



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

**Montecarlo Doors, Inc.**  
**4440 PGA Blvd, Suite #600**  
**Palm Beach Garden, FL 33410**

**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: "Montecarlo" Series Outswing glazed Wood Doors-L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **H582-0907-11G**, titled "Mahogany Outswing Entrance Doors (L.M.I.)", sheets 1 through 10 of 10, dated 10/12/2011 and last revised on SEP 23, 2024, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

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

**Limitations:**

1. See Design Pressure in sheet 1.
2. Door may be horizontally or vertically mulled (See sheets 3 & 8 for mullion clip and anchors) to Montecarlo's Transom or Sidelites (under separate approvals to be reviewed by AHJ). When door is mulled, lower design pressure of door or Transom or door or Sidelites may control for entire assembly.
3. The Max allowable DLO (day Light Opening) is 37-1/2"x104-1/4". The max Partial raised Panel is 37.5" Wx35" H.
4. All anchors at door headers and jambs are in double rows. See Meeting Stiles anchor clusters in sheets 3 & 10.

**LABELING:** Each unit shall bear a permanent label with the manufacturer name or logo, **Medelin, Colombia** 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 #23-0623.07** consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 & 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 under previous approvals**

**A. DRAWINGS**

1. Manufacturer's parts drawings and sections
2. Drawing No. **H582-0907-11G**, titled "Mahogany Outswing Entrance Doors (L.M.I.)", sheets 1 through 10 of 10, dated APR 04, 2013, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P. E.

**B. TESTS (submitted under file #12-0509.02)**

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 outswing wood glass door w/ Transom and Outswing wood doors w/sidelites, Half Round and Arch shapes double opaque/glazed doors & shaped glazed wood transoms , prepared by Hurricane Testing Lab, LLC, Test Report No. **HTL-0582-0402-11**, dated 10/31/11 and revised on 11/19/12, signed and sealed by Vinu J. Abraham, P. E. (Hurricane Testing Lab, now has been acquired by Architectural Testing)

Note: This test report has been revised by an addendum letter dated Jan 31, 2013, issued by Architectural Testing, signed and sealed by Vinu J. Abraham, P. E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Wolters Engineering Inc., dated May 04, 2012, and last revised on DEC 07, 2012, signed and sealed by Scott Wolters, 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. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ®**", expiring on 01/14/17.
2. Notice of Acceptance No. **08-0709.04** issued to Nebula Glass Int'l. dba Glasslam for their "**Safety Plus II ®**", expiring on 08/17/13.

**F. STATEMENTS**

1. Statement letter of conformance and letter of no financial interest, dated May 04, 2012, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P. E.
2. Lab compliance as part of the above referenced test report, including letter dated August 24, 2011, issued by Hurricane Testing Lab.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 24-0814.10**  
**Expiration Date: April 04, 2024**  
**Approval Date: October 10, 2024**

**Montecarlo Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**G. OTHER**

1. Test proposal dated Sep 23, 2010, approved by BCCO.
2. Distribution agreement dated April 11, 2012, between Maderas De Occidente, Colombia(manufacturer) and Montecarlo Doors, Inc, USA (distributor), signed by Ms. Adriana Maria Velez Posad and Juan D. Gomez, respectively on behalf of their companies.

**2. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No. **H582-0907-11G**, titled “Mahogany Outswing Entrance Doors (L.M.I.)”, sheets 1 through 10 of 10, dated 10/12/2011 and last revised on MAR 05, 2018, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P.E.

Note: This revision consists of updated glazing interlayer manufacturer.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. None.
2. Glazing complies w/ ASTM E-1300-04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** (Former E.I. DuPont DE Nemours & Co., Inc. for the “**Sentry Glass ® (Clear and White) Glass Interlayers**”, expiring on 07/04/23.
2. Notice of Acceptance No. **16-0208.12** issued to Polymer Extrusion Laboratory, dba Glasslam for their “**Glasslam Safety Plus II ® Glass Interlayer**”, expiring on 08/07/18.

**F. STATEMENTS**

1. Statement letter of conformance to **FBC 2017 (6<sup>th</sup> Edition)**, dated MAR 05, 2018, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P. E.

**G. OTHER**

1. This NOA **revises & renews #12-0509.02**, expiring 04/04/2023.
2. Distribution agreement dated April 23, 2018, between MCD Design SAS, Colombia (manufacturer) and Montecarlo Doors, Inc, USA (distributor), signed by Mr. Pablo Madrid and Juan D. Gomez, respectively on behalf of their companies.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 24-0814.10**  
**Expiration Date: April 04, 2024**  
**Approval Date: October 10, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. Evidence submitted under previous approval.**

**B. DRAWINGS**

1. Drawing No. **H582-0907-11G**, titled “Mahogany Outswing Entrance Doors (L.M.I.)”, sheets 1 through 10 of 10, dated 10/12/2011 and last revised on MAR 05, 2018, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P.E.

Note: This revision is for FBC 2020 (7<sup>th</sup> Edition) updates, only.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. None.
2. Glazing complies w/ ASTM E-1300-04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** (Former E.I. DuPont DE Nemours & Co., Inc. for the “**Sentry Glass ® (Clear and White) Glass Interlayers**”, expiring on 07/04/23.
2. Notice of Acceptance No. **16-0208.12** issued to Polymer Extrusion Laboratory, dba Glasslam for their “**Glasslam Safety Plus II ® Glass Interlayer**”, expiring on 08/07/18.

**F. STATEMENTS**

1. Statement letter of conformance to **FBC 2020 (7<sup>th</sup> Edition)**, dated APR 29, 2021, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P. E.

**G. OTHER**

1. This NOA **revises & renews #12-0509.02**, expiring 04/04/2023.
2. Distribution agreement dated April 23, 2018, between MCD Design SAS, Colombia (manufacturer) and Montecarlo Doors, Inc, USA (distributor), signed by Mr. Pablo Madrid and Juan D. Gomez, respectively on behalf of their companies.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 24-0814.10**  
**Expiration Date: April 04, 2024**  
**Approval Date: October 10, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No. **H582-0907-11G**, titled “Mahogany Outswing Entrance Doors (L.M.I.)”, sheets 1 through 10 of 10, dated 10/12/2011 and last revised on MAR 05, 2018, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P.E.

Note: This is one year Renewal, subjected to verification test.

**B. TESTS (submitted under previous approval)**

1. None.

**C. CALCULATIONS (submitted under previous approval)**

1. None.
2. Glazing complies w/ ASTM E-1300-04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** (Former E.I. DuPont DE Nemours & Co., Inc. for the “**Sentry Glass ® (Clear and White) Glass Interlayers**”, expiring on 07/04/28.
2. Notice of Acceptance No. **23-0523.01** issued to Polymer Extrusion Laboratory, dba Glasslam for their “**Glasslam Safety Plus II ® Glass Interlayer**”, expiring on 08/07/28.

**F. STATEMENTS**

1. Statement letter of conformance to **FBC 2020 (7<sup>th</sup> Edition)**, dated APR 29, 2021, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P. E. (submitted under previous approval)
2. Statement letter of conformance to **FBC 2023 (8<sup>th</sup> Edition)**, dated July 05, 2023, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P. E.
2. Statement letter dated June 9<sup>th</sup> issued by Montecarlo Doors, Inc., requesting one year Renewal, signed by Juan Gomez, sales manager.
3. Statement letter dated July 05, 2023. Issued by Intertek Lab of an upcoming verification test, scheduled for Montecarlo Doors, Inc., signed by Dan Carroll, Regional Manager.

**G. OTHER**

1. This NOA conditionally **renews #21-0510.07**, (subjected to verification test), expiring 04/04/2024.
2. Test proposal for one hybrid mock-up test, submitted by Intertek Lab, approved by RER via e-mail dated 06/09/23 by Ishaq I. Chanda, P.E.
3. Distribution agreement dated April 23, 2018, between MCD Design SAS, Colombia (manufacturer) and Montecarlo Doors, Inc, USA (distributor), signed by Mr. Pablo Madrid and Juan D. Gomez, respectively on behalf of their companies (submitted previous NOA(s)).

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 24-0814.10**  
**Expiration Date: April 04, 2024**  
**Approval Date: October 10, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. New Evidence submitted**

**A. DRAWINGS**

1. Drawing No. **H582-0907-11G**, titled “Mahogany Outswing Entrance Doors (L.M.I.)”, sheets 1 through 10 of 10, dated 10/12/2011 and last revised on SEP 10, 2024, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P.E.

Note: This is a renewal with no change and FBC 2023 updates.

**B. TESTS (submitted under previous approval)**

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 outswing wood glass door w/ Transom and Outswing double opaque/glazed doors w/sidelites & transom, prepared by Intertek Testing Lab, LLC, Test Report No. **Q2342.01-450-18**, dated 07/02/24, signed and sealed by Tanya Dolby, P. E.

**C. CALCULATIONS (submitted under previous approval)**

1. None.
2. Glazing complies w/ ASTM E-1300-04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** (Former E.I. DuPont DE Nemours & Co., Inc. for the “**Sentry Glass ® (Clear and White) Glass Interlayers**”, expiring on 07/04/28.
2. Notice of Acceptance No. **23-0523.01** issued to Polymer Extrusion Laboratory, dba Glasslam for their “**Glasslam Safety Plus II ® Glass Interlayer**”, expiring on 08/07/28.

**F. STATEMENTS**

1. Statement letter of conformance to **FBC 2023 (8<sup>th</sup> Edition)** and No change, except FBC updates, dated September 23, 2024, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P. E.
2. Statement letter dated July 8<sup>th</sup>, 2024, issued by Montecarlo Doors, Inc., requesting 5-year regular renewal, signed by Juan Gomez, sales manager.

**G. OTHER**

1. This NOA **revises & renews #23-0623.07**, expiring 04/04/2029.
2. Verification test, Test Report No. **Q2342.01-450-18**, dated 07/02/24.
3. Distribution agreement dated August 30, 2024, between MCD Design SAS, Colombia (manufacturer) and Montecarlo Doors, Inc, USA (distributor), signed by Mr. Miguel Gomez and Juan D. Gomez, respectively on behalf of their companies.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 24-0814.10**  
**Expiration Date: April 04, 2024**  
**Approval Date: October 10, 2024**



## MATERIALS LIST

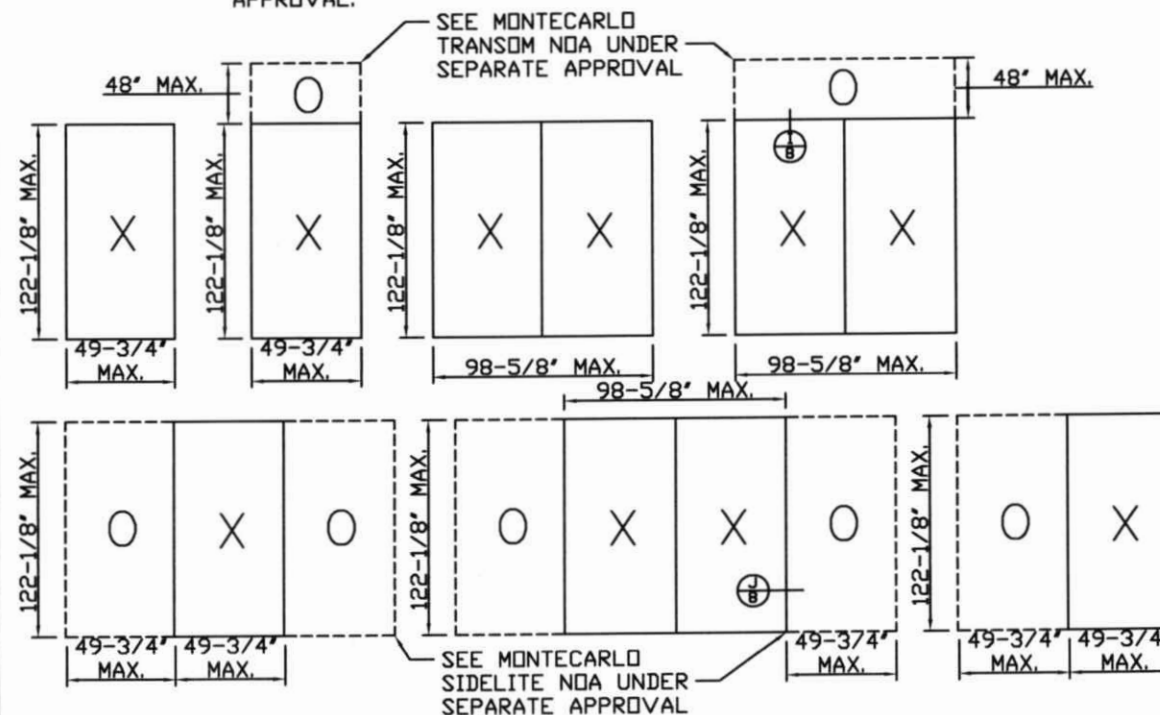
1. HEAD AND JAMB RABBETED & KERFED MAHOGANY
  - A. 1 1/8" X 5 1/4" HEAD - ARCH TOP AND EYEBROW, MAHOGANY AND PLYWOOD
  - B. 1 1/4" X 5 1/4" TYPICAL HEAD AND JAMB, SOLID MAHOGANY
2. ACTIVE LEAF LOCKING HARDWARE OPTIONS:
  - A. HOPPE HLS9000 5-POINT MULTIPOINT DOOR BOLT SYSTEM WITH LEVER HANDLE & STRIKE AT 36" ABOVE BASE OF DOOR AND SHOOT BOLT MORTISED INTO DOOR PANEL WITH TOP AND BOTTOM STRIKES.
  - B. CONVENTIONAL SCHLAGE B60N 619 CYLINDER LOCK & DEAD BOLT @ 36" & 48 1/2" ABOVE BASE OF DOOR (WITH 3B FLUSH BOLTS AT TOP & BOTTOM).
3. INACTIVE LEAF FLUSH BOLT OPTIONS:
  - A. HOPPE DOUBLE ACTING FLUSH BOLT WITH TOP & BOTTOM STRIKES
  - B. HAGER 6 3/4" MANUAL FLUSH BOLTS AT THE TOP AND BOTTOM OF DOOR WITH TOP & BOTTOM STRIKES
4. HAGER #1193 SOLID BRASS BALL BEARING HINGES 4 1/2" X 4 1/2" X 3/8" THICK
5. STRIKES: HEAD AND SILL STRIKE PLATE 1/2" THICK STEEL 2" X 6 1/8".
6. GLASS: SEE GLAZING DETAILS ON SHEET 2.
7. 5 3/4" X 1 1/8" 6063 - T5 - ALUMINUM BUMPER THRESHOLD.
8. 2"x6"x8" ALUMINUM 6063-T6 MULLION WITH 6"x8"x1/4" CONT. FILLET WELDED END PLATES.
9. 2 1/8" X 5 1/4" COMPOSITE MAHOGANY STILE.
10. RAILS:
  - A. NOT USED
  - B. 5" X 2 3/8" COMPOSITE MAHOGANY MEETING RAIL
  - C. 5 1/4" X 2 1/4" COMPOSITE MAHOGANY TOP RAIL
  - D. NOT USED
  - E. 10 1/2" X 2 1/8" COMPOSITE MAHOGANY TYPICAL BOTTOM RAIL.
  - F. 5 1/4" X 2 1/4" SOLID MAHOGANY TOP RAIL - ARCH.
  - G. NOT USED
11. GLASS STOP: 3/8" X 1" SOLID MAHOGANY
12. ASTRAGALS:
  - A. TYPICAL ASTRAGAL: 2" X 4 3/8" PLYWOOD AND MAHOGANY WITH 2 1/4" RABBET ON INACTIVE SIDE AND 2 3/8" RABBET ON ACTIVE SIDE.
  - B. EXTERIOR ASTRAGAL: 3 1/8" X 3/8" SOLID MAHOGANY.
13. WEATHER STRIP:
  - A. 3/8" Q-LON QDS-650.
  - B. PILE WEATHERSTRIPPING: 1/2" FINSEAL WITH 1/8" HIGH PILE.
  - C. MD BUILDING PRODUCTS ALL CLIMATE WEATHERSTRIPPING TAPE #63628.
14. TOP / BOTTOM DOOR GUIDE REINFORCING: 1/8" THK. STAINLESS STEEL.
  - A. TYPICAL 10 1/2" X 1 1/2" AT TOP AND BOTTOM OF EACH DOOR.
  - B. CONTINUOUS REINFORCING FROM THE END OF THE TOP 14A TO 75" FROM THE BOTTOM OF THE DOOR, FASTENED AT 5" O/C WITH PART #21. (REQUIRED AT ARCH-TOP DOORS ONLY).
15. 5/8" X 6" MAHOGANY DOWEL.
16. DOW CORNING 995 SILICONE.
17. 4d X 1 1/4" FINISHING NAIL 1" FROM CORNERS AND SPACED 2 1/2" O.C. FASTENING GLASS STOPS TO PANELS.
18. NOT USED
19. NOT USED
20. No. 10 X 2 1/2" PFHMS (3 PER CORNER). TYP.
21. No. 10 X 2" PFHMS FASTENING REINF. TO DOOR RAIL.
22. No. 10 X 3/4" PFHMS FASTENING STRIKE PLATE TO HEAD AND THRESHOLD. (2 PER PLATE)
23. No. 12 X 3" PFHMS FASTENING STRIKE PLATE TO HEAD/THRESHOLD & BUCK. (SCREWS PENETRATE THROUGH HEAD/THRESHOLD & INTO SUBSTRATE 1 1/2"). 2 PER PLATE.
24. NOT USED
25. NOT USED.
26. No. 10 X 2" PFHMS ASTRAGAL (1" FROM EACH END, BALANCE @ 10" O/C, STAGGERED.)
27. No. 12 X 1" PFHMS FASTENING HINGE TO JAMB (2 PER HINGE)
28. No. 12 X 2 3/4" PFHMS FASTENING HINGE TO JAMB (2 PER HINGE), FASTENERS MUST PENETRATE MIN. 1 1/4" INTO WOOD.
29. No. 12 X 1 1/4" PFHMS FASTENING HINGE TO PANELS. (4 PER HINGES)
30. NOT USED
31. 1/4" X 3 3/4" PFHMS WITH 2 1/4" EMBED INTO WOOD, POSITIONED AS SHOWN ON ELEVATION VIEWS AND SECTIONS
32. No. 12 X 3 1/4" PFHMS 2 1/4" EMBED.
33. NOT USED
34. NOT USED
35. 1/2" X 2 3/4" PFHSDSMS FASTENING JAMBS AND DS MAX 8" O.C. TO MULLION.
36. PERIMETER SEALANT: SIKAFLEX 15 LM.
37. FULL LENGTH 3/4" X 2" X 0.090" ALUMINUM CHANNEL AT THRESHOLD FASTENERS. SEE ANCHOR CONDITIONS ON SHEET 10.
38. WOOD SPECIES: CARAPA GUIANENSIS MAHOGANY.
39. PLYWOOD: CDX PLYWOOD.

## GENERAL NOTES, MAHOGANY OUTSWING ENTRANCE DOORS, LARGE MISSILE IMPACT:

1. THIS APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF IMPACT RESISTANT OUTSWING MAHOGANY DOORS WITH OR WITHOUT DIRECT-SET SIDELITES OR TRANSOMS (SEE SEPARATE MONTECARLO APPROVAL FOR DIRECT-SET FIXED LITES).
- ANY COMBINATION OF SINGLE DOORS, DOUBLE DOORS, AND/OR DIRECT-SET SIDELITES MAY BE MULLED TOGETHER WITH 2x6x1/8" MULLIONS WITH WELDED END PLATES AS SHOWN HEREIN.
2. ALLOWABLE DESIGN PRESSURE: +/-50 PSF
3. ALL GLAZING AS SHOWN IN DETAILS A/2 AND B/2, AND ALL HARDWARE TYPES IN THE MATERIALS LIST TO THE LEFT MAY BE USED IN ANY DOOR CONFIGURATION SHOWN ON SHEET 2 PER DLO LIMITATION.
4. DIRECT-SET TRANSOM (SEE SEPARATE MONTECARLO APPROVAL) MAY BE MULLED OVER X OR XX DOORS ONLY. TRANSOM CANNOT BE USED OVER SIDELITE OR OVER DOOR-SIDELITE ASSEMBLIES. ANY SHAPE DIRECT SET TRANSOM MAY BE USED.
5. THESE DOORS HAVE BEEN DESIGNED AND TESTED TO TAS 201, 202, AND 203 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE PROVISIONS.
6. THIS PRODUCT AS SHOWN HEREIN IS LARGE AND SMALL MISSILE IMPACT RATED, SHUTTERS ARE NOT REQUIRED.
7. 1x OR 2x WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER LOADS TO THE STRUCTURE.
8. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS INDICATED IN THIS APPROVAL. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
9. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
10. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.
11. A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
12. THE MAHOGANY DOORS LISTED IN THIS APPROVAL ARE CONSTRUCTED OF A NATURALLY DURABLE SPECIES IN COMPLIANCE WITH FBC SECT. 2326.2.1. OTHER NATURALLY DURABLE WOOD SPECIES OF EQUAL OR GREATER DENSITY MAY BE SUBSTITUTED FOR ALL WOOD COMPONENTS.
13. COMPOSITE MEMBERS ARE FORMED BY JOINING PIECES AS SHOWN IN PART DRAWINGS WITH TITEBOND II FRANKLIN INTERNATIONAL WOOD GLUE.
14. MEMBERS NOTCHED AS NEEDED TO FIT HARDWARE.
15. ALL HARDWARE SEALED WITH CLEAR GE SILICONE I WINDOW AND DOOR CAULK.
16. WOOD SPECIES: CARAPA GUIANENSIS MAHOGANY.
17. PLYWOOD: CDX PLYWOOD.

ALLOWABLE  
DESIGN PRESSURE:  
+50 / -50 PSF

EXAMPLE ALLOWABLE CONFIGURATIONS AND MAX. LIMIT SIZES (SEE GEN. NOTE 1 ABOVE) SEE SHEETS 3-5 FOR SIZE LIMITATIONS. NOTE: 'X' UNITS ARE ACTIVE OR INACTIVE DOOR PANELS AND MAY SWING LEFT OR RIGHT. 'O' UNITS ARE OPTIONAL DIRECT SET FIXED LITE TRANSOMS OR SIDELITES, NOT PART OF THIS APPROVAL.



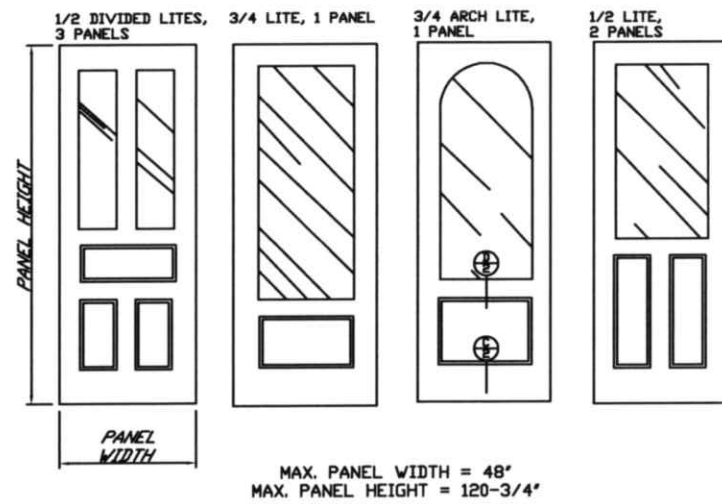
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0814.09  
Expiration Date 04/04/2029  
By Ishag I. Chande  
Miami-Dade Product Control

SCOTT WOLTERS  
(FLPE# 62354)  
WOLTERS ENGINEERING, INC.  
(COA# 27194)  
15211 97TH ROAD N  
WEST PALM BEACH, FL 33412  
SEP 23 2024

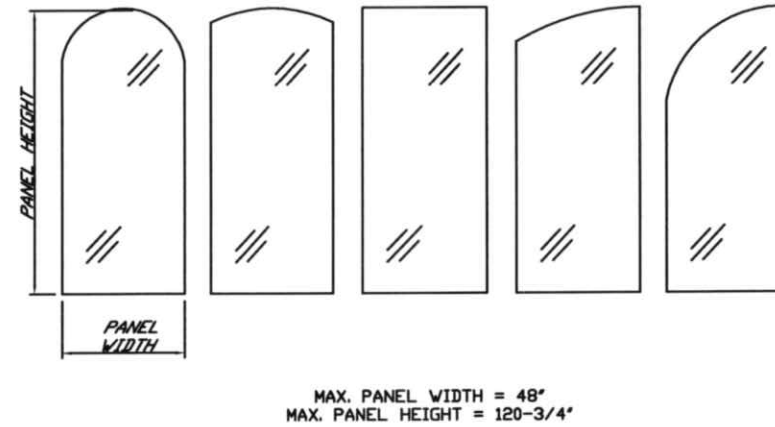
BY	LAT	AVR
DESCRIPTION	DATE	REV.
ORIGINAL RELEASE	10/12/2011	0
SHOW ONLY GLAZING & ADD -G TO TITLE	11/9/2012	1
2023 CODE UPDATE	9/23/24	2
Mahogany Outswing Entrance Doors		
Large Missile Impact		
Montecarlo Doors	4440 PGA Boulevard, Suite 600 Palm Beach Gardens, FL 33410 PHONE: 561.623.5303 FAX: 561.594.1720 www.montecarlodoors.com	
DRAWING #	H582-0907-11-G	
SCALE:	NTS	
SHEET	1 of 10	



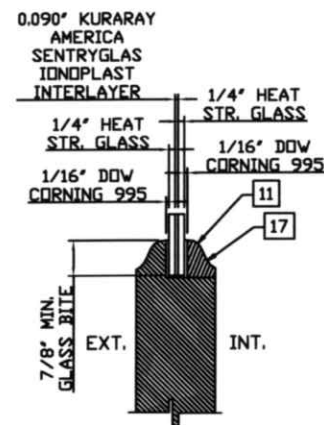
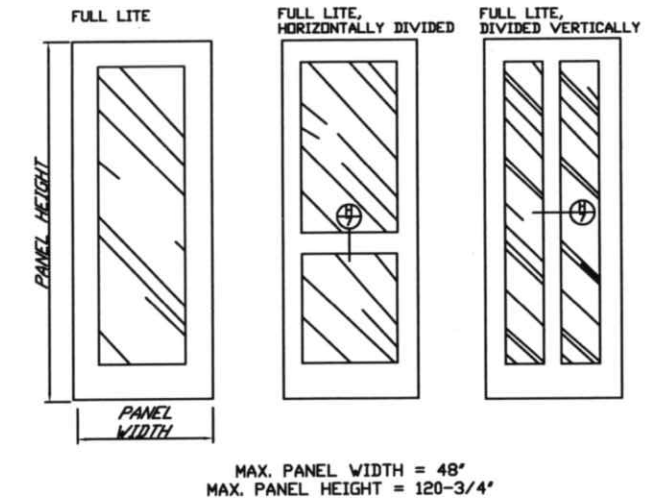
GLAZING / PANEL COMBINATION  
CONFIGURATIONS (TRUE MUNTINS (MID-RAIL)  
USED FOR DIVIDED GLASS LITES)



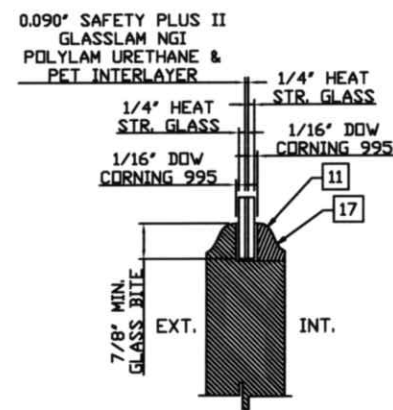
ALLOWABLE DOOR  
PANEL TOP SHAPES:



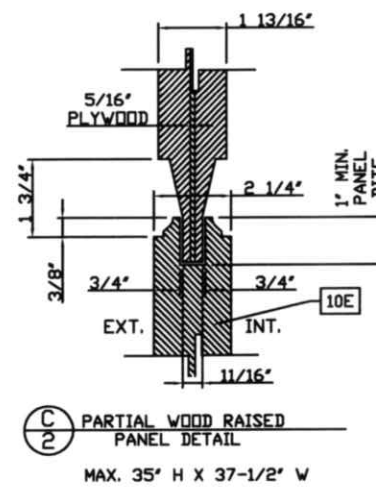
GLAZING COMBINATION CONFIGURATIONS  
(TRUE MUNTINS (MID-RAIL) USED FOR DIVIDED  
GLASS LITES)



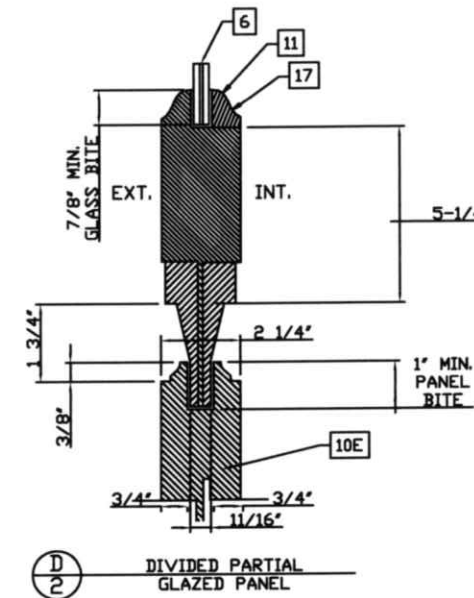
A GLAZING DETAIL  
2 GLAZING OPTION 1



B GLAZING DETAIL  
2 GLAZING OPTION 2



C PARTIAL WOOD RAISED  
2 PANEL DETAIL  
MAX. 35\"/>



D DIVIDED PARTIAL  
2 GLAZED PANEL

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0814.09  
Expiration Date 04/04/2029  
By Ishag I. Chande  
Miami-Dade Product Control

SCOTT WOLTERS  
(FLPE# 62354)  
WOLTERS ENGINEERING, INC.  
(COA# 27194)  
15211 97TH ROAD N.  
WEST PALM BEACH, FL 33412  
SEP 23 2024

Mahogany Outswing Entrance Doors  
Large Missile Impact

**Montecarlo Doors**  
4440 PGA Boulevard, Suite 600  
Palm Beach Gardens, FL 33410  
PHONE: 561.623.5303  
FAX: 561.594.1720  
www.montecarlodoors.com

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H582-0907-11-G

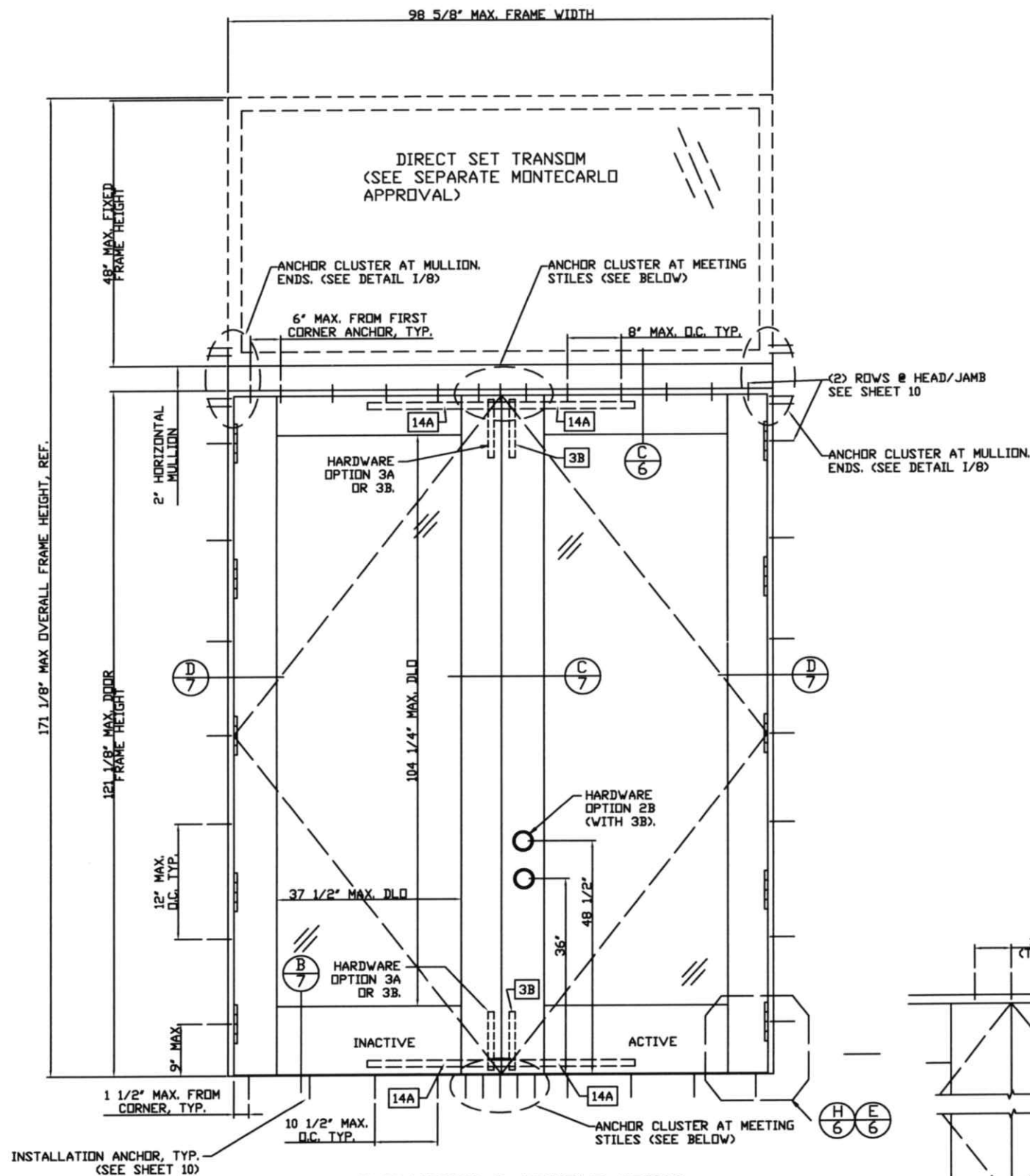
SCALE: NTS

SHEET  
2 of 10

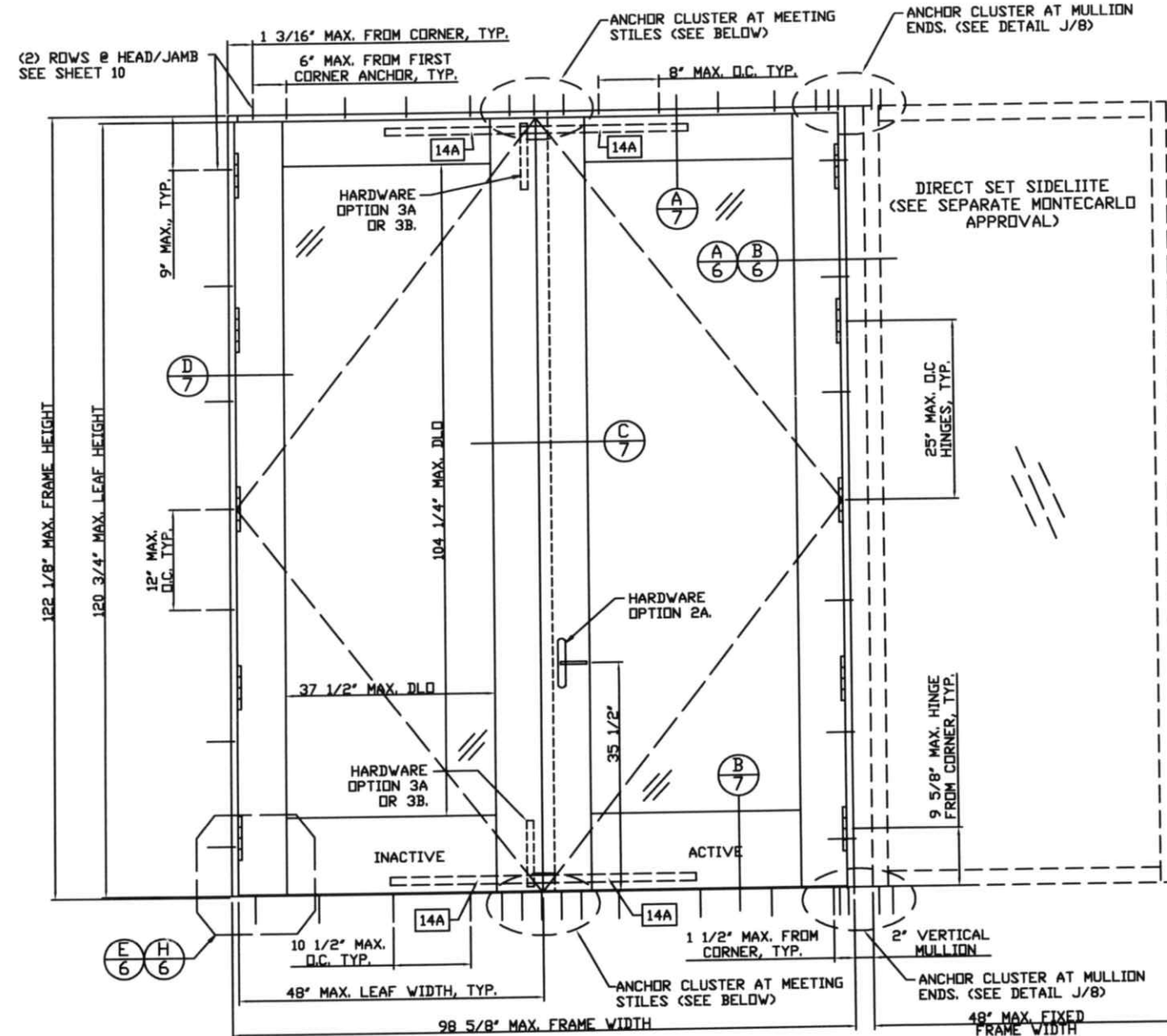
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1	10/12/2011	ORIGINAL RELEASE	LAT



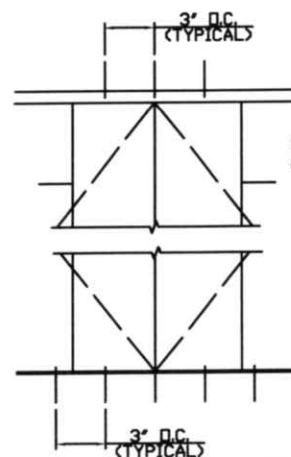
NOTE: EGRESS DOORS MUST MEET FBC REQUIREMENTS TO BE REVIEWED BY BLDG OFFICIAL



**ELEVATION 2: DOUBLE DOORS**  
(WITH OR WITHOUT TRANSOM)  
NOTE: FOR DOOR MAX. SIZES AND SPACINGS SEE ELEVATION 1, THIS SHEET



**ELEVATION 1: DOUBLE DOORS**  
(WITH OR WITHOUT SIDELITES)  
NOTE: MAX. SIZES AND ANCHOR AND HINGE SPACING SHOWN ABOVE TYPICAL TO ALL DOUBLE DOORS.



**ANCHOR CLUSTERS AT MEETING STILES**  
SEE SHEET 10 FOR FASTENER TYPE, SPACING, EMBEDMENT, AND EDGE DISTANCE REQUIREMENTS.

- |            |   |
|------------|---|
| HEAD:      | WOOD - (1) ROW OF (3) TYPE A<br>(1) ROW OF (3) TYPE B |
| CONCRETE - | (2) ROWS OF (2) TYPE C                                |
| CMU -      | (2) ROWS OF (2) TYPE C                                |
| STEEL -    | (2) ROWS OF (2) TYPE D                                |
| ALUMINUM - | (2) ROWS OF (2) TYPE E                                |
| SILL:      | WOOD - (5) TYPE B                                     |
| CONCRETE - | (4) TYPE C  |
| STEEL -    | (4) TYPE D  |
| ALUMINUM - | (4) TYPE E  |

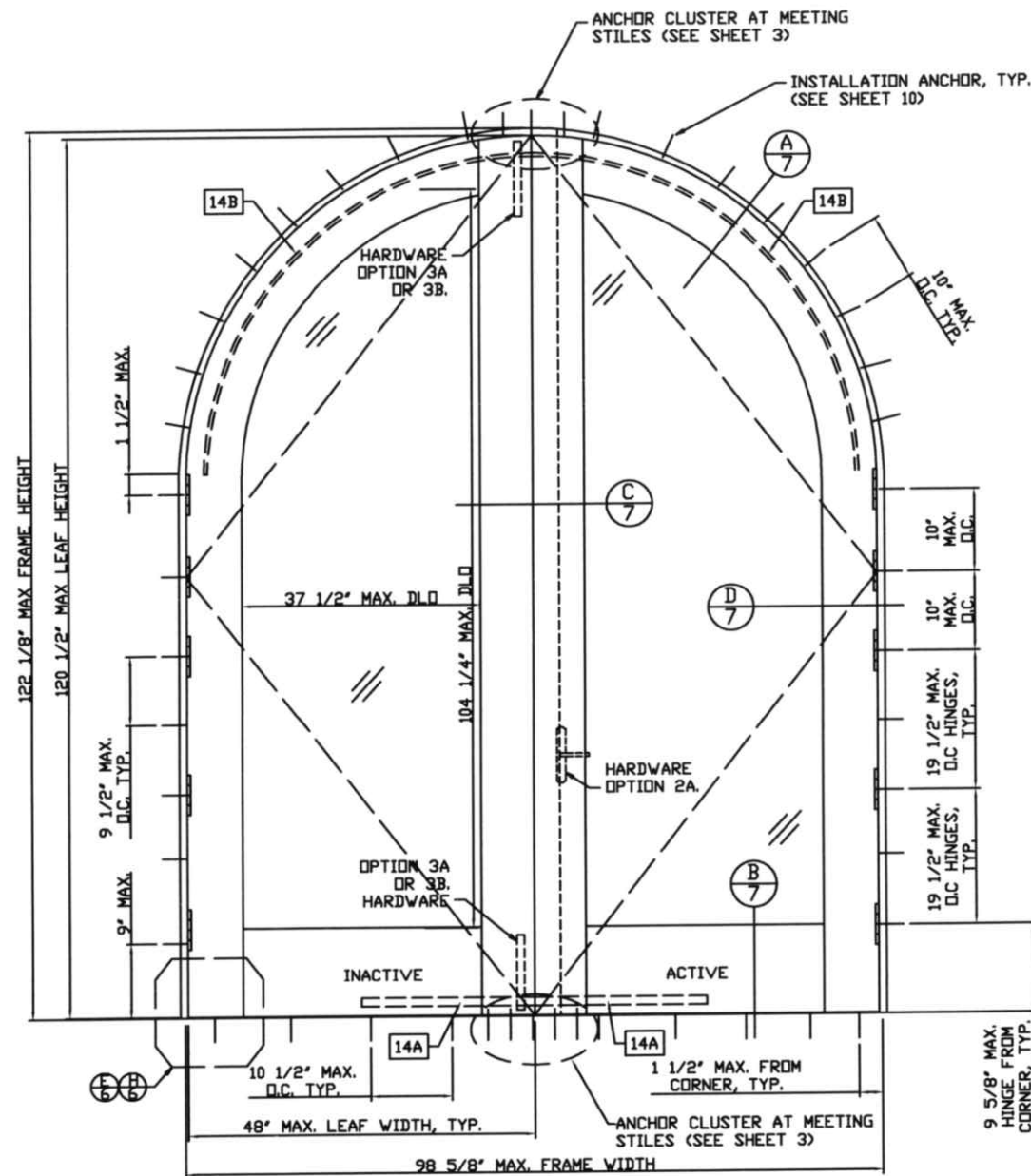
**PRODUCT RENEWED**  
as complying with the Florida  
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NOA-No. 24-0814.09  
Expiration Date 04/04/2029  
By *Ismael L. Chande*  
Miami-Dade Product Control

*Scott Wolters*  
SCOTT WOLTERS  
(FLPE# 62354)  
WOLTERS ENGINEERING, INC.  
(COA# 27194)  
15211 97TH ROAD N  
WEST PALM BEACH, FL 33412  
SEP 23 2024

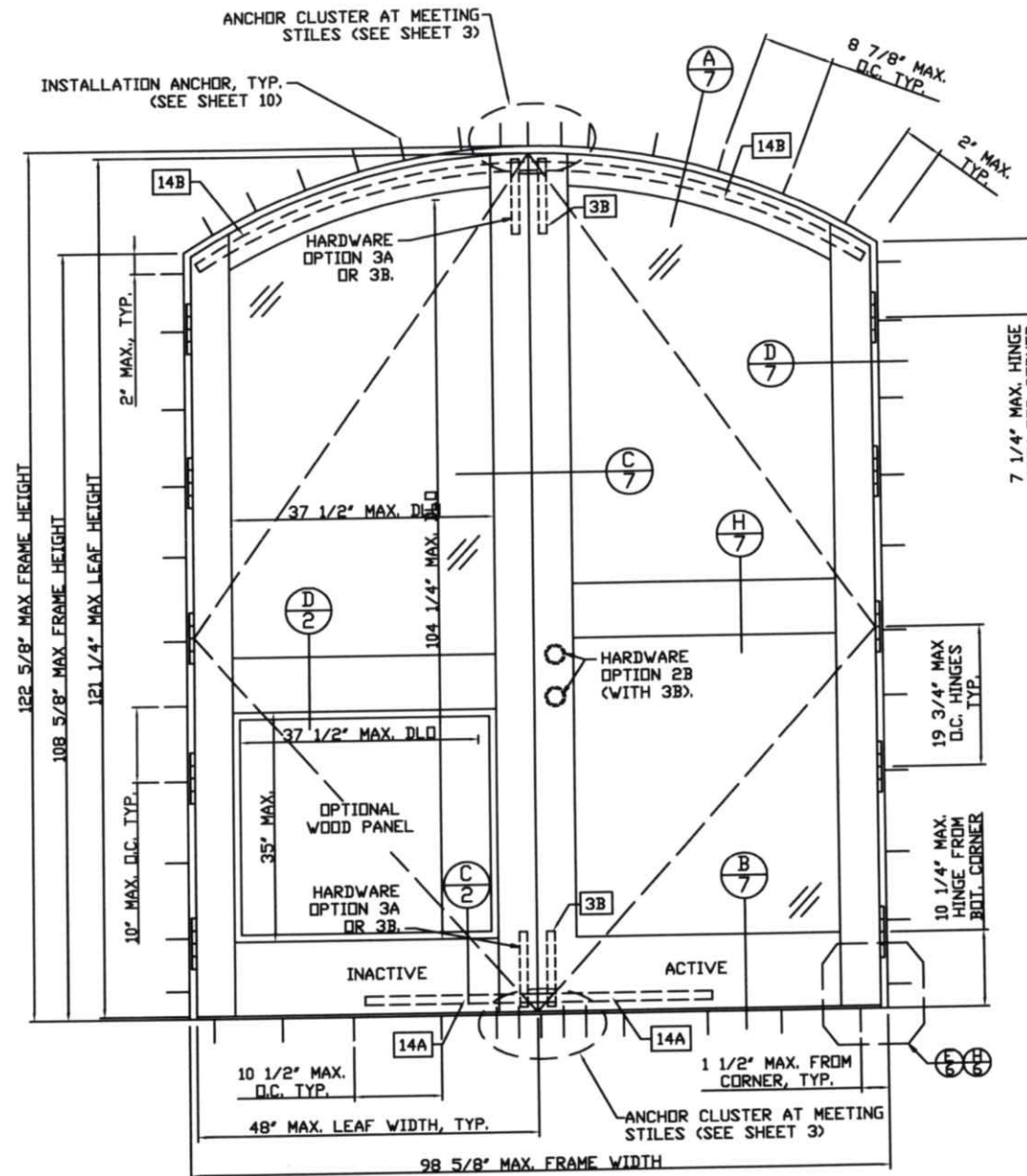
<div><div>Montecarlo Doors</div><div>4440 PGA Boulevard, Suite 600 Palm Beach Gardens, FL 33410 PHONE: 561.623.5303 FAX: 561.594.1720 www.montecarlodoors.com</div></div>			<div><div>Mahogany Outswing Entrance Doors</div><div>Large Missile Impact</div></div>			REV.	DATE	DESCRIPTION
				0	10/12/2011	ORIGINAL RELEASE		
				1	11/9/2012	SHOW ONLY GLAZING & ADD -G TO TITLE		

DRAWING #	
H582-0907-11-G	
SCALE:	NTS
SHEET	
3 of 10	





ELEVATION: DOUBLE DOORS WITH ARCH TOP

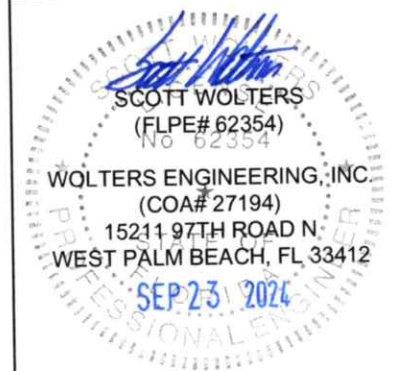


ELEVATION: DOUBLE DOORS WITH EYEBROW TOP  
(MAX. SIZES AND SPACINGS SHOWN TYP. FOR  
SINGLE OR DOUBLE LEAF EYEBROW TOP DOOR)

NOTE: FOR TYP. LOCK/HANDLE LOCATIONS, SEE SHEET 3.

NOTE: EGRESS DOORS MUST MEET FBC REQUIREMENTS TO BE  
REVIEWED BY BLDG OFFICIAL

**PRODUCT RENEWED**  
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Expiration Date 04/04/2029  
By *Ishag I. Chande*  
Miami-Dade Product Control



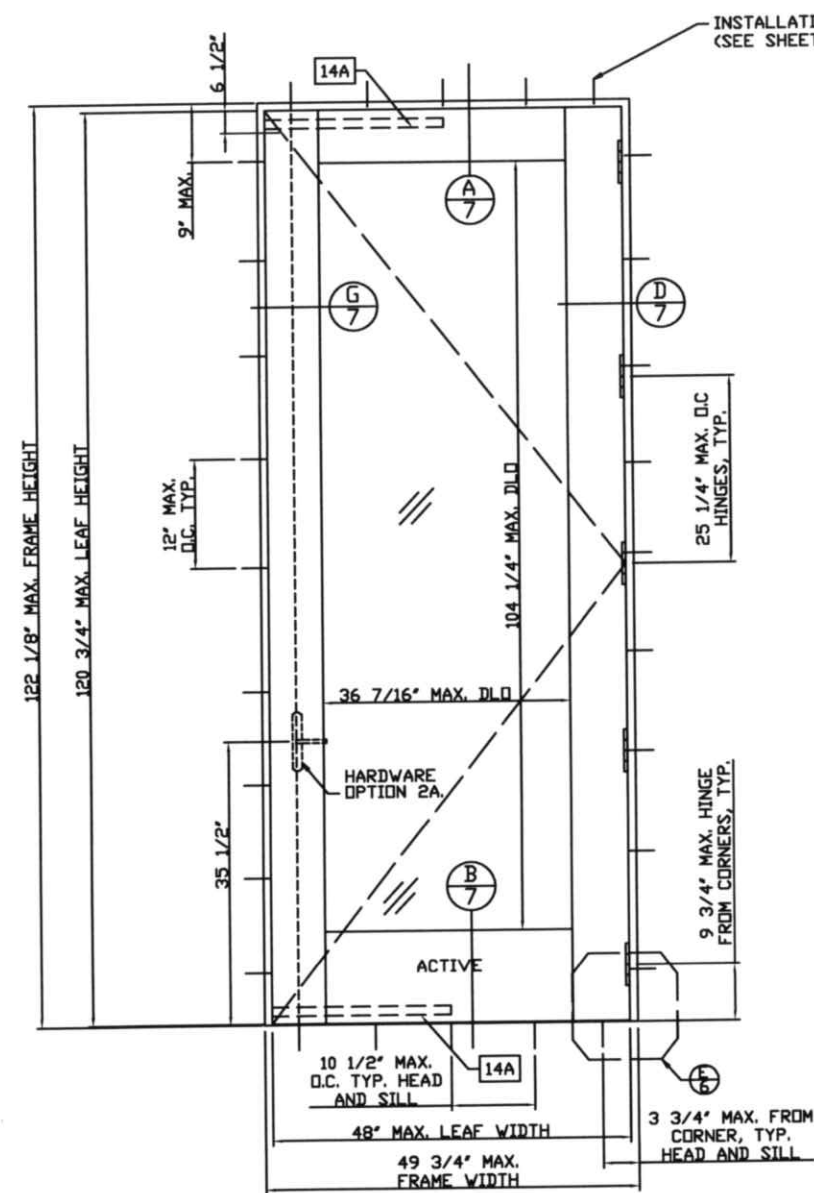
REV.	DATE	DESCRIPTION	BY
0	10/12/2011	ORIGINAL RELEASE	LAT
1	11/9/2012	SHOW ONLY GLAZING & ADD -G TO TITLE	AVR

Mahogany Outswing Entrance Doors	
Large Missile Impact	

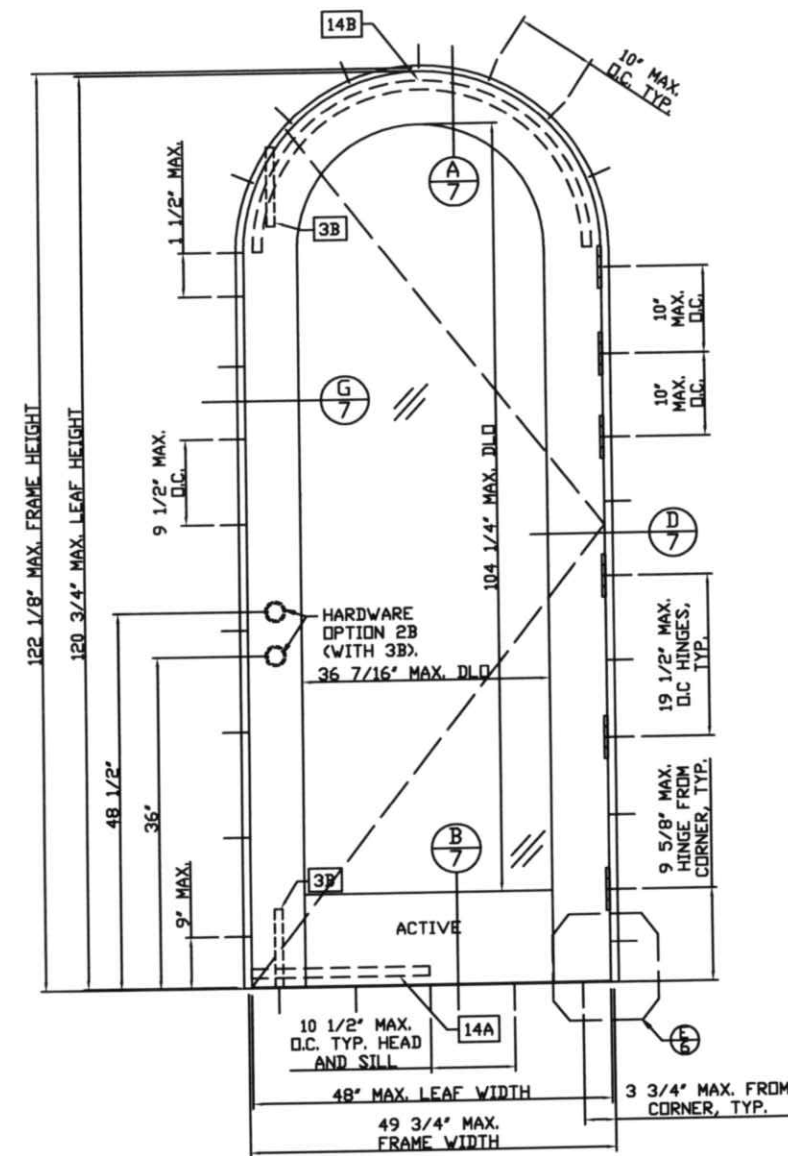
<b>Montecarlo Doors</b> 4440 PGA Boulevard, Suite 600 Palm Beach Gardens, FL 33410 PHONE: 561.623.5303 FAX: 561.594.1720 www.montecarlodoors.com	DRAWING # H582-0907-11-G SCALE: NTS SHEET 4 of 10
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ELEVATION: SINGLE DOOR

NOTE: MAX. SIZES AND ANCHOR AND HINGE SPACING SHOWN ABOVE TYPICAL TO ALL SINGLE DOORS WITH OR WITHOUT DIRECT SET SIDELITES OR TRANSOMS (SEE SHEET 1)

NOTE: EGRESS DOORS MUST MEET FBC REQUIREMENTS TO BE REVIEWED BY BLDG OFFICIAL



ELEVATION: SINGLE DOOR WITH ARCH TOP

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By Ishag I. Chande  
Miami-Dade Product Control



# Mahogany Outswing Entrance Doors

## Large Missile Impact

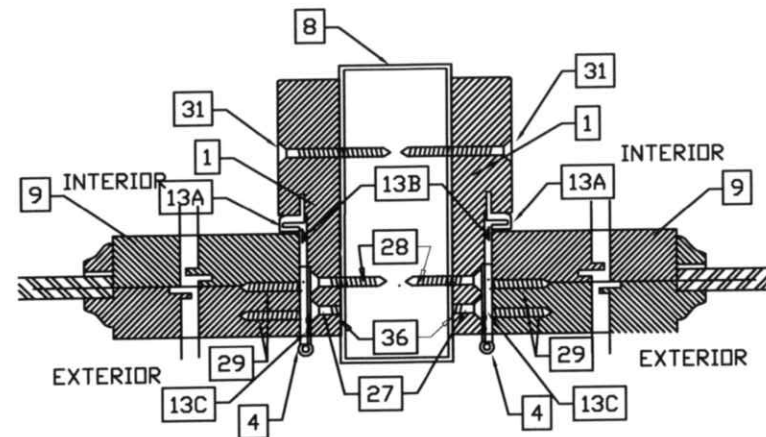
**Montecarlo Doors**  
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DRAWING # H582-0907-11-G  
SCALE: NTS

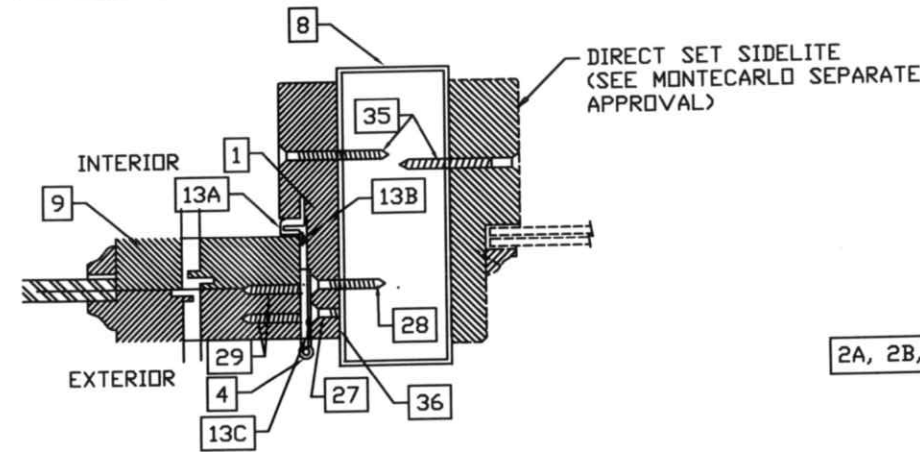
SHEET  
5 of 10

REV.	DATE	DESCRIPTION	BY
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1	11/9/2012	SHOW ONLY GLAZING & ADD -G TO TITLE	AVR

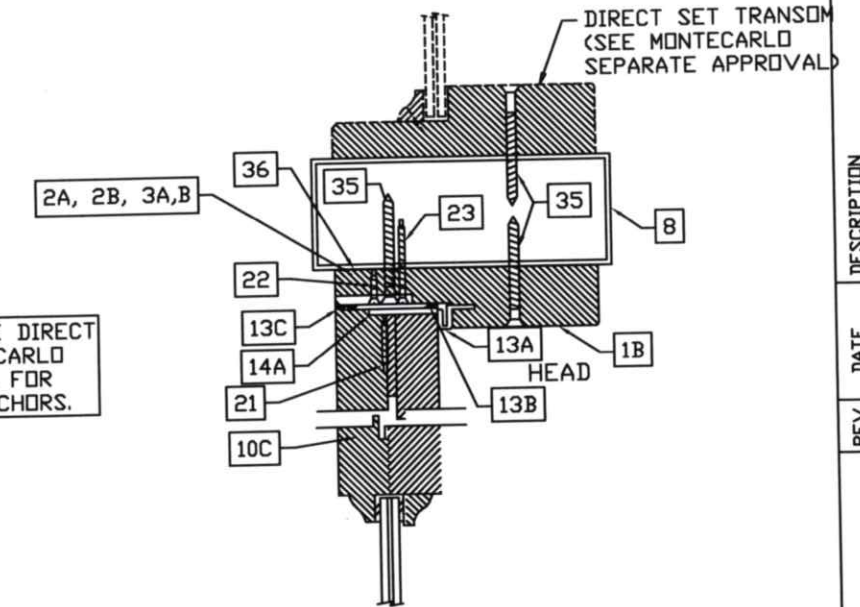




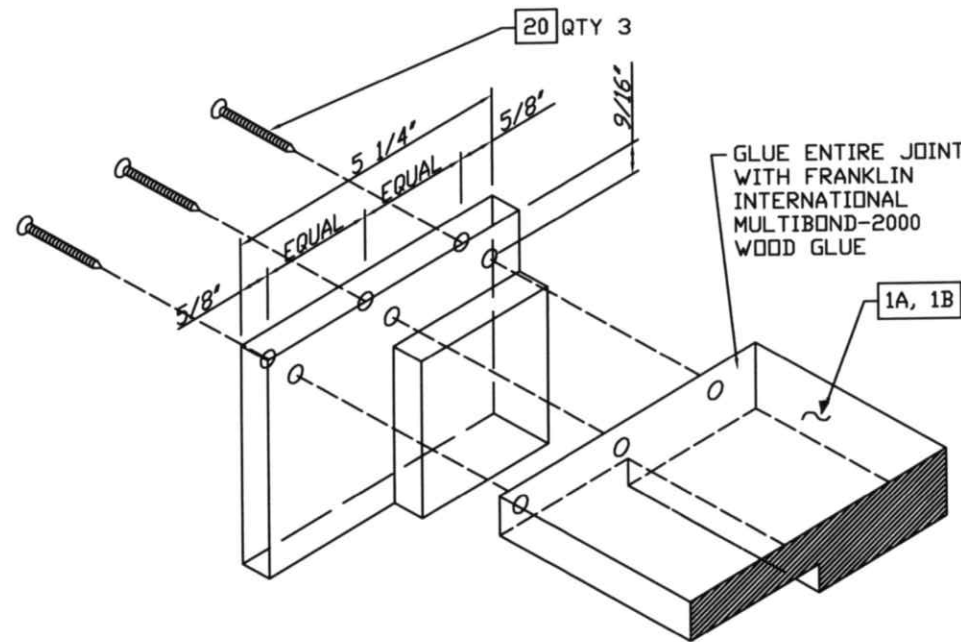
**A**  
6 MULLION DETAIL  
(DOOR-DOOR)



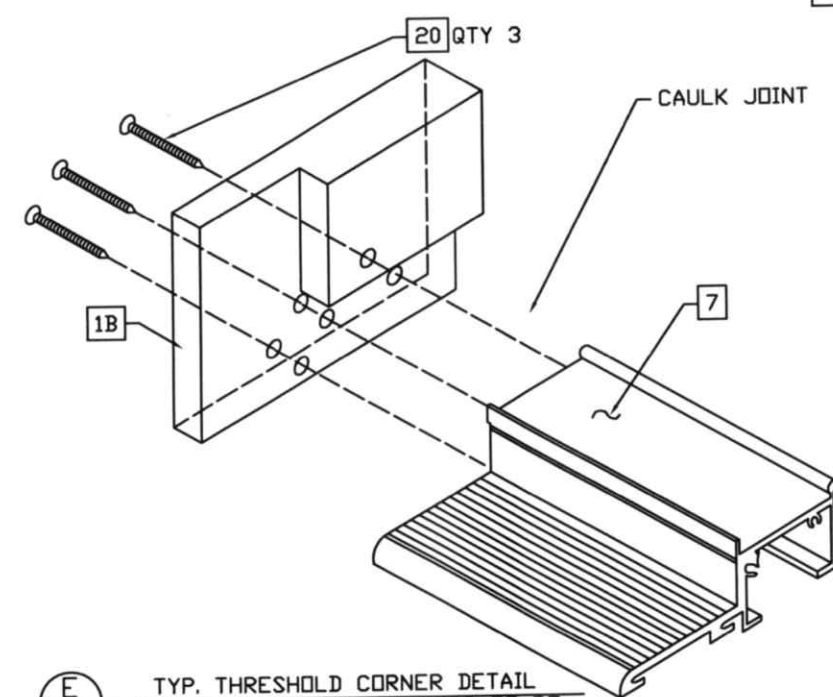
**B**  
6 MULLION DETAIL  
(DOOR-SIDELITE)



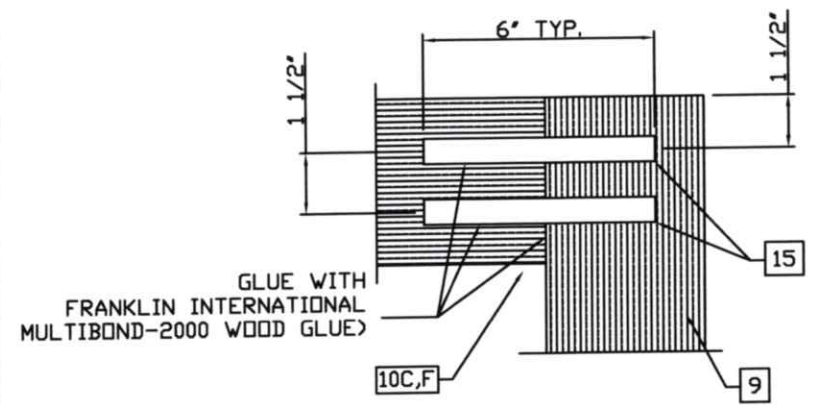
**C**  
6 TRANSOM MULLION  
DETAIL



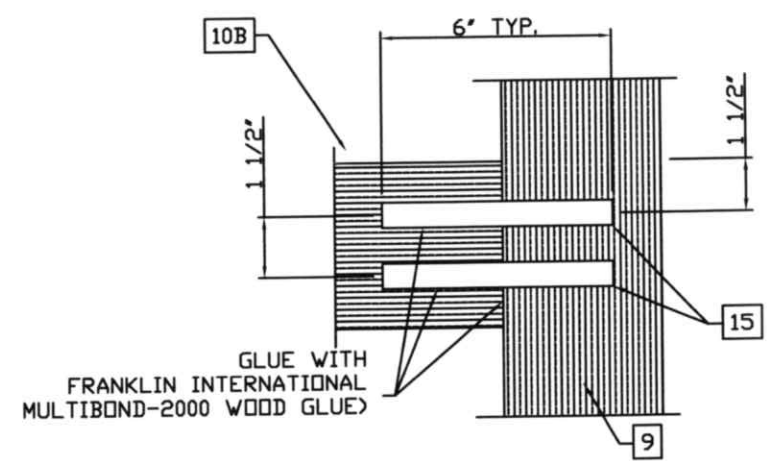
**D**  
6 TYP. FRAME CORNER DETAIL  
(ALL MEETING JAMB MEMBERS TO BE SCREWED AT ALL CORNERS)  
SCALE: NTS



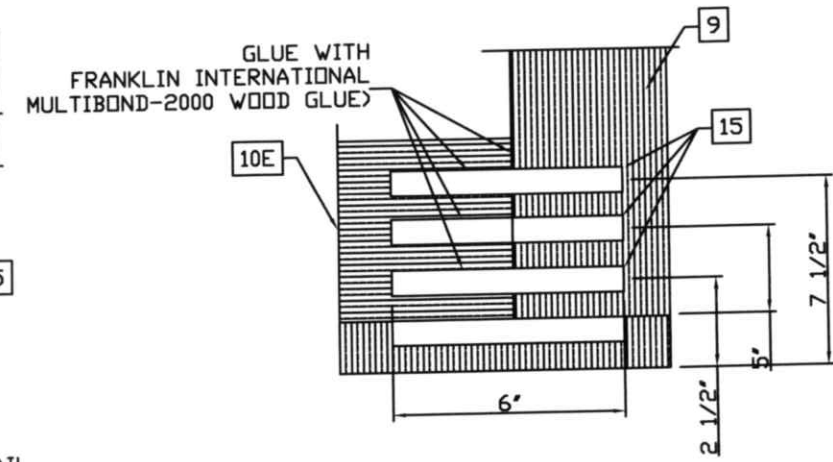
**E**  
6 TYP. THRESHOLD CORNER DETAIL  
(ALL MEETING JAMB MEMBERS TO BE SCREWED AT ALL CORNERS)  
SCALE: NTS



**F**  
6 TYP. TOP RAIL ASSEMBLY DETAIL  
SCALE: NTS



**G**  
6 TYP. MEETING RAIL ASSEMBLY DETAIL  
SCALE: NTS



**H**  
6 TYP. BOTTOM RAIL ASSEMBLY DETAIL  
SCALE: NTS

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

*Scott Walters*  
SCOTT WALTERS  
(FLPE# 62354)  
WALTERS ENGINEERING, INC.  
(COA# 27194)  
1521 197TH ROAD N  
WEST PALM BEACH, FL 33412  
SEP 23 2024

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1	11/9/2012	SHOW ONLY GLAZING & ADD -G TO TITLE			
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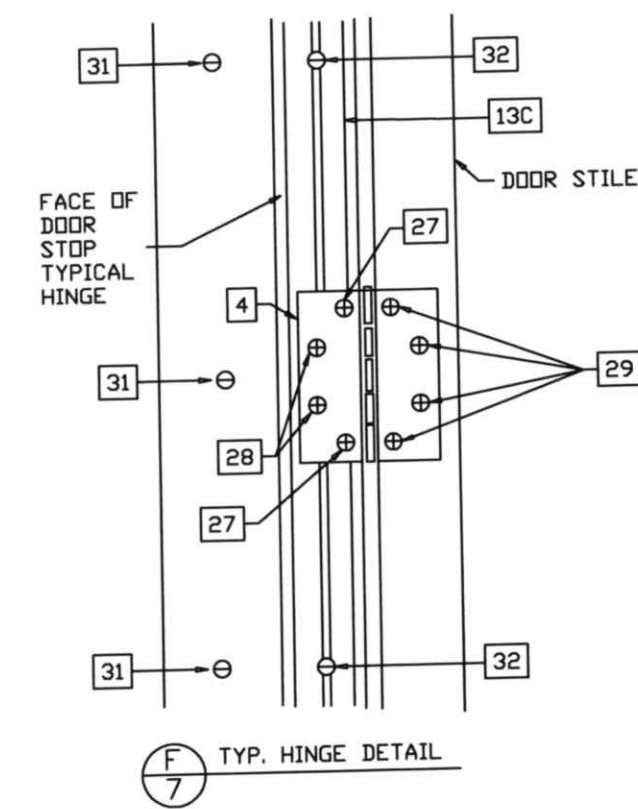
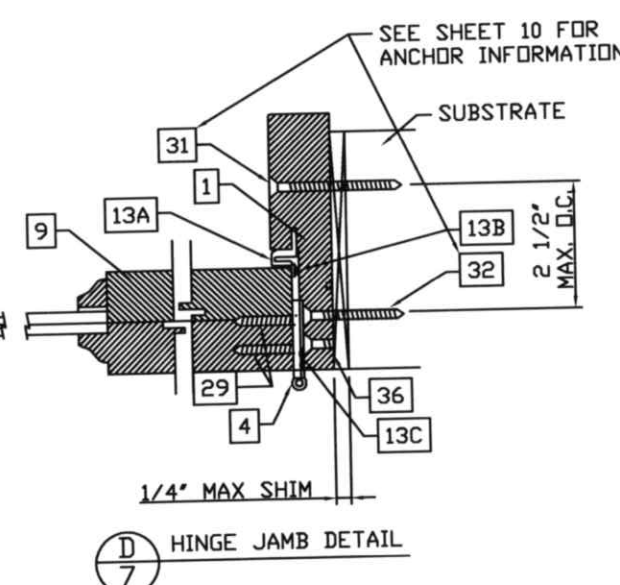
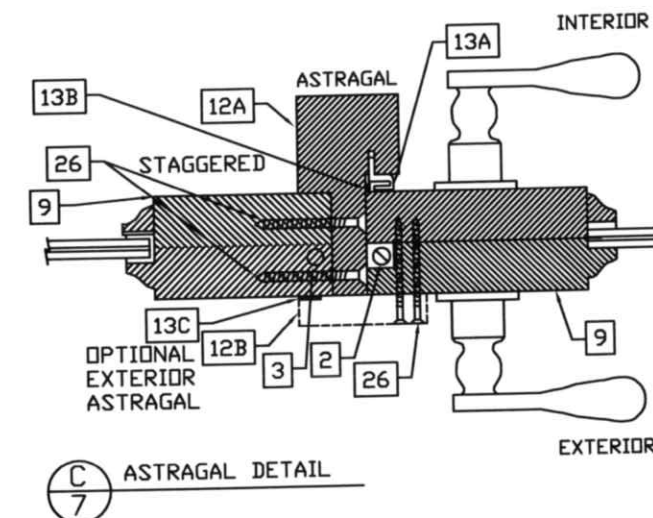
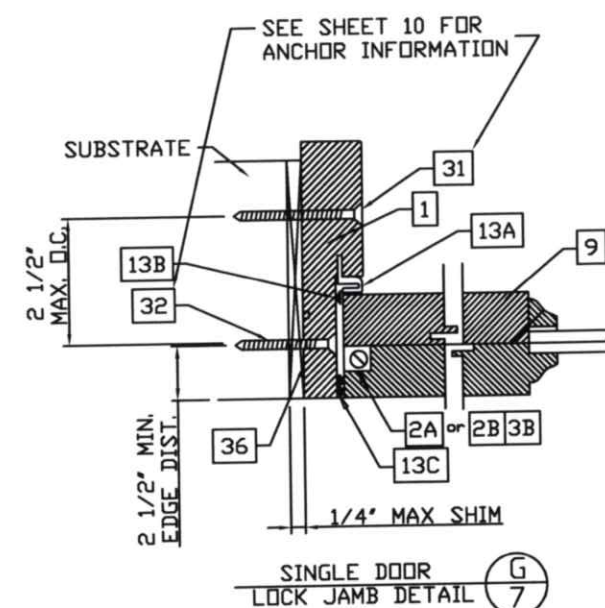
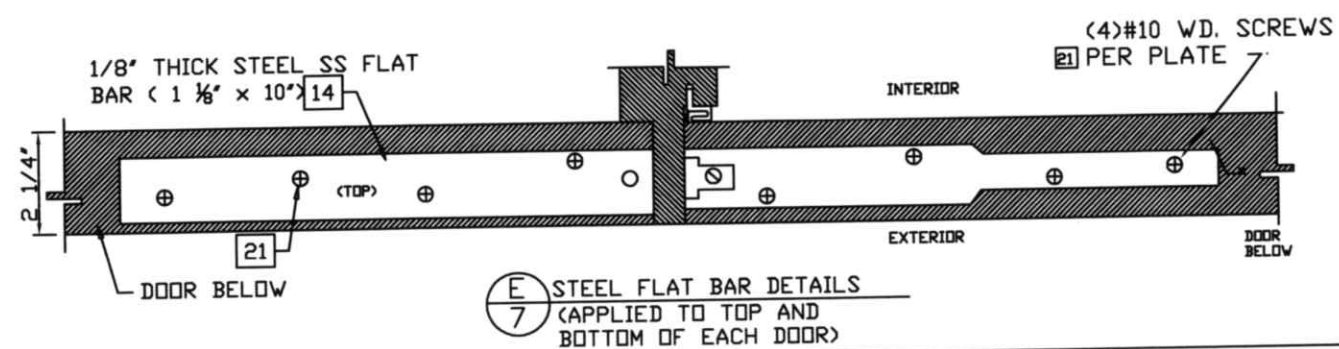
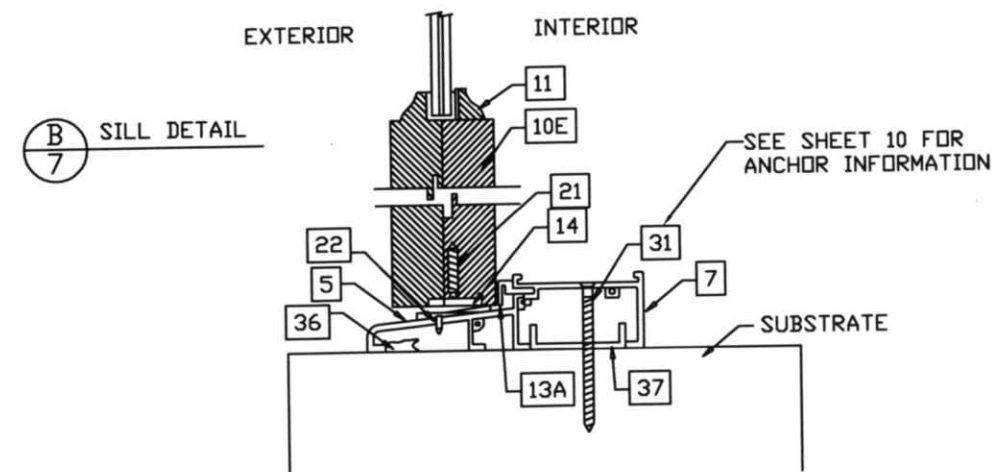
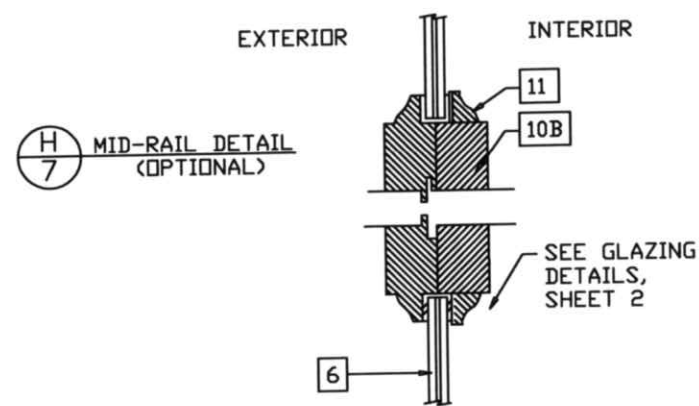
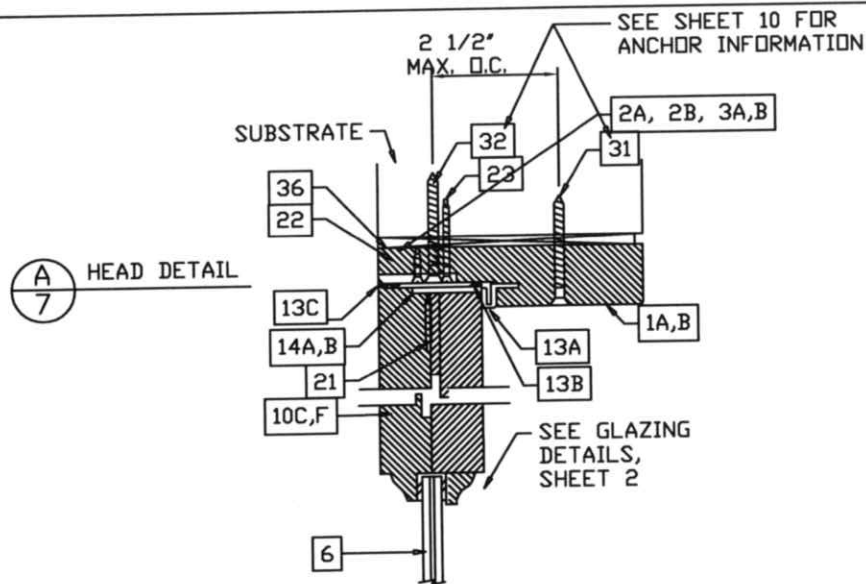
**DRAWING #**  
H582-0907-11-G

**SCALE:** NTS

**SHEET**  
6 of 10

**Mahogany Outswing Entrance Doors**  
**Large Missile Impact**





**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0814.09  
Expiration Date 04/04/2029  
By *Ishaq I. Chanda*  
Miami-Dade Product Control

SCOTT WOLTERS  
(FLPE# 62354)  
WOLTERS ENGINEERING, INC.  
(COA# 27194)  
15211 97TH ROAD N  
WEST PALM BEACH, FL 33412  
SEP 23 2024

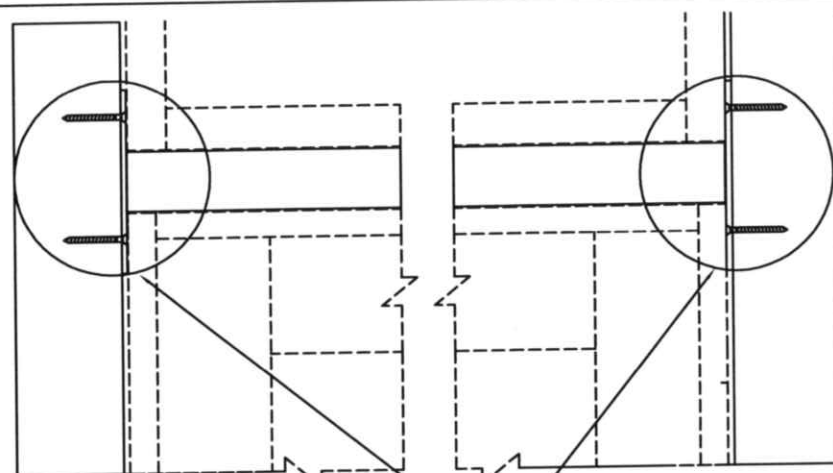
BY	DATE	DESCRIPTION	REV.	DATE	DESCRIPTION
LAT	10/12/2011	ORIGINAL RELEASE	0		
AVR	11/9/2012	SHOW ONLY GLAZING & ADD -G TO TITLE	1		

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Palm Beach Gardens, FL 33410  
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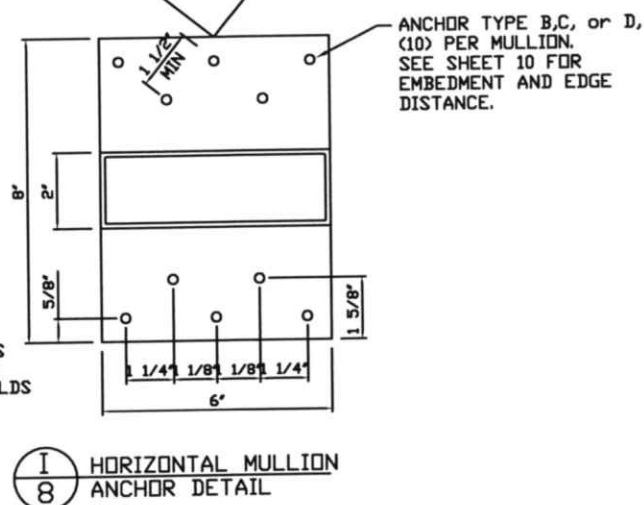
**MAHOGANY OUTSWING ENTRANCE DOORS**  
Large Missile Impact

DRAWING # H582-0907-11-G  
SCALE: NTS  
SHEET 7 of 10

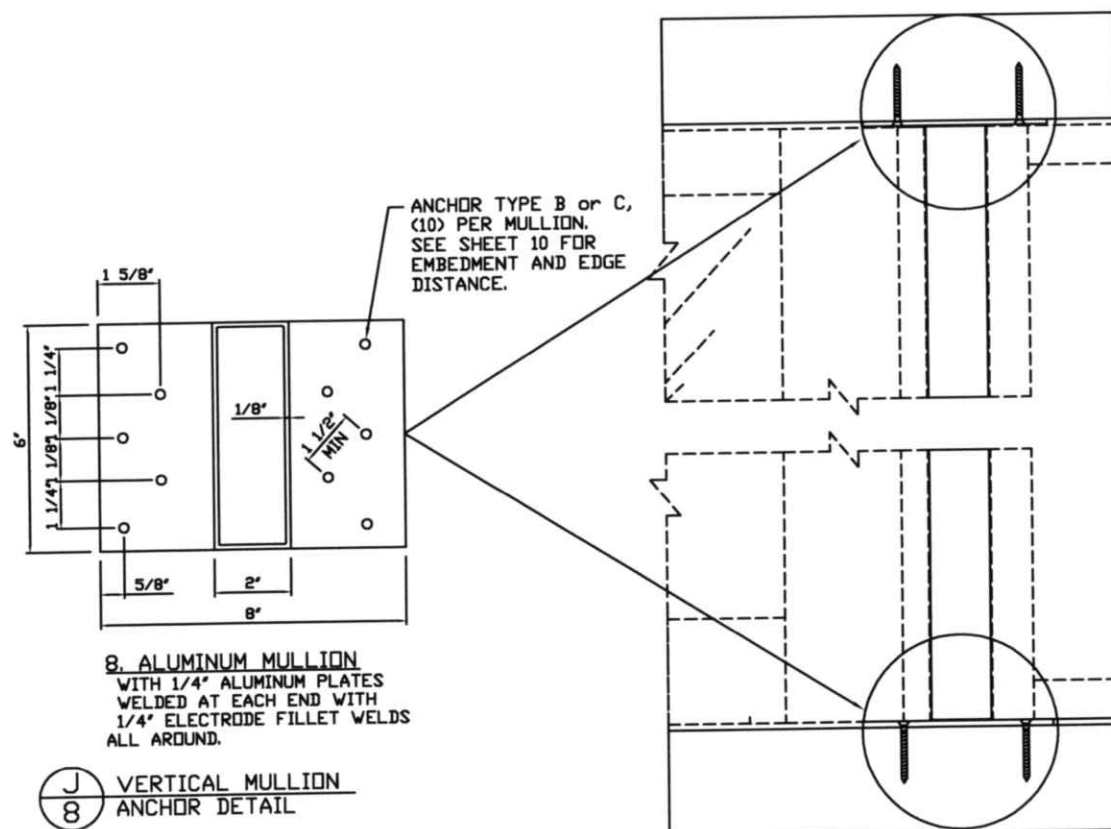




8. ALUMINUM MULLION  
WITH 1/4" ALUMINUM PLATES  
WELDED AT EACH END WITH  
1/4" ELECTRODE FILLET WELDS  
ALL AROUND.



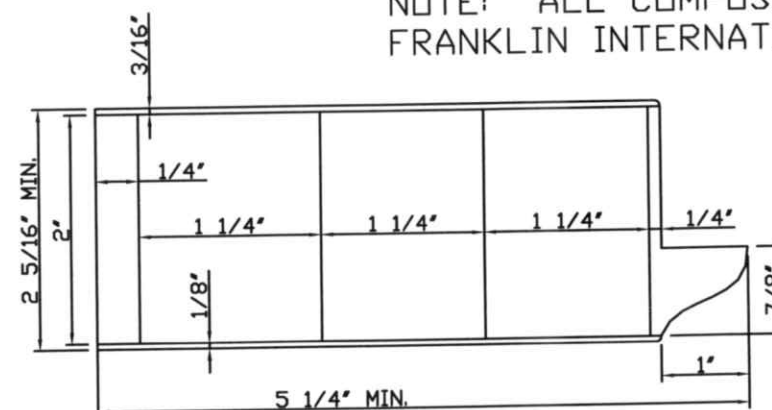
1  
8 HORIZONTAL MULLION  
ANCHOR DETAIL



8. ALUMINUM MULLION  
WITH 1/4" ALUMINUM PLATES  
WELDED AT EACH END WITH  
1/4" ELECTRODE FILLET WELDS  
ALL AROUND.

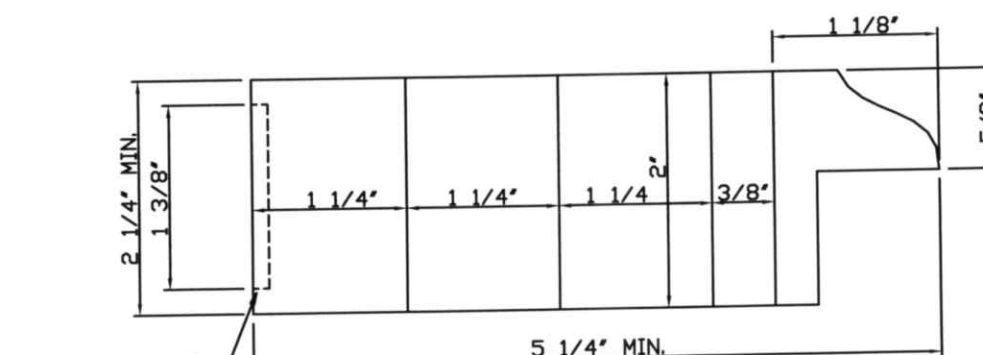
J  
8 VERTICAL MULLION  
ANCHOR DETAIL

NOTE: ALL COMPOSITE PARTS ARE CONSTRUCTED WITH TITEBOND II  
FRANKLIN INTERNATIONAL WOOD GLUE

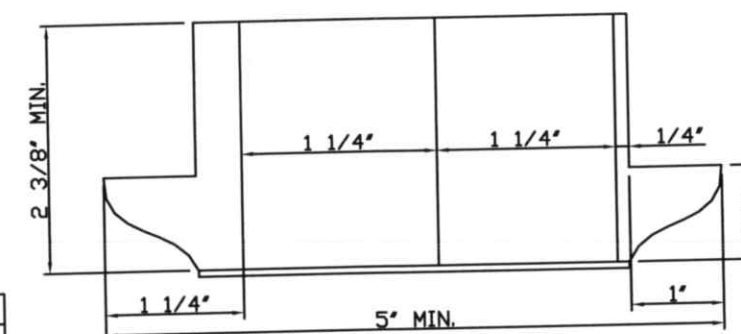


9. TYPICAL STILE  
(COMPOSITE MAHOGANY)

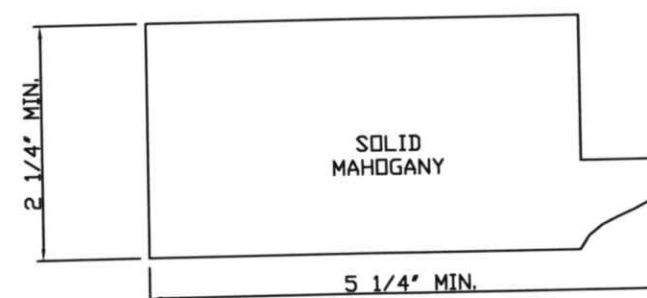
WOOD PROPERTIES	
MAHOGANY	
Min. E	= 1.9x10 <sup>6</sup> Psi
Min. Fy	= 15,500 Psi
Min. S.G.	= 0.56
PLYWOOD	
Min. E	= 1.1x10 <sup>6</sup> Psi
Min. Fy	= 5,700 Psi
Min. S.G.	= 0.53



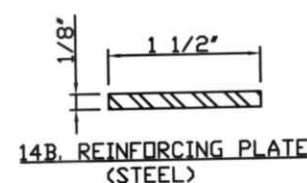
10C. TOP RAIL  
(COMPOSITE MAHOGANY)



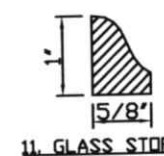
10B. MEETING RAIL/INT. STILE  
(COMPOSITE MAHOGANY)



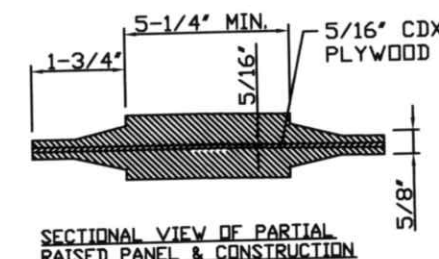
10F. TOP RAIL - ARCH



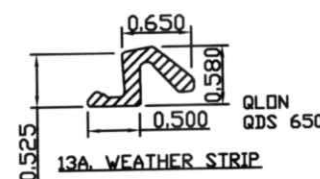
14B. REINFORCING PLATE  
(STEEL)



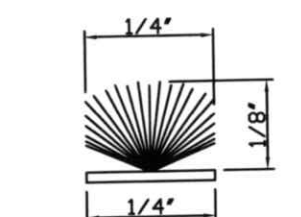
11. GLASS STOP



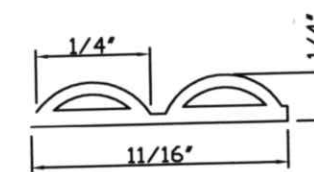
SECTIONAL VIEW OF PARTIAL  
RAISED PANEL & CONSTRUCTION



13A. WEATHER STRIP

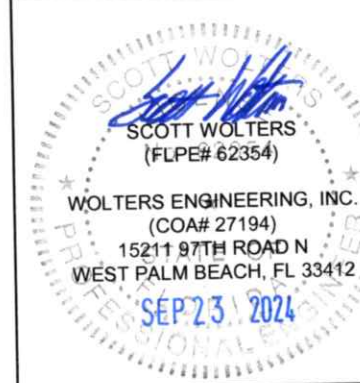


13B. PILE WEATHERSTRIPPING



13C. MD BUILDING PRODUCTS  
ALL CLIMATE  
WEATHERSTRIPPING  
TAPE #63628 (EPDM)

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Miami-Dade Product Control



**Mahogany Outswing Entrance Doors**  
Large Missile Impact

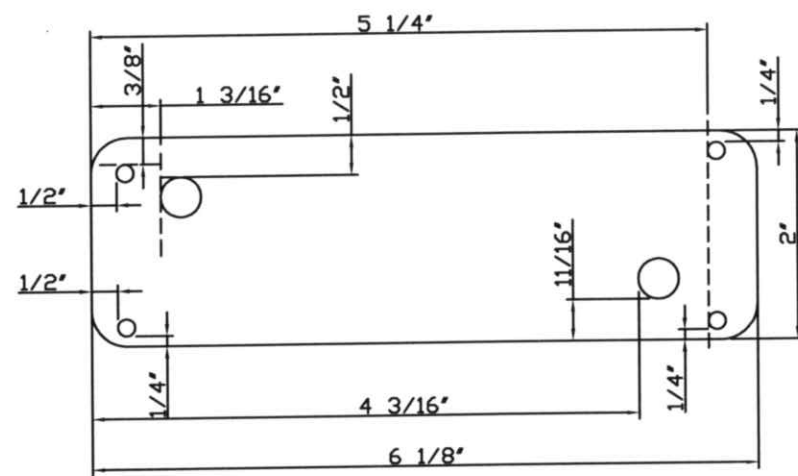
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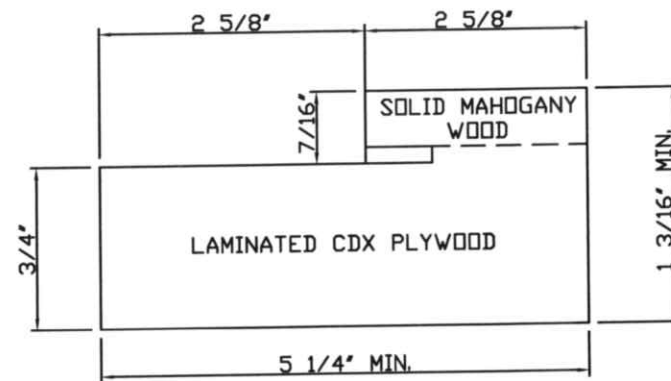
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SHEET  
8 of 10





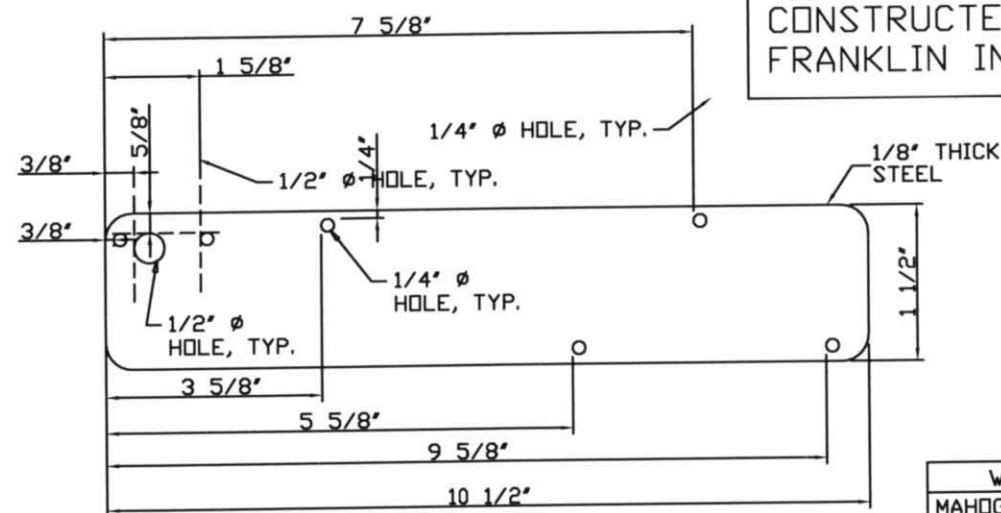
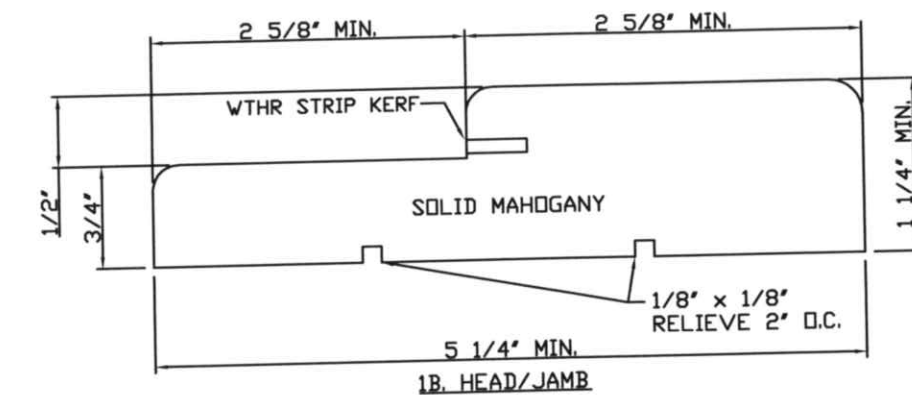
5. 1/8" STEEL STRIKE PLATES AT HEAD & THRESHOLD  
PAIR OF DOORS - QTY: 2  
SINGLE DOOR - QTY: 2



1A. HEAD FOR ARCH TOP AND EYEBROW

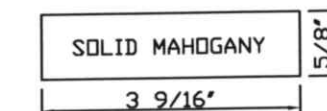
EXTERIOR

INTERIOR



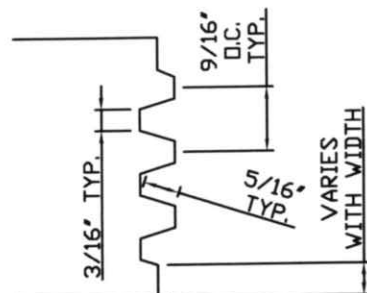
14A. TYPICAL TOP/BOTTOM DOOR GUIDE REINFORCING  
2 PER DOOR LEAF, 1 @ TOP, 1 @ BOTTOM

NOTE: ALL COMPOSITE PARTS ARE  
CONSTRUCTED WITH TITEBOND II  
FRANKLIN INTERNATIONAL WOOD GLUE

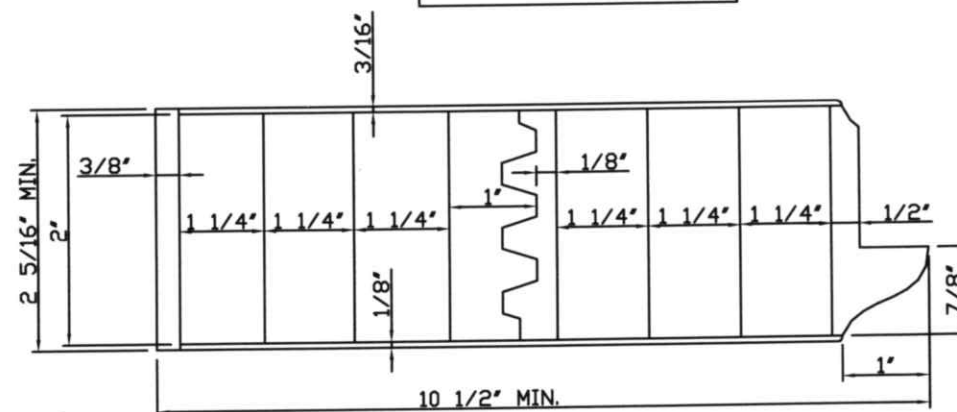


12B. EXTERIOR ASTRAGAL

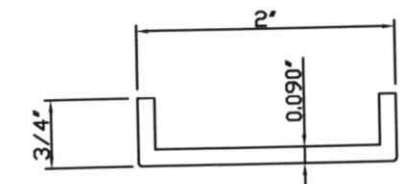
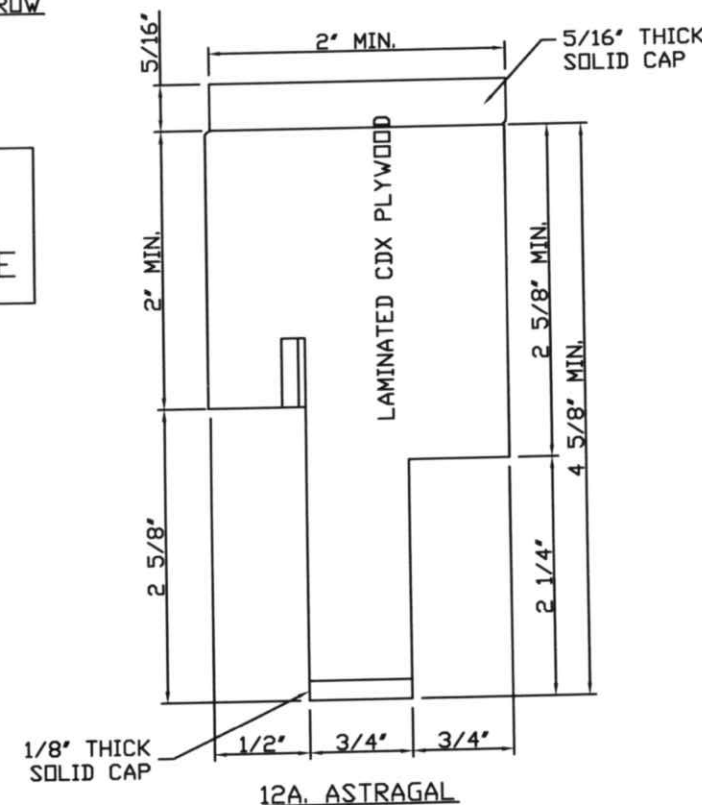
WOOD PROPERTIES	
MAHOGANY	
Min. E	= 1.9x10 <sup>6</sup> Psi
Min. Fy	= 15,500 Psi
Min. S.G.	= 0.56
PLYWOOD	
Min. E	= 1.1x10 <sup>6</sup> Psi
Min. Fy	= 5,700 Psi
Min. S.G.	= 0.53



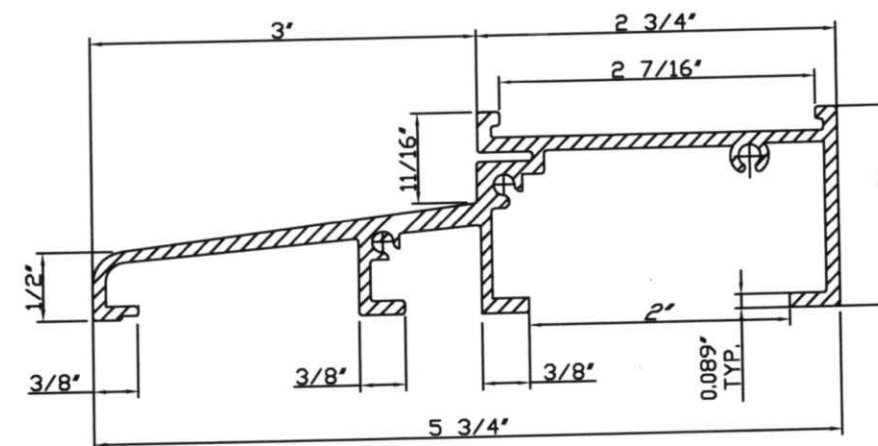
FINGER JOINT DETAIL



10E. TYPICAL BOTTOM RAIL  
(COMPOSITE MAHOGANY)



37. ALUMINUM CHANNEL



7. ALUMINUM THRESHOLD  
(6063-T5)

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0814.09  
Expiration Date 04/04/2029  
By Isaac I. Chan  
Miami-Dade Product Control

SCOTT WOLTERS  
(FLPE# 62354)  
WOLTERS ENGINEERING, INC.  
(COA# 27194)  
15231 97TH ROAD N  
WEST PALM BEACH, FL 33412  
SEP 23 2024

Mahogany Outswing Entrance Doors  
Large Missile Impact

**Montecarlo Doors**  
4440 PGA Boulevard, Suite 600  
Palm Beach Gardens, FL 33410  
PHONE: 561.623.5303  
FAX: 561.594.1720  
www.montecarlodoors.com

DRAWING #  
H582-0907-11-G

SCALE: NTS

SHEET  
9 of 10

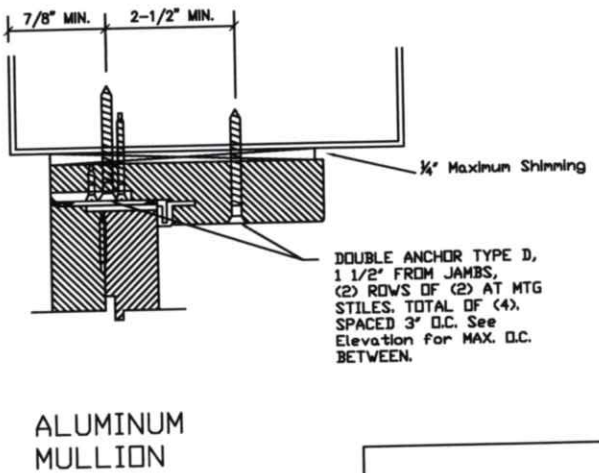
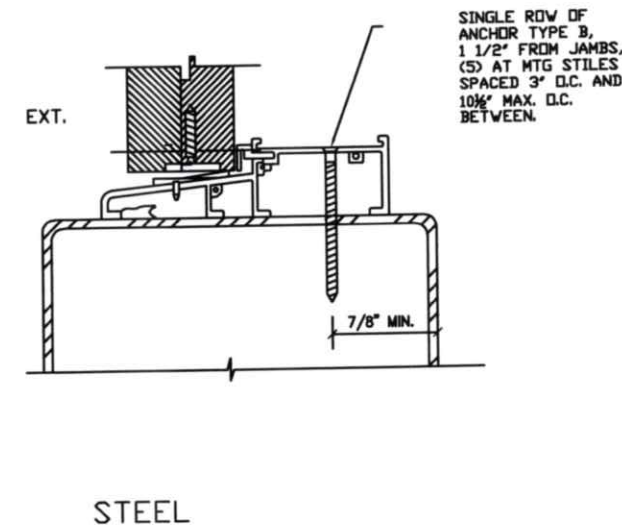
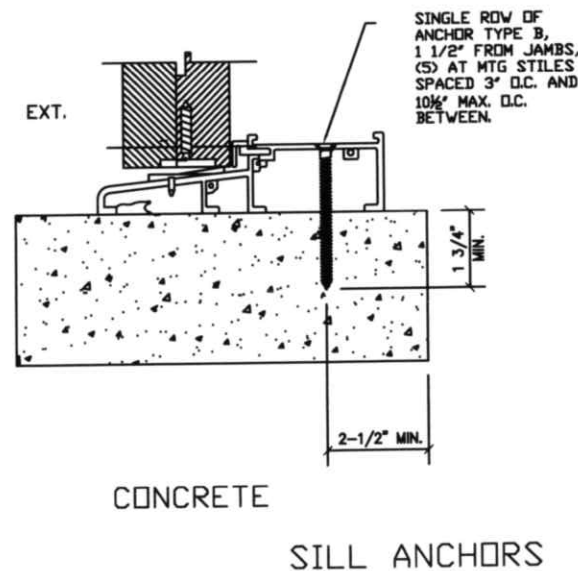
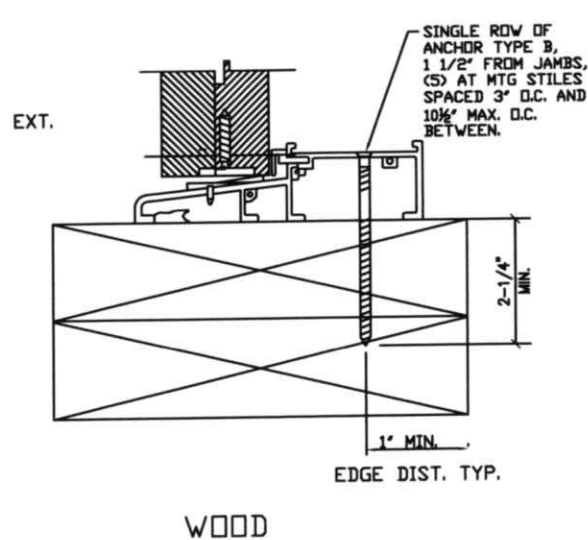
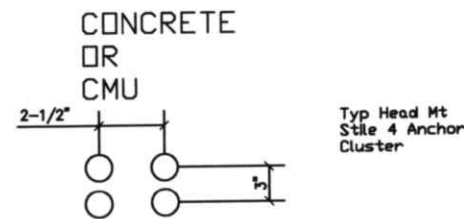
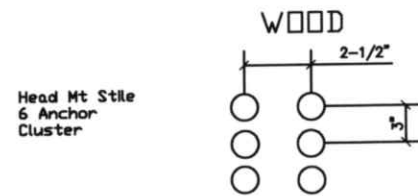
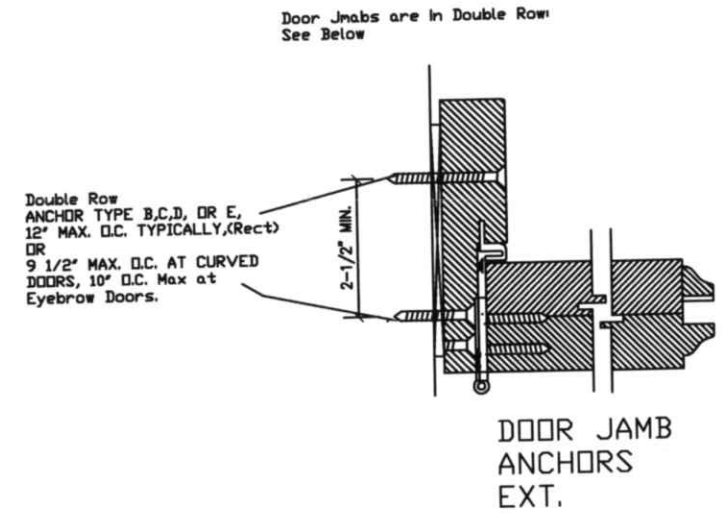
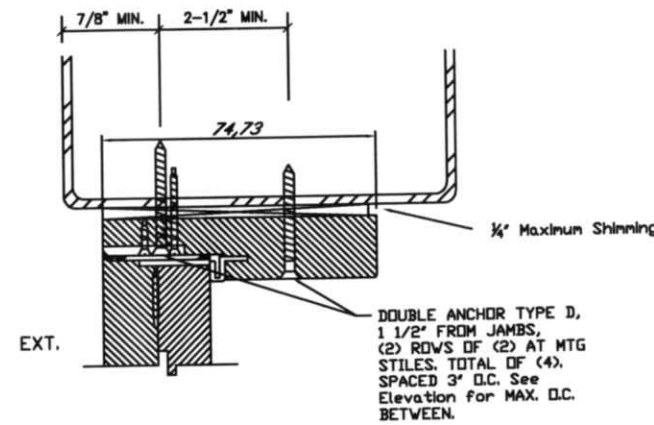
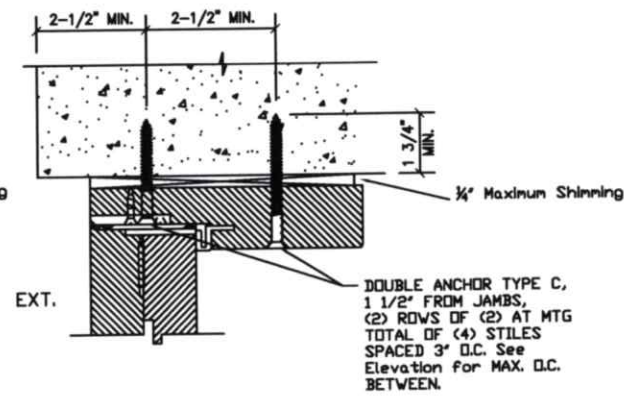
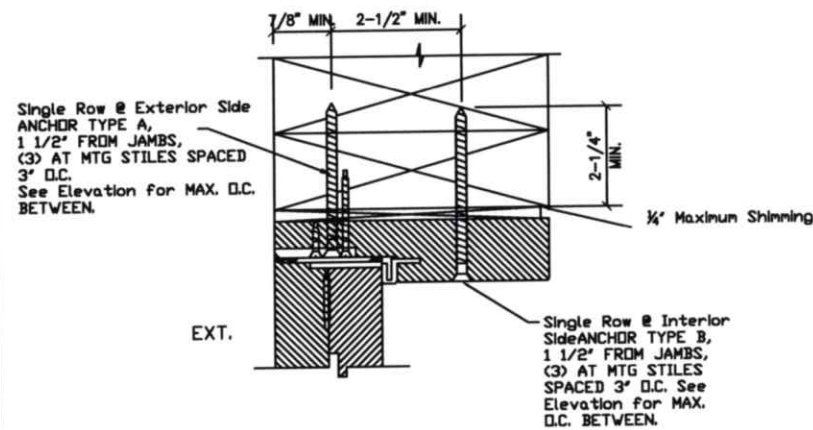
REV.	DATE	DESCRIPTION	BY
0	10/12/2011	ORIGINAL RELEASE	LAT
1	11/9/2012	SHOW ONLY GLAZING & ADD -G TO TITLE	AVR



## TYPICAL ANCHORS

WOOD (2 1/4" MIN.)	- TYPE A -	#12 X 3-3/4" PFHMS WITH 2-1/4" EMBEDMENT AND 7/8" EDGE DISTANCE.
WOOD (2 1/4" MIN.)	- TYPE B -	1/4" X 3-3/4" PFHMS WITH 2-1/4" EMBEDMENT AND 1" EDGE DISTANCE.
CONCRETE (3000 PSI MIN.)	- TYPE C -	1/4" DIA. FH ITW TAPCON OR DEWALT ULTRACON DIRECTLY INTO CONCRETE OR THRU WOOD BUCK INTO CONCRETE WITH 1-3/4" MIN. EMBEDMENT AND 2-1/2" MIN. EDGE DISTANCE.
CMU (ASTM 90)	- TYPE C -	1/4" DIA. FH ITW TAPCON OR DEWALT ULTRACON DIRECTLY INTO GROUT FILLED CMU OR THRU WOOD BUCK INTO CMU WITH 1-3/4" MIN. EMBEDMENT AND 2-1/2" MIN. EDGE DISTANCE.
STEEL (16 Ga 33 KSI MIN.)	- TYPE D -	1/4" DIA. FH F-TYPE (GR. 5) THREAD FORMING SCREW WITH FULL EMBEDMENT AND 1/2" MIN. EDGE DISTANCE.
ALUM TUBE MULLION (1/8" MIN, 6063-T5)	- TYPE E -	1/4" DIA. FH SHEET METAL SCREW WITH FULL EMBEDMENT AND 1/2" MIN. EDGE DISTANCE.

## TYPICAL ANCHOR CONDITIONS



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