



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.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

Gamma USA, Inc.
5600 N. W. 37th 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 "55.1" Aluminum Window wall System w/Louver & 171 degree corner -S. M.I.

APPROVAL DOCUMENT: Drawing No. T-55.1, titled "Test # 55.1 Louver/ Window Wall", sheets 1 through 9 of 9, dated 29/08/2002 and last revised on 08/22/2008, 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 05-0510.01
Expiration Date: September 11, 2013
Approval Date: September 11, 2008

8/22/08

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **T-55.1**, titled "Test # 55.1 Louver/ Window Wall", sheets 1 through 9 of 9, dated 29/08/2002 and last revised on 08/22/2008, prepared by Structural design Inc., signed and sealed by Farrokh Rasekhi, P.E.

B. TESTS Original test was conducted per SFBC, PA 201, 202 & 203-94 now known as FBC, TAS 201, 202 & 203-94.

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) Small Missile impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of Window Wall System w/ Louver, prepared by Fenestration Testing Laboratory Inc, Test Report No. **FTL-3562 (FTL-02115)**, dated 09/30/02, signed & sealed by Edmundo Largaespada, P. E.

Note: This test report has been revised by an addendum letter dated 08/22/08, issued by Fenestration Testing Lab.

C. CALCULATIONS

1. Anchor verification calculations, dated 08/21/08 and revised on 08/22/2008, prepared by Structural design Inc, 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, for "Saflex IIIG clear & color interlayer", expiring on 05/21/2011

F. STATEMENTS

1. Statement letters of conformance and "No financial interest", dated August 22, 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.
3. Addendum letter to test report FTL-3562, dated 08/22/08 issued by Fenestration testing Laboratory Inc.

G. OTHER

1. None



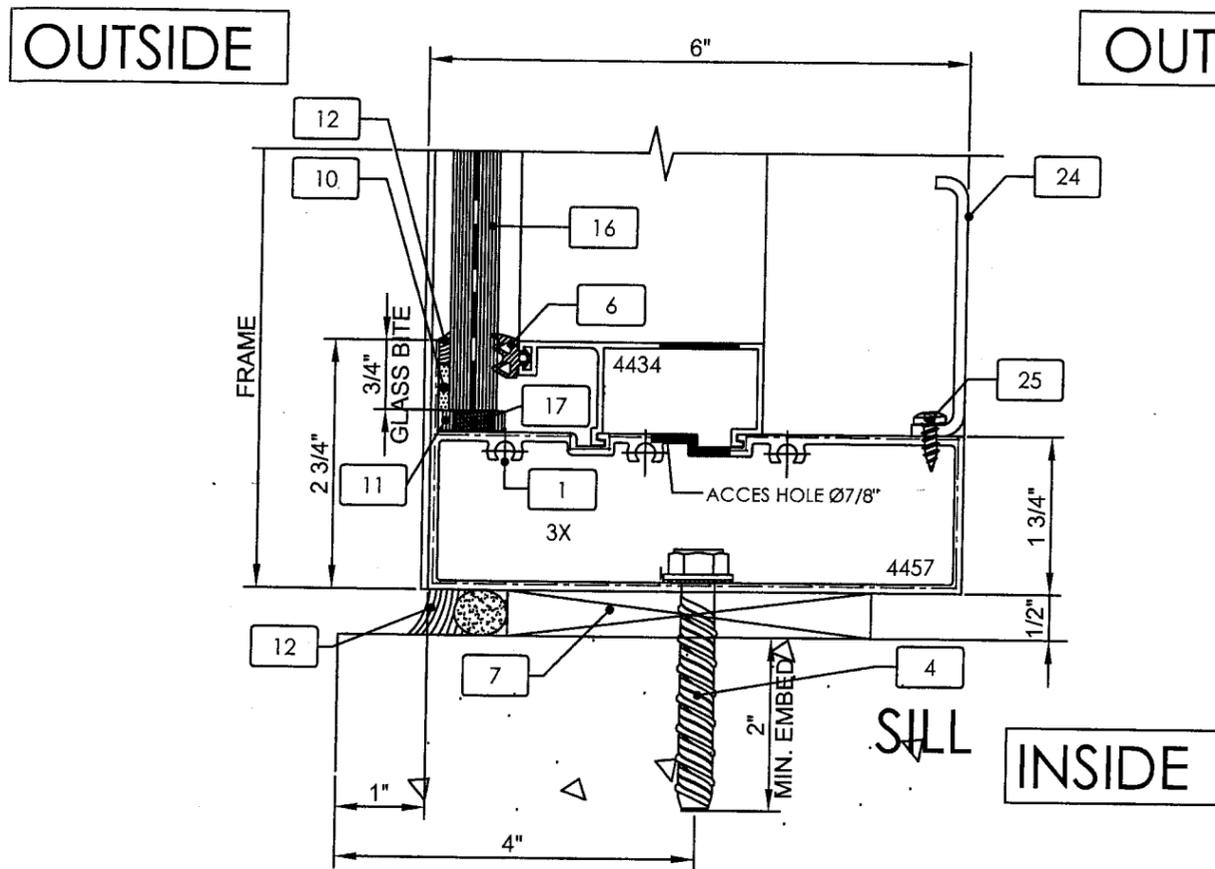
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 05-0510.01

Expiration Date: September 11, 2013

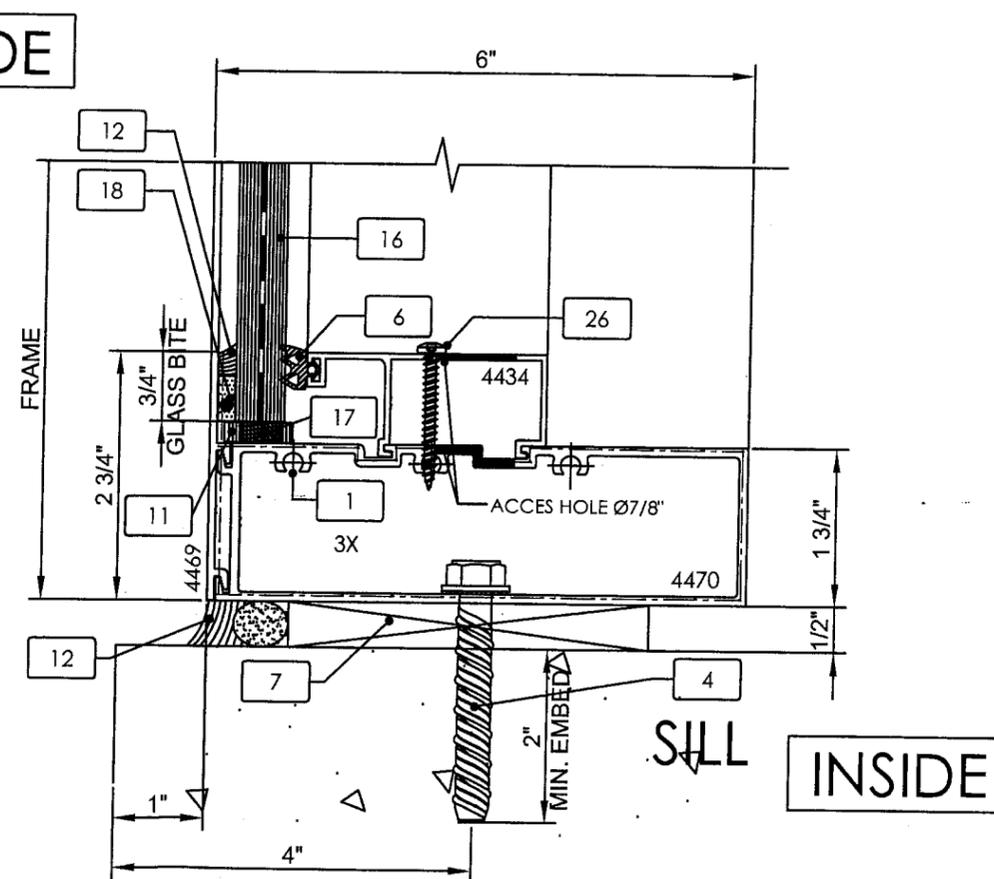
Approval Date: September 11, 2008

Approved as complying with the
 Florida Building Code
 Date SEPT 1, 2008
 NOAH# 05-0510.0
 Miami Dade Product Control
 Division
 By Shag I. Lhanda

REVISIONS:	BY:
R1 10/09/2002	R.R.
R2 05/04/2004	D.L.
R3 04/15/2005	D.L.
R4 08/15/2008	J.C.
R5 08/19/2008	J.F.L.



detail 100



detail 101

FRAME CORNER AND HORIZONTAL MULLION SEAMS
 SEALED WITH CLEAR COLORED GUTTER SEAL

STRUCTURAL DESIGN INC.
 CONSULTING STRUCTURAL ENGINEERS
 9575 N. KENDALL DR. SUITE NO. 205
 MIAMI, FLORIDA 33176
 CERTIFICATE #: 8803
Signature
 8/21/08
 TEL: (305) 595-8965 FARROKH RASEKHI, P.E.
 FAX: (305) 595-8966 FL. REG. #38001

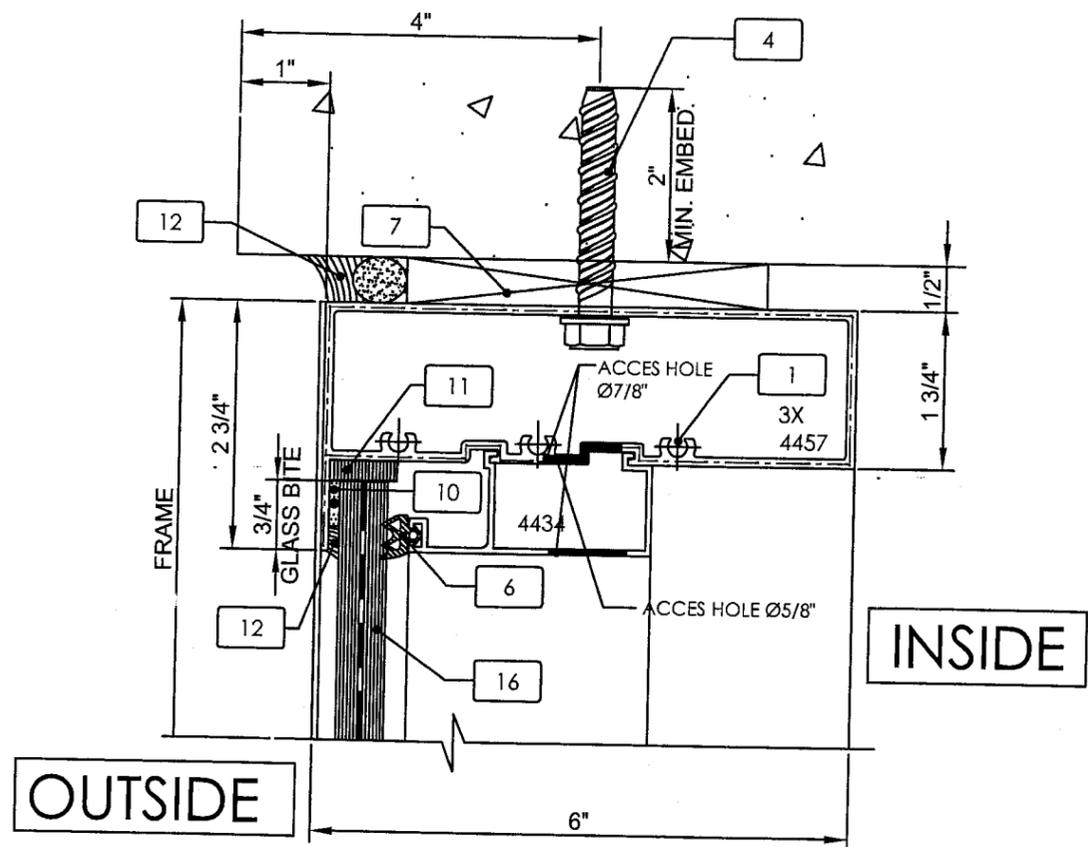
MANUFACTURER:
Gamma
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 6130, BOUL. STE-ANNE
 L'ANGE GARDIEN (QUÉBEC)
 G0A 2K0
 Phone: (418) 822-1448 Fax: (418) 822-1533
 Web site: www.gammaindustries.ca
 E-mail: info@gamma-online.com

TITLE:
 TEST # 55.1
 LOUVER / WINDOW WALL
 49" X 111"
 +100/-100 PSF
 SMALL IMPACT
 DETAILS 100 & 101

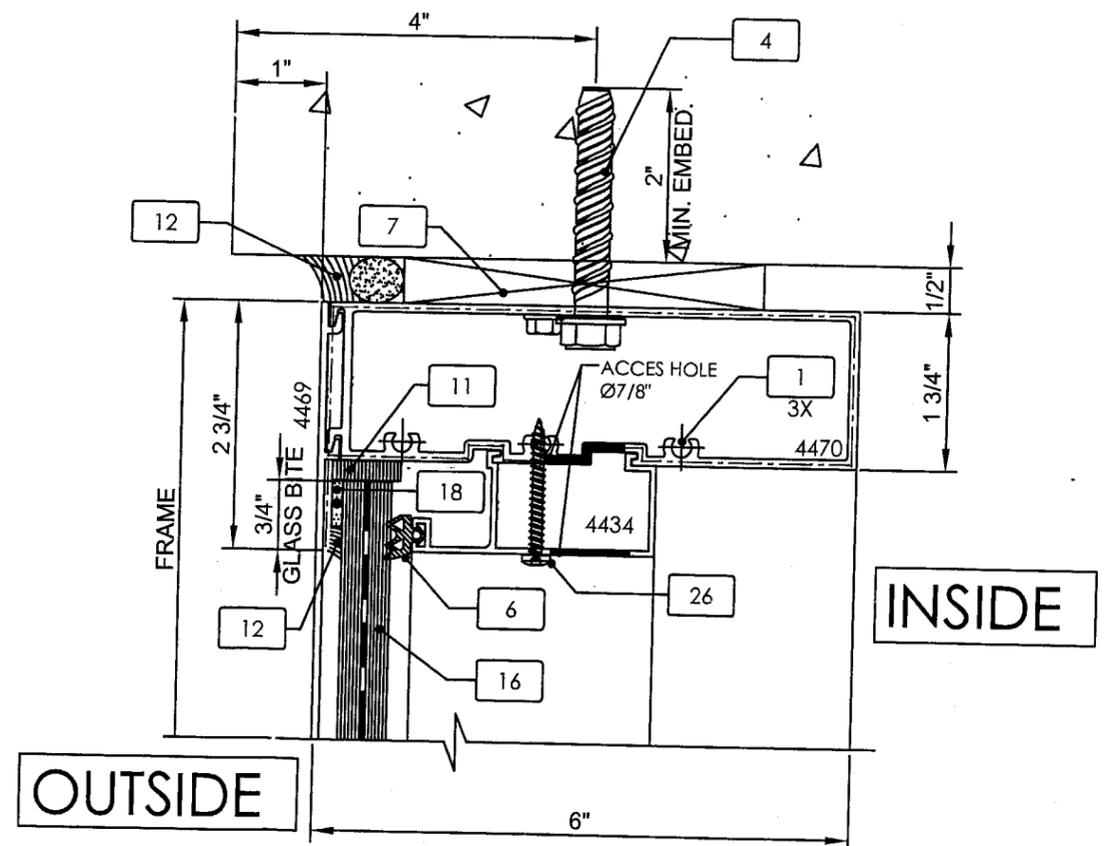
SCALE: 6" = 1'-0"	DRAWN BY: RANDY ROSS
DATE: 29/08/2002	DRAWING NO. SHEET NO. T-55.1 2 OF 9

Approved as complying with the
 Florida Building Code
 Date SEP 11, 2008
 NOA# 05-0510-01
 Miami Dade Product Control
 Division
 By Shag I. Chanda

REVISIONS:	BY:
R1 10/09/2002	R.R.
R2 05/04/2004	D.L.
R3 04/15/2005	D.L.
R4 08/15/2008	J.C.
R5 08/19/2008	J.F.L.



detail 102



detail 103

STRUCTURAL DESIGN INC.
 CONSULTING STRUCTURAL ENGINEERS
 9555 N. KENDALL DR., SUITE NO. 200
 MIAMI, FLORIDA 33176
 CERTIFICATE # 38007
J. Farrok Rasekhi
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 FARROKH RASEKHI, P.E.
 FL. REG. #38001

MANUFACTURER:
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 G0A 2K0
 Phone: (418) 822-1448 Fax: (418) 822-1533
 Web site: www.gammaindustries.ca
 E-mail: info@gamma-online.com

TITLE:
 TEST # 55.1
 LOUVER / WINDOW WALL
 49" X 111"
 +100/-100 PSF
 SMALL IMPACT
 DETAILS 102 & 103

SCALE: 6" = 1'-0"	DRAWN BY: RANDY ROSS	
DATE: 29/08/2002	DRAWING NO. T-55.1	SHEET NO. 3 OF 9

Approved as complying with the
 Florida Building Code
 Date SEP 11, 2008
 NOA# 05-0570-01
 Miami Dade Product Control
 Division
 By Shag I. Claude

REVISIONS:	BY:
R1 10/09/2002	R.R.
R2 05/04/2004	D.L.
R3 04/15/2005	D.L.
R4 08/15/2008	J.C.
R5 08/19/2008	J.F.L.

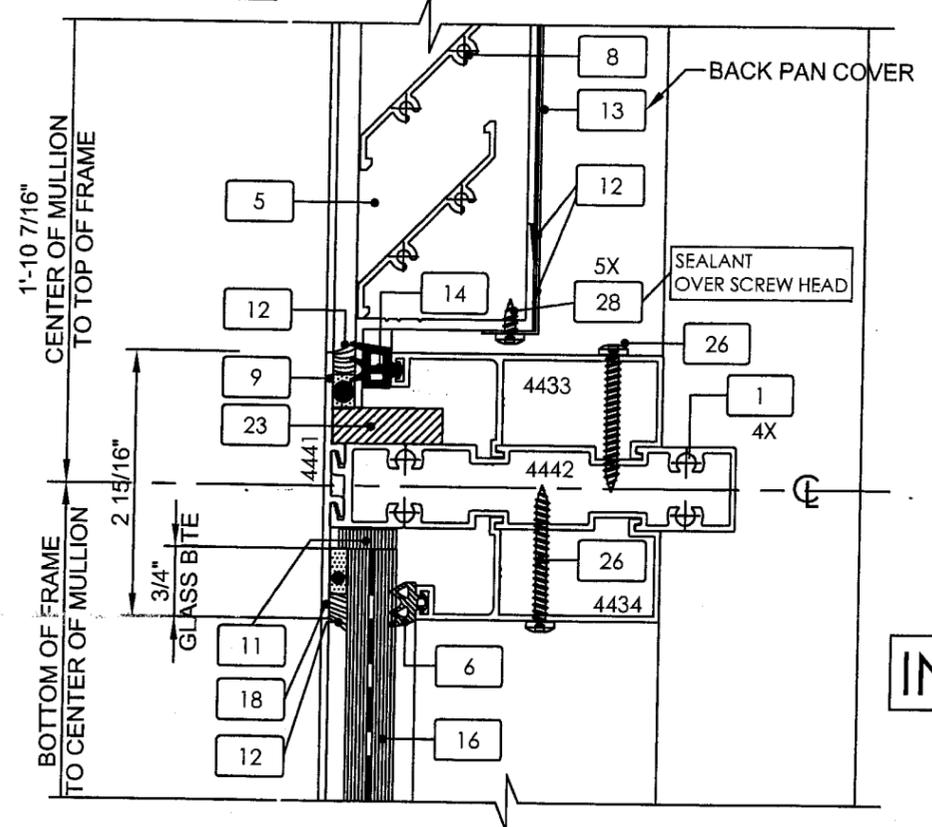
STRUCTURAL DESIGN INC.
 CONSULTING STRUCTURAL ENGINEERS
 9596 N. KENDALL DR. SUITE NO. 209
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MANUFACTURER:
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TITLE:
TEST # 55.1
LOUVER / WINDOW WALL
49" X 111"
+100/-100 PSF
SMALL IMPACT
DETAILS 104 & 105

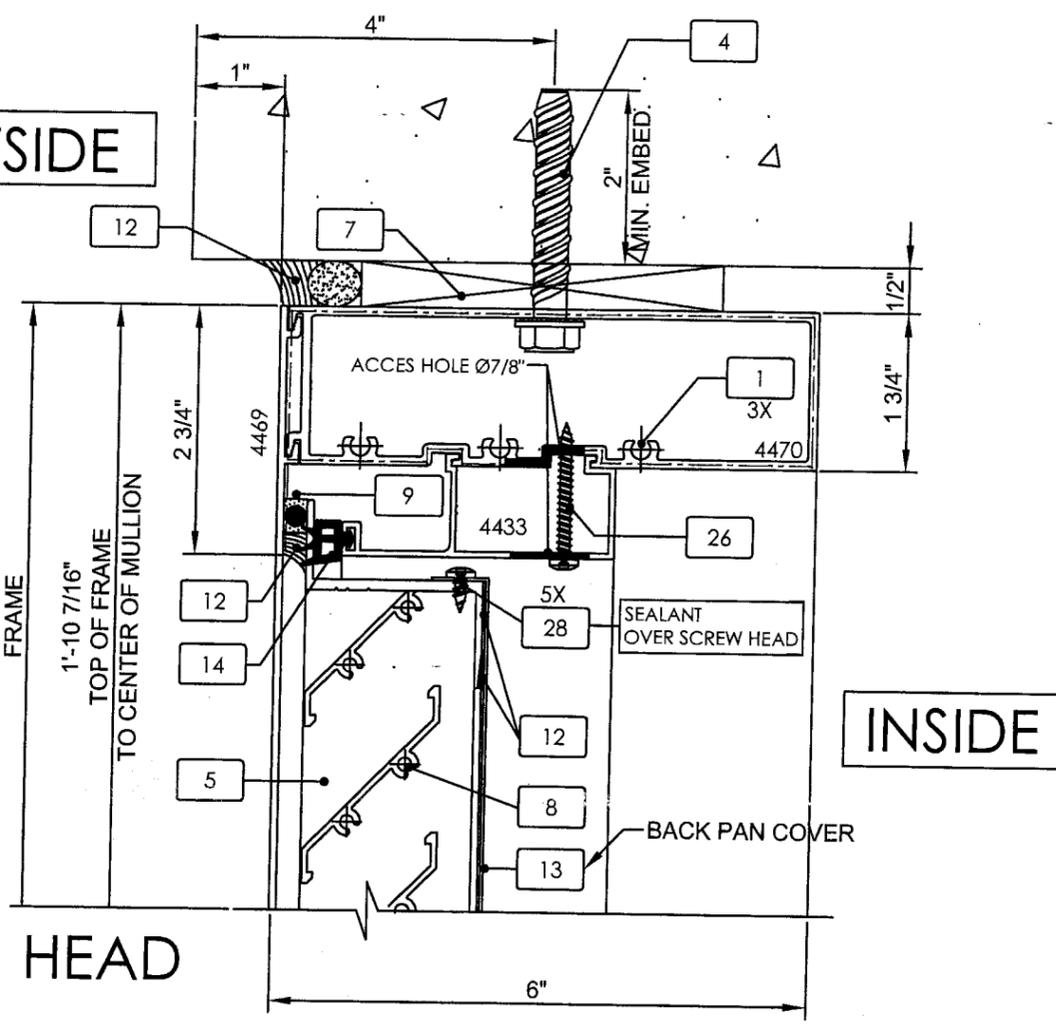
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DATE: 28/08/2002	DRAWING NO. T-55.1	SHEET NO. 4 OF 9

OUTSIDE



detail 104

OUTSIDE



detail 105

Approved as complying with the
 Florida Building Code
 Date SEP 11, 2008
 NOA# 05-0510-01
 Miami Dade Product Control
 Division
Chag I. Chaudh

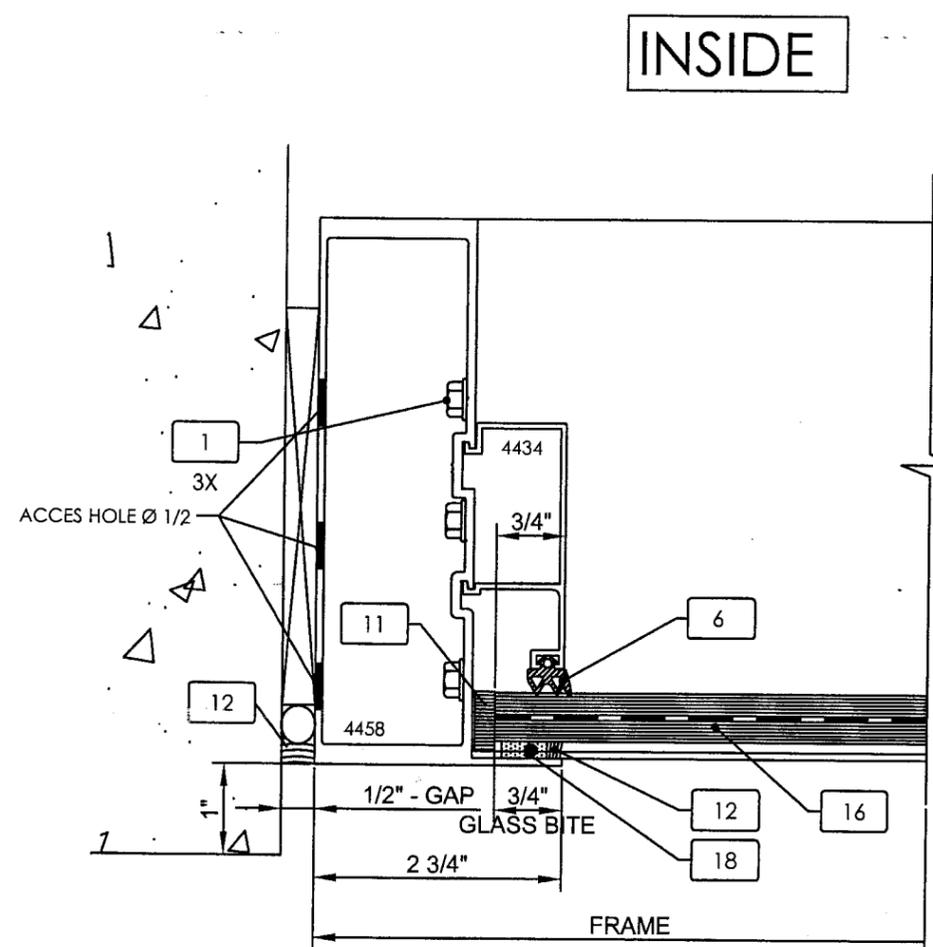
REVISIONS:	BY:
R1 10/09/2002	R.R.
R2 05/04/2004	D.L.
R3 04/15/2005	D.L.
R4 08/15/2008	J.C.
R5 08/19/2008	J.F.L.

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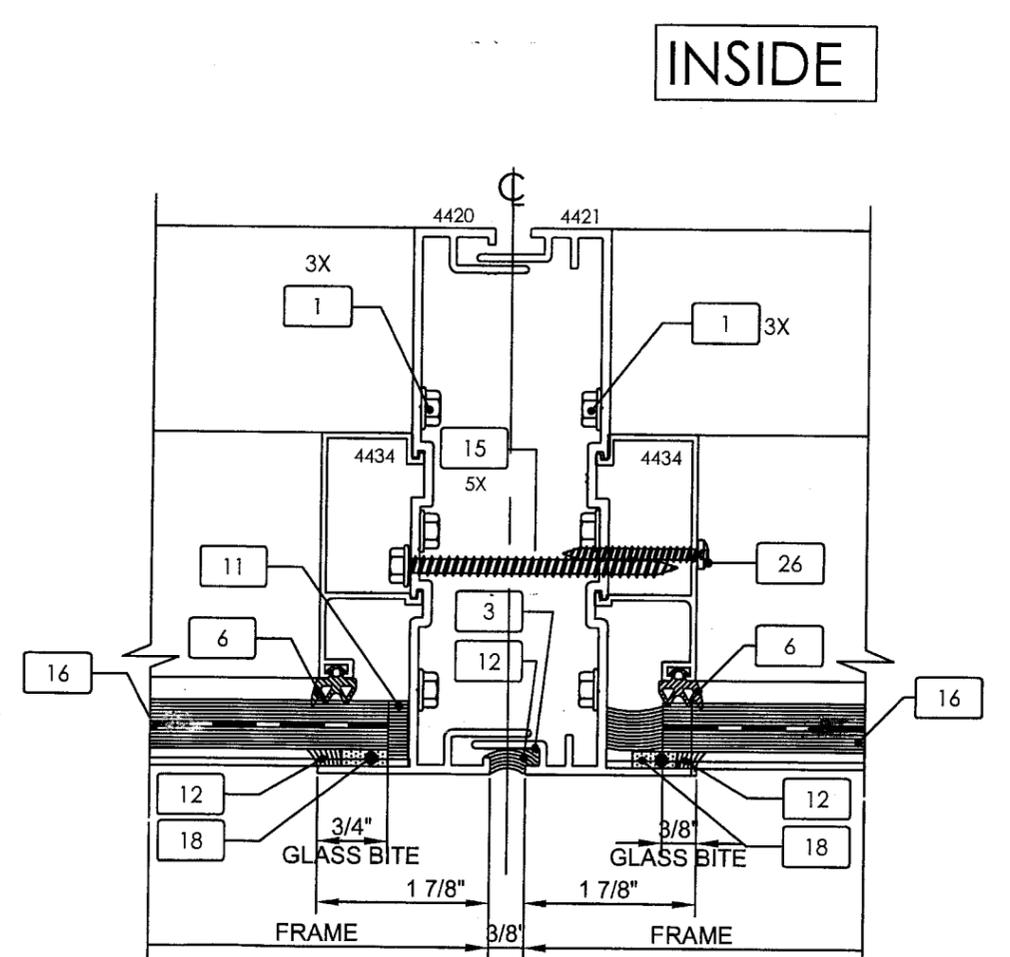
MANUFACTURER:
Gamma
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 6130, BOUL. STE-ANNE
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 GOA 2K0
 Phone: (418) 822-1448 Fax: (418) 822-1533
 Web site: www.gammaindustries.ca
 E-mail: info@gamma-online.com

TITLE:
TEST # 55.1
LOUVER / WINDOW WALL
42" X 111"
+100/-100 PSF
SMALL IMPACT
DETAILS 106 & 107

SCALE: 6" = 1'-0"	DRAWN BY: RANDY ROSS	
DATE: 28/08/2002	DRAWING NO. T-55.1	SHEET NO. 5 OF 9



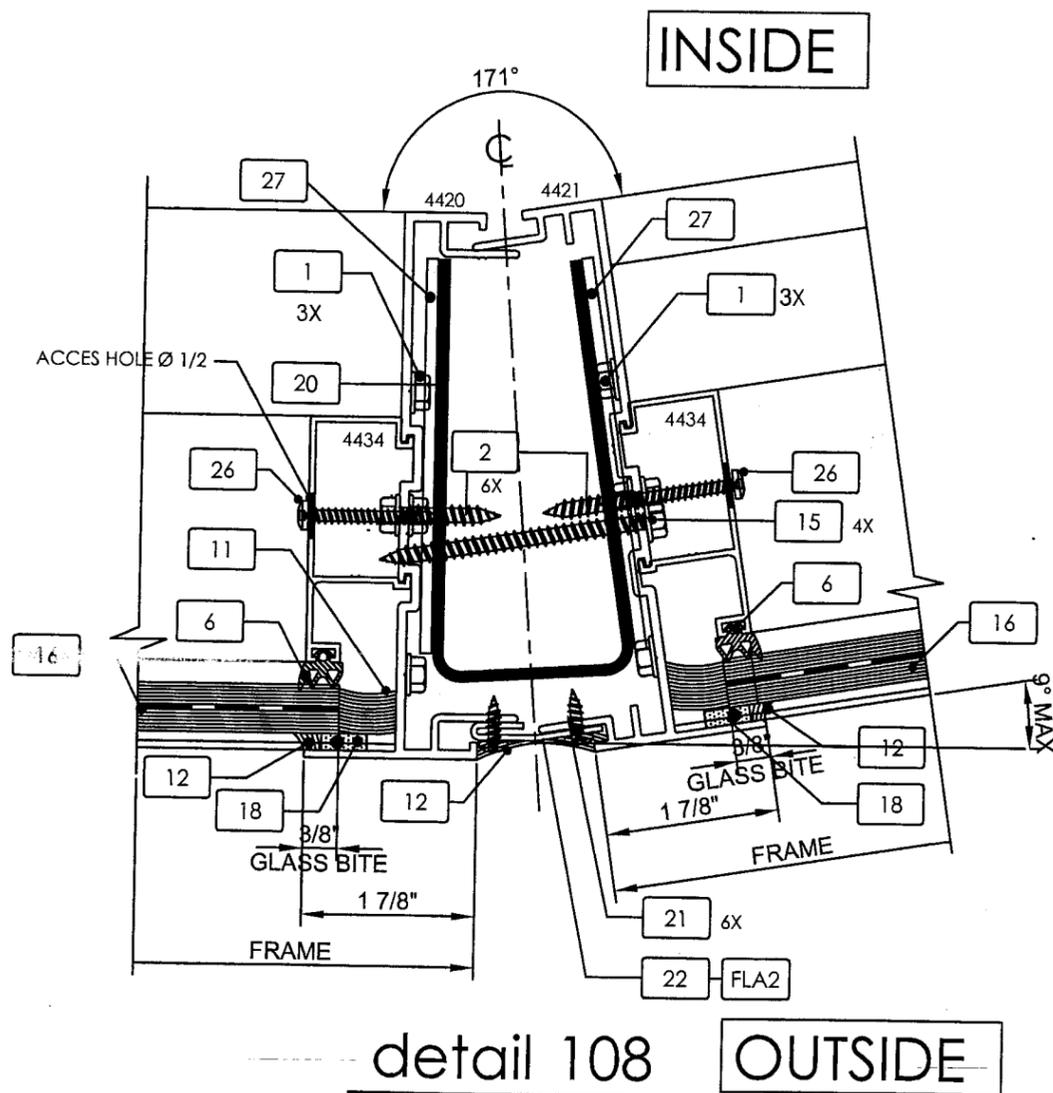
detail 106



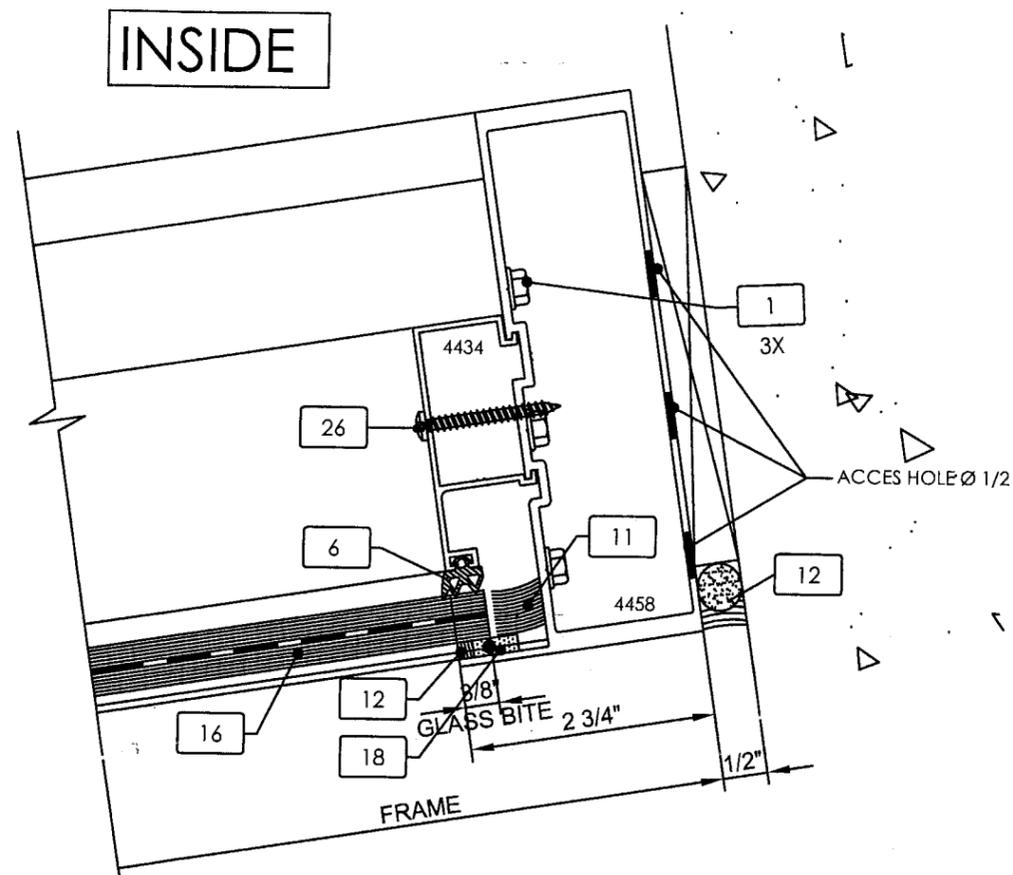
detail 107

Approved as complying with the
 Florida Building Code
 Date SEP 11, 2008
 NOA# 05-0510-01
 Miami Dade Product Control
 Division
 By Shag. Chand

REVISIONS:	BY:
R1 10/09/2002	R.R.
R2 05/04/2004	D.L.
R3 04/15/2005	D.L.
R4 08/15/2008	J.C.
R5 08/19/2008	J.F.L.



detail 108 **OUTSIDE**



detail 109 **OUTSIDE**

STRUCTURAL DESIGN INC.
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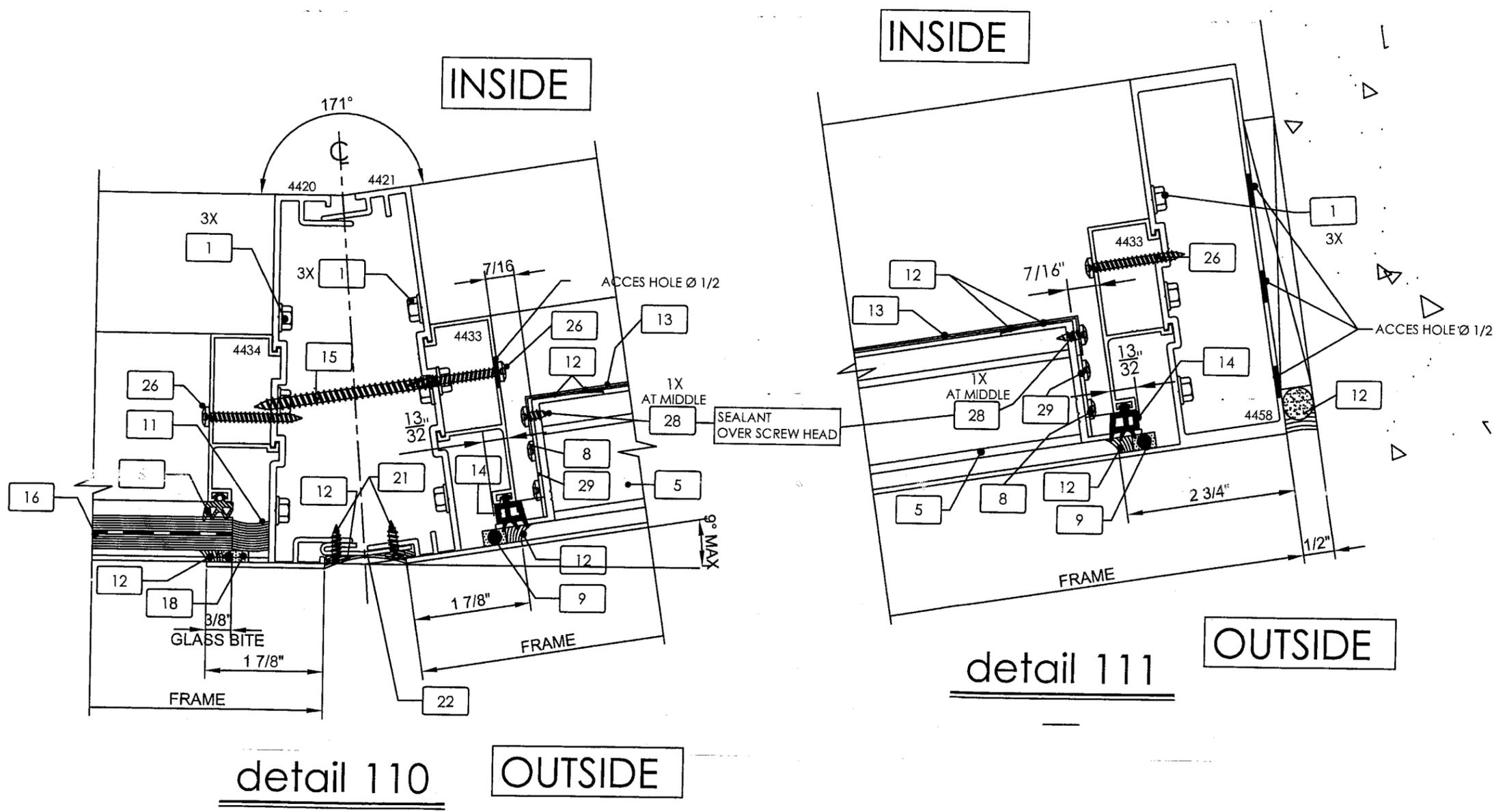
MANUFACTURER:
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 U.S.A.
 6130, BOUL. STE-ANNE
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 G0A 2K0
 Phone: (418) 822-1448 Fax: (418) 822-1533
 Web site: www.gammaindustries.ca
 E-mail: info@gamma-online.com

TITLE:
TEST # 55.1
LOUVER / WINDOW WALL
42" X 111"
+100/-100 PSF
SMALL IMPACT
DETAILS 108 & 109

SCALE: 6" = 1'-0"	DRAWN BY: RANDY ROSS	
DATE: 28/08/2002	DRAWING NO. T-55.1	SHEET NO. 6 OF 9

Approved as complying with the
 Florida Building Code
 Date SEP 11, 2008
 NOA# 05-0510.01
 Miami Dade Product Control
 Division
 By Ishag I. Chavira

REVISIONS:	BY:
R1 10/09/2002	R.R.
R2 05/04/2004	D.L.
R3 04/15/2005	D.L.
R4 08/15/2008	J.C.
R5 08/19/2008	J.F.L.

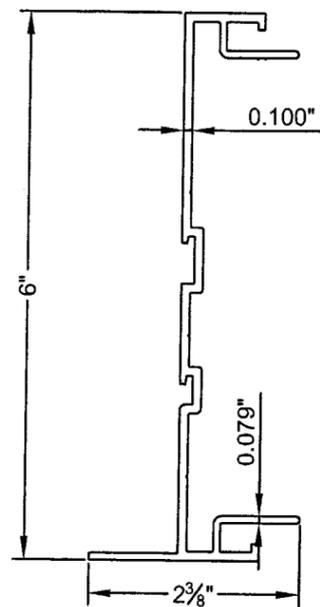


STRUCTURAL DESIGN INC.
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 9595 N. KENDALL DR. SUITE 402
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[Signature]
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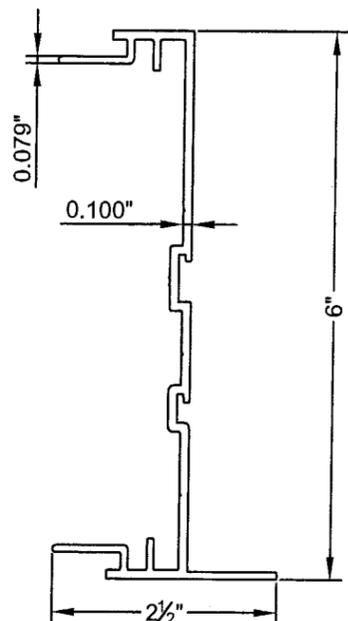
MANUFACTURER:
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 G0A 2K0
 Phone: (418) 822-1448 Fax: (418) 822-1533
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TITLE:
TEST # 55.1
LOUVER / WINDOW WALL
42" X 111"
+100/-100 PSF
SMALL IMPACT
DETAILS 110 & 111

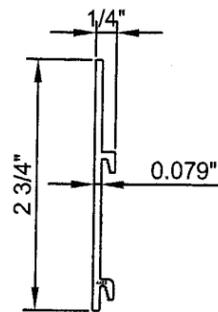
SCALE: 6" = 1'-0"	DRAWN BY: RANDY ROSS	
DATE: 28/08/2002	DRAWING NO. T-55.1	SHEET NO. 7 OF 9



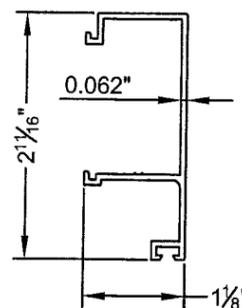
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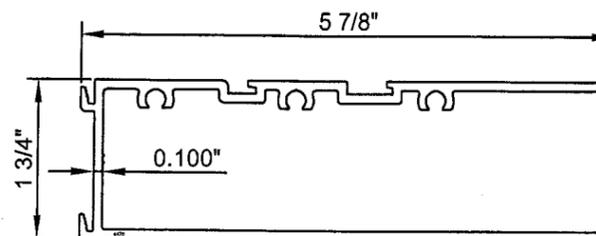
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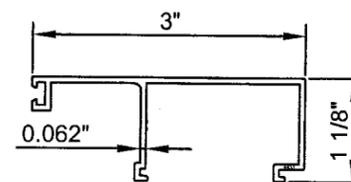
4469 ALUMINUM SNAP-ON CAP



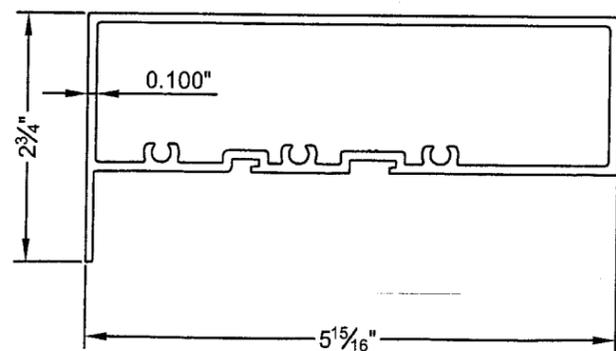
4434 ALUMINUM SNAP-ON CAP



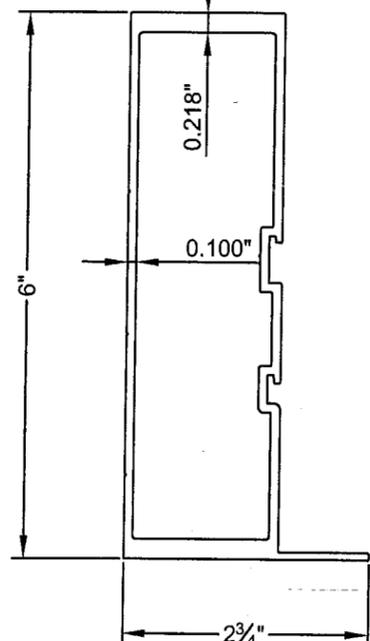
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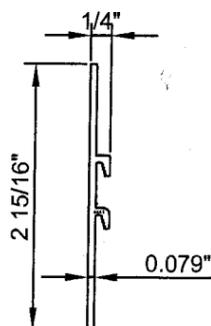
4433 ALUMINUM SNAP-ON CAP



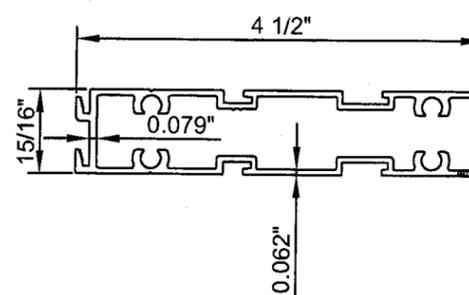
4457 ALUMINUM FRAME HEAD AND SILL



4458 ALUMINUM STRUCTURAL JAMB



4441 ALUMINUM SNAP-ON CAP



4442 ALUMINUM SNAP-ON CAP

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

Approved as complying with the Florida Building Code
 Date SEP 11, 2008
 NOA# 05-0510-01
 Miami Dade Product Control
 Division
 By: Shag I. Chavala

REVISIONS:	BY:
R1 10/09/2002	R.R.
R2 05/04/2004	D.L.
R3 04/15/2005	D.L.
R4 08/15/2008	J.C.
R5 08/19/2008	J.F.L.

STRUCTURAL DESIGN INC.
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Farrok Rasekhi
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 GOA 2K0
 Phone: (418) 822-1448 Fax: (418) 822-1533
 Web site: www.gammaindustries.ca
 E-mail: info@gamma-online.com

TITLE:
TEST # 55.1
LOUVER / WINDOW WALL
42" X 111"
+100/-100 PSF
SMALL IMPACT
GAMMA'S EXTRUSION

SCALE: 6" = 1'-0"	DRAWN BY: RANDY ROSS	
DATE: 28/08/2002	DRAWING NO. T-55.1	SHEET NO. 8 of 9

Approved as complying with the
 Florida Building Code
 Date SEPT 11, 2008
 NOA# 05-0510-01
 Miami Dade Product Control
 Division
 By Shaq. Chaudhary

DESCRIPTION

1	#14 X 1 1/2" HEX STS SCREW 3X AT TOP & BOTTOM AND 4X AT HORIZONTAL MULLION
2	#14 X 1" HEX SST SCREW 3/4" LONG. (SEE ELEVATION) TWO AT 2" OF EACH END & ONE AT THE CENTER
3	BOND BREAKER
4	3/8" DIA., WEDGE BOLT BY POWER FASTENER INC. - 2" MIN EMBEDMENT
5	ALUMINUM LOUVER BY COMETAL (SEE MANUFACTURER DRAWINGS)
6	EPDM GASKET #3054
7	LOAD BEARING SHIM
8	R.H. STS # 8 SCREWS X 1 1/2" LONG. 2X AT EACH END OF EXTRUDED BLADE
9	POLYSHIM 1/4"
10	POLYSHIM 1/8"
11	SILICONE SEALANT SPECTREM II 3" LONG AT EACH GLASS CORNER HEAD AND SILL 6" STRIP AT MID SPAN OF GLASS, JAMB 6" STRIP AT 24", 59, 78
12	SILICONE SEALANT SPECTREM II (ON BACKER ROD WHERE NEEDED SEE DETAILS)
13	0.032" FOLDED ALUMINUM BACK PAN COVER
14	3/8" THICK EPDM GASKET # 3063
15	HEX # 14 STS SCREW 3" LONG. 3 1/2" LONG AT DETAIL 108 AND 110
16	9/16" LAMINATED GLASS: 1/4" TEMPERED GLASS .060 SAFLEX/KEEPSAFE PVB BY SOLUTIA 1/4" TEMPERED GLASS, LAMINATED BY PRELCO
17	1/4 X 1/2 X 3 NEOPRENE SITTING BLOCK AT L/4, 2 AT SILL OF EACH SECTION
18	POLYSHIM 3/16"
20	STEEL GALVANIZED FOLDED CHANNEL 10 G BY 12" LONG.
21	R.H. STS # 6 SCREW SERIE 300 (ONE AT 4" OF EACH END AND ONE AT THE MIDDLE)
22	1/16" FOLDED ALUMINUM CLOSER
23	3/8" X 1 1/4" X 3" LONG NEOPRENE SITTING BLOCK AT L/4 2 AT SILL OF EACH SECTION
24	ALUMINUM FLANGE .093" THICK 2 7/8"
25	R.H. # 10 STS SCREW 1/2" LONG @ 16" C/C
26	R.H. # 8 STS SCREW 1 1/2" LONG QTY: 2 PER HORIZONTAL AND 3 PER VERTICAL @ EQUAL DISTANCE
27	PVC SHIM 1/8" X 4 5/16" X 12"
28	#8 X 3/8" LG RH STS SCREW (FOR QTY SEE DETAIL 104, 105, 110, 111)
29	BITHUMIOUS MEMBRANE 1/8"
EXTRUSIONS LIST ALLOY 6063-T6	
	# 4420 ALUMINUM SPLIT MULLION
	# 4421 ALUMINUM SPLIT MULLION
	# 4433 ALUMINUM SNAP-ON CAP 3"
	# 4434 ALUMINUM SNAP-ON CAP 2 11/16"
	# 4441 ALUMINUM COVER FOR SPANDREL GLASS (AT MULLION)
	# 4442 ALUMINUM HORIZONTAL MULLION FOR SPANDREL GLASS
	# 4458 JAMB STRUCTURAL FRAME
	# 4457 HEAD AND SILL FRAME <i>8/11/08</i>
	# 4469 ALUMINUM COVER FOR SPANDREL GLASS (AT HEAD AND SILL)
	# 4470 ALUMINUM FRAME FOR SPANDREL GLASS <i>8/11/08</i>

REVISIONS:	BY:
R1 10/09/2002	R.R.
R2 05/04/2004	D.L.
R3 04/15/2005	D.L.
R4 08/15/2008	J.C.
R5 08/19/2008	J.F.L.

S **D** **I**
 STRUCTURAL DESIGN INC.
 CONSULTING STRUCTURAL ENGINEERS
 9595 N. KENDALL DR. SUITE NO. 209
 MIAMI, FLORIDA 33176 CERTIFICATE #: 8803
Farrokh Rasekhi
 8/21/08
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MANUFACTURER:
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 G0A 2K0
 Phone: (418) 822-1448 Fax: (418) 822-1533
 Web site: www.gammaindustries.ca
 E-mail: info@gamma-online.com

TITLE:
TEST # 55.1
LOUVER / WINDOW WALL
42" X 111"
+100/-100 PSF
SMALL IMPACT
DESCRIPTION LIST

SCALE:	DRAWN BY:	
N.T.S.	RANDY ROSS	
DATE:	DRAWING NO.	SHEET NO.
28/08/2002	T-55.1	9 OF 9