



**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) 372-6339**

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

**Enclos Corporation
550 Fairway Drive
Deerfield Beach, FL 33441**

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 the High Velocity Hurricane Zone.

DESCRIPTION: Series "5025 SGP WW Structurally Glazed" Aluminum Window Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **5025-LM**, titled "5025 Series Window Wall Large Missile Impact", sheets 1 through 9 of 9, dated 6/6/08 with revision #3 dated 7/8/09, prepared by manufacturer, signed and sealed by William D. Cook, 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: Large and 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 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 page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No. 08-0915.06
Expiration Date: July 29, 2014
Approval Date: July 29, 2009
Page 1**

Enclos Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **5025-LM**, Sheets 1 through 9 of 9, titled "5025 Series Window Wall Large Missile Impact", dated 6/6/08 with revision #3 dated 7/8/09 prepared by manufacturer, signed and sealed by William D. Cook, 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) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Large Missile Impact Test per FBC, TAS 201-9
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of aluminum window wall system prepared by Hurricane Testing Lab., Test Report No. **HTL-0434-0616.06**, specimens 1, 2, 4 and 12, dated from 7/14/06 to 8/06/07, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Revised Anchor Calculations, and Structural Analysis, complying with FBC 2007, dated 06/12/08, prepared by Bromley-Cook Engineering, signed and sealed by William D. Cook, P.E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

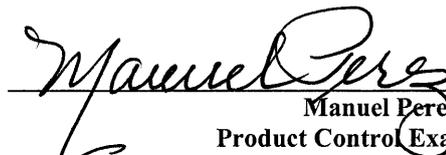
1. Notice of Acceptance No. **08-0520.08** issued to Solutia Inc. for their "Vanceva Composites Glass Interlayer" dated 7/17/08, expiring on 12/11/13.

F. STATEMENTS

1. Statement letter of conformance, dated June 10, 2008, signed and sealed by William D. Cook, P.E.
2. Statement letter of no financial interest, dated June 10, 2008, signed and sealed by William D. Cook, P.E.
3. Laboratory compliance letter for Test Report no. **HTL-0434-0616-06**, issued by Hurricane Test Laboratory, Inc., dated June 23, 2008, signed and sealed by Vinu J. Abraham, P.E.

G. OTHERS

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0915.06
Expiration Date: July 29, 2014
Approval Date: July 29, 2009

ENCLOS CORP. FLORIDA HURRICANE SYSTEMS

5025 SERIES WINDOW WALL SYSTEM

4-SIDED STRUCTURALLY GLAZED WITH FACE CAPS

LARGE MISSILE IMPACT RESISTANT



2770 Blue Water Road
Eagan, MN 55121-1400
Tel. 651-786-6100 • Fax 651-994-6360

Engineering Locations
Eagan, MN • Montreal, QC, CA • Moncton, NB, CA
St. Louis, MO • Manila, PH

GLASS TYPES - HEAT STRENGTHENED

MONOLITHIC / LAMINATED

- 1/4" CLEAR HEAT STRENGTHENED
- .075" VS02 INNER LAYER
- 1/4" CLEAR HEAT STRENGTHENED

"VS02" VANCEVA STORM INNER LAYER BY SOLUTIA

DRAWING INDEX

SHEET	DESCRIPTION
1/9	COVER PAGE
2/9	MATERIALS/PARTS LEGEND
3/9	5025 ELEVATIONS
4/9	5025 GLASS SIZE CHART
5/9	HEAD/SILL INT. HORIZ. DETAILS
6/9	JAMB / MULLION DETAILS
7/9	MULLION DETAILS AT DOOR FRAME
8/9	5025 ANCHORAGE OPTIONS CHART
9/9	EXTRUSIONS

GENERAL NOTES

- 1.) ALUMINUM WINDOW WALL SYSTEM IS TESTED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.
- 2.) FLORIDA BUILDING CODE REQUIREMENTS (HVHZ)
TAS-201 - LARGE MISSILE IMPACT
TAS-202 - AIR LEAKAGE, WATER PENETRATION & STRUCTURAL PERFORMANCE (WATER @ 20 psf.)
TAS-203 - CYCLING
- 3.) THIS SYSTEM MAY BE USED IN CONJUNCTION WITH APPROVED ENTRANCE DOORS.
- 4.) CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.
- 5.) THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2007 FLORIDA BUILDING CODE.
- 6.) WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. BUCKS SHALL BE DESIGNED BY PROFESSIONAL OF RECORD.
- 7.) OPENINGS SHALL BE CONSTRUCTED IN AN ACCEPTABLE MANNER BY WHICH INSTALLED ALUMINUM FRAMES CAN BE PROPERLY ANCHORED TO THE STRUCTURE ACCORDING TO THE DETAILS AND CHARTS ON THESE DESIGN DRAWINGS.
- 8.) ANCHORS SHALL BE AS LISTED IN CHARTS AND SPACED AS SPECIFIED ON THESE DESIGN DRAWINGS.
- 9.) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE AS SPECIFIED ON THESE DESIGN DRAWINGS (BEYOND WALL DRESSING OR STUCCO)
- 10.) ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED. COATING SHALL BE BITUMINOUS OR ASPHALTIC IN CONFORMANCE WITH FBC 2003.8.4.1.
- 11.) 33% INCREASE IN ALLOWABLE STRESS WAS NOT USED IN THE DESIGN OF THE FRAMING SYSTEM AND ANCHORS.

GASKET/SETTING BLOCK LIST

	PART # PG-1	70 DURO SILICONE	PRESET GASKET		PART # GSB-3	85 DURO EPDM	SETTING BLOCK FOR 9/16" GLASS
	PART # HA-132	70 DURO EPDM	MULLION SEAL GASKET		PART # GSB-4	85 DURO EPDM	SETTING BLOCK FOR INTERMEDIATE HORIZ. 9/16" GLASS
	PART # WG-1	70 DURO EPDM	WEDGE GASKET				
	PART # BG-1	70 DURO EPDM	ROLL-ON BULB GASKET				
	PART # HA-114	70 DURO SILICONE	AIR SEAL BULB GASKET				

ABBREVIATIONS

R.O. = ROUGH OPENING
O.A.F. = OVERALL FRAME
D.L.O. = DAYLITE OPENING
GL. GLASS
L.M.I. = LARGE MISSILE IMPACT
S.M.I. = SMALL MISSILE IMPACT
OPP. = OPPOSITE
MAX. = MAXIMUM
MIN. = MINIMUM
CONC. = CONCRETE

REVISIONS

1	4/9/2009	REV'S PER M.D.B.C.C.O.
2	5/20/2009	COMPLETE REDRAW
3	7/8/2009	FINAL REVISIONS

SEAL:

JUL 8 2009

Reviewed For Structural Integrity Only

BROMLEY • COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES

5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4624 FAX: (954) 772-4634
CERT. OF AUTH. #00009124
WILLIAM D. COOK P.E.
FLA P.E. # 43904
FLA S.I. # 2008

FOR MIAMI-DADE CO. B.C.C.O.

Approved as complying with the
Florida Building Code
Date JULY 29, 2009
NOA# 08-0915-06
Miami Dade Product Control
Division
By William Perez

Date	Scale
6/6/08	
Drawing No.	5025-LM
Drawing Title	5025 SERIES WINDOW WALL
	LARGE MISSILE IMPACT
Sheet No.	1/9

BILL OF MATERIALS

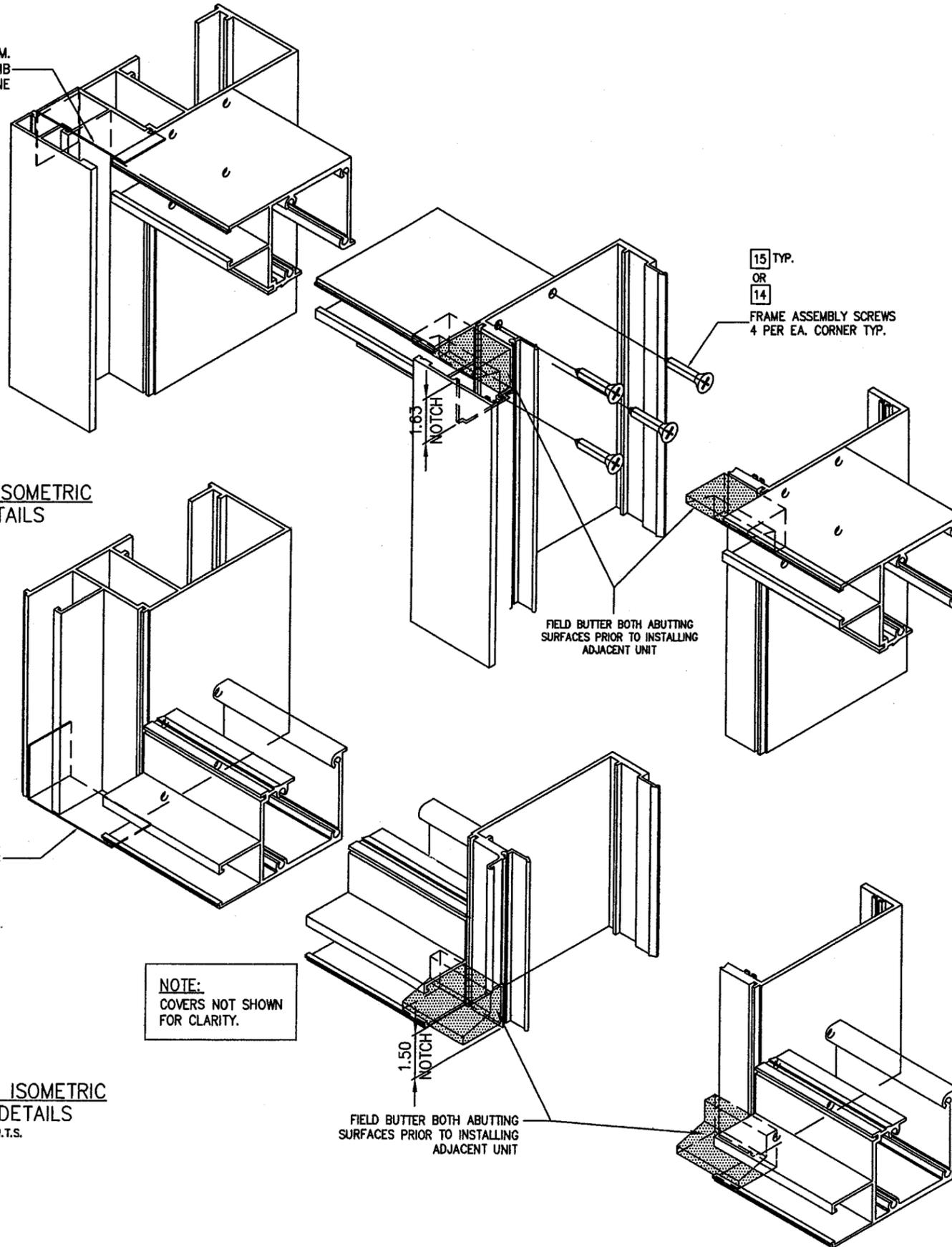
- 10 ANTI-BUCKLING CLIPS 4" LONG, @ 6" FROM TOP & BOTTOM AND 24" O.C. MAX (6063-T6 ALUM.)
- 14 #14 x 1 1/2" HWH SMS TYPE A
@ HORIZONTAL RAILS (4 PER EA. END IN SCREW SPLINES)
- 15 #14 x 1 1/2" FH SMS TYPE A
@ HORIZONTAL RAILS (4 PER EA. END IN SCREW SPLINES)
- 26 SEALANT & BACKER ROD (DOW CORNING 790, 791 OR 795)
- 28 3/8" DIA WEEP HOLES @ 1/3 PTS.
- 29 3/16" DP. x 3/8" LONG NOTCH @ 1/3 PTS.
- 31 7/8" MIN. STRUCTURAL SEALANT (DOW CORNING 983 OR 995)
- 37 ACCESS HOLES AT FASTENERS (9/16" DIA.)
- 38 SHIMS AS REQUIRED (HIGH STRENGTH STRUCTURAL PLASTIC)
- 41 1/2-13 x 2" GRADE 5 ZINC PLATED HWH TAPTITE SCREWS. SEE SHEET 8 FOR DETAILS.
- 53 3/16" x 1/2" LG. WEEP SLOTS @ 1/4 PTS.
- 54 6" x 3 1/2" x 1/4" THK. STEEL ANGLE (A-36)
- 74 1/2-13 x 4 3/4" HWH POWER BOLTS, (2) PER ANCHOR. SEE SHEET 8 FOR DETAILS.
- 91 1/2-16 x 4" HWH POWERS CO. WEDGE BOLTS, (2) PER ANCHOR. SEE SHEET 8 FOR DETAILS.
- 94 SCHEDULE 80 PIPE SLEEVE 1 3/8" LONG (6063-T6 ALUM.)

.040" FORMED ALUM.
END CAP ADHERE TO JAMB
& HEAD W/ SILICONE

HEAD RAIL ISOMETRIC JOINERY DETAILS
SCALE: N.T.S.

.040" FORMED ALUM.
END CAP ADHERE TO JAMB
& SILL W/ SILICONE

SILL RAIL ISOMETRIC JOINERY DETAILS
SCALE: N.T.S.



NOTE:
COVERS NOT SHOWN
FOR CLARITY.

15 TYP.
OR
14
FRAME ASSEMBLY SCREWS
4 PER EA. CORNER TYP.

FIELD BUTTER BOTH ABUTTING
SURFACES PRIOR TO INSTALLING
ADJACENT UNIT

FIELD BUTTER BOTH ABUTTING
SURFACES PRIOR TO INSTALLING
ADJACENT UNIT



2770 Blue Water Road
Eagan, MN 55121-1400
Tel. 651-796-6100 • Fax 651-994-6880
Engineering Locations
Eagan, MN • Montreal, QC, CA • Moncton, NB, CA
St. Louis, MO • Manila, PH

REVISIONS	
1	4/9/2009 REV'S PER M.D.B.C.C.O.
2	5/20/2009 COMPLETE REDRAW
3	7/8/2009 FINAL REVISIONS

SEAL:
JUL 08 2009
Reviewed For Structural Integrity Only

BROMLEY • COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4624 FAX: (954) 772-4634
CERT. OF AUTH. #00009124
WILLIAM D. COOK P.E.
FLA P.E. # 43904
FLA S.I. # 2008

FOR MIAMI-DADE CO. B.C.C.O.

Approved as complying with the
Florida Building Code
Date: JULY 29, 2009
NOAH 08-0915.06
Miami Dade Product Control
Division
By: *Maureen Perez*

Date 6/6/08	Scale
Drawing No. 5025-LM	
Drawing Title 5025 SERIES WINDOW WALL LARGE MISSILE IMPACT	
Sheet No. 2/9	



2770 Blue Water Road
Eagan, MN 55121-1400
Tel. 651-796-6100 • Fax 651-994-6360
Engineering Locations
Eagan, MN • Montreal, QC, CA • Moncton, NB, CA
St. Louis, MO • Manila, PH

REVISIONS	
1	4/9/2009 REV'S PER M.D.B.C.C.O.
2	5/20/2009 COMPLETE REDRAW
3	7/8/2009 FINAL REVISIONS

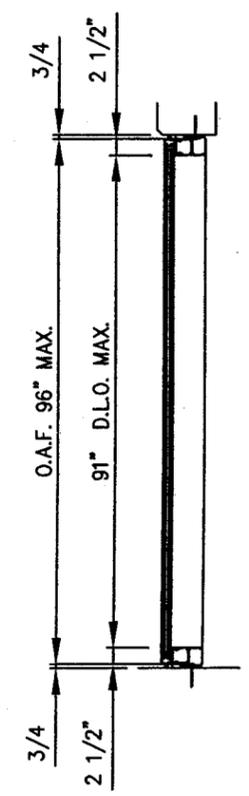
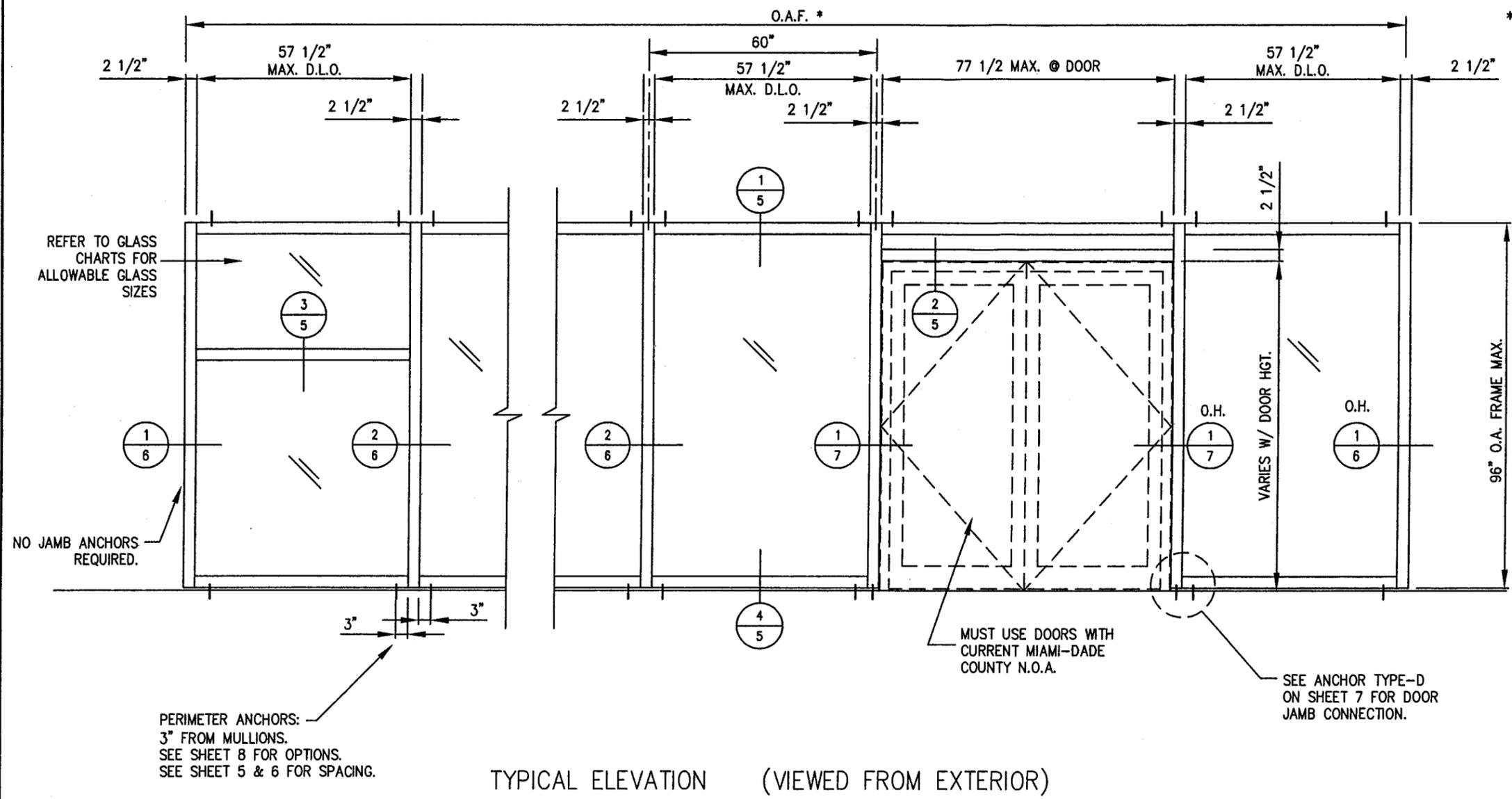
SEAL:

JUL 10 2009
Reviewed For Structural Integrity Only

BROMLEY • COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4624 FAX: (954) 772-4634
CERT. OF AUTH. #00009124
WILLIAM D. COOK P.E.
FLA P.E. # 43904
FLA S.I. # 2008

Date 6/6/08	Scale
Drawing No. 5025-LM	
Drawing Title 5025 SERIES WINDOW WALL LARGE MISSILE IMPACT	
Sheet No. 3/9	

*MULTIPLE UNITS CAN BE
INSTALLED SIDE BY SIDE
FOR UNLIMITED
OVERALL FRAME WIDTH (O.A.F.)



TYPICAL ELEVATION (VIEWED FROM EXTERIOR)

TYPICAL SECTION

NOTES:

- 1: DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE, USING APPLICABLE ASCE 7 STANDARDS.
- 2: SEE CHART ON SHEET 4 FOR ALLOWABLE DESIGN LOAD CAPACITY FOR DESIRED GLASS SIZE.
- 3: MULLION SPAN AND WIDTH SHOWN ARE MAXIMUM ALLOWABLE.
- 4: SEE CHART ON SHEET 8 TO SELECT ANCHOR OPTION AND SUBSTRATE WITH CAPACITY EQUAL TO OR GREATER THAN DESIGN LOAD GIVEN FOR THE SPECIFIC PROJECT.
- 5: INTERMEDIATE HORIZONTAL (DETAIL 3/5) CAN BE USED IN ANY BAY AT ANY LOCATION.

NOTE:
FOR STRUCTURALLY GLAZED SYSTEM, SEE FLORIDA BUILDING CODE SECTION 2415 FOR REQUIREMENTS.

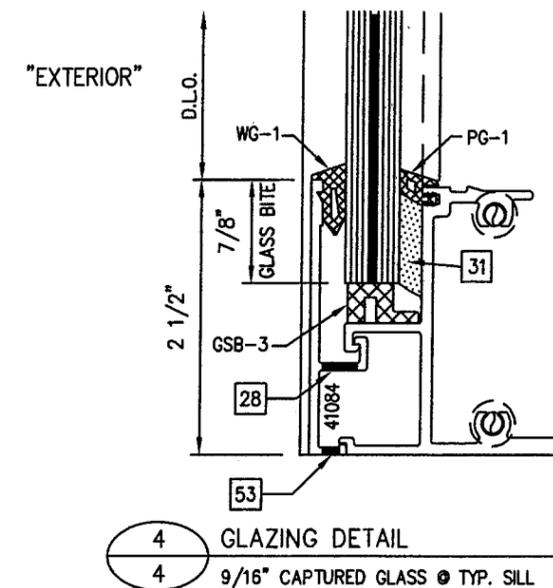
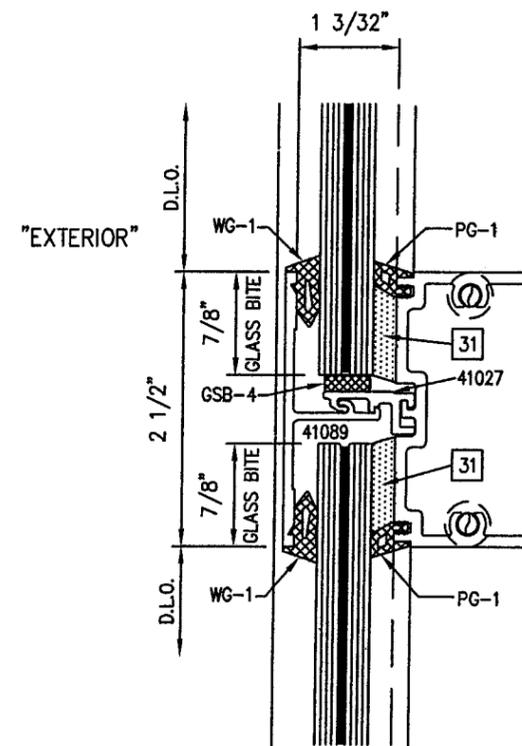
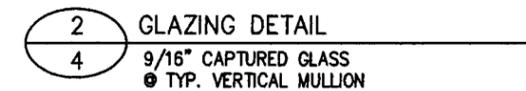
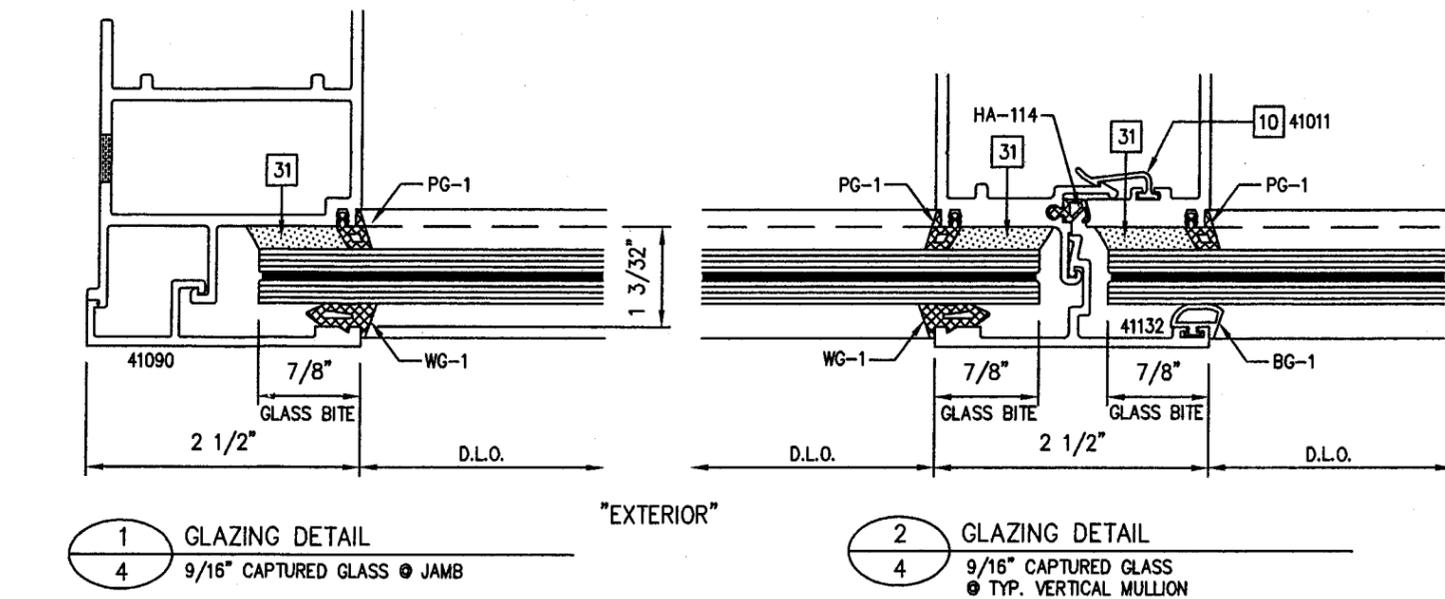
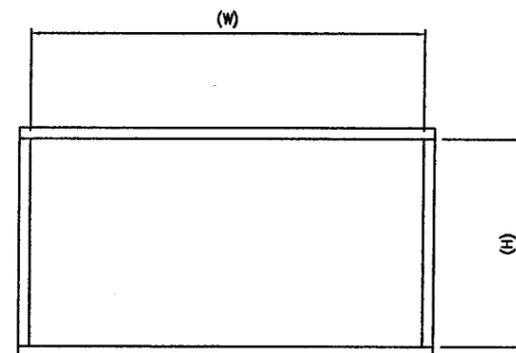
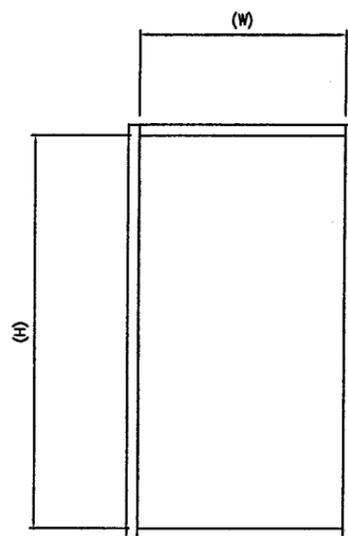
DESIGN PRESSURE
Pmax = +90, -90 P.S.F.

WATER INFILTRATION TEST PRESSURE
Pmax = +20 P.S.F.

FOR MIAMI-DADE CO. B.C.C.O.
Approved as complying with the Florida Building Code
Date: July 29, 2009
NOA# 03-0915.06
Miami Dade Product Control
By: *Mauro Perez*

MAX. DESIGN PRESSURES (P.S.F.)		
GLASS WD. (W) D.L.O.	GLASS HGT. (H) D.L.O.	GLASS TYPE (MONOLITHIC LAMINATED - LARGE MISSILE IMPACT)
		A
42" 48" 52" 57 1/2"	60"	+90, -90
42" 48" 52" 57 1/2"	72"	
42" 48" 52" 57 1/2"	78"	
42" 48" 52" 57 1/2"	84"	
42" 48" 52" 57 1/2"	90"	
42" 48" 52" 57 1/2"	91"	+90, -90

TESTED GLASS (MONOLITHIC):		
A	57 1/2" X 91"	+90 / -90



FOR MIAMI-DADE CO. B.C.C.O.

Approved as complying with the Florida Building Code
 Date JULY 29, 2009
 NOA# 08-0915.06
 Miami Dade Product Control
 Division
 By Manuel Ruiz



2770 Blue Water Road
 Eagan, MN 55121-1400
 Tel. 651-788-6100 • Fax 651-994-6380
Engineering Locations
 Eagan, MN • Montreal, QC, CA • Moncton, NB, CA
 St. Louis, MO • Manila, PH

REVISIONS	
1	4/9/2009 REV'S PER M.D.B.C.C.O.
2	5/20/2009 COMPLETE REDRAW
3	7/8/2009 FINAL REVISIONS

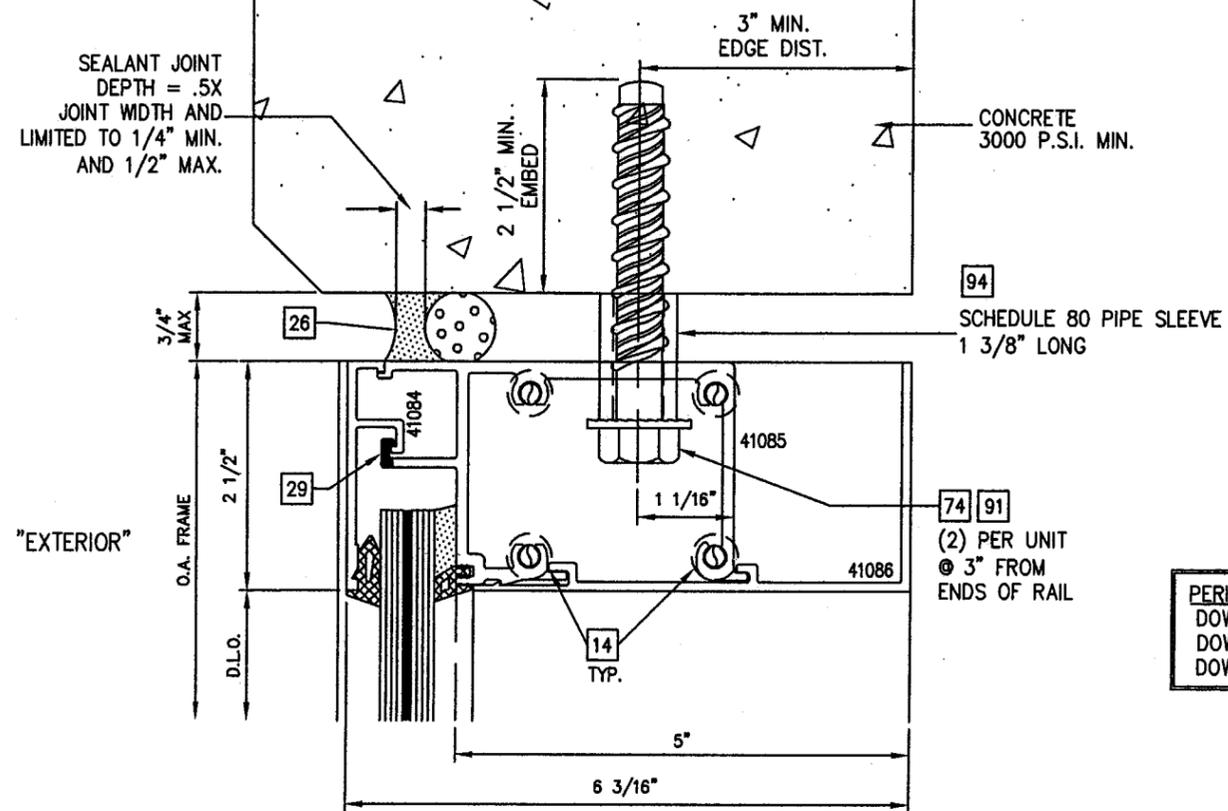
SEAL:

JUL 08 2009

Reviewed For Structural Integrity Only

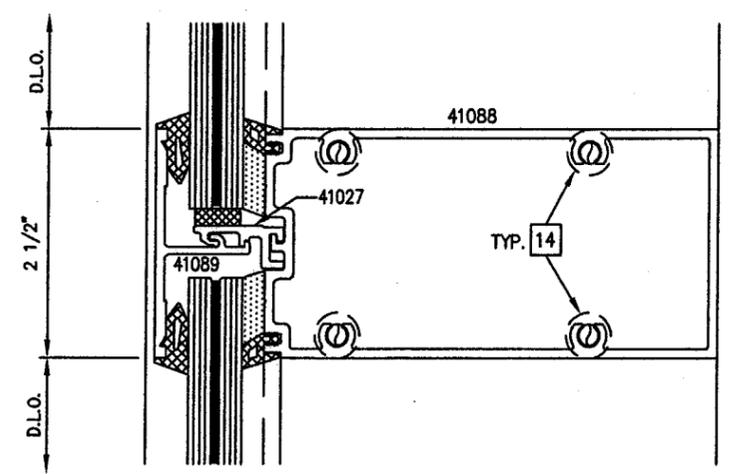
BROMLEY • COOK ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 5440 N.W. 33RD AVENUE SUITE 100
 FORT LAUDERDALE, FLORIDA 33309
 TEL: (954) 772-4624 FAX: (954) 772-4634
 CERT. OF AUTH. #00009124
 WILLIAM D. COOK P.E.
 FLA P.E. # 43904
 FLA S.I. # 2008

Date	Scale
6/6/08	
Drawing No.	
5025-LM	
Drawing Title	
5025 SERIES WINDOW WALL	
LARGE MISSILE IMPACT	
Sheet No.	
4/9	

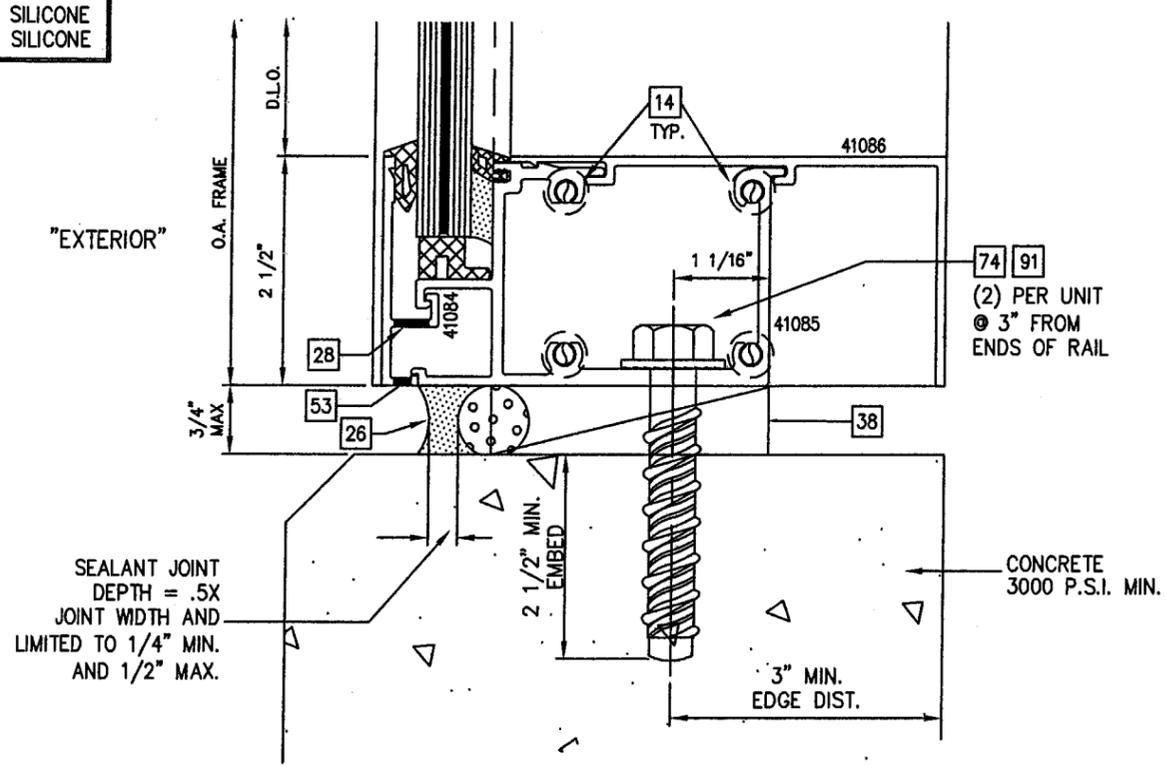


1 HEAD DETAIL - 9/16" GLASS
5

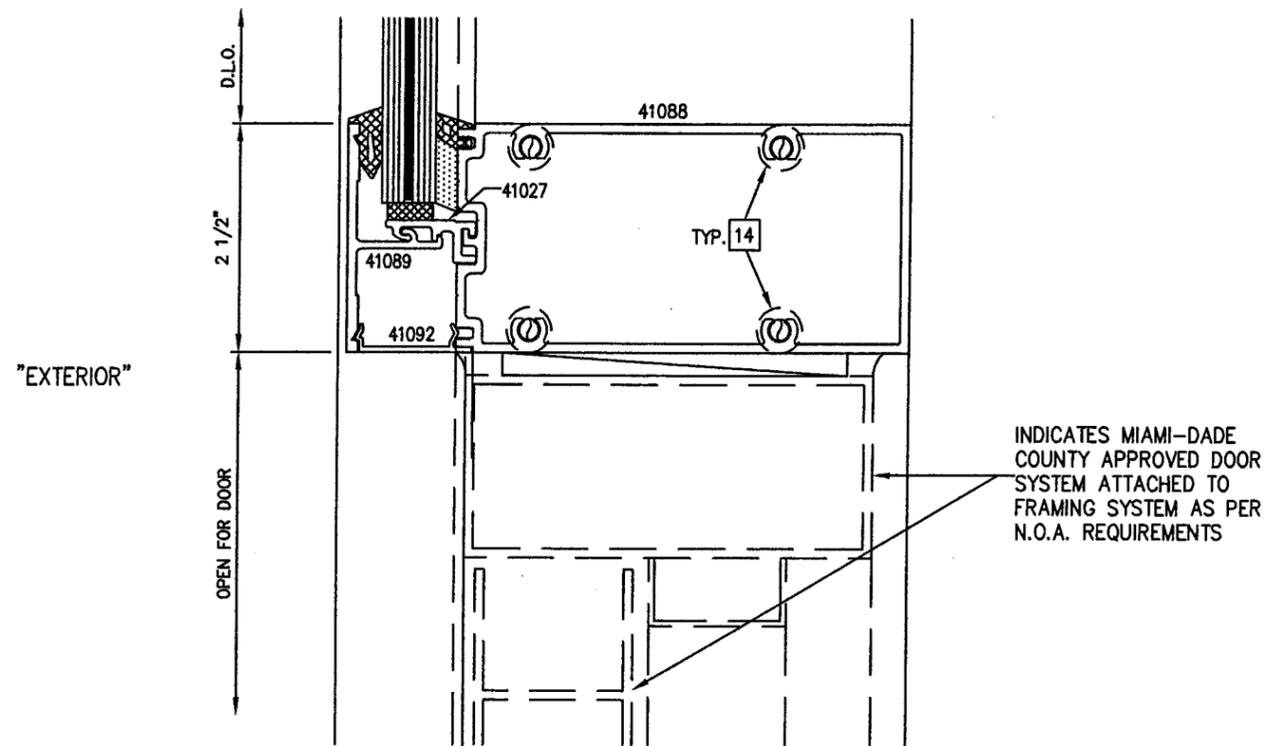
PERIMETER SEALANT OPTIONS:
DOW-CORNING 790 SILICONE
DOW-CORNING 791 SILICONE
DOW-CORNING 795 SILICONE



3 INTERMEDIATE HORIZ. DETAIL - 9/16" GLASS
5



4 SILL DETAIL - 9/16" GLASS
5



2 INTERMEDIATE HORIZ. DETAIL - 9/16" CAPTURED GLASS @ DOOR
5

FOR MIAMI-DADE CO. B.C.C.O.

Approved as complying with the Florida Building Code
Date JULY 29, 2009
NOA# 08-0915.06
Miami Dade Product Control
Division
By [Signature]



2770 Blue Water Road
Eagan, MN 55121-1400
Tel. 651-796-6100 • Fax 651-994-6360

Engineering Locations
Eagan, MN • Montreal, QC, CA • Moncton, NB, CA
St. Louis, MO • Manila, PH

REVISIONS	
1	4/9/2009 REV'S PER M.D.B.C.C.O.
2	5/20/2009 COMPLETE REDRAW
3	7/8/2009 FINAL REVISIONS

SEAL:

[Signature]
JUL 08 2009

Reviewed For Structural Integrity Only

BROMLEY • COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES

5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4824 FAX: (954) 772-4834
CERT. OF AUTH. #00009124
WILLIAM D. COOK P.E.
FLA P.E. # 43904
FLA S.I. # 2008

Date	Scale
6/6/08	
Drawing No.	
5025-LM	
Drawing Title	
5025 SERIES WINDOW WALL	
LARGE MISSILE IMPACT	
Sheet No.	
5/9	



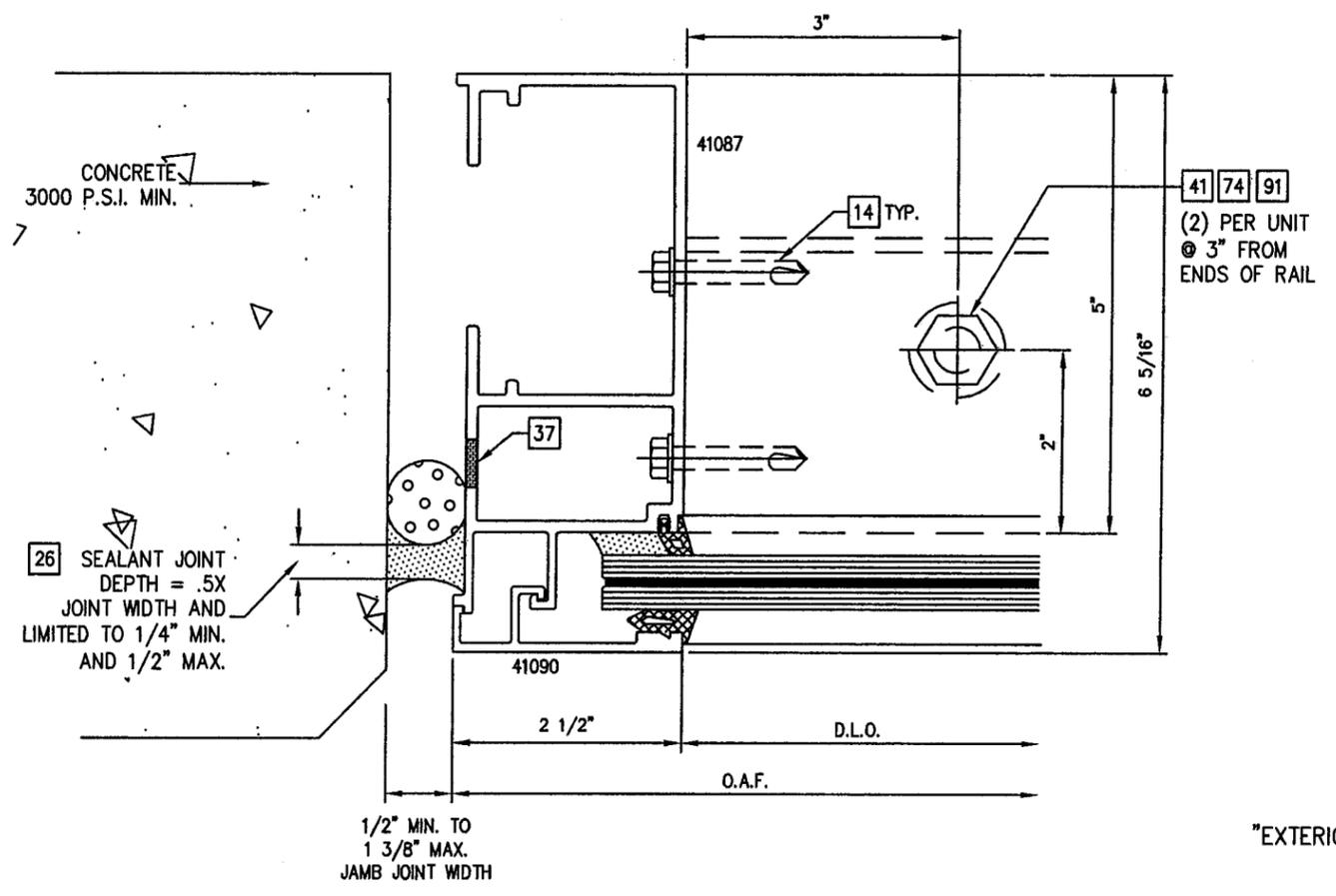
2770 Blue Water Road
Eagan, MN 55121-1400
Tel. 651-796-6100 • Fax 651-994-6300
Engineering Locations
Eagan, MN • Montreal, QC, CA • Moncton, NB, CA
St. Louis, MO • Manila, PH

REVISIONS	
1	4/9/2009 REV'S PER M.D.B.C.C.O.
2	5/20/2009 COMPLETE REDRAW
3	7/8/2009 FINAL REVISIONS

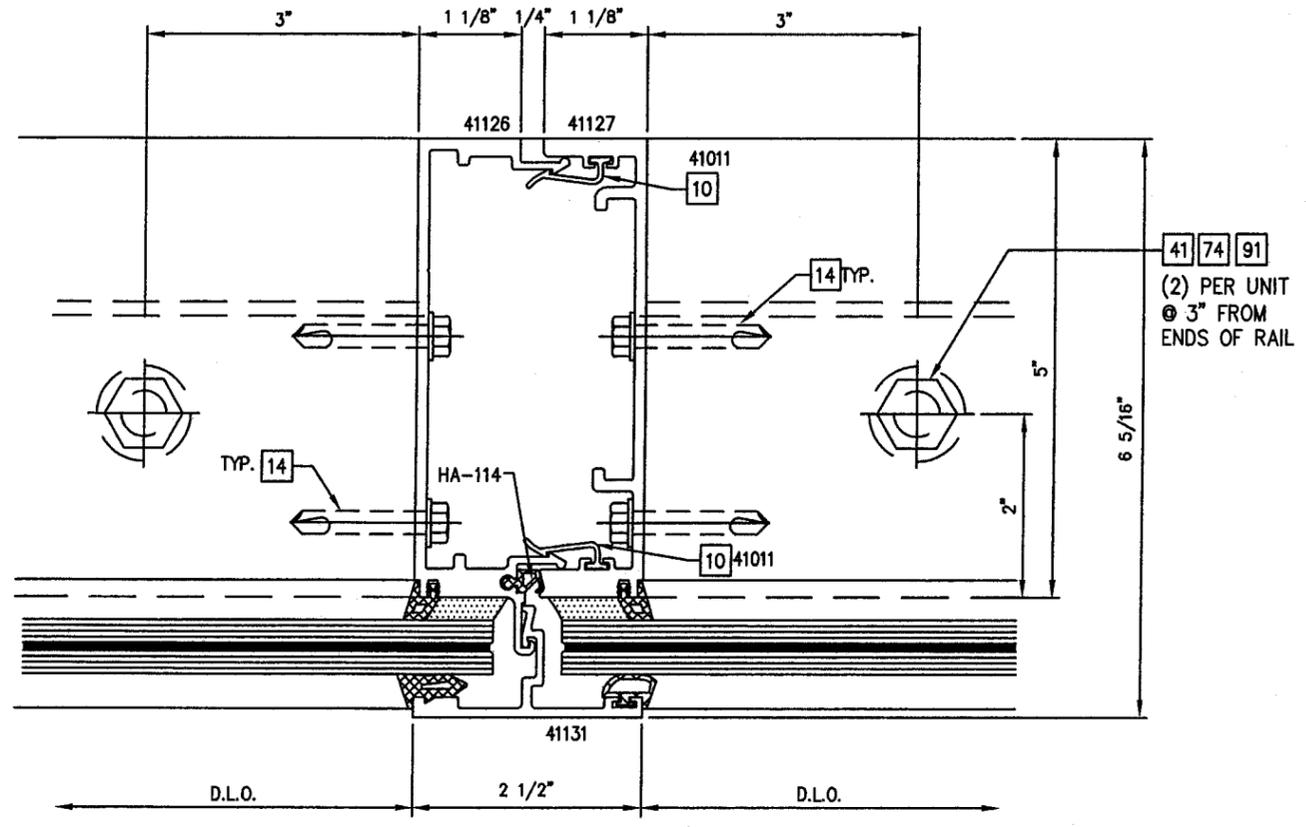
SEAL:
JUL 28 2009
Reviewed For Structural Integrity Only

BROMLEY • COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4624 FAX: (954) 772-4634
CERT. OF AUTH. #0009124
WILLIAM D. COOK P.E.
FLA. P.E. # 43904
FLA. S.I. # 2008

Date	Scale
6/6/08	
Drawing No.	5025-LM
Drawing Title	5025 SERIES WINDOW WALL LARGE MISSILE IMPACT
Sheet No.	6/9



1 JAMB DETAIL - 9/16" GLASS
6



2 VERTICAL MULLION DETAIL - 9/16" GLASS
6

CONCRETE
3000 P.S.I. MIN.

26 SEALANT JOINT DEPTH = .5X JOINT WIDTH AND LIMITED TO 1/4" MIN. AND 1/2" MAX.

1/2" MIN. TO 1 3/8" MAX. JAMB JOINT WIDTH

41 74 91
(2) PER UNIT
@ 3" FROM ENDS OF RAIL

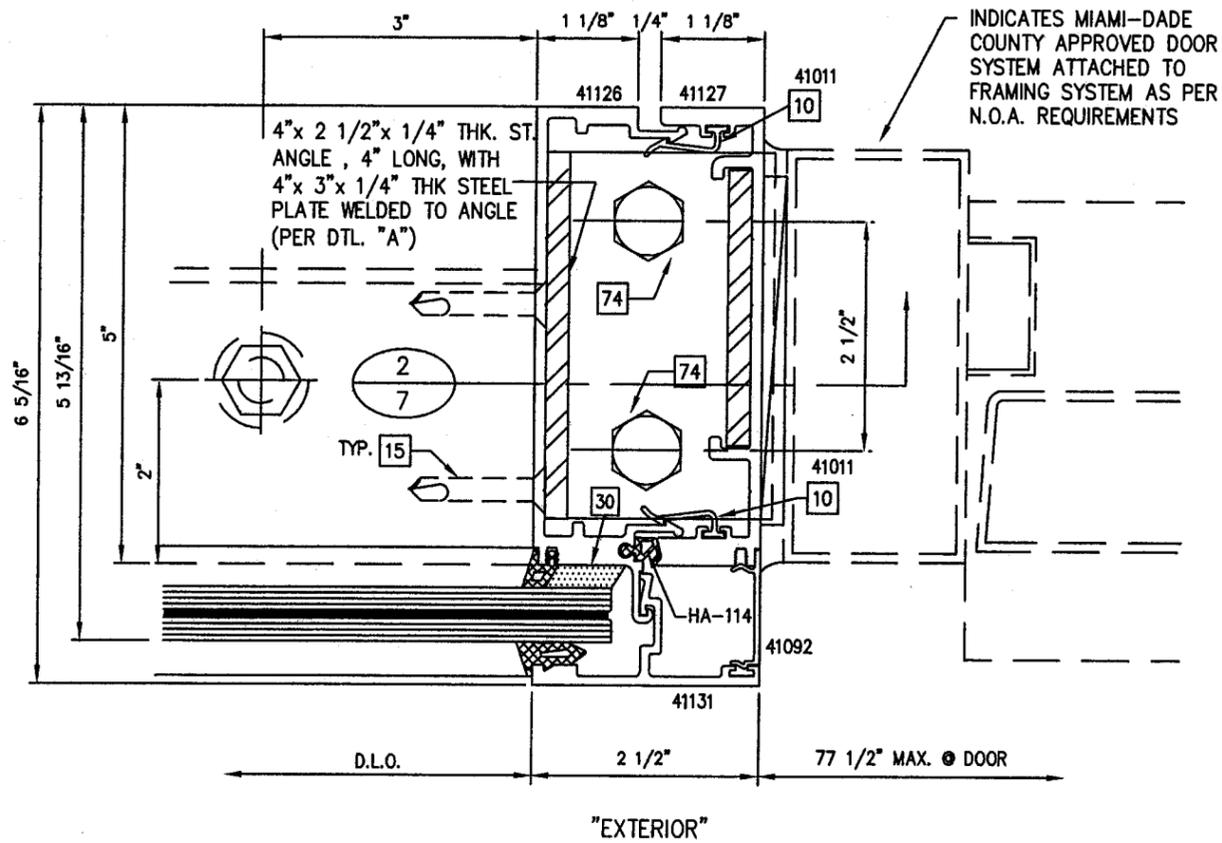
41 74 91
(2) PER UNIT
@ 3" FROM ENDS OF RAIL

"EXTERIOR"

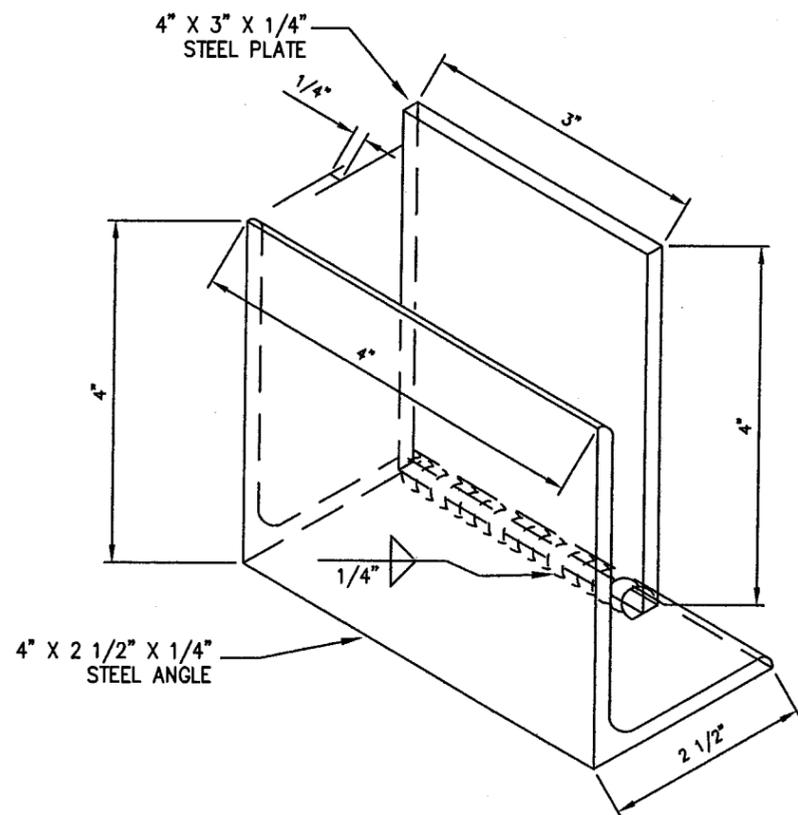
JAMB SEALANT NOTES:
PERIMETER SEALANT OPTIONS:
DOW-CORNING 790 SILICONE
DOW-CORNING 791 SILICONE
DOW-CORNING 795 SILICONE
ALTERNATE SEALANTS AND JAMB GAPS:
TO BE APPROVED BY DESIGN PROFESSIONAL OF RECORD AND SEALANT MANUFACTURER.

FOR MIAMI-DADE CO. B.C.C.O.

Approved as complying with the Florida Building Code
Date July 29, 2009
NOA# 08-0915.06
Miami Dade Product Control Division
By *W. Manuel Perez*

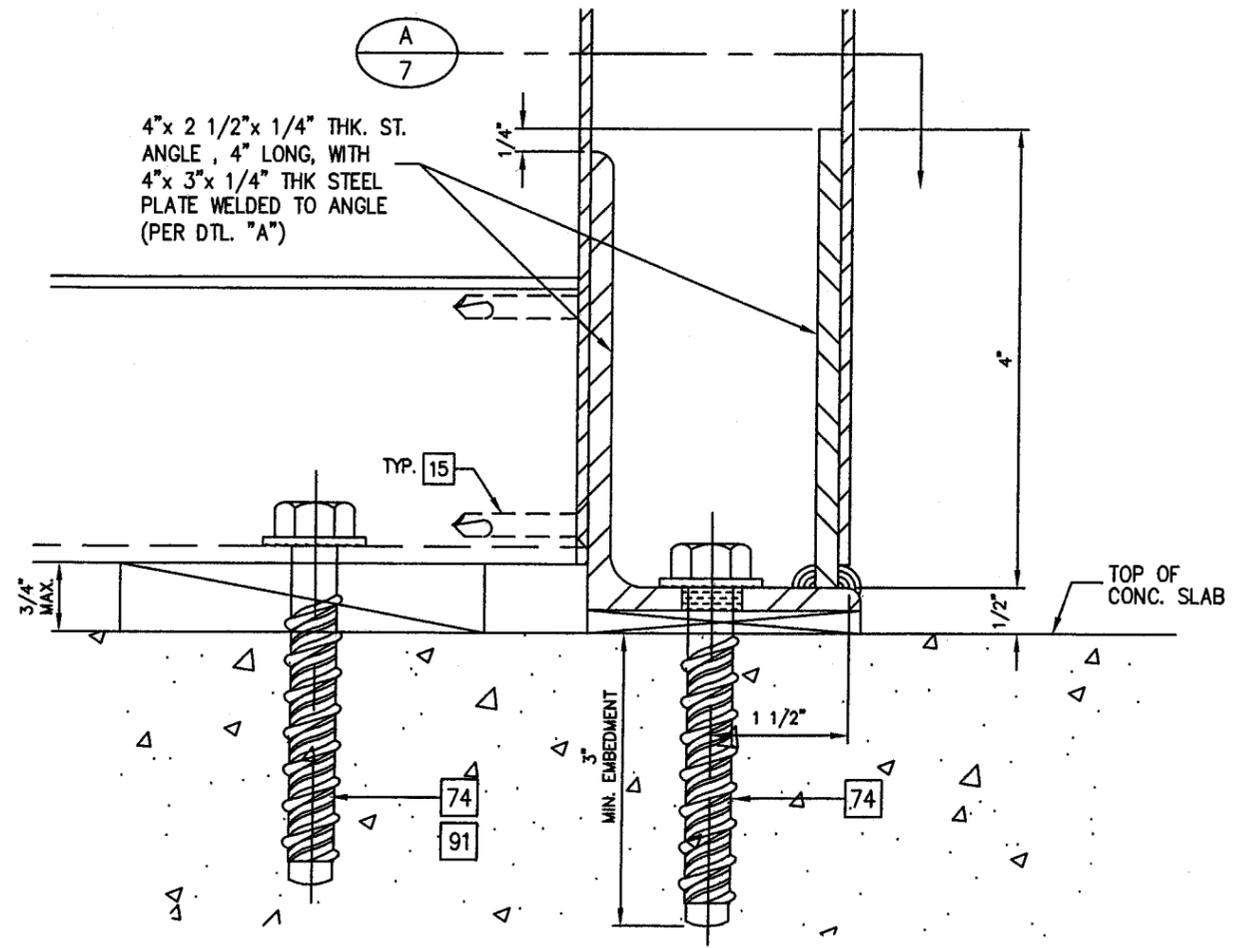


1
7 VERTICAL MULLION DETAIL - 9/16" GLASS



A
7 ANCHOR DETAIL "A"

INDICATES MIAMI-DADE COUNTY APPROVED DOOR SYSTEM ATTACHED TO FRAMING SYSTEM AS PER N.O.A. REQUIREMENTS



2
7 SECTION AT DOOR MULLION ANCHOR ANCHOR TYPE "D"



2770 Blue Water Road
Eagan, MN 55121-1400
Tel 651-796-6100 • Fax 651-994-6300
Engineering Locations
Eagan, MN • Montreal, QC, CA • Moncton, NB, CA
St. Louis, MO • Manila, PH

REVISIONS	
1	4/9/2009 REV'S PER M.D.B.C.C.O.
2	5/20/2009 COMPLETE REDRAW
3	7/8/2009 FINAL REVISIONS

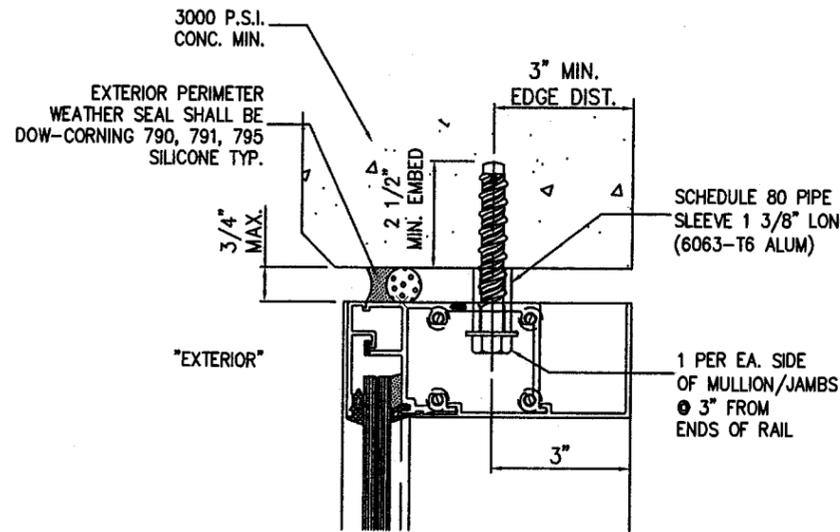
SEAL:
JUL 10 8 2009
Reviewed For Structural Integrity Only

BROMLEY • COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4624 FAX: (954) 772-4634
CERT. OF AUTH. #00009124
WILLIAM D. COOK, P.E.
FLA. P.E. # 43904
FLA. S.I. # 2006

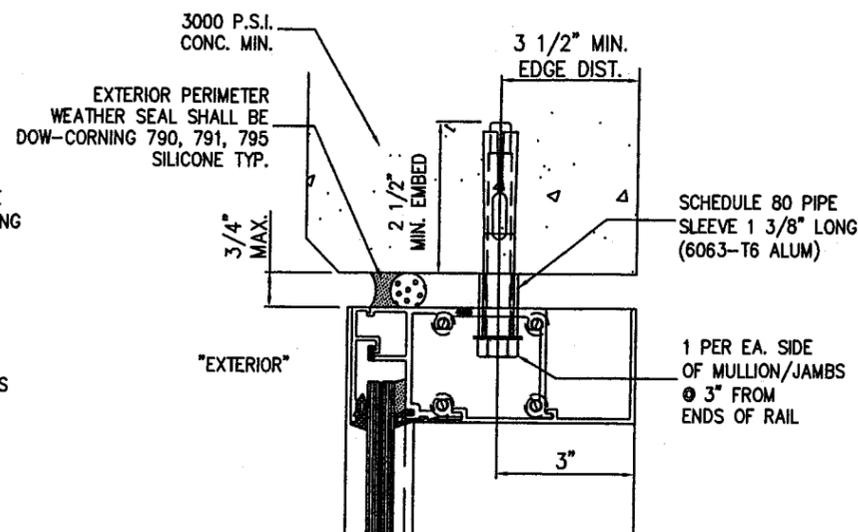
FOR MIAMI-DADE CO. B.C.C.O.
Approved as complying with the Florida Building Code
Date JULY 24, 2009
NOA# 08-0915.06
Miami Dade Product Control
Division
By *Manuel Perez*

Date	Scale
6/6/08	
Drawing No.	5025-LM
Drawing Title	5025 SERIES WINDOW WALL LARGE MISSILE IMPACT
Sheet No.	7/9

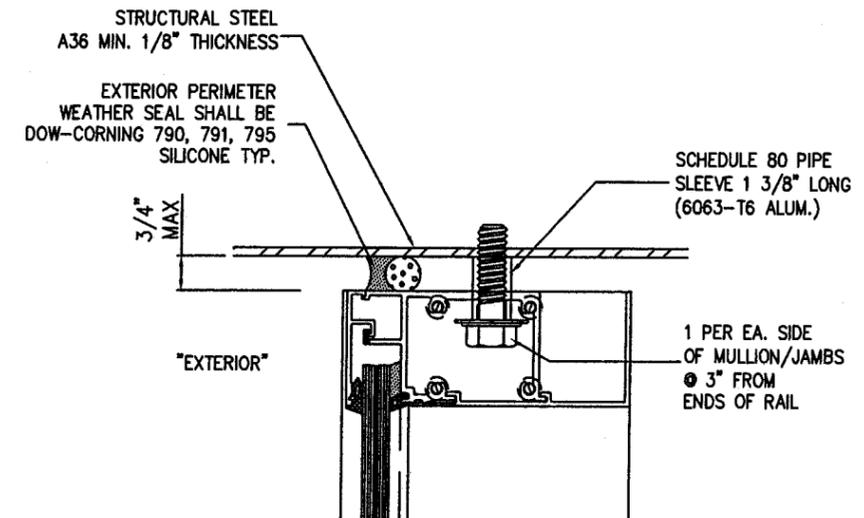
ANCHORAGE OPTIONS



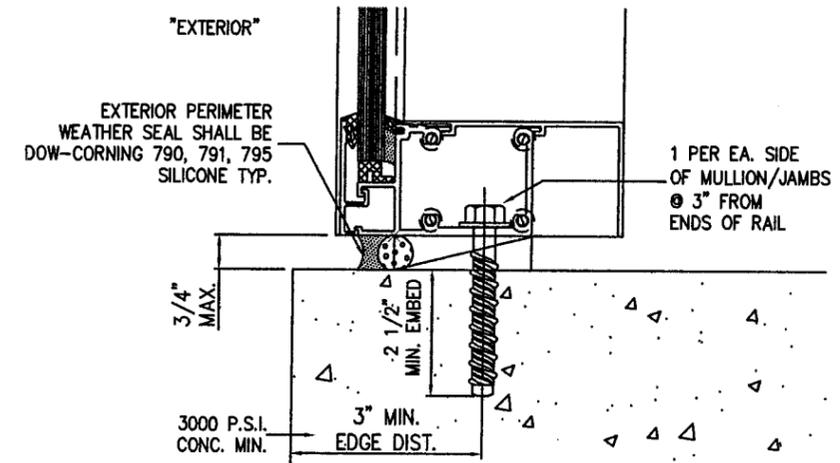
TYPE "A" - HEAD ANCHOR
 THRU CAN ANCHOR W/ 1/2" DIA. POWERS
 "WEDGE BOLTS" INTO 3000 PSI CONC. SUBSTRATE



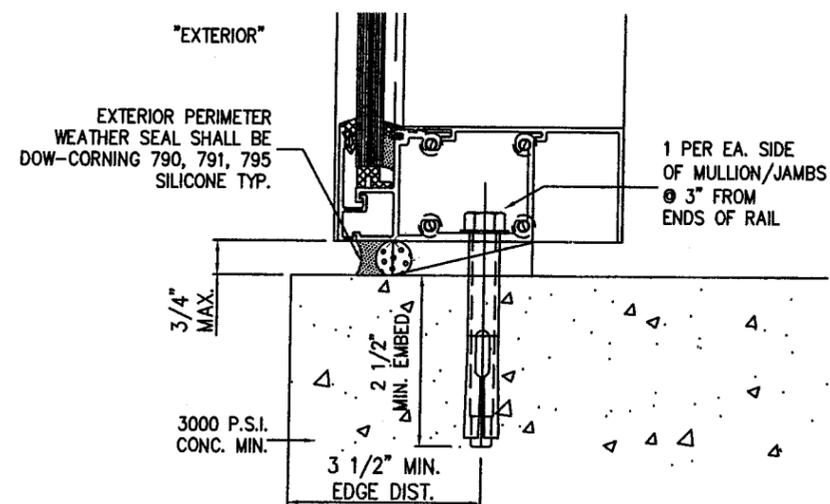
TYPE "B" - HEAD ANCHOR
 THRU SILL CAN ANCHOR W/ 1/2" DIA.
 RAWL "POWER BOLTS" INTO 3000 PSI CONC. SUBSTRATE



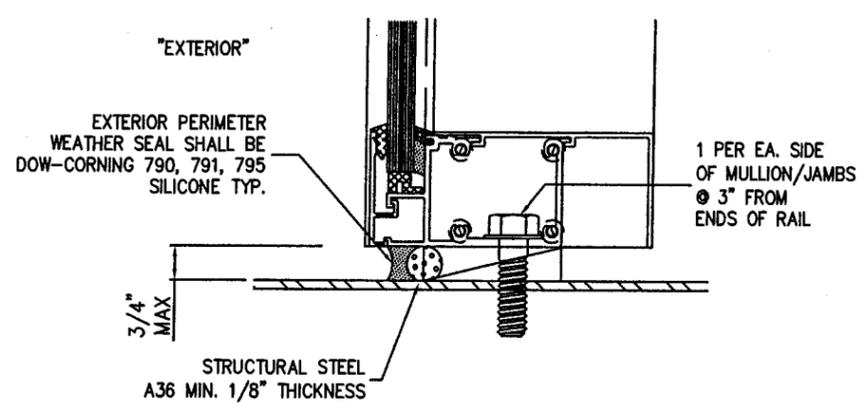
TYPE "C" - HEAD ANCHOR
 THRU SILL CAN ANCHOR W/ 1/2-13 GRADE 5
 ZINC PL. H.W.H. TAPTITE SCREWS INTO STEEL SUBSTRATE



TYPE "A" - SILL ANCHOR
 THRU CAN ANCHOR W/ 1/2" DIA. POWERS
 "WEDGE BOLTS" INTO 3000 PSI CONC. SUBSTRATE



TYPE "S1" - SILL ANCHOR
 THRU SILL CAN ANCHOR W/ 1/2" DIA.
 RAWL "POWER BOLTS" INTO 3000 PSI CONC. SUBSTRATE



TYPE "C" - SILL ANCHOR
 THRU SILL CAN ANCHOR W/ 1/2-13 GRADE 5
 ZINC PL. H.W.H. TAPTITE SCREWS INTO STEEL SUBSTRATE

NOTE:
 SEE SHEET 5 & 6 FOR
 PERIMETER SEALANT NOTES.

FOR MIAMI-DADE CO. B.C.C.O.
 Approved as complying with the
 Florida Building Code
 Date: JULY 29, 2009
 NOA# 08-0915-06
 Miami-Dade Product Control
 Division
 By: *Manuel Perez*



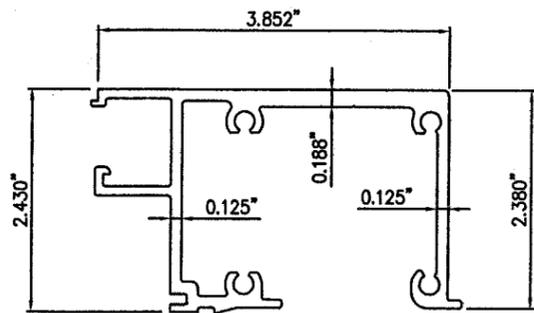
2770 Blue Water Road
 Eagan, MN 55121-1400
 Tel. 651-798-6100 • Fax 651-894-6380
 Engineering Locations
 Eagan, MN • Montreal, QC, CA • Moncton, NB, CA
 St. Louis, MO • Manila, PH

REVISIONS	
1	4/9/2009 REV'S PER M.D.B.C.C.O.
2	5/20/2009 COMPLETE REDRAW
3	7/8/2009 FINAL REVISIONS

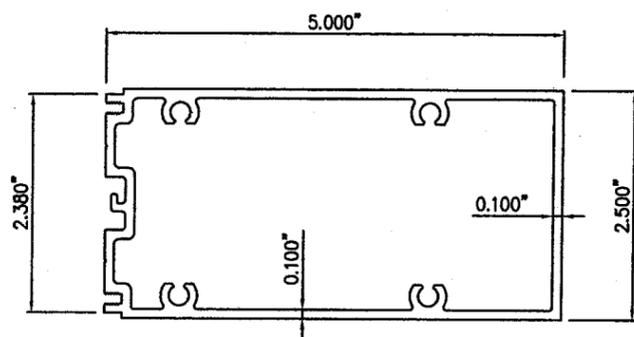
SEAL:
 JUL 8 2009
 Reviewed For Structural
 Integrity Only

BROMLEY • COOK ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 5440 N.W. 33RD AVENUE SUITE 100
 FORT LAUDERDALE, FLORIDA 33309
 TEL: (954) 772-4624 FAX: (954) 772-4634
 CERT. OF AUTH. #00009124
 WILLIAM D. COOK P.E.
 FLA P.E. # 43904
 FLA S.I. # 2008

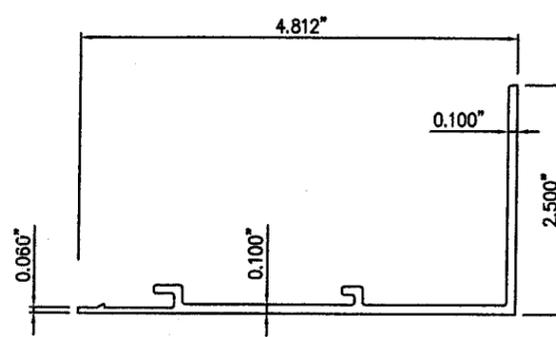
Date 6/6/08	Scale
Drawing No. 5025-LM	
Drawing Title 5025 SERIES WINDOW WALL LARGE MISSILE IMPACT	
Sheet No. 8/9	



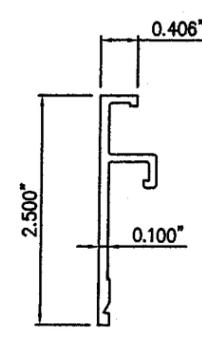
HEAD/SILL MEMBER
41085



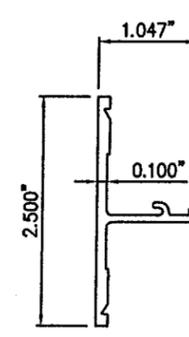
INTERMEDIATE HORIZONTAL
41088



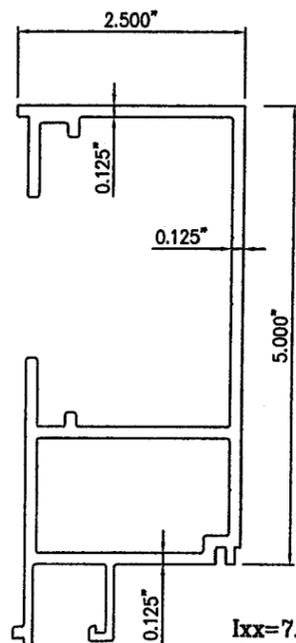
HEAD / SILL COVER
41086



GLASS CAPTURE
41084

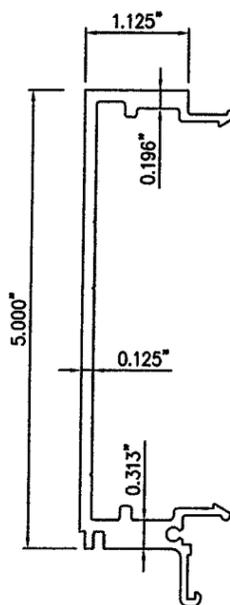


GLASS CAPTURE
41089

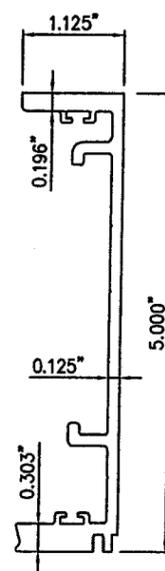


JAMB MEMBER
41087

Ixx=7.718
Sxx=2.609

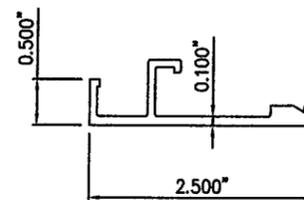


MULLION MEMBER
41126

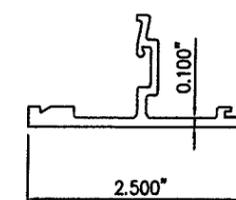


MULLION MEMBER
41127

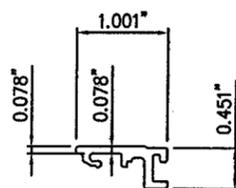
COMBINED
Ixx=9.087
Sxy=3.565



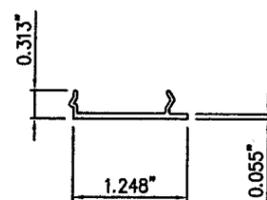
GLASS CAPTURE
41090



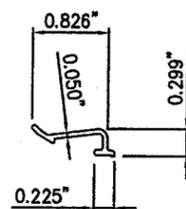
GLASS CAPTURE
41131



GLASS SUPPORT
41027



POCKET SNAP
41092



ANTI-BUCKLING CLIP
41011

EXTRUSIONS (6063-T6 ALLOY)

FOR MIAMI-DADE CO. B.C.C.O.

Approved as complying with the
Florida Building Code
Date JULY 29, 2009
NOA# 08-0915.06
Miami Dade Product Control
Division
By Manuel Perez



2770 Blue Water Road
Eagan, MN 55121-1400
Tel. 651-796-6100 • Fax 651-994-6380
Engineering Locations
Eagan, MN • Montreal, QC, CA • Moncton, NB, CA
St. Louis, MO • Manila, PH

REVISIONS	
1	4/9/2009 REV'S PER M.D.B.C.C.O.
2	5/20/2009 COMPLETE REDRAW
3	7/8/2009 FINAL REVISIONS

SEAL:

JUL 08 2009
Reviewed For Structural
Integrity Only

BROMLEY • COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD AVENUE SUITE 100
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4624 FAX: (954) 772-4634
CERT. OF AUTH. #00009124
WILLIAM D. COOK P.E.
FLA P.E. # 43904
FLA S.I. # 2008

Date 6/6/08	Scale
Drawing No. 5025-LM	
Drawing Title 5025 SERIES WINDOW WALL LARGE MISSILE IMPACT	
Sheet No. 9/9	