



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

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Gamma USA, Inc.
15407 West Dixie Highway
North Miami Beach, Fl. 33130

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 "55.3" Window wall System-S. M. Impact

APPROVAL DOCUMENT: Drawing No. T-55-3, titled "Test #55.3 Widow wall", sheets 1 through 5 of 5, dated 20/08/2002 and last revised on 02/11/2008, 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 05-0811.05
Expiration Date: March 13, 2013
Approval Date: March 13, 2008

2/19/08

Gamma USA, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **T-55-3**, titled "Test #55.3 Widow Wall", sheets 1 through 5 of 5, dated 20/08/2002 and last revised on 02/11/2008, 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 Window Wall System, prepared by Fenestration Testing Laboratory Inc, Test Report No. **FTL-3561(FTL-02117)**, dated 09/11/02, signed & sealed by Joseph Chan, P.E. and reviewed & reissued by Edmundo Largaespada, P. E.

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC-2004, dated 06/03/05. 12/19/07 and revised on 02/11/2008, prepared by Structural design Inc, Farrokh Rasekhi, P.E.
2. Glazing complies with ASTM E-1300-98 and 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, for "Saflex III G clear & color interlayer", expiring on 05/21/2011

F. STATEMENTS

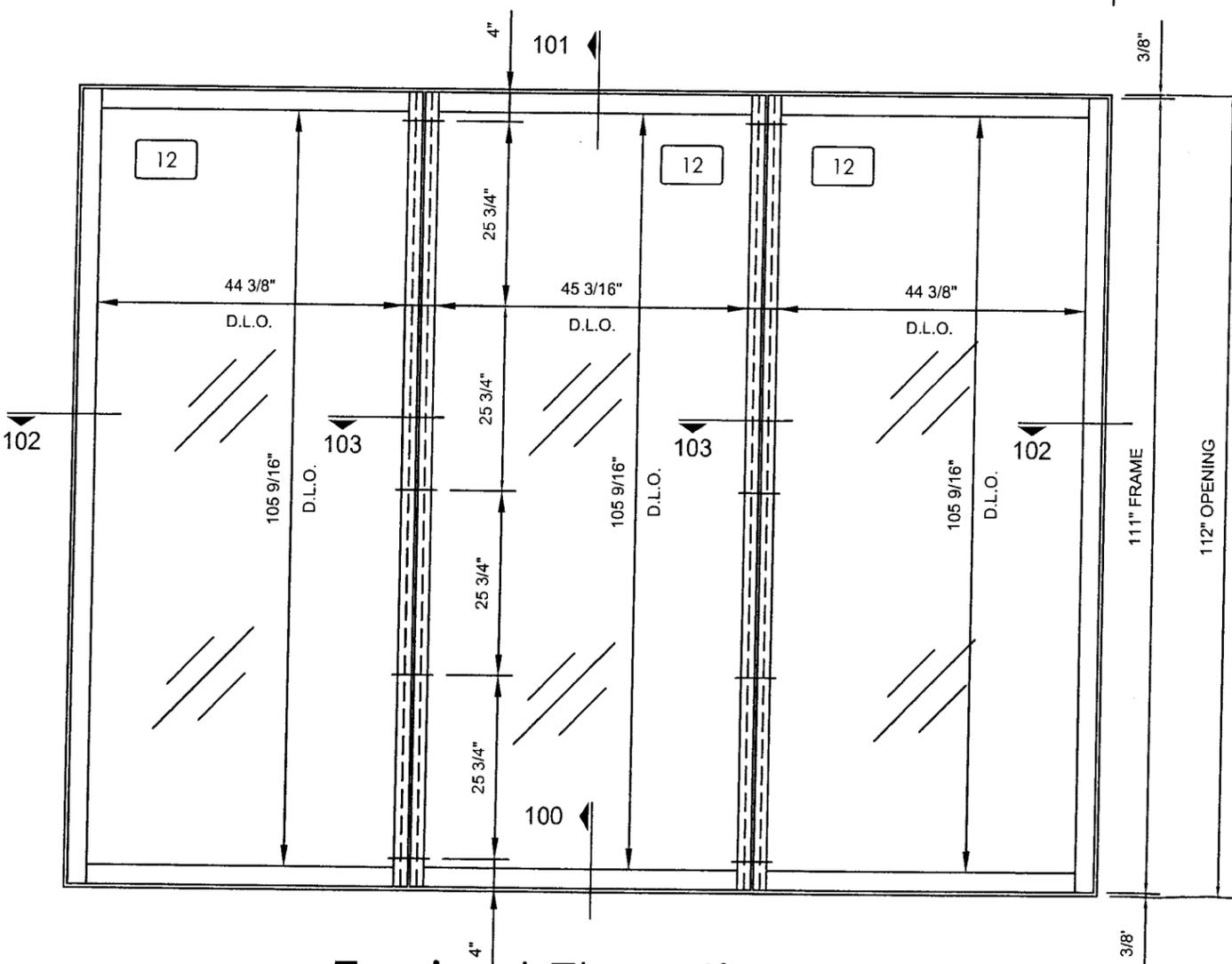
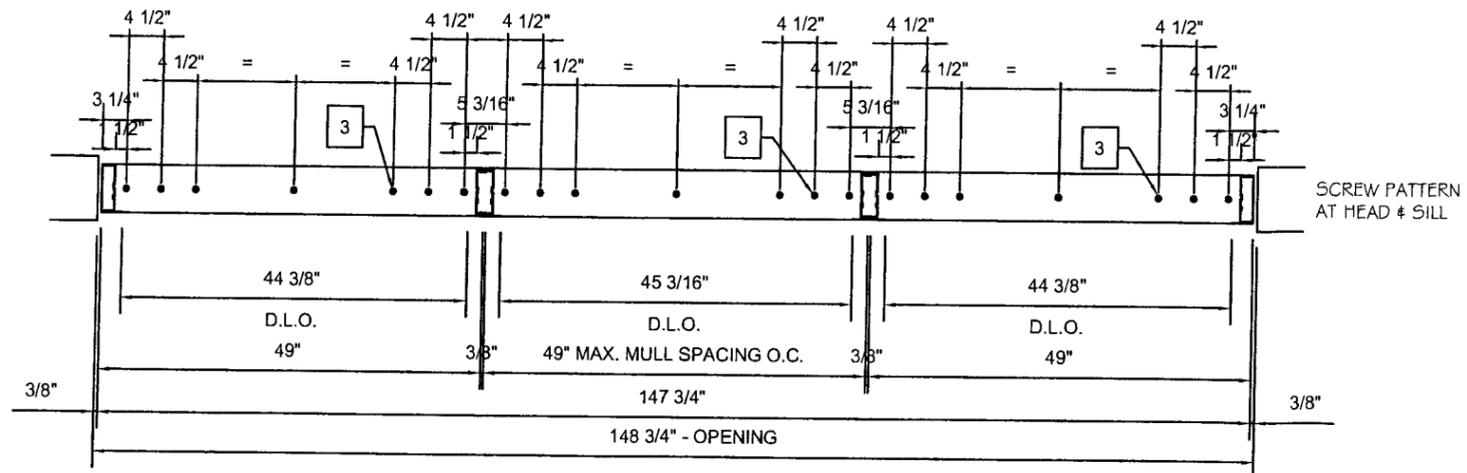
1. Statement letters of conformance and "No financial interest", both dated June 17, 2005, signed and sealed by Frank L. Bennardo, P.E.
2. Statement of compliance, issued as part of the above referenced test report issued by Fenestration Testing Laboratory Inc.

G. OTHER

1. None

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 05-0811.05
Expiration Date: March 13, 2013
Approval Date: March 13, 2008



**Typical Elevation
Exterior View**

GENERAL NOTES

- GLASS TYPE: 9/16" LAMINATED GLASS
1/4" TEMPERED GLASS
0.060 SAFLEX/KEEPSAFE PVB BY SOLUTIA
1/4" TEMPERED GLASS, LAMINATED BY PRELCO
- MAXIMUM GLASS DIMENSION 46 11/16" x 107 1/16"
- ALL ALUMINIUM IS 6063 T6

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 BELOW 30 FT ABOVE THE GRADE

- NOTES:**
- 1- 3/8" MAX SHIM SPACE
 - 2- REFER TO BILL OF MATERIEL FOR COMPLETE DESCRIPTION
 - 3- CONCRETE APPLICATION 3000 PSI MIN.

DESIGN PRESSURE RATING
 + 110 PSF, - 170 PSF

Approved as complying with the
Florida Building Code
 Date MAR 13, 2008
 NOA# 05-0811-05
 Miami Dade Product Control
 Division
 By Ishag J. Lhanda

REVISIONS:	BY:
R2 12/09/2002	R.R.
R3 18/04/2005	D.L.
R4 06/01/2006	D.L.
R5 09/25/2006	M.P.
R6 11/24/2006	M.P.
R7 02/11/2008	A.P.

STRUCTURAL DESIGN INC.
 CONSULTING STRUCTURAL ENGINEERS
 9795 N. KENDALL DR. SUITE NO. 209
 MIAMI, FLORIDA 33176 CERTIFICATE #: 8803

Farrokh Rasekhi
 2/11/08

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

MANUFACTURER:

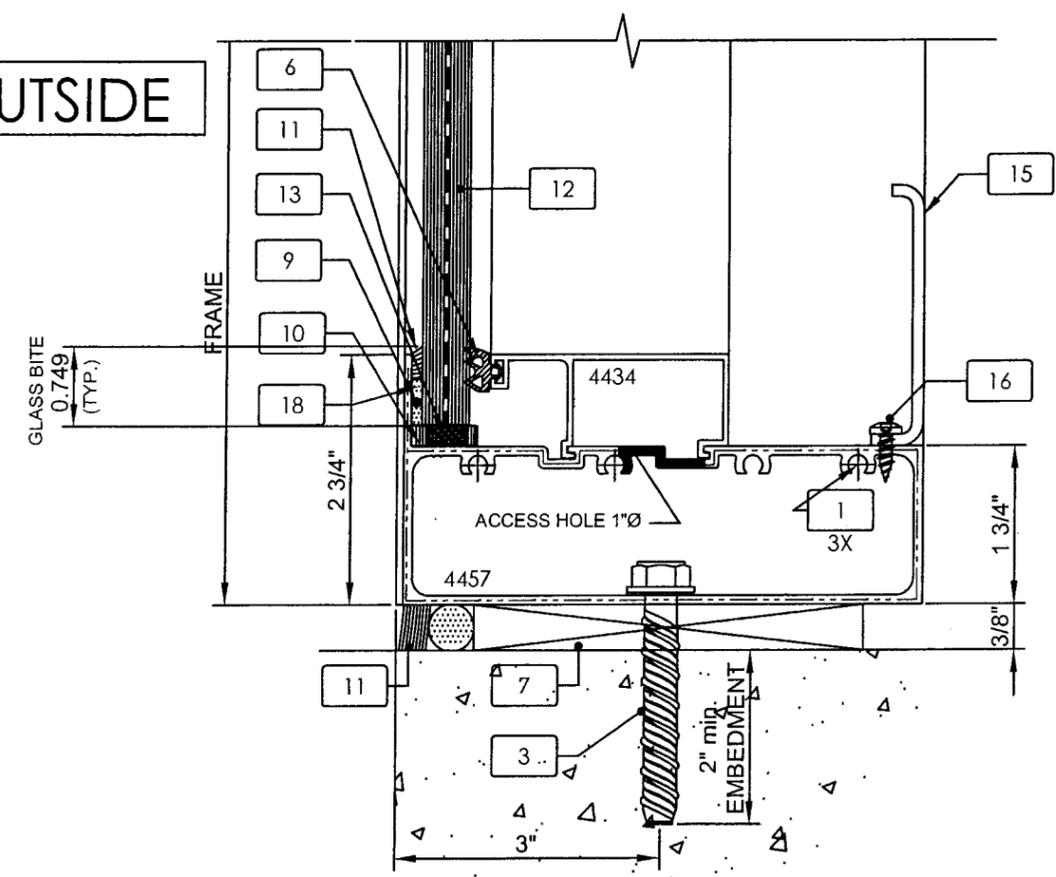
Gamma
 Gamma Industrie Inc.
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 North Miami Beach, FL 33162

Phone: (305) 957-7004 Fax: (305) 957-7006
 Web site: www.gamma-online.com
 Email: tech@gamma-online.com

TITLE:
**TEST # 55.3
 WINDOW WALL
 49" x 111"
 +110 / -170 PSF
 SMALL IMPACT
 ELEVATION**

SCALE: 1/2" = 1'	DRAWN BY: RANDY ROSS	
DATE: 20/08/2002	DRAWING NO. T-55_3	SHEET NO. 1 OF 5

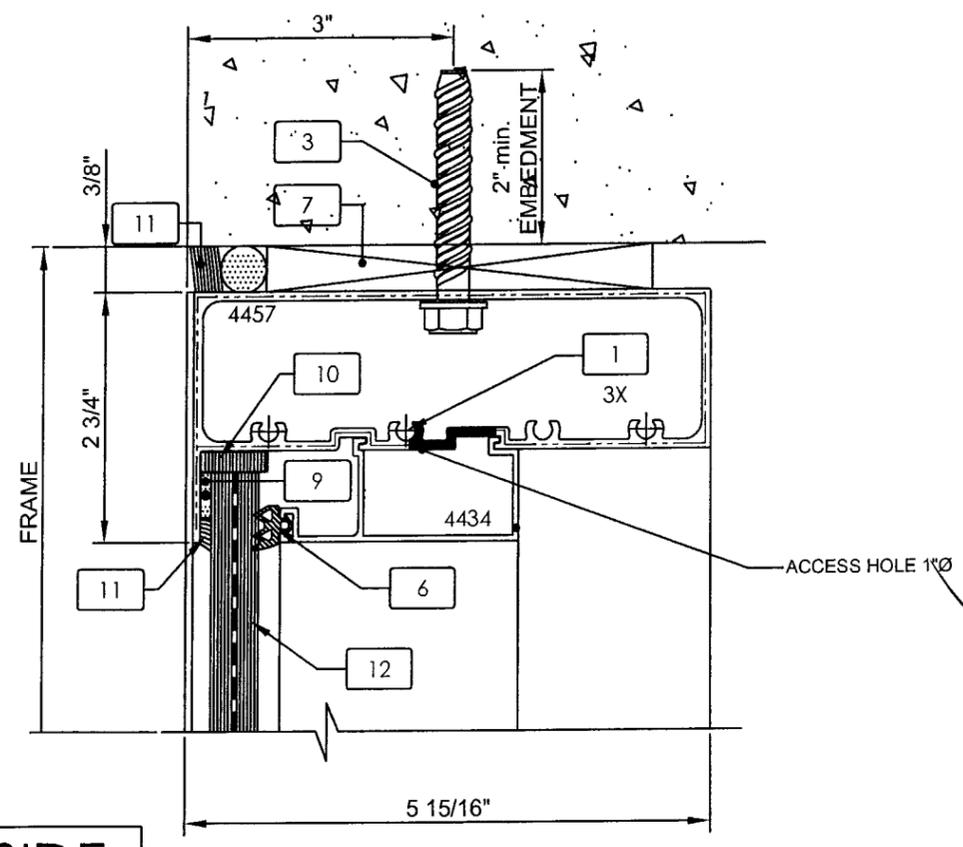
OUTSIDE



detail 100

FRAME CORNER AND HORIZONTAL MULLION SEAMS
SEALED WITH CLEAR SPECTREM 2

OUTSIDE



detail 101

Approved as complying with the
Florida Building Code
Date MAY 13, 2008
NOA# 05-0811-05
Miami Dade Product Control
Division
By Shag I. Chaudhary

REVISIONS:	BY:
R2 12/09/2002	R.R.
R3 18/04/2005	D.L.
R6 11/24/2006	M.P.
R7 02/11/2008	A.P.

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Farrokh Rasekhi
2/11/08

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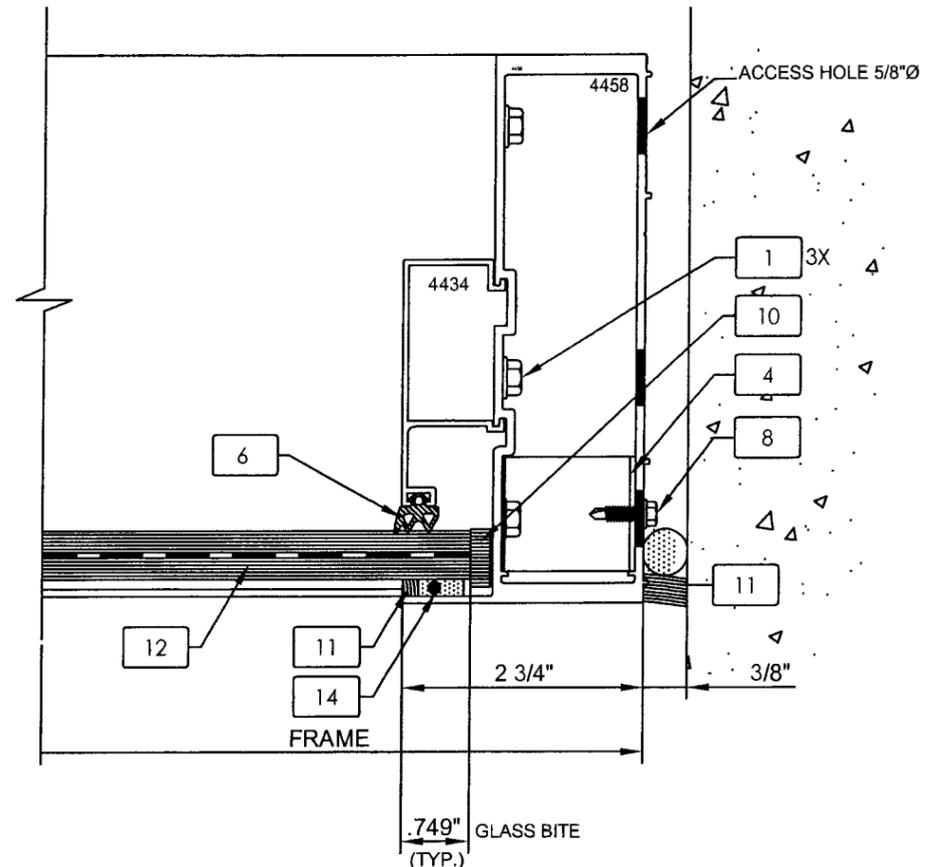
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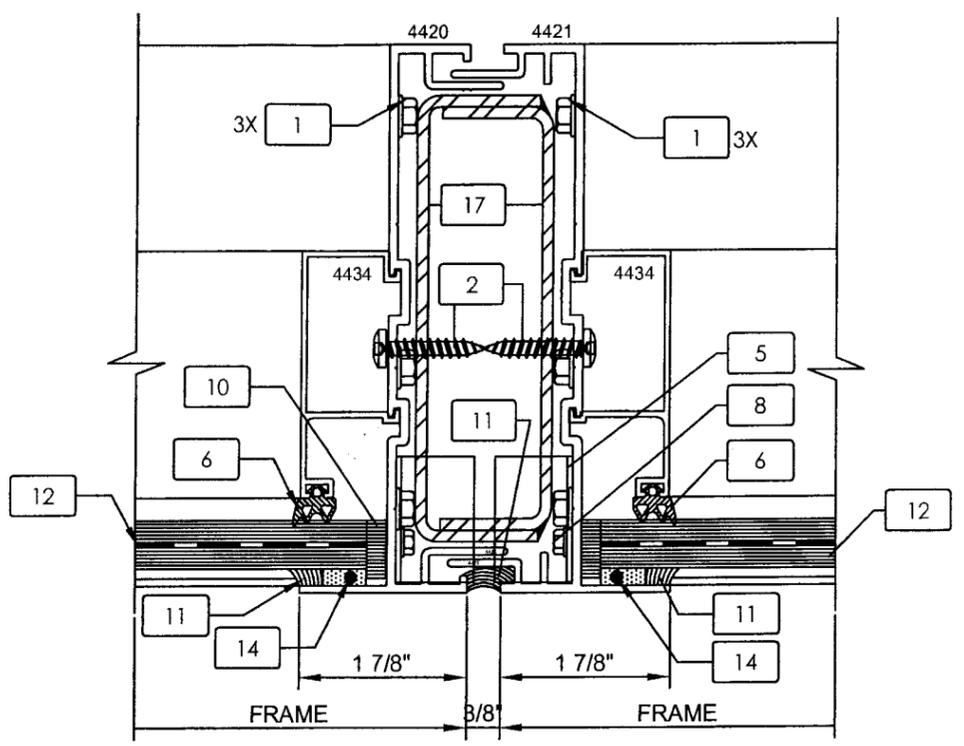
TITLE:

TEST # 55.3
WINDOW WALL
49" x 111"
+110 / -170 PSF
SMALL IMPACT
DETAILS 100 & 101

SCALE: 6" = 1'-0"	DRAWN BY: RANDY ROSS	
DATE: 20/08/2002	DRAWING NO. T-55_3	SHEET NO. 2 OF 5



OUTSIDE
detail 102



OUTSIDE
detail 103

Approved as complying with the
Florida Building Code
Date MAR 15, 2008
NOA# 05-0811-0
Miami Dade Product Control
Division
By Isag. Uande

REVISIONS:	BY:
R2 12/09/2002	R.R.
R3 18/04/2005	D.L.
R6 11/24/2006	M.P.
R7 02/11/2008	A.P.

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9595 N. KENDALL DR. SUITE NO. 209
MIAMI, FLORIDA 33176
CERTIFICATE # 8803

Farrokh Rasekhi
2/11/08

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

MANUFACTURER:

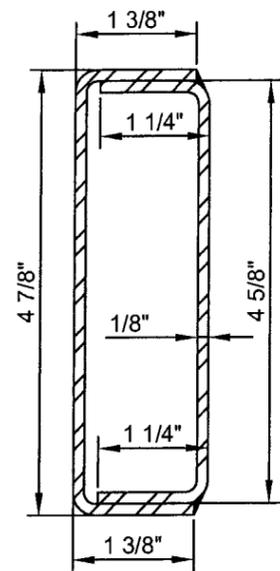
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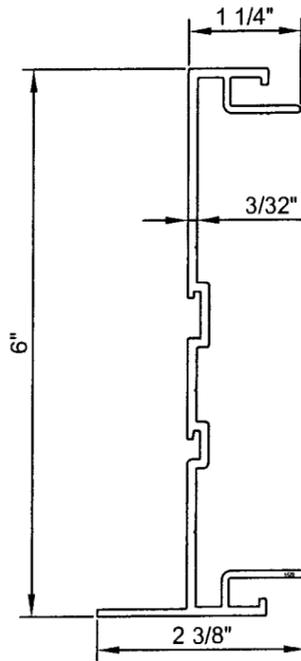
TITLE:

TEST # 55.3
WINDOW WALL
49" x 111"
+110 / -170 PSF
SMALL IMPACT
DETAILS 102 & 103

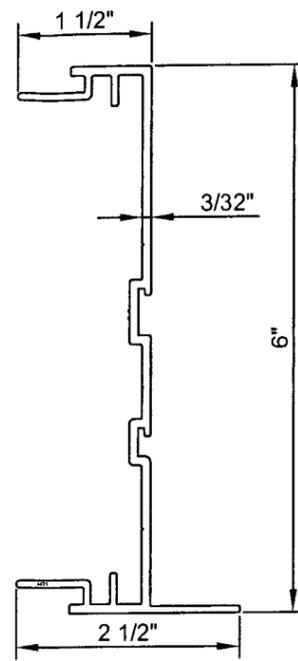
SCALE:	DRAWN BY:	
6" = 1'-0"	RANDY ROSS	
DATE:	DRAWING NO.	SHEET NO.
20/08/2002	T-55_3	3 OF 5



17 FOLDED STEEL REINFORCEMENT
(FY= 36 KSI)

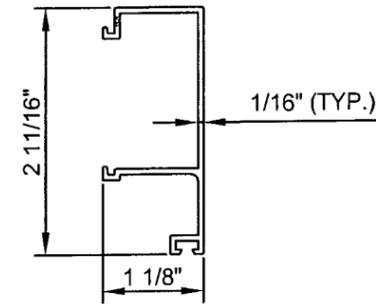


4420 ALUMINUM SPLIT MULLION (FEMALE)



4421 ALUMINUM SPLIT MULLION (MALE)

6 # 3054 EDPM GASKET



4434 ALUMINUM SNAP-ON CAP

REVISIONS:	BY:
R2 12/09/2002	R.R.
R3 18/04/2005	D.L.
R6 11/24/2006	M.P.
R7 02/11/2008	A.P.

CONSULTING STRUCTURAL ENGINEERS
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 MIAMI, FLORIDA 33176 CERTIFICATE #: 8803

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 TEL: (305) 595-8965 FARROKH RASEKHI, P.E.
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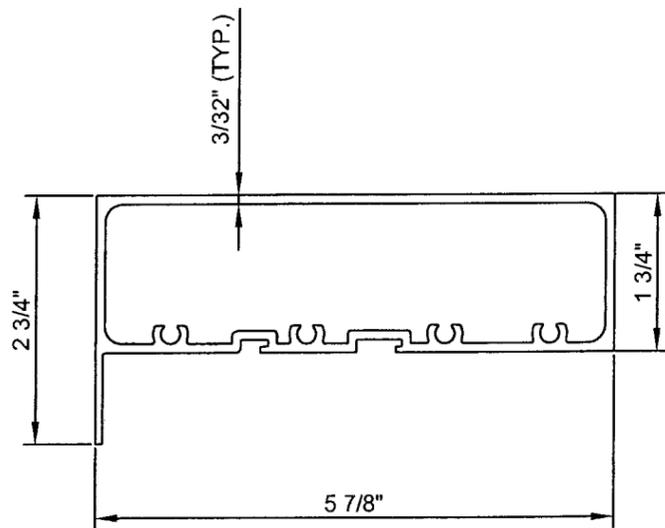
Approved as complying with the
 Florida Building Code
 Date: MAR 13, 2008
 NOA#: 05-0811-05
 Miami Dade Product Control
 Division
 By: Shrey I. Choudhary

MANUFACTURER:

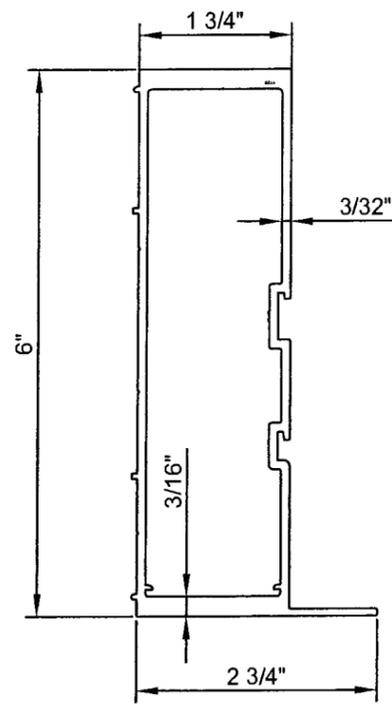
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TITLE:
TEST 55.3
WINDOW WALL
49" x 111"
+110 / -170 PSF
SMALL IMPACT
GAMMA'S EXTRUSIONS

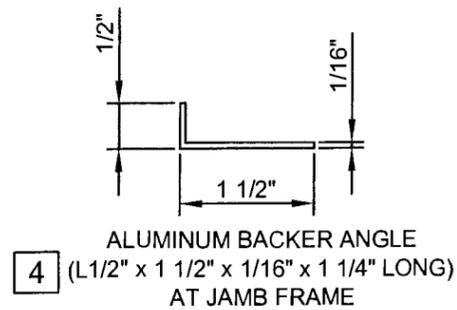
SCALE: 6" = 1'-0"	DRAWN BY: D. LABBÉ	
DATE: 18/04/2005	DRAWING NO. T-55_3	SHEET NO. 4 OF 5



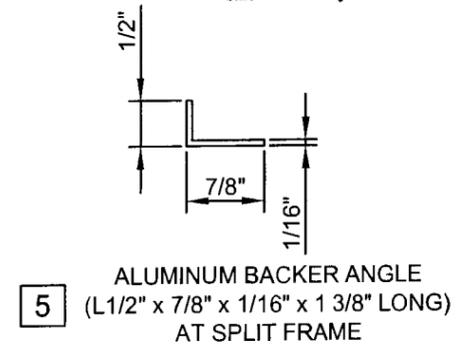
4457 ALUMINUM FRAME HEAD AND SILL



4458 ALUMINUM STRUCTURAL JAMB



4 ALUMINUM BACKER ANGLE
(L1/2" x 1 1/2" x 1/16" x 1 1/4" LONG)
AT JAMB FRAME



5 ALUMINUM BACKER ANGLE
(L1/2" x 7/8" x 1/16" x 1 3/8" LONG)
AT SPLIT FRAME

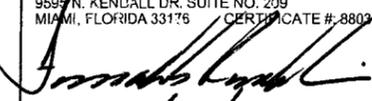
FOR MORE SPECIFIC
 DIMENSIONS PLEASE
 REFER TO THE
 SPECIFICATION SHEET
 FOR EACH EXTRUSIONS

DESCRIPTION

1	#14 X 1-1/2" HH SST SCREW 3X AT TOP & BOTTOM
2	#14 X 1" R.H. STS SCREW 1" LONG. (SEE ELEVATION)
3	3/8" DIAMETER WEDGE BOLT - 2" MIN. EMBEDMENT (POWER FASTNER ANCHOR)
4	ALUMINUM BACKER ANGLE L1/2" x 1 1/2" x 1/16" x 1 1/4" LONG
5	ALUMINUM BACKER ANGLE L1/2" x 7/8" x 1/16" x 1 3/8" LONG
6	EPDM GASKET #3054
7	PVC "U" SHIM
8	#8 HH SELF DRILLING SCREW x 5/8" LONG
9	POLYSHIM 1/8"
10	SILICONE SEALANT SPECTREM 2 OR SILPRUF 3" LONG AT EACH GLASS CORNER HEAD AND SILL 6" STRIP AT MID SPAN OF GLASS, JAMB 6" STRIP AT 24", 59, 78
11	SILICONE SEALANT SPECTREM OR SILPRUF SCS 2000
12	9/16" LAMINATED GLASS: 1/4" TEMPERED GLASS .060 SAFLEX/KEEPSAFE PVB BY SOLUTIA 1/4" TEMPERED GLASS, LAMINATED BY PRELCO
13	1/4 X 1/2 X 3 NEOPRENE SITTING BLOCK AT L/4, 2 AT SILL OF EACH SECTION
14	POLYSHIM 3/16" (LOAD BEARING SHIM)
15	ALUMINUM CHANNEL .093" THICK 2 7/8"
16	R.H. # 10 STS SCREW 1/2" LONG @ 16" C/C
17	FOLDED STEEL REINFORCEMENT 1/8" THICK (SEE DETAILS 103) (FY= 36 KSI)
18	BUTYL TAPE
	#4420 ALUMINIUM SPLIT MULLION (FEMALE)
	#4421 ALUMINIUM SPLIT MULLION (MALE)
	#4434 ALUMINUM SNAP-ON CAP
	#4457 ALUMINUM FRAME HEAD AND SILL
	#4458 ALUMINUM STRUCTURAL JAMB

Approved as complying with the
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Date MAR 13, 2005
NOA# 05-0811-05
Miami Dade Product Control
Division
By Shag I. Chaudh

REVISIONS:	BY:
R2 12/09/2002	R.R.
R3 18/04/2005	D.L.
R6 11/24/2006	M.P.
R7 02/11/2008	A.P.


 STRUCTURAL DESIGN INC.
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 9599 N. KENDALL DR. SUITE NO. 209
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2/11/08
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TITLE:

TEST 55.3
 WINDOW WALL
 49" x 111"
 +110 / -170 PSF
 SMALL IMPACT
 BILL OF MATERIAL

SCALE:	DRAWN BY:	
N.T.S.	RANDY ROSS	
DATE:	DRAWING NO.	SHEET NO.
20/08/2002	T-55_3	5 OF 5