



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](http://www.miamidade.gov/economy)

PGT Industries  
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 "AW-640" Aluminum Awning Window – N.I.

**APPROVAL DOCUMENT:** Drawing No. MD-AW640-NI, titled "Awning Window Details – NP", sheets 1 through 11 of 11, dated 08/08/12, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: None.

**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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



*Handwritten signature and date: 4/4/13*

NOA No. 12-1218.08  
Expiration Date: April 11, 2018  
Approval Date: April 11, 2013  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **MD-AW640-NI**, titled "Awning Window Details – NI", sheets 1 through 11 of 11, dated 08/08/12, signed and sealed by Anthony Lynn Miller, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of a series CA740P alum. projected (awning) window, prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-7062**, dated 09/18/12, signed and sealed by Marlin D. Brinson, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 12/07/12, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

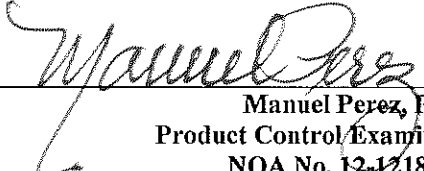
1. None.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-2010**, dated December 10, 2012, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated December 10, 2012, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. **12-1499** issued by Product Control, dated July 31, 2012, signed by Manuel Perez, P.E.

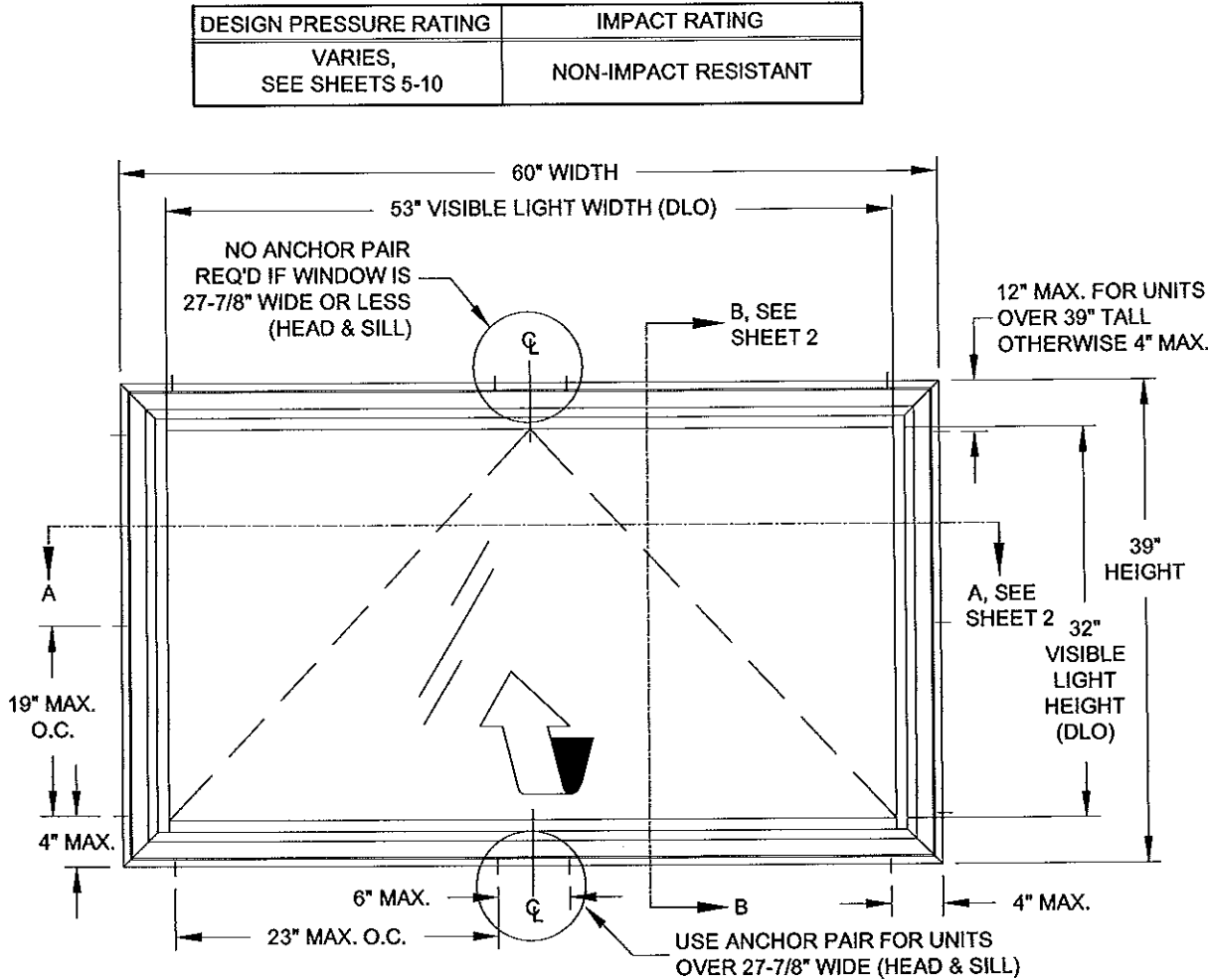
**G. OTHER**

1. None.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. **12-1218.08**  
Expiration Date: April 11, 2018  
Approval Date: April 11, 2013

GENERAL NOTES: SERIES 640  
NON-IMPACT 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 REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE, SEE TABLE 3, SHEET 4.
- 4) 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.
- 5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT EMBEDMENT AS SPECIFIED ON TABLE 3, SHEET 4. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME. 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.
- 6) SHIMS ARE REQUIRED AT EACH 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.
- 7) DESIGN PRESSURES:  
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.  
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
- 8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS 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.
- 9) REFERENCES: TEST REPORTS FTL-7062, 3579, 3580, 3724; ELCO ULTRACON NOA; ELCO CRETEFLEX NOA; ANSI/AF&PA NDS FOR WOOD CONSTRUCTION AND ADM ALUMINUM DESIGN MANUAL.

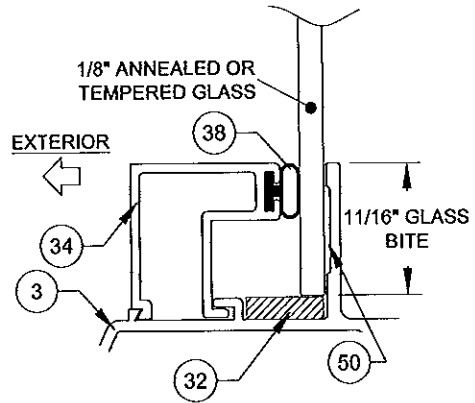


TYP. ELEVATION OF AWNING WINDOW

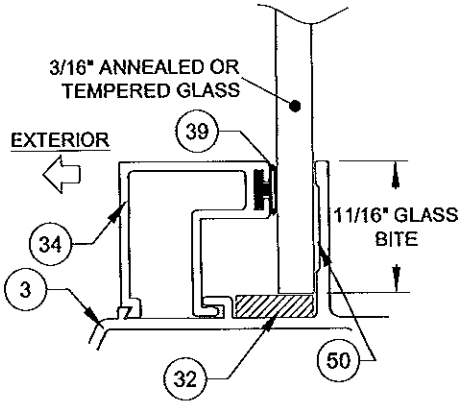
TABLE 1:

Glass Types		Sheet #
1	1/8" Annealed	5
2	1/8" Tempered	6
3	3/16" Annealed	7
4	3/16" Tempered	6
5	1/4" Annealed	7
6	1/4" Tempered	6
7	9/16" IG: (1/8" An - 5/16" Air - 1/8" An)	8
8	9/16" IG: (1/8" T - 5/16" Air - 1/8" T)	9
9	7/8" IG: (3/16" An - 1/2" Air - 3/16" An)	10
10	7/8" IG: (3/16" T - 1/2" Air - 3/16" T)	9

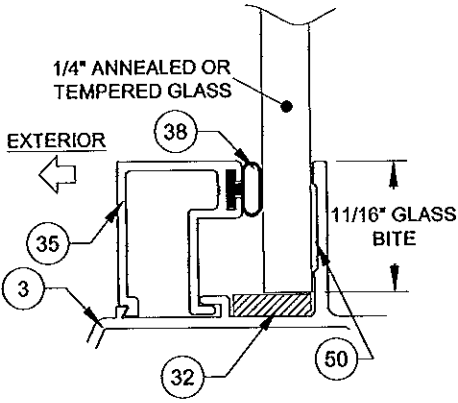
GENERAL NOTES.....	1
ELEVATION.....	1
GLAZING DETAILS.....	1
INSTALLATION.....	2
ASSEMBLY TUBE DETAILS.....	3
ANCHOR SPECIFICATIONS.....	4
ANCHOR QUANTITIES.....	4
DESIGN PRESSURES.....	5-10
ASSEMBLY DETAILS/BOM.....	11



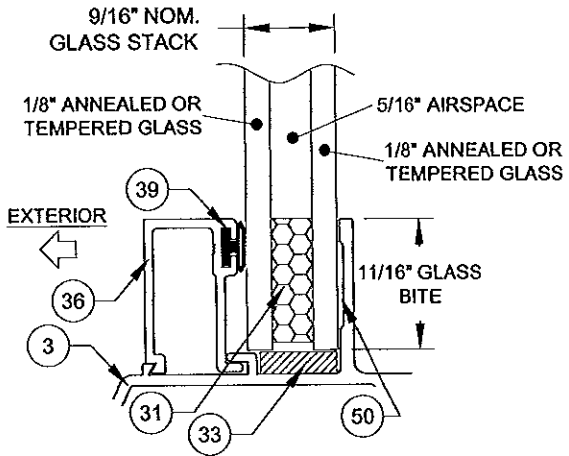
GLASS TYPES 1 & 2



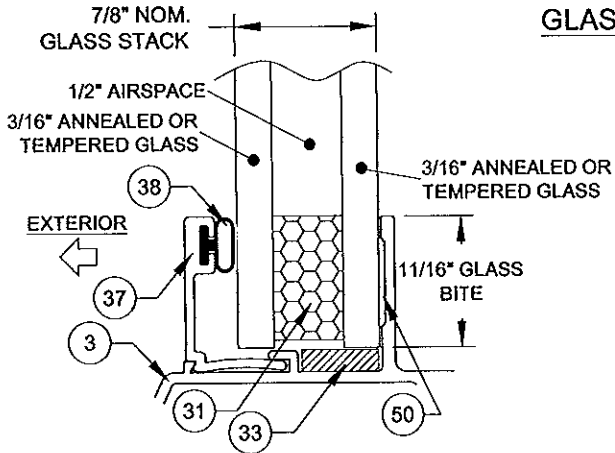
GLASS TYPES 3 & 4



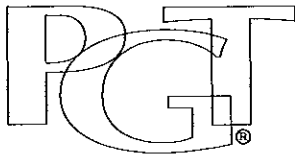
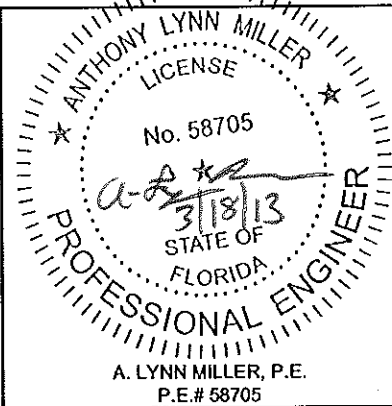
GLASS TYPES 5 & 6



GLASS TYPES 7 & 8



GLASS TYPES 9 & 10



1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274

CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
Revised By:	Date:	Revision:

Description:  
GENERAL NOTES & ELEVATION

Title:  
AWNING WINDOW DETAILS - NI

Series/Model:  
AW-640

Scale:  
NTS

Sheet:  
1 OF 11

Drawing No.  
MD-AW640-NI

Rev:

Approved as complying with the  
Florida Building Code  
Date: 12-12-13  
NOA# 12-1218-08  
Miami Dade Product Control  
By: [Signature]

Drawn By:  
J ROSOWSKI

Date:  
08/08/12

# INSTALLATION OPTION 1

INSTALLATION ANCHORS  
INTO 2X WOOD.

AS REQUIRED PER  
TABLE 3, SHEET 4

EDGE  
DISTANCE

EDGE DISTANCE

EMBEDMENT

TYP. ANCHOR  
TYPE, EMBEDMENT  
AND EDGE  
DISTANCE PER  
SUBSTRATE, SEE  
TABLE 3, SHEET 4.

ATTACHED TO  
FRAME JAMB

ATTACHED TO  
VENT JAMB

ATTACHED TO  
FRAME JAMB

ATTACHED TO  
FRAME JAMB

ATTACHED TO  
FRAME & VENT  
JAMB

ATTACHED TO  
FRAME JAMB

ATTACHED TO  
VENT JAMB

ATTACHED TO  
FRAME JAMB

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## VERTICAL SECTION B-B

CONCRETE  
PER ANCHOR  
REQUIREMENT

1/4" MAX SHIM

EMBEDMENT

1X WOOD  
BUCKSTRIP,  
SEE NOTE 2,  
THIS SHEET.

WINDOW  
HEIGHT

BUCK  
HEIGHT

VISIBLE  
LIGHT  
HEIGHT  
(DLO)

EXTERIOR

INSTALLATION OPTION 3  
INSTALLATION ANCHORS THROUGH  
1X BUCKSTRIP INTO MASONRY.

# INSTALLATION OPTION 2

INSTALLATION ANCHORS  
DIRECTLY INTO MASONRY.

CONCRETE/CMU  
PER ANCHOR  
REQUIREMENT

1/4" MAX  
SHIM

EDGE  
DISTANCE

EMBEDMENT

OPTIONAL ADDON  
FLANGE @ HEAD,  
SILL & JAMBS

ATTACHED TO  
VENT SILL

ATTACHED TO  
FRAME SILL

VISIBLE LIGHT WIDTH (DLO)

WINDOW WIDTH

## HORIZONTAL SECTION A-A

SEE DETAIL  
A1, BELOW

10" MAX.

10" MAX.

SEE DETAIL A2, BELOW

DETAIL  
A1

DETAIL  
A2

# INSTALLATION OPTION 4

INSTALLATION ANCHORS  
DIRECTLY INTO METAL.

BUCK WIDTH

#12 STEEL  
SELF-DRILLING  
SMS, SEE TABLE  
3, SHEET 4.

DADE APPROVED  
MULLION, ALUMINUM,  
STEEL FRAMING OR  
STEEL STUD.

EXTERIOR

### NOTES:

1) USE ONLY SUBSTRATE-APPROPRIATE  
ANCHORS LISTED ON TABLE 3, SHEET 4.  
FOLLOW EMBEDMENT AND EDGE  
DISTANCE LIMITS. ANY INSTALLATION  
OPTION SHOWN MAY BE USED ON ANY  
SIDE OF THE WINDOW.

2) ALL WOOD BUCKS LESS THAN 1-1/2"  
THICK ARE TO BE CONSIDERED 1X  
INSTALLATIONS. 1X WOOD BUCKS  
OPTIONAL. UNIT MAY BE 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. MAXIMUM  
SHIM THICKNESS TO BE 1/4".

### NOTES:

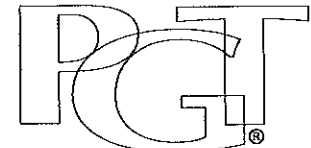
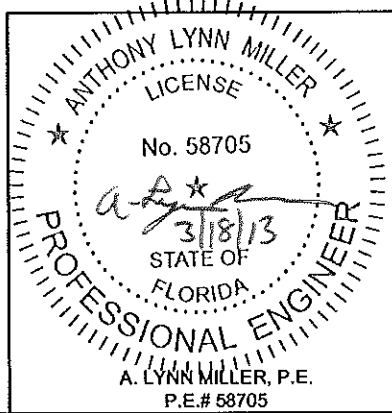
1) WHEN INSTALLING  
COMBINATION UNITS,  
ADDITIONAL INSTALLATION  
ANCHORS MAY NEED TO BE  
INSTALLED THROUGH THE  
WINDOW FRAMES AT 10" MAX.  
FROM EACH SIDE OF THE FRAME  
ASSEMBLY TUBE CENTERLINE.  
SEE TABLE BELOW:

Additional Anchors Required on each  
Side of the Frame Assembly Tube (FAT)

Window Width	Anchor Type	
	A	B, C & D
17" - 22.9"	0	0
23" - 25.9"	0	1
26"+	1	1
Window Height	Anchor Type	
	A	B, C & D
17" - 22.9"	0	0
23" - 25.9"	0	1
26"+	1	1

VISIBLE LIGHT FORMULAS  
WIDTH: WINDOW WIDTH - 7  
HEIGHT: WINDOW HEIGHT - 7

Approved as complying with the  
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Date: 12/12/13  
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Miami Dade Product Control  
By: [Signature]



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Description:  
**GENERAL NOTES & ELEVATION**

Title:  
**AWNING WINDOW DETAILS - NI**

Series/Model: <b>AW-640</b>	Scale: <b>NTS</b>	Sheet: <b>2 OF 11</b>
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Drawn By:  
**J ROSOWSKI**

Date:  
**08/08/12**

Drawing No. <b>MD-AW640-NI</b>	Rev:
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