



MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building/home/asp

Oldcastle BuildingEnvelope™
803 Airport Road
Terrell, TX 75160

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 Section 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 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. BORA 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: Series "RW-5100 Ribbon" Aluminum Fixed Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. RW-5100SM, titled "Product Approval Drawings - RW-5100 Ribbon Window System – Small Missile Impact", sheets 1 through 7 of 7, dated 08/27/10, prepared by manufacturer, signed and sealed by William D. Cook, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

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 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 **revises** NOA # **08-1015.09** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 10-1102.05
Expiration Date: October 30, 2013
Approval Date: March 10, 2011
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **RW-5100SM**, Sheets 1 through 7 of 7, titled "Product Approval Drawings - RW-5100 Ribbon Window System – Small Missile Impact", dated 08/27/10, prepared by manufacturer, signed and sealed by William D. Cook, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Small Missile Impact Test per FBC, TAS 201-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of an aluminum ribbon window, prepared by Hurricane Test Laboratory, Inc., Test Report No.

HTL 0105-0815-02, dated 8/20/02, signed and sealed by Vinu Abraham, P.E.
(Submitted under previous NOA #03-0718.06)

2. 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

along with marked-up drawings and installation diagram of an aluminum ribbon window, prepared by Hurricane Test Laboratory, Inc., Test Report No.

HTL 0105-0619-02, dated 6/24/02, signed and sealed by Vinu Abraham, P.E.
(Submitted under previous NOA #03-0718.06)

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 10/10/08, 01/20/09 and 01/18/11, prepared, signed and sealed by William D. Cook, P.E.
2. Glazing complies with ASTM E1300-04.

D. QUALITY ASSURANCE

1. Miami-Dade Building and Neighborhood Compliance Department (BNC).


Manuel Perez, P.E.
Product Control Examiner
NOA No. 10-1102.05

Expiration Date: October 30, 2013
Approval Date: March 10, 2011

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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 05/04/06, expiring on 05/21/11.
2. Notice of Acceptance No. **07-1116.11** issued to **Saf-Glas, LLC** for their “**SAF-GLAS Polycarbonate Laminate**”, dated 12/27/07, expiring on 12/16/12.

F. STATEMENTS

1. Statement letter of conformance, dated January 18, 2011, signed and sealed by William D. Cook, P.E.
2. Statement letter of no financial interest, dated October 1, 2008, signed and sealed by William D. Cook, P.E.
3. Laboratory compliance letter for Test Reports No. **HTL-0105-0619-02** and **HTL-0105-0815-02**, issued by Hurricane Test Laboratory, Inc., dated March 21, 2003, signed and sealed by Vinu J. Abraham, P.E.

G. OTHER

1. Notice of Acceptance No. **08-1015.09**, issued to Vistawall Architectural Products for their Series “**RW-5100 Ribbon**” Aluminum Fixed Window System – S.M.I., approved on 02/18/09 and expiring on 10/30/13.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 10-1102:05

Expiration Date: October 30, 2013

Approval Date: March 10, 2011

RW-5100 RIBBON WINDOW SYSTEM

SMALL MISSILE IMPACT RESISTANT

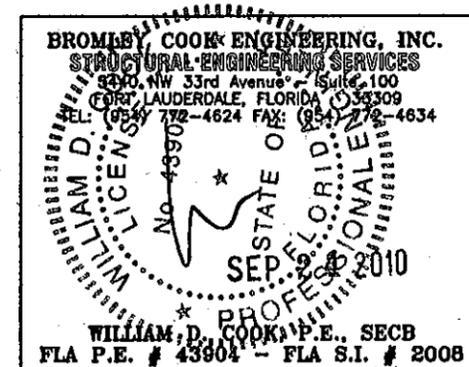
INDEX TO DRAWINGS

- SHEET 1: INDEX TO DRAWINGS AND NOTES
- SHEET 2: TYPICAL ELEVATION
- SHEET 3: BILL OF MATERIALS
- SHEET 4: TYPICAL HORIZONTAL GLAZING DETAILS
- SHEET 5: TYPICAL VERTICAL GLAZING DETAILS
- SHEET 6: MULL CAP INSTALLATION DETAILS
- SHEET 7: EXTRUSION PROFILES

WINDOW RATED FOR SMALL MISSILE IMPACT.
 -SHUTTERS REQUIRED FOR WINDOWS INSTALLED UP TO 30' ABOVE GRADE.
 -NO SHUTTERS REQUIRED FOR WINDOWS INSTALLED OVER 30' ABOVE GRADE.

GENERAL NOTES

- 1) THIS WINDOW SYSTEM HAS BEEN TESTED, ENGINEERED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN LOAD CHARTS. SYSTEM CONFORMS TO THE 2007 FBC, HVHZ REGION.
- 2) ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 3) BUCK, OPENINGS & BUCK FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS FOR EACH APPLICATION. BUCKS SHALL BE DESIGNED BY SPECIALTY ENGINEER OR ENGINEER OF RECORD.
- 4) BUCK FASTENERS MAY NOT EXCEED 16" O.C. SPACING AROUND OPENINGS.
- 5) THE SYSTEM SHOWN HEREIN WAS TESTED IN CONFORMANCE WITH DADE COUNTY PROTOCOLS TAS-201, 202, 203.
- 6) A 33% INCREASE IN ALLOWABLE STRESS NOT USED IN ANALYSIS.
- 7) ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED PER FBC 2003.2.4
- 8) NO IMPACT RESISTANT SHUTTERS ARE REQUIRED WITH THIS SYSTEM.
- 9) DESIGN PRESSURE RATING SEE TABLE 1, SHEET 2

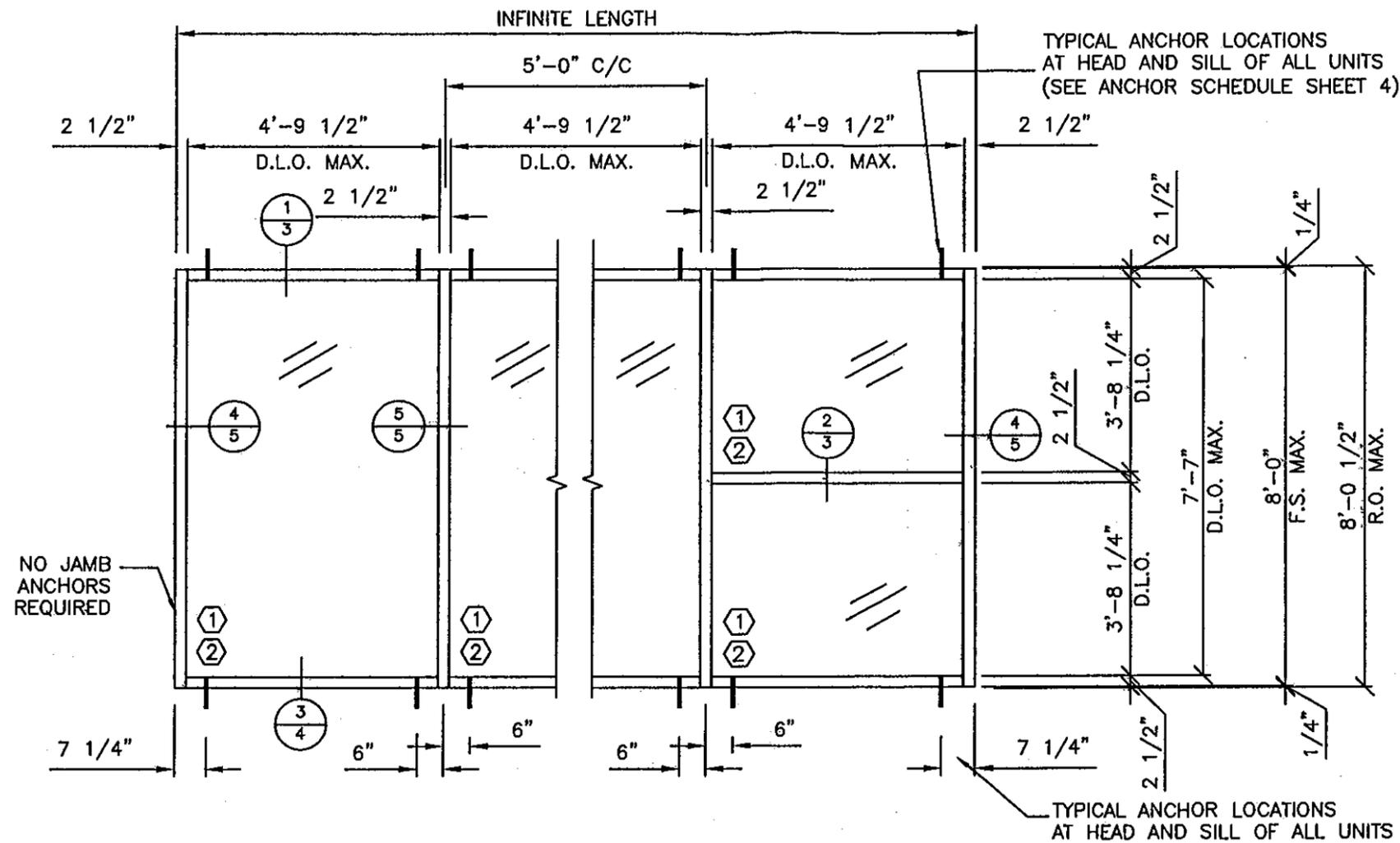


FOR MIAMI-DADE CO. B.C.C.O.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 10-1102.05
 Expiration Date Oct. 30, 2013
 By Manuel Perez
 Miami Dade Product Control

REV	BY	DATE	DESCRIPTION
MANUAL COMP			
			
803 AIRPORT RD. TERRELL TX 75160 (972) 551-6100			
PROJECT APPROVAL DRAWINGS RW-5100 RIBBON WINDOW SYSTEM SMALL MISSILE IMPACT			
PROJECT NO.			
DRAWN	DATE		
GRG	8/27/10		
SCALE			
NOTED			
DRAWING NO.			
RW-5100SM			
SHEET			
1 OF 7			

OLDCASTLE BUILDING ENVELOPE SERIES RW-5100 RIBBON WINDOW SYSTEM



EXTERIOR ELEVATION

DESIGN PRESSURE:	
+70 psf (15psf WATER)	POSITIVE
-80 psf	NEGATIVE

NOTE:
REFER TO SHEET 4 FOR GLAZING DETAILS

GLASS SCHEDULE (SMALL MISSILE IMPACT)		
MANUFACTURER	DESCRIPTION	GASKETS
① SECURITY IMPACT GLASS	INSULATED - LAMINATED GLASS: 1/4" TEMP., 1/2" AIRSPACE, 1/4" H.S. GLASS AT INNER AND OUTER FACES .070" POLYCARBONATE. .015" POLYURETHANE LAMINATE	FG-5126 INT FG-5158 EXT
② SOLUTIA SAFLEX PVB	INSULATED - LAMINATED GLASS: 1/4" TEMP., 1/2" AIRSPACE, 1/4" H.S. GLASS AT INNER AND OUTER FACES, .060" SAFLEX PVB	FG-5126 INT FG-5158 EXT

BROMLEY COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 NW 33rd Avenue, Suite 100
FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 772-4624 FAX: (954) 772-4634

WILLIAM D. COOK
No 43904
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2010
WILLIAM D. COOK, P.E., SECB
FLA P.E. # 43904 FLA S.I. # 2008

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

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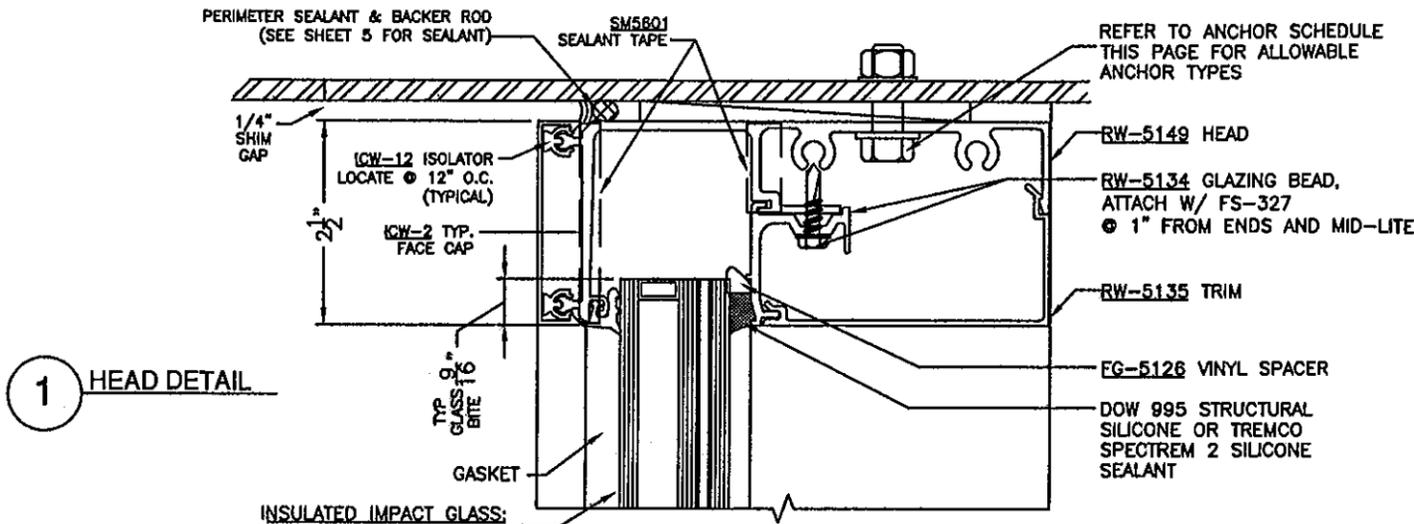
By *Manuel Perez*
Miami Dade Product Control

PROJECT	PRODUCT APPROVAL DRAWINGS RW-5100 RIBBON WINDOW SYSTEM SMALL MISSILE IMPACT
PROJECT NO.	
DRAWN	DATE
GRG	8/27/10
SCALE	NOTED
DRAWING NO.	RW-5100SM
SHEET	2 OF 7

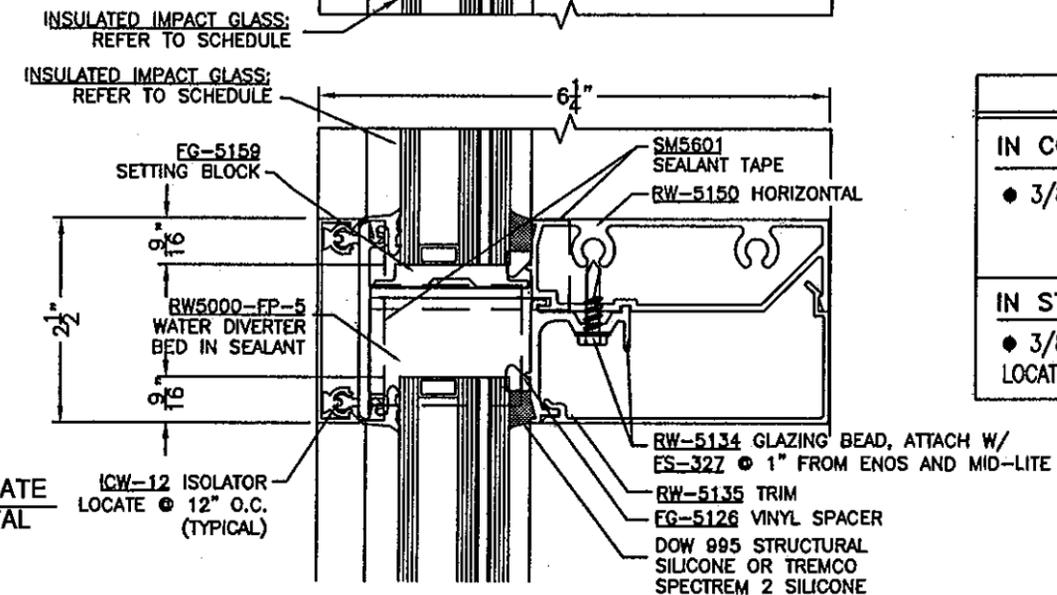
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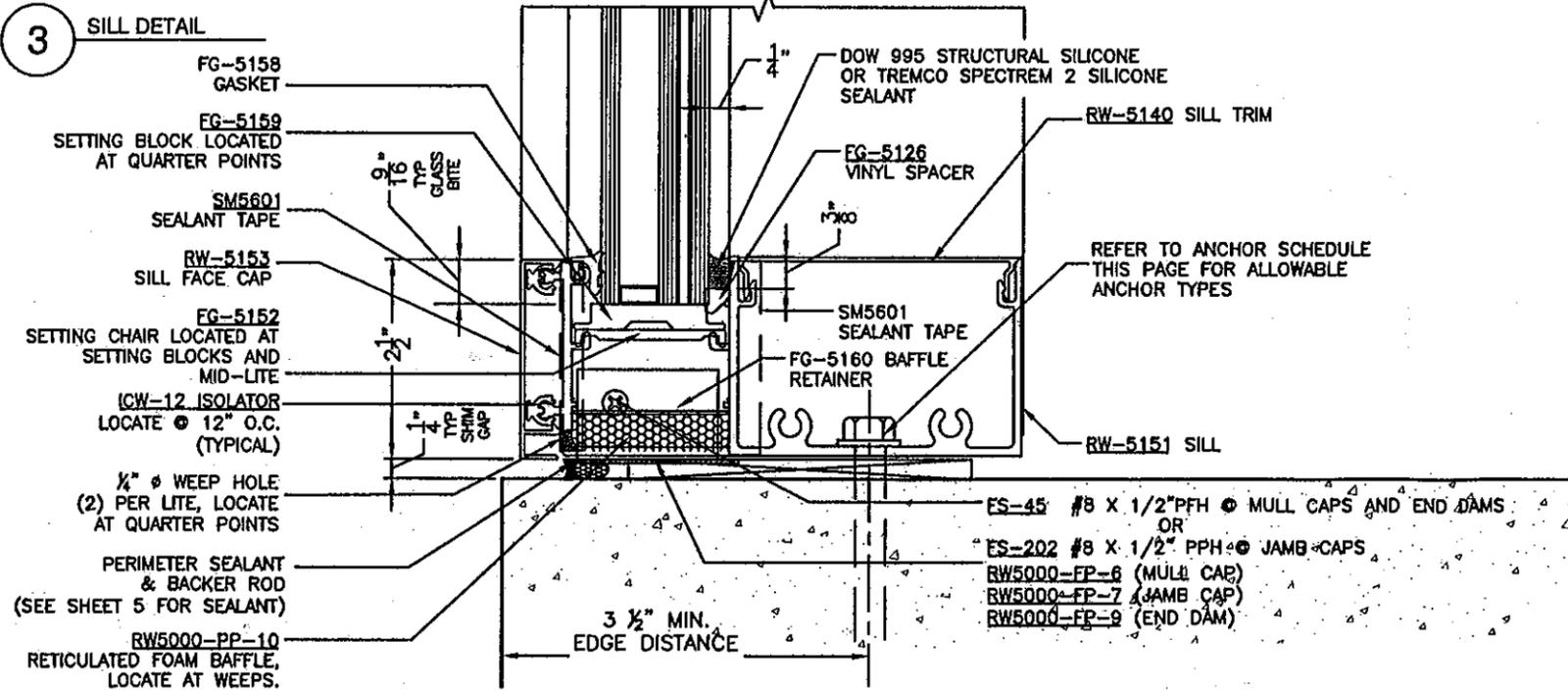
MANUAL COMP	REV BY	DATE	DESCRIPTION



1 HEAD DETAIL



2 INTERMEDIATE HORIZONTAL



3 SILL DETAIL

ANCHOR SCHEDULE	
IN CONCRETE (2000 psi):	
• 3/8"Ø POWERS WEDGE BOLT W/ 2-1/2" MIN. EMBED	
MIN EDGE DISTANCE = 3-1/2"	
MIN ANCHOR SPACING = 6"	
IN STEEL (1/8" THICK)	
• 3/8"Ø-16 GRADE-5 HEX HEAD BOLT	
LOCATE AT 6" OFF C OF MULLIONS & JAMB	

GLAZING DETAILS

SECURITY IMPACT GLASS	
GLASS TYPE	1 5/16" INSULATED/LAMINATED 1/4" TEMP. - 1/2" AIRSPACE - 1/4" H.S. GLASS + .070 POLYCARBONATE + .015 POLYURATHANE - 1/4" H.S. GLASS
SOLUTIA SAFLEX PVB	
GLASS TYPE	1 5/16" INSULATED/LAMINATED 1/4" TEMP. - 1/2" AIRSPACE - 1/4" H.S. GLASS + .060 SAFLEX PVB - 1/4" H.S. GLASS

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WILLIAM D. COOK, P.E., SEC B
FLA P.E. # 43904 - FLA S.I. # 2008

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

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Miami Dade Product Control

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SHEET	4 OF 7

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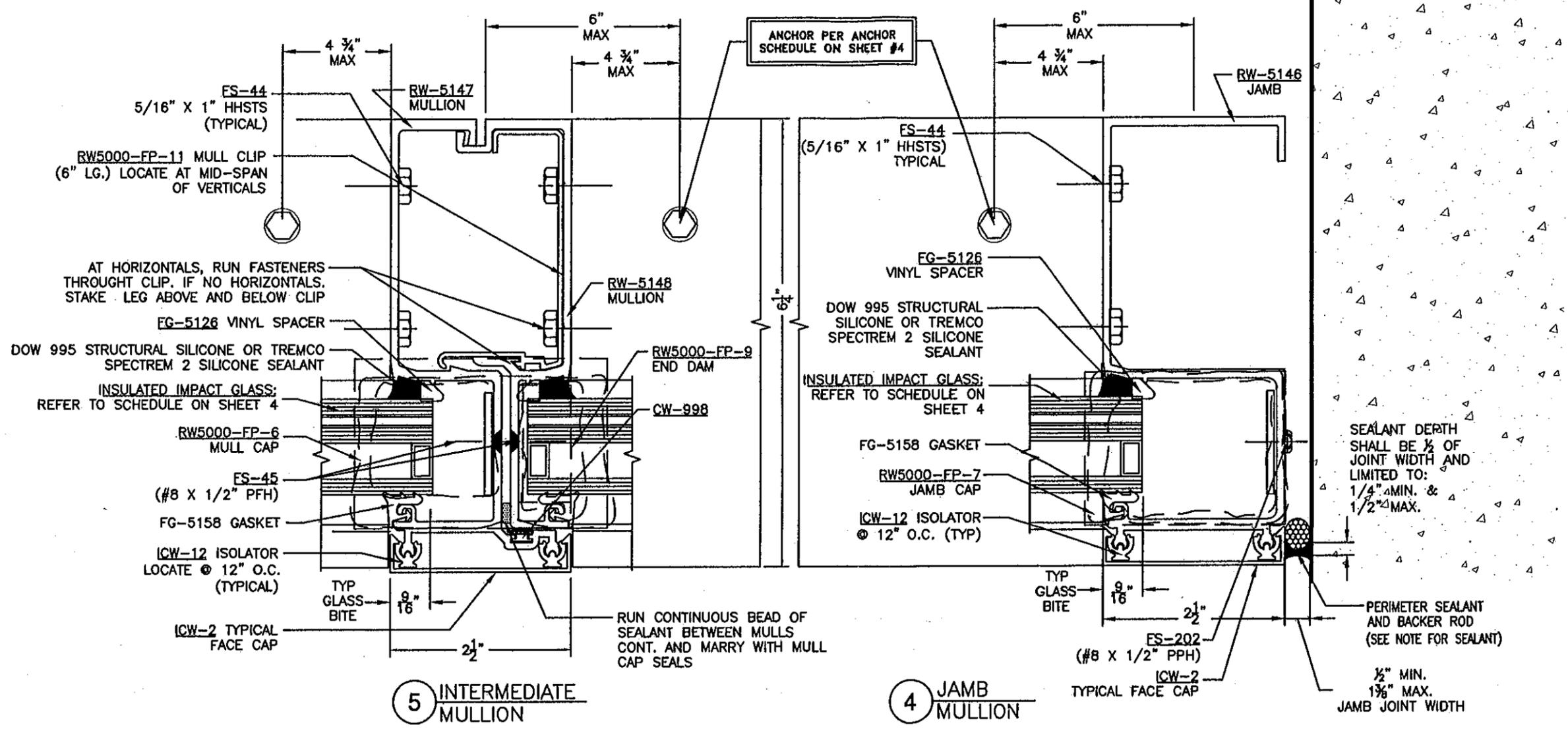
REV	BY	DATE	DESCRIPTION

MANUAL COMP

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PROJECT APPROVAL DRAWINGS
 RW-5100 RIBBON WINDOW SYSTEM
 SMALL MISSILE IMPACT

PROJECT NO.	
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SHEET	5 OF 7



SEE SHEET 6 FOR
 ADDITIONAL MULLION
 INSTALLATION INFORMATION

GLAZING NOTE:
 REFERENCE SHEET 4 FOR GLASS
 SCHEDULE AND GLAZING DETAILS.

JAMB SEALANT NOTES:
PERIMETER SEALANT OPTIONS:
 DOW 795 (SILICONE),
 TREMCO SPECTREM 2 & 3 (SILICONE)
 TREMCO DYMONIC FC (URETHANE)
 SONNEBORN SOLOLASTIC 150 (ELASTOMERIC)
**ALTERNATE SEALANTS & ALTERNATE JAMB
 GAPS:**
 TO BE APPROVED BY
 DESIGN PROFESSIONAL OF RECORD AND
 SEALANT MANUFACTURER.

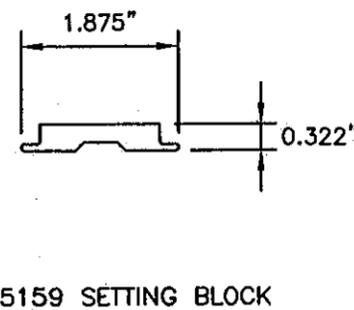
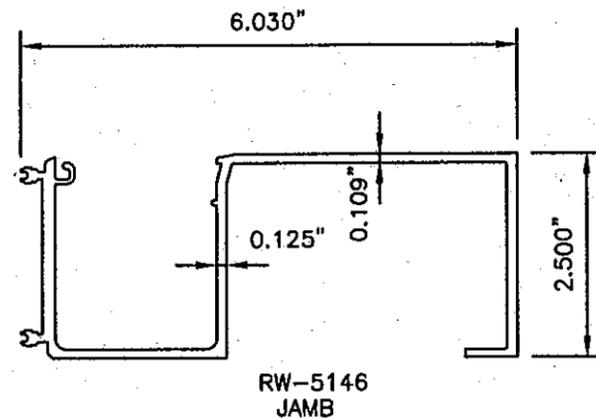
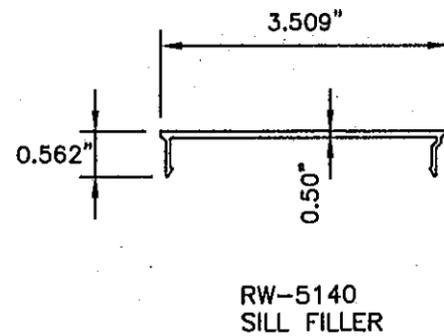
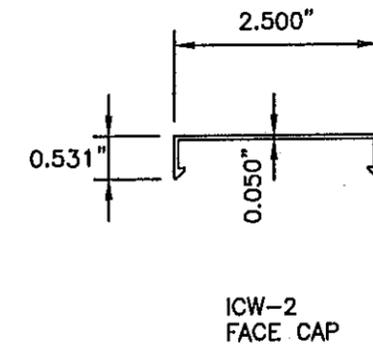
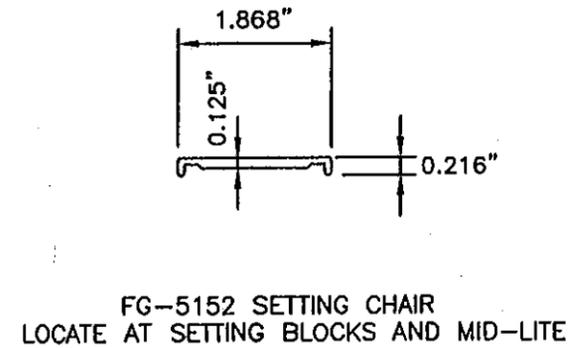
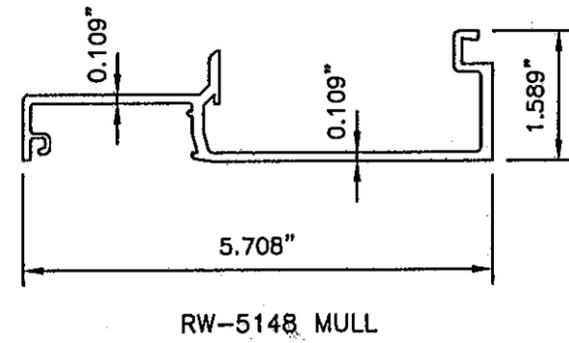
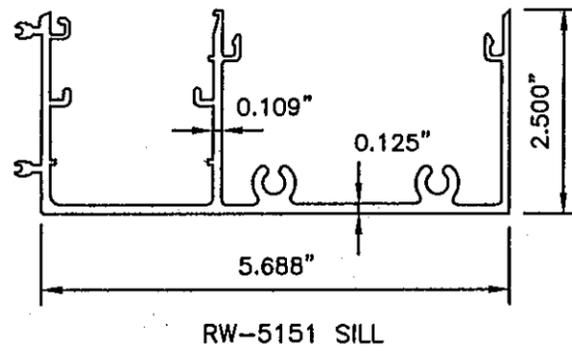
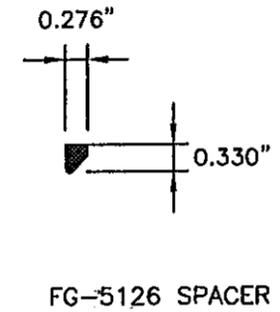
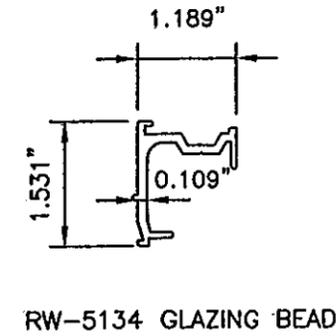
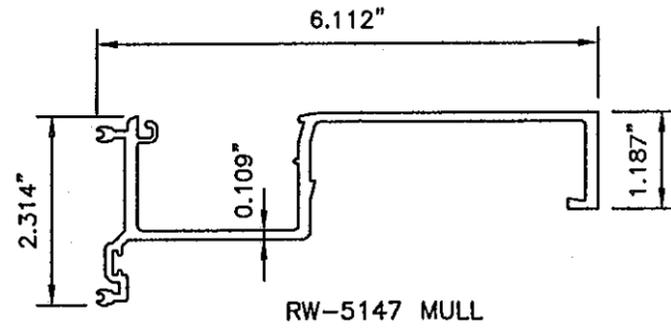
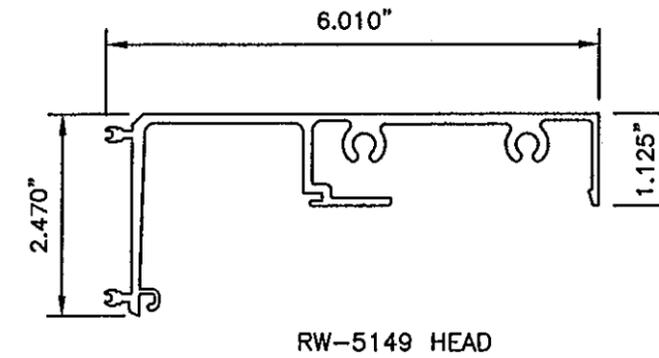
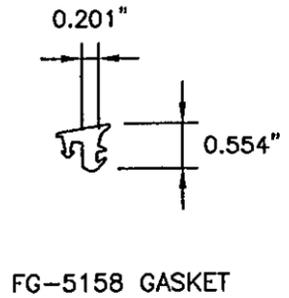
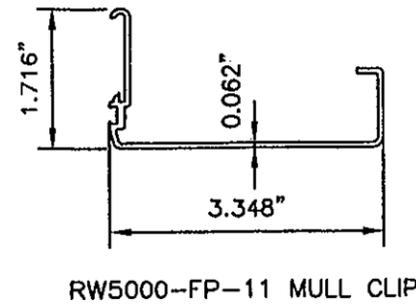
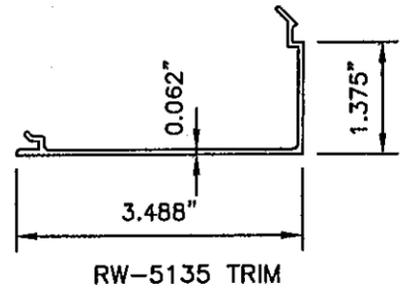
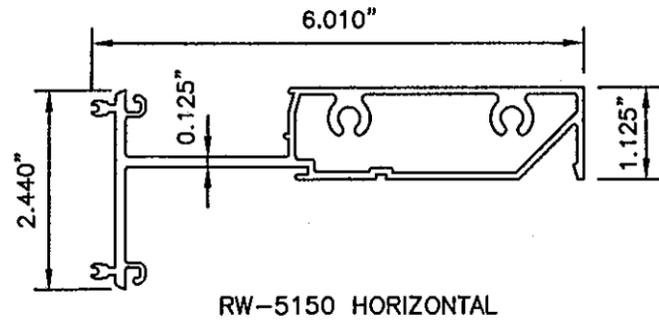
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FOR MIAMI-DADE CO. B.C.C.O.
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 By *Manuel*
 Miami Dade Product Control

SEALANT DEPTH
 SHALL BE 1/2 OF
 JOINT WIDTH AND
 LIMITED TO:
 1/4" MIN. &
 1/2" MAX.

PERIMETER SEALANT
 AND BACKER ROD
 (SEE NOTE FOR SEALANT)
 1/2" MIN.
 1 3/8" MAX.
 JAMB JOINT WIDTH

RW-5100 EXTRUSION PROFILES



BROMLEY COOK ENGINEERING, INC.
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TEL: (954) 772-6624 FAX: (954) 772-4634

No 43904

WILLIAM O. COOK, P.E., SECB
FLA P.E. # 43904 N.E.E.S.I. # 2008

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

PRODUCT REVISED
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By Maureen Perry
Miami Dade Product Control

REV	BY	DATE	DESCRIPTION

MANUAL COMP

Oldcastle
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803 AIRPORT RD. TERRELL TX 75160
(972) 551-6100

PRODUCT APPROVAL DRAWINGS
RW-5100 RIBBON WINDOW SYSTEM
SMALL MISSILE IMPACT

PROJECT NO.	DRAWN
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	7 OF 7