



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

NOTICE OF ACCEPTANCE (NOA)

Air Master Awning, LLC
Road #2, Km #56.7, P.O. BOX 2097
Barceloneta, PR 00617

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

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 "SH250-IR" Aluminum Single Hung Window L.M.I.

APPROVAL DOCUMENT: Drawing No. 12-200, titled "SH250 IR-Aluminum Single Hung Window", sheets 1 through 5 of 5, dated 08/12/12, with revision #1 dated 08/12/12, prepared by Knezevich Associates Consulting Engineers., signed and sealed by V.J. Knezevich, 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 NOA# 10-1112.08 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.



MP
10/19/12

NOA No. 12-0608.02
Expiration Date: February 23, 2016
Approval Date: October 25, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **12-200**, titled "SH250 IR-Aluminum Single Hung Window", sheets 1 through 5 of 5, dated 08/12/12, with revision #1 dated 08/12/12, prepared by Knezevich Associates Consulting Engineers, signed and sealed by V.J. Knezevich, P.E.

B. TESTS

1. Test reports on:
 - 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with installation diagram of aluminum single hung windows mulled together, prepared by Blackwater Testing, Inc., Test Report No. **BT-AM-12-001**, dated 04/25-30/12, signed and sealed by Yamil Gerardo Kuri, P.E.
2. 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) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with installation diagram of aluminum fixed window, prepared by Architectural Testing, Inc., Test Report No. **ATI-B3810.01-450-18**, dated 08/17-09/23/11, signed and sealed by Vinu J. Abraham, P.E.
3. 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) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with installation diagram of aluminum fixed window, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0263-0828-05**, dated 08/29/-09/02/05, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under previous NOA #05-1121.07)

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Knezevich Associates Consulting Engineers, dated 06/05/12, signed and sealed by V. J. Knezevich, P.E.
2. Glazing complies with ASTM E1300-04


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0608.02
Expiration Date: February 23, 2016
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Air Master Awning, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0325.05** issued to **Solutia, Inc.** for their "**Saflex and Vanceva clear and color interlayers**" dated 05/05/11, expiring on 05/21/16

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, issued by Knezevich Associates Consulting Engineers, dated May 18, 2012, signed and sealed by V. J. Knezevich, P. E.
2. Statement letter of no financial interest, issued by Knezevich Associates Consulting Engineers, dated May 12, 2012, signed and sealed by V. J. Knezevich, P.E.
3. Distributor Agreement between Air Master Awning, LLC, Barceloneta, Puerto Rico and NSDL Windows & Doors, LLC, West Palm Beach, Florida, USA, dated 05/30/12, signed by Nico Megwinoff and David T. Zajac, respectively.
4. Laboratory compliance letter for Test Report No. **HTL-0263-0828-05**, issued by Hurricane Test Laboratory, LLC, dated 11/16/05, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under previous NOA# 05-1121.07)
5. Letter from manufacturer informing us of the name change from **Air Master, Inc.** into **Air Master Awning LLC.**, dated September 3, 2012, signed by Juan E. Velazquez, Engineering Products Director.
6. **Certificate of Conversion dated August 17, 2011, signed by Kenneth McClintock Hernandez, converting Air Master, Inc. into Air Master Awning LLC.**, filed with the Government of Puerto Rico on October 13, 2011.
7. Department of State Certification of **Air Master Awning LLC** as a limited liability company, active and organized under the laws of Puerto Rico, dated May 15, 2012 and signed by Kenneth McClintock Hernandez. Secretary of State.

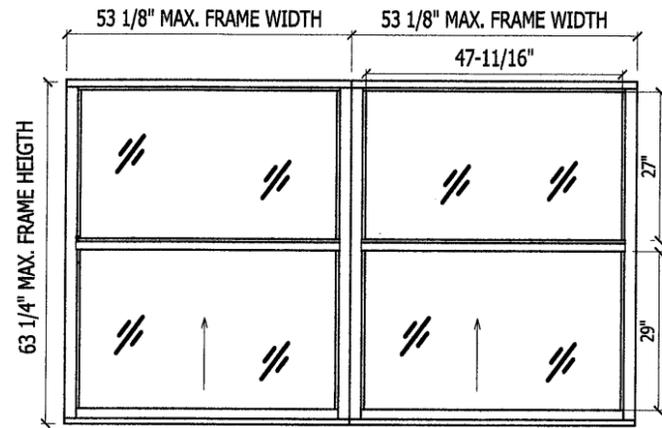
G. OTHER

1. Notice of Acceptance No. **10-1112.08**, issued to Air Master Awning, Inc. for their Series "250-IR" Aluminum Single Hung Window – L.M.I., approved on 02/03/11 and expiring on 02/23/16.

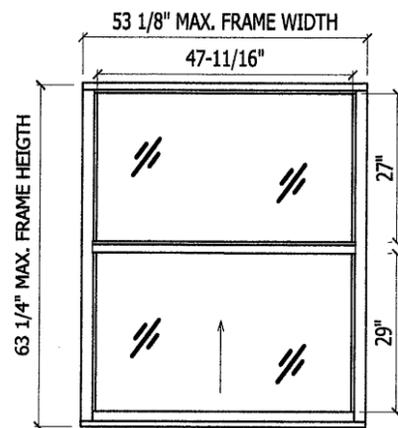


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0608.02

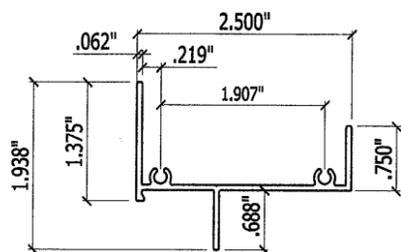
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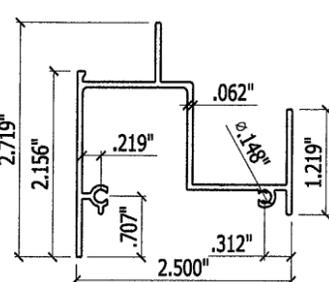
**TYPICAL EXTERIOR ELEVATION
MULTIPLE SINGLE HUNG WINDOW**
SCALE: N.T.S.



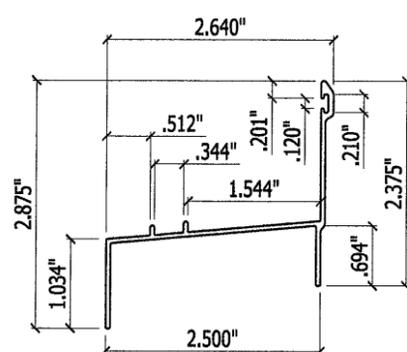
**TYPICAL EXTERIOR ELEVATION
SINGLE HUNG WINDOW**
SCALE: N.T.S.



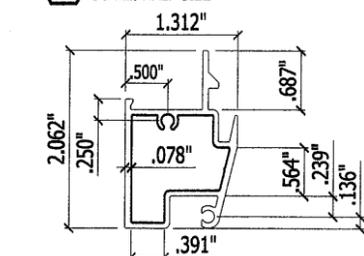
1 FRAME HEAD W/ FLANGE
SCALE: HALF SIZE



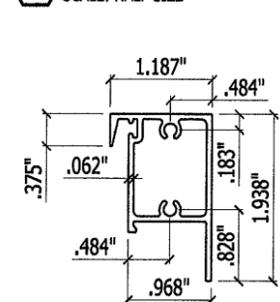
2 FRAME JAMB W/ FLANGE
SCALE: HALF SIZE



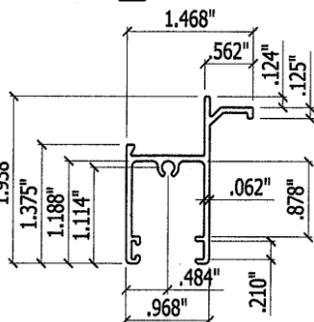
3 FRAME SILL
SCALE: HALF SIZE



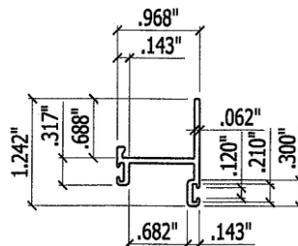
4 FIXED MEET RAIL
SCALE: HALF SIZE



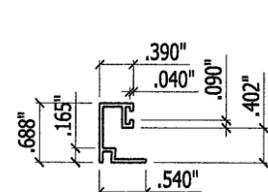
5 VENT TOP
SCALE: HALF SIZE



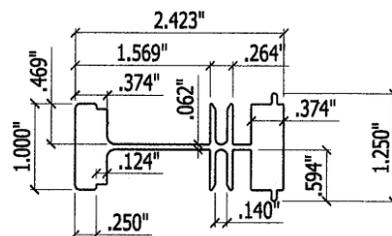
6 VENT BOTTOM
SCALE: HALF SIZE



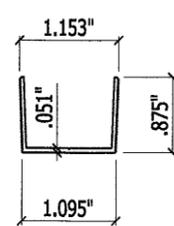
7 VENT JAMB
SCALE: HALF SIZE



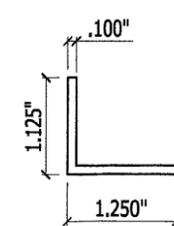
8 GLASS STOP
SCALE: HALF SIZE



9 MULLON ZERO
SCALE: HALF SIZE
MATERIAL: 6063-T6



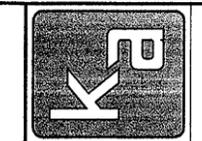
10 VENT STOP
SCALE: HALF SIZE



11 CLIP ANGLE
SCALE: HALF SIZE

GENERAL NOTES:

- THIS WINDOW SYSTEM HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC), INCLUDING THE HVHZ, UNDER THE SPECIFIC CONDITIONS SHOWN ON THIS DRAWING. THIS WINDOW SYSTEM HAS COMPLIED WITH FBC 2411.3.2.1/AAMA 101/1.S.2-97 (ASTM E283, ASTM E331, ASTM F588) AND TAS 201, TAS202 & TAS203. THIS WINDOW SYSTEM IS LARGE MISSILE IMPACT RESISTANT.
- 1x OR 2 x WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF FBC.
- ANCHOR CONDITIONS NOT DESCRIBED IN THIS DRAWING ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS.
- DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH ASCE 7, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE USED PER THE ASCE 7 STANDARD.
- REFERENCE THE APPROPRIATE WIND LOAD TABLES BASED ON THE GOVERNING CODE, CATEGORY AND WIND VELOCITY TO DETERMINE THE DESIGN LOAD TO USE WHEN REFERENCING THESE DOCUMENTS. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. A WIND LOAD DURATION FACTOR OF 1.6 WAS USED FOR WOOD SCREW ANALYSIS. IN THE PREPARATION OF THESE DOCUMENTS.
- THESE PRODUCT EVALUATION DOCUMENTS ARE PREPARED BY THE PRODUCT ENGINEER AND ARE GENERIC. THEY DO NOT INCLUDE INFORMATION PREPARED FOR A SPECIFIC SITE.
- THESE PRODUCT EVALUATION DOCUMENTS ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THE EXISTING STRUCTURE IS CAPABLE OF SUPPORTING THE LOADS.
- WHEN THE SITE CONDITIONS DEVIATE FROM THESE PRODUCT EVALUATION DOCUMENTS, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT. IF THE DEVIATING SITE SPECIFIC DOCUMENTS ARE PREPARED BY A DELEGATED FLORIDA REGISTERED ENGINEER OR ARCHITECT, SAID DOCUMENTS SHALL BEAR THE DATE, SIGNATURE, AND ORIGINAL SEAL OF THE DELEGATED ENGINEER OR ARCHITECT AND SHALL BE SUBMITTED TO THE PRODUCT ENGINEER FOR REVIEW.
- WHERE THE CONTRACTOR OR THE BUILDING OFFICIAL REQUIRES DOCUMENTS FOR A SITE SPECIFIC APPLICATION, THESE DOCUMENTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT FOR SAID APPLICATION.
- ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED.
- GLAZING MATERIALS:
THE GLASS CONSISTED OF 5/16" THICK (NOMINAL) LAMINATED GLASS COMPRISED OF THE FOLLOWING COMPONENTS:
A. 1/8" ANNEALED GLASS
B. 0.090" SOLUTIA SAFLEX IIIIG PVB INTERLAYER (MIAMI-DADE NOA #09-0127.13)
C. 1/8" ANNEALED GLASS
- SEE WINDOW SIZE VS DESIGN LOADS & ANCHOR SCHEDULE ON PAGE 3
A. POSITIVE LOAD IS 60 PSF FOR ALL SIZES AND IS BASED ON WATER TEST PRESSURE AND LAMINATED GLASS CHART FIG.A1.29 IN ASTM E1300-04e1.
B. NEGATIVE LOAD VARIES FROM 60.3 PSF TO 73.7 PSF AND COMPLIES WITH LAMINATED GLASS CHART FIG.A1.29 IN ASTM E1300-04e1.
- MATERIALS, INCLUDING, BUT NOT LIMITED TO STEEL SCREWS THAT COME INTO CONTACT WITH DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION.
- THIS PRODUCT HAS BEEN SUCCESSFULLY TESTED BY HTL AND BLACKWATER TESTING FOR FLORIDA BUILDING CODE COMPLIANCE.
A. HTL REPORT NO. 0263-0803-11
B. BLACKWATER TESTING INC. REPORT NO. BT-AM-12-001
- ADDITIONAL PROTECTION FROM WINDBORNE DEBRIS (SHUTTERS) IS NOT REQUIRED ON OPENINGS WHERE THIS PRODUCT IS USED.
- COMPONENTS THROUGH ARE 6063-T5 EXTRUDED ALUMINUM ALLOY UNLESS OTHERWISE NOTED.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE P.T. & COMPATIBLE WITH ALUMINUM.
- MATERIALS, INCLUDING, BUT NOT LIMITED TO FASTENERS OR SCREWS THAT COME IN CONTACT WITH DISSIMILAR METALS SHALL MEET THE REQUIREMENTS OF FBC CHAPTER 20. ALSO FASTENERS & SCREWS MUST BE COMPATIBLE WITH CHEMICALS USED FOR PRESSURE TREATMENT OF WOOD.



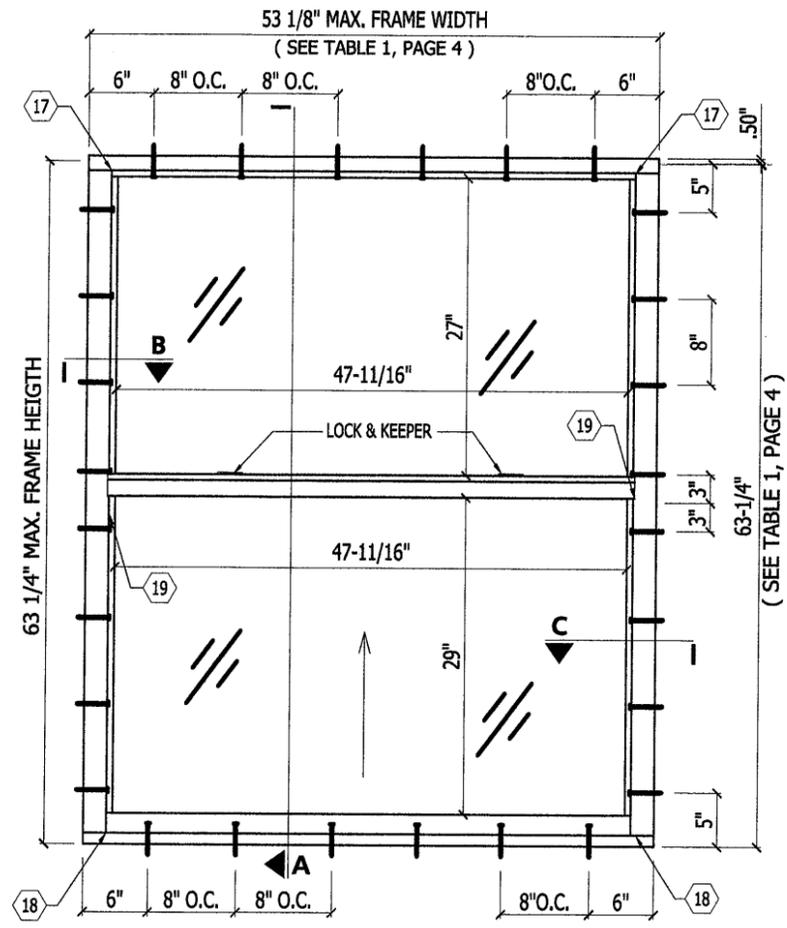
KNEZEVICH ASSOCIATES
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**SH250 IN-ALUMINUM
SINGLE HUNG WINDOW**
AIR MASTER AWNING, LLC
WINDOWS AND DOORS
ROAD PR #2 INTERIOR KM 56.7
BARCELONETA, P.R. 00617
Tel. (787) 623-1800 Fax (787) 623-0087

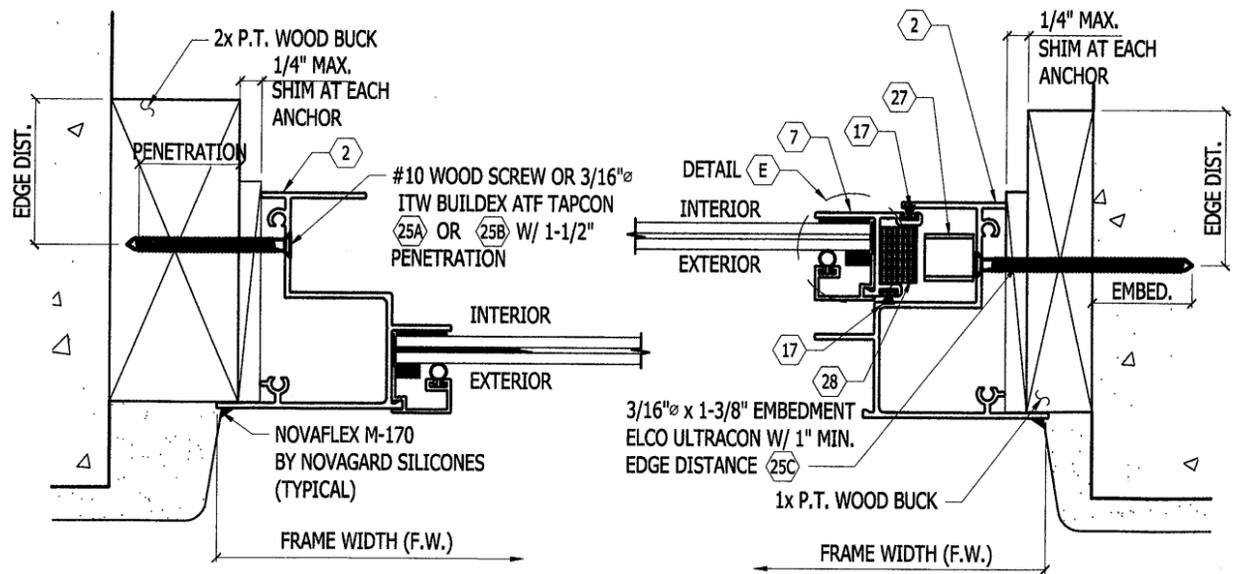
| no. | description | by | date |
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| | REVISIONS | | |
| | | | |
| | | | |

V.J. Knezevich
Professional Engineer
FL License No.: FE 0010983
[Signature]
OCT 12 2012
drawn by ARV scale AS NOTED
date 08/12/2012
drawing no. **12-200**
sheet 1 of 5

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **12-0608.02**
Expiration Date **Feb. 23, 2016**
By *[Signature]*
Miami Dade Product Control



EXTERIOR ELEVATION SINGLE HUNG WINDOW
SCALE: 3/8" = 1'-0"

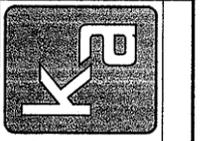


B JAMB TO 2x WOOD BUCK CONNECTION
SCALE: HALF SIZE

C JAMB TO CONCRETE CONNECTION
SCALE: HALF SIZE

| BILL OF MATERIAL | | | |
|--------------------|---------------|--|---|
| ITEM # | PART # | ITEM DESCRIPTION | MANUFACTURER/NOTES |
| PARTS & EXTRUSIONS | | | |
| 1 | 22018 | FRAME HEAD W/FLANGE | GLOBAL HOLDEX / 6063-T5 |
| 2 | 22022 | FRAME JAMB W/FLANGE | GLOBAL HOLDEX / 6063-T5 |
| 3 | 22701 | FRAME SILL | GLOBAL HOLDEX / 6063-T5 |
| 4 | 22019 | FIXED MEETING | GLOBAL HOLDEX / 6063-T5 |
| 5 | 22023 | VENT. TOP | GLOBAL HOLDEX / 6063-T5 |
| 6 | 22024 | VENT BOTTOM | GLOBAL HOLDEX / 6063-T5 |
| 7 | 22025 | VENT JAMB | GLOBAL HOLDEX / 6063-T5 |
| 8 | 22250 | GLASS STOP | GLOBAL HOLDEX / 6063-T5 |
| 9 | 22014 | MULLON ZERO | GLOBAL HOLDEX / 6063-T6 PERFILES DE ALUMINIO / 6063-T6 |
| 10 | 22012 | VENT STOP SH 250 | WILLIAM BONNELL / 6063-T5 PERFILES DE ALUMINIO / 6063-T5 |
| 11 | 96520 | ANGULAR 1.25"x.1.125"x 0.1" x2" | GLOBAL HOLDEX / 6063-T5 PERFILES DE ALUMINIO / 6063-T5 |
| GLASS | | | |
| 12 | 75192 | IMPACT GLASS 5/16" CLEAR 1/8" ANN - .090" SOLUTIA SAFLEX-IIIIG PVB - 1/8" ANN | AGC FLAT GLASS NORTH AMERICA |
| SEALS & SEALANTS | | | |
| 13 | 22438 | WEATHERSTRIP SILL | ULTRAFAB |
| 14 | 96917 | VINYL BOTTOM RAIL | SOUTHERN PLASTICS |
| 15 | 96936 | VINYL FP-448 BLACK | SOUTHERN PLASTICS |
| 16 | 53580 | DC-995 SILICON STRUCTURAL BLACK | CARIBBEAN SALES AGENCY |
| 17 | 96817 | FELPA #1220 VENT JAMB | ULTRAFAB |
| 18 | 95000 | BUTYL GASKET JAMB-HEAD | LAMATEK, INC |
| 19 | 95001 | BUTYL GASKET JAMB-SILL | LAMATEK, INC |
| 20 | 95002 | BUTYL GASKET FIX MEETING | LAMATEK, INC |
| FASTENERS | | | |
| 21 | 95499 | SCR 8x3/4" PHI P/H SS T-A | LA CASA DE LOS TORNILLOS SONFAST / CENTURY FASTENERS |
| 22 | 60707 | NUTS BLIND 10-24 | REMACHES DE PUERTO RICO |
| 23 | 95694 | 10-24x1-1/2" PHI F/H S/S | LA CASA DE LOS TORNILLOS SONFAST |
| 24 | EAJ185 | #12-14 x 1" 300 S.S. BI-METAL TEC PT. 2 HWH | ELCO CONSTRUCTION PRODUCTS-BI-FLEX |
| 25 | ELG OR ELD | 1/4"φ ELCO ULTRACON PHI F/H P/H | ELCO CONSTRUCTION PRODUCTS WITH STALGARD |
| 25A | N/A | #10 WOOD SCREW PHI F/H S.S. | W/ DISSIMILAR METALS CORROSION COATING |
| 25B | N/A | 3/16"φ ITW BUILDEX ATF TAPCON PHI F/H | CLIMASEAL COATING FOR DISSIMILAR METALS |
| 25C | ELG OR ELD | 3/16"φ ELCO ULTRACON PHI F/H | ELCO CONSTRUCTION PRODUCTS WITH STALGARD |
| HARDWARE | | | |
| 26 | 10698 | SASH LOCK | SULLIVAN & ASSOCIATES |
| 27 | 10514 | SPRING & PULLEY BALANCE | AMESBURY |
| 28 | 10696 | CAM SASH BUSHING | MASTER TOOL CO. |

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0608.02
Expiration Date Feb. 23, 2016
By *Manuel Perez*
Miami Dade Product Control



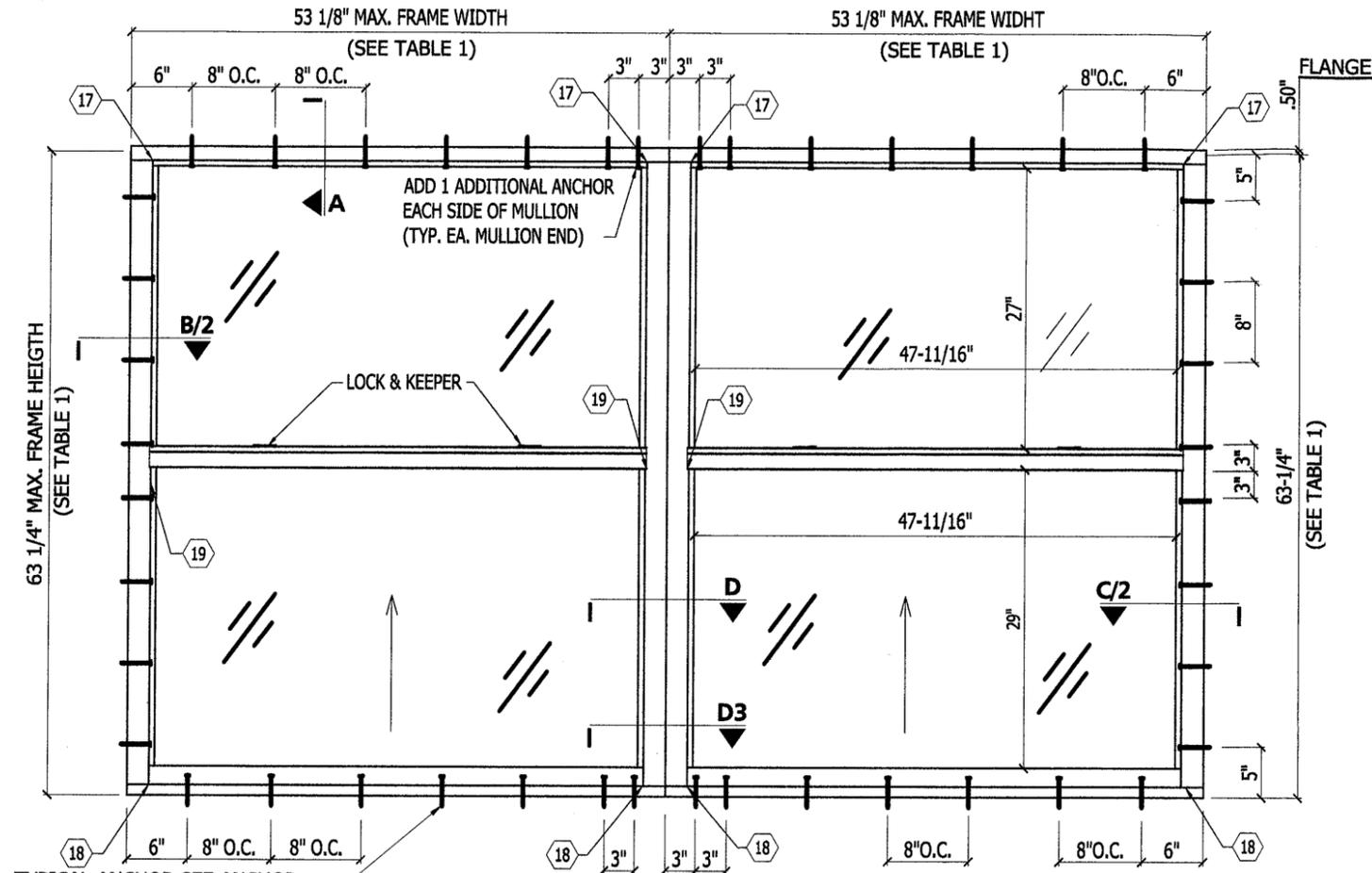
KNEZEVICH ASSOCIATES
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2590 S.W. 105th Terrace * Davie, Florida 33324
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SH250 R-ALUMINUM SINGLE HUNG WINDOW
AIR MASTER AWNING, LLC
WINDOWS AND DOORS
ROAD PR #2 INTERIOR KM 56.7
BARCELONETA, P.R. 00617
Tel. (787) 623-1600 Fax (787) 623-0087

| no. | date | description |
|-----|------------|-------------|
| 1 | 08/12/2012 | VJK |

V.J. Knezevich
Professional Engineer
Fl. License No. PW 0010983

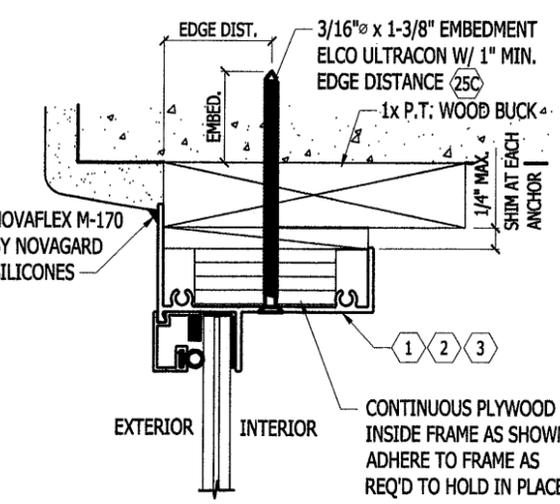
OCT 12 2012
drawn by ARV scale AS NOTED
date 08/12/2012
drawing no. **12-200**
sheet 2 of 5



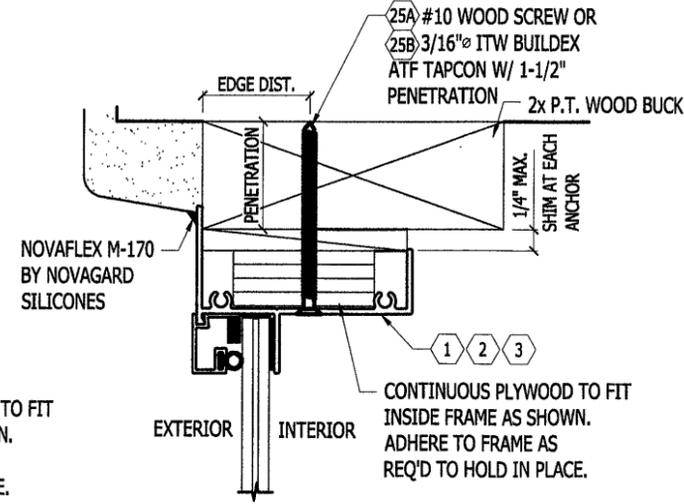
TYPICAL ANCHOR SEE ANCHOR SCHEDULE (TABLE 1) FOR QUANTITY

THE NUMBER OF WINDOWS THAT CAN BE INSTALLED TOGETHER IS UNLIMITED

**EXTERIOR ELEVATION
MULTIPLE SINGLE HUNG WINDOW**
SCALE: 3/8" = 1'-0"



F **HEADER TO CONCRETE CONNECTION**
SCALE: HALF SIZE



F1 **HEADER TO WOOD CONNECTION**
SCALE: HALF SIZE

TABLE 1 - SH250 IR WINDOW SIZE VS DESIGN LOADS & ANCHOR SCHEDULE

| WIDTH OF FULL WINDOW (in) | HEIGHT OF FULL WINDOW (in) | POSITIVE DESIGN LOAD (psf) | NEGATIVE DESIGN LOAD (psf) | 2 x WOOD BUCKS WITH #10 WOOD SCREW OR 1 x 2 WOOD BUCKS WITH 3/16" ELCO ULTRACON IN CONCRETE | | 1x WOOD BUCKS WITH 1/4" ELCO ULTRACONS IN CMU | |
|---------------------------|----------------------------|----------------------------|----------------------------|---|----------------------|---|----------------------|
| | | | | JAMB Quantity | HEADER/SILL Quantity | JAMB Quantity | HEADER/SILL Quantity |
| 19-1/8 | 26 | 60.0 | 73.7 | 5 | 2 | 5 | 2 |
| 26-1/2 | 26 | 60.0 | 73.7 | 5 | 3 | 5 | 3 |
| 37 | 26 | 60.0 | 73.7 | 5 | 4 | 5 | 4 |
| 53-1/8 | 26 | 60.0 | 73.7 | 5 | 6 | 5 | 6 |
| 19-1/8 | 38-3/8 | 60.0 | 73.7 | 6 | 2 | 6 | 2 |
| 26-1/2 | 38-3/8 | 60.0 | 73.7 | 6 | 3 | 6 | 3 |
| 37 | 38-3/8 | 60.0 | 73.7 | 6 | 4 | 6 | 4 |
| 53-1/8 | 38-3/8 | 60.0 | 73.7 | 6 | 6 | 6 | 6 |
| 19-1/8 | 50-5/8 | 60.0 | 73.7 | 8 | 2 | 8 | 2 |
| 26-1/2 | 50-5/8 | 60.0 | 73.7 | 8 | 3 | 8 | 3 |
| 37 | 50-5/8 | 60.0 | 73.7 | 8 | 4 | 8 | 4 |
| 53-1/8 | 50-5/8 | 60.0 | 69.1 | 8 | 6 | 8 | 6 |
| 19-1/8 | 56 | 60.0 | 73.7 | 8 | 2 | 8 | 2 |
| 26-1/2 | 56 | 60.0 | 73.7 | 8 | 3 | 8 | 3 |
| 37 | 56 | 60.0 | 73.7 | 8 | 4 | 8 | 4 |
| 53-1/8 | 56 | 60.0 | 64.6 | 8 | 6 | 8 | 6 |
| 19-1/8 | 63-1/4 | 60.0 | 73.7 | 8 | 2 | 8 | 2 |
| 26-1/2 | 63-1/4 | 60.0 | 73.7 | 8 | 3 | 8 | 3 |
| 37 | 63-1/4 | 60.0 | 73.7 | 8 | 4 | 8 | 4 |
| 53-1/8 | 63-1/4 | 60.0 | 60.3 | 8 | 6 | 8 | 6 |

TABLE 1 NOTES:

- FOR ATTACHMENT TO **CONCRETE** (2730 PSI), USE ELCO CONSTRUCTION PRODUCTS-3/16" DIAMETER ULTRACON WITH 1 3/8" EMBEDMENT AND 1" EDGE DISTANCE (MIN.).
- FOR ATTACHMENT TO **HOLLOW CONCRETE BLOCK** (CMU ASTM C-90), USE ELCO CONSTRUCTION PRODUCTS-1/4" DIAMETER ULTRACON WITH 1 1/4" EMBEDMENT AND 1" EDGE DISTANCE (MIN.).
- FOR ATTACHMENT TO **WOOD** (G=0.42 MIN.), USE #10 **WOOD SCREW** COATED TO PREVENT DISSIMILAR METAL CORROSION OR ITW BUILDDEX 3/16" ATF TAPCON WITH 1 1/2" PENETRATION AND 3/4" EDGE DISTANCE (MIN.).
- FOR ATTACHMENT TO **6063-T5 OR STRONGER ALUMINUM ALLOY**, WITH A MINIMUM THICKNESS OF 1/8", USE ELCO CONSTRUCTION PRODUCTS - #10-16, 300 S.S. BI-FLEX SELF DRILLING FASTENER-HWH (DRILL PT. 3) WITH STALGARD COATING. FASTENER ENGAGEMENT WITH METAL MUST BE AT LEAST 3 PITCHES ON SCREW WITH MIN. OF 1/2" EDGE DISTANCE. THE ALUMINUM ALLOY FRAME MUST BE OF A STRENGTH, SIZE AND THICKNESS TO SUPPORT THE WINDOW SIMILAR TO THAT SHOWN IN THE DETAILS FOR WINDOWS WITH THE ULTRACON INSTALLATION. FASTENER QUANTITY AND SPACING SHALL BE THE SAME AS SHOWN FOR THE ULTRACON. LOAD CAPACITY OF ALUMINUM ALLOY FRAME, WITH WINDOW, MUST BE VERIFIED AS COMPLIANT WITH THE FLORIDA BUILDING CODE 2010, BY A REGISTERED PROFESSIONAL ENGINEER.
- FOR ATTACHMENT TO **18 GAUGE (MIN.) STEEL**, USE ITW BUILDDEX 410 S.S. TEKS-SELF DRILLING FASTENER-HWH (DRILL PT. 3) WITH SILVER CLIMASHIELD COATING. FASTENER ENGAGEMENT WITH METAL MUST BE AT LEAST 3 PITCHES ON SCREW WITH MIN. OF 1/2" EDGE DISTANCE. THE STEEL FRAME MUST BE OF A STRENGTH, SIZE AND THICKNESS TO SUPPORT THE WINDOW SIMILAR TO THAT SHOWN IN THE DETAILS FOR WINDOWS WITH THE ULTRACON INSTALLATION. FASTENER QUANTITY AND SPACING SHALL BE THE SAME AS SHOWN FOR THE ULTRACON. LOAD CAPACITY OF STEEL FRAME, WITH WINDOW, MUST BE VERIFIED AS COMPLIANT WITH THE FLORIDA BUILDING CODE 2010, BY A REGISTERED PROFESSIONAL ENGINEER.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 12-0608-02
Expiration Date Feb 23, 2016
By Manuel Puga
Miami Dade Product Control

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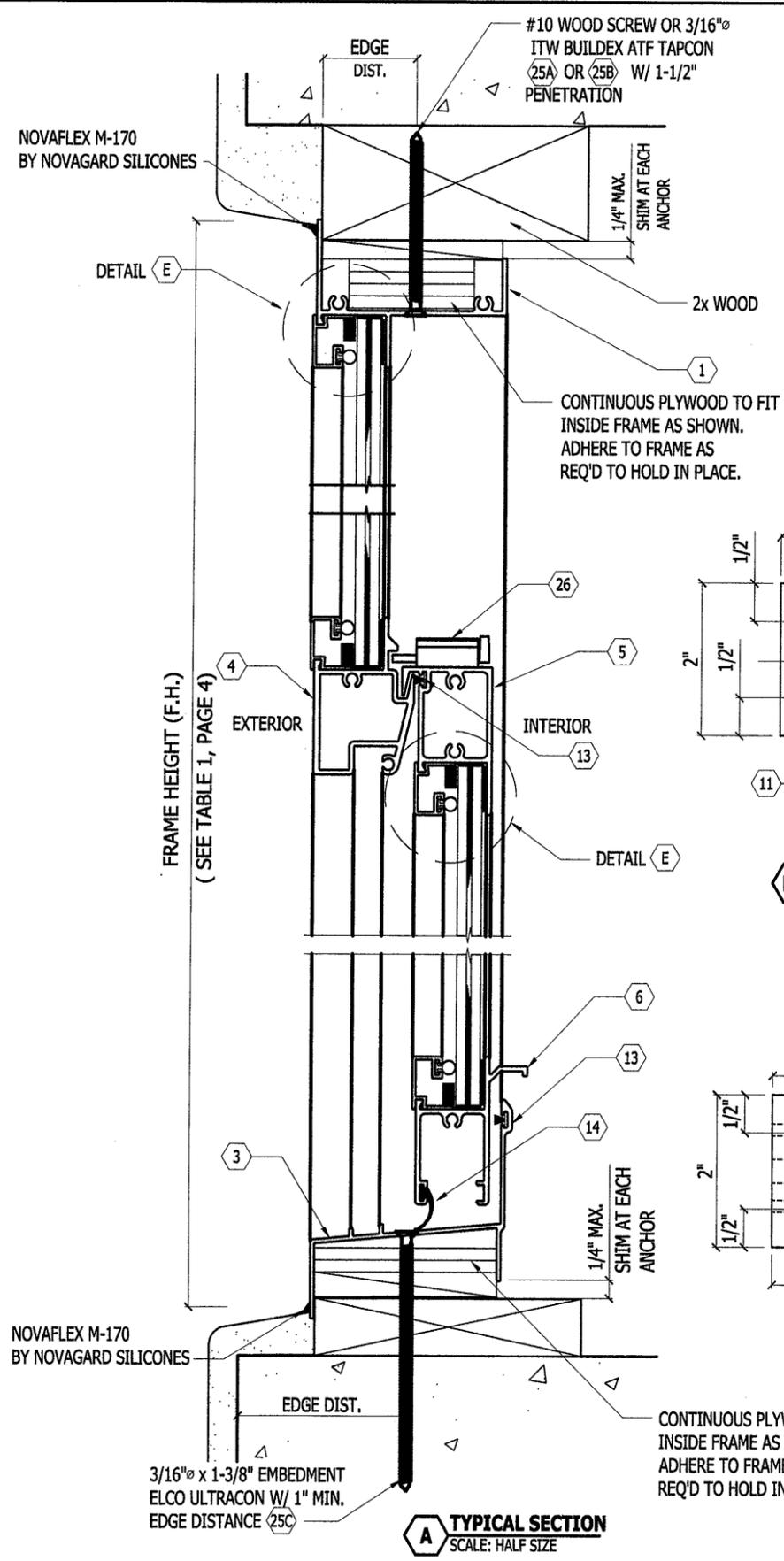
SH250 IR-ALUMINUM SINGLE HUNG WINDOW

AIR MASTER AWNING, LLC
WINDOWS AND DOORS
ROAD PR #2 INTERIOR KM 56.7
BARCELONETA, P.R. 00617
Tel: (787) 623-1800 Fax: (787) 623-0087

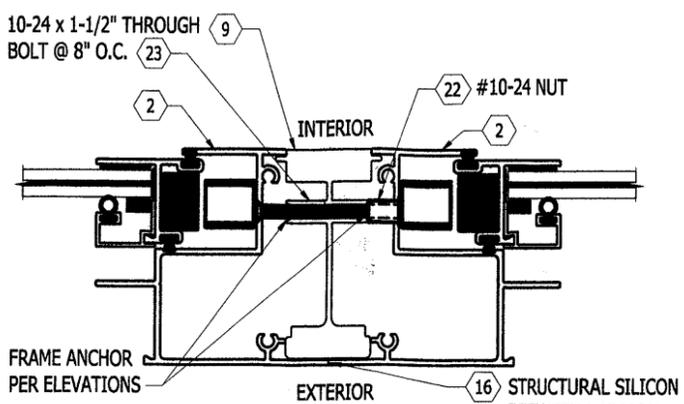
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V.J. Knezevich
Professional Engineer
FL License No. P 0010983

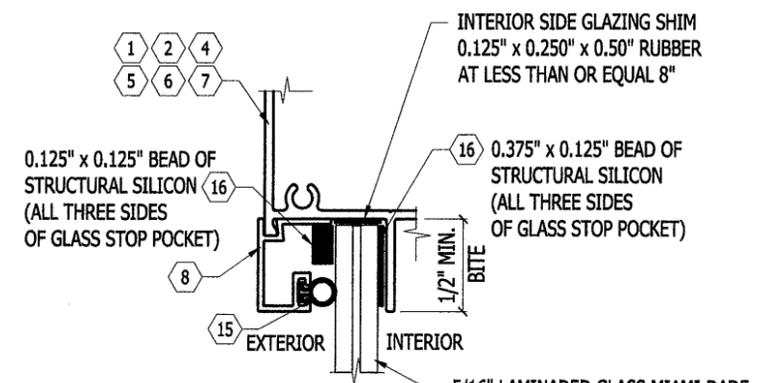
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drawn by ARV scale AS NOTED
date 08/12/2012
drawing no. **12-200**
sheet 4 of 5



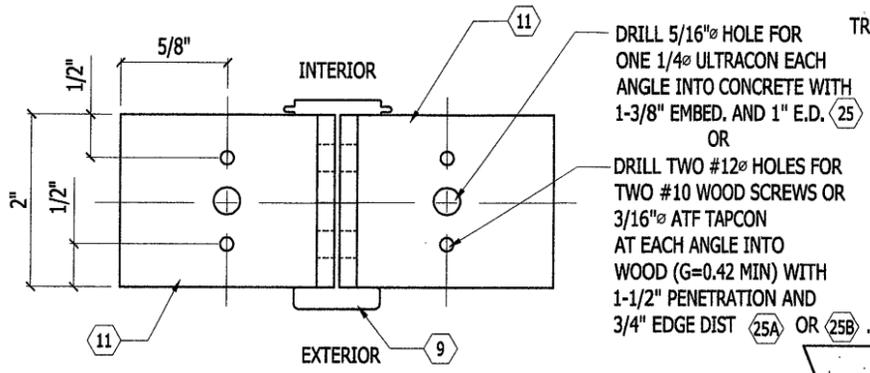
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SCALE: HALF SIZE



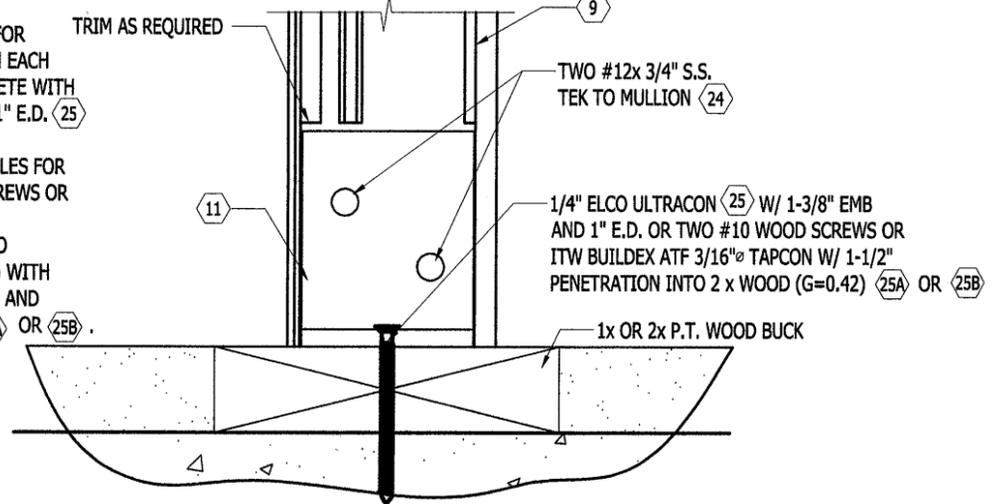
D MULLION CONNECTION TO JAMB
SCALE: HALF SIZE



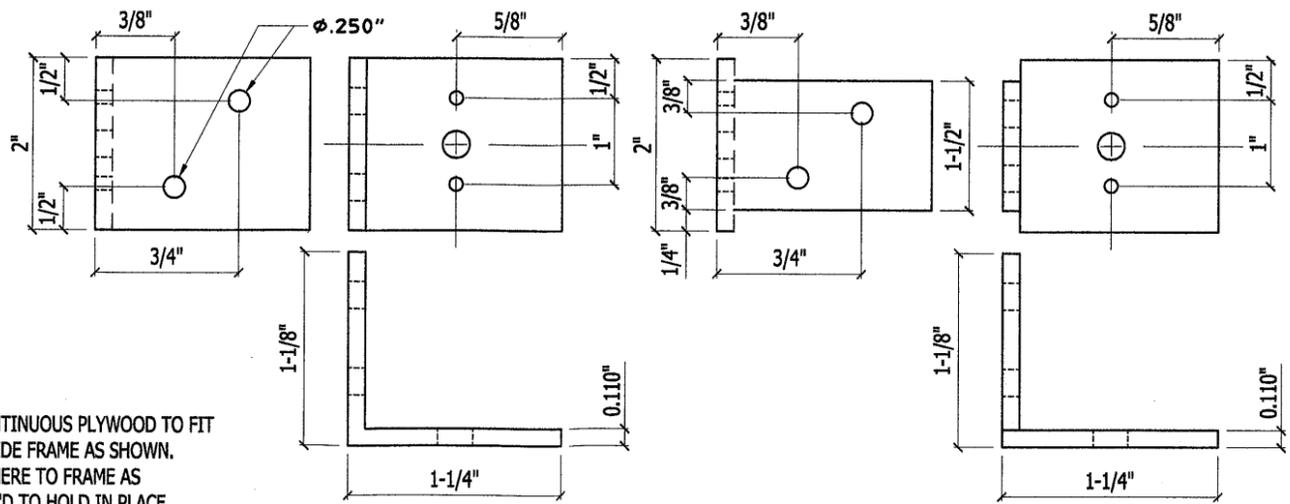
E GLAZING DETAIL
SCALE: FULL SIZE



D3 MULLION CONNECTION TO HEADER & SILL W/ CLIP ANGLES. WINDOW JAMB NOT SHOWN FOR CLARITY
SCALE: HALF SIZE



D2 MULLION CONNECTION TO HEADER & SILL W/ CLIP ANGLES WINDOW JAMB NOT SHOWN FOR CLARITY
SCALE: HALF SIZE



D1 CLIP ANGLE AND ANCHOR LOCATIONS
SCALE: HALF SIZE

D1A ALTERNATE CLIP ANGLE & ANCHOR LOCATIONS (REQUIRES LESS TRIMMING OF MULLION)
SCALE: HALF SIZE

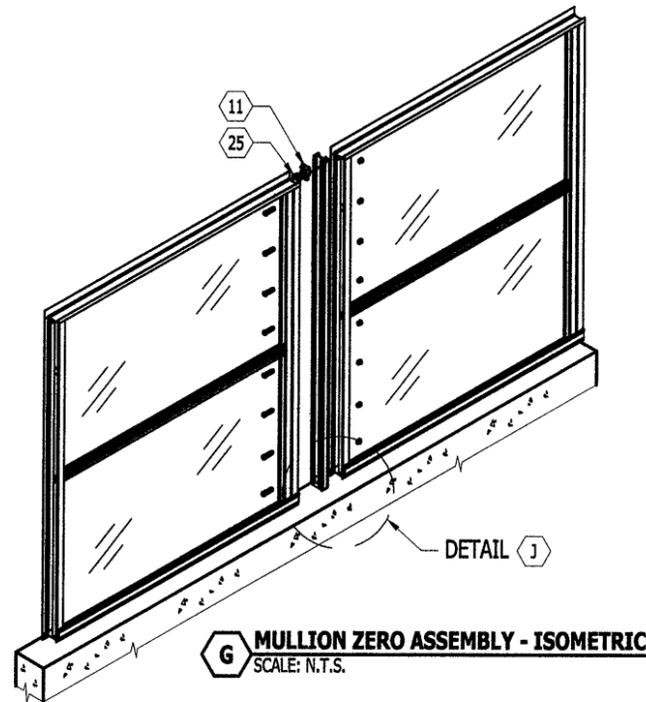
PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 12-0608-02
Expiration Date Feb. 23, 2016
By Manuel Perez
Miami Dade Product Control

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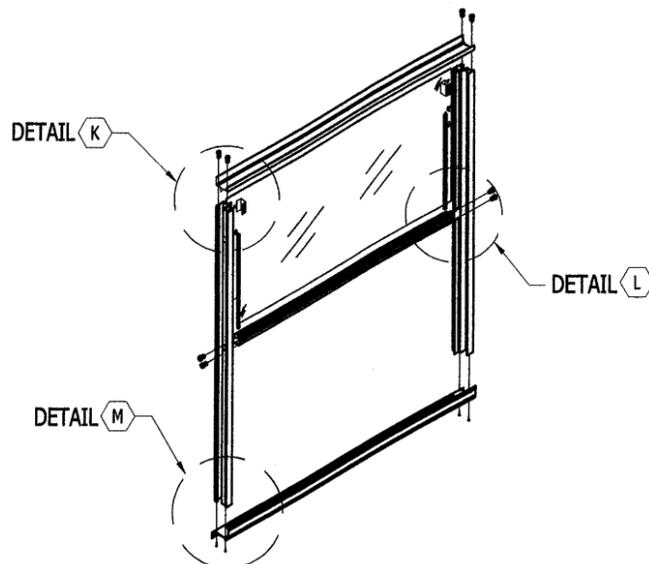
51250 ALUMINUM SINGLE HUNG WINDOW
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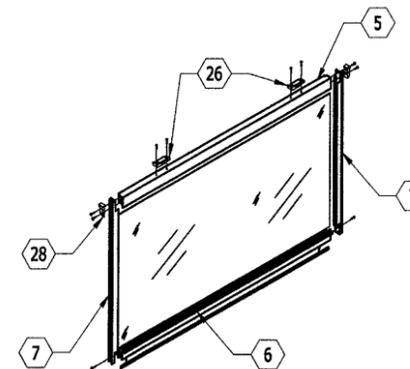
V.J. Knezevich
Professional Engineer
FL License No: PE010983
OCT 17 2012
drawn by ARV scale AS NOTED
date 08/12/2012
drawing no. **12-200**
sheet 3 of 5



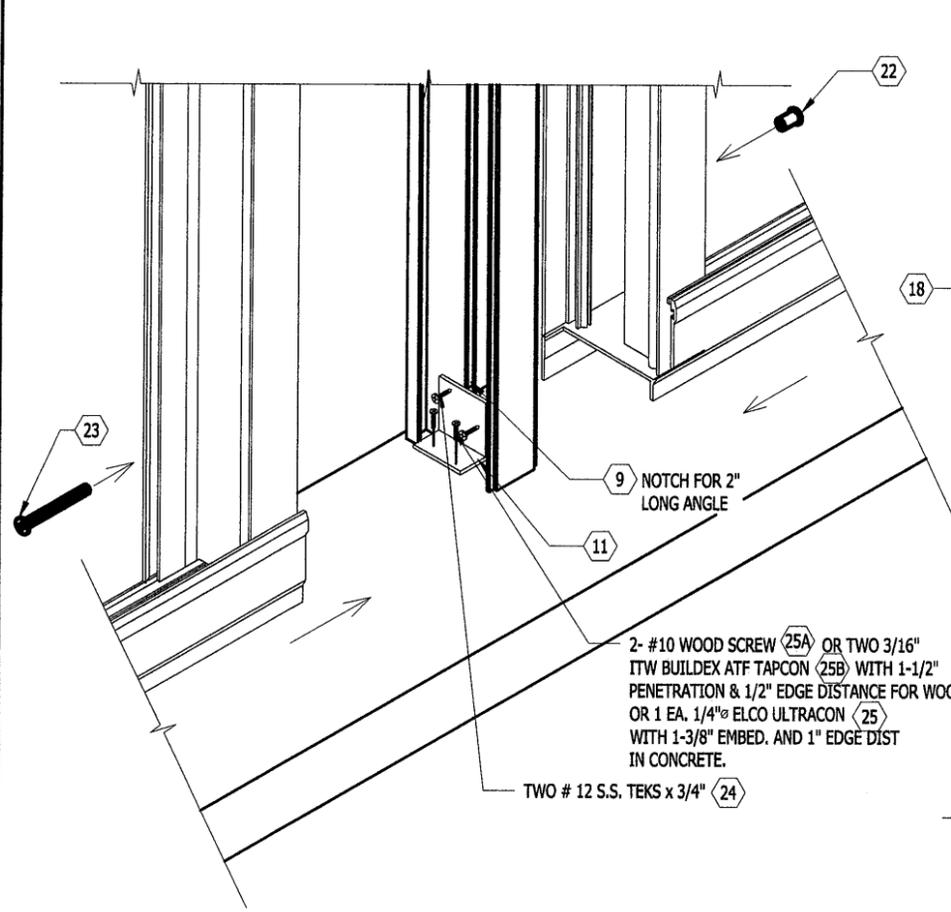
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SCALE: N.T.S.



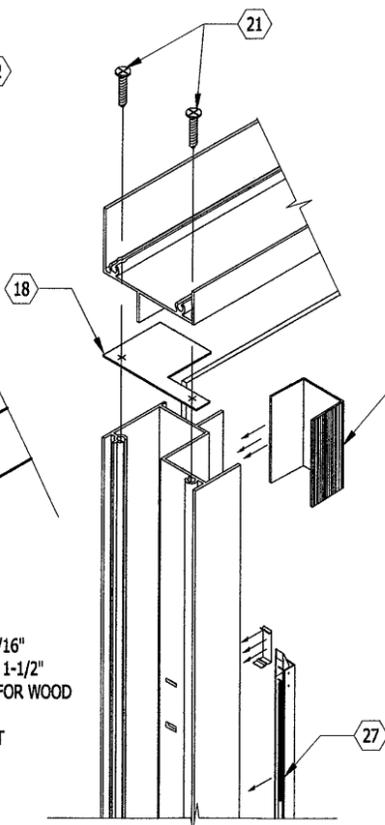
H WINDOW ASSEMBLY - ISOMETRIC
SCALE: N.T.S.



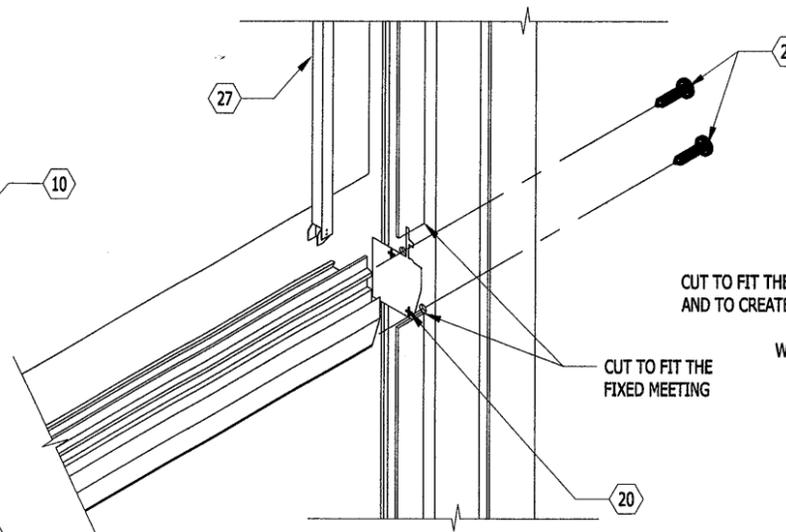
I SASH ASSEMBLY - ISOMETRIC
SCALE: N.T.S.



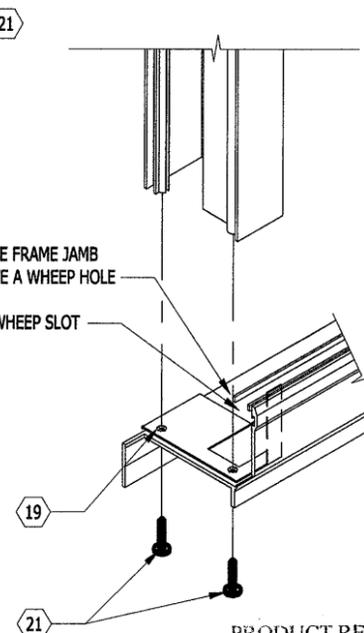
J MULLION TO JAMB - ISOMETRIC
SCALE: N.T.S.



K JAMB TO HEADER - ISOMETRIC
SCALE: N.T.S.



L RAIL TO JAMB - ISOMETRIC
SCALE: N.T.S.



M JAMB TO SILL - ISOMETRIC
SCALE: N.T.S.

2- #10 WOOD SCREW (25A) OR TWO 3/16" ITW BUILDEX ATF TAPCON (25B) WITH 1-1/2" PENETRATION & 1/2" EDGE DISTANCE FOR WOOD OR 1 EA. 1/4" ELCO ULTRACON (25) WITH 1-3/8" EMBED. AND 1" EDGE DIST IN CONCRETE.

TWO # 12 S.S. TEKS x 3/4" (24)

CUT TO FIT THE FRAME JAMB AND TO CREATE A WHEEL HOLE

CUT TO FIT THE FIXED MEETING

WHEEL SLOT

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 12-0608-02
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By *Manuel Perez*
Miami Dade Product Control



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| 1 | 08/12/2012 | VJK | MANUFACTURE COUNTY COMMENTS |

V.J. Knezevich
Professional Engineer
FL License No. 0010983

08/12/2012

drawn by ARV scale AS NOTED
date 08/12/2012

drawing no. **12-200**
sheet 5 of 5