



**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)**

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**Smith Mountain Impact Systems by Pande Pane  
11520 SW 120 ST  
Miami, FL 33176**

**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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series "SMI-175" Aluminum Window Wall System**

**APPROVAL DOCUMENT:** Drawing No. **SMI175PAD1**, titled "SMI-175 Impact Window Wall System", sheets 1 through 4 of 4, dated 9/16/02, prepared by Bromley-Cook Engineering, Inc., signed and sealed by William 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**

**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 as well as approval document mentioned above.

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



**NOA No 02-0927.10  
Expiration Date: November 21, 2007  
Approval Date: November 21, 2002  
Page 1**

**Smith Mountain Impact Systems by Pande Pane**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **SMI175PAD1**, titled "SMI-175 Impact Window Wall System", sheets 1 through 4 of 4, dated 9/16/02, prepared by Bromley-Cook Engineering, Inc., signed and sealed by William 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) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of a aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 3465** dated 7/17/02, signed and sealed by James Worth, P.E.

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, prepared by Bromley-Cook Engineering, Inc., dated 11/24/02, signed and sealed by William Cook, P.E.

**D. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **99-0302.04** issued to UCB Chemicals Corporation for "Uvekol Liq. Resin to adhere to Glass" dated 2/8/01, expiring on 2/8/04.

**E. STATEMENTS**

1. Statement letter of no financial interest, dated 11/23/02, signed and sealed by William Cook, P.E.
2. Laboratory compliance letter for Test Report no. FTL 02051, issued by Fenestration Testing Laboratory, Inc., dated 8/8/02, signed and sealed by James Worth, P.E.

**F. OTHER**

1. Letter from Pistorino & Alam Consulting Engineers, Inc.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 02-0927.10  
Expiration Date: November 21, 2007  
Approval Date: November 21, 2002

**GLAZING LEGEND - LARGE MISSILE IMPACT**

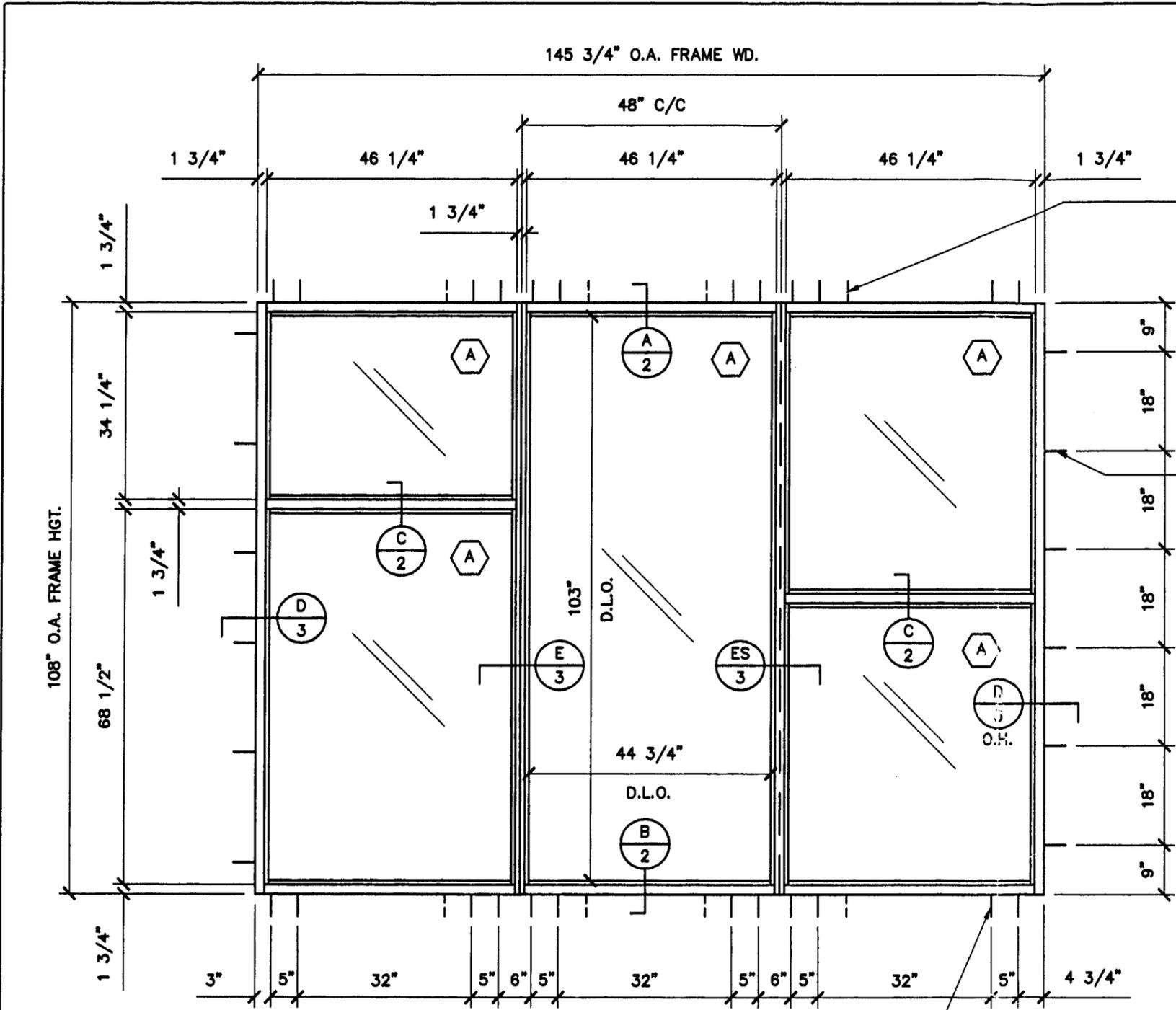
**A** = 9/16" UVEKOL RESIN LAMINATED  
 MAKE UP: 1/4" HEAT STRENGTHENED (O.B.)-  
 .120" UVEKOL POLYESTER RESIN  
 INTERLAYER.-  
 1/4" HEAT STRENGTHENED(I.B.)

**A** = GLASS TYPE  
**A/1** = DETAIL NO. & SHEET NO.

- NOTE:**
1. THIS GLAZING SYSTEM HAS BEEN TESTED, ENGINEERED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN BELOW.
  2. BUCK, OPENINGS & BUCK FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS FOR EACH APPLICATION
  3. BUCK FASTENERS MAY NOT EXCEED 16" O.C. SPACING AROUND OPENINGS.
  4. THE SYSTEM SHOWN HEREIN WAS TESTED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA-201, 202 & 203.

MIAMI-DADE COUNTY  
 CODE COMPLIANCE OFFICE  
 CERTIFICATION

Approved as complying with the  
 Florida Building Code  
 Date NOV. 21, 2002  
 NOA# 02-0927.10  
 Miami Dade Product Control  
 Division  
 By William D. Cook



INDICATES ADDITIONAL ANCHORS  
 REQUIRED FOR INSTALLATIONS INTO  
 WOOD ONLY.

INDICATES FRAME ANCHORS  
 AS INDICATED ON DETAILS.  
 TYPICAL LOCATIONS FOR JAMBS.

INDICATES FRAME ANCHORS  
 AS INDICATED ON DETAILS.  
 TYPICAL LOCATIONS FOR HEAD & SILL.

**A-2** TYPICAL FRAME ELEVATION

MAX. DESIGN PRESSURE = +75.0, -75.0 P.S.F. (REINFORCED)  
 MAX. DESIGN PRESSURE = +62.0, -62.0 P.S.F. (UN-REINFORCED)

drawing no.  
 SM175PAD1

sheet 1 of 4

date: 9-16-02

scale: 1" = 24"

dr. by:

chk. by:

revisions:			
no	date	by	description

**SMITH MOUNTAIN IMPACT SYSTEMS**  
 11520 S.W. 120th. STREET  
 MIAMI, FL. 33176  
 (305) 278-2878

**SMI-175 IMPACT WINDOW WALL SYSTEM**

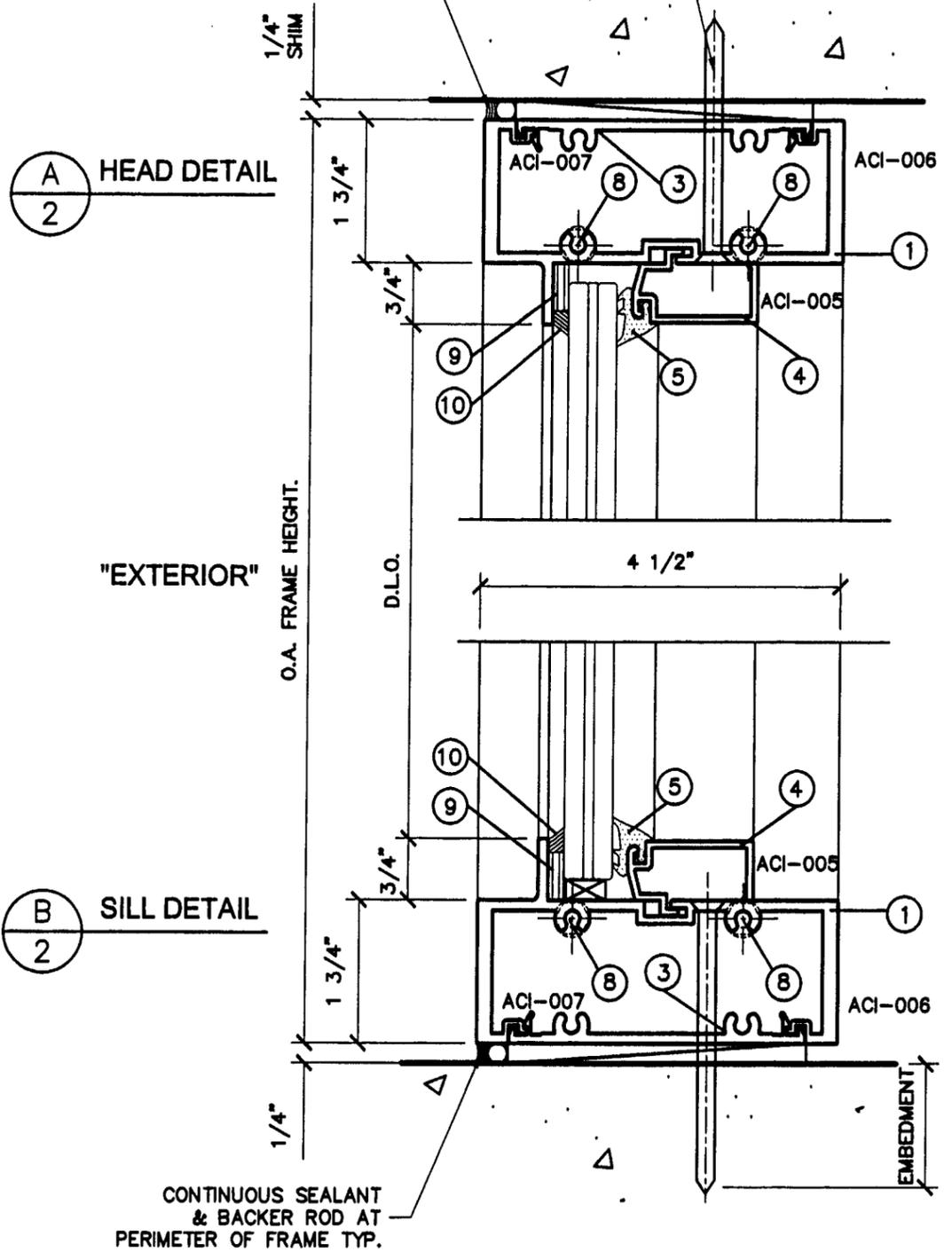
**BROMLEY - COOK ENGINEERING, INC.**  
 STRUCTURAL ENGINEERING SERVICES

SEP 24 2002

WILLIAM D. COOK P.E.  
 FLA P.E. # 43904

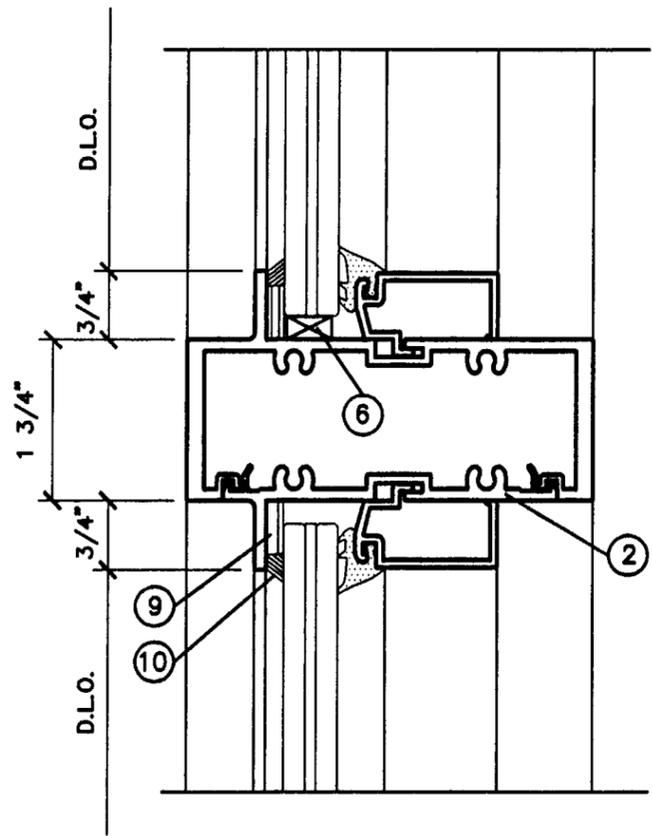
CONTINUOUS SEALANT & BACKER ROD AT PERIMETER OF FRAME TYP.

SUBSTRATE & ANCHORS AS PER ANCHOR SCHEDULE



ANCHOR SCHEDULE				
ANCHOR TYPE	SUBSTRATE	NO. OF ANCHORS REQ'D EA. SIDE OF MULLION & JAMB ENDS		MAXIMUM ALLOWABLE ANCHOR SPACING
		HEAD	SILL	
1/4" TAPCONS (EMBED 1 1/2" MIN.)	CONCRETE (2000 PSI MIN.) CBS (GROUT FILLED)	2	2	9" FROM ENDS; BALANCE @ 18" C/C
# 14 S.M.S.	METAL STRUCTURES STEEL OR ALUMINUM	2	2	9" FROM ENDS; BALANCE @ 18" C/C
# 14 WOOD SCREWS (EMBED 1 3/4" MIN.)	NO. 2 SYP. WOOD SUBSTRATE	3	3	9" FROM ENDS; BALANCE @ 18" C/C

C HORIZONTAL



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Division  
By *[Signature]*

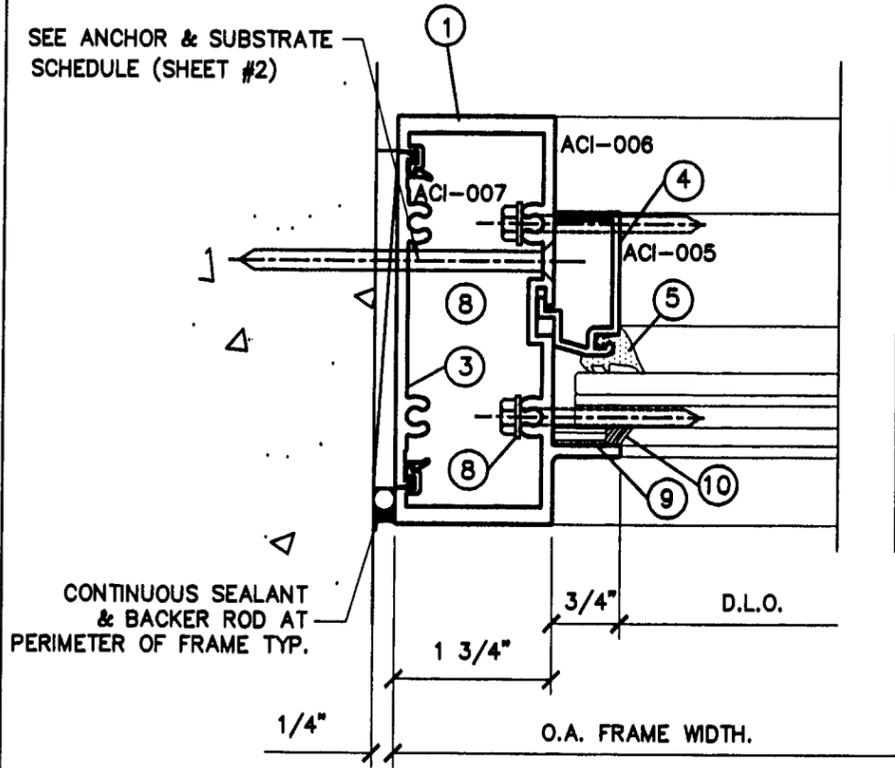
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sheet 2 of 4	scale: 1" = 2"	no	date by description
dr. by:	chk. by:		

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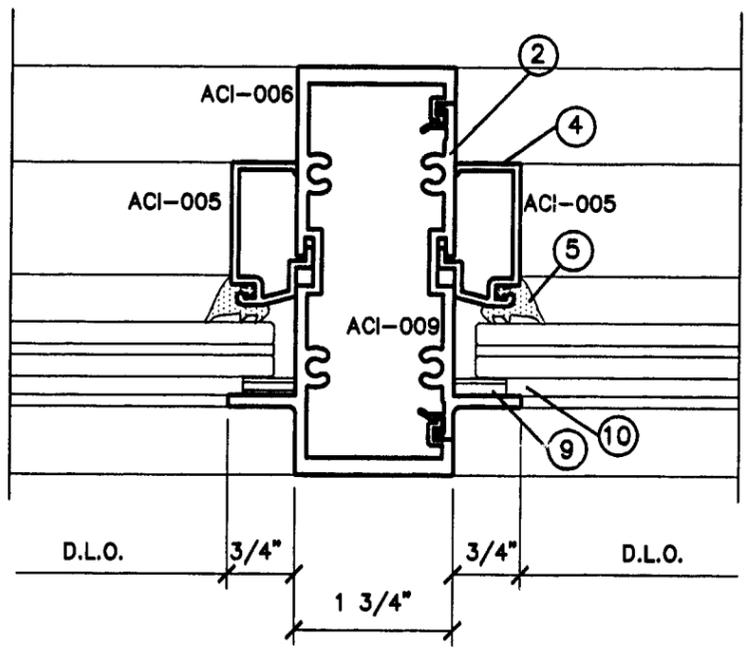
**SMI-175 IMPACT WINDOW WALL SYSTEM**

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FLA P.E. # 43904

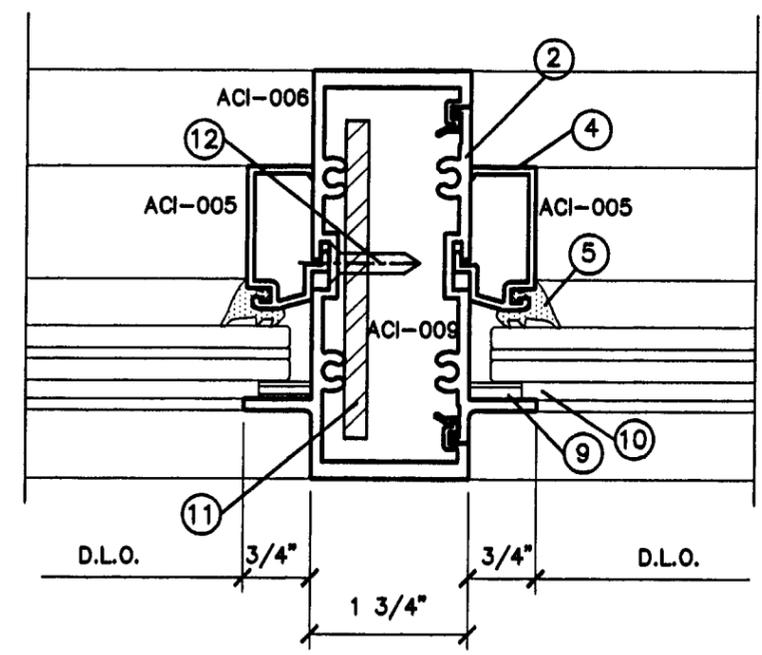
MATERIALS LIST					
ITEM #	PART #	QTY.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ACI-006	AS REQD.	FRAME HEAD/SILL/JAMB	6063-T6	SMITH MOUNTAIN
2	ACI-009	AS REQD.	INTERMEDIATE SNAP-IN	6063-T6	SMITH MOUNTAIN
3	ACI-007	AS REQD.	FLAT FILLER	6063-T6	SMITH MOUNTAIN
4	ACI-005	1/ CORNER	GLASS STOP	6063-T5	-
5	H-63	AS REQD.	GLAZING GASKET	EPDM 70 ±5	UNIVERSAL RUBBER CO.
6	G-40A	AS REQD.	SETTING BLOCK	EPDM 70 ±5	UNIVERSAL RUBBER CO.
7	#14 X 3"	SEE ELEV.	F.H. WOOD SCREWS	-	-
8	#12 X 2"	2 PER CORNER	HEX SCREW	-	-
9	1/4" X 1/2" V2100	-	ADHESIVE FOAM TAPE	-	NORTON
10	995 SILICONE	-	SILICONE	-	DOW CORNING
11	STEEL REINF.	-	1/4" x 3 1/2" FLAT STEEL	ASTM A-36	-
12	#10 X 1"	@12" C/C	F.H.S.M.S.	-	-



**D**  
3 JAMB DETAIL



**E**  
3 VERTICAL MULLION  
● +62/ -62 PSF



**ES**  
3 VERTICAL MULLION  
● +75/ -75 PSF

MIAMI-DADE COUNTY  
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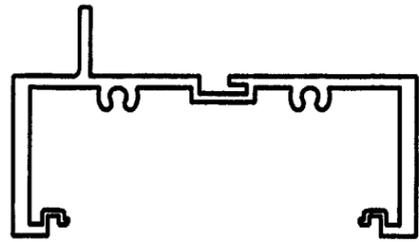
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NOA# 02-0027-10  
Miami Dade Product Control  
Division  
By Manuel Berg

drawing no. SMI175PAD2	date: 9-16-02	revisions:	
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dr. by:		by	description
sheet 3 of 4			
chk. by:			

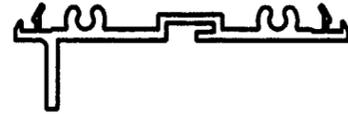
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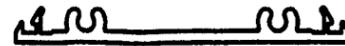
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SEP 24 2002  
WILLIAM D. COOK P.E.  
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FRAME HEAD/SILL/JAMB - ACI-006



FRAME INTERMEDIATE SNAP-IN - ACI-009



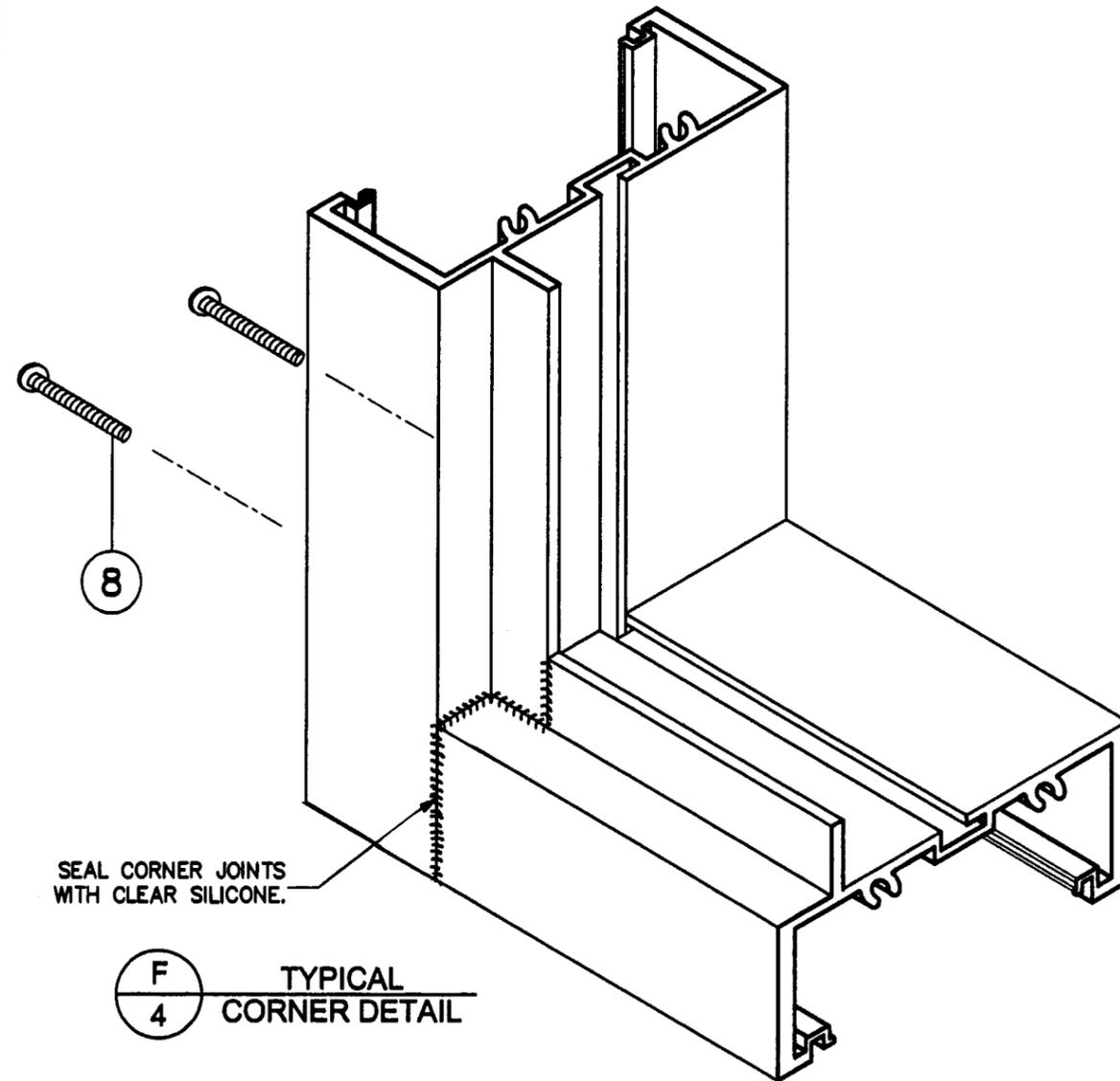
FLAT FILLER - ACI-007



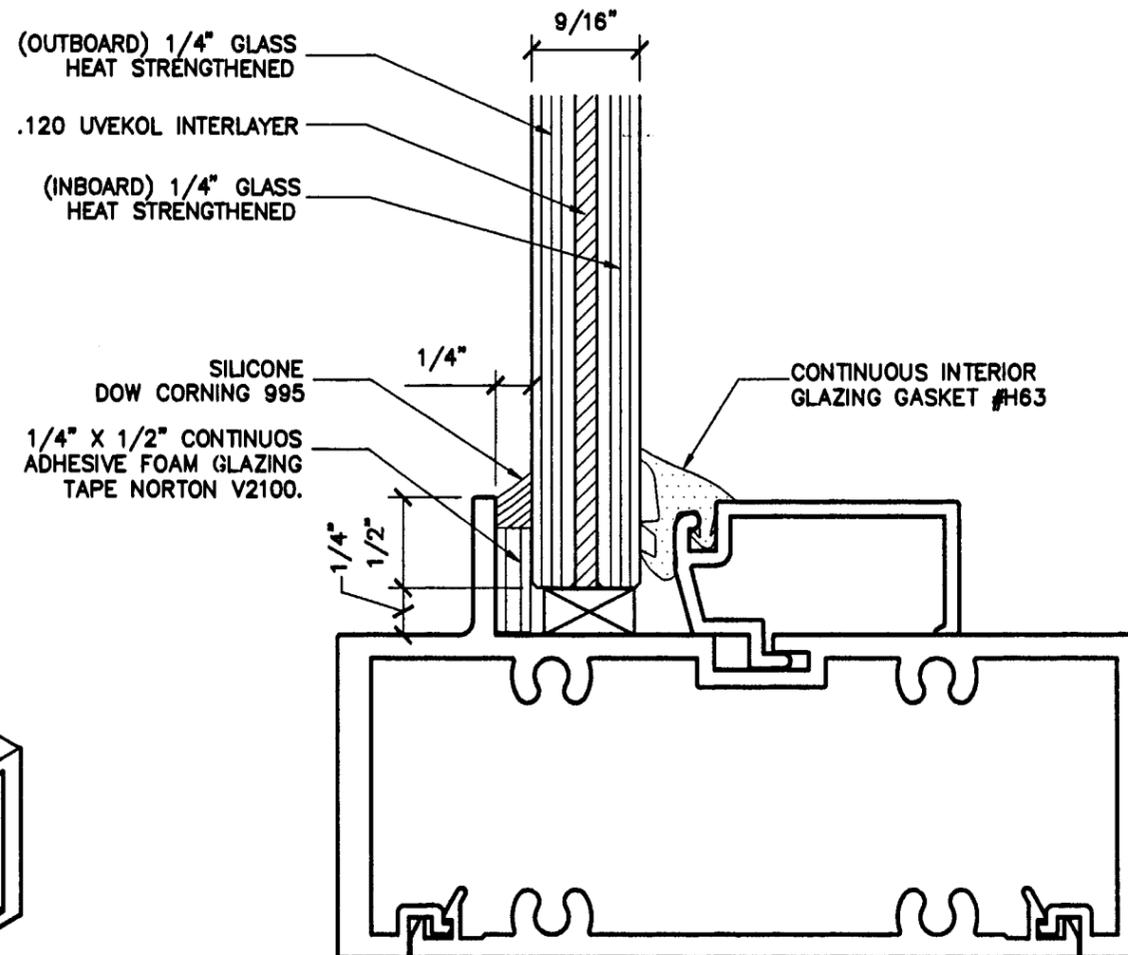
GLAZING STOP - ACI-005



WEDGE-IN GASKET - H-63



F  
4 TYPICAL CORNER DETAIL



G  
4 TYPICAL GLAZING DETAIL

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