOR SIZES



TYP. ANCHOR LOCATIONS  
(INTEGRAL FIN FRAME)  
SEE TABLES A-I FOR SIZES

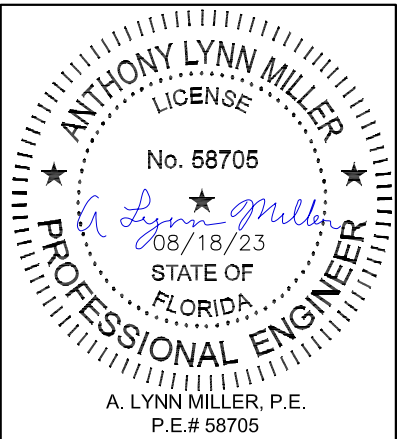
SHAPES AS SHOWN BELOW, OR SIMILAR, MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES FOR THAT BLOCK SIZE FROM THE TABLES ON SHEETS 2-6.



ALL TEMPERED AND/OR LAMINATED GLASS OPTIONS IN THIS APPROVAL HAVE BEEN CERTIFIED BY THE SGCC FOR COMPLIANCE TO ANSI Z97.1, CLASS A AND CPSC 16 CFR 1201, CATEGORY II. THIS INCLUDES LAMINATED GLASS THAT IS MANUFACTURED WITH ANNEALED GLASS PLYS. FOR APPLICATIONS WHERE THE WINDOW IS BEING USED AS A GUARD, HEAT STRENGTHENED OR TEMPERED LAMINATED GLASS MUST BE USED.

DAYLIGHT OPENING WIDTH = BUCK WIDTH - 4.25  
DAYLIGHT OPENING HEIGHT = BUCK HEIGHT - 4.25

Prepared by A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2023 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	04/17/23 Date	LOGAN YODER By	HR920V-FPA-LM
Impact Resistant Windows & Doors CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018	VINYL FIXED WINDOW (LM)	ELEVATION & GENERAL NOTES	1 OF 11 Sheet	PW920V



Rev. #	08/17/23	MINOR EDITORIAL UPDATES
A		

TABLE A:

Window Design Pressure (+/- psf)																				
Glass Type 1: 7/8" LIG: (1/8" A - AIRSPACE - 5/16" A/A .090" PVB)																				
WINDOW DIMENSIONS		Long Side (in.)																		
		48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84
Short Side (in.)	18	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
	20	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
	22	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
	24	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
	26	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.6	68.2
	28	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.0	66.9	65.2	64.1	63.0	62.1	61.3
	30	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	68.2	65.0	63.3	62.0	60.8	59.6	58.4	57.4	56.3
	32	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	67.8	64.6	62.4	60.6	58.7	57.0	55.7	54.5		
	34	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	67.9	64.8	62.6	60.8	58.8	56.9	54.9				
	36	70.0	70.0	70.0	70.0	70.0	70.0	70.0	67.3	64.5	62.7	61.1	59.3	57.4						
	38	70.0	70.0	70.0	70.0	70.0	70.0	67.2	64.4	62.5	60.9	59.2								
	40	70.0	70.0	70.0	70.0	70.0	67.6	64.6	62.7	60.9										
	42	70.0	70.0	70.0	70.0	68.2	65.0	62.9												
	44	70.0	70.0	70.0	69.2	65.8	63.3													
	46	70.0	70.0	70.0	67.2	64.0														
	48	70.0	70.0	68.8	65.2															

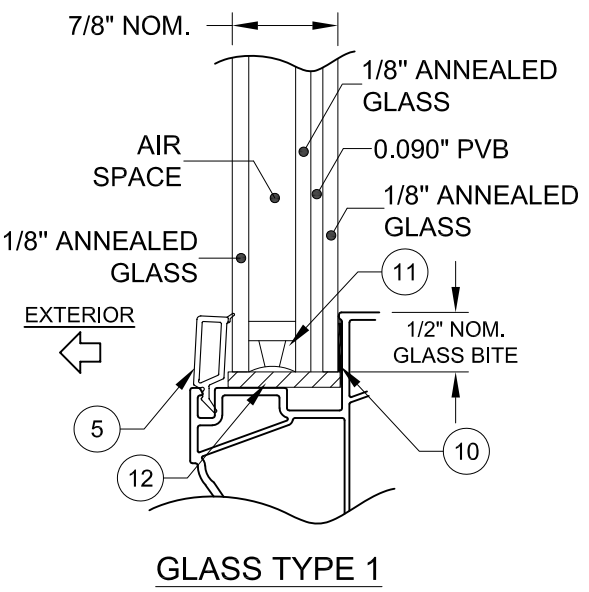
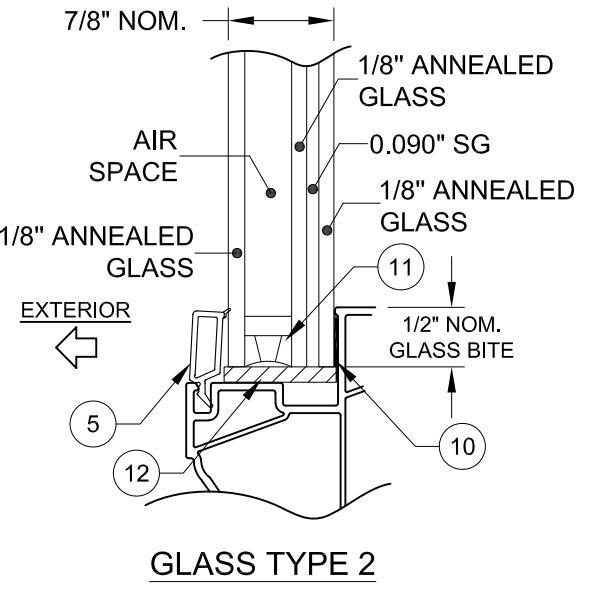


TABLE B:

Window Design Pressure (+/- psf)																				
Glass Type 2: 7/8" LIG: (1/8" A - AIRSPACE - 5/16" A/A .090" SG)																				
WINDOW DIMENSIONS		Long Side (in.)																		
		62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98
Short Side (in.)	32	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	34	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	36	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.2	58.4	57.6	56.9
	38	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.7	57.4	56.3	55.5	54.7	53.9
	40	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.6	58.1	56.7	55.2	53.8	52.8	51.9	51.1
	42	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.4	57.9	56.3	54.8	53.4	52.3	51.2	50.2	49.1
	44	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.8	58.6	57.4	56.1	54.7	53.2	52.0	50.9	49.8	48.7	47.6
	46	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.1	57.8	56.5	55.2	53.9	52.9	51.8	50.8	49.6	48.4	47.3	46.2
	48	60.0	60.0	60.0	60.0	60.0	60.0	58.7	57.3	55.9	54.6	53.3	52.2	51.2	50.2	49.2	48.2	47.2	46.0	44.8
	50	60.0	60.0	60.0	60.0	59.4	58.3	57.0	55.6	54.1	52.9	51.7	50.6	49.6	48.6	47.5	46.5	45.6	44.6	43.5
	52	60.0	60.0	60.0	58.7	57.4	56.1	55.0	53.8	52.7	51.4	50.3	49.1	48.0	46.9	45.9	44.9	43.8	43.0	
	54	60.0	59.6	58.1	56.7	55.3	54.1	53.0	52.0	51.1	50.1	48.9	47.7	46.5	45.4	44.3	43.2			
	56	59.4	57.7	56.2	54.7	53.4	52.3	51.2	50.3	49.3	48.4	47.4	46.3	45.1	43.9	42.8				
	58	57.6	55.9	54.3	53.0	51.8	50.7	49.6	48.6	47.6	46.6	45.6	44.7	43.7						
	60	55.9	54.1	52.7	51.5	50.3	49.2	48.0	47.0	45.9	44.9	43.9	43.0							
	62	54.1	52.6	51.3	50.1	48.9	47.7	46.5	45.4	44.3	43.2									



NOTES: 1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

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Impact Resistant  
Windows & Doors

CGI WINDOWS AND DOORS  
3780 W. 104TH STREET  
HIALEAH, FL 33018

By Logan Yoder

Date 04/17/23

VINYL FIXED WINDOW (LM)

DP TABLES & GLASS TYPES

2 OF 11

PW920V

HR920V-FPA-LM

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
08/18/23  
STATE OF FLORIDA  
A. LYNN MILLER, P.E.  
P.E.# 58705

TABLE C:

Window Design Pressure (+/- psf)																				
Glass Type 3: 7/8" LIG: (1/8" T - AIRSPACE - 5/16" A/A .090" PVB)																				
WINDOW DIMENSIONS	Long Side (in.)																			
	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	
Short Side (in.)	18	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
	20	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
	22	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
	24	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
	26	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
	28	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.0	68.1
	30	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	68.9	67.5	66.2	64.9	63.8	62.6	
	32	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.4	67.3	65.2	63.3	61.9	60.6			
	34	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.6	67.5	65.4	63.2	61.0					
	36	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.7	67.8	65.9	63.7							
	38	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.5	67.6	65.8									
	40	70.0	70.0	70.0	70.0	70.0	70.0	69.6	67.6											
	42	70.0	70.0	70.0	70.0	70.0	69.2													
	44	70.0	70.0	70.0	70.0	69.2														
	46	70.0	70.0	70.0	69.7															
	48	70.0	70.0	70.0																

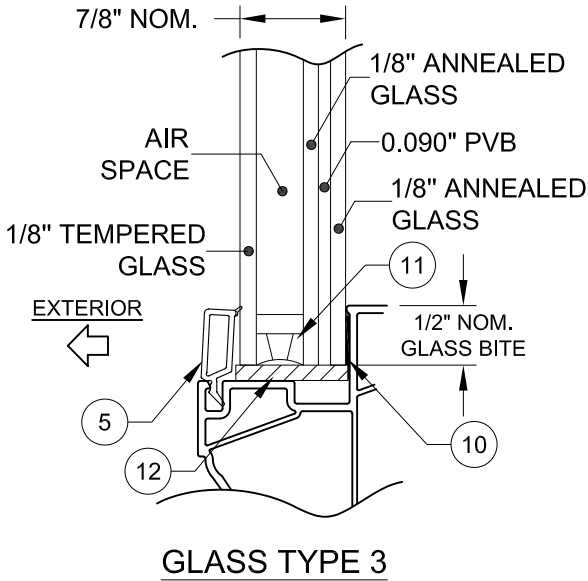
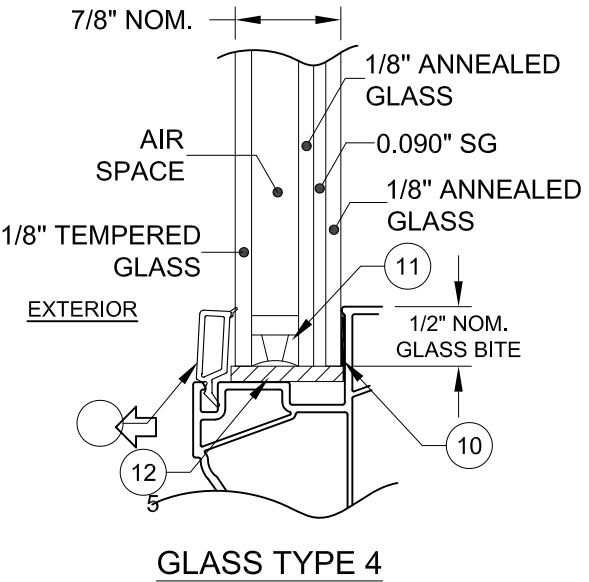


TABLE D:

Window Design Pressure (+/- psf)																				
Glass Type 4: 7/8" LIG: (1/8" T - AIRSPACE - 5/16" A/A .090" SG)																				
WINDOW DIMENSIONS	Long Side (in.)																			
	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	
Short Side (in.)	32	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	34	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	36	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	38	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.9	
	40	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.8	58.6	57.6	56.8	
	42	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.3	58.1	56.9	55.7	54.5	
	44	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.2	57.8	56.6	55.3	54.1	52.9		
	46	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.9	58.7	57.6	56.4	55.1	53.8	52.6	51.3		
	48	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.2	58.0	56.9	55.8	54.7	53.6	52.4	51.1	49.8		
	50	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.7	57.5	56.3	55.1	54.0	52.8	51.7	50.6	49.6	48.3		
	52	60.0	60.0	60.0	60.0	60.0	60.0	59.8	58.5	57.1	55.9	54.6	53.4	52.1	51.0	49.8	48.7	47.7		
	54	60.0	60.0	60.0	60.0	60.0	58.9	57.8	56.8	55.6	54.3	52.9	51.7	50.4	49.2	48.0				
	56	60.0	60.0	60.0	59.3	58.1	56.9	55.9	54.8	53.7	52.7	51.4	50.1	48.8	47.6					
	58	60.0	60.0	58.8	57.6	56.3	55.1	54.0	52.8	51.8	50.7	49.6	48.5							
	60	60.0	58.5	57.2	55.9	54.6	53.4	52.2	51.0	49.8	48.7	47.8								
	62	58.5	57.0	55.7	54.3	52.9	51.7	50.4	49.3	48.0										



NOTES: 1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

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Impact Resistant  
Windows & Doors

CGI WINDOWS AND DOORS  
3780 W. 104TH STREET  
HIALEAH, FL 33018

04/17/23

By  
LOGAN YODER

DWG  
No.  
3 OF 11

Sheet  
PW920V

DP TABLES & GLASS TYPES

VINYL FIXED WINDOW (LM)

HR920V-FPA-LM

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
08/18/23  
STATE OF  
FLORIDA  
A. LYNN MILLER, P.E.  
P.E.# 58705



TABLE E:

Window Design Pressure (+/- psf)																				
Glass Type 5: 7/8" LIG: (1/8" A - AIRSPACE - 5/16" A/A .105" PVB) Flange & Equal LEG Frames ONLY																				
WINDOW DIMENSIONS		Long Side (in.)																		
		41.5	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76
Short Side (in.)	18	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
	20	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
	22	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
	24	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.4		
	26	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.9	81.9					
	28	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0									
	30	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0										
	32	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.9											
	34	85.0	85.0	85.0	85.0	85.0	85.0													
	36	85.0	85.0	85.0	85.0	85.0														
	38	85.0	85.0	85.0																
	40	85.0	85.0																	
	41.5	85.0																		

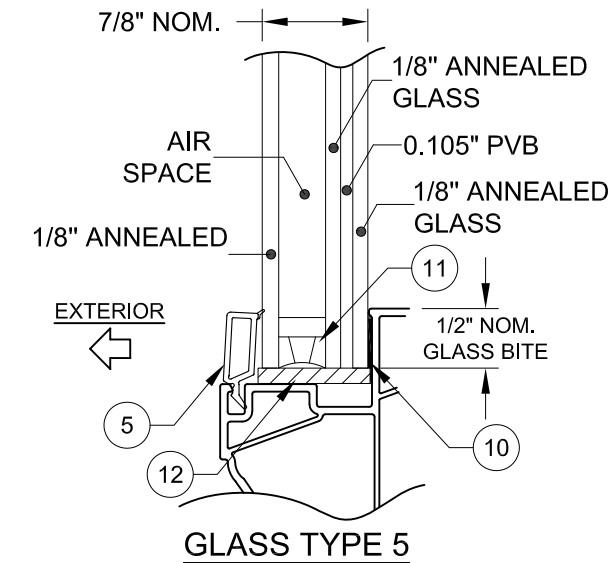
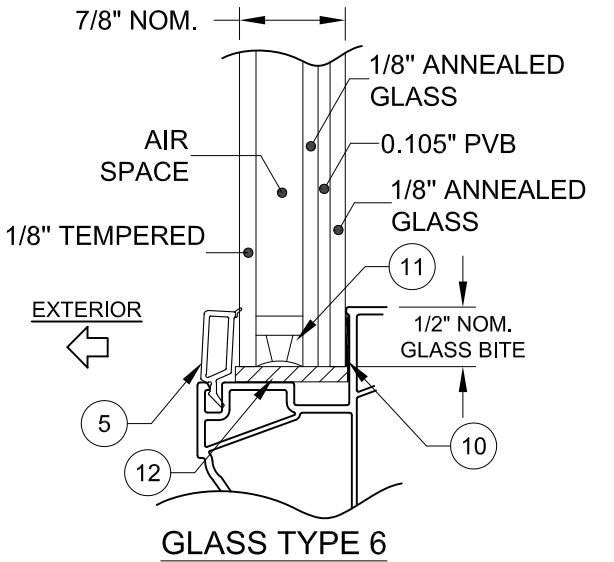


TABLE F:

Window Design Pressure (+/- psf)																				
Glass Type 6: 7/8" LIG: (1/8" T - AIRSPACE - 5/16" A/A .105" PVB) Flange & Equal Leg Frames ONLY																				
WINDOW DIMENSIONS		Long Side (in.)																		
		41.5	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76
Short Side (in.)	18	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
	20	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
	22	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
	24	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0		
	26	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0					
	28	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0								
	30	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0										
	32	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.9											
	34	85.0	85.0	85.0	85.0	85.0	85.0													
	36	85.0	85.0	85.0	85.0	85.0														
	38	85.0	85.0	85.0																
	40	85.0	85.0																	
	41.5	85.0																		



NOTES: 1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

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Impact Resistant  
Windows & Doors

CGI WINDOWS AND DOORS  
3780 W. 104TH STREET  
HIALEAH, FL 33018

VINYL FIXED WINDOW (LM)

DP TABLES & GLASS TYPES

4 OF 11

PW920V

LOGAN YODER

HR920V-FPA-LM

04/17/23

By

Date

4 OF 11

PW920V

LOGAN YODER

HR920V-FPA-LM

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
08/18/23  
STATE OF  
FLORIDA  
A. LYNN MILLER, P.E.  
P.E.# 58705


Rev.#

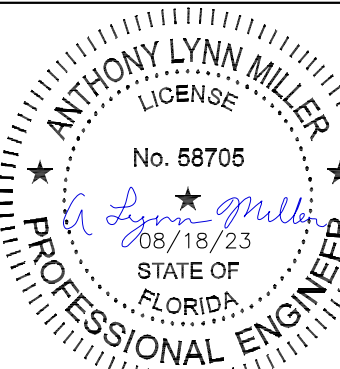
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MINOR EDITORIAL UPDATES

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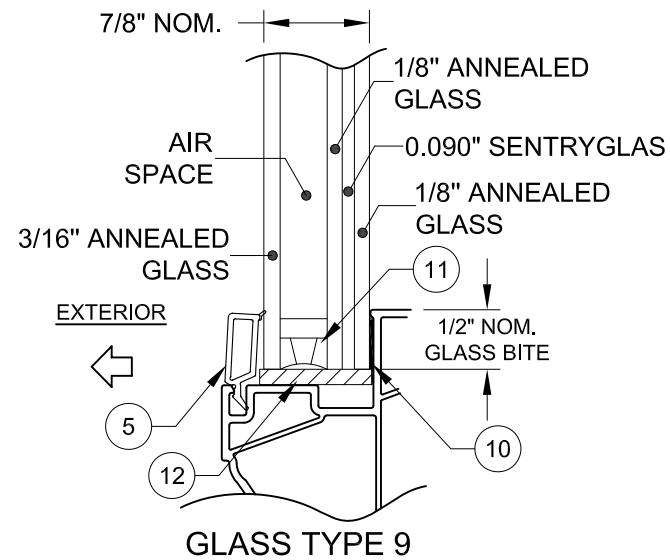
 <b>Impact Resistant Windows &amp; Doors</b>	<b>CGI WINDOWS AND DOORS</b> 3780 W. 104TH STREET HIALEAH, FL 33018		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
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VINYL FIXED WINDOW (LM)	Title	Date	04/17/23	
DP TABLES & GLASS TYPES	Drawn By	LOGAN YODER		
PW920V	Sheet	5 OF 11	DWG No.	HR920V-FPA-LM
Series	Desc.			




ANTHONY LYNN MILLER  
 LICENSE  
 No. 58705  
 08/18/23  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

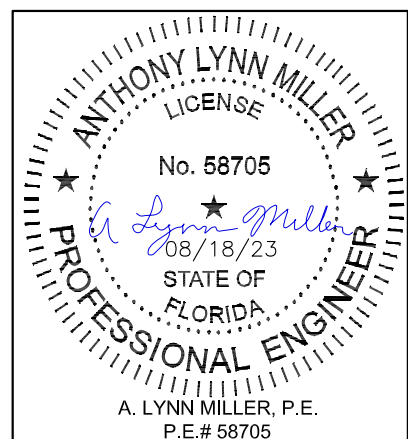
A. LYNN MILLER, P.E.  
 P.E.# 58705

TABLE H:

[illegible]

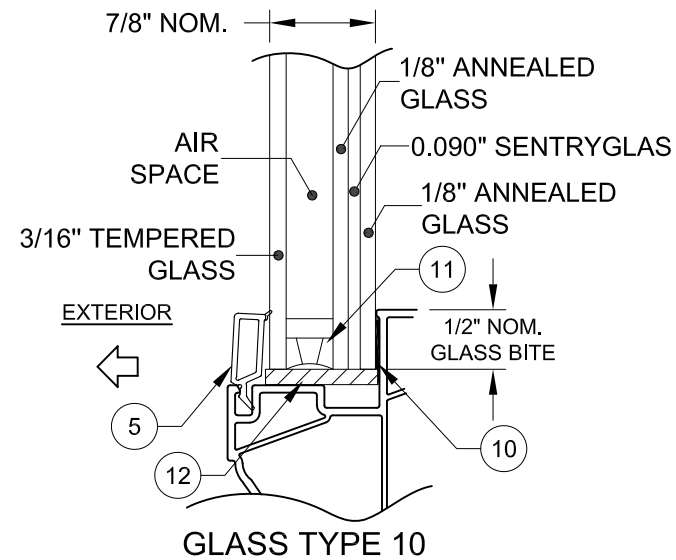
NOTES: 1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

 <b>Impact Resistant Windows &amp; Doors</b>	<b>CGI WINDOWS AND DOORS</b> 3780 W. 104TH STREET HIALEAH, FL 33018		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
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VINYL FIXED WINDOW (LM)	DATE 04/17/23	DRAWN BY LOGAN YODER	HR920V-FPA-LM	
DP TABLES & GLASS TYPES	SHEET NO. 6 OF 11	DESCRIPTION PW920V	TITLE Impact Resistant Windows & Doors	




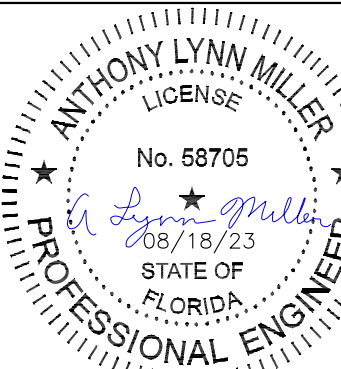
Rev.	MINOR EDITORIAL UPDATES	Date	08/17/23	Rev.#	A
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TABLE I

[illegible]

NOTES: 1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

 <b>Impact Resistant Windows &amp; Doors</b>	<b>CGI WINDOWS AND DOORS</b> 3780 W. 104TH STREET HIALEAH, FL 33018		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
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VINYL FIXED WINDOW (LM)	Title	Date	04/17/23	LOGAN YODER
DP TABLES & GLASS TYPES		By	Logan Yoder	HR920V-FPA-LM
PW920V	Sheet	7 OF 11	DWG No.	HR920V-FPA-LM
Series	Desc.	Title	Date	By



A. LYNN MILLER, P.E.  
 P.E.# 58705



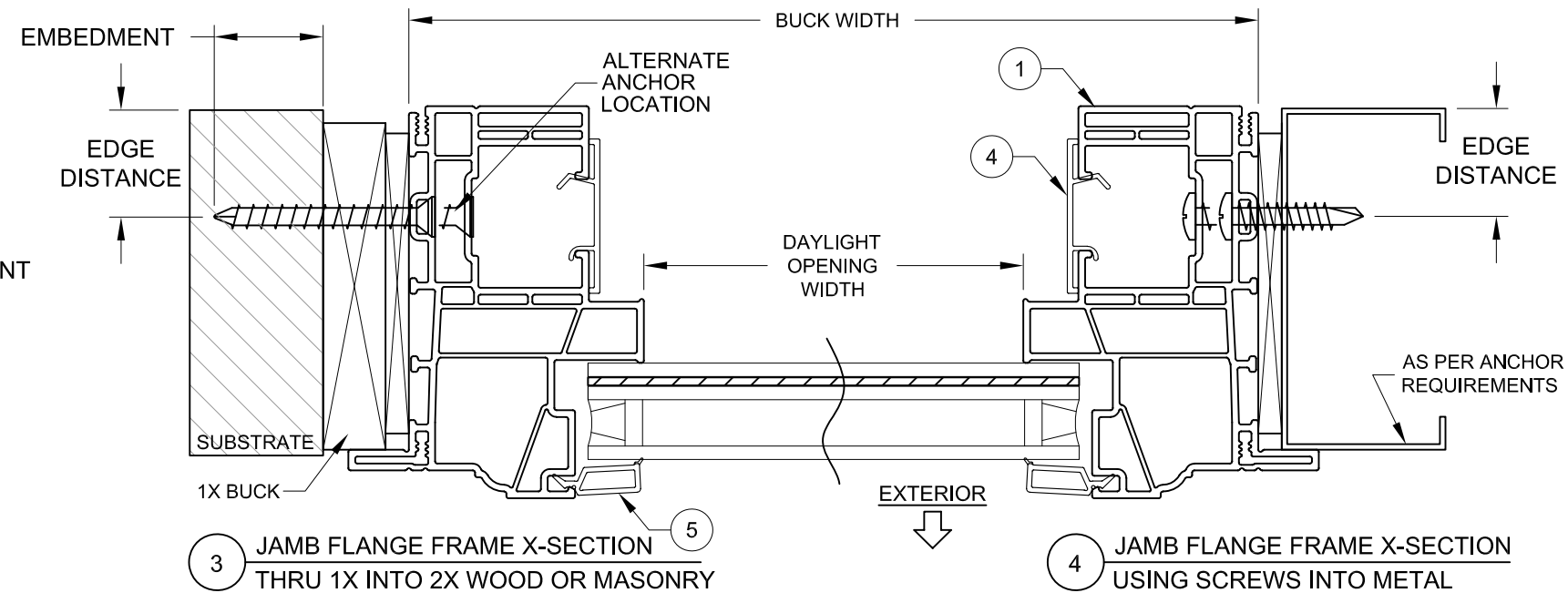
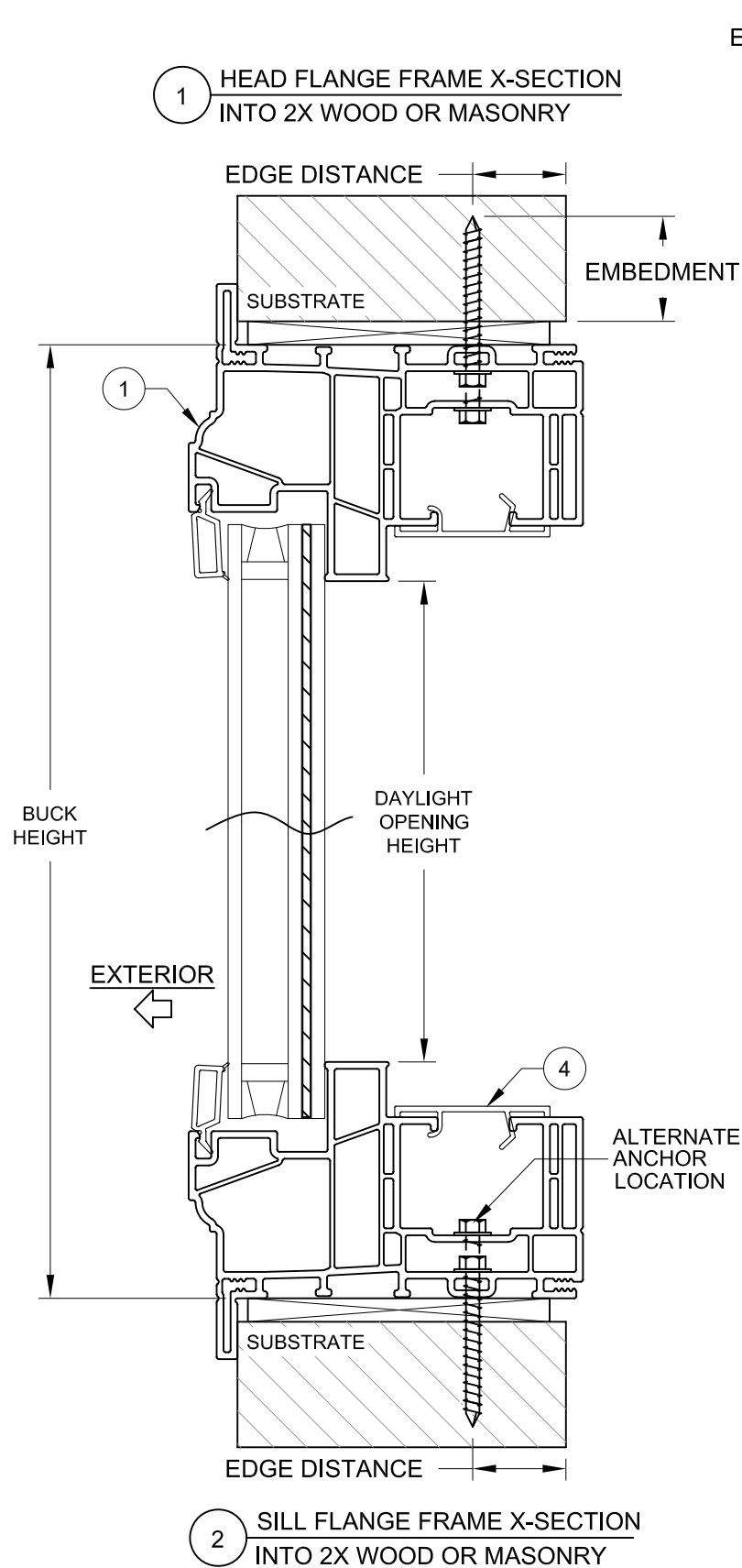


TABLE 2: INSTALLATION ANCHORS

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (20 Ga)
	A36 Steel	3/8"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"
1/4" Steel Ultracon+	Concrete (min. 3.0 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.

2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

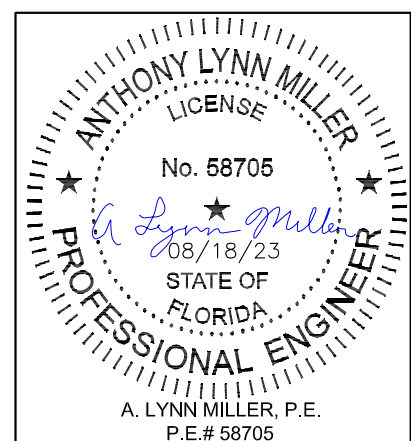
INSTALLATION NOTES:

1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.

2) ANY INSTALLATION OPTION SHOWN (2X BUCK, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.

3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4". ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY OR ALL SIDES OF THE WINDOW.

<b>Impact Resistant Windows &amp; Doors</b> 	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2023 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		04/17/23 Date	
	CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		VINYL FIXED WINDOW (LM)		LOGAN YODER	
	FLANGE INSTALL SECTION VIEWS		8 OF 11		HR920V-FPA-LM	
	PW920V		Sheet		Title	



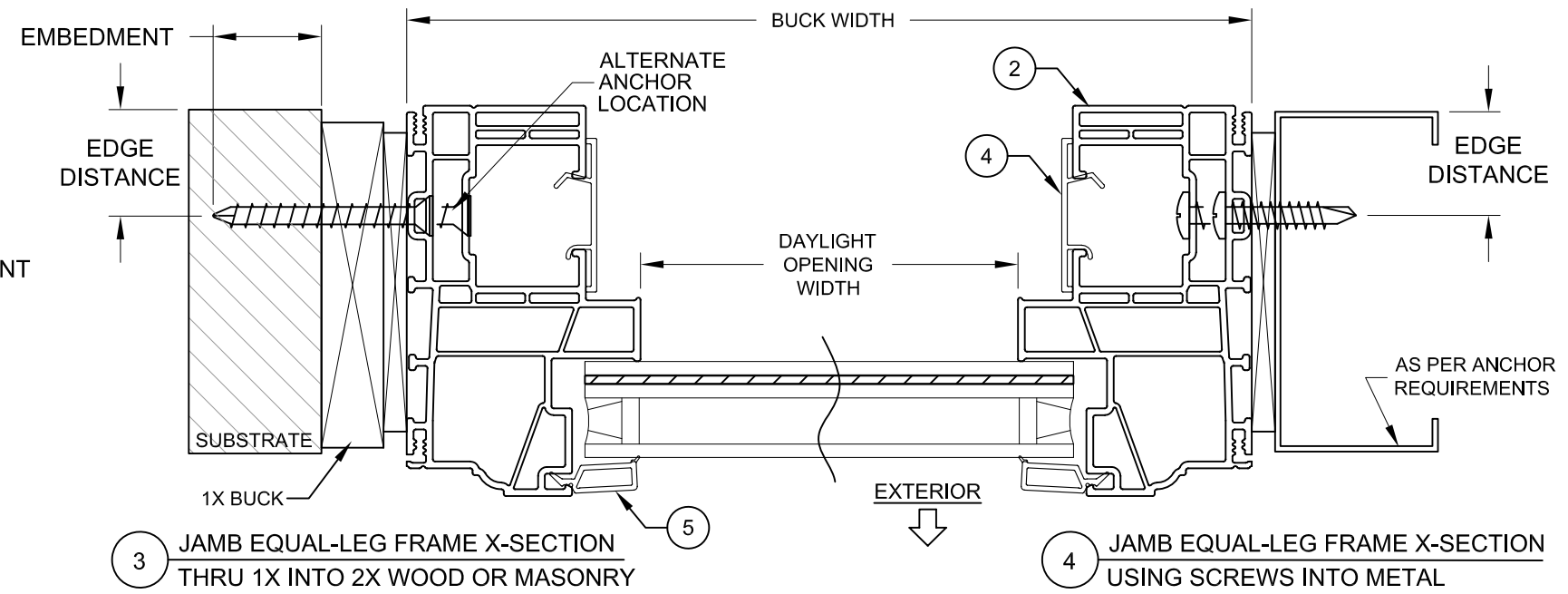
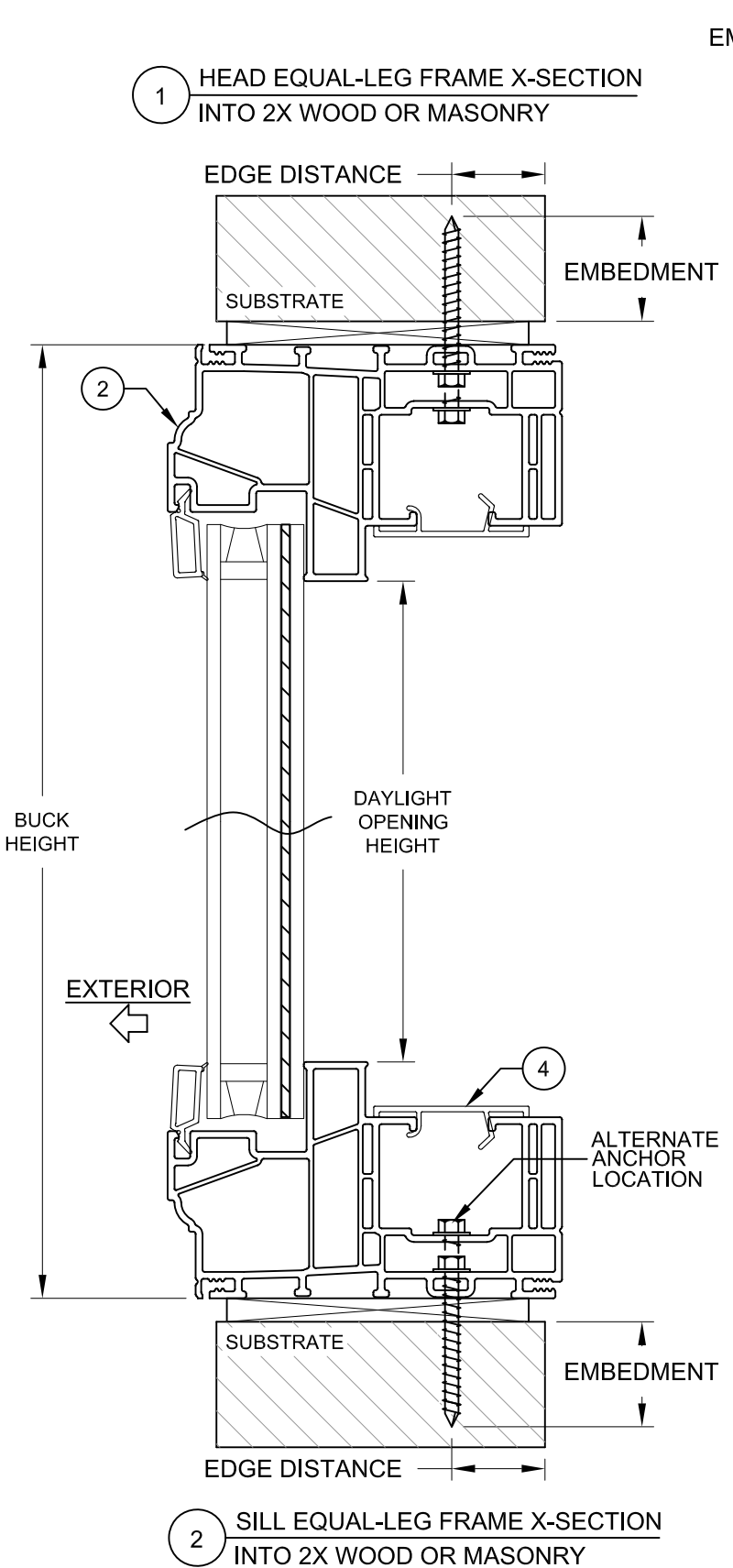


TABLE 3: INSTALLATION ANCHORS

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (20 Ga)
	A36 Steel	3/8"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"
1/4" Steel Ultracon+	Concrete (min. 3.0 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- 2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- 3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

- INSTALLATION NOTES:
- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
- 2) ANY INSTALLATION OPTION SHOWN (2X BUCK, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.
- 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4". ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY OR ALL SIDES OF THE WINDOW.

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
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Impact Resistant  
Windows & Doors

CGI WINDOWS AND DOORS  
3780 W. 104TH STREET  
HIALEAH, FL 33018

04/17/23  
By  
LOGAN YODER

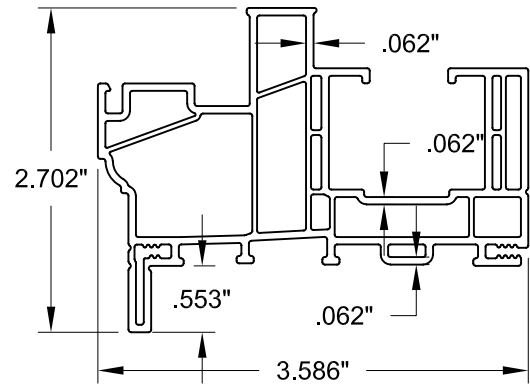
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PW920V

HR920V-FPA-LM

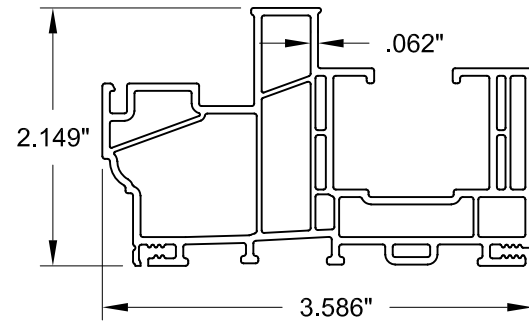
VINYL FIXED WINDOW (LM)  
EQUAL-LEG INSTALLATION  
SECTION VIEWS

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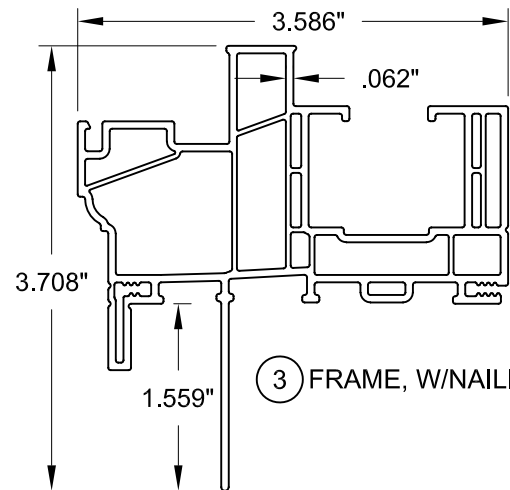




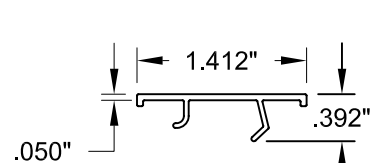
1 FRAME, W/FLANGE



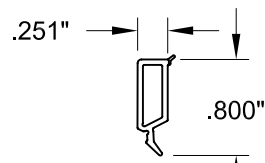
2 FRAME, EQUAL LEG



3 FRAME, W/NAILING FIN



4 ANCHOR COVER



5 GLAZING BEAD

TABLE 5:

#	Part #	Description	Material
1	9465	Frame, w/Flange	PVC
2	9465	Frame, Equal Leg	PVC
3	9455	Frame, w/Nailing Fin	PVC
4	9473	Anchor Cover	PVC
5	9736	Glazing Bead	PVC
10		Glazing compound: RGS7700, Dow 791, 983 or 995	
11		Metal or TPS Spacer	VARIES
12	7061	Setting Block, 1/8" x 7/8" x 2"	EPDM

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1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

CGI WINDOWS AND DOORS  
3780 W. 104TH STREET  
HIALEAH, FL 33018

IMPACT RESISTANT  
WINDOWS & DOORS

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VINYL FIXED WINDOW (LM)

EXTRUSIONS/BOM

11 OF 11

PW920V

11 OF 11

HR920V-FPA-LM

LOGAN YODER

04/17/23

08/17/23

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