Engineering Evaluation Report #740-04102026

Prepared by:
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Manufacturer:
PGT Custom Windows & Doors
3400 Precision Dr.
N. Venice, FL 34275

Product Description:
AW740 Impact-resistant Aluminum Awning Window, (LM), FL2329

Compliance:
The above-mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61 G20-3.005 method 1(d). The product listed herein complies with the requirements of the current Florida Building Code.

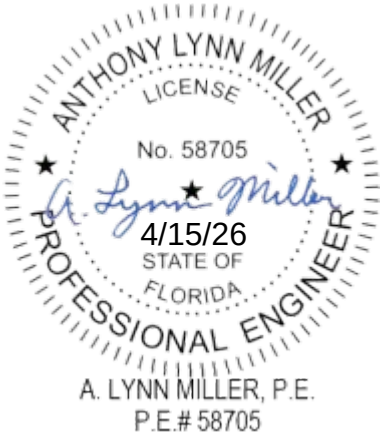
This product has been evaluated and is in compliance with the current Florida Building Code, including the “High Velocity Hurricane Zone” (HVHZ).

Supporting Technical Documentation:
1. Approval document: drawing number AW740-FPA-LM, signed and sealed by A. Lynn Miller, P.E.
2. Test Reports - FTL 7061, 3579, 3580, 3724, signed and sealed by Joseph Chan, P.E.
Fenestration Testing Laboratories, Nokomis, FL 34275
NOK-0157, signed and sealed by Idalmis Ortega, P.E.
QAI Laboratories, North Venice, FL 34275

TAS 201-94 Large Missile Impact Test
TAS 202-94 Uniform Static Air Pressure Test
TAS 203-94 Cyclic Pressure Loading Test

3. Anchor calculations, signed and sealed by A. Lynn Miller, P.E., dated 04/03/26.

Limitations and Conditions of use:
• Units must be glazed per ASTM E1300-09, refer to approval document for glazing details.
• This product is rated to be used in the HVHZ.
• This product is impact resistant and does not require impact protection in wind borne debris regions.
• Frame and panel material to be extruded Aluminum.
• Units must be installed in accordance with approval document.



GENERAL NOTES: SERIES 740 IMPACT RESISTANT AWNING WINDOW

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

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS FOR INSULATED GLASS INSTALLATIONS, ABOVE 33 FT IN THE HVHZ, THE ULTIMATE DESIGN PRESSURE (DP) MUST BE TEMPERED.

3) MATERIALS USED FOR ANCHOR FASTENING INTO SUPPORTING FRAME, MUST BE USED CONCRETE MASONRY UNITS AND CONCRETE WITH A MIN. 8 CF PCF ANCHOR TYPE.

4) ALL WOOD BUCKS LESS THAN 1 1/2" THICK ARE TO BE CONSIDERED AS INSTALLATIONS TO WHICH BUCKS ARE OPTIONAL. IF USED, BUCKS DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 1 1/2" THICK OR GREATER. ALL WOOD 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.

5) ANCHOR EMBEDMENT TO BASIC MATERIAL SHALL BE BEYOND WALLCOVERING OR STUCCO. USE ANCHORS OF EQUIVALENT EMBEDMENT AS SPECIFIED ON TABLE 3, SHEET 7. OVERALL SEALANT/CAULKING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS NOT PART OF THE SCOPE OF THESE INSTRUCTIONS.

6) 1/4" SNAP HEAD SIZE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS BUTT FLUSH TO THE SUBSTRATE. FOR SITE BUILT FIN FRAMES INSTALL ANCHOR AT MAX. 16" O.C. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.

7) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL CYCLE TEST PRESSURE FRAME SHALL PASS AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL CYCLE TEST PRESSURE, FRAME SHALL PASS AND GLASS PER ASTM E1300.
C. DESIGN LOADS MAY BE BASED ON ALLOWABLE STRESS DESIGN, ASD.

8) THE ANCHORAGE METHODS SHOWN HAVE BEEN ENGINEERED 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 WIND-BORNE DEBRIS WINDOWS AND MORE THAT COMPLY WITH LOWER DESIGN LOAD MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR COMPARABLE PRODUCTS.

9) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE.

WINDOW CONFIGURATIONS

A	A	A	A	A	A	A	A	A	A	A	A	A

TABLE 1

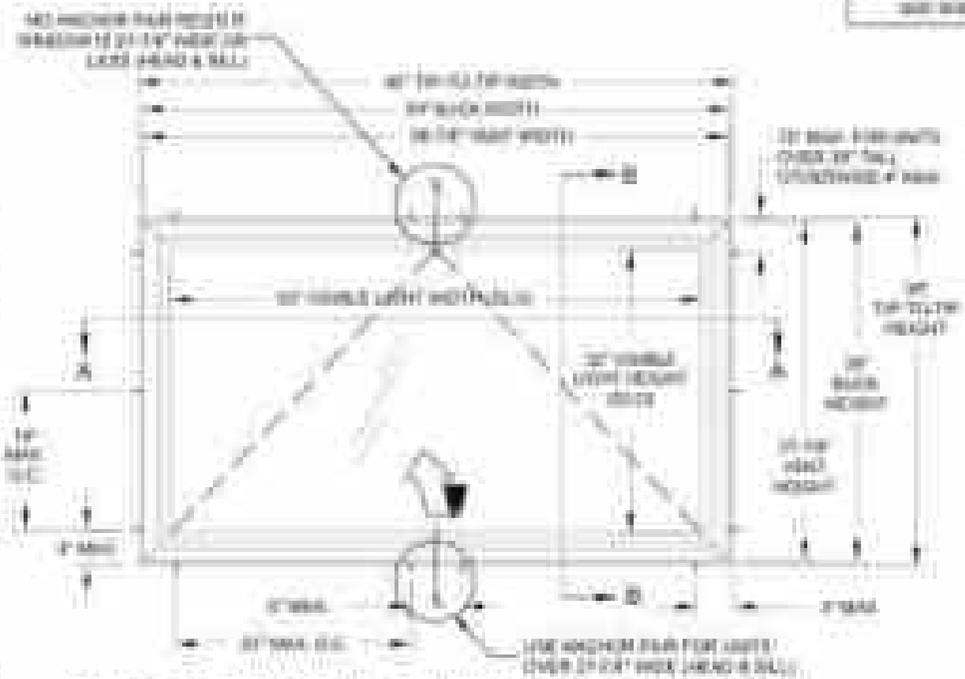
	Glass Types	Sheet #
1	5/16" Lami. [.090" Air - .060" PVB - 1/8" ALL]	6
2	5/16" Lami. [3/16" Air - .060" PVB - 3/16" Ann.]	6, 10
3	5/16" Lami. EC [1/16" Air - 7/16" Air - 1/8" ALL - .060" PVB - 1/8" ALL]	6
4	5/16" Lami. EC [.090" - 7/16" Air - 1/8" Air - .060" PVB - 1/8" ALL]	10
5	5/16" Lami. EC [3/16" Air - 1/4" Air - 3/16" Air - .060" EC - 3/16" Ann.]	11, 12
6	7/16" Lami. EC [3/16" T - 1/4" Air - 3/16" Ann. - .060" EC - 3/16" Ann.]	11, 12

*SYP = TROPICAL PLASTIC (KURARAY AMERICA, INC.)
**SGP = SENTRYGLAS (KURARAY AMERICA, INC.)

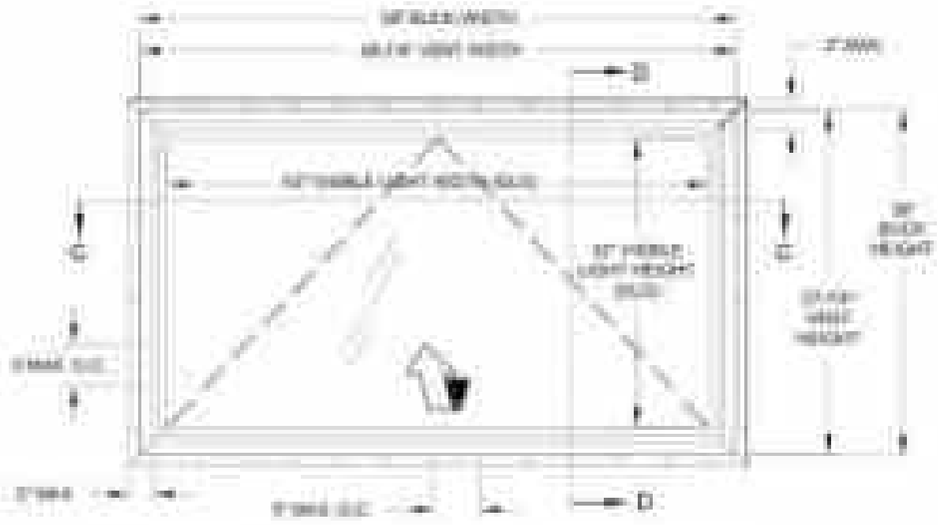
FLORIDA PRODUCT APPROVAL #7777

DESIGN PRESSURE RATING:	IMPACT RATING:
+/-60 PSF	IMPACT ZONE 3 AREA: 9 SQ. FT. MAX. WIDTH: 3' MAX. HEIGHT: 5' MAX.

GENERAL NOTES	1
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TYP. ELEVATION OF FLANGE FRAME AWNING WINDOW



TYP. ELEVATION OF FIN FRAME AWNING WINDOW

PGT WINDOWS
1070 TAMIAMI TRAIL NORTH
NOKOMIS, FLORIDA 34275
941-486-0594

ALUM AWNING WINDOW (HI)
GENERAL NOTES & ELEVATIONS

DATE	REVISION
10/16/14	UPDATED TO 2014 FBC

12-1371
SHEET 1

NOTICE: THESE DRAWINGS ARE THE PROPERTY OF PGT WINDOWS AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER WITHOUT PRIOR WRITTEN PERMISSION.

STATE OF FLORIDA

INSTALLATION OPTION 1

INSTALLATION OPTION 2

INSTALLATION OPTION 4

HORIZONTAL SECTION A-A

INSTALLATION OPTION 3

VERTICAL SECTION B-B

FRAME ASSEMBLY TUBE (FAT) DETAILS

Additional Anchors Required on each Side of the Frame Assembly Tube (FAT)			
Tube (FAT) Width	Window Width	Anchor Type A	Anchor Type B, C & D
	13" - 23.5"	1	0
	24" +	1	1
Tube (FAT) Height	Window Height	Anchor Type A	Anchor Type B, C & D
	13" - 23.5"	1	0
	24" +	1	1

PGT

ALUM. AWNING WINDOW (IN)

FLANGE INSTALLATION DETAILS

AW-FI

INSTALLATION OPTION I

INSTALLATION OPTION II

INSTALLATION OPTION III

HORIZONTAL SECTION C-C

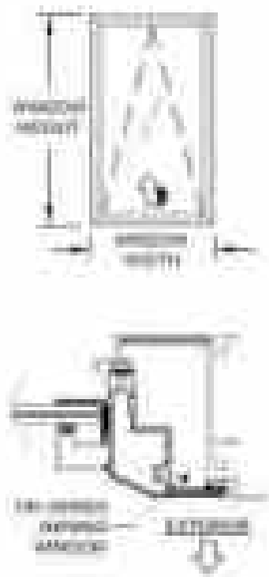
VERTICAL SECTION D-D

CLIPPED TUBE MULLION DETAILS

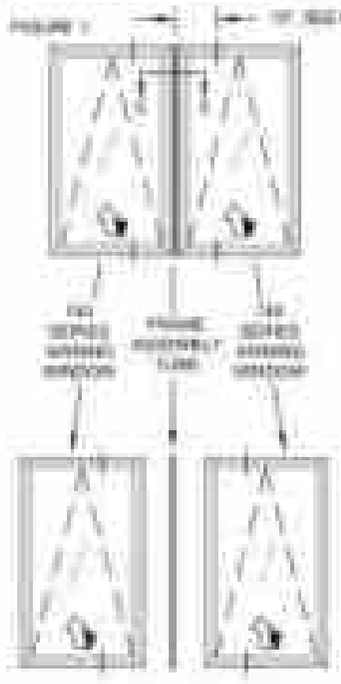
FRAME ASSEMBLY TUBE (FAT) DETAILS

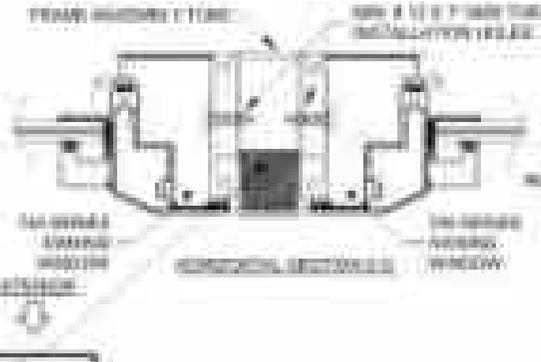
PGT

AWNING (X)



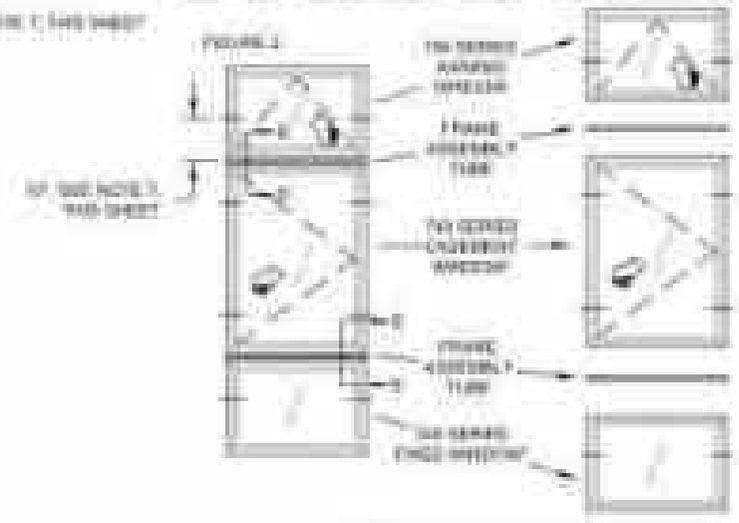
AWNING / AWNING (XX)

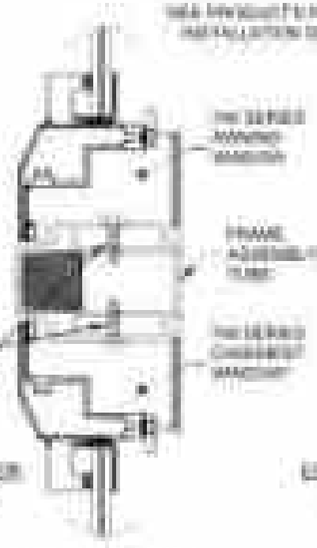






AWNING / CASEMENT / FIXED CASEMENT (XXO)







FOR SINGLE UNITS:

1) DETERMINE YOUR WINDOW SIZE AND GLASS.

2) DETERMINE YOUR ANCHOR TYPE AND SUBSTRATE. DETERMINE YOUR ANCHOR GROUP FROM TABLE 3, SHEET 3.

3) FROM SHEETS 7-12, FIND THE SHEET FOR YOUR GLASS TYPE AND PRODUCT'S DESIGN PRESSURE RANGE ON THE TABLE. LOCATE YOUR DESIGN PRESSURE (DP) FOR SINGLE WINDOW ALL ANCHOR GROUPS.

4) DIMENSIONS SHOWN ARE WINDOW SIZES NOT SHOWN ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLES.

5) USING THE TABLE LABELED "WINDOW ANCHORS REQUIRED" (TABLE 4, SHEET 3), DETERMINE THE NUMBER OF ANCHORS NEEDED IN THE HEAD, SILL AND JAMBS OF YOUR WINDOW.

6) INSTALL AS PER THE INSTRUCTIONS ON SHEETS 2 & 3.

FRAME ASSEMBLY TUBE NOTES:

1) DIMENSIONS SHOWN ARE FOR FIXED DIMENSIONS FOR EACH INDIVIDUAL WINDOW. FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLES.

2) ANY 7/8 SERIES PRODUCT (AWNING, CASEMENT, FIXED CASEMENT) MAY BE ATTACHED TO THE FRAME ASSEMBLY TUBE. FOR ALL WINDOWS USE THE WINDOW'S PSF FOR ANCHORAGE. SEE ANY DESIGN PRESSURE LIMITATIONS.

3) ALL WINDOWS IN THE COMBINATION UNIT MUST BE ABLE TO INDIVIDUALLY COMPLY WITH THE REQUIREMENTS OF THEIR RESPECTIVE PSF.

4) FRAME ASSEMBLY TUBE TO BE FASTENED TO WINDOW, AS SHOWN IN DETAILS, WITH MIN. #10 X 1" SHEET METAL SCREWS. FOR FLANGE FRAME, USE THE SAME SPACING AND QUANTITY AS THE SUPPORTS FRAME MEMBER. FOR INTERIOR JOG FRAME COMBINATION UNITS, FLANGE FRAME IS USED AT THE FRAME ASSEMBLY TUBE WITH ANCHOR GROUP D SPACING.

5) ONE FRAME ASSEMBLY TUBE MAY NOT EXCEED 60" IN LENGTH AS USED IN A 90° FLANGED WINDOW OR BE USED IN TEE OR CROSS CONFIGURATIONS.

6) ONE FRAME ASSEMBLY TUBE IS NOT REQUIRED TO BE CLIPPED TO THE SUBSTRATE. ALL EXTERIOR JOINTS TO BE SEALED BY INSTALLER.

7) FOR FLANGE FRAME COMBINATION UNITS, ADDITIONAL INSTALLATION ANCHORS MAY NEED TO BE INSTALLED THROUGH THE WINDOW FRAMES. SEE SHEET 2.

FOR EACH WINDOW IN A VERTICALLY OR HORIZONTALLY COMBINED ASSEMBLY:

1) DETERMINE EACH INDIVIDUAL WINDOW TYPE, SIZE AND 2) ASSEMBLY. SEE FIGURES 1 & 2, THIS SHEET. DETERMINE YOUR ANCHOR GROUP FROM TABLE 3, SHEET 3.

3) FROM SHEETS 7-12, FIND THE SHEET FOR YOUR GLASS TYPE.

4) FIND THE DESIGN PRESSURE FROM THE TABLES LABELED "DESIGN PRESSURE (PSF) FOR WINDOWS ATTACHED TO A HORIZONTAL FRAME ASSEMBLY TUBE" DETERMINE ON WHICH SIDE THE FRAME ASSEMBLY TUBE IS REQUIRED. THIS MUST BE DONE FOR EACH WINDOW IN THE ASSEMBLY AND THE LOWEST DESIGN PRESSURE APPLIES TO THE ENTIRE ASSEMBLY. DIMENSIONS SHOWN ARE WINDOW SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLES.

5) USING THE TABLE LABELED "WINDOW ANCHORS REQUIRED" (TABLE 4, SHEET 3), DETERMINE THE NUMBER OF ANCHORS NEEDED IN THE HEAD, SILL AND JAMBS OF YOUR WINDOW.

6) INSTALL AS PER THE INSTRUCTIONS ON SHEETS 2 & 3. NOTE THAT ADDITIONAL ANCHORS THROUGH THE WINDOW FRAME INTO THE SUBSTRATE MAY BE REQUIRED. SEE SHEET 2. ENSURE THAT MIN. Ø 1/2 X 1" ANCHORS ARE TO BE USED THROUGH THE FRAME INTO THE FRAME ASSEMBLY TUBE. SEE DETAILS ON THIS SHEET.

PGT WINDOWS

ALUMINUM WINDOWS (NH)

FRAME ASSEMBLY TUBE DETAILS

AWNING

TABLE 2

Window Anchors Required

Window Height (in)	Window Width (in)																															
	Under 21"				21" to 33"				33.5" to 45"				45.5" to 57"				57.5" to 69"				69.5" to 81"				81.5" to 93"				93.5" to 105"			
	Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Under 21"	(2PW)	2	2	1	2	3	2	2	4	3	2	2	4	3	3	2	4	3	2	2	4	3	3	2	4	4	3	3	4	4	3	3	4
	(HW45)	2	2	2	2	4	3	3	3	5	3	3	3	4	4	4	4	4	4	3	3	4	4	4	3	5	4	4	4	5	5	4	4
21" TO 33"	(2PW)	3	2	2	2	4	3	2	4	4	3	2	4	4	4	3	4	4	3	3	4	4	4	3	4	5	4	4	4	5	5	4	4
	(HW45)	3	3	2	2	4	3	3	3	4	3	3	3	4	4	4	4	5	4	4	4	5	4	4	4	5	5	4	4	6	5	5	4
33.5"	(2PW)	3	3	2	2	5	4	3	3	5	4	3	3	5	4	4	3	6	4	4	4	6	5	4	4	6	5	5	4	7	6	5	5
	(HW45)	3	3	2	2	4	3	3	3	4	4	4	4	4	4	4	4	5	4	4	4	5	5	4	4	6	5	5	5	7	6	5	5
45.5"	(2PW)	4	3	3	3	5	4	4	4	6	5	4	4	6	5	5	4	7	5	5	4	7	6	5	5	8	6	6	5				
	(HW45)	3	3	3	3	4	4	4	4	5	4	4	4	5	5	5	5	6	5	5	5	6	6	5	5	7	6	6	6				
57"	(2PW)	4	4	3	4	6	5	4	5	7	6	5	5	8	7	6	5	9	7	6	6	9	8	7	6								
	(HW45)	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	6	6	6	8	7	6	6								
63"	(2PW)	5	5	5	5	6	6	5	6	8	7	6	6	9	8	7	6	10	8	7	7												
	(HW45)	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	6	6												
72"	(2PW)	6	6	5	6	7	7	6	7	9	8	7	7	10	9	8	7	11	10	8	8												
	(HW45)	4	3	3	3	5	4	4	4	6	5	5	5	7	6	6	6	8	7	7	7												
78"	(2PW)	7	7	6	7	8	8	7	8	10	9	8	8	11	10	9	8																
	(HW45)	4	3	3	3	5	4	4	4	6	6	5	5	7	7	6	6																
84"	(2PW)	8	8	7	8	9	9	8	9	11	10	9	9																				
	(HW45)	4	3	3	3	5	4	4	4	6	6	5	5																				

1) USE THIS TABLE FOR ALL FLEXIS FRAME CASCADE PER TRUSS ELEVATION ON SHEET 1.
2) FOR SIZES NOT ALWAYS ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
3) DIMENSIONS SHOWN ARE MASONRY TO MASONRY SUBSTRATE. FIGURE METAL TO METAL DIMENSION IN THE TABLE TO DETERMINE THE ROUGH SIZE.

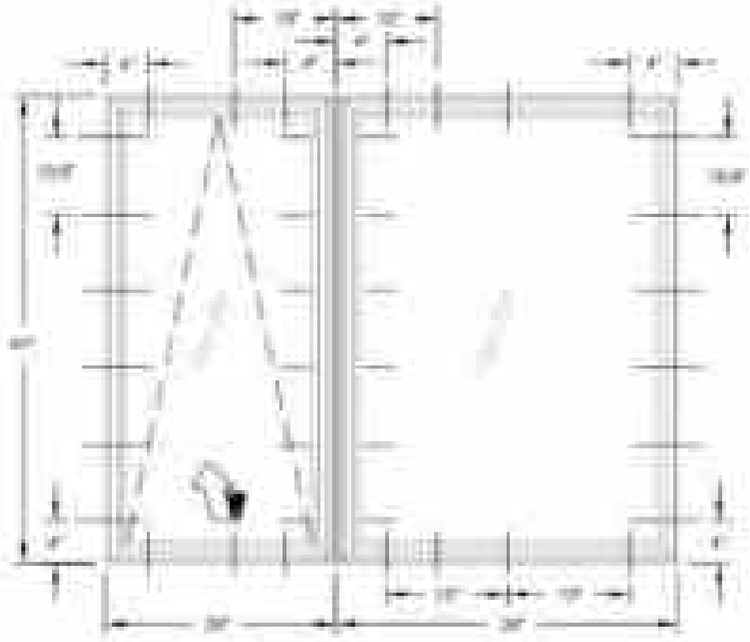
PGT INDUSTRIES
1070 TECHNOLOGY DRIVE
NORTH VENICE, FL 34275

ALUM. IMPACT WINDOW WALL
FLEXIS FRAME ANCHOR NOTES

DRAWING NO. 2
SHEET NO. 2 OF 3
DATE 8/5/20

REVISIONS

MICHAEL LYNN MILLER
No. 78705
STATE OF FLORIDA
PROFESSIONAL ENGINEER



EXAMPLE 1 FOR WINDOW COMBINATION SHOWN BELOW THAT WERE ALSO LABELED AS SLIDER, TOP MEETING AND CLOSING RAILS CONFIGS. <FILL IN PGT OR REGIONAL>

WARNING ANCHORS:
A) FROM TABLE A, ANCHORS 2 & 3 ALONG 36"-28" (+1in dia.

B) FOR THIS USER FROM TABLE A, ANCHOR A IN CONCEPT 2 AND THE ANCHOR AND SUBSTRATE DESIGNED AND TESTED NOT REQUIRE THE ANCHOR PLATE IF USING THE CRETICLE+ ANCHOR

C) FROM TABLE 2, 2 ANCHORS ARE REQUIRED IN EACH JAMB

D) SIMILARLY, 2 ANCHORS ARE REQUIRED IN THE HEAD & SILL

E) DISTRIBUTE ANCHORS FOLLOWING GUIDELINES PROVIDED ON DETAIL ON SHEET 1

F) PER RULES ON SHEETS 2 & 3, METAL 1 ADDITIONAL ANCHOR ON THE FRAME ASSEMBLY TUBE SIDE OF THE JAMBS (HEAD & SILL)

FIXED CASEMENT ANCHORS:
A) FROM TABLE 2, 3 OR 4 EA FIXED CASEMENT WINDOW HAS A DESIGN PRESSURE EXCEEDING THE REQUIREMENT OF +/45 PSI USING ANCHORS C OR D

B) FOR THIS JAMB, FROM TABLE 3, ANCHOR TYPE 2 HAS THE ANCHOR AND SUBSTRATE DESIGNED AND TESTED NOT REQUIRE THE ANCHOR PLATE IF USING THE CRETICLE+ ANCHOR

C) FROM TABLE 2A, 4 ANCHORS ARE REQUIRED IN EACH JAMB

D) SIMILARLY, 3 ANCHORS ARE REQUIRED IN THE HEAD & SILL

E) CONTINUE ANCHORS FOLLOWING GUIDELINES PROVIDED ON DETAIL ON SHEET 1

F) PER RULES ON SHEET 2, INSTALL 1 ADDITIONAL ANCHOR ON THE FRAME ASSEMBLY TUBE SIDE OF THE FIXED CASEMENT (HEAD & SILL)

TABLE 2A: ANCHOR TYPES FOR FLANGE FRAME WINDOWS

Group	Anchor	Substrate	Min. Edge Distance	Max. O.C. Spacing	Min. Embedment	Anchor P Value Required*
A	#12 Wood Screw (0.21) or #14 Wood Screw (0.21) or #14-#16 SS SMS	Wood	5/8"	8"	1 1/2"	180
		Concrete 3" Alum.	1"	5/8"	3/4"	180
		1/16" Steel	5/8"	12"	3/16"	180
		3" Pine	1"	8"	1 1/2"	180
	1/4" Wood Screw	Concrete	1"	8"	1 1/4"	180
		Hollow Block	1"	8"	1 1/4"	180
		3" Pine	1"	8"	1 1/2"	180
B	1/4" Wood Screw	Concrete	1 1/2"	8"	1 1/4"	180
		Hollow Block	1"	8"	1 1/4"	180
		Hollow Block	1 1/2"	8"	1 1/4"	180
C	1/4" Lead Wedge Anchor	Concrete	1"	8"	1 1/4"	180
		Hollow Block	1"	8"	1 1/4"	180
	1/4" #10 SS Oval Fillister	Concrete	1"	8"	1 1/4"	180
		Hollow Block	1 1/2"	8"	1 1/4"	180
D	#12 Wood Screw (0.21) or #14 Wood Screw (0.21) or #14-#16 SS SMS	Wood	5/8"	8"	1 1/2"	180
		Concrete 3" Alum.	1"	5/8"	3/4"	180
		1/16" Steel	5/8"	12"	3/16"	180
		3" Pine	1"	8"	1 1/2"	180
	1/4" #10 SS Oval Fillister	Concrete	1"	8"	1 1/4"	180
		Hollow Block	1 1/2"	8"	1 1/4"	180
		Hollow Block	1 1/2"	8"	1 1/4"	180
	1/4" Wood Screw	Concrete	1"	8"	1 1/4"	180
		Hollow Block	1 1/2"	8"	1 1/4"	180
		3" Pine	1"	8"	1 1/2"	180
	1/4" Lead Wedge Anchor	Concrete	1 1/2"	8"	1 1/4"	180
		Hollow Block	1 1/2"	8"	1 1/4"	180
		3" Pine	1"	8"	1 1/2"	180

1) WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE PERFORMANCE HIGHER THAN THE ANCHOR GROUPS ABOVE, CHOOSE THE ANCHOR GROUP FOR THE LOWEST LETTER FOR ALL SUBSEQUENT TABLES IN THIS APPENDIX.

2) ANCHOR MUST EXTEND A MINIMUM OF 1 THREAD BEYOND THE METAL SUBSTRATE.

3) ANCHORS MAY BE HEADCAP PAINTED OR PLATED. ALL ANCHOR HEAD TYPES ALLOWED.

TABLE 2B: ANCHOR TYPES FOR FLANGE FRAME WINDOWS

Group	Anchor	Substrate	Min. Edge Distance	Max. O.C. Spacing	Min. Embedment
E	2 1/2" x .113" Drill Rail	Southern Pine	5/16"	8"	1 7/16"
	2 1/2" x .131" Concrete Nail	Southern Pine	5/8"	8"	1 7/16"
	2 1/16" x .142" Roofing Nail	Southern Pine	2/8"	8"	1 7/16"
	#12 x 1" Sheet Rail	Southern Pine	1/2"	8"	1 1/4"
		0.050" Aluminum	3/16"	4"	.065"
		3/16" Steel	5/16"	8"	0.0945" .33 Dia.
		ASTM Steel (Fy = 25	5/16"	8"	0.0945" .178 Dia.

TABLE 3C:

Head Shoulder Locations	
Type Size	
Head Diameter 1.0 in.	Min Diameter 1.1 in.
.190 in.	.28" Min. Slot Width .5.87 in.x.1

PGT

ALUM. AWNING WINDOW (HH)

EXAMPLE & ANCHOR DETAILS

8 OF 13

A16.1



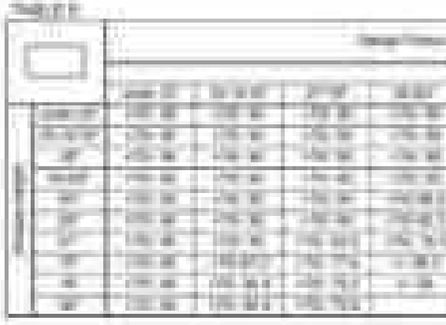
FOR GLASS TYPES:

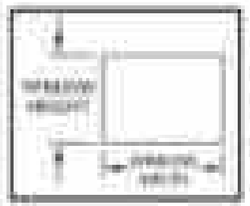
1) 5/16" LAMI (1/8 AN + .090" PVB + 1/8 AN)

FOR FRAME TYPES

Flange & Integral Fin

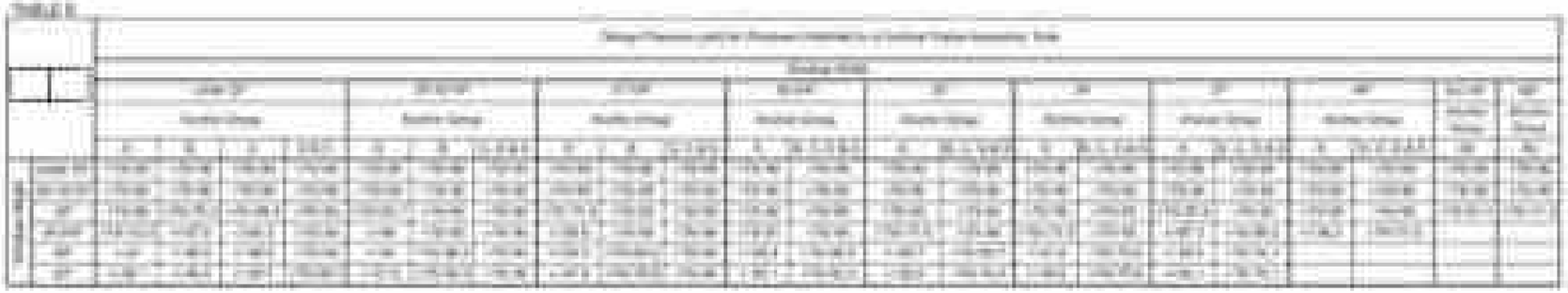
TABLE 1

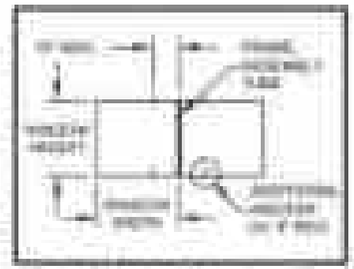




SEE SHEETS 1 & 2 FOR WINDOW LOCATIONS AND QUANTITIES

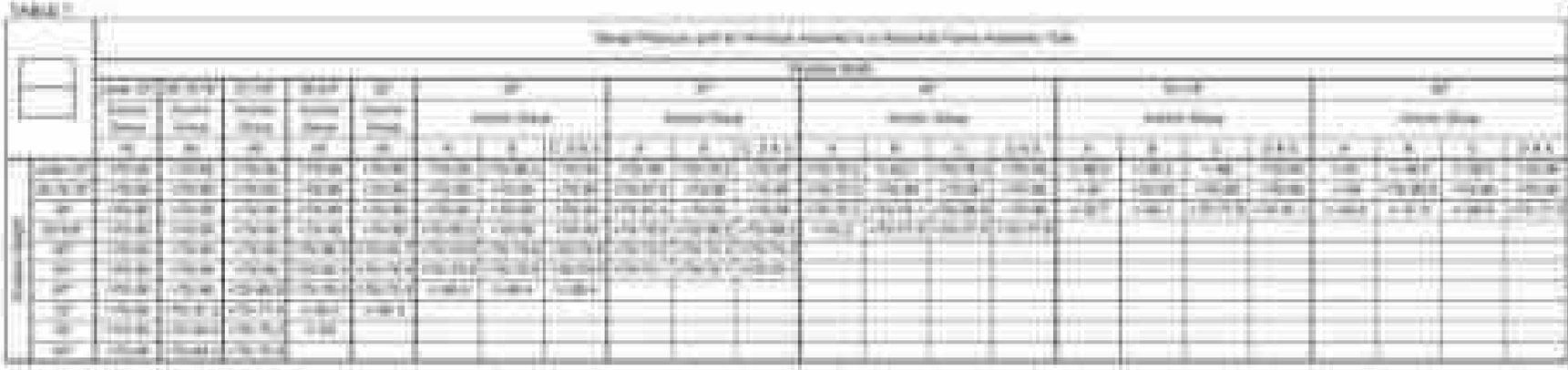
TABLE 2

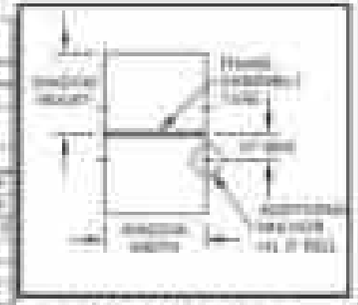




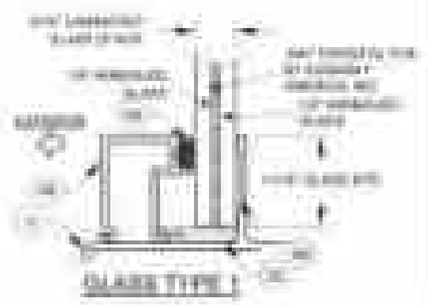
SEE SHEETS 1 & 2 FOR WINDOW MULLION LOCATIONS AND QUANTITIES (SEE SHEETS 3 OR 4 FOR ANY ADDITIONAL MULLIONS REQUIRED FOR THE FRAME ASSEMBLY TUBE)

TABLE 3





SEE SHEETS 1 & 2 FOR WINDOW MULLION LOCATIONS AND QUANTITIES (SEE SHEETS 3 OR 4 FOR ANY ADDITIONAL MULLIONS REQUIRED FOR THE FRAME ASSEMBLY TUBE)



GLASS TYPE 1

NOTES:

1. SEE SHEET 1 FOR ADDITIONAL NOTES & CONSTRUCTIONS.
2. FOR WOOD REINFORCED WINDOWS, SUBSTITUTE 1" FRAME FOR 1 1/4" FRAME IN THE TABLE TO DETERMINE MAXIMUM ALLOWABLE SIZE.

PGT

ALUM. AWNING WINDOW (HI)

IMPACT RESISTANT

GLASS TYPES

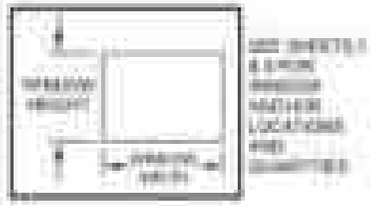
SHEET NO. 5 OF 5

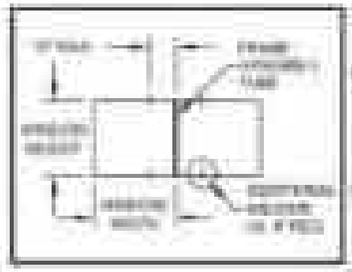
REVISIONS

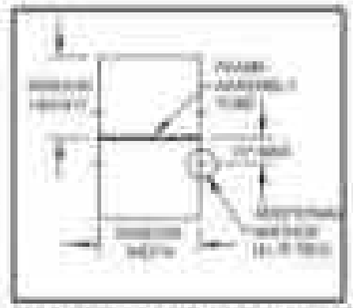
STATE OF FLORIDA

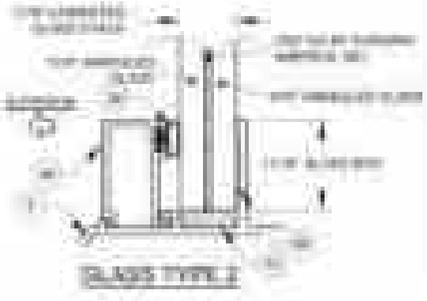
PRODUCT APPROVAL

FOR GLASS TYPES:
2) 7/16" LAMI (3/16" AN - .090" SG - 3/16" AN)
FOR FRAME TYPES
Flange Only









GLASS TYPE 2

PGT	ALUM. AWNING WINDOW (IN)
	DESIGN PRESSURE PLATE
	SHEET 2 OF 3
	SERIES

FOR GLASS TYPES:

3) 7/8" LAMI. IG. (1/8" AN - 7/16" AIR - 1/8" AN - .060" PVB - 1/2" AN)

FOR FRAME TYPES:

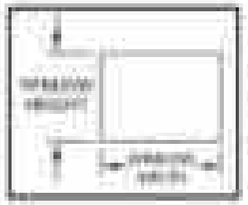
Flange & Integral Fin

TABLE 1A

Design Pressure (psf) for Single Window (for exterior Doors)

Window Width

Height	20"	24"	28"	32"	36"	40"	44"	48"	52"	56"	60"
20"											
24"											
28"											
32"											
36"											
40"											
44"											
48"											
52"											
56"											
60"											



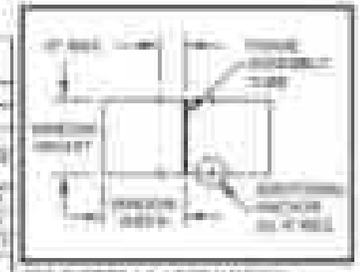
SEE SHEETS 1 & 2 FOR WINDOW LOCATIONS AND QUANTITIES.

TABLE 1B

Design Pressure (psf) for Window Attached to a 2 piece Frame Assembly Tube

Window Width

Height	20"	24"	28"	32"	36"	40"	44"	48"	52"	56"	60"
20"											
24"											
28"											
32"											
36"											
40"											
44"											
48"											
52"											
56"											
60"											



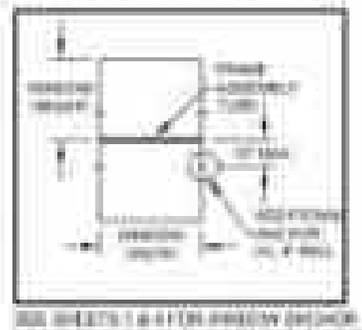
SEE SHEETS 1 & 4 FOR WINDOW LOCATIONS AND QUANTITIES. SEE SHEETS 1 OR 2 FOR ADDITIONAL ANCHORS REQUIRED FOR THE 2 PIECE FRAME ASSEMBLY TUBE.

TABLE 1C

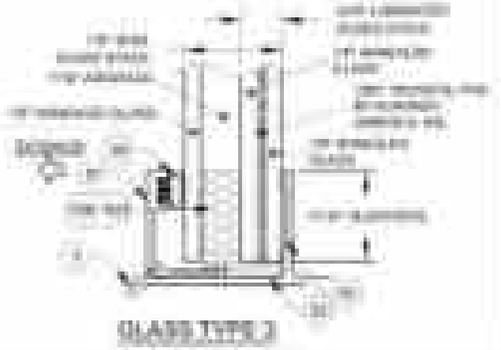
Design Pressure (psf) for Window Attached to a Horizontal Tube Assembly Tube

Window Width

Height	20"	24"	28"	32"	36"	40"	44"	48"	52"	56"	60"
20"											
24"											
28"											
32"											
36"											
40"											
44"											
48"											
52"											
56"											
60"											



SEE SHEETS 1 & 4 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEETS 1 OR 2 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE 2 PIECE FRAME ASSEMBLY TUBE.



GLASS TYPE 3

NOTES:
1. SEE SHEET 1 FOR ADDITIONAL NOTES & CONFIGURATIONS.
2. [illegible]

PGT INDUSTRIES

ALUM. AWNING WINDOW (IN)

2 PIECE FRAME ASSEMBLY TUBE

CLASS CW

DP RATING

SCALE: 1/2" = 1'-0"

SHEET NO. 3

REVISIONS

DESCRIPTION

DATE

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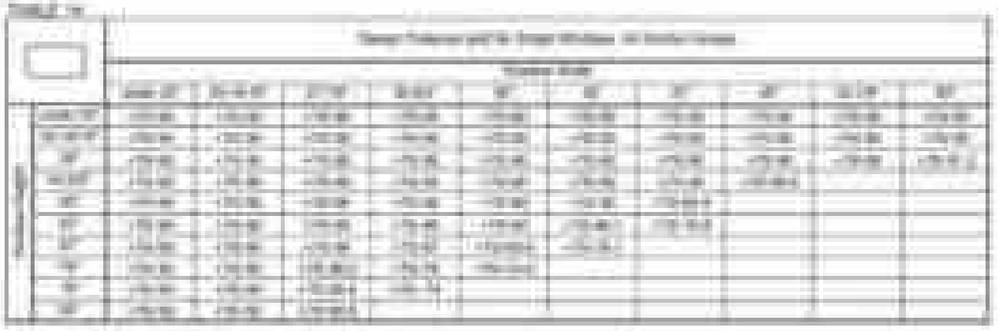
FOR GLASS TYPES:

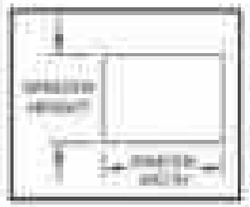
A) 7/8" LAM. IG: (1/8" T - 7/16" AIR - 1/8" AN - .090" PVB - 1/8" AN)

FOR FRAME TYPES:

Flange & Integral Fin

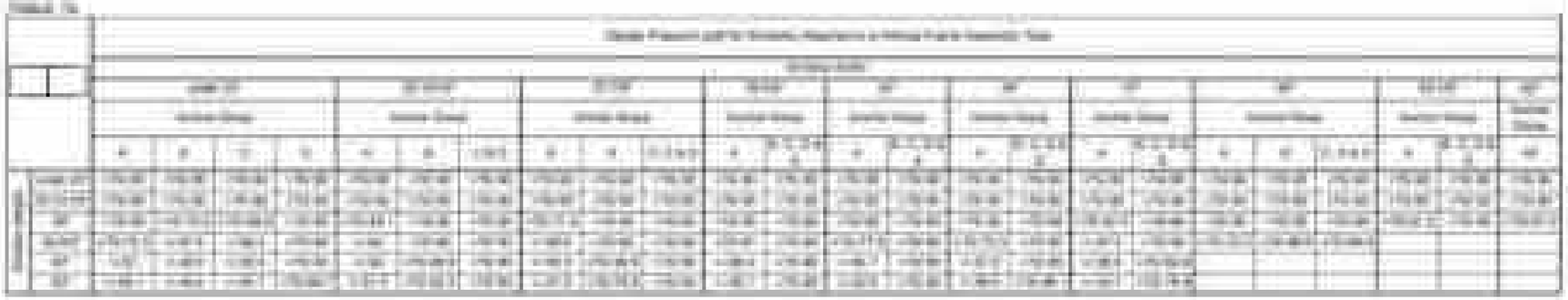
TABLE 1A

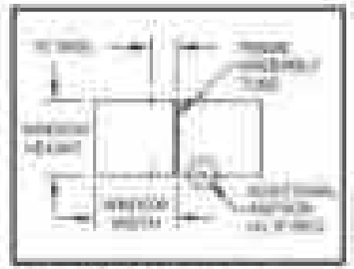




SEE SHEETS 1 & 2 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.

TABLE 1B

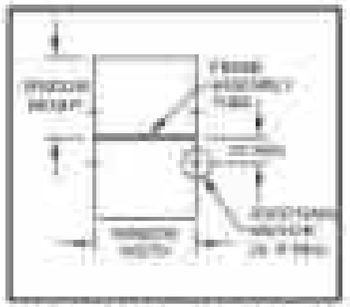




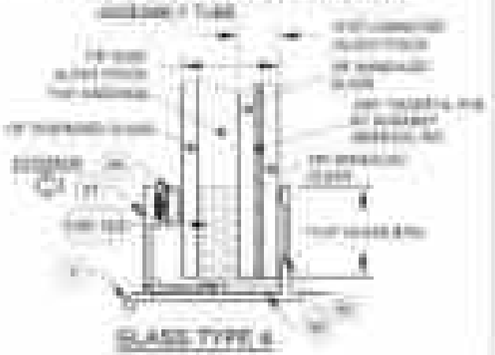
SEE SHEETS 1 & 2 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEETS 2 OR 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.

TABLE 1C





SEE SHEETS 1 & 2 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEETS 2 OR 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.



GLASS TYPE 4

NOTES

1. SEE SHEET 1 FOR ADDITIONAL NOTES & CONFIGURATIONS.
2. [illegible]

PGT

ALUM AWNING WINDOW (IN)

IMPACT PRODUCT APPROVAL

SHEET 4 OF 5

DRAWING TITLE

DRAWING NUMBER

REVISIONS

DATE

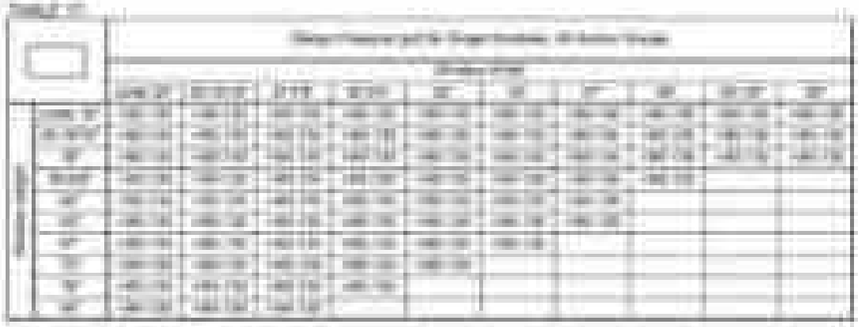
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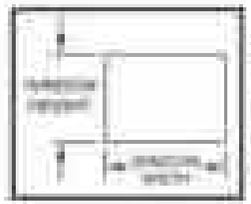
STATE OF FLORIDA

FOR GLASS TYPES
5) 7/8" LAMI. SQ (3/16" AN - 1/4" AIR - 3/16" AN - .090" SG - 3/16" AN)
6) 7/8" LAMI. SQ (3/16" T - 1/4" AIR - 3/16" AN - .090" SG - 3/16" AN)

FOR FRAME TYPES
Flange Only

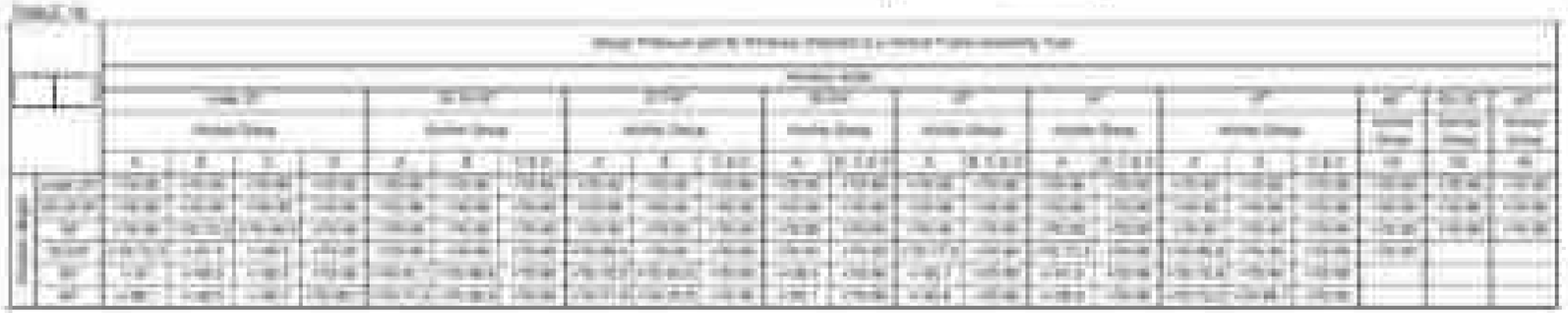
TABLE "A"

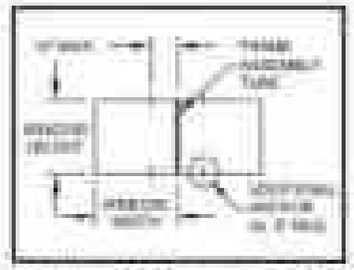




SEE SHEETS 1 & 2 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES

TABLE "B"

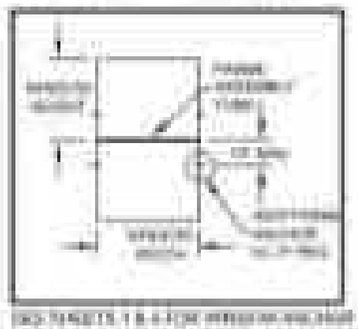




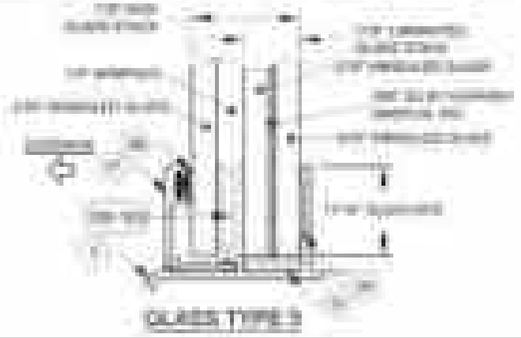
SEE SHEETS 1 & 2 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEETS 2 OR 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TYPE.

TABLE "C"

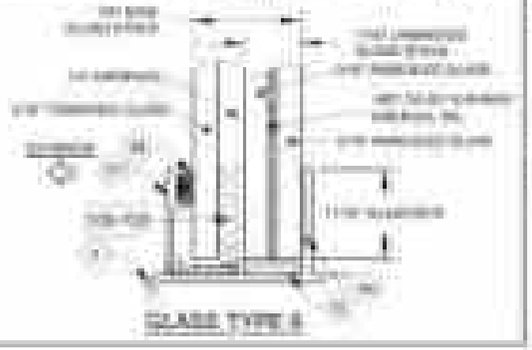




SEE SHEETS 1 & 2 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEETS 2 OR 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TYPE.



GLASS TYPE 5



GLASS TYPE 6

NOTES:
1. SEE SHEET 1 FOR ADDITIONAL NOTES & CONFIGURATIONS.
2. [illegible]

PGT

ALUM. SINGLE HUNG WINDOW

DESIGN PRESSURE RATING

CLASS "CW"

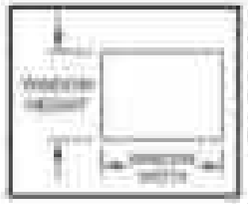
REVISIONS

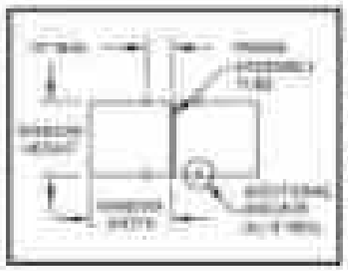
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1	ADD TABLE C	07-20-11
2	REVISE	08-08-11

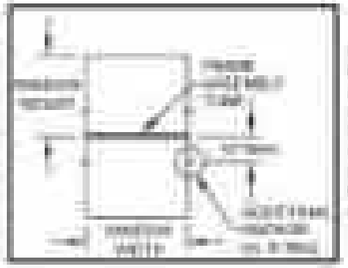
[illegible]

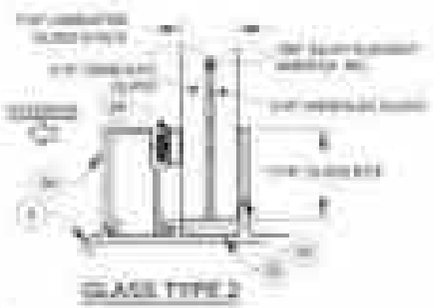
FOR GLASS TYPES
2) 7/16" LAMI (3/16" AN - .090" SG - 3/16" AN)
5) 7/8" LAMI: IG: (3/16" AN - 1/4" AIR - 3/16" AN - .090" SG - 3/16" AN)
6) 7/8" LAMI: IG: (3/16" T - 1/4" AIR - 3/16" AN - .090" SG - 3/16" AN)

FOR FRAME TYPES
Integral Fin Only

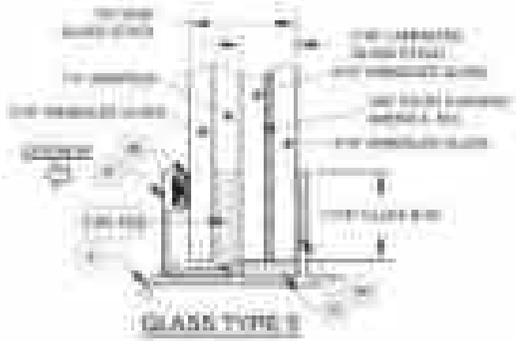




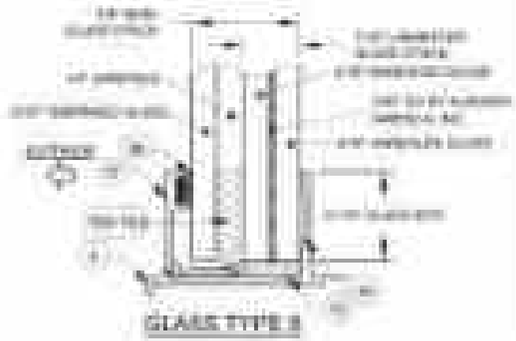




GLASS TYPE 2



GLASS TYPE 5



GLASS TYPE 6

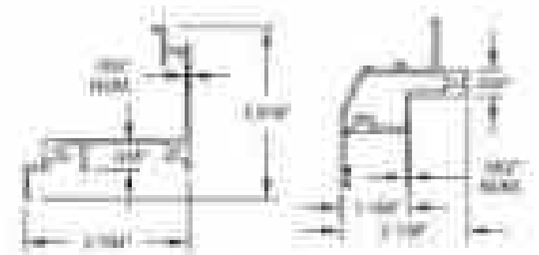
PGT

ALUM AWNING WINDOW (IN)

GLASS TYPES

SHEET 8 OF 8

Item	Dwg. #	Description	Mat.
1	70001	Main Frame Head, Sill & Jamb, Flange	6063-T6 Alum.
2	70011	Interlock Mullion	6063-T6 Alum.
3	70022	Sash Top, Bottom & Side Rail	6063-T6 Alum.
4	70033	Frame Corner Key	Nylon
5	70044	Sash Corner Key	Nylon
6	70055	Sash Corner Gasket	Vinyl Fusion
7	70066	Sash Weatherstrip, 1.07" x .315"	Poly. Pile w/ Fin
8	70074	Mortise Sash Pull Lock	Nylon
9	70088	Lock Support Plate	Steel
10	70099	Multi-Lock Keeper	Steel
11	70104	Interior Glazing	Nylon
12	70115	Tie Bar Assembly	Steel w/ EPDM
13	70126	Subsill Perimeter Gasketing	Vinyl
14	70137	Operator Gasket	Vinyl Fusion
15	70141	Operator Mounting Plate	Nylon
16	70151	Operator Spacer Block	Nylon
17	70162	Operator Track & Cover	Nylon
18	70173	Perimeter Flange Gasket (by Unit)	Vinyl
19		Insulator Area Allowance (Dg)	Glass
20	70193	Setting Blocks .125" x 3.5"W x 1-1/4"	EPDM
21	70204	Setting Block .125" x 7.25" x 1-1/4"	EPDM
22	70215	Bead A	6063-T6 Alum.
23	70226	Bead C	6063-T6 Alum.
24	70231	Bead D	6063-T6 Alum.
25	70241	Vinyl Bulb White (Thick)	Poly. Vinyl
26	70255	Vinyl Bulb White (Thin)	Poly. Vinyl
27		Dow 795 (White or #20 Black/Bronze)	Silicone
28	70262	Division Profile	6063-T6 Alum.
29	70273	Screen Frame Key	Polycarbonate
30		Screen Cloth	Fiberglass
31	70282	Screen Spline	PVC
32	70291	Galvanized Screen Tubing	Stainless Steel
33	70301	Main Frame Head, Sill & Jamb, Fin	6063-T6 Alum.
34	70311	Frame Anay Plate	6063-T6 Alum.
35		Screen Wear Strip Assembly	Glass
36		#8 x 1/2" Pn. Phil. Hex Washer Hd. Self-Tap.	Stainless Steel
37	11181	#8 x 1/2" Fh. Phi. 3MS	Stainless Steel
38		#8 x 3/4" Fh. Phi. 3MS	Stainless Steel
39		#8 x 3/4" x .4" Ph. Wafer	Stainless Steel
40		#8 x 1" Fh. Phi. 18-8	Stainless Steel
41		#8 x 1" Oval Ph. 3MS	Stainless Steel
42		#8 x 1-1/2" Round Ph. 3MS	Stainless Steel
43		#10 x 1/2" Hex Hd. 304	Stainless Steel
44		#10 x 3/4" Fh. Phi. TYPE 17	Stainless Steel
45		#12 x 1" Fh. Ph. 18-8	Stainless Steel



1 FRAME HEAD, SILL & JAMB, FLANGE
#70001, 6063-T6

3 SASH TOP, BOTTOM & SIDE
#70003, 6063-T6



2 MULLION PLATE
#70011, 6063-T6



60 FIXED MULLION FRAME
#70066, 2125-H34



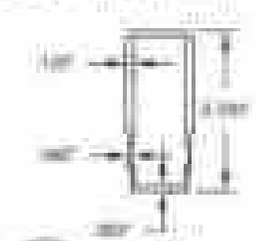
36 BEAD B
#70036, 6063-T6



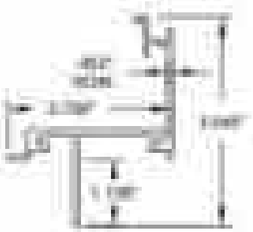
38 BEAD C
#70042, 6063-T6



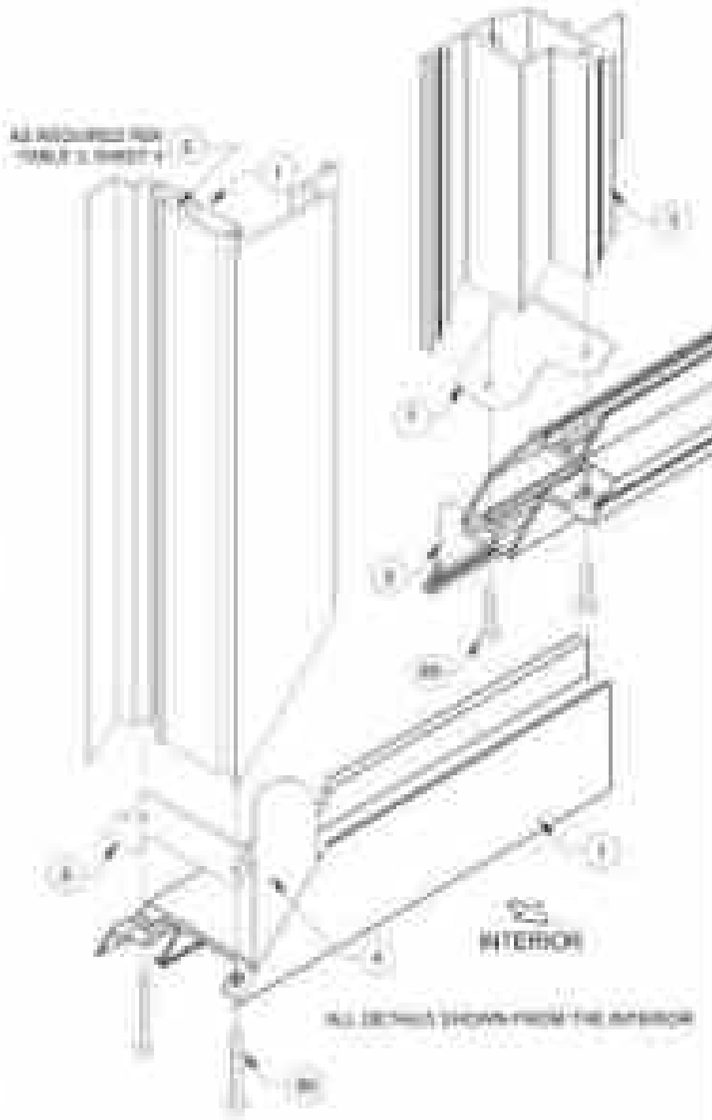
37 BEAD D
#70081, 6063-T6



71 FRAME ASSEMBLY TUBE
#70004, 6063-T6



70 FRAME HEAD, SILL & JAMB, FIN
#70070, 6063-T6



ALL DETAILS SHOWN FROM THE INTERIOR

PGT

ALUM. AWNING WINDOW (HI)
SEMI-CENTERGLIDE
CERAMIC VER.

SHEET 11 OF 11

