



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

**Air Master Awning, LLC**  
**Road PR#2 Interior KM 56.7**  
**Barceloneta, Puerto Rico 00617**

**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 “Continental” Aluminum Outswing doors w/wo Sidelites-L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **AIR002**, titled “Series Continental Outswing Aluminum Glass Door”, sheets 1 through 9 of 9, dated 07/20/18 ad last revised on 10/28/2024, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**Limitations:**

1. See Design Pressure VS unit sizes, max DLO and glazing type in sheet **7**.
2. Water Rating is qualified **only** with Door glazing laminate type **1** (sheet **7**) & Sidelite lam. glazing type **1** (sheet **9**).
3. See lock option with multi-point in Sheet **1** & lock option w/ cylindrical lock+ dead bolt+ surface bolts in sheet **2**.
4. Four (4) anchors at double door astragal end and mullion end at head & sill required. Max OC spacing at sidelite jambs= 17.07” and at door jambs=13.56” is required. See Elevation, sheets **1**, **2** & **8** for anchor installation and anchor specifications in sheet **7**.

**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.

**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 & renews** NOA # **21-0803.05** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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



**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted in previous files**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **12-203**, titled "Series- Continental Door with Sidelite", sheets 1 through 8 of 8, prepared by Knezevich Associates, dated FEB 28, 2013, signed and sealed by V.J. Knezevich, P.E.

**B. TESTS (submitted under file #13-0306.02)**

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) 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 202-94

along with marked-up drawings and installation diagram of aluminum outswing door w/ sidelites, prepared by Blackwater Testing, Inc., Test Report No. **BT-AM-12-005**, dated 12/07/12, signed and sealed by Yamil Kuri, P. E.

Note: This test report has been revised by addendum letter dated May 24, 2013 and July 03, 2013, issued by Blackwater testing, signed & sealed by Yamil Kuri, P. E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Knezevich Associates, dated 03/04/13, 05/13/2013 and last revised on 07/01/2013, signed and sealed by V.J. Knezevich, P.E.
2. Glazing complies w/ ASTM E-1300-02 & -04

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **12-1231.08** issued to Eastman Chemical Company (MA), Inc. (Former Solutia Inc.) for their "**Seflex CP**: Saflex and sflex HP composite interlayer w/ PET core", expiring on 12/11/18.

**F. STATEMENTS**

1. Statement letter of conformance and letter of no financial interest, prepared by Knezevich Associates, dated 02/01/13, signed and sealed by V.J. Knezevich, P.E.
2. Lab compliance as part of the above referenced test report.

**G. OTHER**

1. None.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1113.02**  
**Expiration Date: July 25, 2028**  
**Approval Date: November 07, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No. **AIR002** (former **12-203**), titled “Series Continental Outswing Aluminum Glass Door”, sheets 1 through 8 of 8, dated 07/20/18, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, 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 (Not conducted)
  - 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 202-94

along with marked-up drawings and installation diagram of aluminum outswing door, prepared by Blackwater Testing, Inc., Test Report No. **BT-AM-15-002 A**, dated 01/06/16, signed and sealed by Yamil Kuri, P.E.

along with marked-up drawings and installation diagram of aluminum outswing door w/ sidelites, (O-XX) prepared by Blackwater Testing, Inc., Test Report No. **BT-AM-14-001 A** (TAS 202-94 (STR), dated 09/19/14, signed and sealed by Yamil Kuri, P

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2017 (6<sup>th</sup> Edition), prepared by Building Drops, Inc., dated 01/16/16 and last revised on 07/20/2018, signed and sealed by Hermes F. Norero, P.E.
2. Glazing complies w/ ASTM E-1300-02, -04 & -09

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **18-0301.06** issued to Eastman Chemical Company (MA), Inc. (Former Solutia Inc.) for their “**Seflex CP**: Saflex and sflex HP composite interlayer w/ PET core”, expiring on 12/11/23.

**F. STATEMENTS**

1. Statement letter of conformance and letter of no financial interest, prepared by Building Drops, Inc, dated 07/11/18, signed and sealed by Hermes F. Norero, P.E.
2. Statement letter dated 07/11/18 of “adopting another Engineer work, as own” per Florida State rule, chapter G 61, signed and sealed by Hermes F. Norero, P.E.
3. Lab compliance as part of the above referenced test report.

**G. OTHER**

1. This NOA **revises & renews** NOA # **13-0306.02**, 07/25/2023.
2. Test Proposal # 13-1097 dated 11/07/13, issued by PERA.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1113.02**  
**Expiration Date: July 25, 2028**  
**Approval Date: November 07, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No. **AIR002** (former **12-203**), titled “Series Continental Outswing Aluminum Glass Door”, sheets 1 through 8 of 8, dated 07/20/18, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, 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 (Not conducted)
  - 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 202-94

along with marked-up drawings and installation diagram of aluminum outswing door, prepared by Blackwater Testing, Inc., Test Report No. **BT-AM-15-002 A**, dated 01/06/16, signed and sealed by Yamil Kuri, P.E.

along with marked-up drawings and installation diagram of aluminum outswing door w/ sidelites, (O-XX) prepared by Blackwater Testing, Inc., Test Report No. **BT-AM-14-001 A** (TAS 202-94 (STR), dated 09/19/14, signed and sealed by Yamil Kuri, P

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2017 (6<sup>th</sup> Edition), prepared by Building Drops, Inc., dated 01/16/16 and last revised on 07/20/2018, signed and sealed by Hermes F. Norero, P.E.
2. Glazing complies w/ ASTM E-1300-02, -04 & -09

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **18-0301.06** issued to Eastman Chemical Company (MA), Inc. (Former Solutia Inc.) for their “**Saflex CP: Saflex and sflex HP composite interlayer w/ PET core**”, expiring on 12/11/23.

**F. STATEMENTS**

1. Statement letter of conformance and letter of no financial interest, prepared by Building Drops, Inc, dated 07/11/18, signed and sealed by Hermes F. Norero, P.E.
2. Statement letter dated 07/11/18 of “adopting another Engineer work, as own” per Florida State rule, chapter G 61, signed and sealed by Hermes F. Norero, P.E.
3. Lab compliance as part of the above referenced test report.

**G. OTHER**

1. This NOA revises NOA # **13-0306.02**, 07/25/2023.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1113.02**  
**Expiration Date: July 25, 2028**  
**Approval Date: November 07, 2024**



Air Master Awning, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**4. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No. **AIR002** Rev A, titled “Series Continental Outswing Aluminum Glass Door”, sheets 1 through 8 of 8, dated 07/20/18 and last revised on 04/14/2021, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **18-0301.06** issued to Eastman Chemical Company (MA), Inc. (Former Solutia Inc.) for their “**Saflex CP**: Saflex and Saflex HP composite interlayer w/ PET core”, expiring on 12/11/23.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2020 (7<sup>th</sup> Edition) and letter of no financial interest, prepared by Building Drops, Inc, dated 01/18/21, signed and sealed by Hermes F. Norero, P.E.

**G. OTHER**

1. This NOA **revises** NOA # **15-0309.02**, expiring 07/25/2023.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1113.02**  
**Expiration Date: July 25, 2028**  
**Approval Date: November 07, 2024**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**5. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No. **AIR002 Rev B**, titled “Series Continental Outswing Aluminum Glass Door”, sheets 1 through 9 of 9, dated 07/20/18 and last revised on 10/15/2021, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, 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 (Not conducted)
  - 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 202-94

along with marked-up drawings and installation diagram of aluminum outswing door (XX) w/ new lock option, prepared by Intertek Testing, Inc., Test Report No. **L6771.01-450-RO**, dated 06/16/21, signed and sealed by Vinu Abraham, P.E.

**C. CALCULATIONS (submitted under previous approval # 21-0205.06)**

1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **18-0301.06** issued to Eastman Chemical Company (MA), Inc. (Former Solutia Inc.) for their “**Saflex CP**: Saflex and Saflex HP composite interlayer w/ PET core”, expiring on 12/11/23.

**F. STATEMENTS (submitted under previous approval # 21-0205.06)**

1. Statement letter of conformance to FBC 2020 (7<sup>th</sup> Edition) and letter of no financial interest, prepared by Building Drops, Inc, dated 01/18/21, signed and sealed by Hermes F. Norero, P.E.

**G. OTHER**

1. This NOA **revises** NOA # **21-0205.06**, expiring 07/25/2023.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1113.02**  
**Expiration Date: July 25, 2028**  
**Approval Date: November 07, 2024**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**6. New Evidence submitted**

**A. DRAWINGS**

1. Drawing No. **AIR002**, titled “Series Continental Outswing Aluminum Glass Door”, sheets 1 through 9 of 9, dated 07/20/18 and last revised on 10/28/2024, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS (submitted under previous approval # 21-0205.06)**

1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **24-0312.10** issued to Eastman Chemical Company (MA), Inc. (Former Solutia Inc.) for their “**Saflex CP: Saflex and Saflex HP composite interlayer w/ PET core**”, expiring on 12/11/28.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2023 (8<sup>th</sup> Edition) and letter of no change in product, prepared by Building Drops, Inc, dated 08/27/24, signed and sealed by Hermes F. Norero, P.E
2. Manufacturer statement renewal request with “no change” dated 09/16/24, signed by Felipe Morales, R & D.

**G. OTHER**

1. This NOA **revises & renews** NOA # **21-0803.05**, expiring 07/25/2028.

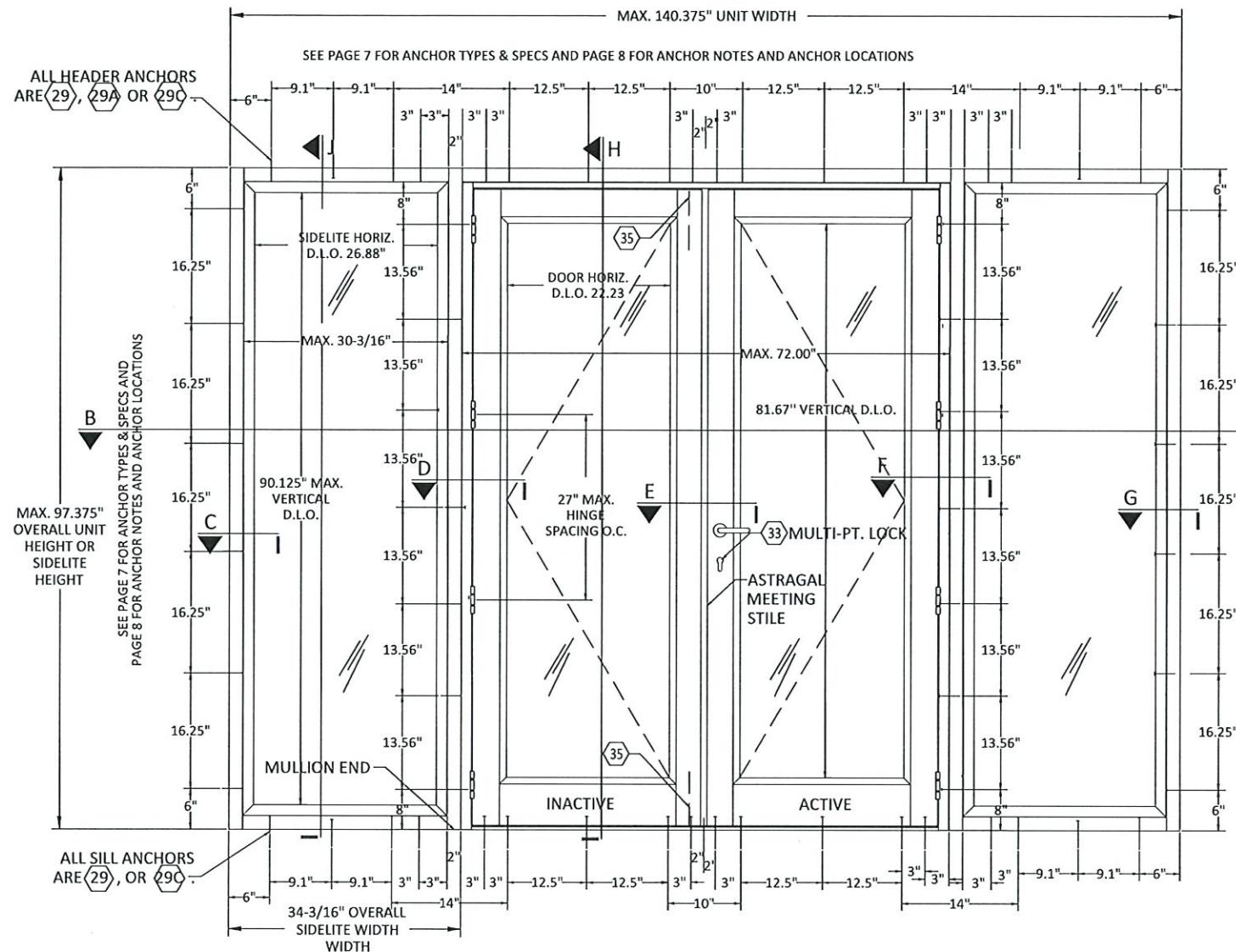
*Ishaq I. Chanda*

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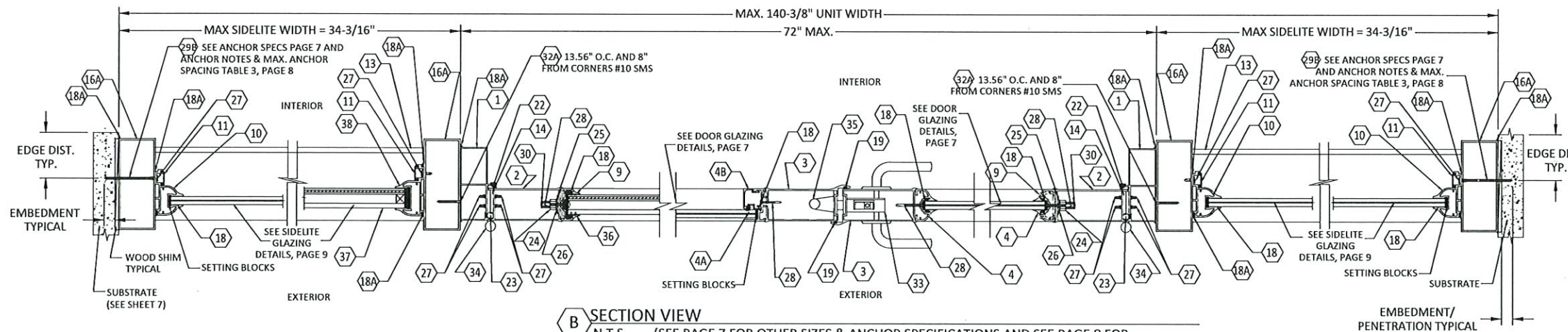
**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1113.02**  
**Expiration Date: July 25, 2028**  
**Approval Date: November 07, 2024**



# SERIES CONTINENTAL OUTSWING ALUMINUM GLASS DOOR



**A** EXTERIOR ELEVATION - SERIES CONTINENTAL DOOR WITH SIDELITE - MULTI POINT LOCKING SYSTEM  
N.T.S. ANCHOR SPACING SHOWN IN (A) IS FOR WOOD, CONCRETE OR CMU FILLED CMU (SEE PAGE 7 FOR OTHER SIZES & ANCHORS SPECIFICATIONS AND SEE PAGE 8 FOR OTHER LAYOUT OPTIONS & MAX. ANCHOR SPACING IN ALL SUBSTRATES TABLE 3)



**B** SECTION VIEW  
N.T.S. (SEE PAGE 7 FOR OTHER SIZES & ANCHOR SPECIFICATIONS AND SEE PAGE 8 FOR OTHER LAYOUT OPTIONS & MAX ANCHOR SPACING TABLE 3)

## GENERAL NOTES:

- THIS CONTINENTAL SYSTEM HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023 FBC), INCLUDING THE HVHZ, UNDER THE SPECIFIC CONDITIONS SHOWN ON THIS DRAWING. THIS CONTINENTAL DOOR SYSTEM HAS COMPLIED WITH FBC 2411.3.2.1 (ASTM E283, ASTM E331, ASTM F588) AND TAS 201, TAS 202 & TAS 203. THE CONTINENTAL DOOR AND SIDELITE ARE LARGE MISSILE IMPACT RESISTANT.
- 2x WOOD BUCKS SHALL BE INSTALLED AND PROPERLY ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF FBC.
- 1x WOOD BUCKS SHALL BE INSTALLED AND PROPERLY ANCHORED SUCH THAT THEY ARE STATIC DURING INSTALLATION & ACT AS SHEAR BLOCKS DURING LOADING TRANSFER FOR FASTENERS THROUGH THE DOOR FRAME TO THE CONCRETE. 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 7-22, WIND LOADS MAY BE PERMITTED TO BE MULTIPLIED BY 0.6 FOR CONVERSION FROM LRFD TO ASD LOADS.
- 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, THE BUILDING OFFICIAL MAY ELECT ONE OF THE FOLLOWING OPTIONS:
  - REQUIRE THAT SITE SPECIFIC DOCUMENTS BE PREPARED, SIGNED, DATED AND SEALED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT, WHICH DETAIL AND JUSTIFY THE DEVIATION. SAID DOCUMENTS SHALL BE SUBMITTED TO THE PRODUCT ENGINEER FOR REVIEW AS A CONDITION TO THE BUILDING OFFICIAL GRANTING HIS/HER APPROVAL.
  - REQUIRE THAT A ONE-TIME SITE SPECIFIC APPROVAL BE APPLIED FOR AND SECURED FROM THE MIAMI-DADE COUNTY PRODUCT CONTROL SECTION. WHEN THE SITE CONDITION DEVIATIONS OCCUR WITHIN THE HIGH VELOCITY HURRICANE ZONE AREAS ONLY OPTION "B" SHALL BE ACCEPTED BY THE BUILDING OFFICIAL.
- 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.
- SEE SHEET 7 FOR DOOR GLAZING DETAILS AND PAGE 9 FOR SIDELITE GLAZING DETAILS. EITHER MONOLITHIC LAMINATED GLASS OR INSULATING LAMINATED GLASS MAY BE USED AT THE DESIGN PRESSURES GIVE ON PAGE 7.
- SEE DOOR WITH & WITHOUT SIDELITE SIZE VS DESIGN LOADS & ANCHOR SCHEDULE
  - POSITIVE LOAD IS 75 PSF FOR ALL SIZES AND IS BASED ON WATER TEST PRESSURE (DOOR AND SIDELITE GLAZING DETAIL 1) AND BOTH +&- Ve LOAD CONFORMS TO LAMINATED GLASS CHART FIGS.A1.30 & 31 IN ASTM E1300.
  - NEGATIVE LOAD IS 75 PSF (SEE TABLES 1 & 2 ON PAGE 7 OF 9).
- THIS PRODUCT HAS BEEN SUCCESSFULLY TESTED BY BLACKWATER TESTING FOR FLORIDA BUILDING CODE COMPLIANCE.
  - BLACKWATER TESTING INC. REPORT NO. BT-AM-12-005 WITH BLACKWATER, TESTING INC. ADDENDUM LETTER OF MAY 24, 2013 REVISING THE PERMANENT SET VALUES AND ADDENDUM LETTER OF JULY 3, 2013 REVISING SIDELITE JAMB TESTED SPACING
  - BLACKWATER TESTING INC. REPORT NO. BT-AM-14-001(A) DATED 9/19/14. (NOT TESTED FOR WATER RESISTANCE)
  - BLACKWATER TESTING INC. REPORT NO. BT-AM-15-002A DATED 12/23/15. (NOT TESTED FOR WATER RESISTANCE)
  - INTERTEK NOT BLACK WATER REPORT NO. L6771.01-450-18 R0 06/16/21. (TESTED FOR WATER RESISTANCE)
- MATERIALS, INCLUDING, BUT NOT LIMITED TO FASTENERS OR SCREWS THAT COME IN CONTACT WITH DISSIMILAR METALS SHALL MEET THE REQUIREMENTS OF FBC.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE P.T. & COMPATIBLE WITH ALUMINUM.
- ALSO FASTENERS & SCREWS MUST BE COMPATIBLE WITH CHEMICALS USED FOR PRESSURE TREATMENT OF WOOD.
- COMPONENTS (1) THROUGH (6A), (36) AND (38) ARE 6063-T5 EXTRUDED ALUMINUM ALLOY, U.O.N.
- ADDITIONAL PROTECTION FROM WINDBORNE DEBRIS (SHUTTERS) IS NOT REQUIRED ON OPENINGS WHERE THESE PRODUCTS ARE USED.
- WATER RESISTANT RATING: ONLY DOOR GLAZING DETAIL 1 (SHEET 7) & SIDELITE GLAZING DETAIL 1 (SHEET 9) ARE RATED FOR WATER RESISTANCE WHERE REQUIRED. ALL OTHER GLAZING DETAILS ARE NOT RATED FOR WATER RESISTANCE, UNLESS THE DOOR ASSEMBLIES ARE PROTECTED WITH OVERHANG COMPLYING WITH FBC 2411.3.2(2) REQUIREMENTS.

**AIR MASTER  
GROUP**

P.O. BOX 2097  
BARCELONETA, P.R. 00617  
WWW.AIRMASTERWINDOWS.COM

ROAD PR #2 INTERIOR KM 56.7  
BARCELONETA, PR 00617

ROAD 189 KM 9.2 BO. MONTONES  
GURABO, PR 00778  
PH: (787) 623-1800

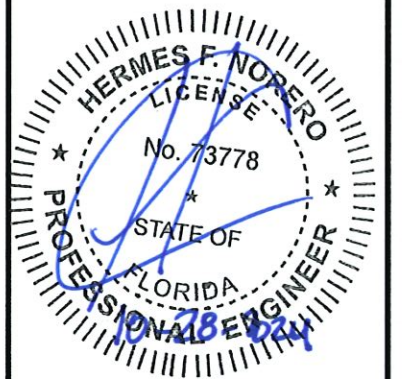
TITLE: AMG CERTIFIED SERIES  
CONTINENTAL  
OUTSWING ALUMINUM GLASS DOOR  
ELEVATIONS, PLAN  
VIEWS & GENERAL NOTES

PREPARED BY:  
**BUILDING DROPS, INC.**  
1900 NE MIAMI CT. SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 395-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com



REMARKS	BY	DATE
7TH EDITION FBC UPDATE	MS	10.29.20
NEW LOCK OPTION	SM	10.04.21
UPDATED TITLEBLOCK AND ADDED ADDRESS	DI	10.05.22
8TH EDITION FBC UPDATE	MG	10.13.23

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 23-1113.02

Expiration Date 07/25/2028

By Ishag I. Chande  
Miami-Dade Product Control

HERMES F. NORERO, P.E.  
FLORIDA P.E. No 73778  
BUILDING DROPS, INC  
1900 NE MIAMI CT. SUITE 2-15  
MIAMI, FL 33132  
FBPE CERT. OF AUTHORIZATION No. 29578

DATE: 05.07.18

DWG. BY: SM CHK. BY: HFN

SCALE: NTS

DWG. #: AIR002

SHEET

1

OF 9



# AIR MASTER GROUP

P.O. BOX 2097  
 BARCELONETA, P.R. 00617  
 WWW.AIRMASTERWINDOWS.COM  
 ROAD PR #2 INTERIOR KM 56.7  
 BARCELONETA, PR 00617  
 ROAD 189 KM 9.2 BO. MONTONES  
 GURABO, PR 00778  
 PH: (787) 623-1800

TITLE: AMG CERTIFIED SERIES  
 CONTINENTAL  
 OUTSWING ALUMINUM GLASS DOOR  
 ELEVATIONS

PREPARED BY:  
**BUILDING DROPS, INC.**  
 1900 NE MIAMI CT. SUITE 2-15  
 MIAMI, FL 33132  
 PH: (954) 959-8478  
 FAX: (954) 744-4738  
 WEB: www.buildingdrops.com



REMARKS	BY	DATE
7TH EDITION FBC UPDATE	MS	10.29.20
NEW LOCK OPTION	SM	10.04.21
UPDATED TITLEBLOCK AND ADDED ADDRESS	DI	10.05.22
8TH EDITION FBC UPDATE	MG	10.13.23

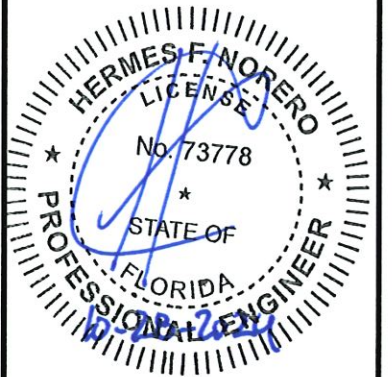
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## PRODUCT RENEWED as complying with the Florida Building Code

NOA-No. 23-1113.02

Expiration Date 07/25/2028

By Ishaq I. Chank  
 Miami-Dade Product Control



HERMES F. NORERO, P.E.  
 FLORIDA P.E. No. 73778  
 BUILDING DROPS, INC.  
 1900 NE MIAMI CT. SUITE 2-15  
 MIAMI, FL 33132  
 FBPE CERT. OF AUTHORIZATION No. 29578

DATE: 05.07.18

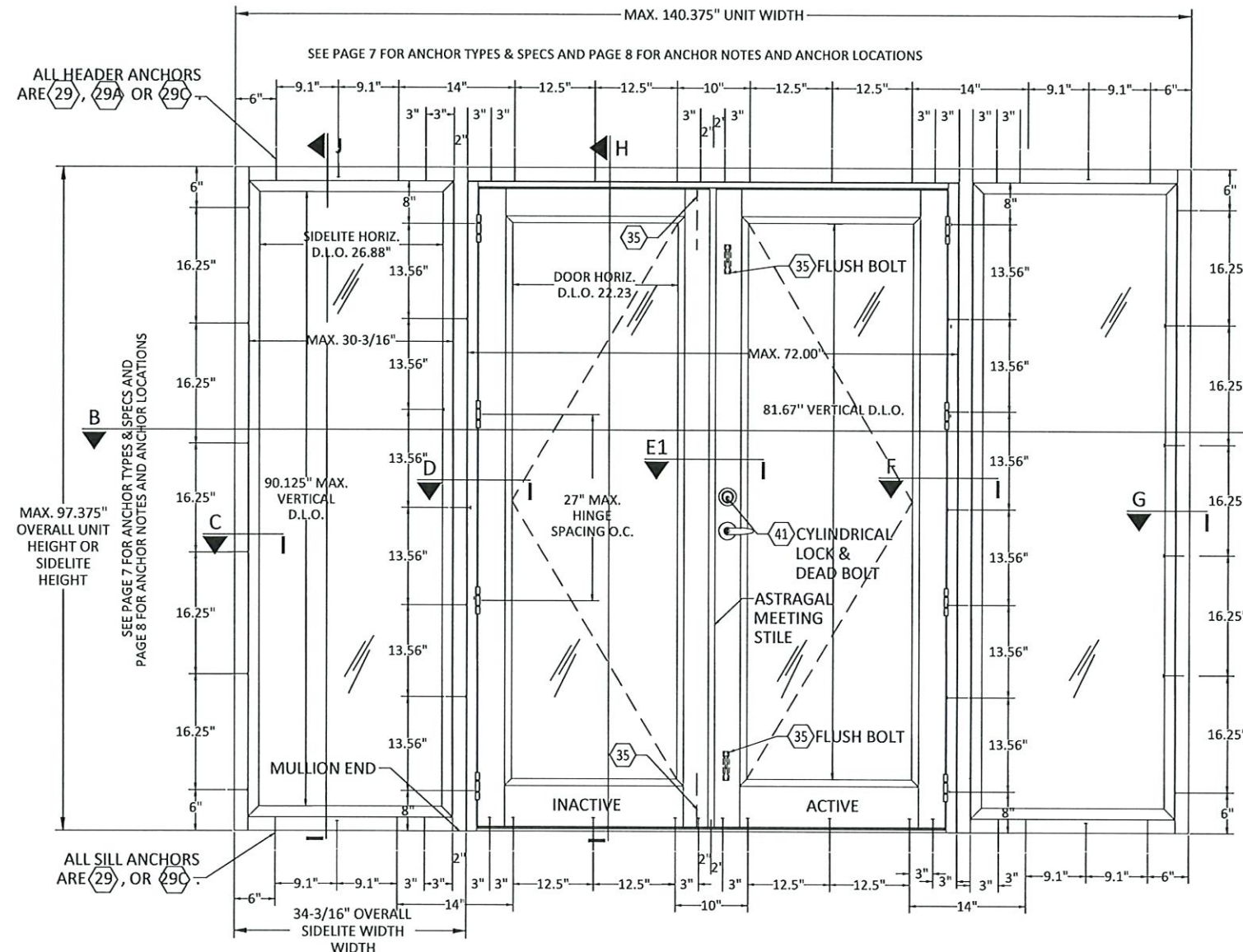
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 CHK. BY: HFN

SCALE: NTS

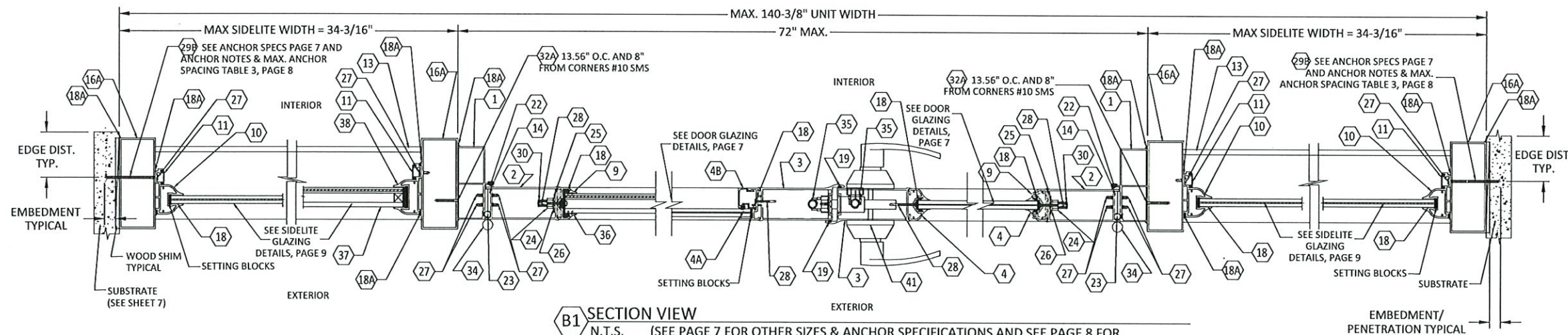
DWG. #: AIR002

SHEET

2

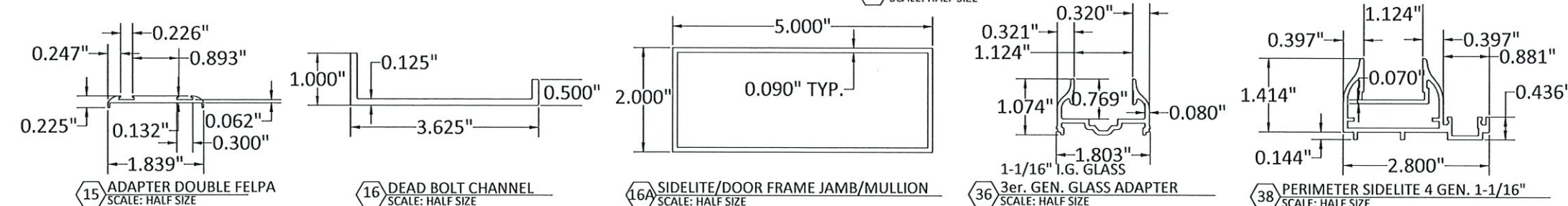
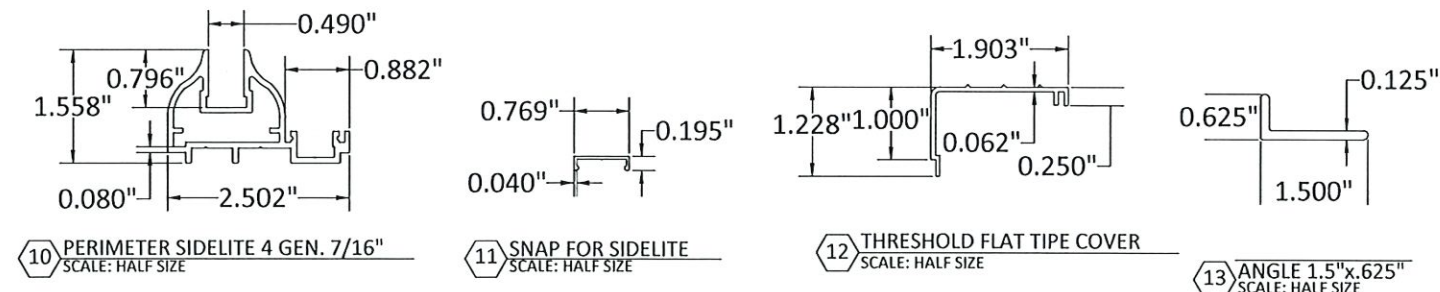
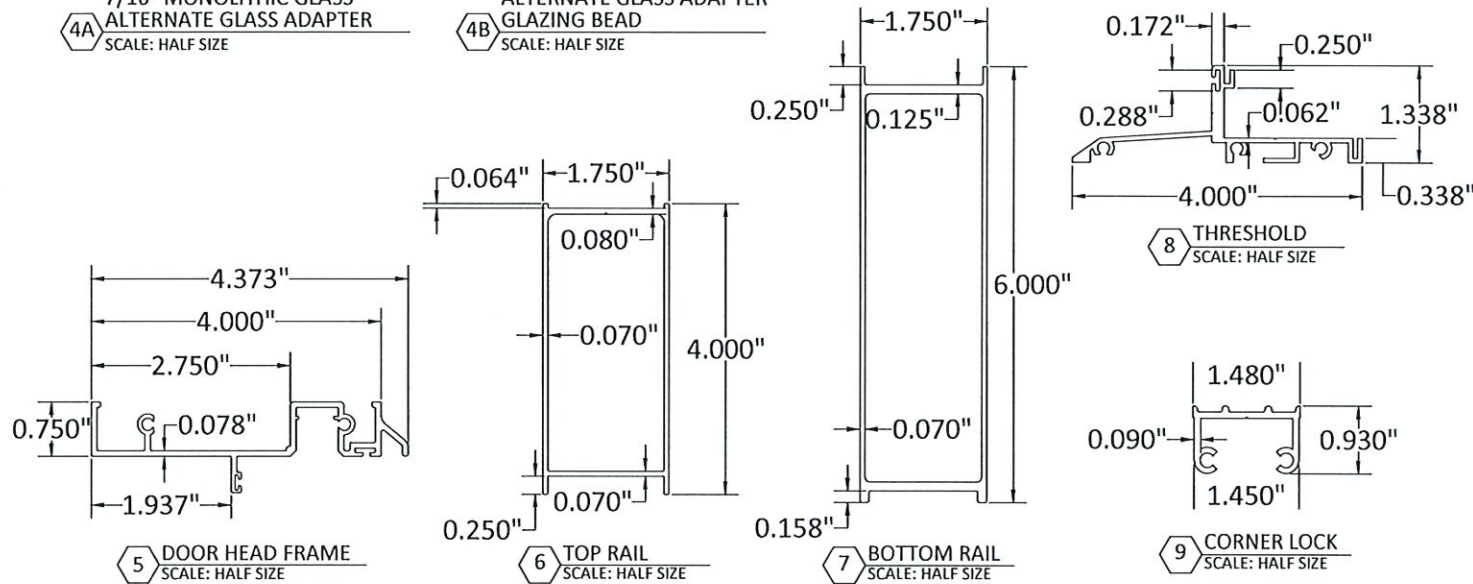
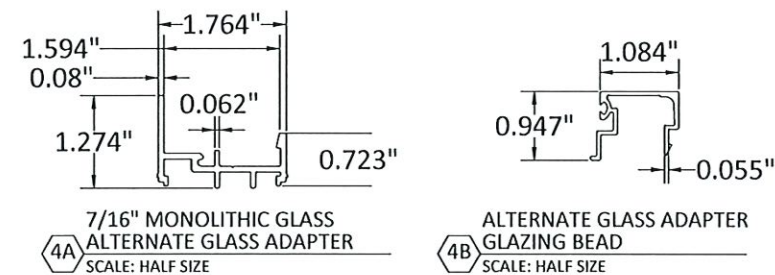
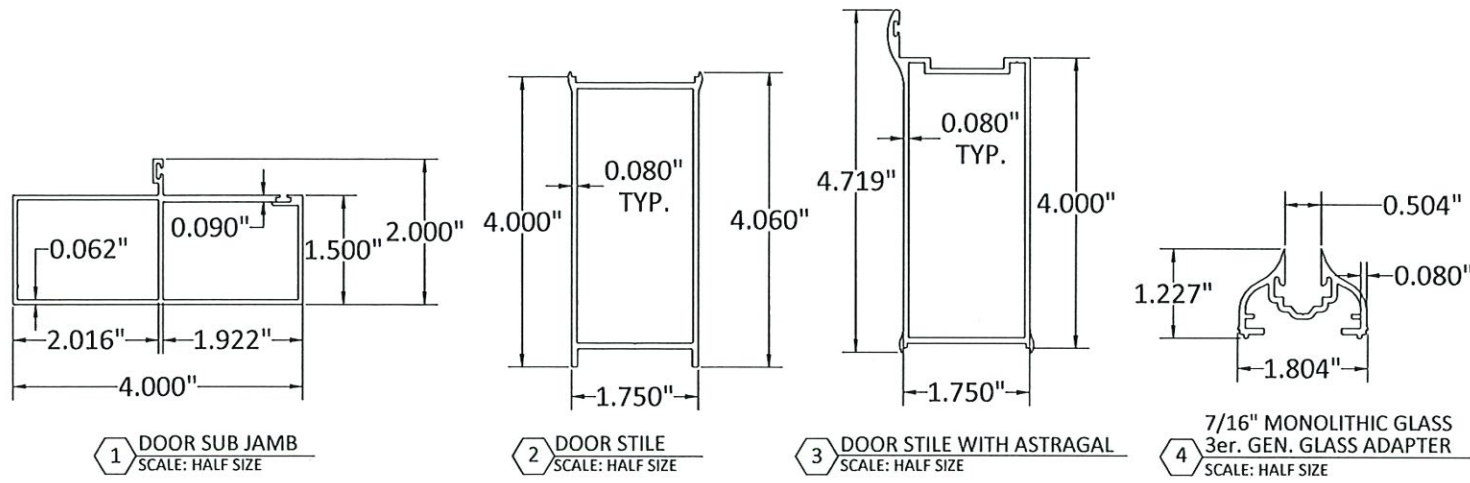


**A1** EXTERIOR ELEVATION - SERIES CONTINENTAL DOOR WITH SIDELITE - CYLINDRICAL LOCK & DEAD BOLT  
 N.T.S. ANCHOR SPACING SHOWN IN (A) IS FOR WOOD, CONCRETE OR CMU FILLED CMU (SEE PAGE 7 FOR OTHER SIZES & ANCHORS SPECIFICATIONS AND SEE PAGE 8 FOR OTHER LAYOUT OPTIONS & MAX. ANCHOR SPACING IN ALL SUBSTRATES TABLE 3)



**B1** SECTION VIEW  
 N.T.S. (SEE PAGE 7 FOR OTHER SIZES & ANCHOR SPECIFICATIONS AND SEE PAGE 8 FOR OTHER LAYOUT OPTIONS & MAX ANCHOR SPACING TABLE 3)





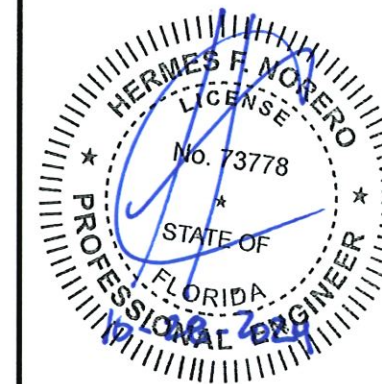
BILL OF MATERIALS			
ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/SUPPLIER/NOTES
<b>PARTS &amp; EXTRUSIONS</b>			
1	77495	DOOR FRAME JAMBS	FUNDICIONES INDUSTRIALES S.A /6063-T5
2	77534	DOOR STILE	FUNDICIONES INDUSTRIALES S.A /6063-T5
3	77525	DOOR STILE WITH ASTRAGAL	FUNDICIONES INDUSTRIALES S.A /6063-T5
4	13038	7/16" GLASS ADAPTER	FUNDICIONES INDUSTRIALES S.A /6063-T5
4A	76840	7/16" LINEAL GLASS ADAPTER	FUNDICIONES INDUSTRIALES S.A /6063-T5
4B	76841	LINEAL GLASS ADAPTER GLAZING BEAD	FUNDICIONES INDUSTRIALES S.A /6063-T5
36	13039	1-1/16" GLASS ADAPTER	FUNDICIONES INDUSTRIALES S.A /6063-T5
5	77510	DOOR HEAD FRAME	FUNDICIONES INDUSTRIALES S.A /6063-T5
6	77554	TOP RAIL	FUNDICIONES INDUSTRIALES S.A /6063-T5
7	76702	6" MIN BOTTOM RAIL	FUNDICIONES INDUSTRIALES S.A /6063-T5
8	80511	THRESHOLD CONTINENTAL DOOR	FUNDICIONES INDUSTRIALES S.A /6063-T5
9	11081	CORNER LOCK	FUNDICIONES INDUSTRIALES S.A /6063-T5
10	76835	7/16" PERIMETER P/W	FUNDICIONES INDUSTRIALES S.A /6063-T5
38	76849	1-1/16" PERIMETER P/W	FUNDICIONES INDUSTRIALES S.A /6063-T5
11	76830	SNAP FOR PICTURE WINDOW	FUNDICIONES INDUSTRIALES S.A /6063-T5
12	80525	RECT SNAP COVER FOR THRESHOLD	FUNDICIONES INDUSTRIALES S.A /6063-T5
13	96534	ANGLE 1.5"x.625"x.125"	FUNDICIONES INDUSTRIALES S.A /6063-T5
15	13020	ADAPTER DOUBLE FELPA	FUNDICIONES INDUSTRIALES S.A /6063-T5
16	57628	DEAD BOLT CHANNEL L=3.625"	GLOBAL HOLDEX LTD /6063-T5
16A	57525	2"x5" x 0.090" FRAME MULLION	FUNDICIONES INDUSTRIALES S.A /6063-T5
<b>GLASS</b>			
17		IMPACT GLASS 7/16"	TECHNOGLASS
		3/16" ANN - 0.090" SAFLEX CP - SAFLEX OR SAFLEX HP COMPOSITE GLASS INTERLAYERS WITH PET CORE BY EASTMAN CHEMICAL CO. - 3/16" ANN	
		IMPACT GLASS 1-1/16"	TECHNOGLASS
37		1-1/16" O.A.: 3/16" TEMP. EXT - AIR SPACE - 3/16" ANN - 0.090" SAFLEX CP - SAFLEX OR SAFLEX HP COMPOSITE GLASS INTERLAYERS WITH PET CORE BY EASTMAN CHEMICAL CO. - 3/16" ANN	
37A		1-1/16" O.A.: 1/4" TEMP. EXT - AIR SPACE - 3/16" ANN - 0.090" SAFLEX CP - SAFLEX HP COMPOSITE GLASS INTERLAYERS WITH PET CORE BY EASTMAN CHEMICAL CO. - 3/16" ANN	
<b>SEALS &amp; SEALANTS</b>			
18	53580	DOW 995 BLACK STRUCTURAL SILICONE	DOW CORNING
18A	76648	SILICONE CLEAR	PACIFIC GLOBAL PACKAGING
19	96823	WEATHER STRIP	ULTRAFAB
20	96824	WEATHER STRIP	ULTRAFAB
21	96825	WEATHER STRIP	ULTRAFAB
22	96980	PERIMETER FRAME VINYL	MSW LLC
23	32010	B/RUBBER/FOAM-W/WEATHER STRIP	MSW LLC
41	96936	GOMA FP-448 BLACK	3M
42	96690	3M VHB TAPE	3M
<b>FASTENERS</b>			
24	95612	3/8"-16-SS HEX NUT	LA CASA DE LOS TORNILLOS
25	95492	FLAT WASHER 3/8"	LA CASA DE LOS TORNILLOS
26	95493	PRESSURE WASHER 3/8" SS	LA CASA DE LOS TORNILLOS
27	95691	#10-24 x 5/8" PH F/H SS SELF/D	LA CASA DE LOS TORNILLOS
28	95692	#10-24 x 1" FH /PH /SS SELF/D	LA CASA DE LOS TORNILLOS
28B		1/4" DEWALT ULTRACON (CMU) PHI P/H F/H	DEWALT ANCHORS & FASTENERS
29		#14 WOOD SCREW PHI F/H SS	W/ DISSIMILAR METALS CORROSION COATING
29A		1/4" DEWALT ULTRACON IN GROUT FILLED CMU PHI P/H F/H	DEWALT ANCHORS & FASTENERS
29B		1/4" DEWALT ULTRACON IN CMU PHI P/H F/H	DEWALT ANCHORS & FASTENERS
29C		1/4" DEWALT ULTRACON, PHI, F/H, P/H	DEWALT ANCHORS & FASTENERS
30	76657	3/8"x 72" SS-304 ROD	LA CASA DE LOS TORNILLOS
31	95597	#10 SCREW x 1-1/2" PHI PH S/S T-A	LA CASA DE LOS TORNILLOS
32	95660	#12 SCREW x 3/4" PHI PH S/S T-A	LA CASA DE LOS TORNILLOS
32A		#10 GR. 5 SHEET METAL SCREW (SMS)	ITW BUILDEX
<b>HARDWARE</b>			
33	34200	MULTIPOINT LOCK 2230 (TH102)	FRANCISCO R. FARRES, INC. / ATZ
34	76565	4" S/S HINGES	L.D.G. HARDWARE MANUFACTURER
35	76523	FLUSHBOLT 1/8 BACKSET SATIN NIQL	SONFAST CARIBE, INC.
39	76663	THREADED ROD 5/16" X 72" S/S	CENTURY FASTENERS
40	76665	TERMINAL S/S 12x46mm	SALS HARDWARE
41	96456	CYLINDRICAL LOCK & DEADBOLT (COMBO LOCK)	GARRIDO BROS & CORP

**AIR MASTER GROUP**  
P.O. BOX 2097  
BARCELONETA, P.R. 00617  
WWW.AIRMASTERWINDOWS.COM  
ROAD PR #2 INTERIOR KM 56.7  
BARCELONETA, PR 00617  
ROAD 189 KM 9.2 BO. MONTONES  
GURABO, PR 00778  
PH: (787) 623-1800

TITLE: AMG CERTIFIED SERIES CONTINENTAL OUTSWING ALUMINUM GLASS DOOR COMPONENTS AND B.O.M.  
PREPARED BY: BUILDING DROPS, INC.  
1900 NE MIAMI CT. SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 939-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

REMARKS	BY	DATE
7TH EDITION FBC UPDATE	MS	10.29.20
NEW LOCK OPTION	SM	10.04.21
UPDATED TITLEBLOCK AND ADDED ADDRESS	DI	10.05.22
8TH EDITION FBC UPDATE	MG	10.13.23

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FBPE CERT. OF AUTHORIZATION No. 29578

DATE:	05.07.18	
DWG. BY:	SM	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	AIR002	
SHEET	3	

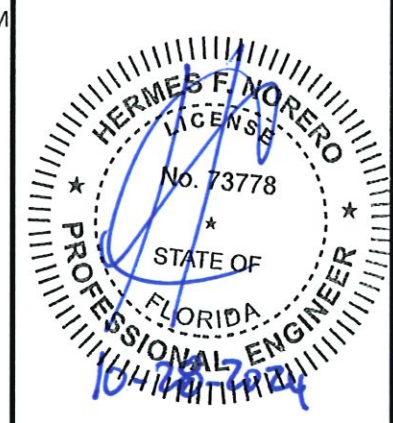
**PRODUCT RENEWED**  
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NOA-No. 23-1113.02  
Expiration Date 07/25/2028  
By *Ishag I. Chank*  
Miami-Dade Product Control



TITLE: AMG CERTIFIED SERIES CONTINENTAL OUTSWING ALUMINUM GLASS DOOR HORIZONTAL SECTIONS  
 PREPARED BY: BUILDING DROPS, INC.  
 1900 NE MIAMI CT. SUITE 2-15  
 MIAMI, FL 33132  
 PH: (954)399-8478  
 FAX: (954)744-4738  
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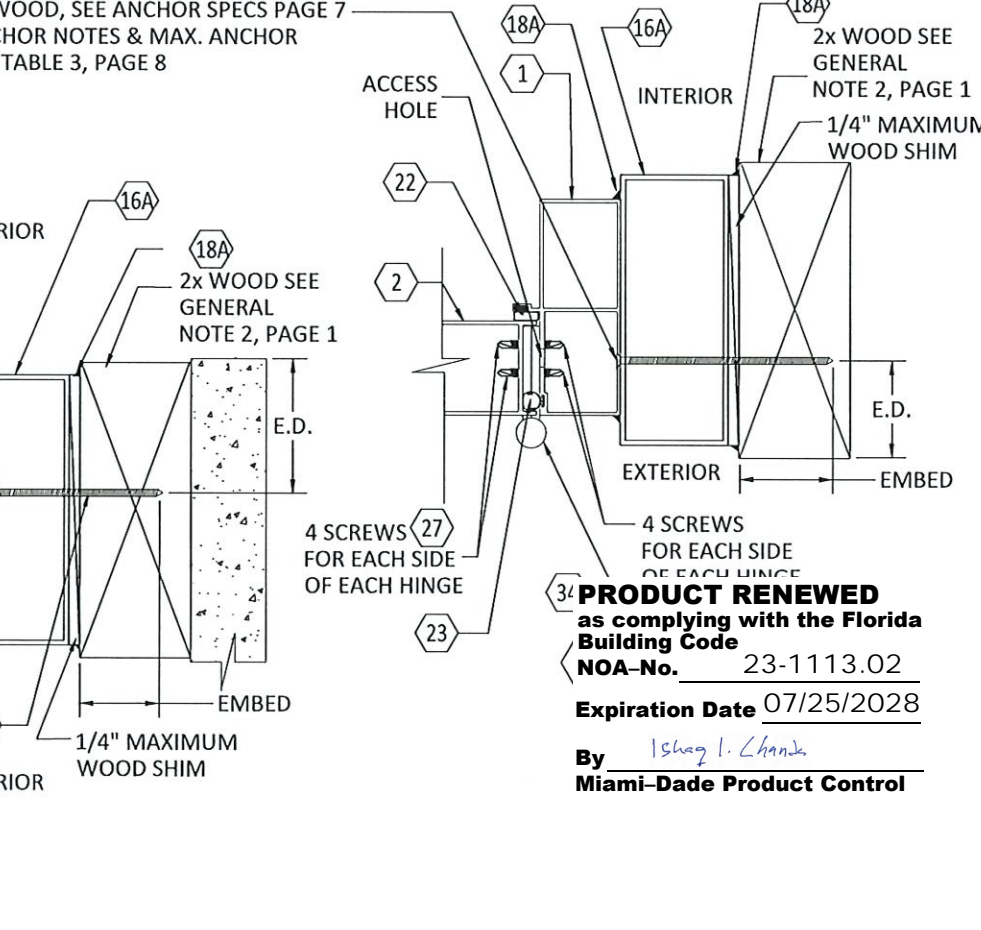
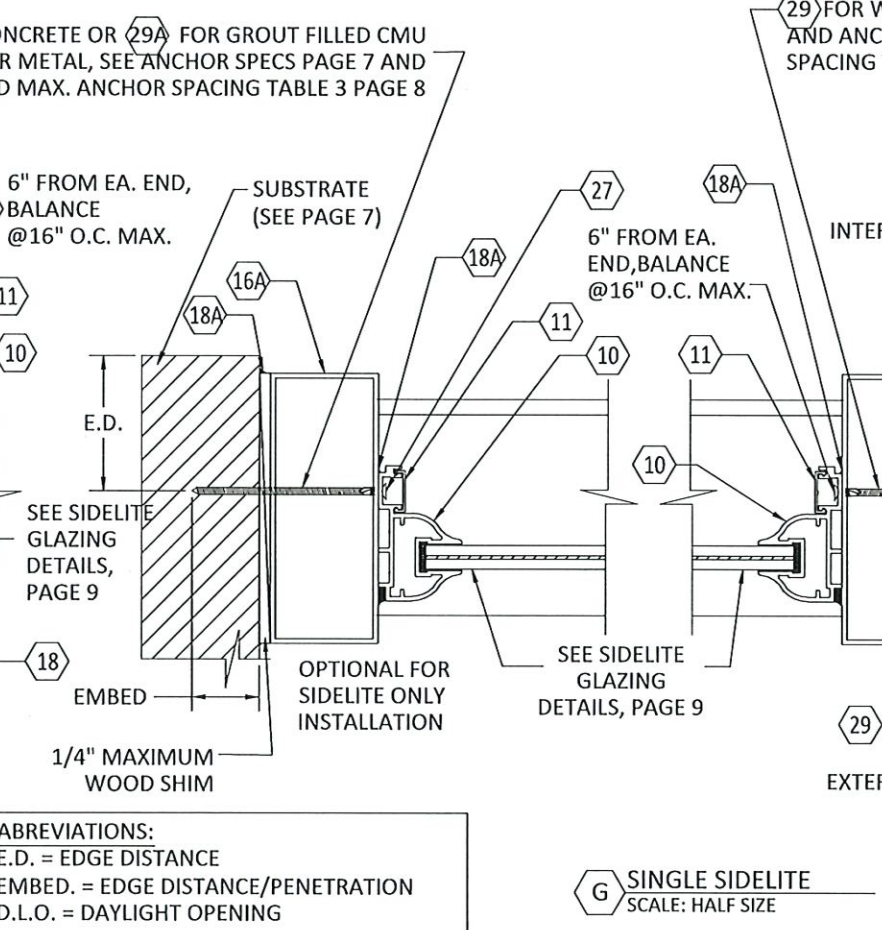
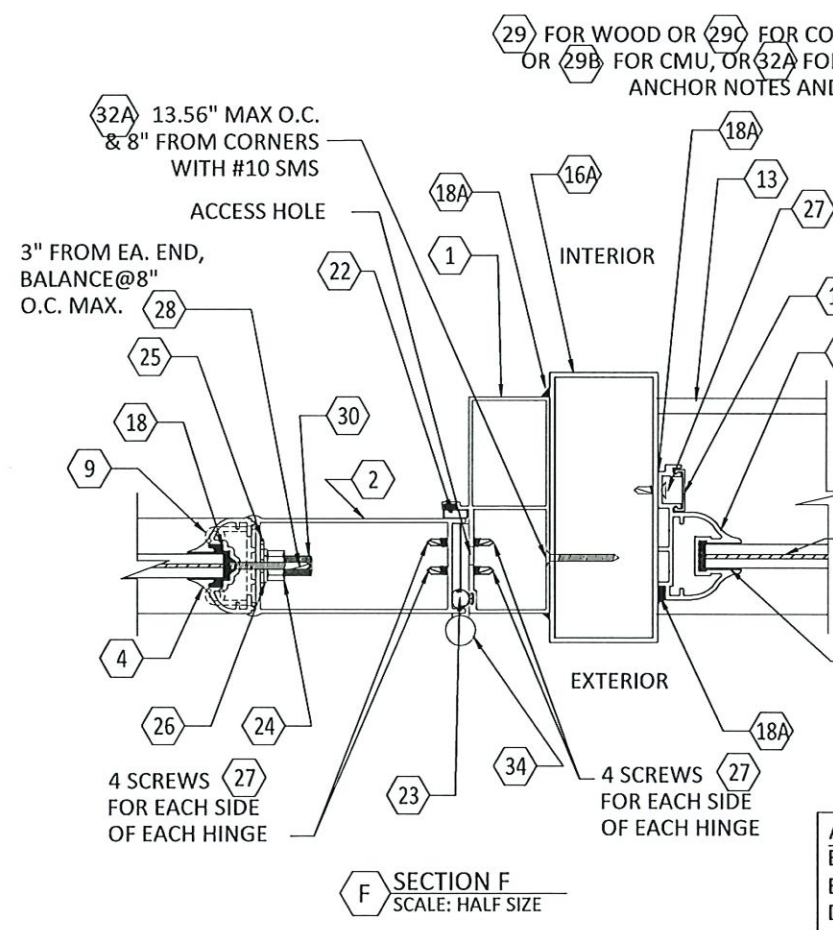
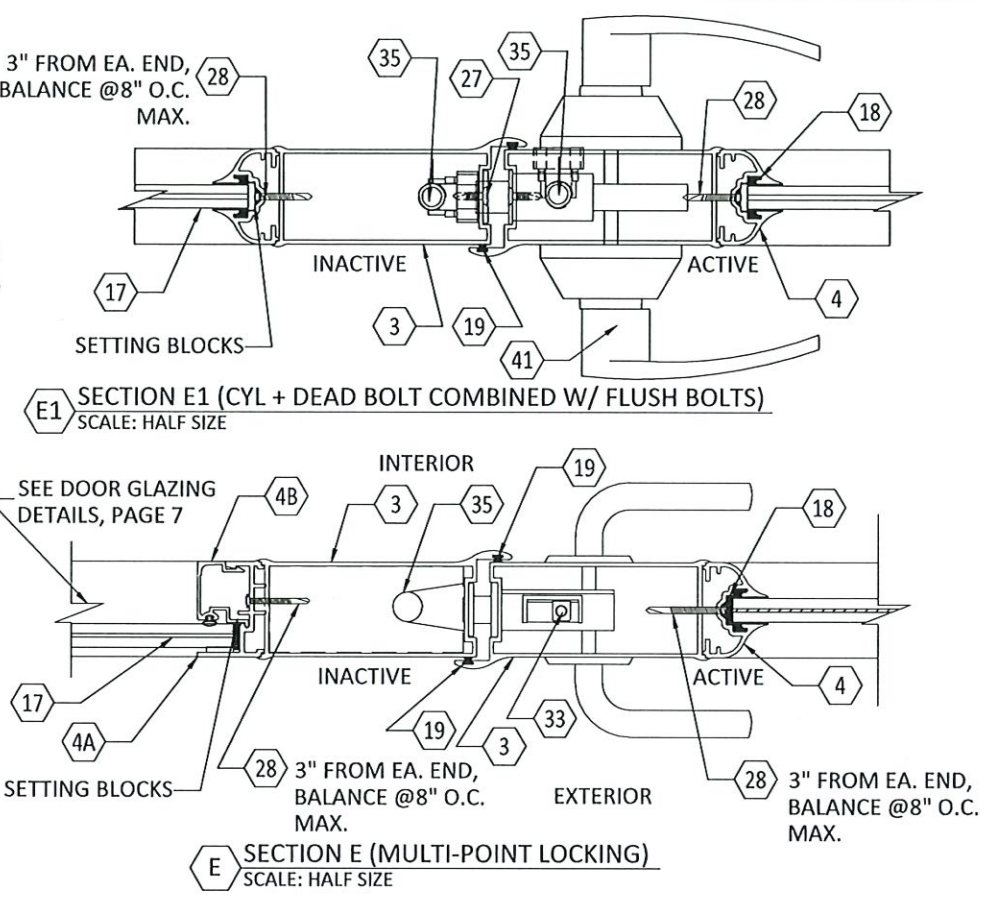
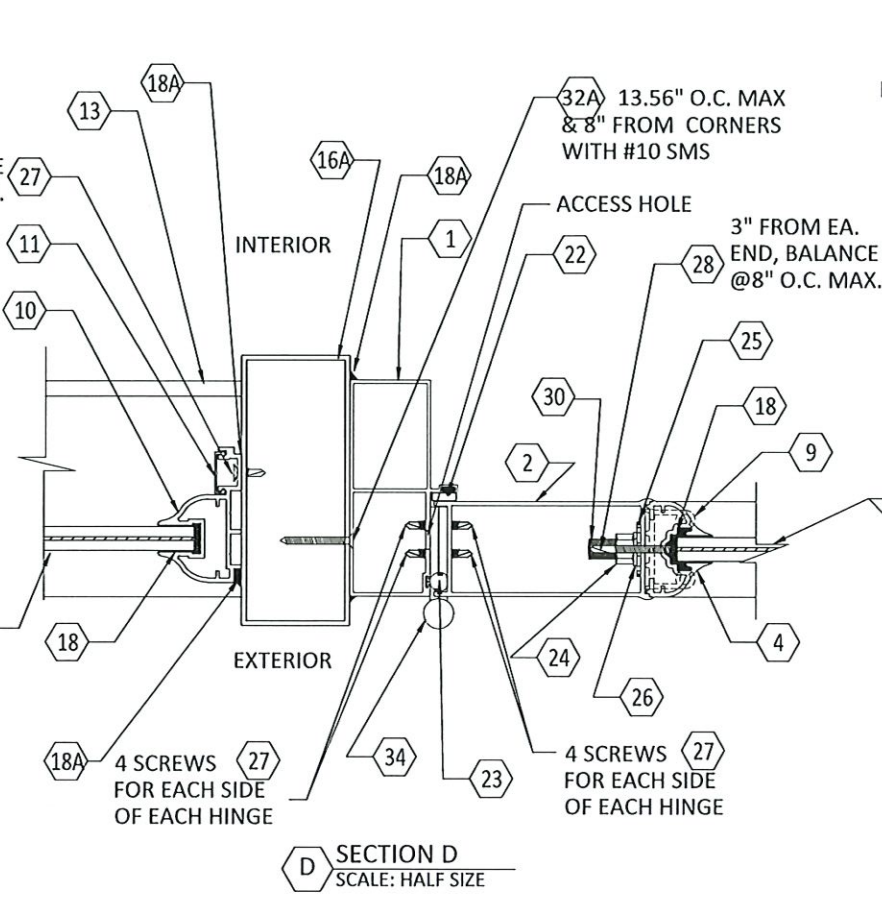
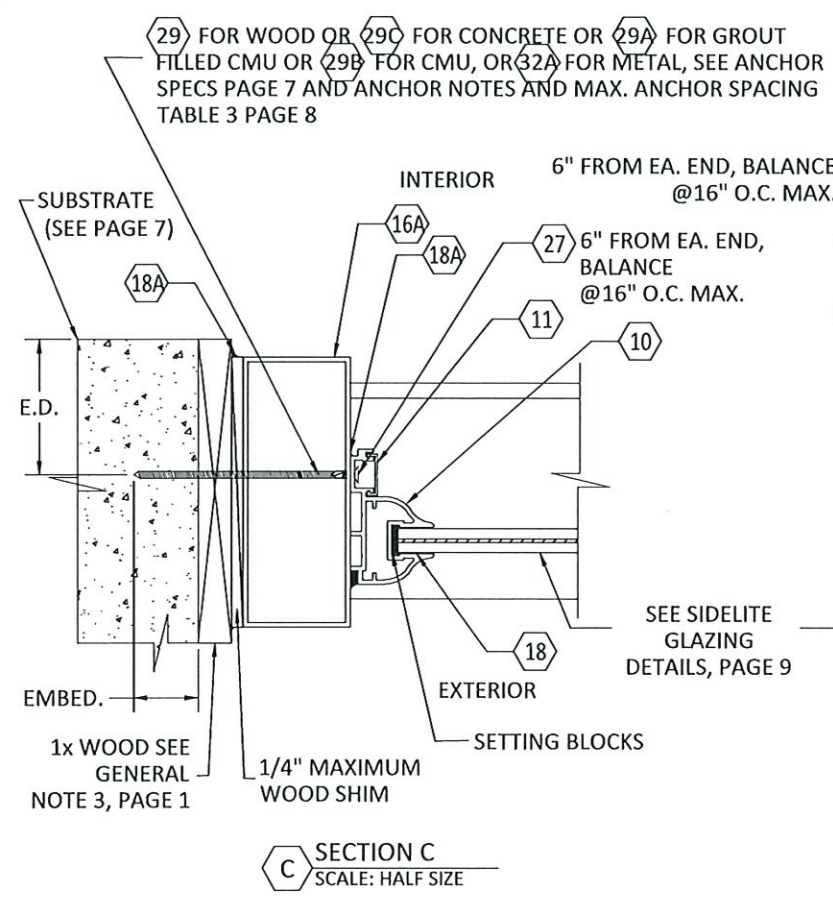
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DWG. BY:	SM	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	AIR002	
SHEET	4	



ABBREVIATIONS:  
 E.D. = EDGE DISTANCE  
 EMBED. = EDGE DISTANCE/PENETRATION  
 D.L.O. = DAYLIGHT OPENING

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 as complying with the Florida Building Code  
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 Expiration Date 07/25/2028  
 By *Isaac I. Chan*  
 Miami-Dade Product Control



# AIR MASTER GROUP

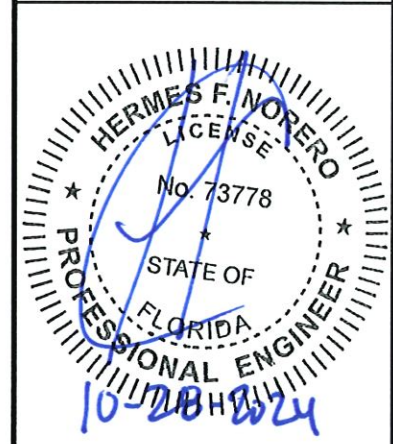
P.O. BOX 2097  
 BARCELONETA, P.R. 00617  
 WWW.AIRMASTERWINDOWS.COM  
 ROAD PR #2 INTERIOR KM 56.7  
 BARCELONETA, PR 00617  
 ROAD 189 KM 9.2 BO. MONTONES  
 GURABO, PR 00778  
 PH: (787) 623-1800

TITLE: AMG CERTIFIED SERIES CONTINENTAL OUTSWING VERTICAL GLASS DOOR HORIZONTAL SECTIONS

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 MIAMI, FL 33132  
 PH: (954) 939-8478  
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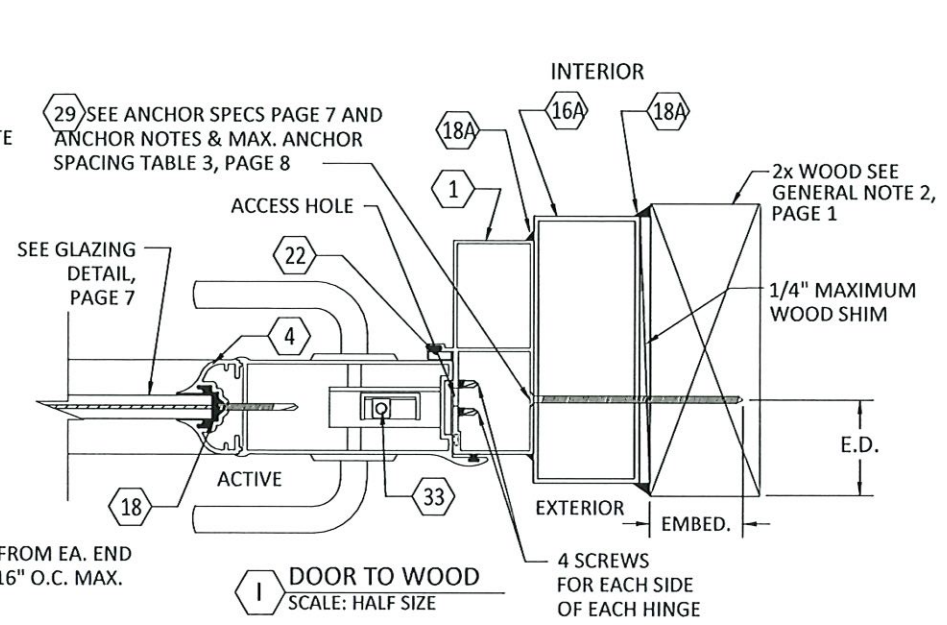
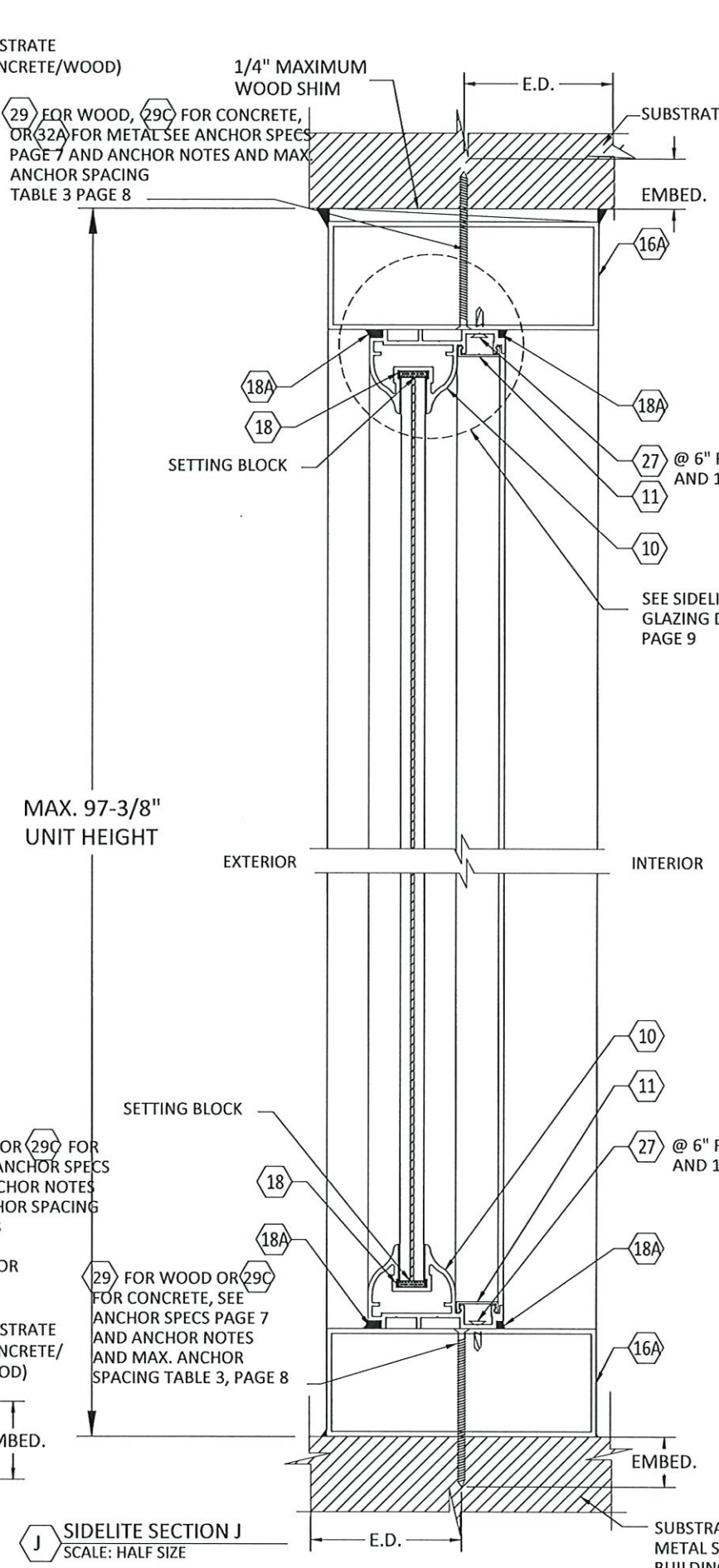
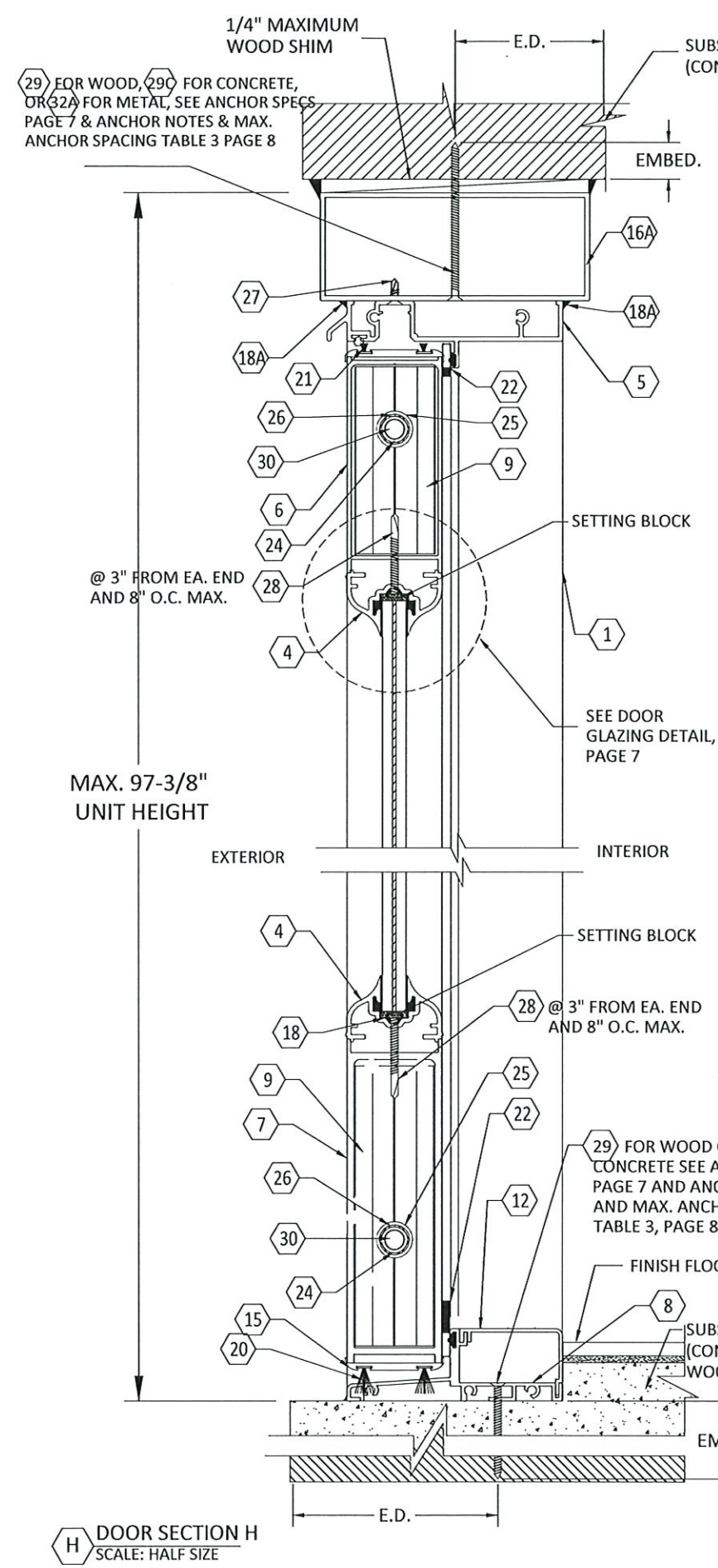
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DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AIR002
SHEET	5



**H** DOOR SECTION H  
 SCALE: HALF SIZE

**J** SIDELITE SECTION J  
 SCALE: HALF SIZE

SUBSTRATE (SEE PAGE 7)  
 METAL SUBSTRATE TO BE REVIEWED BY  
 BUILDING OFFICIAL FOR STRUCTURAL ADEQUACY



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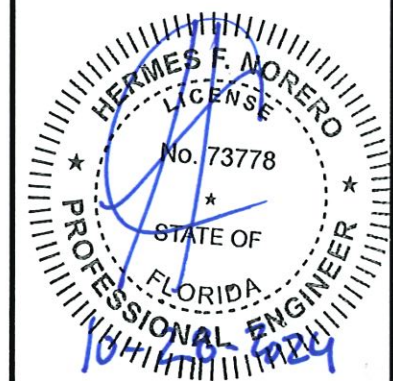
TITLE: AMG CERTIFIED SERIES  
 CONTINENTAL  
 OUTSWING ALUMINUM GLASS DOOR  
 ASSEMBLY EXPLODED VIEW

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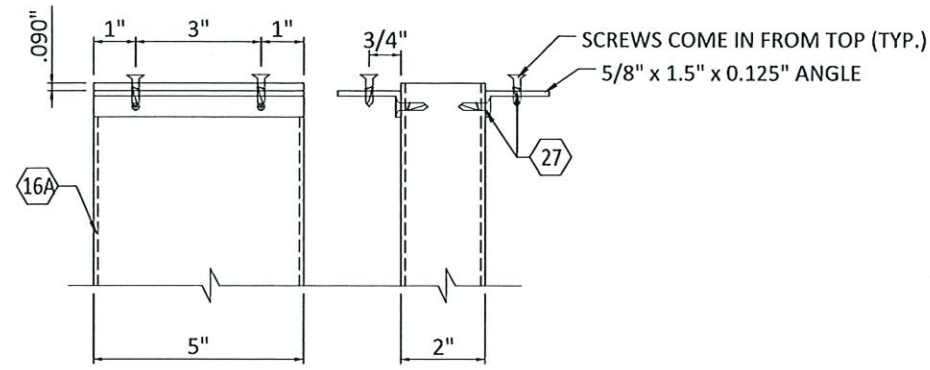
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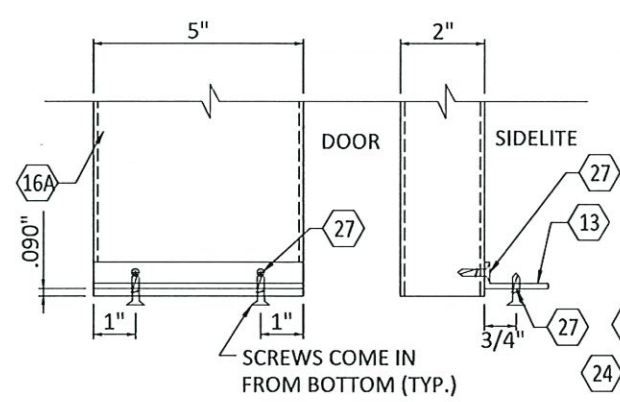
SHEET

6

OF 9



M5 MULLION W/ CLIP ANGLES BETWEEN DOOR & SIDELITE  
 N.T.S.



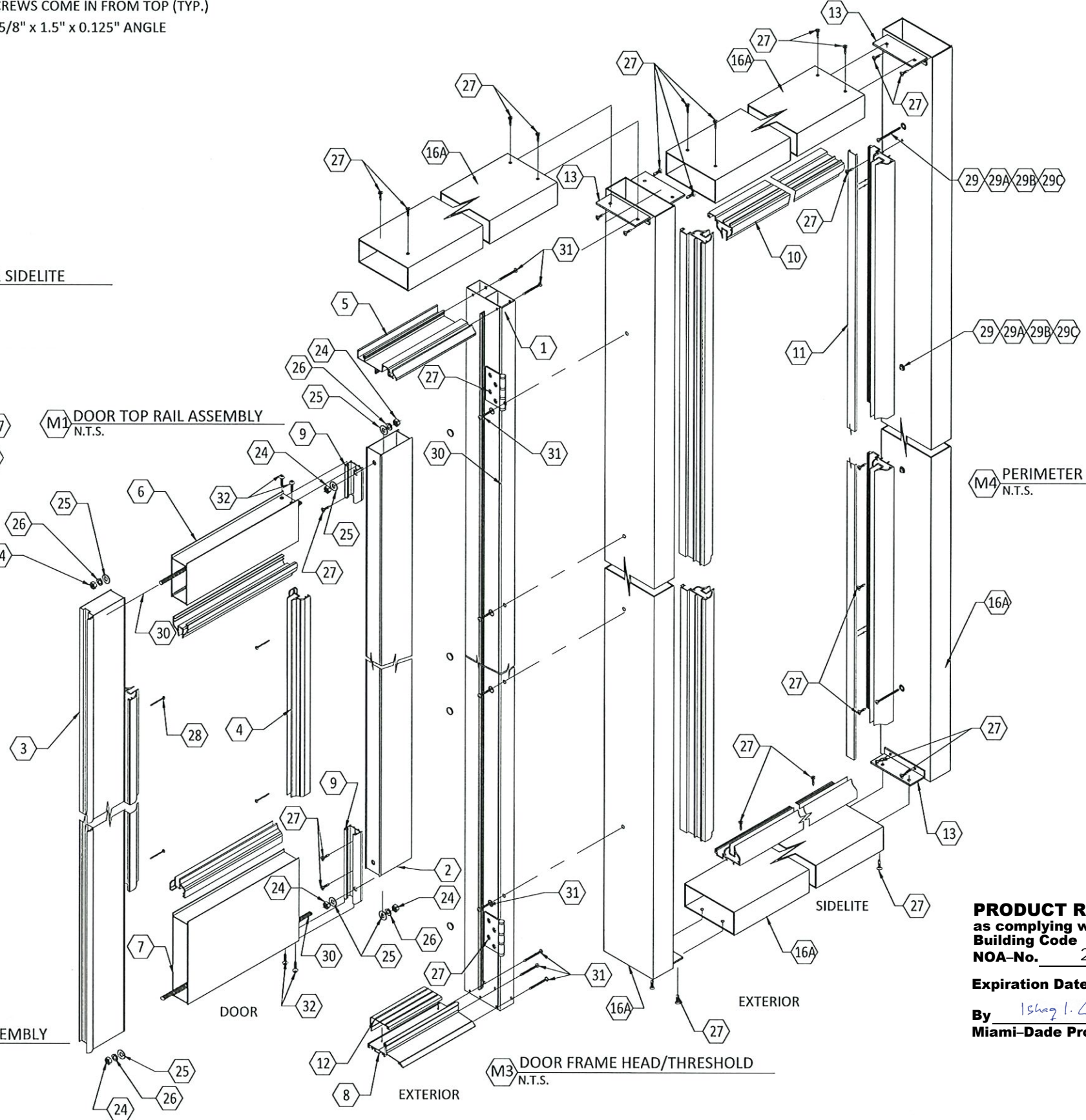
M6 MULLION W/ CLIP BETWEEN DOOR & SIDELITE - BOTTOM  
 N.T.S.

M1 DOOR TOP RAIL ASSEMBLY  
 N.T.S.

M2 DOOR BOTTOM RAIL ASSEMBLY  
 N.T.S.

M3 DOOR FRAME HEAD/THRESHOLD  
 N.T.S.

M4 PERIMETER SIDELITE ASSEMBLY  
 N.T.S.



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**NOTES:**

1. SINGLE SIDELITE WHEN USED WITH DOOR SHALL BE LIMITED TO EITHER SIDE OF DOOR

**TABLE 2 - SIDELITE UNIT SIZE**

NOM. HEIGHT (in)	NOM. WIDTH (in)	VERTICAL D.L.O. (in)	HORIZONTAL D.L.O. (in)	ACTUAL FINAL SIZES WITH 2"x5" FRAME MULLION		ALLOWABLE POSITIVE & NEGATIVE DESIGN WIND LOAD PSF
				OVERALL SIDELITE HEIGHT (in)	OVERALL SIDELITE WIDTH (in)	
93.25	30	90.13	26.88	97.38	34.13	*75.0
93.25	24	90.13	20.88	97.38	28.13	*75.0
93.25	18	90.13	14.88	97.38	22.13	*75.0
93.25	12	90.13	8.88	97.38	16.13	*75.0
81.25	30	78.13	26.88	85.38	34.13	*75.0
81.25	24	78.13	20.88	85.38	28.13	*75.0
81.25	18	78.13	14.88	85.38	22.13	*75.0
81.25	12	78.13	8.88	85.38	16.13	*75.0
78.00	30	74.88	26.88	82.13	34.13	*75.0
78.00	24	74.88	20.88	82.13	28.13	*75.0
78.00	18	74.88	14.88	82.13	22.13	*75.0
78.00	12	74.88	8.88	82.13	16.13	*75.0

\* +75 PSF WATER RATING WITH SIDELITE GLAZING TYPE G1 (SHEET 9)

**TABLE 1 - DOOR SIZES & DOOR SIZES W/ SIDELITE SIZES**

1 PANEL DOOR	2 PANEL DOOR (DOUBLE)	DOOR VERTICAL D.L.O. (in)	DOOR HORIZ. D.L.O. (in)	2"x5" FRAME/HEADER AND THRESHOLD OVERALL DOOR HEIGHT (in)	DOOR WITH 2"x5" FRAME HEADER AND THRESHOLD NO SIDELITE OVERALL 1 PANEL DOOR WIDTH (in)	DOOR W/ NO SIDELITE INCLUDES 2"x5" VERTICAL FRAME OVERALL 2 PANEL DOOR WIDTH (in)	ACTUAL FINAL SIZES OF DOORS W/ SIDELITE				ALLOWABLE POSITIVE AND NEGATIVE DESIGN WIND LOAD PSF		
							OVERALL 2 PANEL DOOR WIDTH W/ SIDELITE 30" ON EACH SIDE (in)	OVERALL 2 PANEL DOOR WIDTH W/ SIDELITE 24" ON EACH SIDE (in)	OVERALL 2 PANEL DOOR WIDTH W/ SIDELITE 18" ON EACH SIDE (in)	OVERALL 2 PANEL DOOR WIDTH W/ SIDELITE 12" ON EACH SIDE (in)			
95.25	36	95.25	72	81.67	22.23	97.38	40.13	76.13	140.38	128.38	116.38	104.38	*75.0
95.25	30	95.25	60	81.67	16.23	97.38	34.13	64.13	128.38	116.38	104.38	92.38	*75.0
95.25	24	95.25	48	81.67	10.23	97.38	28.13	52.13	116.38	104.38	92.38	80.38	*75.0
83.25	36	83.25	72	69.67	22.23	85.38	40.13	76.13	140.38	128.38	116.38	104.38	*75.0
83.25	30	83.25	60	69.67	16.23	85.38	34.13	64.13	128.38	116.38	104.38	92.38	*75.0
83.25	24	83.25	48	69.67	10.23	85.38	28.13	52.13	116.38	104.38	92.38	80.38	*75.0
80.00	36	80.00	72	66.42	22.23	82.13	40.13	76.13	140.38	128.38	116.38	104.38	*75.0
80.00	30	80.00	60	66.42	16.23	82.13	34.13	64.13	128.38	116.38	104.38	92.38	*75.0
80.00	24	80.00	48	66.42	10.23	82.13	28.13	52.13	116.38	104.38	92.38	80.38	*75.0

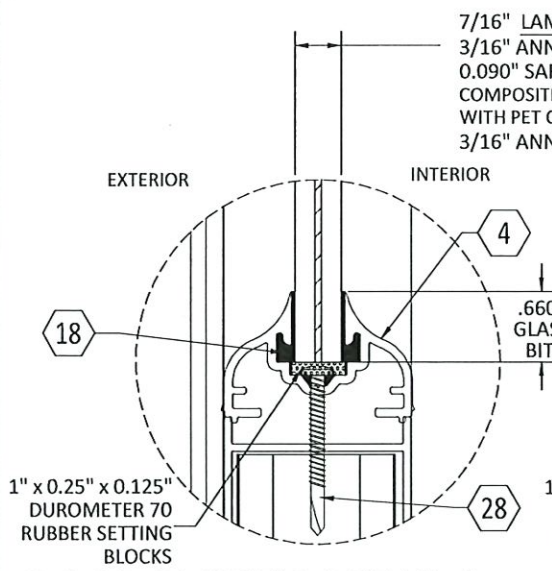
**NOTES:**

1. DOOR FRAME HEIGHT = NOMINAL DOOR HEIGHT + 2.125"
2. SIDELITE FRAME HEIGHT = NOMINAL SIDELITE HEIGHT + 4.125"
3. APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL
4. RATINGS ABOVE ARE APPLICABLE FOR DOORS USING EITHER MULTIPOINT LOCKING SYSTEM OR CYLINDRICAL LOCK AND DEADBOLT WITH FLUSH BOLT ON ACTIVE DOOR.

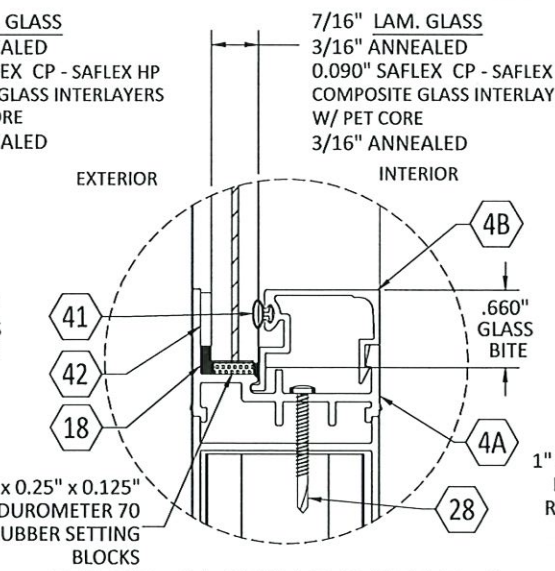
\* +75 PSF WATER RATING WITH DOOR GLAZING TYPE G1

**ANCHORS SPECIFICATIONS**

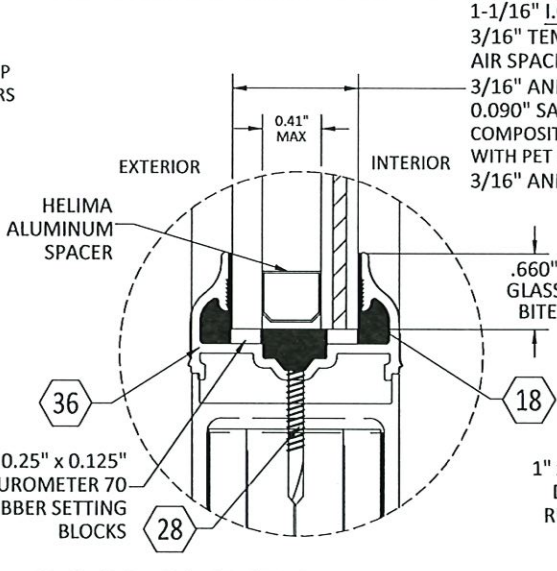
ITEM # 29 29C CONCRETE 32A	SIDELITE HEAD/SILL AND DOOR HEAD FRAME: #14 WOOD SCREW INTO SG=0.55 WOOD WITH 1 1/4" EDGE DISTANCE, MINIMUM SPACING = 1 1/4" AND 1 1/2" EMBEDMENT INTO 2 (2X) (Fyb= 70 KSI) 1/4" Ø DEWALT ULTRACON INTO CONCRETE (MIN F'c = 3000 PSI), WITH 2 1/2" EDGE DISTANCE, MINIMUM SPACING = 4" & MIN. EMBEDMENT = 1 3/4" (Fy=155 KSI Fu=177 KSI) #10 GRADE 5 SHEET METAL SCREW (SMS) INTO METAL STRUCTURE a. 6063-T5 ALUMINUM ALLOY, MINIMUM, 0.090- 0.125" THICK b. 12 GAUGE, 36 KSI STEEL-USE G-90 GALVANIZED STEEL OR PAINTED STEEL-SEE FBC DISSIMILAR METAL REQUIREMENTS
29 29C CONCRETE	DOOR THRESHOLD: #14 WOOD SCREW INTO SG=0.55 WOOD WITH 1 1/4" EDGE DISTANCE, MINIMUM SPACING = 1 1/4" & 1 1/2" EMBEDMENT, AT THRESHOLD INTO 2 (2X) (Fyb= 70 KSI) 1/4" Ø DEWALT ULTRACON INTO CONCRETE (MIN F'c = 3000 PSI), WITH 2 1/2" EDGE DISTANCE, MINIMUM SPACING = 4" & MIN. EMBEDMENT = 1 3/4" (Fy=155 KSI Fu=177 KSI)
29 29A GROUT FILLED CMU 29B CMU 29C CONCRETE 32A	SIDELITE JAMB/FRAME AND DOOR JAMB/FRAME: #14 WOOD SCREW INTO SG=0.55 WOOD WITH 1 1/4" EDGE DISTANCE, MINIMUM SPACING = 1 1/4" AND 1 1/2" PENETRATION INTO 2 (2X) (Fyb= 70 KSI) 1/4" Ø DEWALT ULTRACON INTO GROUT FILLED CMU (COMPLIES W/ ASTM C 90 NORMAL WEIGHT WITH 2 KSI), W/ 2 1/2" EDGE DISTANCE, MIN. SPACING = 4" & MIN. EMBEDMENT = 1 3/4" (Fy=155 KSI Fu=177 KSI) 1/4" Ø DEWALT ULTRACON INTO CMU (COMPLIES WITH ASTM C 90 NORMAL WEIGHT WITH 2 KSI), WITH 1" EDGE DISTANCE, MINIMUM SPACING = 6" & MIN. 1 1/4" EMBEDMENT (Fy=155 KSI Fu=177 KSI) 1/4" Ø DEWALT ULTRACON INTO CONCRETE (MIN F'c = 3000 PSI), WITH 2 1/2" EDGE DISTANCE, MINIMUM SPACING = 4" & MIN. 1 3/4" EMBEDMENT (Fy=155 KSI Fu=177 KSI) #10 GRADE 5 SHEET METAL SCREW (SMS) INTO METAL STRUCTURE a. 6063-T5 ALUMINUM ALLOY, MINIMUM, 0.090- 0.125" THICK b. 12 GAUGE, 36 KSI STEEL-USE G-90 GALVANIZED STEEL OR PAINTED STEEL-SEE FBC DISSIMILAR METAL REQUIREMENTS
27	CLIP ANGLES AT MULLION BETWEEN DOOR AND SIDELITE (2 TOP ANGLES AND 1 BOTTOM ANGLE ON EACH MULLION): #10 GRADE 5 SHEET METAL SCREW - 2 SMS IN EACH LEG OF THE 0.625" X 1.5" X 0.125" ANGLE



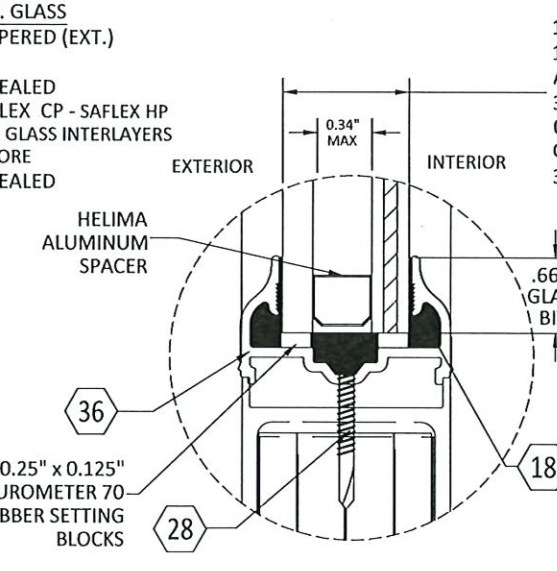
**DOOR GLAZING DETAIL 1**  
(RATED FOR WATER INFILTRATION)



**DOOR GLAZING DETAIL 2**  
(NOT RATED FOR WATER INFILTRATION)



**DOOR GLAZING DETAIL 3**  
(NOT RATED FOR WATER INFILTRATION)



**DOOR GLAZING DETAIL 4**  
(NOT RATED FOR WATER INFILTRATION)

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
NOA-No. 23-1113.02  
Expiration Date 07/25/2028  
By *Isaac I. Chan*  
Miami-Dade Product Control

**AIR MASTER GROUP**  
P.O. BOX 2097  
BARCELONETA, P.R. 00617  
WWW.AIRMASTERWINDOWS.COM  
ROAD PR #2 INTERIOR KM 56.7  
BARCELONETA, PR 00617  
ROAD 189 KM 9.2 BO. MONTONES  
GURABO, PR 00778  
PH: (787) 623-1800

TITLE: AMG CERTIFIED SERIES CONTINENTAL OUTSWING ALUMINUM GLASS DOOR ANCHOR SCHEDULE, SIZE TABLE AND DOOR GLAZING DETAILS  
PREPARED BY: BUILDING DROPS, INC.  
1900 NE MIAMI CT. SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

REMARKS	BY	DATE
7TH EDITION FBC UPDATE	MS	10.29.20
NEW LOCK OPTION	SM	10.04.21
UPDATED TITLEBLOCK AND ADDED ADDRESS	DI	10.05.22
8TH EDITION FBC UPDATE	MG	10.13.23

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



HERMES F. NORERO, P.E.  
FLORIDA P.E. No 73778  
BUILDING DROPS, INC  
1900 NE MIAMI CT. SUITE 2-15  
MIAMI, FL 33132  
FBPE CERT. OF AUTHORIZATION No. 29578

DATE:	05.07.18
DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AIR002
SHEET	7



# AIR MASTER GROUP

P.O. BOX 2097  
 BARCELONETA, P.R. 00617  
 WWW.AIRMASTERWINDOWS.COM  
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 BARCELONETA, PR 00617  
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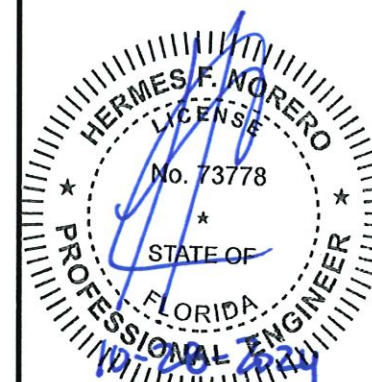
TITLE: AMG CERTIFIED SERIES CONTINENTAL OUTSWING ALUMINUM GLASS DOOR INSTALLATION LAYOUTS AND ANCHOR LAYOUTS

PREPARED BY: BUILDING DROPS, INC.  
 1900 NE MIAMI CT. SUITE 2-15  
 MIAMI, FL 33132  
 PH: (954) 399-8478  
 FAX: (954) 744-4738  
 WEB: www.buildingdrops.com



REMARKS	BY	DATE
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NEW LOCK OPTION	SM	10.04.21
UPDATED TITLEBLOCK AND ADDED ADDRESS	DI	10.05.22
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HERMES F. NORERO, P.E.  
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 1900 NE MIAMI CT. SUITE 2-15  
 MIAMI, FL 33132  
 FBPE CERT. OF AUTHORIZATION No. 29578

DATE: 05.07.18

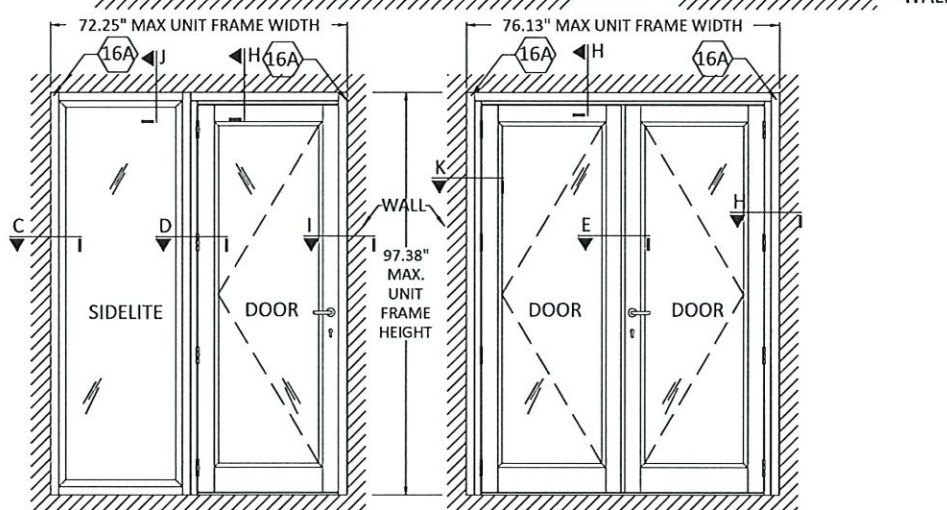
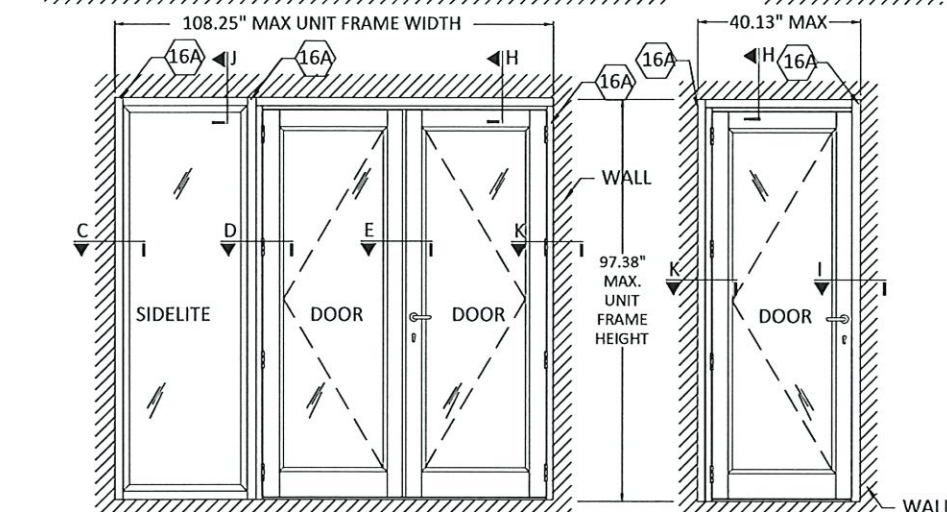
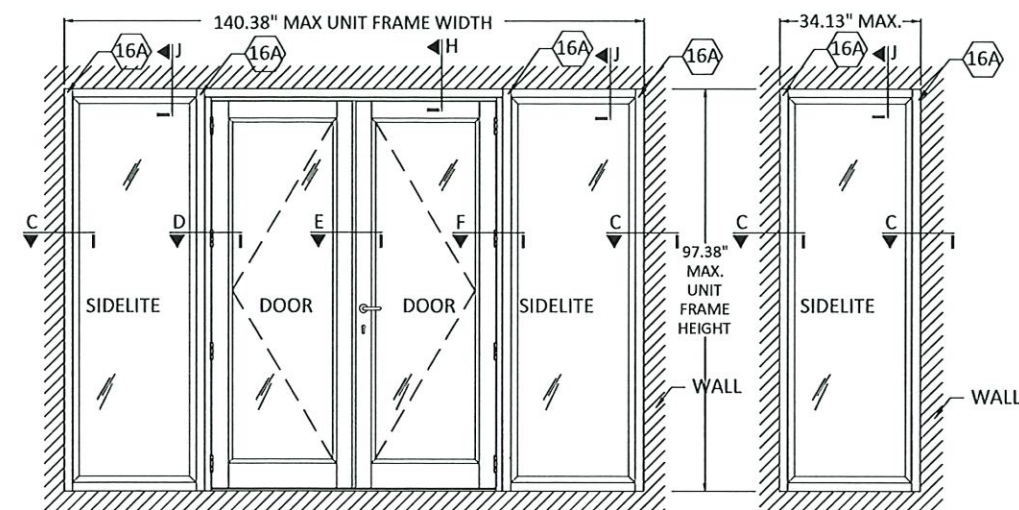
DWG. BY: SM  
 CHK. BY: HFN

SCALE: NTS

DWG. #: AIR002

SHEET

8



**N** OPTIONAL INTALLATION LAYOUTS  
 N.T.S.

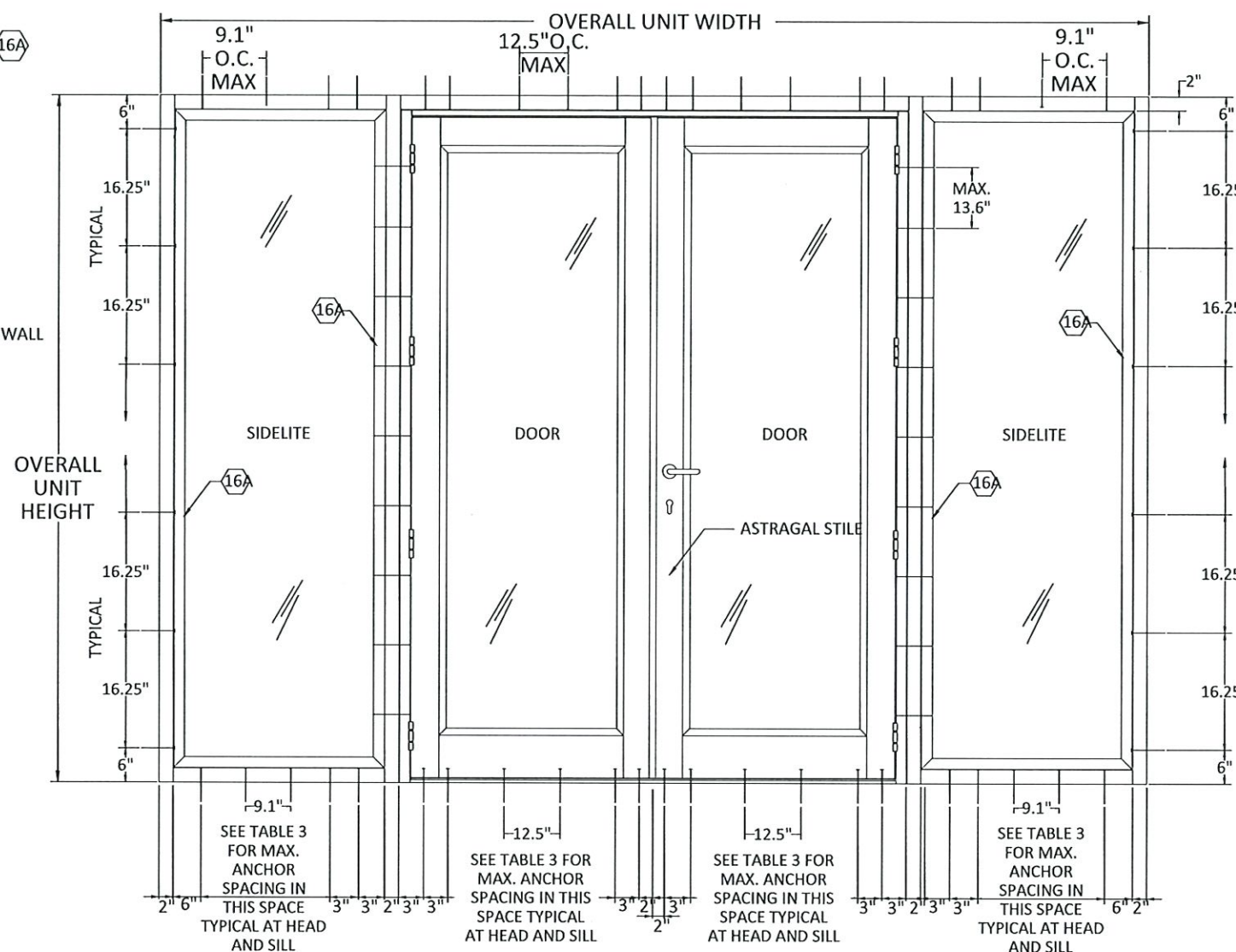
**ANCHOR NOTES:**

1/4" DIAMETER DEWALT ULTRACON WITH 2.5" EDGE DISTANCE, MIN. 4" SPACING & 1 3/4" EMBEDMENT  
 #14 DIAMETER WOOD SCREW WITH 1.25" EDGE DISTANCE & MIN. 1.25" O.C. SPACING WITH 1.5" PENETRATION

ANCHOR REQUIREMENTS FOR DOOR THRESHOLD AND HEAD ON BOTH SIDES OF MULLION  
 FOR CONCRETE SUBSTRATES, USE FOUR (4) 1/4" DIAMETER DEWALT ULTRACON, ITEM 29C TO THRESHOLD, WITH 1 EACH AT 3" AND 6" FROM EACH END OF THRESHOLD & 1 EACH AT 3" AND 6" FROM EDGE OF MULLION (16A) IN SIDELITE SILL.

FOR WOOD SUBSTRATES, USE TWO (2) #14 DIAMETER WOOD SCREWS WITH 1.5" PENETRATION, INSTALLED AT EACH OF THE SAME LOCATIONS AS DESCRIBED ABOVE FOR CONCRETE SUBSTRATES.

BALANCE OF ANCHORS, FOR CONCRETE AND WOOD SUBSTRATES, BETWEEN STARTER ANCHORS AND CLUSTERS AT MULLION SHALL BE EQUALLY SPACED, BUT SHALL NOT EXCEED THE MAXIMUM ANCHOR SPACING SHOWN IN TABLE 3 ON THIS PAGE.



**M** EXTERIOR ELEVATION - EXAMPLE  
 N.T.S.

**NOTE:**

- THE DIAGRAM ABOVE SHOWS 1/4" Ø ANCHORS LOCATIONS THAT MUST BE USED FOR ALL DOOR & SIDELITE SIZES. MAXIMUM ANCHOR SPACING BETWEEN THE STARTER ANCHOR & CLUSTER OR MAXIMUM ANCHOR SPACING BETWEEN CLUSTERS CAN BE FOUND IN TABLE 3, THIS PAGE.

**TABLE 3 - DOOR & SIDELITE MAXIMUM ANCHOR PERIMETER SPACING ALLOWED EXCEPT CLUSTERS AT DOOR ASTRAGAL (MEETING STILES) AND MULLION ENDS (SEE SHEET 1 & 2)**

SUBSTRATES	SIDELITE JAMB TO WALL (in)	MIN. 2 ANCHORS		DOOR JAMB OR SIDELITE TO MULLION (in)	MIN. 2 ANCHORS		DOOR THRESHOLD (in)
		SIDELITE HEAD (in)	SIDELITE SILL (in)		DOOR JAMB TO WALL (in)	DOOR HEAD (in)	
SG=0.55 WOOD CONCRETE	16.25	9.1	9.1	13.6	13.6	12.5	12.5
GROUT FILLED CMU HOLLOW CMU	16.25	N/A	N/A	13.6	13.6	N/A	N/A

ANCHOR REQUIREMENTS FOR DOOR THRESHOLD AND HEAD AT ASTRAGAL  
 FOR CONCRETE INSTALLATIONS, USE TWO (2) ULTRACONS, ITEM 29C, WITH 2 1/2" EDGE DISTANCE & 1 3/4" EMBEDMENT; ONE AT 2" & 5" ON EACH SIDE OF THE CENTERLINE OF THE 2 DOORS.  
 FOR WOOD INSTALLATIONS, USE TWO (2) #14 DIAMETER WOOD SCREWS, ITEM 29 WITH 1 1/4" EDGE DISTANCE AND 1 1/2" EMBEDMENT, ONE EACH AT 2" & 5" ON EACH SIDE OF THE CENTERLINE OF THE 2 DOORS, ADDITIONALLY USE ONE #14 WOOD SCREW ANCHOR AT CENTERLINE OF THE 2 DOORS.

BALANCE OF ANCHORS, FOR CONCRETE AND WOOD SUBSTRATES, BETWEEN STARTER ANCHORS AND CLUSTERS AT ASTRAGAL SHALL BE EQUALLY SPACED, BUT SHALL NOT EXCEED THE MAXIMUM ANCHOR SPACING SHOWN IN TABLE 3 ON THIS PAGE.

ANCHOR REQUIREMENTS FOR SIDELITE AND DOOR CONNECTION TO VERTICAL MULLION  
 ALL #10 GRADE 5 SCREWS, ITEM 31, CONNECTING THE SIDELITE AND OR DOOR TO THE 2" X 5" X 0.090" VERTICAL TUBE MULLION, ITEM 16A, TO BEGIN AND END AT 8" (STARTER FASTENER) FROM THE TOP AND BOTTOM OF THE 2" X 5" TUBE. THE BALANCE OF THE #10 GRADE 5 SCREWS BETWEEN THE STARTER FASTENERS SHALL BE EQUALLY SPACED, BUT SHALL NOT EXCEED THE MAXIMUM ANCHOR/FASTENER SPACING SHOWN IN TABLE 3 ON DRAWING PAGE 8.

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
**NOA-No.** 23-1113.02

**Expiration Date** 07/25/2028

**By** Ishag I. Chanda  
**Miami-Dade Product Control**



# AIR MASTER GROUP

P.O. BOX 2097  
 BARCELONETA, P.R. 00617  
 WWW.AIRMASTERWINDOWS.COM  
 ROAD PR #2 INTERIOR KM 56.7  
 BARCELONETA, PR 00617  
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 PH: (787) 623-1800

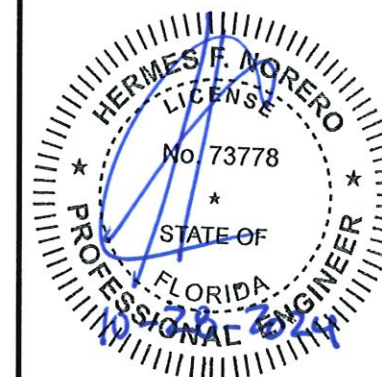
TITLE: AMG CERTIFIED SERIES  
 CONTINENTAL  
 OUTSWING ALUMINUM GLASS DOOR  
 ANCHOR LAYOUTS &  
 SIDELITE GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.  
 1900 NE MIAMI CT. SUITE 2-15  
 MIAMI, FL 33132  
 PH: (954)399-8478  
 FAX: (954)744-4738  
 WEB: www.buildingdrops.com



REMARKS	BY	DATE
7TH EDITION FBC UPDATE	MS	10.29.20
NEW LOCK OPTION	SM	10.04.21
UPDATED TITLEBLOCK AND ADDED ADDRESS	DI	10.05.22
8TH EDITION FBC UPDATE	MG	10.13.23

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HERMES F. NORERO, P.E.  
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 FBPE CERT. OF AUTHORIZATION No. 29578

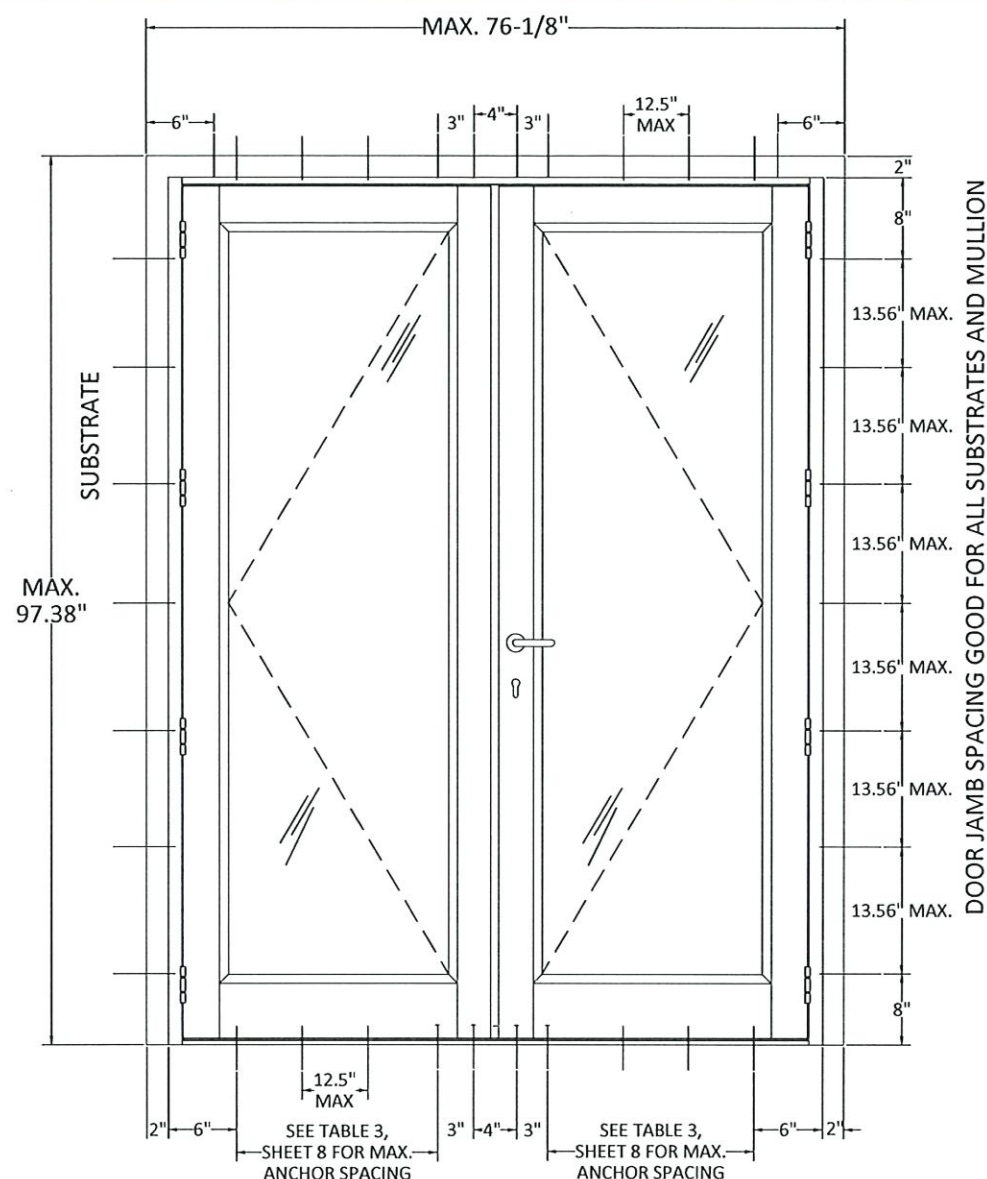
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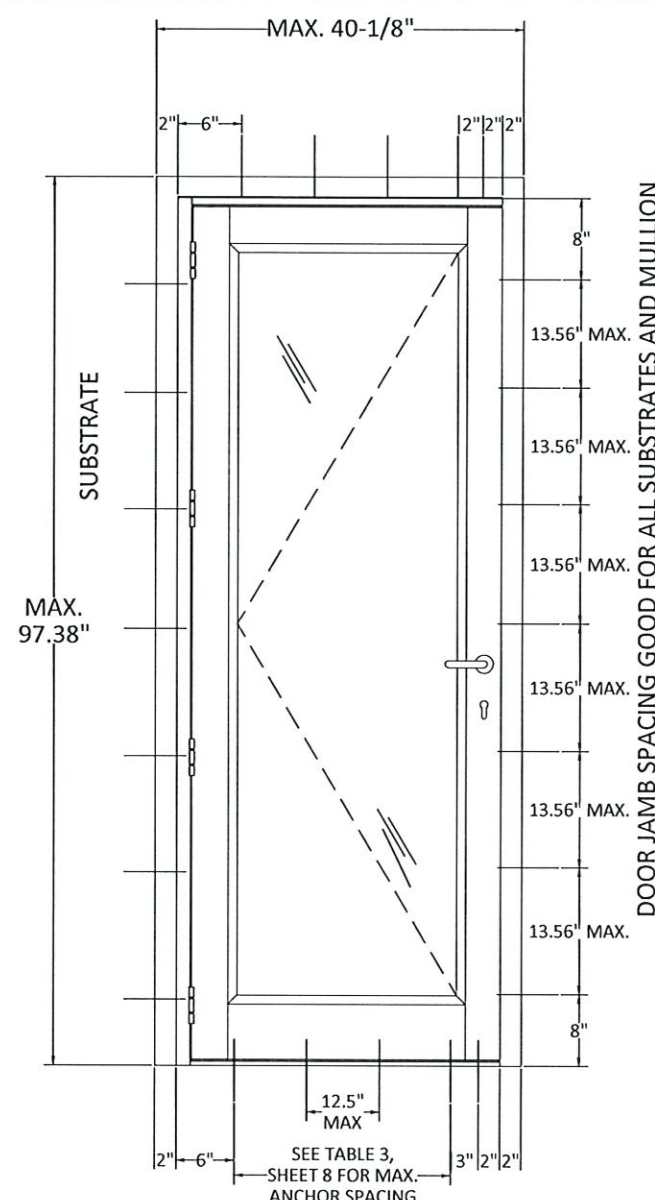
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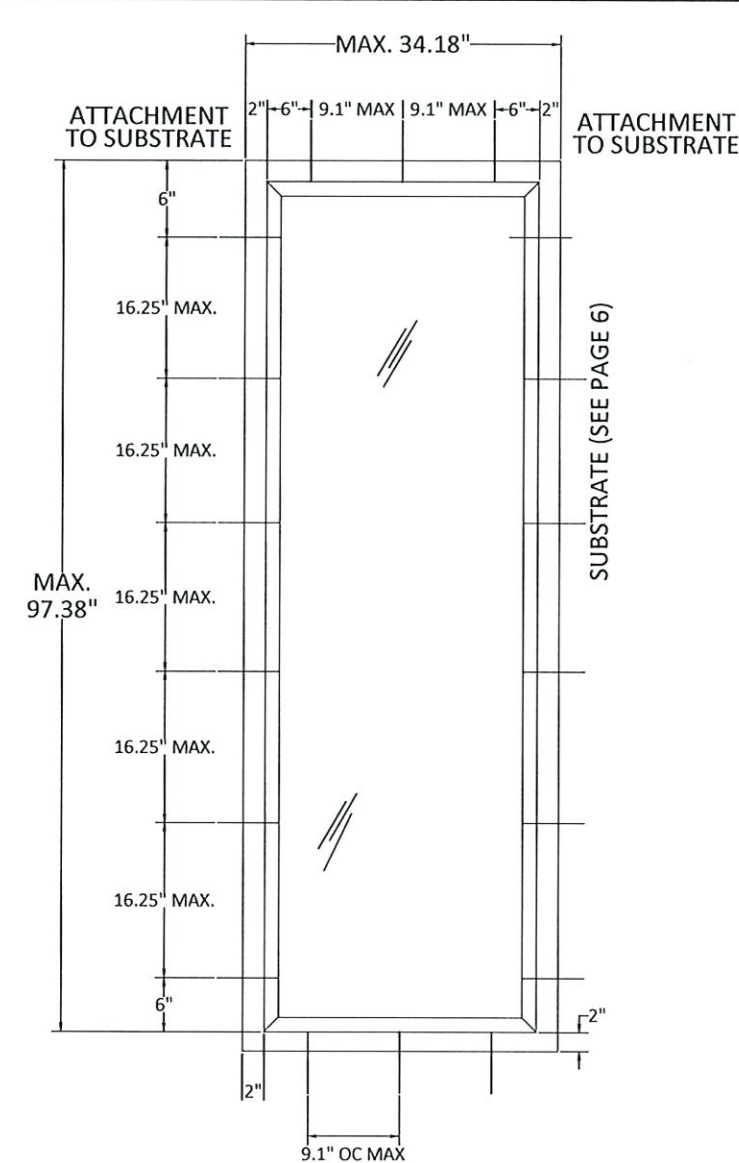
SHEET  
 9



**Q** DOUBLE DOOR  
 N.T.S.



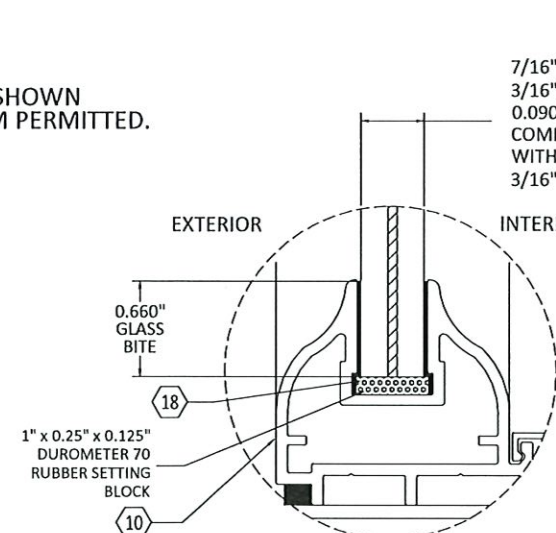
**R** SINGLE DOOR  
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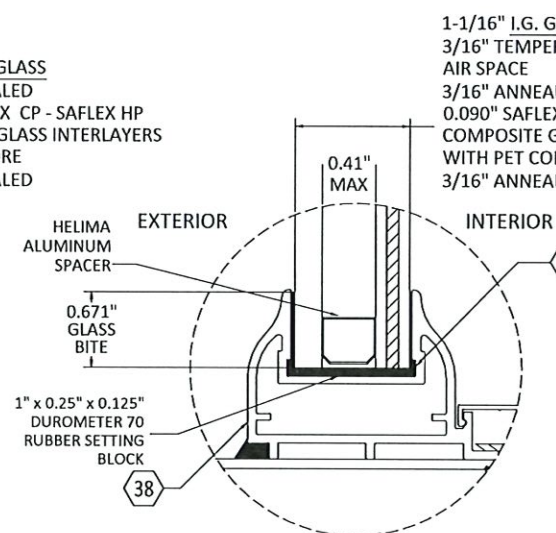
**S** SINGLE SIDELIGHT  
 N.T.S.

**NOTE:**

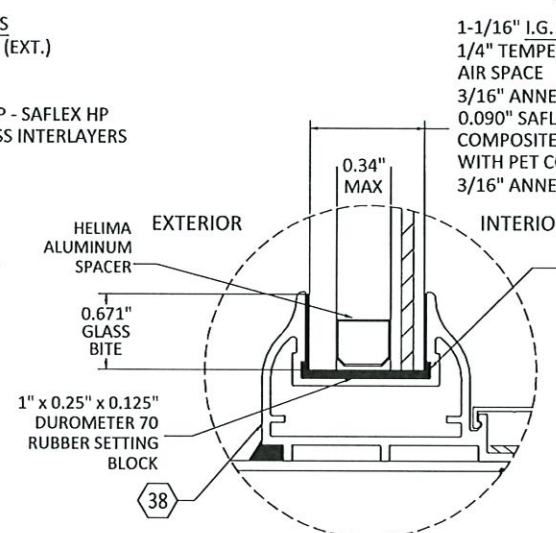
1. ALL ANCHORS SPACING SHOWN ABOVE IS THE MAXIMUM PERMITTED.



**SIDELITE GLAZING DETAIL 1**  
 (RATED FOR WATER INFILTRATION)



**SIDELITE GLAZING DETAIL 2**  
 (NOT RATED FOR WATER INFILTRATION)



**SIDELITE GLAZING DETAIL 3**  
 (NOT RATED FOR WATER INFILTRATION)

7/16" LAM. GLASS  
 3/16" ANNEALED  
 0.090" SAFLEX CP - SAFLEX HP  
 COMPOSITE GLASS INTERLAYERS  
 WITH PET CORE  
 3/16" ANNEALED

1-1/16" I.G. GLASS  
 3/16" TEMPERED (EXT.)  
 AIR SPACE  
 3/16" ANNEALED  
 0.090" SAFLEX CP - SAFLEX HP  
 COMPOSITE GLASS INTERLAYERS  
 WITH PET CORE  
 3/16" ANNEALED

1-1/16" I.G. GLASS  
 1/4" TEMPERED (EXT.)  
 AIR SPACE  
 3/16" ANNEALED  
 0.090" SAFLEX CP - SAFLEX HP  
 COMPOSITE GLASS INTERLAYERS  
 WITH PET CORE  
 3/16" ANNEALED