



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**NOTICE OF ACCEPTANCE (NOA)**

[www.buildingcodeonline.com](http://www.buildingcodeonline.com)

**Gamma USA, Inc.**  
5600 N. W. 37<sup>th</sup> Avenue  
Miami, Fl. 33142

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series "90" Single Outswing Aluminum Door w/ Transom-S. M. Impact**

**APPROVAL DOCUMENT:** Drawing No. T-90, titled "Test #90 Balcony Door", sheets 1 through 7 of 7, dated 04/09/2008 and last revised on 08/15/2008, prepared by Structural design Inc. , signed and sealed by Farrokh Rasekhi, 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 Division.

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

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement =- f any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

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

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



NOA No 08-0513.11  
Expiration Date: October 02, 2013  
Approval Date: October 02, 2008

9/11/08

**Gamma USA, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **T-90**, titled "Test #90 Balcony Door", sheets 1 through 7 of 7, dated 04/09/2008 and last revised on 08/15/2008, prepared by Structural design Inc., signed and sealed by Farrokh Rasekhi, P.E.

**B. TESTS**

1. Test reports on
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
  - 5) Small Missile impact Test per FBC, TAS 201-94
  - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of single outswing alum door w/ transom, prepared by Fenestration Testing Laboratory Inc, Test Report No. **FTL-5247(FTL-07059)**, dated 06/27/07, signed & sealed by Carlos S. Roinda, P. E.

**C. CALCULATIONS**

1. Anchor verification calculations, prepared by Structural design Inc, dated 03/16/08 and revised on 08/15/2008, signed and sealed by Farrokh Rasekhi, P.E.
2. Glazing complies with ASTM E-1300-02.

**D. QUALITY ASSURANCE BY:**

1. Miami-Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III G Clear or colored interlayer**" dated May 04, 2006, expiring on May 21, 2011.

**F. STATEMENTS**

1. Statement letters of conformance and "No financial interest", both dated March 07, 2008, signed and sealed by Farrokh Rasekhi, P.E.
2. Statement of compliance, issued as part of the above referenced test report issued by Fenestration Testing Laboratory Inc.

**G. OTHER**

1. None

*Ishaq I. Chanda*

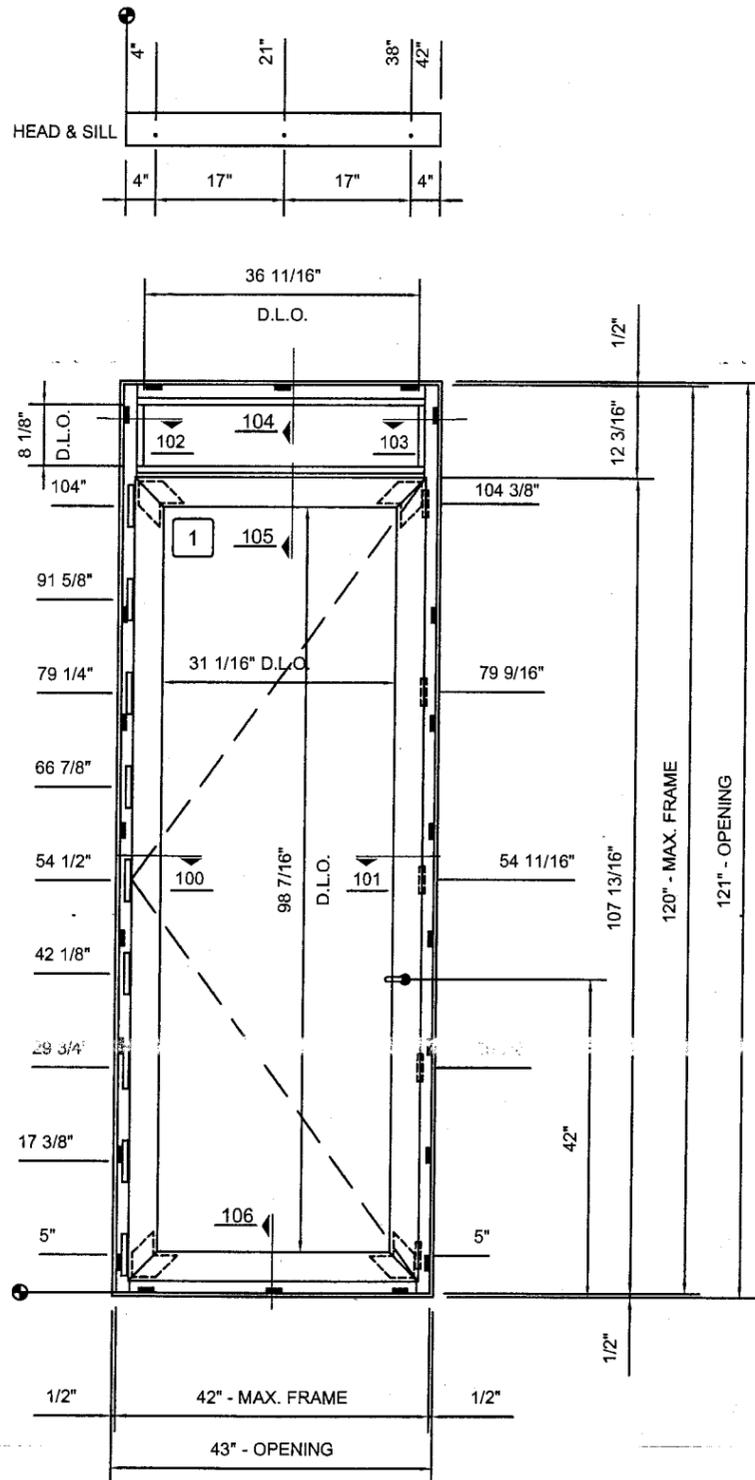
Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 08-0513.11

Expiration Date: October 02, 2013

Approval Date: October 02, 2008



**GENERAL NOTES**

- ① -GLASS TYPE: 9/16" LAMINATED GLASS  
1/4" CLEAR TEMPERED GLASS  
0.060" SAFLEX/KEEPSAFE PVB (SOLUTIA)  
1/4" CLEAR TEMPERED GLASS, LAMINATED BY VITRERIE APRIL

- MAXIMUM GLASS DIMENSION 32 9/16" X 99 15/16"
- ALL ALUMINUM IS 6063 T6
- GLAZING PENETRATION: 3/4" FOR DOOR  
9/16" FOR TRANSOM

- 1/2" MAX. LOAD BEARING SHIM
- CONCRETE APPLICATION 3000 PSI
- FRAME CORNERS SEAMS SEALED WITH CLEAR SEALANT
- REFER TO BILL OF MATERIEL FOR COMPLETE DESCRIPTION

**SHUTTER REQUIREMENTS:**

- 1- INSTALLATION OF THIS UNIT ABOVE 30 FT ABOVE GRADE WILL NOT REQUIRE SHUTTERS
- 2- MIAMI DADE COUNTY APPROVED SHUTTERS WILL BE REQUIRED FOR INSTALLATION OF THIS UNIT BELOW 30 FT ABOVE THE GRADE

**SEALANT :**

- G.E. - SILPRUF SCS 2000
- TREMCO - SPECTREM 2

DESIGN PRESSURE RATING  
**+110 PSF, -130 PSF**

- ALUMINIUM SNAP ON ANCHOR CLIP #4460, 2" LONG AT EACH SCREW
- Ø5/16" FH TAPCON SCREW (TRIMFIT)
- ▬ KEEPERS SAVIO #1246.835
- HANDLE
- ▬ ALUMINIUM HING

REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.

Approved as complying with the Florida Building Code  
Date OCT 02, 2008  
NOA# 08-6513.11  
Miami Dade Product Control Division  
By S. Chandy / L. Chandy

**STRUCTURAL DESIGN INC.**  
CONSULTING STRUCTURAL ENGINEERS  
9599 N. KENDALL DR. SUITE NO. 200  
MIAMI, FLORIDA 33176 CERTIFICATE # 6903

*Farrokh Rasekhi*  
8/15/08

TEL: (305) 595-8965 FAX: (305) 595-8966  
FARROKH RASEKHI, P.E. FL. REG. #38001

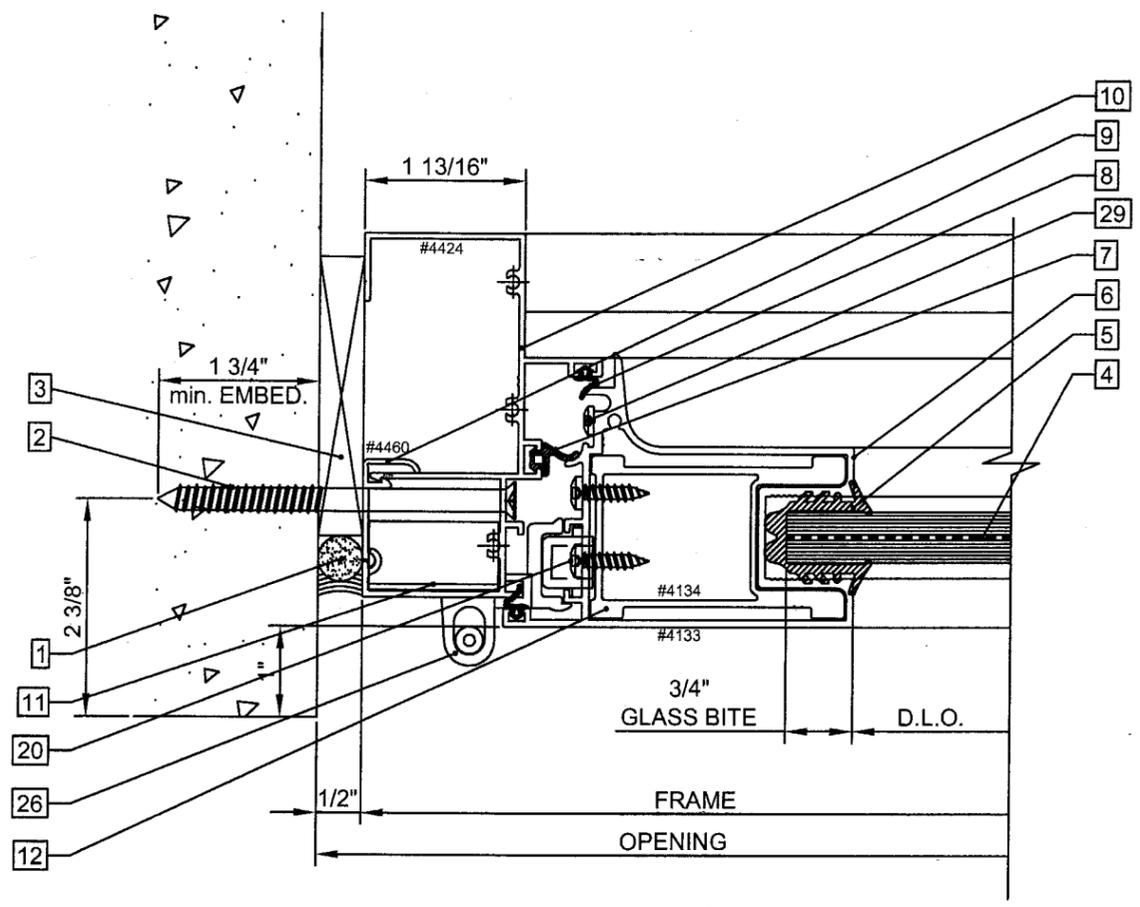
MANUFACTURER:

**Gamma**  
U.S.A.  
6130, BOUL. STE-ANNE  
L'ANGE GARDIEN (QUÉBEC)  
G0A 2K0

Phone: (418) 822-1448 Fax: (418) 822-1533  
Web site: www.gammaindustries.ca  
E-mail: info@gamma-online.com

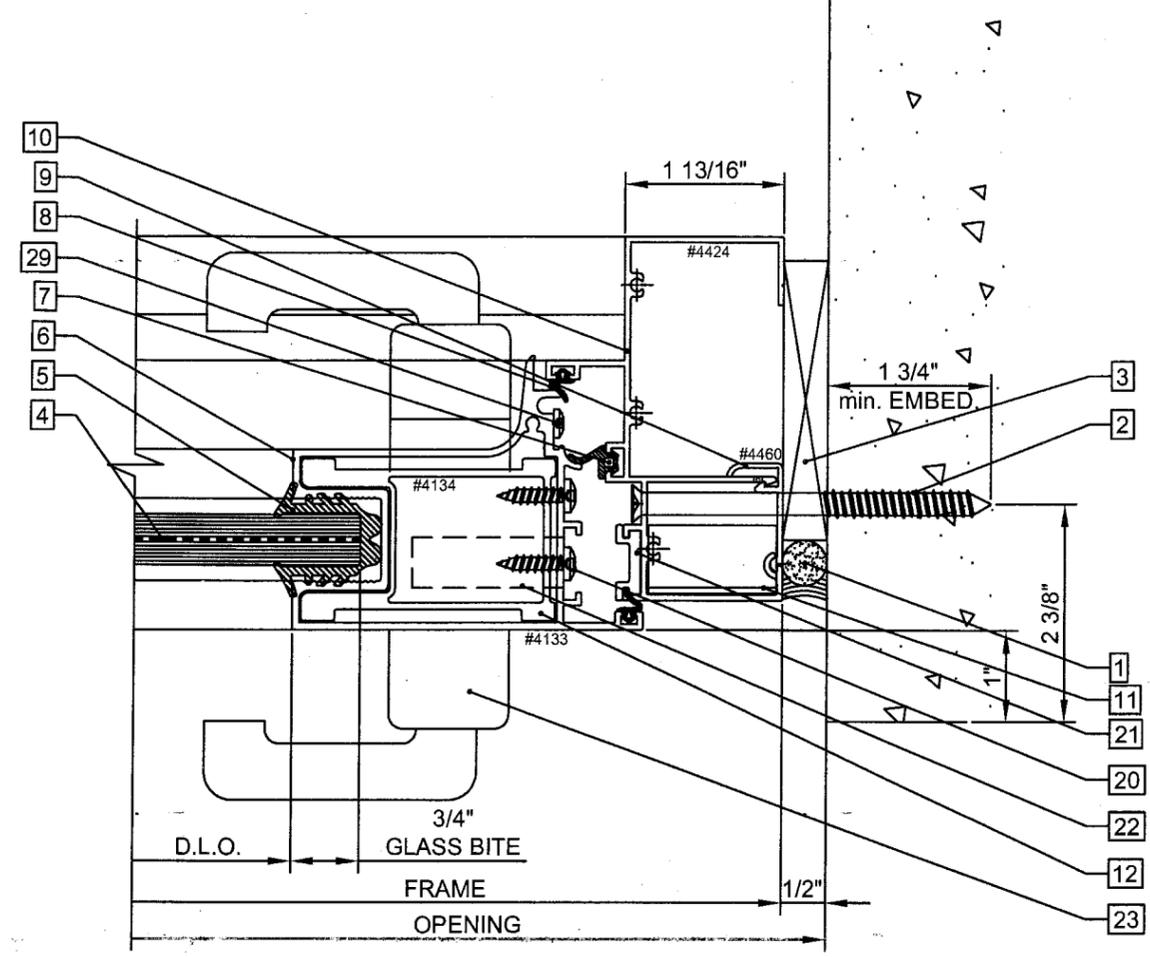
TITLE:  
**TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130 PSF  
SMALL IMPACT  
ELEVATION**

SCALE: N.T.S.	DRAWN BY: D. LABBÉ	
DATE: 04/19/2006	DRAWING NO. T-90	SHEET NO. 1 OF 7



OUTSIDE

detail 100



OUTSIDE

detail 101

REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.

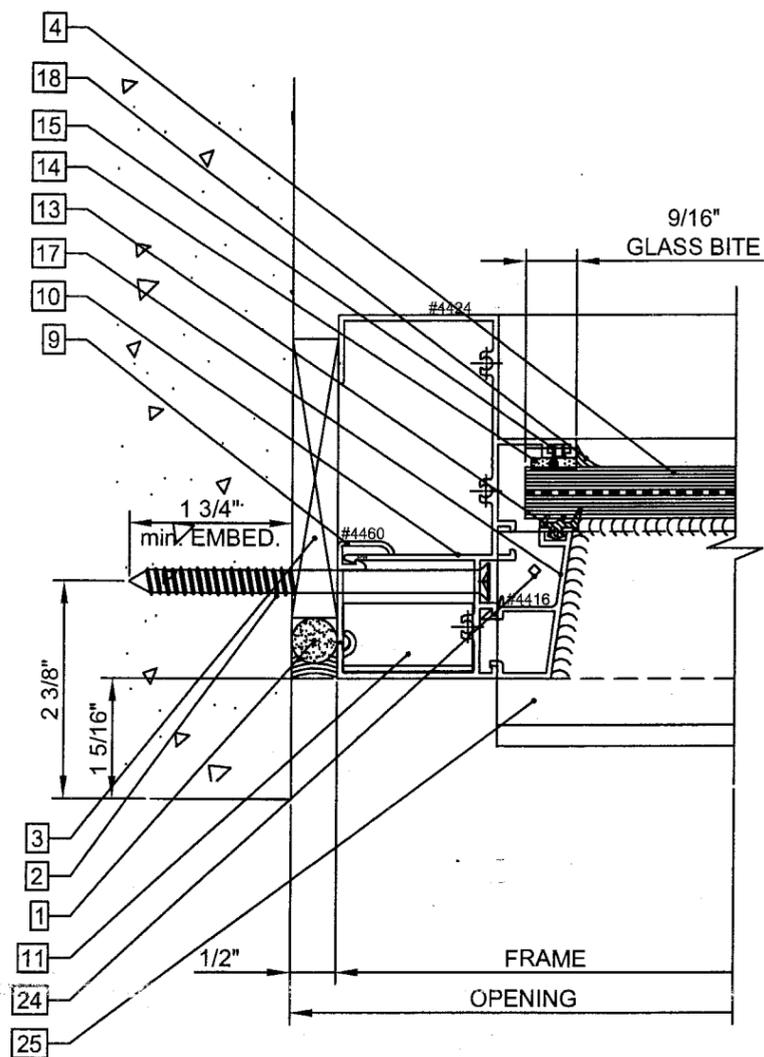
Approved as complying with the  
 Florida Building Code  
 Date OCT 02, 2008  
 NOA# 08-0513-11  
 Miami Dade Product Control  
 Division  
 By Ighay I. Cleand

STRUCTURAL DESIGN INC.  
 CONSULTING STRUCTURAL ENGINEERS  
 9545 N. KENDALL DR., SUITE 100  
 MIAMI, FLORIDA 33178 CERTIFICATE # 8804  
*Farrokh Rasekhi*  
 8/15/08  
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 FAX: (305) 595-8966 FL. REG. #38001

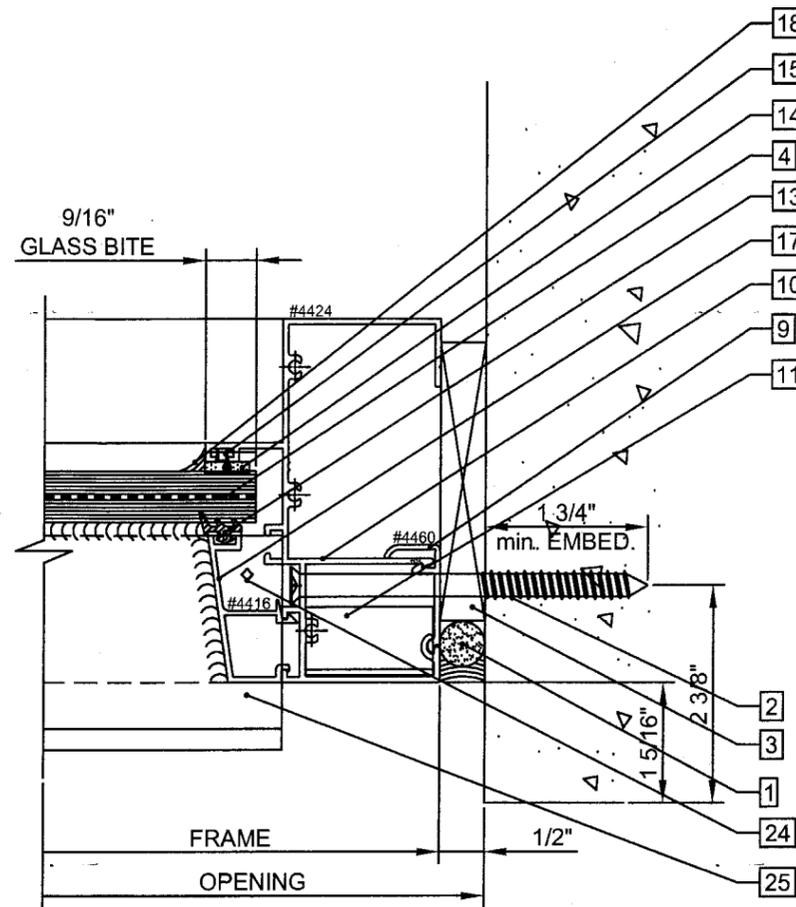
MANUFACTURER:  
**Gamma**  
 U.S.A.  
 6130, BOUL. STE-ANNE  
 L'ANGE GARDIEN (QUÉBEC)  
 G0A 2K0  
 Phone: (418) 822-1448 Fax: (418) 822-1533  
 Web site: www.gammaindustries.ca  
 E-mail: info@gamma-online.com

TITLE:  
 TEST # 90  
 BALCONY DOOR  
 42" X 120"  
 +110/-130 PSF  
 SMALL IMPACT  
 DETAILS 100 & 101

SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ	
DATE: 04/19/2006	DRAWING NO. T-90	SHEET NO. 2 of 7



**OUTSIDE**  
detail 102



**OUTSIDE**  
detail 103

REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.

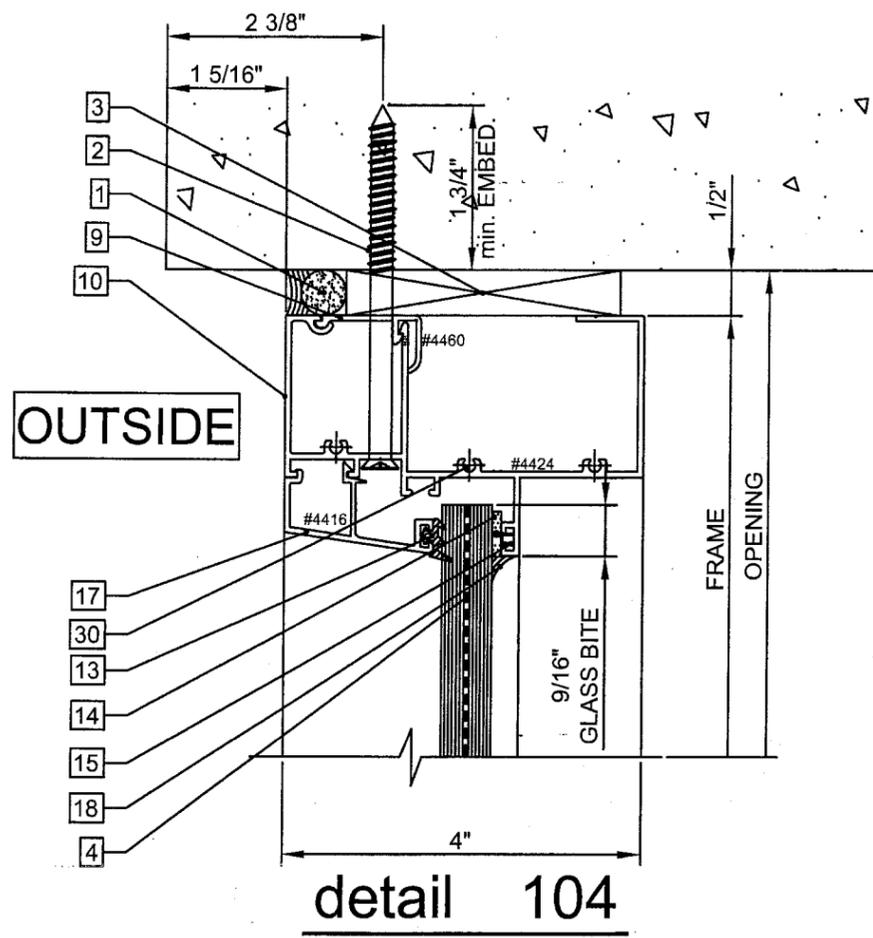
Approved as complying with the  
Florida Building Code  
Date OCT 02, 2008  
NOA# 08-0513-11  
Miami Dade Product Control  
Division  
By Isaac L. Hank

**STRUCTURAL DESIGN INC.**  
CONSULTING STRUCTURAL ENGINEERS  
9595 N. KENDALL DR. SUITE NO. 208  
MIAMI, FLORIDA 33176 CERTIFICATE # 8803  
*James Hank*  
8/15/08  
TEL: (305) 595-8965 FARROKH RASEKHI, P.E.  
FAX: (305) 595-8966 FL. REG. #38001

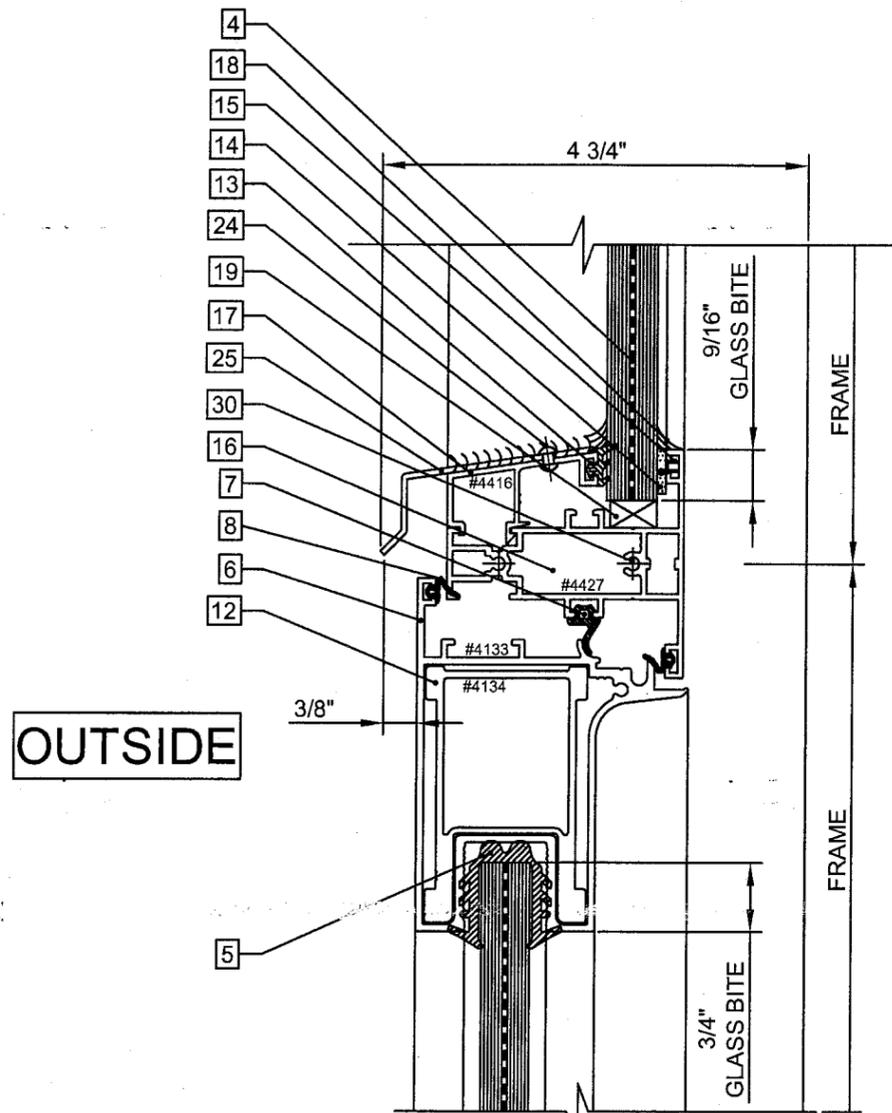
MANUFACTURER:  
**Gamma**  
U.S.A.  
6130, BOUL. STE-ANNE  
L'ANGE GARDIEN (QUÉBEC)  
G0A 2K0  
Phone: (418) 822-1448 Fax: (418) 822-1533  
Web site: www.gammaindustries.ca  
E-mail: info@gamma-online.com

TITLE:  
TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130-PSF  
SMALL IMPACT  
DETAILS 102 & 103

SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ	
DATE: 04/19/2006	DRAWING NO. T-90	SHEET NO. 3 OF 7



detail 104



detail 105

REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.

Approved as complying with the  
 Florida Building Code  
 Date OCT 02, 2008  
 NOA# 08-0513-11  
 Miami Dade Product Control  
 Division  
 By Shayl. Chaud

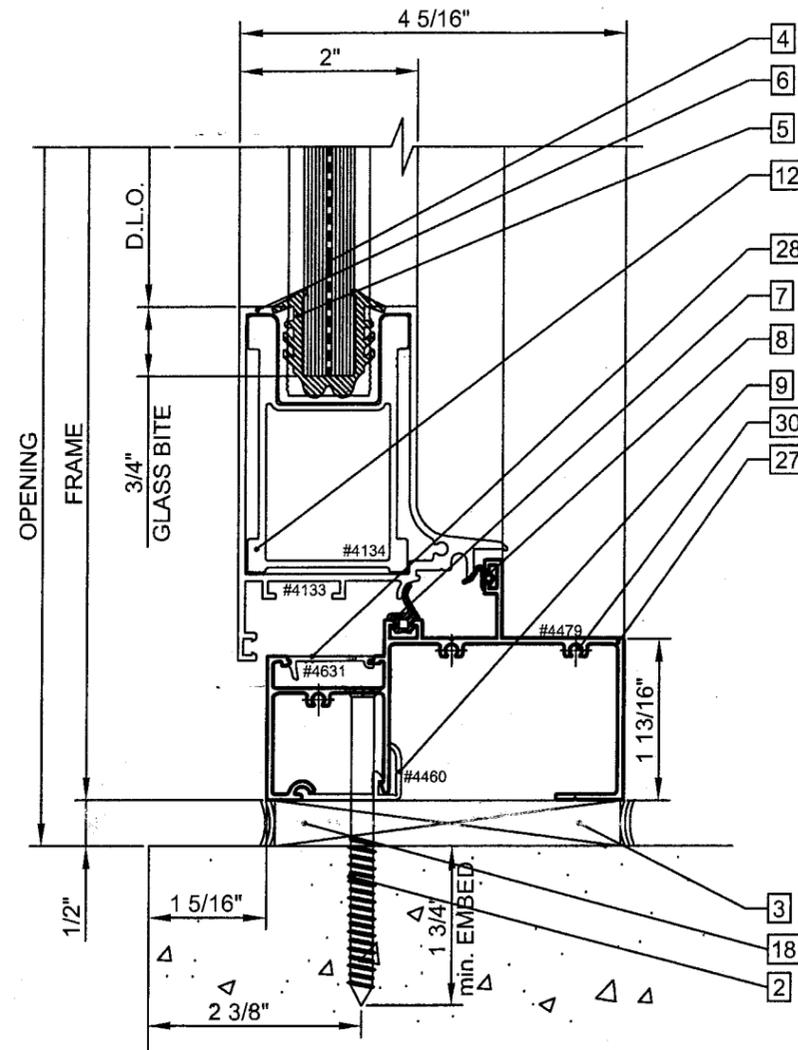
**STRUCTURAL DESIGN INC.**  
 CONSULTING STRUCTURAL ENGINEERS  
 9595 N. KENDALL DR. SUITE NO. 200  
 MIAMI, FLORIDA 33176 CERTIFICATE # 8803  
*Farrokh Rasekhi*  
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MANUFACTURER:  
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 Phone: (418) 822-1448 Fax: (418) 822-1533  
 Web site: www.gammaindustries.ca  
 E-mail: info@gamma-online.com

TITLE:  
 TEST # 90  
 BALCONY DOOR  
 42" X 120"  
 +110/-130 PSF  
 SMALL IMPACT  
 DETAILS 104 & 105

SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ	
DATE: 04/19/2006	DRAWING NO. T-90	SHEET NO. 4 OF 7

OUTSIDE



detail 106

REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.

Approved as complying with the  
Florida Building Code  
Date OCT 02, 2008  
NOA# 08-0513-11  
Miami Dade Product Control  
Division  
By Sheryl L. Chenule

**STRUCTURAL DESIGN INC.**  
CONSULTING STRUCTURAL ENGINEERS  
9515 N. KENDALL DR. SUITE NO. 209  
MIAMI, FLORIDA 33176 CERTIFICATE # 8803

*Farrokh Rasekhi*  
8/15/08

TEL: (305) 595-8965 FARROKH RASEKHI, P.E.  
FAX: (305) 595-8966 FL. REG. #38001

MANUFACTURER:

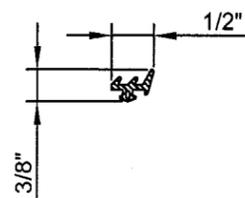
**Gamma**  
U.S.A.  
6130, BOUL. STE-ANNE  
L'ANGE GARDIEN (QUÉBEC)  
G0A 2K0

Phone: (418) 822-1448 Fax: (418) 822-1533  
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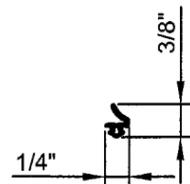
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TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130 PSF  
SMALL IMPACT  
DETAIL 106

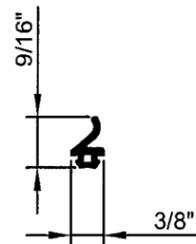
SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ	
DATE: 04/19/2006	DRAWING NO. T-90	SHEET NO. 5 OF 7



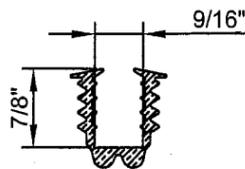
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EDPM GASKET



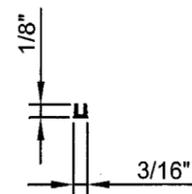
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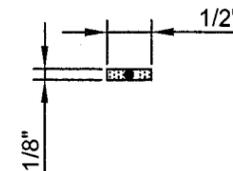
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SANTOPRENE GASKET



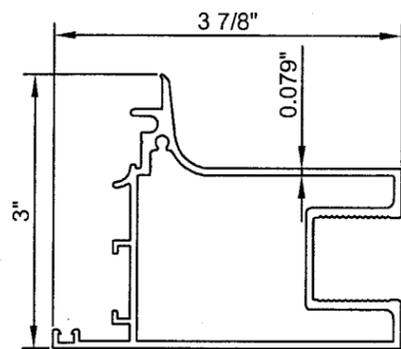
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PVC GLAZING GASKET



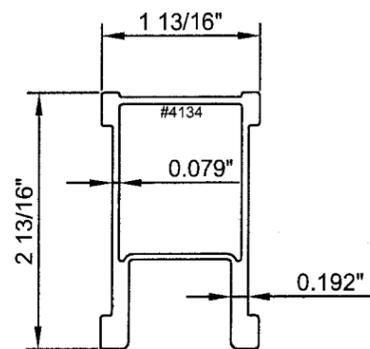
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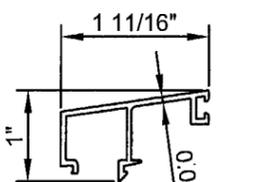
POLYSHIM 1/8"



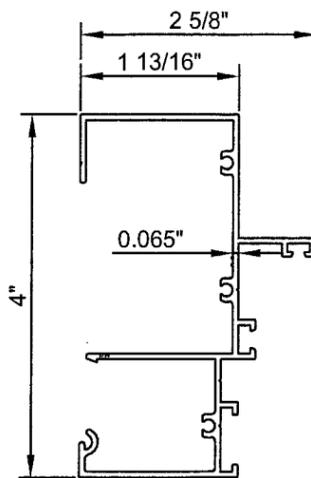
#4133 ALUMINUM FRAME  
BALCONY DOORS



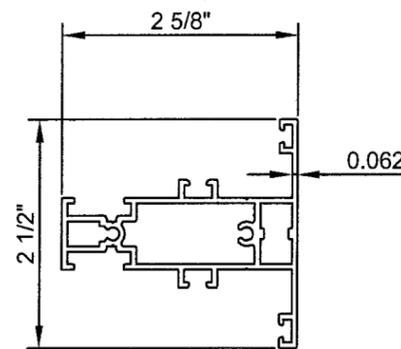
#4134 ALUMINUM  
CORNER ASSEMBLY



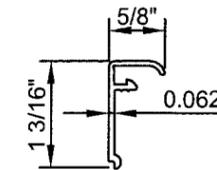
#4416 ALUMINUM  
SNAP-ON CAP



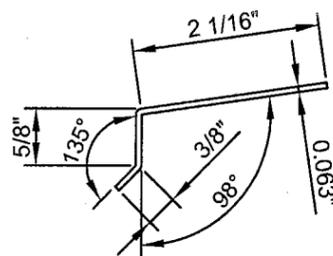
#4424 ALUMINUM  
DOORS FRAME



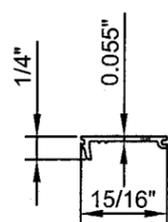
#4427 ALUMINUM  
HORIZONTAL MULLION



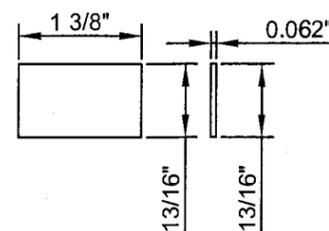
#4460 ALUMINUM  
SCREWING CAP.  
2" LONG AT EACH SCREW



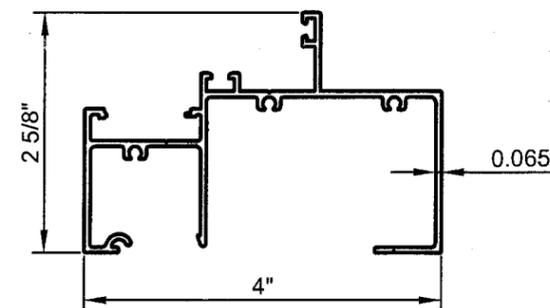
ALUMINUM FLASHING 1/16"



#4631 ALUMINUM  
SNAP-ON CAP



ALUMINUM PLATE 1/16"



#4479 ALUMINUM FRAME  
SILL FOR BALCONY DOOR

FOR MORE SPECIFIC  
DIMENSIONS PLEASE  
REFER TO THE  
SPECIFICATION SHEET  
FOR EACH EXTRUSIONS

REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.

Approved as complying with the  
Florida Building Code  
Date OCT 02, 2008  
NOA# 68-0513-11  
Miami Dade Product Control  
Division  
By Shag J. Chander

**STRUCTURAL DESIGN INC.**  
CONSULTING STRUCTURAL ENGINEERS  
9595 N. KENDALL DR. SUITE NO. 209  
MIAMI, FLORIDA 33176 CERTIFICATE # 8803

*Farrokh Rasekhi*  
8/15/08

TEL: (305) 595-8965 FARROKH RASEKHI, P.E.  
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MANUFACTURER:

**Gamma**  
U.S.A.  
6130, BOUL. STE-ANNE  
L'ANGE GARDIEN (QUÉBEC)  
G0A 2K0

Phone: (418) 822-1448 Fax: (418) 822-1533  
Web site: www.gammaindustries.ca  
E-mail: info@gamma-online.com

TITLE:

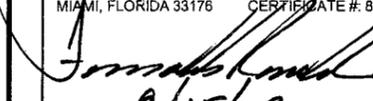
TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130 PSF  
SMALL IMPACT  
GAMMA'S EXTRUSIONS

SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ
DATE: 04/19/2006	DRAWING NO. SHEET NO. T-90 6 of 7

ITEM	PART #	DESCRIPTION
1	-	BAKER ROD & SEALANT SPECTREM 2 OR SILPRUF SCS 2000
2	-	Ø $\frac{5}{16}$ " TAPCON (TRIMFIT) SCREW FH - $\frac{3}{4}$ " MIN. EMBEDMENT
3	-	LOAD BEARING SHIM
4	-	$\frac{9}{16}$ " LAMINATED GLASS $\frac{1}{4}$ " CLEAR TEMPERED GLASS -0.060" SAFLEX / KEEPSAFE PVB (SOLUTIA) $\frac{1}{4}$ " CLEAR TEMPERED GLASS
5	#3066	GLAZING GASKET
6	#4133	ALUMINUM DOOR - SASH FRAME
7	#3047	SANTOPRENE GASKET
8	#3056	EPDM GASKET
9	#4460	ALUMINUM SNAP-ON CAP
10	#4424	ALUMINUM DOOR FRAME
11	-	ALUMINUM PLATE 1 3/8" x 13/16" x 1/16" THICK ATTACHED TO FRAME WITH #8 FH SS SCREW 1" LONG
12	#4134	ALUMINUM CORNER ASSEMBLY
13	#3008	EDPM GASKET
14	-	POLYSHIM $\frac{1}{8}$ "
15	#3077	PVC INSERT
16	#4427	ALUMINUM HORIZONTAL MULLION
17	#4416	ALUMINUM SNAP-ON CAP
18	-	SEALANT SPECTREM 2 OR SILPRUF SCS 2000
19	-	NEOPRENE SITTING BLOCK $\frac{1}{4}$ " x $\frac{1}{2}$ " x 3" (AT L/4)
20	-	#10 RH SS SCREW x $\frac{3}{4}$ " LONG
21	-	KEEPERS SAVIO #1246.835
22	-	EIGHT POINT MECHANISM FERCO G-21064-40-P-8 LOCKING SYSTEM WITH DEAD BOLT
23	-	HANDLE FERCO M-050920 & MIDDLE KEEPER FERCO #6-26037-24-R-3
24	-	POP RIVET - 1/8" DIAMETER
25	-	ALUMINUM FLASHING $\frac{1}{16}$ "
26	-	3 PIECE BOLT ALUMINUM HINGE SAVIO #1122.1 SEALED WITH FOAM TAPE
27	#4479	ALUMINUM FRAME - SILL FOR BALCONY DOOR
28	#4631	ALUMINUM SNAP-ON CAP
29	-	#8 RH SS SCREW x 1" LONG
30	-	#8 RH SS SCREW x 1 1/2" LONG

REVISIONS:	BY:
R1 06/22/2007	D.L.
R2 03/10/2008	J.C.
R3 08/12/2008	J.F.L.

Approved as complying with the Florida Building Code  
Date OCT 02, 2008  
NOA# 08-0513-11  
Miami Dade Product Control Division  
By Shrey I. Chandra

**STRUCTURAL DESIGN INC.**  
CONSULTING STRUCTURAL ENGINEERS  
9597 N. KENDALL DR. SUITE NO. 209  
MIAMI, FLORIDA 33176 CERTIFICATE # 8803  
  
8/15/08  
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FAX: (305) 595-8966 FL. REG. #38001

MANUFACTURER:  
  
U.S.A.  
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TITLE:  
TEST # 90  
BALCONY DOOR  
42" X 120"  
+110/-130 PSF  
SMALL IMPACT  
BILL OF MATERIAL

SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ	
DATE: 04/19/2006	DRAWING NO. T-90	SHEET NO. 7 of 7