



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 Fixed glazed Wood Windows-L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. H582-0907-11, titled "Mahogany Direct Sets (L.M.I.)", sheets 1 through 5 of 5, dated APR 04, 2013, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

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

**Limitations:**

1. Fixed Windows may be mullied (See sheet 2) to Montecarlo Doors (under separate approvals) as Transom or Sidelites, lower design pressure of Fixed Transom or Fixed Sidelites or Doors may control.
2. Glazing type G2 is limited to max DLO: 44-3/4" W X 95-1/4"H

**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 consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



8  
 4/5/13

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's parts drawings and sections.
2. Drawing No. **H582-0907-11**, titled "Mahogany Direct Sets (L.M.I.)", sheets 1 through 5 of 5, dated APR 04, 2013, prepared by Wolters Engineering Inc., signed and sealed by Scott Wolters, P. E.

**B. TESTS**

1. Test reports on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) 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, direct set shaped glazed wood Fixed Windows and Half Round and Arch shapes double opaque/glazed doors , 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.

**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.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 12-0509.03

Expiration Date: April 04, 2018

Approval Date: April 04, 2013

GENERAL NOTES, MAHOGANY DIRECT SET FIXED LITES, LARGE MISSILE IMPACT:

- THIS APPROVAL APPLIES TO SINGLE (O) IMPACT RESISTANT DIRECT SET FIXED LITE WINDOWS USED AS STAND-ALONE PRODUCTS OR AS TRANSOMS/SIDELITES WITH DOORS (SEE SEPARATE MONTECARLO APPROVAL FOR DOORS). ANY SHAPE DIRECT SET IS ALLOWED PROVIDED THAT IT FITS WITHIN THE MAXIMUM OVERALL SIZES OF 98 5/8" X 48" OR 48" X 98 5/8". RECTANGULAR DIRECT SET SIDELITES ARE ALLOWED UP TO 49 3/4" WIDE X 122 1/8" TALL.
- ALLOWABLE DESIGN PRESSURE: +/-50 PSF
- GLAZING AS SHOWN IN DETAILS A/2 OR B/2 SHALL BE USED IN DIRECT SET UNITS.
- DIRECT-SET TRANSOM MAY BE MULLED OVER SINGLE OR DOUBLE PANEL DOORS ONLY (SEE SEPARATE MONTECARLO APPROVAL FOR DOORS).  
TRANSOM IS NOT APPLICABLE WITH DOOR/SIDELITE CONFIGURATION. ANY SHAPE DIRECT SET MAY BE USED.
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO TAS 201, 202, AND 203 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
- THIS PRODUCT AS SHOWN HEREIN IS LARGE AND SMALL MISSILE IMPACT RATED, SHUTTERS ARE NOT REQUIRED.
- 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.
- ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS INDICATED IN THIS APPROVAL. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
- DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.
- A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
- THE MAHOGANY FIXED LITES 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 AND EQUAL OR GREATER MODULUS OF ELASTICITY MAY BE SUBSTITUTED FOR ALL WOOD COMPONENTS.
- COMPOSITE MEMBERS ARE FORMED BY JOINING PIECES AS SHOWN IN PART DRAWINGS WITH TITEBOND II FRANKLIN INTERNATIONAL WOOD GLUE.
- WOOD SPECIES: CARAPA GUIANENSIS MAHOGANY.  
Min. E = 1.9x10<sup>6</sup> Psi  
Min. Fy = 15,500 Psi  
Min. S.G. = 0.56
- PLYWOOD: CDX PLYWOOD.  
Min. E = 1.1x10<sup>6</sup> Psi  
Min. Fy = 5,700 Psi  
Min. S.G. = 0.53

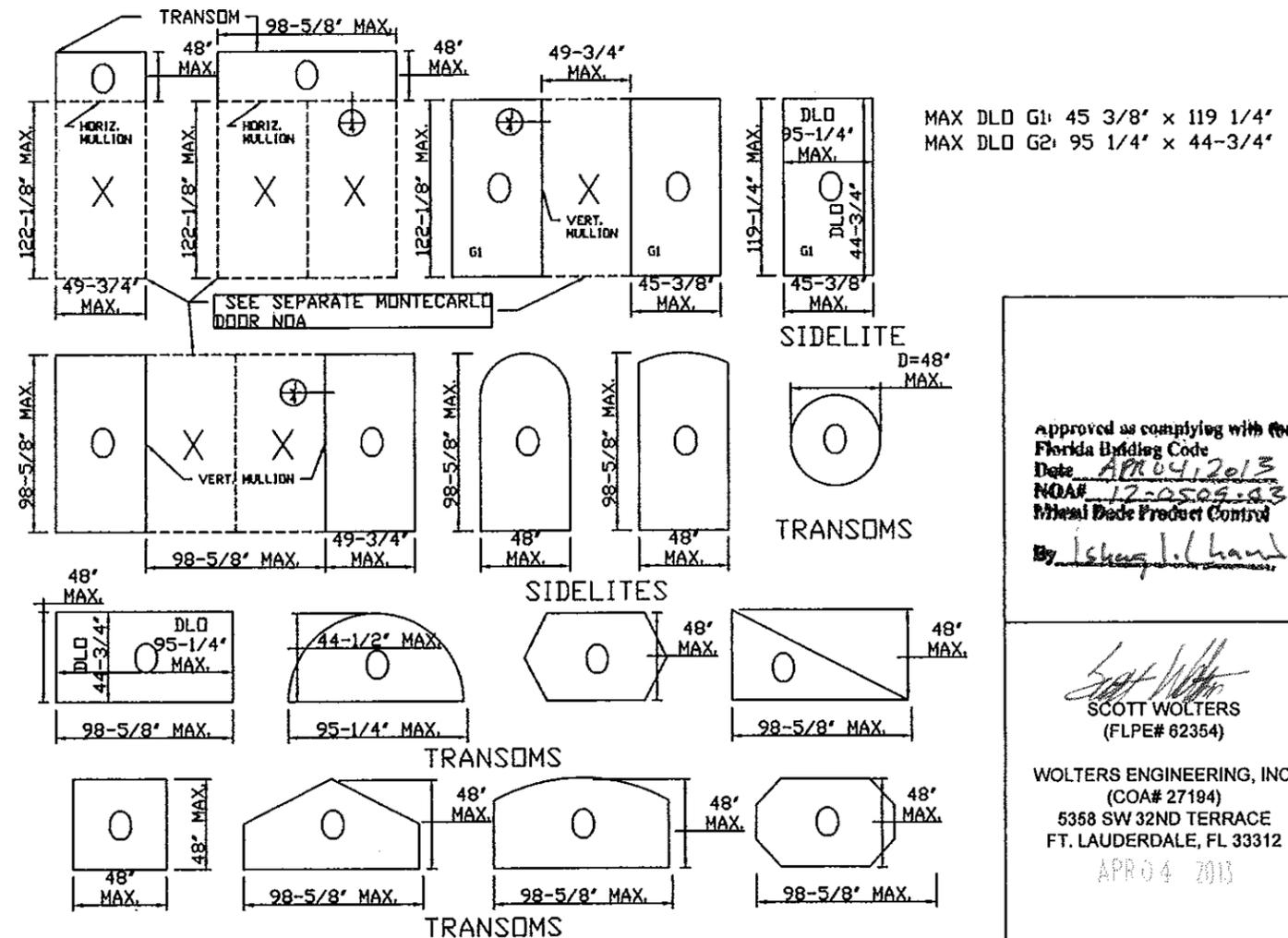
ALLOWABLE DESIGN PRESSURE:  
+50 / -50 PSF

MATERIALS LIST

- THROUGH 5. NOT USED
- GLASS: SEE GLAZING DETAILS ON SHEET 2
- NOT USED
- 2"x6"x $\frac{1}{2}$ " ALUMINUM 6063-T6 VERTICAL OR HORIZONTAL MULLION WITH 6"x8"x $\frac{1}{4}$ " CONT.  $\frac{1}{4}$ " ELECTRODE FILLET WELDED ALUMINUM END PLATES
- AND 10. NOT USED
- GLASS STOP:  $\frac{3}{8}$ " X 1" SOLID MAHOGANY
- THROUGH 16. NOT USED
- 4d X 1  $\frac{1}{2}$ " FINISHING NAIL 1" FROM CORNERS AND SPACED 2 $\frac{1}{2}$ " O.C. FASTENING GLASS STOPS TO PANELS.
- AND 19. NOT USED
- No. 10 X 2  $\frac{1}{2}$ " PFHMS (3 PER CORNER). TYP.
- THROUGH 33. NOT USED
- 1  $\frac{3}{4}$ " X 5  $\frac{1}{2}$ " DIRECT SET FRAME  
A. DIRECT SET - HEAD EYEBROW, MAHOGANY AND PLYWOOD  
B. DIRECT SET - HEAD ARCH, MAHOGANY AND PLYWOOD  
C. TYPICAL DIRECT SET FRAME, SOLID MAHOGANY
- $\frac{1}{2}$ " X 2 $\frac{3}{4}$ " PFHSDSMS FASTENING JAMBS AND DS TO MULLION MAX 8" O.C.
- PERIMETER SEALANT: SIKAFLEX 15 LM

EXAMPLE ALLOWABLE CONFIGURATIONS. (SEE GEN. NOTE 1 ABOVE)  
SEE SHEET 2 FOR SIZE LIMITATIONS.

NOTE: "X" UNITS ARE ACTIVE OR INACTIVE DOOR PANELS AND ARE NOT PART OF THIS APPROVAL (SEE SEPARATE MONTECARLO APPROVAL). "O" UNITS ARE DIRECT SET FIXED LITE TRANSOMS OR SIDELITES (SEE APPLICABLE GLAZING DLD LIMIT ON SHEET 2).



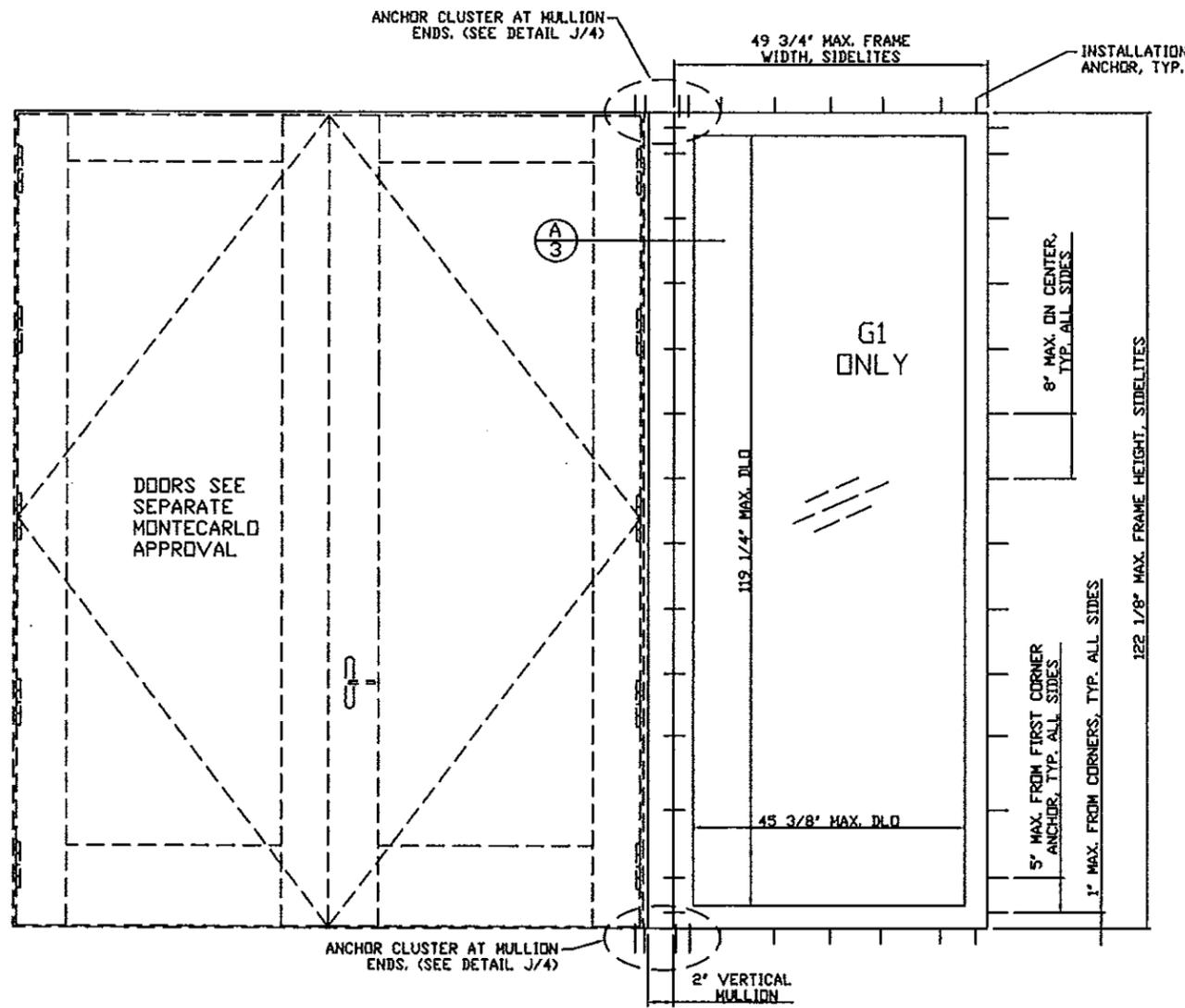
REV.	DATE	DESCRIPTION	BY	LAT	SFW
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	12/14/2012	REV'D PER MIAMI-DADE REVIEW			

Mahogany Direct Sets  
Large Missile Impact

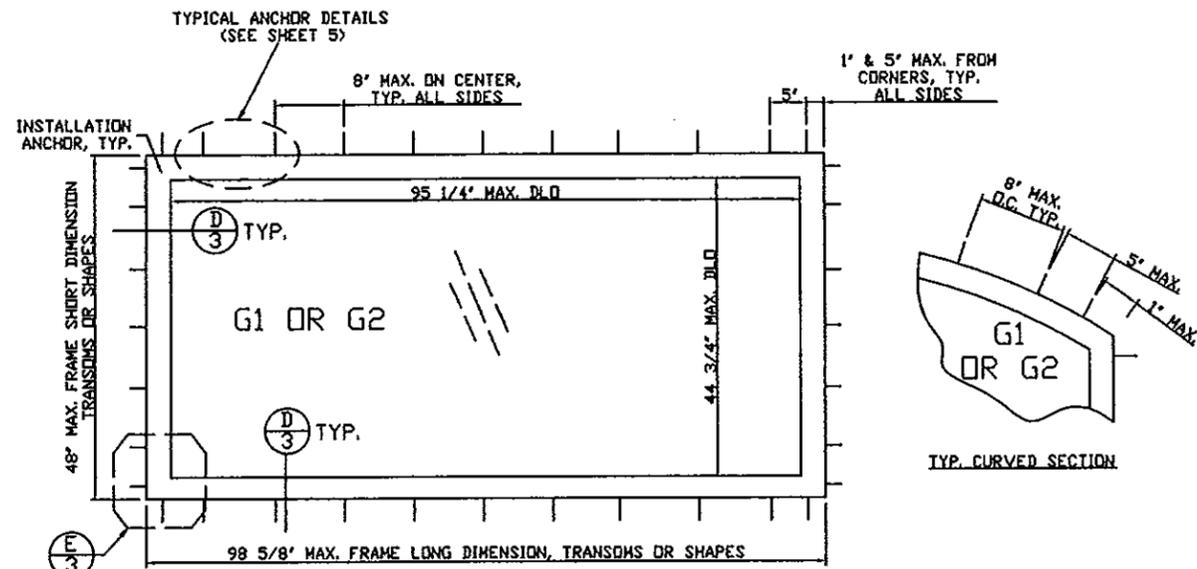
Montecarlo Doors  
4440 PGA Boulevard, Suite 600  
Palm Beach Gardens, FL 33410  
PHONE: 561.623.5303  
FAX: 561.594.1720  
www.montecarlodoors.com

DRAWING # H582-0907-11  
SCALE: NTS

SHEET 1 of 5

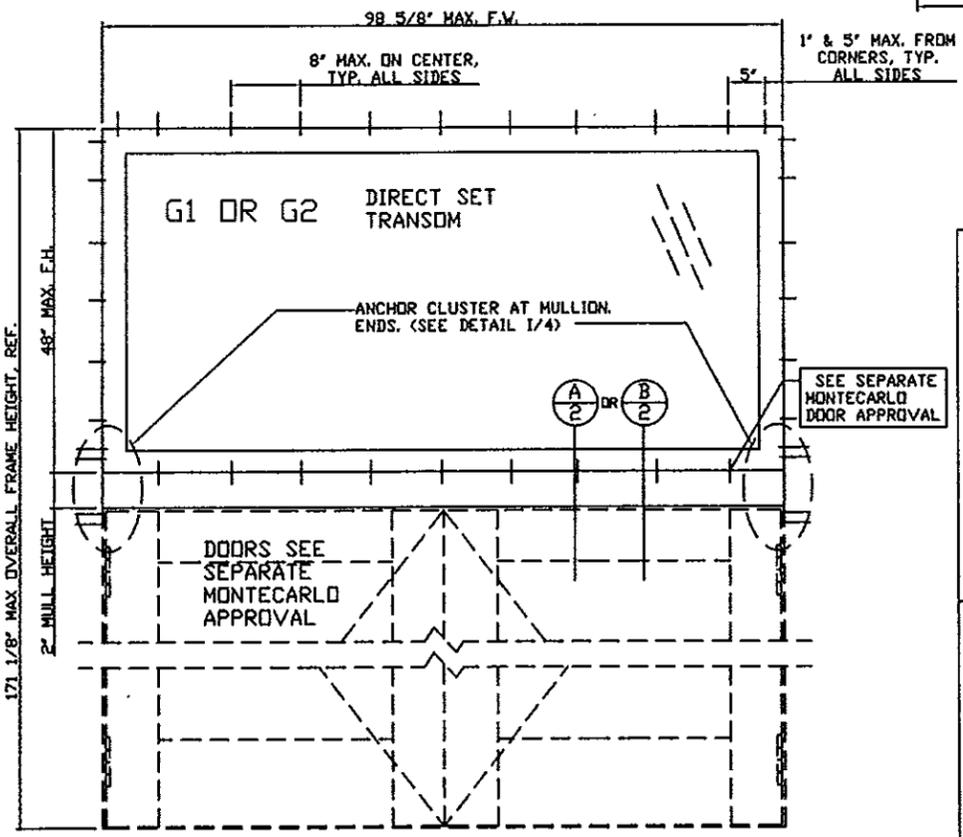
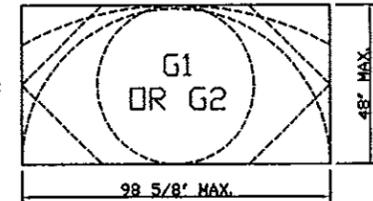


ELEVATION 1: TYP. MAX. SIZES AND ANCHORAGE SPACING, RECTANGULAR SIDELITES



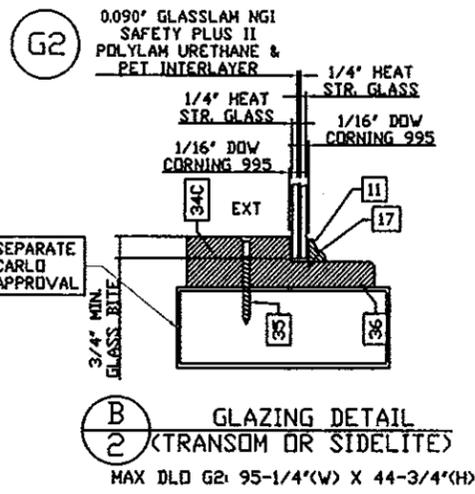
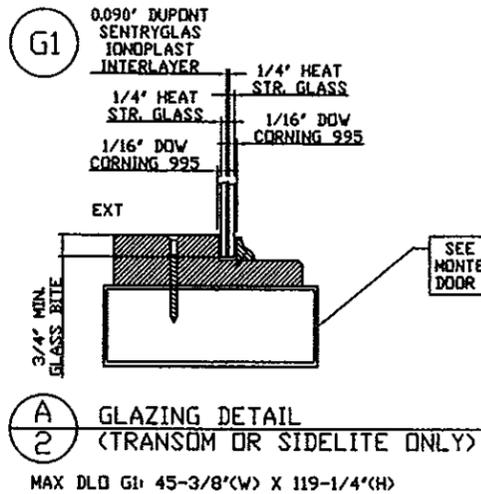
ELEVATION 1: TYP. MAX. SIZES AND ANCHORAGE SPACING, TRANSOMS AND SHAPES

NOTE: ELEVATION 1 ABOVE APPLIES TO ANY SHAPE THAT FITS WITHIN MAX. SIZES SHOWN, FOR EXAMPLE:



ELEVATION 3: TRANSOM TO DOOR

NOTE: FOR MAX. SIZES AND ANCHORAGE OF DIRECT SET, SEE ELEV. 1 ABOVE. ANY SHAPE WITH A FLAT SILL THE FULL WIDTH OF THE DOOR, SUCH AS BUT NOT LIMITED TO EYEBROWS, ARCHES, HALF CIRCLES, TRIANGLES, TRAPEZIODS, DOGHOUSES, ETC., MAY BE USED AS TRANSOMS.

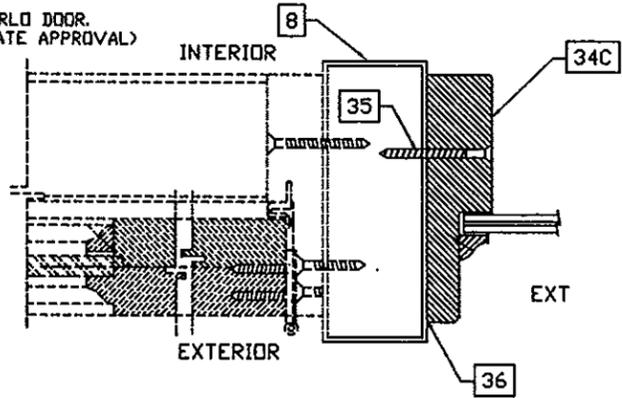


Approved in compliance with the Florida Building Code  
 Date: 2/14/13  
 HDB# 12-0509.03  
 Miami Made Product Control  
 by: Ishag L. Chaudhary

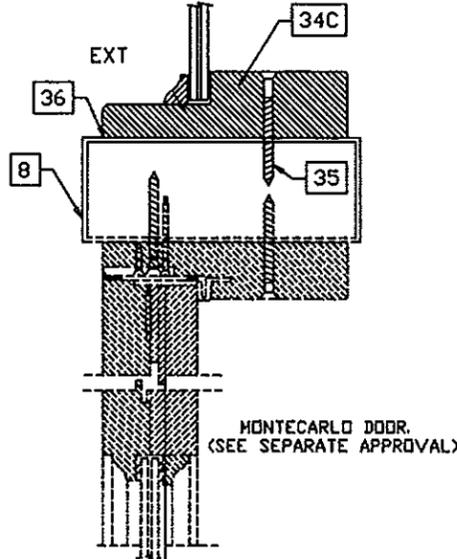
SCOTT WOLTERS  
 (FLPE# 62354)  
 WOLTERS ENGINEERING, INC.  
 (COA# 27194)  
 5358 SW 32ND TERRACE  
 FT. LAUDERDALE, FL 33312  
 APR 04 2013

BY		DESCRIPTION	DATE	REV.
LAT		ORIGINAL RELEASE	10/12/2011	0
SFV		REV'D PER MIAMI-DADE REVIEW	12/14/2012	
Mahogany Direct Sets Large Missile Impact				
<p>Montecarlo Doors          4440 PGA Boulevard, Suite 600          Palm Beach Gardens, FL 33410          PHONE: 561.623.5303          FAX: 561.594.1720          www.montecarlodoors.com</p>				
<p>DRVDG # H582-0907-11          SCALE: NTS          SHEET 2 of 5</p>				

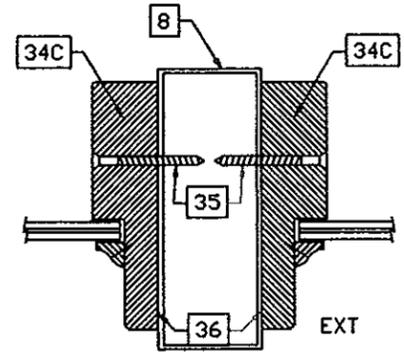
MONTECARLO DOOR.  
(SEE SEPARATE APPROVAL)



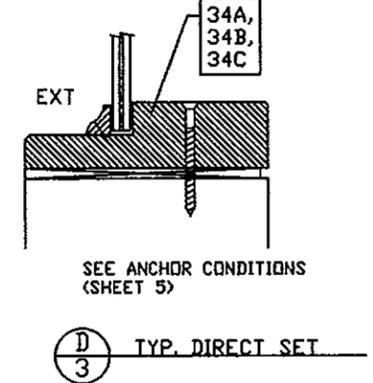
**A**  
3 VERTICAL  
MULLION DETAIL



**B**  
3 HORIZONTAL  
MULLION DETAIL



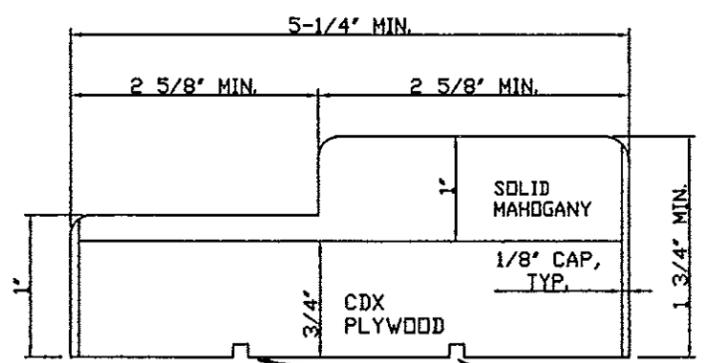
**C**  
3 VERTICAL  
MULLION DETAIL



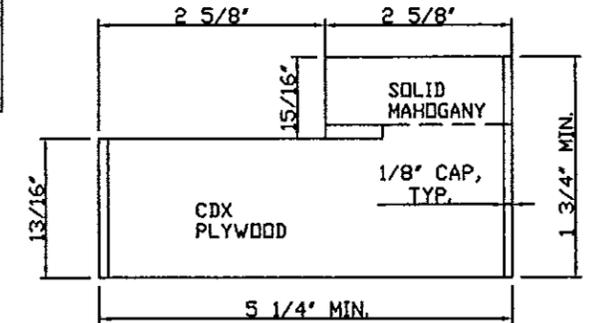
SEE ANCHOR CONDITIONS  
(SHEET 5)

**D**  
3 TYP. DIRECT SET

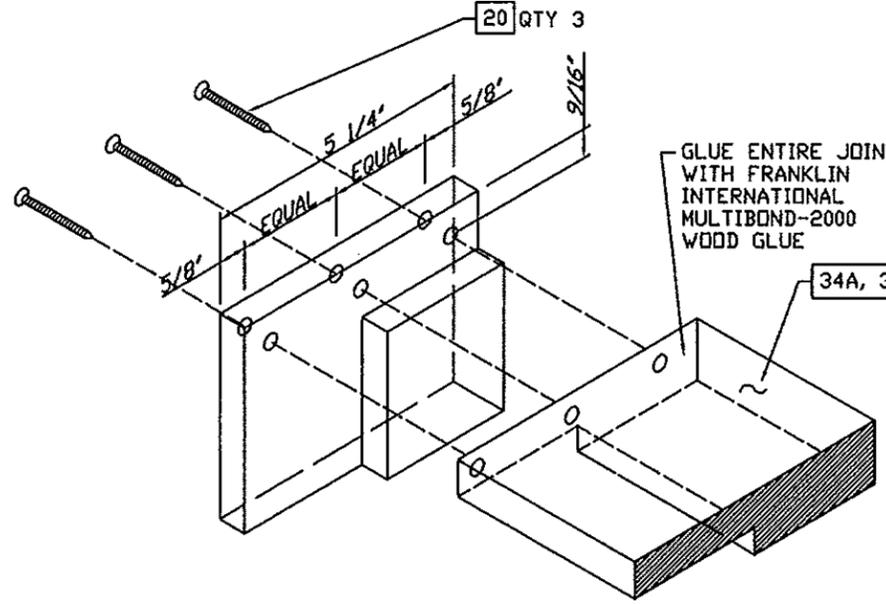
WOOD PROPERTIES	
MAHOGANY	
Min. E =	1.9x10 <sup>6</sup> Psi
Min. Fy =	15,500 Psi
Min. S.G. =	0.56
PLYWOOD	
Min. E =	1.1x10 <sup>6</sup> Psi
Min. Fy =	5,700 Psi
Min. S.G. =	0.53



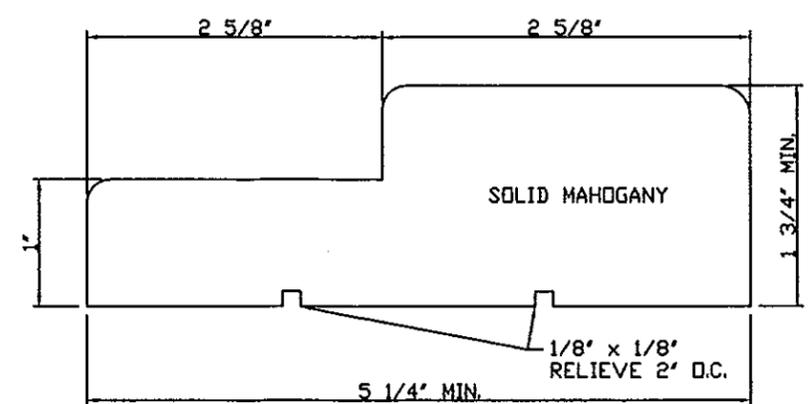
**34B. DIRECT COMPOSITE MAHOGANY SET ARCH**  
1/8" x 1/8" RELIEVE 2" D.C.



**34A. DIRECT SET COMPOSITE MAHOGANY HEAD EYEBROW**



**E**  
3 TYP. FRAME CORNER DETAIL  
(ALL FRAME MEMBERS TO BE SCREWED AT ALL CORNERS)  
SCALE: NTS



**34C. DIRECT SET FRAME**  
1/8" x 1/8" RELIEVE 2" D.C.

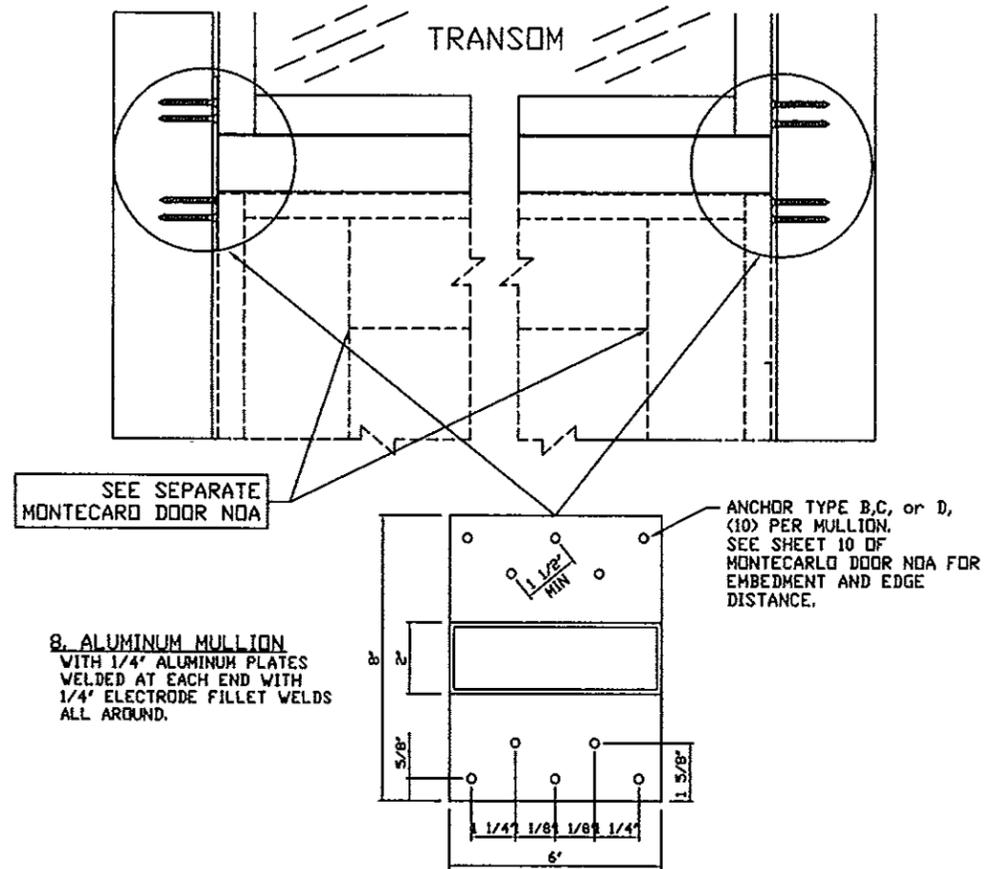
Approved as complying with the  
Florida Building Code  
Date 9/14/13  
NOA# 12-0508-03  
Miami Dade Product Control  
By [Signature]

[Signature]  
SCOTT WOLTERS  
(FLPE# 62354)  
WOLTERS ENGINEERING, INC.  
(COA# 27194)  
1271 GRANT STREET  
HOLLYWOOD, FL 33019  
APR 04 2011

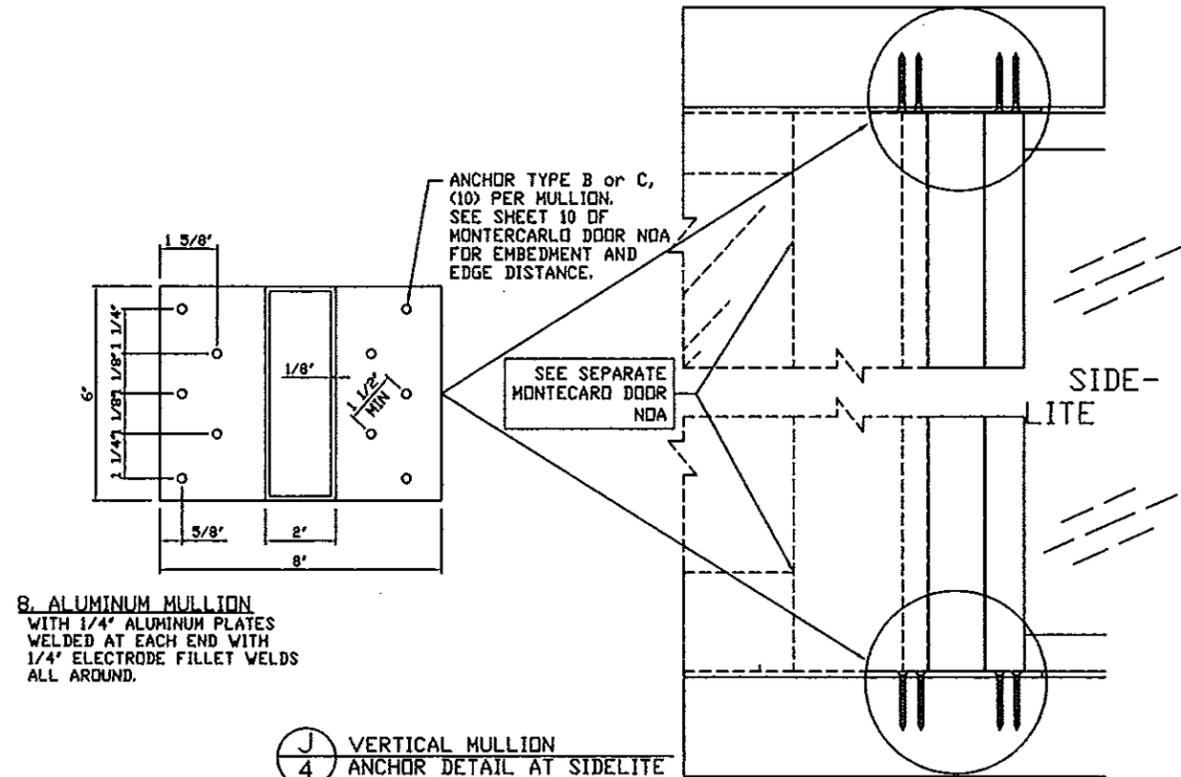
REV.	DATE	DESCRIPTION	BY	LAT	SFW
0	10/12/2011	ORIGINAL RELEASE			
	12/14/2012	REV'D PER MIAMI-DADE REVIEW			

**Mahogany Direct Sets  
Large Missile Impact**

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I HORIZONTAL MULLION  
4 ANCHOR DETAIL AT TRANSOM



J VERTICAL MULLION  
4 ANCHOR DETAIL AT SIDELITE

Approved as complying with the Florida Building Code  
 Date 4/19/13  
 NOA# 12-0509-02  
 Miami Dade Product Control  
 By Ismael I. Chaves

Scott Wolters  
 SCOTT WOLTERS  
 (FLPE# 62354)  
 WOLTERS ENGINEERING, INC.  
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 5358 SW 32ND TERRACE  
 FT. LAUDERDALE, FL 33312  
 APR 04 2013

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**Mahogany Direct Sets**  
**Large Missile Impact**

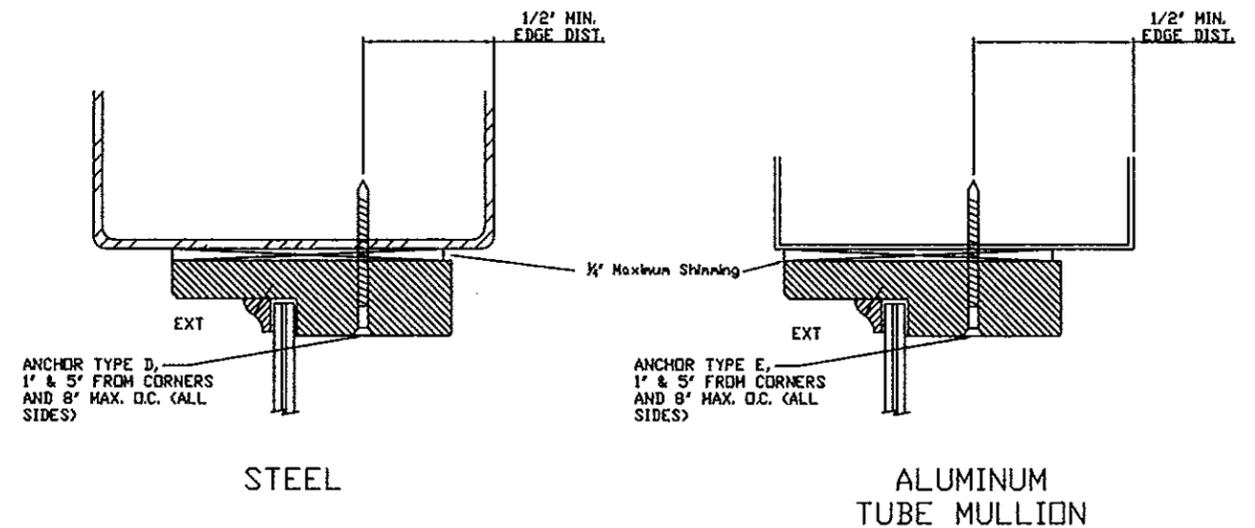
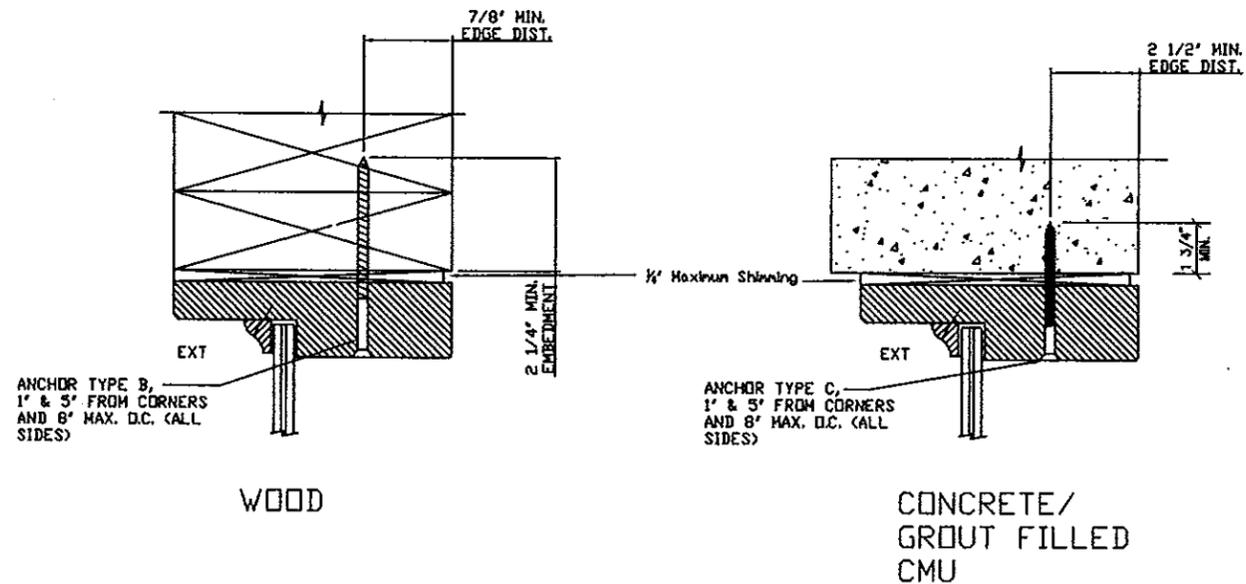
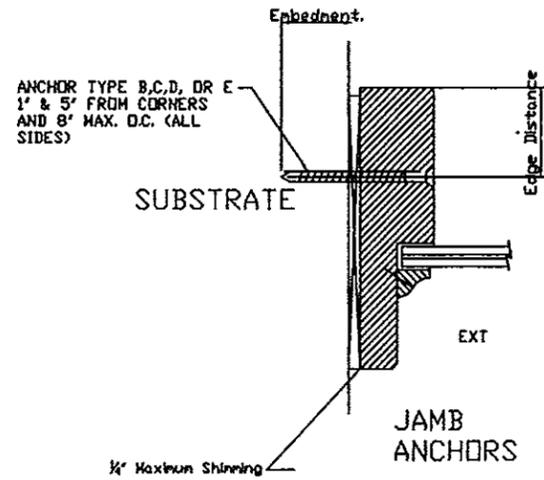
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DRAWING # H582-0907-11  
 SCALE: NTS  
 SHEET 4 of 5

**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 ELCO 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 ELCO 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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Miami Dade Product Control  
By: Ishag I. Chank

*Scott Walters*  
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APR 04 2013

DRAWING #  
**H582-0907-11**  
SCALE: **NTS**  
**SHEET**  
**5 of 5**