

HILLMAN ENGINEERING

AQUARIUS CONDOMINIUM

**2751 SOUTH OCEAN DRIVE
HOLLYWOOD, FLORIDA 33019**

40 YEAR RESTORATION PROJECT & RELATED WORK

**Wind Pressure Drawings:
Openings, Specs, NOA's / Product Approvals**

ENGINEER'S PROJECT # 7478-16

April 26, 2017

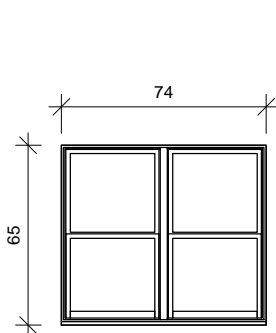
GLAZING ELEVATIONS

UNITS A, B, C & D

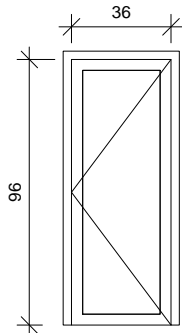
UNIT A					
Opening type	Size	Zone 4 (psf)		Zone 5 (psf)	
		max P +	min P -	max P +	min P -
A	74x65	60.8	61.7	60.8	109.1
B	34x96	62.8	63.1	N/A	N/A
C	164x88	54.7	57.6	54.7	92.9
D	144x88	55.4	58.1	55.4	94.8
E	96x88	57.6	59.6	N/A	N/A
F	111x65	58.5	61.2	N/A	N/A
G	144x65	57.1	59.2	N/A	N/A

NOTE: PER FBC, 5TH ED., 2014, SECT 2410 & CHAP 16.

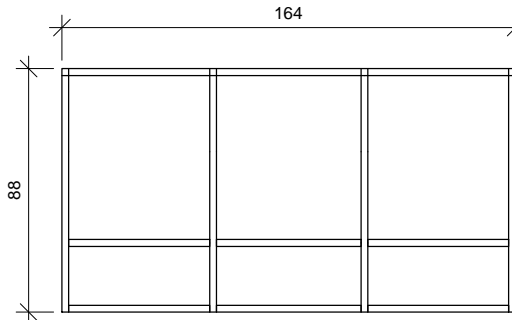
- A) EXTERIOR OPENINGS BELOW 30 FT ABOVE GRADE SHALL BE LARGE-MISSILE IMPACT RESISTANT &
- B) EXTERIOR OPENINGS ABOVE 30 FT ABOVE GRADE SHALL BE SMALL-MISSILE IMPACT RESISTANT



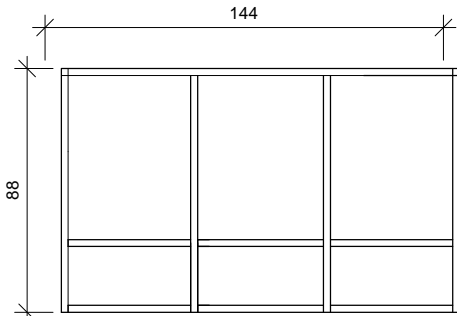
OPENING TYPE "A"
2 (37 x 65) SH WINDOWS
W/ 1 MULLION BAR
ZONE 4 - MAX WIND PRES.
+60.8 -61.7
ZONE 5 - MAX WIND PRES.
+60.8 -109.1



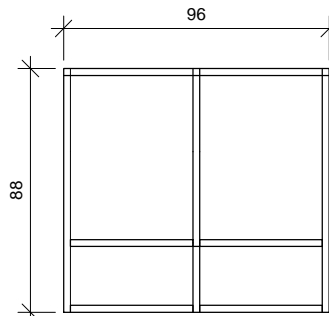
OPENING TYPE "B"
HINGED FRENCH DOOR W/
IMPACT GLAZING
ZONE 4 - MAX WIND PRES
+62.8 -63.1
ZONE 5 - MAX WIND PRES
N/A N/A



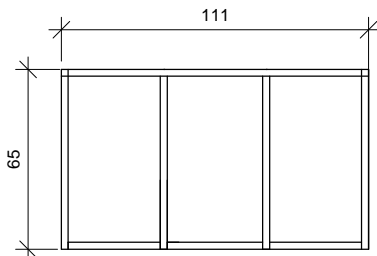
OPENING TYPE "C"
3 (54 x 63) FIXED WINDOWS AT TOP & 3 (54 x 25)
WINDOWS AT BOTTOM W/ 5 MULLIONS
ZONE 4 - MAX WIND PRESSURE
+54.7 -57.6
ZONE 5 - MAX WIND PRESSURE
+54.7 -92.9



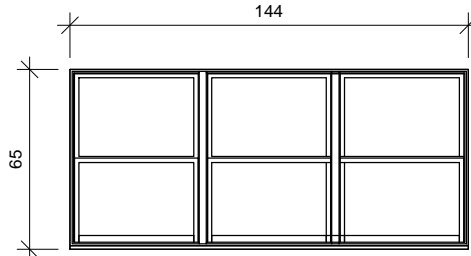
OPENING TYPE "D"
3 (48 x 63) FIXED WINDOWS AT TOP & (48 x 25)
WINDOWS AT BOTTOM W/ 5 MULLIONS
ZONE 4 - MAX WIND PRESSURE
+55.4 -58.1
ZONE 5 - MAX WIND PRESSURE
+55.4 -94.8



OPENING TYPE "E"
2 (48 x 63) FIXED WINDOWS AT TOP & 2 (48 x 25)
WINDOWS AT BOTTOM W/ 3 MULLIONS
ZONE 4 - MAX WIND PRESSURE
+57.6 -59.6
ZONE 5 - MAX WIND PRESSURE
N/A N/A



OPENING TYPE "F"
3 (37 x 65) FIXED WINDOWS
W/ 2 MULLIONS
ZONE 4 - MAX WIND PRESSURE
+58.5 -61.2
ZONE 5 - MAX WIND PRESSURE
N/A N/A



OPENING TYPE "G"
3 (48 x 65) SH WINDOWS
W/ 2 MULLIONS
ZONE 4 - MAX WIND PRESSURE
+57.1 -59.2
ZONE 5 - MAX WIND PRESSURE
N/A N/A

UNIT "A" GLAZING (OPENINGS)

REVISIONS	DATE

HILLMAN ENGINEERING INC.
 970 West McNab Rd. Suite 210, Ft. Lauderdale, FL 33309
 954-975-9008 Fax: 954-975-9011 E-Mail: hillmanengineering.com
 Construction Consultant, Claims, Engineering, Forensics, Accident Reconstruction, Inspections, Site & Building Design

AQUARIUS
 Default Project Name Line 2
 2751 South Ocean Drive
 Hollywood, Florida 33019

DRAWN: J. Wells
 CHECKED: H. Hillman
 DATE: Da Month Year
 SCALE: 3/16" = 1'-0"
 JOB #: 7478-16

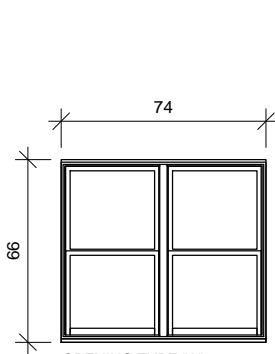
SHEET NAME
UNIT-A
 SHEET 1 OF 4

CERTIFICATE OF AUTHORIZATION #8785

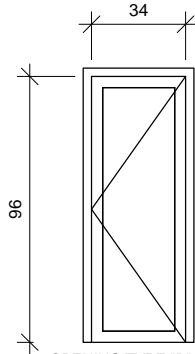
UNIT B					
Opening type	Size	Zone 4 (psf)		Zone 5 (psf)	
		max P +	min P -	max P +	min P -
A	74x65	60.8	61.7	60.8	109.1
B	34x96	62.8	63.1	N/A	N/A
C	135x88	55.7	58.3	55.7	95.7
D	90x88	58.1	59.8	N/A	N/A
E	111x65	58.5	61.2	N/A	N/A
F	150x65	56.8	59.1	N/A	N/A

NOTE: PER FBC, 5TH ED., 2014, SECT 2410 & CHAP 16.

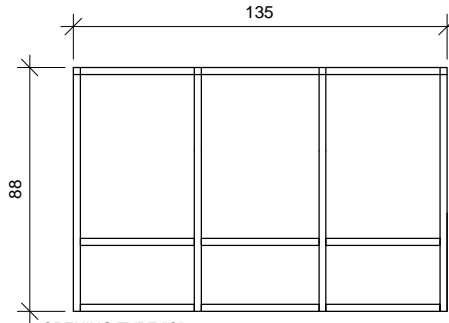
- A) EXTERIOR OPENINGS BELOW 30 FT ABOVE GRADE SHALL BE LARGE-MISSILE IMPACT RESISTANT &
- B) EXTERIOR OPENINGS ABOVE 30 FT ABOVE GRADE SHALL BE SMALL-MISSILE IMPACT RESISTANT



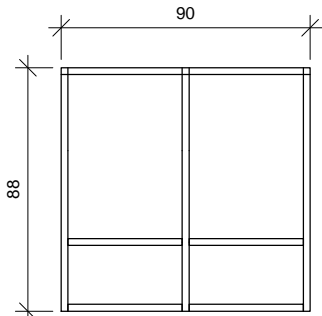
OPENING TYPE "A"
2 (37 x 65) SH WINDOWS
W/ 1 MULLION BAR
ZONE 4 - MAX WIND PRES.
+60.8 -61.7
ZONE 5 - MAX WIND PRES.
+60.8 -109.1



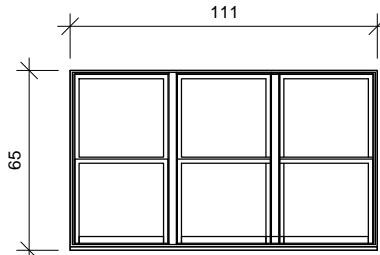
OPENING TYPE "B"
HINGED FRENCH DOOR W/
IMPACT GLAZING
ZONE 4 - MAX WIND PRES
+62.8 -63.1
ZONE 5 - MAX WIND PRES
N/A N/A



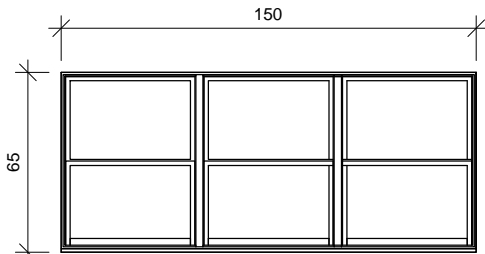
OPENING TYPE "C"
3 (45 x 63) FIXED WINDOWS AT TOP & 3 (45 x 25)
WINDOWS AT BOTTOM W/ 5 MULLIONS
ZONE 4 - MAX WIND PRESSURE
+55.7 -58.3
ZONE 5 - MAX WIND PRESSURE
+55.7 -95.7



OPENING TYPE "D"
2 (48 x 63) FIXED WINDOWS AT TOP & 2 (48 x 25)
WINDOWS AT BOTTOM W/ 3 MULLIONS
ZONE 4 - MAX WIND PRESSURE
+58.1 -59.8
N/A N/A



OPENING TYPE "E"
3(37 x 65) SH WINDOWS
W/ 2 MULLIONS
ZONE 4 - MAX WIND PRESSURE
+58.5 -61.2
ZONE 5 - MAX WIND PRESSURE
N/A N/A



OPENING TYPE "F"
3(50 x 65) SH WINDOWS
W/ 2 MULLIONS
ZONE 4 - MAX WIND PRESSURE
+56.8 -59.1
ZONE 5 - MAX WIND PRESSURE
N/A N/A

UNIT "B" GLAZING (OPENINGS)

REVISIONS	DATE

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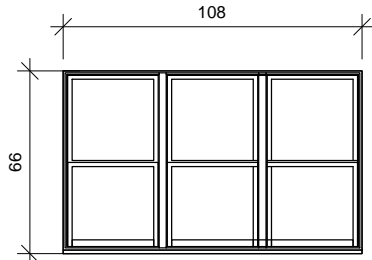
SHEET NAME
UNIT-B
 SHEET 2 OF 4

CERTIFICATE OF AUTHORIZATION #8785

UNIT C					
Opening type	Size	Zone 4 (psf)		Zone 5 (psf)	
		max P +	min P -	max P +	min P -
A	108x65	58.7	60.3	N/A	N/A
B	74x65	60.8	61.7	N/A	N/A
C	34x96	62.8	63.1	N/A	N/A
D	144x96	55	57.8	N/A	N/A

NOTE: PER FBC, 5TH ED., 2014, SECT 2410 & CHAP 16.

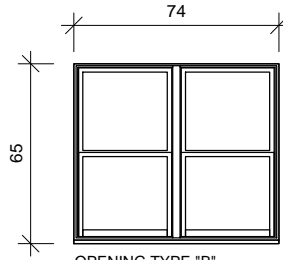
- A) EXTERIOR OPENINGS BELOW 30 FT ABOVE GRADE SHALL BE LARGE-MISSILE IMPACT RESISTANT &
- B) EXTERIOR OPENINGS ABOVE 30 FT ABOVE GRADE SHALL BE SMALL-MISSILE IMPACT RESISTANT



OPENING TYPE "A"
3(36 x 65) SH WINDOWS
W/ 2 MULLIONS

ZONE 4 - MAX WIND PRESSURE
+58.7 -60.3

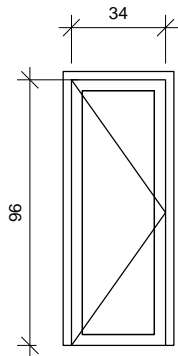
ZONE 5 - MAX WIND PRESSURE
N/A N/A



OPENING TYPE "B"
2 (37 x 65) SH WINDOWS
W/ 1 MULLION BAR

ZONE 4 - MAX WIND PRES.
+60.8 -61.7

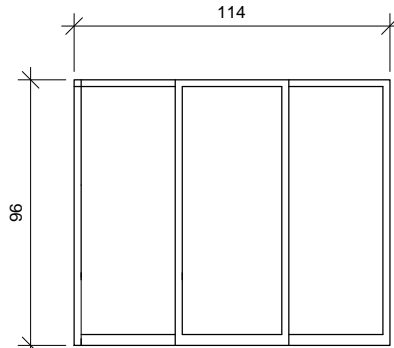
ZONE 5 - MAX WIND PRES.
N/A N/A



OPENING TYPE "C"
(34 x 96) HINGED FRENCH
DOOR W/ IMPACT GLAZING

ZONE 4 - MAX WIND PRES
+62.8 -63.1

ZONE 5 - MAX WIND PRES
N/A N/A



OPENING TYPE "D"
SLIDING GLASS DOOR OXO

ZONE 4 - MAX WIND PRES.
+55.0 -57.8

ZONE 5 - MAX WIND PRES.
N/A N/A

UNIT "C" GLAZING (OPENINGS)

REVISIONS	DATE

HILLMAN ENGINEERING INC.

970 West McNab Rd. Suite 210, Ft. Lauderdale, FL 33309
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 DATE: Da Month Year
 SCALE: 3/16" = 1'-0"
 JOB #: 7478-16

SHEET NAME
UNIT-C

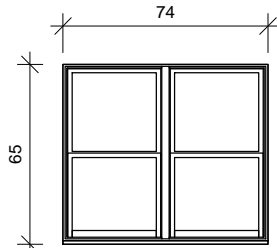
SHEET 3 OF 4

CERTIFICATE OF AUTHORIZATION #8785

UNIT D					
Opening type	Size	Zone 4 (psf)		Zone 5 (psf)	
		max P +	min P -	max P +	min P -
A	74x65	60.8	61.7	N/A	N/A
B	34x96	62.8	63.1	N/A	N/A
C	144x96	55	57.8	N/A	N/A
D	37x23	63.5	63.5	N/A	N/A
E	111x65	58.5	61.2	N/A	N/A

NOTE: PER FBC, 5TH ED., 2014, SECT 2410 & CHAP 16.

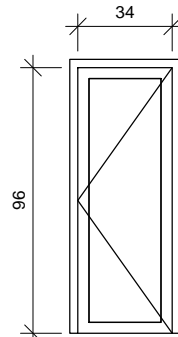
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OPENING TYPE "A"
2 (37 x 65) SH WINDOWS
W/ 1 MULLION BAR

ZONE 4 - MAX WIND PRES.
+60.8 -61.7

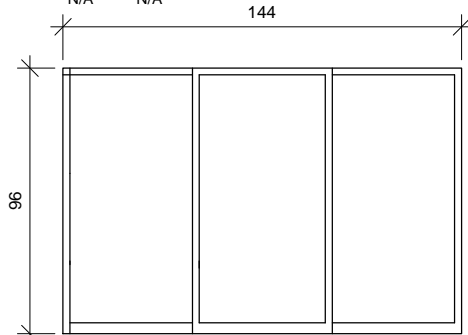
ZONE 5 - MAX WIND PRES.
N/A N/A



OPENING TYPE "B"
(34 x 96) HINGED FRENCH
DOOR W/ IMPACT GLAZING

ZONE 4 - MAX WIND PRES
+62.8 -63.1

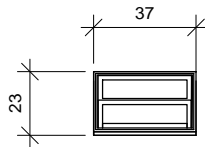
ZONE 5 - MAX WIND PRES
N/A N/A



OPENING TYPE "C"
SLIDING GLASS DOOR OXO

ZONE 4 - MAX WIND PRES.
+55.0 -57.8

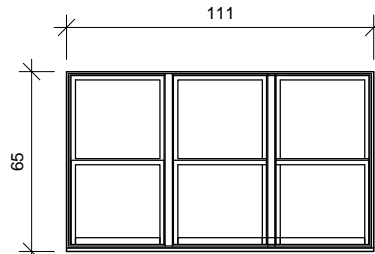
ZONE 5 - MAX WIND PRES.
N/A N/A



OPENING TYPE "D"
1 (37 x 23) SH WINDOWS

ZONE 4 - MAX WIND PRES.
+63.5 -63.5

ZONE 5 - MAX WIND PRES.
N/A N/A



OPENING TYPE "E"
3 (37 x 65) SH WINDOWS
W/ 2 MULLIONS

ZONE 4 - MAX WIND PRESSURE
+58.5 -61.2

ZONE 5 - MAX WIND PRESSURE
N/A N/A

UNIT "D" GLAZING (OPENINGS)

REVISIONS	DATE

HILLMAN ENGINEERING INC.

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 JOB #: 7478-16

SHEET NAME
UNIT-D
 SHEET 4 OF 4

CERTIFICATE OF AUTHORIZATION #8785

WINDOW & DOOR SPECIFICATIONS

[Note: items in brackets [] are options or comments, to be deleted or to replace other text as necessary.]

SECTION 08520

ALUMINUM WINDOWS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. SH-800 Multi-Story aluminum single hung window.

1.2 RELATED SECTIONS

- A. Section 07190 - Vapor and Air Barriers
- B. Section 07900 - Joint Sealants

1.3 REFERENCES

- A. AAMA - American Architectural Manufacturers Association
 - 1. AAMA 103.3-93 "Procedural Guide for Aluminum and Vinyl Prime Windows and Glass Doors, Insulating Storm Products for Windows and Glass Doors and Thermal Performance of Windows and Glass Doors"
 - 2. AAMA 1302.5-76, paragraph 3.1.1 Test A through 3.1.5 Test G "Voluntary Specifications for Forced-Entry Resistant Aluminum Prime Windows"
- B. ANSI - American National Standards Institute
 - 1. ANSI/AAMA/NWDA 101/I.S.2-97 "Voluntary Specification for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
- C. ASTM - American Society for Testing and Materials
 - 1. ASTM C 1036-91 "Standard Specification for Flat Glass"
 - 2. ASTM E 283-96 "Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors"

3. ASTM E 330-96 "Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference"
4. ASTM E 331-96 "Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference"
5. ASTM E 547-96 "Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Differential"
6. ASTM F 588-85 "Standard Test Methods for Resistance of Window Assemblies to Forced Entry Excluding Glazing"

D. Florida Building Code

1. Protocol TAS-201 "Impact Test"
2. Protocol TAS -202 "Air, Water, Structural Test"
3. Protocol TAS -203 "Cyclic Wind Load Test"

1.4 SYSTEM DESCRIPTION

- A. Configuration: flange construction single hung (single vent).
- B. Frame: 2.784" frame depth.
- C. Glazing: exterior glazed, with aluminum glazing bead, 3/16" [1/4"] [7/16" laminated with PVB [SGP] interlayer] [3/8" laminated] glass, factory glazed.
- D. [Muntins: double applied colonial configuration (raised external muntin, interior flatbar) [custom: ___ lites across and ___ lites high]]
- E. Performance Requirements
 1. When tested according to Miami-Dade County test protocols, meets the design pressures stated in the Miami-Dade County Notice(s) of Acceptance for this product.
 2. Air Infiltration: 0.3 (ft³)/min/(ft²) maximum when tested per ASTM E 283 at a 1.57 psf static air pressure difference.
 3. Water Resistance: no water leakage when tested per ASTM E 547 at a static air

[Note: items in brackets [] are options or comments, to be deleted or to replace other text as necessary.]

SECTION 08520

ALUMINUM WINDOWS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. PW820 Multi-Story flanged [equal leg] inside glazed picture window.

1.2 RELATED SECTIONS

- A. Section 07190 - Vapor and Air Barriers
- B. Section 07900 - Joint Sealants

1.3 REFERENCES

- A. AAMA - American Architectural Manufacturers Association
 - 1. AAMA 103.3-93 "Procedural Guide for Aluminum and Vinyl Prime Windows and Glass Doors, Insulating Storm Products for Windows and Glass Doors and Thermal Performance of Windows and Glass Doors"
 - 2. AAMA 1302.5-76, paragraph 3.1.1 Test A through 3.1.5 Test B "Voluntary Specifications for Forced-Entry Resistant Aluminum Prime Windows"
- B. ANSI - American National Standards Institute
 - 1. ANSI/AAMA/NWDA 101/I.S.2-97 "Voluntary Specification for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
- C. ASTM - American Society for Testing and Materials
 - 1. ASTM C 1036-91 "Standard Specification for Flat Glass"
 - 2. ASTM E 283-96 "Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors"

3. ASTM E 330-96 "Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference"
4. ASTM E 331-96 "Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference"
5. ASTM E 547-96 "Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Differential"
6. ASTM F 588-85 "Standard Test Methods for Resistance of Window Assemblies to Forced Entry Excluding Glazing"

D. Florida Building Code

1. Protocol TAS-201 "Impact Test"
2. Protocol TAS -202 "Air, Water, Structural Test"
3. Protocol TAS -203 "Cyclic Wind Load Test"

1.4 SYSTEM DESCRIPTION

A. Configuration: flanged [equal leg] construction fixed glass aluminum picture window.

B. Frame: 2.784" frame depth.

C. Glazing: interior glazed, with aluminum glazing bead, 3/16" [1/4"] [tempered] [7/16" laminated] [9/16" laminated] glass, factory glazed.

D. [Muntins: double-applied flatbar]

E. Performance Requirements

1. When tested according to Miami-Dade County test protocols, meets the design pressures stated in the Miami-Dade County Notice(s) of Acceptance for this product.
2. Air Infiltration: 0.3 (ft³)/min/(ft²) maximum when tested per ASTM E 283 at a 1.57 psf static air pressure difference.
3. Water Resistance: no water leakage when tested per ASTM E 547 at a static air pressure difference of 15% of the positive design pressure.

[Note: items in brackets [] are options or comments, to be deleted or to replace other text as necessary.]

SECTION 08120

ALUMINUM DOORS AND FRAMES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. FD-750 aluminum outswing French Door.

1.2 RELATED SECTIONS

- A. Section 07190 - Vapor and Air Barriers
- B. Section 07900 - Joint Sealants

1.3 REFERENCES

- A. AAMA - American Architectural Manufacturers Association
 - 1. AAMA 103.3-93 "Procedural Guide for Aluminum and Vinyl Prime Windows and Glass Doors, Insulating Storm Products for Windows and Glass Doors and Thermal Performance of Windows and Glass Doors"
 - 2. AAMA 1302.5-76, paragraph 3.1.1 Test A through 3.1.5 Test B "Voluntary Specifications for Forced-Entry Resistant Aluminum Prime Windows"
- B. ANSI - American National Standards Institute
 - 1. ANSI/AAMA/NWWDA 101/I.S.2-97 "Voluntary Specification for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
- C. ASTM - American Society for Testing and Materials
 - 1. ASTM C 1036-91 "Standard Specification for Flat Glass"
 - 2. ASTM E 283-96 "Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors"

3. ASTM E 330-96 "Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference"
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5. ASTM E 547-96 "Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Differential"
6. ASTM F 588-85 "Standard Test Methods for Resistance of Window Assemblies to Forced Entry Excluding Glazing"

D. Florida Building Code

1. Protocol TAS-201 "Impact Test"
2. Protocol TAS -202 "Air, Water, Structural Test"
3. Protocol TAS -203 "Cyclic Wind Load Test"

1.4 SYSTEM DESCRIPTION

- A. Configuration: aluminum outswing french door, single door (X) [double door (XX)] [with sidelites (OXO) [OXXO]].
- B. Frame: 3 5/8" jamb depth, standard outswing threshold (1/2" high exterior, 1 1/4" high interior).
- C. Glazing: exterior glazed, with aluminum glazing bead, 7/16" laminated] [7/8"laminated insulating 3/16" glass, 1/4" air 7/16" laminated].
- D. [Muntins: double applied colonial configuration (raised ogee muntins) [custom: specify pattern and number of lites] [grids between glass (flat GBG)] [classic simulated divided lite (double ogee raised on exterior and interior with flat GBG)]
- E. Performance Requirements
 1. When tested according to Miami-Dade County test protocols, meets the design pressures stated in the Miami-Dade County Notice(s) of Acceptance for this product.
 2. Air Infiltration: 0.3 (ft³)/min/ft maximum when tested per ASTM E 283 at a 1.57 psf static air pressure difference.

[Note: items in brackets [] are options or comments, to be deleted or to replace other text as necessary.]

SECTION 08160

ALUMINUM SLIDING GLASS DOORS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. SGD-780 aluminum sliding door

1.2 RELATED SECTIONS

- A. Section 07190 - Vapor and Air Barriers
- B. Section 07900 - Joint Sealants

1.3 REFERENCES

- A. AAMA - American Architectural Manufacturers Association

1. AAMA 103.3-93 "Procedural Guide for Aluminum and Vinyl Prime Windows and Glass Doors, Insulating Storm Products for Windows and Glass Doors and Thermal Performance of Windows and Glass Doors"
2. AAMA 1302.5-76, paragraph 3.1.1 Test A through 3.1.5 Test B "Voluntary Specifications for Forced-Entry Resistant Aluminum Prime Windows"

- B. ANSI - American National Standards Institute

1. ANSI/AAMA/NWDA 101/I.S.2-97 "Voluntary Specification for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"

- C. ASTM - American Society for Testing and Materials

1. ASTM C 1036-91 "Standard Specification for Flat Glass"
2. ASTM E 283-96 "Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors"

3. ASTM E 330-96 "Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference"
4. ASTM E 331-96 "Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference"
5. ASTM E 547-96 "Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Differential"
6. ASTM F 588-85 "Standard Test Methods for Resistance of Window Assemblies to Forced Entry Excluding Glazing"

D. Florida Building Code

1. Protocol TAS-201 "Impact Test"
2. Protocol TAS -202 "Air, Water, Structural Test"
3. Protocol TAS -203 "Cyclic Wind Load Test"

1.4 SYSTEM DESCRIPTION

- A. Configuration: aluminum sliding glass door, ___ panel, ___ track, by-pass [[1] [2] pocket,] ___ moveable panels (X panels), [___ fixed panels (O panels)]. [Countertop unit.] [Box screen]. Standard stack [Reverse stack] [Double interlock].
- B. Frame: _____ jamb depth.
- C. Glazing: exterior glazed, with aluminum glazing bead, 7/16" laminated] [1 1/16" laminated insulating 1/4" or 3/16" glass, 3/8" or 5/16" air 7/16" laminated].
- D. [Muntins: double applied colonial configuration (raised ogee muntins) [custom: specify pattern and number of lites] [grids between glass (flat GBG)] [classic simulated divided lite (double ogee raised on exterior and interior with flat GBG)]
- E. Performance Requirements
 1. When tested according to Miami-Dade County test protocols, meets the design pressures stated in the Miami-Dade County Notice(s) of Acceptance for this product.
 2. Air Infiltration: 0.3 (ft³)/min/ft maximum when tested per ASTM E 283 at a 1.57 psf static air pressure difference.

**MIAMI-DADE COUNTY
PRODUCT APPROVALS / NOA'S**



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

PGT Industries, Inc.
1070 Technology Drive
North Venice, FL 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.-

DESCRIPTION: Series "SH-800" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. MD-SH800LM-01, titled "SH Window – Large Missile", sheets 1 through 8 of 8, dated 11/11/11 with revision B dated 05/15/16, prepared by manufacturer, signed and sealed by A. Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews** NOA# 15-0609.02 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



Manuel Perez
8/9/16

NOA No. 16-0714.01
Expiration Date: May 03, 2022
Approval Date: August 18, 2016
Page 1



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

PGT Industries, Inc.
1070 Technology Drive
North Venice, FL 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

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This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.-

DESCRIPTION: Series "PW-701/720/820" Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. MD-720-820.1, titled "Fixed Window Installation Guidelines", sheets 1 through 11 of 11, dated 04/12/13, with revision B dated 05/05/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 15-0528.26 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



Handwritten signature and date: 7/29/16

NOA No. 16-0629.14
Expiration Date: February 19, 2019
Approval Date: August 04, 2016
Page 1



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

PGT Industries, Inc.
1070 Technology Drive,
Nokomis, Fl. 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "FD-750" Outswing Aluminum French Door w/ Sidelites - L.M.I.

APPROVAL DOCUMENT: Drawing No. **8000-11**, titled "Alum. French Door & Side Lites, Impact", sheets 1 through 12 of 12, dated 12/23/04, with revision "F" dated 05/05/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. **14-1117.05** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jorge M. Plasencia, P. E.**



Handwritten signature and date: JP 7/28/16

NOA No. 16-0629.16
Expiration Date: February 24, 2020
Approval Date: July 28, 2016
Page 1



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

PGT Industries, Inc.
 1070 Technology Drive
 North Venice, FL 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

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This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "SGD-780" Aluminum Sliding Glass Door w/90° & 135° corner (Reinf/Non-Reinf)- **L.M.I.**

APPROVAL DOCUMENT: Drawing No. **MD-780.0 Rev A**, titled "Aluminum Sliding Glass Door (LM)", sheets 1 through 18 of 18, dated 10/05/15 and last revised on 06/08/16, prepared by PGT Industries, signed and sealed by Anthony Lynn Miller, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Max Panels configuration is allowed per tables 1 thru 3, not to exceed 462.11 ft². The inside/outside 90° & 135° corner units are limited to straight panel each corner side per tables 1 thru 3.
2. See sheets 7 & 8 for Design Pressure (DP), glass type, sill type for positive DP limit, applicable reinforcement and anchorage quantity requirements. See sheets 12 thru 15 for anchors lay out at tracks and corners. See Pocket anchor details in sheet 6.
3. Pockets wall, cavity are not part of this approval. Exterior/Interior Pocket wall & applicable Egress requirement to be reviewed by Building official.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

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INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #15-0903.09 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No. 16-0629.10
 Expiration Date: August 02, 2017
 Approval Date: August 11, 2016
 Page 1

8/11/16